

## **DATA PACKAGE**

GENERAL CHEMISTRY  
METALS  
SEMI-VOLATILE ORGANICS  
VOLATILE ORGANICS

**PROJECT NAME : FORMER SCHLUMBERGER STC PTC SITE D3868221**

**JACOBS ENGINEERING GROUP, INC.**

**412 Mt. Kemble Ave**

**Downtown Building**

**Morristown, NJ - 07960**

**Phone No: 9732670555**

**ORDER ID : Q2869**

**ATTENTION : John Ynfante**



**Laboratory Certification ID # 20012**



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## DATA OF KNOWN QUALITY CONFORMANCE/NON-CONFORMANCE SUMMARY QUESTIONNAIRE

Laboratory Name : Alliance Technical Group LLC Client : JACOBS Engineering Group, Inc.  
 Project Location : Princeton Junction Project Number : D3868221  
 Laboratory Sample ID(s) : Q2869 Sampling Date(s) : 8/13/2025  
 List DKQP Methods Used (e.g., 8260,8270, et Cetra) ,6020B,7470A,8260D,8270-Modified,9056A,SFAM\_VOCSIM,SM2320 B,SM2540 C

|    |                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                             |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1  | For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the NJDEP Data of Known Quality performance standards? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                                                                                                         |
| 1A | Were the method specified handling, preservation, and holding time requirements met?                                                                                                                                                                                                                | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                                                                                                         |
| 1B | EPH Method: Was the EPH method conducted without significant modifications (see Section 11.3 of respective DKQ methods)                                                                                                                                                                             | <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A                                                                            |
| 2  | Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?                                                                                                                                                           | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                                                                                                         |
| 3  | Were samples received at an appropriate temperature (4±2° C)?                                                                                                                                                                                                                                       | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A                                                                            |
| 4  | Were all QA/QC performance criteria specified in the NJDEP DKQP standards achieved?                                                                                                                                                                                                                 | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No                                                                                                         |
| 5  | a)Were reporting limits specified or referenced on the chain-of-custody or communicated to the laboratory prior to sample receipt?<br><br>b)Were these reporting limits met?                                                                                                                        | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No<br><br><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A |
| 6  | For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the DKQP documents and/or site-specific QAPP?                                                                      | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                                                                                                         |
| 7  | Are project-specific matrix spikes and/or laboratory duplicates included in this data set?                                                                                                                                                                                                          | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No                                                                                                         |

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information should be provided in an attached narrative. If the answer to question #1, #1A, or #1B is "No", the data package does not meet the requirements for "Data of Known Quality."

## Cover Page

**Order ID :** Q2869

**Project ID :** Former Schlumberger STC PTC Site D3868221

**Client :** JACOBS Engineering Group, Inc.

### Lab Sample Number

Q2869-01  
Q2869-02  
Q2869-03  
Q2869-04  
Q2869-05  
Q2869-06  
Q2869-07  
Q2869-08  
Q2869-09  
Q2869-10  
Q2869-11

### Client Sample Number

MW-19B-71.5-081325  
MW-19B-71.5-081325  
MW-01-6.5-081325  
MW-11A-13.5-081325  
MW-19B-71.5-081325-FD  
MW-19B-71.5-081325-FD  
EB01-081325  
EB01-081325  
MW-19B-71.5-081325-SIM  
EB02-081325  
TB01-081325

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 : \_\_\_\_\_

Date: 8/26/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012



## **CASE NARRATIVE**

**JACOBS Engineering Group, Inc.**

**Project Name: Former Schlumberger STC PTC Site D3868221**

**Project # N/A**

**Order ID # Q2869**

**Test Name: VOCMS Group3**

### **A. Number of Samples and Date of Receipt:**

7 Water samples were received on 08/13/2025.

### **B. Parameters**

According to the Chain of Custody document, the following analyses were requested: VOCMS Group3. This data package contains results for VOCMS Group3.

### **C. Analytical Techniques:**

The analysis performed on instrument MSVOA\_X were done using GC column DB-624UI 20m 0.18mm 1.0 um . Cat#121-1324UI. The analysis of VOCMS Group3 was based on method 8260D.

### **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.

The Retention Times were met for all analysis.

The RPD were met for all analysis.

The Blank Spike met requirements for all compounds.

The Blank Spike Duplicate 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.

Samples MW-19B-71.5-081325, MW-11A-13.5-081325, MW-19B-71.5-081325-FD, All these samples were run at straight dilution after checking past history of these samples containing high amounts of compounds cis-1,2-Dichloroethene and Trichloroethene.

Sample MW-11A-13.5-081325 was diluted due to high concentration.

**E. Additional Comments:**

The SIM analysis is not required for the sample MW-19B-71.5-081325-SIM as all the SIM target analytes are detected at or above the sample adjusted CRQLs in the full scan analysis, a SIM analysis is not to be performed for that sample."

Samples for MS/MSD for VOC analysis were not provided with this set of samples. The Blank Spike Duplicate is reported with the data.

Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <20% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 20% for the Initial Calibration curve for SW-846 analysis.

**F. Manual Integration Comments:**

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

---

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Signature \_\_\_\_\_

## **CASE NARRATIVE**

**JACOBS Engineering Group, Inc.**

**Project Name: Former Schlumberger STC PTC Site D3868221**

**Project # N/A**

**Order ID # Q2869**

**Test Name: SVOC-SIMGroup1**

### **A. Number of Samples and Date of Receipt:**

11 Water samples were received on 08/13/2025.

### **B. Parameters**

According to the Chain of Custody document, the following analyses were requested: SVOC-SIMGroup1. This data package contains results for SVOC-SIMGroup1.

### **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-GGAThe analysis of SVOC-SIMGroup1 was based on method 8270-Modified 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.

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 MW-19B-71.5-081325 was diluted due to high concentration.

### **E. Additional Comments:**

The Form 6 is not included in the data package because the Initial Calibration was performed using 7 points.

The soil samples results are based on a dry weight basis.

Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <20% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount



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for all compounds using Linear Regression when the %RSD value for a compound is > 20% for the Initial Calibration curve for SW-846 analysis.

**F. Manual Integration Comments:**

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

---

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Signature\_\_\_\_\_

## **CASE NARRATIVE**

**JACOBS Engineering Group, Inc.**

**Project Name: Former Schlumberger STC PTC Site D3868221**

**Project # N/A**

**Order ID # Q2869**

**Test Name: Dissolved ICP-Group2,Mercury,Metals ICP-TAL**

### **A. Number of Samples and Date of Receipt:**

11 Water samples were received on 08/13/2025.

### **B. Parameters:**

According to the Chain of Custody document, the following analyses were requested: Alkalinity, Anions Group1, Dissolved ICP-Group2, Dissolved Metals Group3, Mercury, Metals ICP-TAL, METALS-TAL, SVOC-SIMGroup1, TDS, VOC-SIM and VOCMS Group3. This data package contains results for Dissolved ICP-Group2,Mercury,Metals ICP-TAL.

### **C. Analytical Techniques:**

The analysis of Dissolved ICP-Group2,Metals ICP-TAL was based on method 6020B, digestion based on method 3010 (waters). The analysis and digestion of Mercury was based on method 7470A.

### **D. QA/ QC Samples:**

The Holding Times were met for all analysis.

The Blank Spike met requirements for all compounds.

The Duplicate analysis met criteria for all compounds.

The Matrix Spike (MW-17B-55.5-08122025MS) analysis met criteria for all compounds except for Silver due to Chemical Interference during Digestion Process.

The Matrix Spike Duplicate (MW-17B-55.5-08122025MSD) analysis met criteria for all compounds except for Silver due to Chemical Interference during Digestion Process.

The Blank analysis did not indicate the presence of lab contamination.

The Calibration met the requirements.

The Serial Dilution met the acceptable requirements.

### **E. Additional Comments:**

The Post Digest Spike (MW-17B-55.5-08122025A) analysis met criteria for all compounds except for Silver due to unknown chemical interference of matrix with the addition of spike amount after digestion and before analysis; matrix has suppression effect during addition of spike.



Collision cell is being used to remove potential interferences. The analytes Na, Mg, Al, K, V, Cr, Mn, Fe, Co, Ni, Cu, Zn, As are being analyzed with collision cell and analytes Be, B, Ca, Ti, Se, Sr, Zr, Mo, Ag, Cd, Sn, Sb, Ba, Tl, Pb, U are being analyzed with Non-Collision Cell. Helium gas is used for the Collision Cell analysis.

Sample Q2869-01, Q2869-05, Q2869-07 were analyzed as Total Metal and Sample Q2869-02, Q2869-06, Q2869-08 were analyzed as Dissolved Metal.

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## **CASE NARRATIVE**

**JACOBS Engineering Group, Inc.**

**Project Name: Former Schlumberger STC PTC Site D3868221**

**Project # N/A**

**Order ID # Q2869**

**Test Name: Alkalinity,Anions Group1,TDS**

### **A. Number of Samples and Date of Receipt:**

3 Water samples were received on 08/13/2025.

### **B. Parameters:**

According to the Chain of Custody document, the following analyses were requested: Alkalinity,Anions Group1,TDS. This data package contains results for Alkalinity,Anions Group1,TDS.

### **C. Analytical Techniques:**

The analysis of Anions Group1 was based on method 9056A, The analysis of Alkalinity was based on method SM2320 B and The analysis of TDS was based on method SM2540 C.

### **D. QA/ QC Samples:**

The Holding Times were met for all analysis.

Sample MW-19B-71.5-081325 was diluted due to high concentrations for Chloride,Sulfate & Sample MW-19B-71.5-081325-FD was diluted due to high concentrations for Chloride,Sulfate.

The Blank Spike met requirements for all compounds.

The Duplicate analysis met criteria for all compounds.

The Matrix Spike analysis met criteria for all compounds.

The Matrix Spike Duplicate analysis met criteria for all compounds.

The Blank analysis did not indicate the presence of lab contamination.

The Calibration met the requirements.

### **E. Additional Comments:**

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Signature\_\_\_\_\_

## DATA REPORTING QUALIFIERS- INORGANIC

For reporting results, the following “ Results Qualifiers” are used:

|           |                                                                                                                                                                                                                                                                                                                                                                               |
|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>J</b>  | Indicates the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL), but greater than or equal to the Instrument Detection Limit (IDL).                                                                                                                                                                                  |
| <b>U</b>  | Indicates the analyte was analyzed for, but not detected.                                                                                                                                                                                                                                                                                                                     |
| <b>ND</b> | Indicates the analyte was analyzed for, but not detected                                                                                                                                                                                                                                                                                                                      |
| <b>E</b>  | Indicates the reported value is estimated because of the presence of interference                                                                                                                                                                                                                                                                                             |
| <b>M</b>  | Indicates Duplicate injection precision not met.                                                                                                                                                                                                                                                                                                                              |
| <b>N</b>  | Indicates the spiked sample recovery is not within control limits.                                                                                                                                                                                                                                                                                                            |
| <b>S</b>  | Indicates the reported value was determined by the Method of Standard Addition (MSA).                                                                                                                                                                                                                                                                                         |
| <b>*</b>  | Indicates that the duplicate analysis is not within control limits.                                                                                                                                                                                                                                                                                                           |
| <b>+</b>  | Indicates the correlation coefficient for the MSA is less than 0.995.                                                                                                                                                                                                                                                                                                         |
| <b>D</b>  | Indicates the reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.                                                                                                                                                                                                                                       |
| <b>M</b>  | Method qualifiers<br>“P” for ICP instrument<br>“PM” for ICP when Microwave Digestion is used<br>“CV” for Manual Cold Vapor AA<br>“AV” for automated Cold Vapor AA<br>“CA” for MIDI-Distillation Spectrophotometric<br>“AS” for Semi -Automated Spectrophotometric<br>“C” for Manual Spectrophotometric<br>“T” for Titrimetric<br>“NR” for analyte not required to be analyzed |
| <b>OR</b> | Indicates the analyte’s concentration exceeds the calibrated range of the instrument for that specific analysis.                                                                                                                                                                                                                                                              |
| <b>Q</b>  | Indicates the LCS did not meet the control limits requirements                                                                                                                                                                                                                                                                                                                |
| <b>H</b>  | Sample Analysis Out Of Hold Time                                                                                                                                                                                                                                                                                                                                              |



## DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following “Results Qualifiers” are used:

|           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Value     | If the result is a value greater than or equal to the detection limit, report the value                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>U</b>  | Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. “10 U”. This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.                                                                                                                                                                                                                                                                                      |
| <b>ND</b> | Indicates the analyte was analyzed for, but not detected                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>J</b>  | Indicates an estimated value. This flag is used: <ul style="list-style-type: none"> <li>(1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.)</li> <li>(2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.</li> </ul> |
| <b>B</b>  | Indicates the analyte was found in the blank as well as the sample report as “12 B”.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>E</b>  | Indicates the analyte ‘s concentration exceeds the calibrated range of the instrument for that specific analysis.                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>D</b>  | This flag identifies all compounds identified in an analysis at a secondary dilution factor.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>P</b>  | This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a “P”.                                                                                                                                                                                                                                                                                                                                                                             |
| <b>N</b>  | This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.                                                                                                                                                                                                                                                                       |
| <b>A</b>  | This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Q</b>  | Indicates the LCS did not meet the control limits requirements                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

## APPENDIX A

### QA REVIEW GENERAL DOCUMENTATION

Project #: Q2869

Completed

For thorough review, the report must have the following:

#### GENERAL:

Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)

✓

Check chain-of-custody for proper relinquish/return of samples

✓

Is the chain of custody signed and complete

✓

Check internal chain-of-custody for proper relinquish/return of samples /sample extracts

✓

Collect information for each project id from server. Were all requirements followed

✓

#### COVER PAGE:

Do numbers of samples correspond to the number of samples in the Chain of Custody on login page

✓

Do lab numbers and client Ids on cover page agree with the Chain of Custody

✓

#### CHAIN OF CUSTODY:

Do requested analyses on Chain of Custody agree with form I results

✓

Do requested analyses on Chain of Custody agree with the log-in page

✓

Were the correct method log-in for analysis according to the Analytical Request and Chain of Castody

✓

Were the samples received within hold time

✓

Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle

✓

#### ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

QA Review Signature: MAYUR DESAI

Date: 08/26/2025

### Hit Summary Sheet SW-846

SDG No.: Q2869  
Client: JACOBS Engineering Group, Inc.

| Sample ID         | Client ID                    | Matrix | Parameter                   | Concentration | C  | MDL   | RDL  | Units |
|-------------------|------------------------------|--------|-----------------------------|---------------|----|-------|------|-------|
| <b>Client ID:</b> | <b>MW-19B-71.5-081325</b>    |        |                             |               |    |       |      |       |
| Q2869-01          | MW-19B-71.5-0813             | Water  | cis-1,2-Dichloroethene      | 4900          |    | 19.0  | 100  | ug/L  |
| Q2869-01          | MW-19B-71.5-0813             | Water  | Trichloroethene             | 5400          |    | 9.30  | 100  | ug/L  |
| Q2869-01          | MW-19B-71.5-0813             | Water  | Tetrachloroethene           | 240           |    | 23.0  | 100  | ug/L  |
|                   |                              |        | <b>Total Voc :</b>          | 10500         |    |       |      |       |
|                   |                              |        | <b>Total Concentration:</b> | 10500         |    |       |      |       |
| <b>Client ID:</b> | <b>MW-01-6.5-081325</b>      |        |                             |               |    |       |      |       |
| Q2869-03          | MW-01-6.5-081325             | Water  | cis-1,2-Dichloroethene      | 14.2          |    | 0.19  | 1.00 | ug/L  |
| Q2869-03          | MW-01-6.5-081325             | Water  | Trichloroethene             | 41.5          |    | 0.090 | 1.00 | ug/L  |
| Q2869-03          | MW-01-6.5-081325             | Water  | Tetrachloroethene           | 0.31          | J  | 0.23  | 1.00 | ug/L  |
|                   |                              |        | <b>Total Voc :</b>          | 56.0          |    |       |      |       |
|                   |                              |        | <b>Total Concentration:</b> | 56.0          |    |       |      |       |
| <b>Client ID:</b> | <b>MW-11A-13.5-081325</b>    |        |                             |               |    |       |      |       |
| Q2869-04          | MW-11A-13.5-0813             | Water  | Vinyl Chloride              | 11.2          |    | 2.60  | 10.0 | ug/L  |
| Q2869-04          | MW-11A-13.5-0813             | Water  | cis-1,2-Dichloroethene      | 1500          |    | 1.90  | 10.0 | ug/L  |
| Q2869-04          | MW-11A-13.5-0813             | Water  | Trichloroethene             | 1900          | E  | 0.93  | 10.0 | ug/L  |
| Q2869-04          | MW-11A-13.5-0813             | Water  | Tetrachloroethene           | 14.1          |    | 2.30  | 10.0 | ug/L  |
|                   |                              |        | <b>Total Voc :</b>          | 3430          |    |       |      |       |
|                   |                              |        | <b>Total Concentration:</b> | 3430          |    |       |      |       |
| <b>Client ID:</b> | <b>MW-11A-13.5-081325DL</b>  |        |                             |               |    |       |      |       |
| Q2869-04DL        | MW-11A-13.5-0813             | Water  | cis-1,2-Dichloroethene      | 1500          | D  | 3.80  | 20.0 | ug/L  |
| Q2869-04DL        | MW-11A-13.5-0813             | Water  | Trichloroethene             | 1900          | D  | 1.90  | 20.0 | ug/L  |
| Q2869-04DL        | MW-11A-13.5-0813             | Water  | Tetrachloroethene           | 13.2          | JD | 4.60  | 20.0 | ug/L  |
|                   |                              |        | <b>Total Voc :</b>          | 3410          |    |       |      |       |
|                   |                              |        | <b>Total Concentration:</b> | 3410          |    |       |      |       |
| <b>Client ID:</b> | <b>MW-19B-71.5-081325-FD</b> |        |                             |               |    |       |      |       |
| Q2869-05          | MW-19B-71.5-0813             | Water  | Vinyl Chloride              | 29.5          | J  | 10.4  | 40.0 | ug/L  |
| Q2869-05          | MW-19B-71.5-0813             | Water  | 1,1-Dichloroethene          | 27.6          | J  | 9.20  | 40.0 | ug/L  |
| Q2869-05          | MW-19B-71.5-0813             | Water  | cis-1,2-Dichloroethene      | 4200          |    | 7.60  | 40.0 | ug/L  |
| Q2869-05          | MW-19B-71.5-0813             | Water  | Trichloroethene             | 4100          |    | 3.70  | 40.0 | ug/L  |
| Q2869-05          | MW-19B-71.5-0813             | Water  | Tetrachloroethene           | 180           |    | 9.20  | 40.0 | ug/L  |
|                   |                              |        | <b>Total Voc :</b>          | 8540          |    |       |      |       |
|                   |                              |        | <b>Total Concentration:</b> | 8540          |    |       |      |       |



# SAMPLE DATA

A

B

C

D

E

F

G

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# QC SUMMARY

## Surrogate Summary

SDG No.: **Q2869**

Client: **JACOBS Engineering Group, Inc.**

Analytical Method: **SW8260-Low**

| Lab Sample ID | Client ID             | Parameter             | Spike | Result | Recovery (%) | Qual | Limits (%) |           |
|---------------|-----------------------|-----------------------|-------|--------|--------------|------|------------|-----------|
|               |                       |                       |       |        |              |      | Low        | High      |
| Q2869-01      | MW-19B-71.5-081325    | 1,2-Dichloroethane-d4 | 50    | 57.9   | 116          |      | 70 (74)    | 130 (125) |
|               |                       | Dibromofluoromethane  | 50    | 50.5   | 101          |      | 70 (75)    | 130 (124) |
|               |                       | Toluene-d8            | 50    | 49.4   | 99           |      | 70 (86)    | 130 (113) |
|               |                       | 4-Bromofluorobenzene  | 50    | 55.0   | 110          |      | 70 (77)    | 130 (121) |
| Q2869-03      | MW-01-6.5-081325      | 1,2-Dichloroethane-d4 | 50    | 59.8   | 120          |      | 70 (74)    | 130 (125) |
|               |                       | Dibromofluoromethane  | 50    | 50.7   | 101          |      | 70 (75)    | 130 (124) |
|               |                       | Toluene-d8            | 50    | 48.8   | 98           |      | 70 (86)    | 130 (113) |
|               |                       | 4-Bromofluorobenzene  | 50    | 56.5   | 113          |      | 70 (77)    | 130 (121) |
| Q2869-04      | MW-11A-13.5-081325    | 1,2-Dichloroethane-d4 | 50    | 52.2   | 104          |      | 70 (74)    | 130 (125) |
|               |                       | Dibromofluoromethane  | 50    | 48.0   | 96           |      | 70 (75)    | 130 (124) |
|               |                       | Toluene-d8            | 50    | 48.1   | 96           |      | 70 (86)    | 130 (113) |
|               |                       | 4-Bromofluorobenzene  | 50    | 53.3   | 107          |      | 70 (77)    | 130 (121) |
| Q2869-04DL    | MW-11A-13.5-081325DL  | 1,2-Dichloroethane-d4 | 50    | 53.2   | 106          |      | 70 (74)    | 130 (125) |
|               |                       | Dibromofluoromethane  | 50    | 48.4   | 97           |      | 70 (75)    | 130 (124) |
|               |                       | Toluene-d8            | 50    | 48.5   | 97           |      | 70 (86)    | 130 (113) |
|               |                       | 4-Bromofluorobenzene  | 50    | 53.1   | 106          |      | 70 (77)    | 130 (121) |
| Q2869-05      | MW-19B-71.5-081325-FD | 1,2-Dichloroethane-d4 | 50    | 56.8   | 114          |      | 70 (74)    | 130 (125) |
|               |                       | Dibromofluoromethane  | 50    | 49.6   | 99           |      | 70 (75)    | 130 (124) |
|               |                       | Toluene-d8            | 50    | 49.1   | 98           |      | 70 (86)    | 130 (113) |
|               |                       | 4-Bromofluorobenzene  | 50    | 55.7   | 111          |      | 70 (77)    | 130 (121) |
| Q2869-07      | EB01-081325           | 1,2-Dichloroethane-d4 | 50    | 60.9   | 122          |      | 70 (74)    | 130 (125) |
|               |                       | Dibromofluoromethane  | 50    | 51.7   | 103          |      | 70 (75)    | 130 (124) |
|               |                       | Toluene-d8            | 50    | 50.0   | 100          |      | 70 (86)    | 130 (113) |
|               |                       | 4-Bromofluorobenzene  | 50    | 57.2   | 114          |      | 70 (77)    | 130 (121) |
| Q2869-10      | EB02-081325           | 1,2-Dichloroethane-d4 | 50    | 57.0   | 114          |      | 70 (74)    | 130 (125) |
|               |                       | Dibromofluoromethane  | 50    | 51.0   | 102          |      | 70 (75)    | 130 (124) |
|               |                       | Toluene-d8            | 50    | 50.3   | 101          |      | 70 (86)    | 130 (113) |
|               |                       | 4-Bromofluorobenzene  | 50    | 56.1   | 112          |      | 70 (77)    | 130 (121) |
| Q2869-11      | TB01-081325           | 1,2-Dichloroethane-d4 | 50    | 58.6   | 117          |      | 70 (74)    | 130 (125) |
|               |                       | Dibromofluoromethane  | 50    | 49.8   | 100          |      | 70 (75)    | 130 (124) |
|               |                       | Toluene-d8            | 50    | 48.2   | 96           |      | 70 (86)    | 130 (113) |
|               |                       | 4-Bromofluorobenzene  | 50    | 55.8   | 112          |      | 70 (77)    | 130 (121) |
| VX0819WBL01   | VX0819WBL01           | 1,2-Dichloroethane-d4 | 50    | 57.3   | 114          |      | 70 (74)    | 130 (125) |
|               |                       | Dibromofluoromethane  | 50    | 50.9   | 102          |      | 70 (75)    | 130 (124) |
|               |                       | Toluene-d8            | 50    | 49.5   | 99           |      | 70 (86)    | 130 (113) |
|               |                       | 4-Bromofluorobenzene  | 50    | 56.1   | 112          |      | 70 (77)    | 130 (121) |
| VX0819WBS01   | VX0819WBS01           | 1,2-Dichloroethane-d4 | 50    | 54.3   | 109          |      | 70 (74)    | 130 (125) |
|               |                       | Dibromofluoromethane  | 50    | 52.1   | 104          |      | 70 (75)    | 130 (124) |
|               |                       | Toluene-d8            | 50    | 50.5   | 101          |      | 70 (86)    | 130 (113) |
|               |                       | 4-Bromofluorobenzene  | 50    | 52.8   | 106          |      | 70 (77)    | 130 (121) |
| VX0819WBSD0   | VX0819WBSD01          | 1,2-Dichloroethane-d4 | 50    | 54.2   | 108          |      | 70 (74)    | 130 (125) |
|               |                       | Dibromofluoromethane  | 50    | 52.0   | 104          |      | 70 (75)    | 130 (124) |
|               |                       | Toluene-d8            | 50    | 50.7   | 101          |      | 70 (86)    | 130 (113) |
|               |                       | 4-Bromofluorobenzene  | 50    | 53.7   | 107          |      | 70 (77)    | 130 (121) |
| VX0821WBL01   | VX0821WBL01           | 1,2-Dichloroethane-d4 | 50    | 57.4   | 115          |      | 70 (74)    | 130 (125) |
|               |                       | Dibromofluoromethane  | 50    | 49.0   | 98           |      | 70 (75)    | 130 (124) |
|               |                       | Toluene-d8            | 50    | 48.7   | 97           |      | 70 (86)    | 130 (113) |
|               |                       | 4-Bromofluorobenzene  | 50    | 55.6   | 111          |      | 70 (77)    | 130 (121) |
| VX0821WBS02   | VX0821WBS02           | 1,2-Dichloroethane-d4 | 50    | 57.3   | 115          |      | 70 (74)    | 130 (125) |
|               |                       | Dibromofluoromethane  | 50    | 51.6   | 103          |      | 70 (75)    | 130 (124) |

( ) = LABORATORY INHOUSE LIMIT

### Surrogate Summary

SDG No.: Q2869

Client: JACOBS Engineering Group, Inc.

Analytical Method: SW8260-Low

| Lab Sample ID | Client ID   | Parameter            | Spike | Result | Recovery (%) | Qual | Limits (%) |           |
|---------------|-------------|----------------------|-------|--------|--------------|------|------------|-----------|
|               |             |                      |       |        |              |      | Low        | High      |
| VX0821WBS02   | VX0821WBS02 | Toluene-d8           | 50    | 50.2   | 100          |      | 70 (86)    | 130 (113) |
|               |             | 4-Bromofluorobenzene | 50    | 55.6   | 111          |      | 70 (77)    | 130 (121) |

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2869 Analytical Method: SW8260-Low  
Client: JACOBS Engineering Group, Inc. Datafile : VX047403.D

| Lab Sample ID | Parameter              | Spike | Result | Unit | Rec | RPD | Qual | Low     | Limits<br>High | RPD |
|---------------|------------------------|-------|--------|------|-----|-----|------|---------|----------------|-----|
| VX0819WBS01   | Vinyl chloride         | 20    | 16.6   | ug/L | 83  |     |      | 70 (65) | 130 (117)      |     |
|               | 1,1-Dichloroethene     | 20    | 17.3   | ug/L | 86  |     |      | 70 (74) | 130 (110)      |     |
|               | 1,1-Dichloroethane     | 20    | 18.6   | ug/L | 93  |     |      | 70 (78) | 130 (112)      |     |
|               | cis-1,2-Dichloroethene | 20    | 18.5   | ug/L | 93  |     |      | 70 (77) | 130 (110)      |     |
|               | 1,1,1-Trichloroethane  | 20    | 17.9   | ug/L | 90  |     |      | 70 (80) | 130 (108)      |     |
|               | Benzene                | 20    | 18.0   | ug/L | 90  |     |      | 70 (82) | 130 (109)      |     |
|               | 1,2-Dichloroethane     | 20    | 18.7   | ug/L | 94  |     |      | 70 (80) | 130 (115)      |     |
|               | Trichloroethene        | 20    | 17.2   | ug/L | 86  |     |      | 70 (77) | 130 (113)      |     |
|               | 1,1,2-Trichloroethane  | 20    | 18.8   | ug/L | 94  |     |      | 70 (83) | 130 (112)      |     |
|               | Tetrachloroethene      | 20    | 16.7   | ug/L | 84  |     |      | 70 (67) | 130 (123)      |     |

() = LABORATORY INHOUSE LIMIT



Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

|                 |                                       |                           |                   |
|-----------------|---------------------------------------|---------------------------|-------------------|
| <b>SDG No.:</b> | <u>Q2869</u>                          | <b>Analytical Method:</b> | <u>SW8260-Low</u> |
| <b>Client:</b>  | <u>JACOBS Engineering Group, Inc.</u> | <b>Datafile :</b>         | <u>VX047405.D</u> |

| Lab Sample ID | Parameter              | Spike | Result | Unit | Rec | RPD | Qual | Low     | Limits<br>High | RPD     |
|---------------|------------------------|-------|--------|------|-----|-----|------|---------|----------------|---------|
| VX0819WBSD01  | Vinyl chloride         | 20    | 16.4   | ug/L | 82  | 1   |      | 70 (65) | 130 (117)      | 20 (19) |
|               | 1,1-Dichloroethene     | 20    | 16.5   | ug/L | 83  | 4   |      | 70 (74) | 130 (110)      | 20 (20) |
|               | 1,1-Dichloroethane     | 20    | 17.9   | ug/L | 90  | 3   |      | 70 (78) | 130 (112)      | 20 (20) |
|               | cis-1,2-Dichloroethene | 20    | 17.8   | ug/L | 89  | 4   |      | 70 (77) | 130 (110)      | 20 (20) |
|               | 1,1,1-Trichloroethane  | 20    | 17.5   | ug/L | 88  | 2   |      | 70 (80) | 130 (108)      | 20 (20) |
|               | Benzene                | 20    | 17.6   | ug/L | 88  | 2   |      | 70 (82) | 130 (109)      | 20 (15) |
|               | 1,2-Dichloroethane     | 20    | 19.0   | ug/L | 95  | 1   |      | 70 (80) | 130 (115)      | 20 (20) |
|               | Trichloroethene        | 20    | 17.1   | ug/L | 86  | 0   |      | 70 (77) | 130 (113)      | 20 (15) |
|               | 1,1,2-Trichloroethane  | 20    | 19.2   | ug/L | 96  | 2   |      | 70 (83) | 130 (112)      | 20 (20) |
|               | Tetrachloroethene      | 20    | 16.4   | ug/L | 82  | 2   |      | 70 (67) | 130 (123)      | 20 (15) |

() = LABORATORY INHOUSE LIMIT

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

|                 |                                       |                           |                   |
|-----------------|---------------------------------------|---------------------------|-------------------|
| <b>SDG No.:</b> | <u>Q2869</u>                          | <b>Analytical Method:</b> | <u>SW8260-Low</u> |
| <b>Client:</b>  | <u>JACOBS Engineering Group, Inc.</u> | <b>Datafile :</b>         | <u>VX047467.D</u> |

| Lab Sample ID | Parameter              | Spike | Result | Unit | Rec | RPD | Qual | Low     | Limits<br>High | RPD |
|---------------|------------------------|-------|--------|------|-----|-----|------|---------|----------------|-----|
| VX0821WBS02   | Vinyl chloride         | 20    | 19.3   | ug/L | 97  |     |      | 70 (65) | 130 (117)      |     |
|               | 1,1-Dichloroethene     | 20    | 20.0   | ug/L | 100 |     |      | 70 (74) | 130 (110)      |     |
|               | 1,1-Dichloroethane     | 20    | 21.8   | ug/L | 109 |     |      | 70 (78) | 130 (112)      |     |
|               | cis-1,2-Dichloroethene | 20    | 21.9   | ug/L | 110 |     |      | 70 (77) | 130 (110)      |     |
|               | 1,1,1-Trichloroethane  | 20    | 20.6   | ug/L | 103 |     |      | 70 (80) | 130 (108)      |     |
|               | Benzene                | 20    | 20.6   | ug/L | 103 |     |      | 70 (82) | 130 (109)      |     |
|               | 1,2-Dichloroethane     | 20    | 21.5   | ug/L | 108 |     |      | 70 (80) | 130 (115)      |     |
|               | Trichloroethene        | 20    | 20.1   | ug/L | 101 |     |      | 70 (77) | 130 (113)      |     |
|               | 1,1,2-Trichloroethane  | 20    | 21.9   | ug/L | 110 |     |      | 70 (83) | 130 (112)      |     |
|               | Tetrachloroethene      | 20    | 18.2   | ug/L | 91  |     |      | 70 (67) | 130 (123)      |     |

() = LABORATORY INHOUSE LIMIT

VOLATILE METHOD BLANK SUMMARY

Client ID

VX0819WBL01

Lab Name: Alliance

Contract: JACO05

Lab Code: ACE

SDG NO.: Q2869

Lab File ID: VX047402.D

Lab Sample ID: VX0819WBL01

Date Analyzed: 08/19/2025

Time Analyzed: 10:55

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

Heated Purge: (Y/N) N

Instrument ID: MSVOA\_X

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

| EPA<br>SAMPLE NO.  | LAB<br>SAMPLE ID | LAB<br>FILE ID | DATE<br>ANALYZED |
|--------------------|------------------|----------------|------------------|
| VX0819WBS01        | VX0819WBS01      | VX047403.D     | 08/19/2025       |
| VX0819WBSD01       | VX0819WBSD01     | VX047405.D     | 08/19/2025       |
| EB01-081325        | Q2869-07         | VX047416.D     | 08/19/2025       |
| EB02-081325        | Q2869-10         | VX047417.D     | 08/19/2025       |
| TB01-081325        | Q2869-11         | VX047418.D     | 08/19/2025       |
| MW-19B-71.5-081325 | Q2869-01         | VX047421.D     | 08/19/2025       |

COMMENTS: \_\_\_\_\_

VOLATILE METHOD BLANK SUMMARY

Client ID

VX0821WBL01

Lab Name: Alliance

Contract: JAC005

Lab Code: ACE

SDG NO.: Q2869

Lab File ID: VX047457.D

Lab Sample ID: VX0821WBL01

Date Analyzed: 08/21/2025

Time Analyzed: 10:24

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

Heated Purge: (Y/N) N

Instrument ID: MSVOA\_X

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

| EPA<br>SAMPLE NO.     | LAB<br>SAMPLE ID | LAB<br>FILE ID | DATE<br>ANALYZED |
|-----------------------|------------------|----------------|------------------|
| MW-11A-13.5-081325    | Q2869-04         | VX047460.D     | 08/21/2025       |
| MW-19B-71.5-081325-FD | Q2869-05         | VX047461.D     | 08/21/2025       |
| MW-01-6.5-081325      | Q2869-03         | VX047462.D     | 08/21/2025       |
| VX0821WBS02           | VX0821WBS02      | VX047467.D     | 08/21/2025       |
| MW-11A-13.5-081325DL  | Q2869-04DL       | VX047468.D     | 08/21/2025       |

COMMENTS: \_\_\_\_\_

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: JACO05

Lab Code: ACE

SDG NO.: Q2869

Lab File ID: VX047347.D

BFB Injection Date: 08/15/2025

Instrument ID: MSVOA\_X

BFB Injection Time: 08:28

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

Heated Purge: Y/N N

| m/e | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 50  | 15.0 - 40.0% of mass 95            | 19.3                 |
| 75  | 30.0 - 60.0% of mass 95            | 51.4                 |
| 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 ( 1.1 ) 1        |
| 174 | 50.0 - 100.0% of mass 95           | 74.3                 |
| 175 | 5.0 - 9.0% of mass 174             | 6.1 ( 8.2 ) 1        |
| 176 | 95.0 - 101.0% of mass 174          | 71.9 ( 96.8 ) 1      |
| 177 | 5.0 - 9.0% of mass 176             | 4.4 ( 6.2 ) 2        |

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

| CLIENT ID | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|-----------|---------------|-------------|---------------|---------------|
| VSTDIC005 | VSTDIC005     | VX047349.D  | 08/15/2025    | 09:40         |
| VSTDIC020 | VSTDIC020     | VX047350.D  | 08/15/2025    | 10:01         |
| VSTDIC050 | VSTDIC050     | VX047351.D  | 08/15/2025    | 10:22         |
| VSTDIC100 | VSTDIC100     | VX047352.D  | 08/15/2025    | 10:43         |
| VSTDIC150 | VSTDIC150     | VX047353.D  | 08/15/2025    | 11:05         |
| VSTDIC001 | VSTDIC001     | VX047356.D  | 08/15/2025    | 12:30         |

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: JACO05

Lab Code: ACE

SDG NO.: Q2869

Lab File ID: VX047399.D

BFB Injection Date: 08/19/2025

Instrument ID: MSVOA\_X

BFB Injection Time: 08:38

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

Heated Purge: Y/N N

| m/e | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 50  | 15.0 - 40.0% of mass 95            | 19                   |
| 75  | 30.0 - 60.0% of mass 95            | 50.5                 |
| 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         | 0.9 ( 1.2 ) 1        |
| 174 | 50.0 - 100.0% of mass 95           | 72.1                 |
| 175 | 5.0 - 9.0% of mass 174             | 5.3 ( 7.4 ) 1        |
| 176 | 95.0 - 101.0% of mass 174          | 70.3 ( 97.6 ) 1      |
| 177 | 5.0 - 9.0% of mass 176             | 5 ( 7.1 ) 2          |

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

| CLIENT ID          | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|--------------------|---------------|-------------|---------------|---------------|
| VSTDCCC050         | VSTDCCC050    | VX047400.D  | 08/19/2025    | 09:37         |
| VX0819WBL01        | VX0819WBL01   | VX047402.D  | 08/19/2025    | 10:55         |
| VX0819WBS01        | VX0819WBS01   | VX047403.D  | 08/19/2025    | 11:55         |
| VX0819WBSD01       | VX0819WBSD01  | VX047405.D  | 08/19/2025    | 12:37         |
| EB01-081325        | Q2869-07      | VX047416.D  | 08/19/2025    | 16:36         |
| EB02-081325        | Q2869-10      | VX047417.D  | 08/19/2025    | 16:57         |
| TB01-081325        | Q2869-11      | VX047418.D  | 08/19/2025    | 17:18         |
| MW-19B-71.5-081325 | Q2869-01      | VX047421.D  | 08/19/2025    | 18:22         |

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: JACO05

Lab Code: ACE

SDG NO.: Q2869

Lab File ID: VX047454.D

BFB Injection Date: 08/21/2025

Instrument ID: MSVOA\_X

BFB Injection Time: 07:58

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

Heated Purge: Y/N N

| m/e | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 50  | 15.0 - 40.0% of mass 95            | 19.4                 |
| 75  | 30.0 - 60.0% of mass 95            | 51.8                 |
| 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         | 0.8 ( 1 ) 1          |
| 174 | 50.0 - 100.0% of mass 95           | 77.9                 |
| 175 | 5.0 - 9.0% of mass 174             | 5.5 ( 7.1 ) 1        |
| 176 | 95.0 - 101.0% of mass 174          | 74.3 ( 95.4 ) 1      |
| 177 | 5.0 - 9.0% of mass 176             | 5 ( 6.7 ) 2          |

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

| CLIENT ID             | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|-----------------------|---------------|-------------|---------------|---------------|
| VSTDCCC050            | VSTDCCC050    | VX047455.D  | 08/21/2025    | 09:35         |
| VX0821WBL01           | VX0821WBL01   | VX047457.D  | 08/21/2025    | 10:24         |
| MW-11A-13.5-081325    | Q2869-04      | VX047460.D  | 08/21/2025    | 11:39         |
| MW-19B-71.5-081325-FD | Q2869-05      | VX047461.D  | 08/21/2025    | 12:00         |
| MW-01-6.5-081325      | Q2869-03      | VX047462.D  | 08/21/2025    | 12:22         |
| VX0821WBS02           | VX0821WBS02   | VX047467.D  | 08/21/2025    | 14:07         |
| MW-11A-13.5-081325DL  | Q2869-04DL    | VX047468.D  | 08/21/2025    | 14:28         |

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: JACO05  
Lab Code: ACE SDG NO.: Q2869  
Lab File ID: VX047400.D Date Analyzed: 08/19/2025  
Instrument ID: MSVOA\_X Time Analyzed: 09:37  
GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

|                    | IS1<br>AREA # | RT #  | IS2<br>AREA # | RT #  | IS3<br>AREA # | RT #   |
|--------------------|---------------|-------|---------------|-------|---------------|--------|
| 12 HOUR STD        | 203851        | 5.56  | 365078        | 6.76  | 334051        | 10.06  |
| UPPER LIMIT        | 407702        | 6.062 | 730156        | 7.263 | 668102        | 10.555 |
| LOWER LIMIT        | 101926        | 5.062 | 182539        | 6.263 | 167026        | 9.555  |
| EPA SAMPLE NO.     |               |       |               |       |               |        |
| MW-19B-71.5-081325 | 199878        | 5.57  | 404740        | 6.77  | 406772        | 10.06  |
| EB01-081325        | 223227        | 5.56  | 449571        | 6.77  | 464745        | 10.06  |
| EB02-081325        | 205773        | 5.56  | 414097        | 6.77  | 417583        | 10.06  |
| TB01-081325        | 204851        | 5.56  | 415100        | 6.77  | 420679        | 10.06  |
| VX0819WBL01        | 204625        | 5.56  | 410508        | 6.76  | 416324        | 10.06  |
| VX0819WBS01        | 225610        | 5.56  | 400778        | 6.76  | 370967        | 10.05  |
| VX0819WBSD01       | 228746        | 5.57  | 395063        | 6.77  | 371284        | 10.06  |

IS1 = Pentafluorobenzene  
IS2 = 1,4-Difluorobenzene  
IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% 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

# Column used to flag values outside QC limits with an asterisk.  
\* Values outside of QC limits.



VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: JACO05  
Lab Code: ACE SDG NO.: Q2869  
Lab File ID: VX047400.D Date Analyzed: 08/19/2025  
Instrument ID: MSVOA\_X Time Analyzed: 09:37  
GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

|                    | IS4<br>AREA # | RT #   |  |  |  |  |
|--------------------|---------------|--------|--|--|--|--|
| 12 HOUR STD        | 167955        | 12.018 |  |  |  |  |
| UPPER LIMIT        | 335910        | 12.518 |  |  |  |  |
| LOWER LIMIT        | 83977.5       | 11.518 |  |  |  |  |
| EPA SAMPLE NO.     |               |        |  |  |  |  |
| MW-19B-71.5-081325 | 210685        | 12.02  |  |  |  |  |
| EB01-081325        | 238761        | 12.02  |  |  |  |  |
| EB02-081325        | 212656        | 12.02  |  |  |  |  |
| TB01-081325        | 219893        | 12.02  |  |  |  |  |
| VX0819WBL01        | 212865        | 12.02  |  |  |  |  |
| VX0819WBS01        | 189862        | 12.02  |  |  |  |  |
| VX0819WBSD01       | 189413        | 12.02  |  |  |  |  |

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% 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

# Column used to flag values outside QC limits with an asterisk.  
\* Values outside of QC limits.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: JACO05  
Lab Code: ACE SDG NO.: Q2869  
Lab File ID: VX047455.D Date Analyzed: 08/21/2025  
Instrument ID: MSVOA\_X Time Analyzed: 09:35  
GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

|                       | IS1<br>AREA # | RT #  | IS2<br>AREA # | RT #  | IS3<br>AREA # | RT #   |
|-----------------------|---------------|-------|---------------|-------|---------------|--------|
| 12 HOUR STD           | 229258        | 5.56  | 398048        | 6.76  | 349454        | 10.05  |
| UPPER LIMIT           | 458516        | 6.056 | 796096        | 7.263 | 698908        | 10.549 |
| LOWER LIMIT           | 114629        | 5.056 | 199024        | 6.263 | 174727        | 9.549  |
| EPA SAMPLE NO.        |               |       |               |       |               |        |
| MW-01-6.5-081325      | 206081        | 5.57  | 418758        | 6.77  | 421107        | 10.06  |
| MW-11A-13.5-081325    | 209250        | 5.56  | 413436        | 6.77  | 399927        | 10.06  |
| MW-11A-13.5-081325DL  | 195089        | 5.56  | 386665        | 6.77  | 376333        | 10.06  |
| MW-19B-71.5-081325-FD | 234783        | 5.56  | 477817        | 6.77  | 477729        | 10.06  |
| VX0821WBL01           | 216518        | 5.56  | 445927        | 6.77  | 448054        | 10.06  |
| VX0821WBS02           | 219757        | 5.56  | 395822        | 6.77  | 370697        | 10.06  |

IS1 = Pentafluorobenzene  
IS2 = 1,4-Difluorobenzene  
IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% 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

# Column used to flag values outside QC limits with an asterisk.  
\* Values outside of QC limits.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: JACO05  
 Lab Code: ACE SDG NO.: Q2869  
 Lab File ID: VX047455.D Date Analyzed: 08/21/2025  
 Instrument ID: MSVOA\_X Time Analyzed: 09:35  
 GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

|                       | IS4<br>AREA # | RT #   |  |  |  |  |
|-----------------------|---------------|--------|--|--|--|--|
| 12 HOUR STD           | 170891        | 12.018 |  |  |  |  |
| UPPER LIMIT           | 341782        | 12.518 |  |  |  |  |
| LOWER LIMIT           | 85445.5       | 11.518 |  |  |  |  |
| EPA SAMPLE NO.        |               |        |  |  |  |  |
| MW-01-6.5-081325      | 214194        | 12.02  |  |  |  |  |
| MW-11A-13.5-081325    | 194035        | 12.02  |  |  |  |  |
| MW-11A-13.5-081325DL  | 185836        | 12.02  |  |  |  |  |
| MW-19B-71.5-081325-FD | 247621        | 12.02  |  |  |  |  |
| VX0821WBL01           | 231897        | 12.02  |  |  |  |  |
| VX0821WBS02           | 193487        | 12.02  |  |  |  |  |

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% 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

# Column used to flag values outside QC limits with an asterisk.  
 \* Values outside of QC limits.



# QC SAMPLE DATA





## Report of Analysis

|                    |                                           |                 |              |
|--------------------|-------------------------------------------|-----------------|--------------|
| Client:            | JACOBS Engineering Group, Inc.            | Date Collected: |              |
| Project:           | Former Schlumberger STC PTC Site D3868221 | Date Received:  |              |
| Client Sample ID:  | VX0819WBS01                               | SDG No.:        | Q2869        |
| Lab Sample ID:     | VX0819WBS01                               | Matrix:         | Water        |
| Analytical Method: | 8260D                                     | % Solid:        | 0            |
| Sample Wt/Vol:     | 5      Units:    mL                       | Final Vol:      | 5000      uL |
| Soil Aliquot Vol:  | uL                                        | Test:           | VOCMS Group3 |
| GC Column:         | DB-624UI      ID :    0.18                | Level :         | LOW          |
| Prep Method :      |                                           |                 |              |

|                   |           |                |               |
|-------------------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Date Analyzed  | Prep Batch ID |
| VX047403.D        | 1         | 08/19/25 11:55 | VX081925      |

| CAS Number                | Parameter              | Conc.  | Qualifier | MDL                 | LOQ / CRQL | Units   |
|---------------------------|------------------------|--------|-----------|---------------------|------------|---------|
| <b>TARGETS</b>            |                        |        |           |                     |            |         |
| 75-01-4                   | Vinyl Chloride         | 16.6   |           | 0.26                | 1.00       | ug/L    |
| 75-35-4                   | 1,1-Dichloroethene     | 17.3   |           | 0.23                | 1.00       | ug/L    |
| 75-34-3                   | 1,1-Dichloroethane     | 18.6   |           | 0.23                | 1.00       | ug/L    |
| 156-59-2                  | cis-1,2-Dichloroethene | 18.5   |           | 0.19                | 1.00       | ug/L    |
| 71-55-6                   | 1,1,1-Trichloroethane  | 17.9   |           | 0.20                | 1.00       | ug/L    |
| 71-43-2                   | Benzene                | 18.0   |           | 0.15                | 1.00       | ug/L    |
| 107-06-2                  | 1,2-Dichloroethane     | 18.7   |           | 0.22                | 1.00       | ug/L    |
| 79-01-6                   | Trichloroethene        | 17.2   |           | 0.090               | 1.00       | ug/L    |
| 79-00-5                   | 1,1,2-Trichloroethane  | 18.8   |           | 0.21                | 1.00       | ug/L    |
| 127-18-4                  | Tetrachloroethene      | 16.7   |           | 0.23                | 1.00       | ug/L    |
| <b>SURROGATES</b>         |                        |        |           |                     |            |         |
| 17060-07-0                | 1,2-Dichloroethane-d4  | 54.3   |           | 70 (74) - 130 (125) | 109%       | SPK: 50 |
| 1868-53-7                 | Dibromofluoromethane   | 52.1   |           | 70 (75) - 130 (124) | 104%       | SPK: 50 |
| 2037-26-5                 | Toluene-d8             | 50.6   |           | 70 (86) - 130 (113) | 101%       | SPK: 50 |
| 460-00-4                  | 4-Bromofluorobenzene   | 52.8   |           | 70 (77) - 130 (121) | 106%       | SPK: 50 |
| <b>INTERNAL STANDARDS</b> |                        |        |           |                     |            |         |
| 363-72-4                  | Pentafluorobenzene     | 226000 | 5.556     |                     |            |         |
| 540-36-3                  | 1,4-Difluorobenzene    | 401000 | 6.763     |                     |            |         |
| 3114-55-4                 | Chlorobenzene-d5       | 371000 | 10.049    |                     |            |         |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4 | 190000 | 12.018    |                     |            |         |

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

## Report of Analysis

|                    |                                           |                 |              |
|--------------------|-------------------------------------------|-----------------|--------------|
| Client:            | JACOBS Engineering Group, Inc.            | Date Collected: |              |
| Project:           | Former Schlumberger STC PTC Site D3868221 | Date Received:  |              |
| Client Sample ID:  | VX0821WBS02                               | SDG No.:        | Q2869        |
| Lab Sample ID:     | VX0821WBS02                               | Matrix:         | Water        |
| Analytical Method: | 8260D                                     | % Solid:        | 0            |
| Sample Wt/Vol:     | 5      Units:    mL                       | Final Vol:      | 5000      uL |
| Soil Aliquot Vol:  | uL                                        | Test:           | VOCMS Group3 |
| GC Column:         | DB-624UI      ID :    0.18                | Level :         | LOW          |
| Prep Method :      |                                           |                 |              |

|                   |           |                |               |
|-------------------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Date Analyzed  | Prep Batch ID |
| VX047467.D        | 1         | 08/21/25 14:07 | VX082125      |

| CAS Number                | Parameter              | Conc.  | Qualifier | MDL                 | LOQ / CRQL | Units   |
|---------------------------|------------------------|--------|-----------|---------------------|------------|---------|
| <b>TARGETS</b>            |                        |        |           |                     |            |         |
| 75-01-4                   | Vinyl Chloride         | 19.3   |           | 0.26                | 1.00       | ug/L    |
| 75-35-4                   | 1,1-Dichloroethene     | 20.0   |           | 0.23                | 1.00       | ug/L    |
| 75-34-3                   | 1,1-Dichloroethane     | 21.8   |           | 0.23                | 1.00       | ug/L    |
| 156-59-2                  | cis-1,2-Dichloroethene | 21.9   |           | 0.19                | 1.00       | ug/L    |
| 71-55-6                   | 1,1,1-Trichloroethane  | 20.6   |           | 0.20                | 1.00       | ug/L    |
| 71-43-2                   | Benzene                | 20.6   |           | 0.15                | 1.00       | ug/L    |
| 107-06-2                  | 1,2-Dichloroethane     | 21.5   |           | 0.22                | 1.00       | ug/L    |
| 79-01-6                   | Trichloroethene        | 20.1   |           | 0.090               | 1.00       | ug/L    |
| 79-00-5                   | 1,1,2-Trichloroethane  | 21.9   |           | 0.21                | 1.00       | ug/L    |
| 127-18-4                  | Tetrachloroethene      | 18.2   |           | 0.23                | 1.00       | ug/L    |
| <b>SURROGATES</b>         |                        |        |           |                     |            |         |
| 17060-07-0                | 1,2-Dichloroethane-d4  | 57.3   |           | 70 (74) - 130 (125) | 115%       | SPK: 50 |
| 1868-53-7                 | Dibromofluoromethane   | 51.6   |           | 70 (75) - 130 (124) | 103%       | SPK: 50 |
| 2037-26-5                 | Toluene-d8             | 50.2   |           | 70 (86) - 130 (113) | 100%       | SPK: 50 |
| 460-00-4                  | 4-Bromofluorobenzene   | 55.6   |           | 70 (77) - 130 (121) | 111%       | SPK: 50 |
| <b>INTERNAL STANDARDS</b> |                        |        |           |                     |            |         |
| 363-72-4                  | Pentafluorobenzene     | 220000 | 5.562     |                     |            |         |
| 540-36-3                  | 1,4-Difluorobenzene    | 396000 | 6.769     |                     |            |         |
| 3114-55-4                 | Chlorobenzene-d5       | 371000 | 10.055    |                     |            |         |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4 | 193000 | 12.018    |                     |            |         |

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M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products



## Report of Analysis

|                    |                                            |                 |                              |
|--------------------|--------------------------------------------|-----------------|------------------------------|
| Client:            | JACOBS Engineering Group, Inc.             | Date Collected: |                              |
| Project:           | Former Schlumberger STC PTC Site D3868221  | Date Received:  |                              |
| Client Sample ID:  | VX0819WBSD01                               | SDG No.:        | Q2869                        |
| Lab Sample ID:     | VX0819WBSD01                               | Matrix:         | Water                        |
| Analytical Method: | 8260D                                      | % Solid:        | 0                            |
| Sample Wt/Vol:     | 5                      Units:    mL        | Final Vol:      | 5000                      uL |
| Soil Aliquot Vol:  | uL                                         | Test:           | VOCMS Group3                 |
| GC Column:         | DB-624UI                      ID :    0.18 | Level :         | LOW                          |
| Prep Method :      |                                            |                 |                              |

|                   |           |                |               |
|-------------------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Date Analyzed  | Prep Batch ID |
| VX047405.D        | 1         | 08/19/25 12:37 | VX081925      |

| CAS Number                | Parameter              | Conc.  | Qualifier | MDL                 | LOQ / CRQL | Units   |
|---------------------------|------------------------|--------|-----------|---------------------|------------|---------|
| <b>TARGETS</b>            |                        |        |           |                     |            |         |
| 75-01-4                   | Vinyl Chloride         | 16.4   |           | 0.26                | 1.00       | ug/L    |
| 75-35-4                   | 1,1-Dichloroethene     | 16.5   |           | 0.23                | 1.00       | ug/L    |
| 75-34-3                   | 1,1-Dichloroethane     | 17.9   |           | 0.23                | 1.00       | ug/L    |
| 156-59-2                  | cis-1,2-Dichloroethene | 17.8   |           | 0.19                | 1.00       | ug/L    |
| 71-55-6                   | 1,1,1-Trichloroethane  | 17.5   |           | 0.20                | 1.00       | ug/L    |
| 71-43-2                   | Benzene                | 17.6   |           | 0.15                | 1.00       | ug/L    |
| 107-06-2                  | 1,2-Dichloroethane     | 19.0   |           | 0.22                | 1.00       | ug/L    |
| 79-01-6                   | Trichloroethene        | 17.1   |           | 0.090               | 1.00       | ug/L    |
| 79-00-5                   | 1,1,2-Trichloroethane  | 19.2   |           | 0.21                | 1.00       | ug/L    |
| 127-18-4                  | Tetrachloroethene      | 16.4   |           | 0.23                | 1.00       | ug/L    |
| <b>SURROGATES</b>         |                        |        |           |                     |            |         |
| 17060-07-0                | 1,2-Dichloroethane-d4  | 54.2   |           | 70 (74) - 130 (125) | 108%       | SPK: 50 |
| 1868-53-7                 | Dibromofluoromethane   | 52.0   |           | 70 (75) - 130 (124) | 104%       | SPK: 50 |
| 2037-26-5                 | Toluene-d8             | 50.7   |           | 70 (86) - 130 (113) | 101%       | SPK: 50 |
| 460-00-4                  | 4-Bromofluorobenzene   | 53.7   |           | 70 (77) - 130 (121) | 107%       | SPK: 50 |
| <b>INTERNAL STANDARDS</b> |                        |        |           |                     |            |         |
| 363-72-4                  | Pentafluorobenzene     | 229000 | 5.568     |                     |            |         |
| 540-36-3                  | 1,4-Difluorobenzene    | 395000 | 6.769     |                     |            |         |
| 3114-55-4                 | Chlorobenzene-d5       | 371000 | 10.055    |                     |            |         |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4 | 189000 | 12.018    |                     |            |         |

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products



# CALIBRATION SUMMARY

# VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: JAC005  
Lab Code: ACE SDG No.: Q2869  
Instrument ID: MSVOA\_X Calibration Date(s): 08/15/2025 08/15/2025  
Heated Purge: (Y/N) N Calibration Time(s): 09:40 12:30  
GC Column: DB-624UI ID: 0.18 (mm)

| LAB FILE ID:           |        |        |                     |        |        |                     |       |       |
|------------------------|--------|--------|---------------------|--------|--------|---------------------|-------|-------|
| RRF005 = VX047349.D    |        |        | RRF020 = VX047350.D |        |        | RRF050 = VX047351.D |       |       |
| RRF100 = VX047352.D    |        |        | RRF150 = VX047353.D |        |        | RRF001 = VX047356.D |       |       |
| COMPOUND               | RRF005 | RRF020 | RRF050              | RRF100 | RRF150 | RRF001              | RRF   | % RSD |
| Vinyl Chloride         | 0.651  | 0.751  | 0.800               | 0.729  | 0.757  | 0.630               | 0.720 | 9.2   |
| 1,1-Dichloroethene     | 0.575  | 0.664  | 0.697               | 0.635  | 0.651  | 0.555               | 0.630 | 8.6   |
| 1,1-Dichloroethane     | 1.180  | 1.294  | 1.356               | 1.210  | 1.238  | 1.052               | 1.222 | 8.5   |
| cis-1,2-Dichloroethene | 0.758  | 0.826  | 0.846               | 0.769  | 0.779  | 0.692               | 0.778 | 7     |
| 1,1,1-Trichloroethane  | 1.043  | 1.151  | 1.195               | 1.081  | 1.106  | 0.863               | 1.073 | 10.8  |
| Benzene                | 1.502  | 1.665  | 1.701               | 1.516  | 1.504  | 1.312               | 1.533 | 9.1   |
| 1,2-Dichloroethane     | 0.521  | 0.594  | 0.600               | 0.532  | 0.528  | 0.484               | 0.543 | 8.3   |
| Trichloroethene        | 0.383  | 0.423  | 0.432               | 0.390  | 0.391  | 0.336               | 0.393 | 8.6   |
| 1,1,2-Trichloroethane  | 0.358  | 0.393  | 0.396               | 0.352  | 0.347  | 0.313               | 0.360 | 8.6   |
| Tetrachloroethene      | 0.351  | 0.384  | 0.398               | 0.360  | 0.360  | 0.316               | 0.362 | 7.8   |
| 1,2-Dichloroethane-d4  | 0.709  | 0.581  | 0.700               | 0.747  | 0.762  |                     | 0.700 | 10.2  |
| Dibromofluoromethane   | 0.310  | 0.278  | 0.331               | 0.354  | 0.349  |                     | 0.325 | 9.6   |
| Toluene-d8             | 1.157  | 0.994  | 1.171               | 1.246  | 1.232  |                     | 1.160 | 8.7   |
| 4-Bromofluorobenzene   | 0.441  | 0.371  | 0.428               | 0.452  | 0.448  |                     | 0.428 | 7.8   |

\* Compounds with required minimum RRF and maximum %RSD values.  
All other compounds must meet a minimum RRF of 0.010.  
RRF of 1,4-Dioxane = Value should be divide by 1000.

VOLATILE CONTINUING CALIBRATION CHECK

|                     |                   |                        |                                     |
|---------------------|-------------------|------------------------|-------------------------------------|
| Lab Name:           | <u>Alliance</u>   | Contract:              | <u>JAC005</u>                       |
| Lab Code:           | <u>ACE</u>        | SDG No.:               | <u>Q2869</u>                        |
| Instrument ID:      | <u>MSVOA_X</u>    | Calibration Date/Time: | <u>08/19/2025</u> <u>09:37</u>      |
| Lab File ID:        | <u>VX047400.D</u> | Init. Calib. Date(s):  | <u>08/15/2025</u> <u>08/15/2025</u> |
| Heated Purge: (Y/N) | <u>N</u>          | Init. Calib. Time(s):  | <u>09:40</u> <u>12:30</u>           |
| GC Column:          | <u>DB-624UI</u>   | ID:                    | <u>0.18</u> (mm)                    |

| COMPOUND               | RRF   | RRF050 | MIN<br>RRF | %D     | MAX%D |
|------------------------|-------|--------|------------|--------|-------|
| Vinyl Chloride         | 0.720 | 0.658  |            | -8.61  | 20    |
| 1,1-Dichloroethene     | 0.630 | 0.596  |            | -5.4   | 20    |
| 1,1-Dichloroethane     | 1.222 | 1.251  | 0.1        | 2.37   | 20    |
| cis-1,2-Dichloroethene | 0.778 | 0.806  |            | 3.6    | 20    |
| 1,1,1-Trichloroethane  | 1.073 | 1.041  |            | -2.98  | 20    |
| Benzene                | 1.533 | 1.493  |            | -2.61  | 20    |
| 1,2-Dichloroethane     | 0.543 | 0.561  |            | 3.32   | 20    |
| Trichloroethene        | 0.393 | 0.360  |            | -8.4   | 20    |
| 1,1,2-Trichloroethane  | 0.360 | 0.376  |            | 4.44   | 20    |
| Tetrachloroethene      | 0.362 | 0.319  |            | -11.88 | 20    |
| 1,2-Dichloroethane-d4  | 0.700 | 0.805  |            | 15     | 20    |
| Dibromofluoromethane   | 0.325 | 0.344  |            | 5.85   | 20    |
| Toluene-d8             | 1.160 | 1.173  |            | 1.12   | 20    |
| 4-Bromofluorobenzene   | 0.428 | 0.455  |            | 6.31   | 20    |

All other compounds must meet a minimum RRF of 0.010.  
RRF of 1,4-Dioxane = Value should be divide by 1000.

VOLATILE CONTINUING CALIBRATION CHECK

|                     |                   |                        |                                     |
|---------------------|-------------------|------------------------|-------------------------------------|
| Lab Name:           | <u>Alliance</u>   | Contract:              | <u>JAC005</u>                       |
| Lab Code:           | <u>ACE</u>        | SDG No.:               | <u>Q2869</u>                        |
| Instrument ID:      | <u>MSVOA_X</u>    | Calibration Date/Time: | <u>08/21/2025</u> <u>09:35</u>      |
| Lab File ID:        | <u>VX047455.D</u> | Init. Calib. Date(s):  | <u>08/15/2025</u> <u>08/15/2025</u> |
| Heated Purge: (Y/N) | <u>N</u>          | Init. Calib. Time(s):  | <u>09:40</u> <u>12:30</u>           |
| GC Column:          | <u>DB-624UI</u>   | ID:                    | <u>0.18</u> (mm)                    |

| COMPOUND               | RRF   | RRF050 | MIN<br>RRF | %D    | MAX%D |
|------------------------|-------|--------|------------|-------|-------|
| Vinyl Chloride         | 0.720 | 0.680  |            | -5.56 | 20    |
| 1,1-Dichloroethene     | 0.630 | 0.604  |            | -4.13 | 20    |
| 1,1-Dichloroethane     | 1.222 | 1.230  | 0.1        | 0.65  | 20    |
| cis-1,2-Dichloroethene | 0.778 | 0.772  |            | -0.77 | 20    |
| 1,1,1-Trichloroethane  | 1.073 | 1.042  |            | -2.89 | 20    |
| Benzene                | 1.533 | 1.480  |            | -3.46 | 20    |
| 1,2-Dichloroethane     | 0.543 | 0.540  |            | -0.55 | 20    |
| Trichloroethene        | 0.393 | 0.363  |            | -7.63 | 20    |
| 1,1,2-Trichloroethane  | 0.360 | 0.356  |            | -1.11 | 20    |
| Tetrachloroethene      | 0.362 | 0.340  |            | -6.08 | 20    |
| 1,2-Dichloroethane-d4  | 0.700 | 0.705  |            | 0.71  | 20    |
| Dibromofluoromethane   | 0.325 | 0.317  |            | -2.46 | 20    |
| Toluene-d8             | 1.160 | 1.105  |            | -4.74 | 20    |
| 4-Bromofluorobenzene   | 0.428 | 0.421  |            | -1.64 | 20    |

All other compounds must meet a minimum RRF of 0.010.  
RRF of 1,4-Dioxane = Value should be divide by 1000.



# SAMPLE RAW DATA

A

B

C

D

E

F

G

H

I

J

5

A

B

C

D

E

F

G

H

I

J

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX081925\  
 Data File : VX047421.D  
 Acq On : 19 Aug 2025 18:22  
 Operator : JC/MD  
 Sample : Q2869-01 100X  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-19B-71.5-081325

Quant Time: Aug 20 01:31:20 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X081525W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Aug 18 04:18:28 2025  
 Response via : Initial Calibration

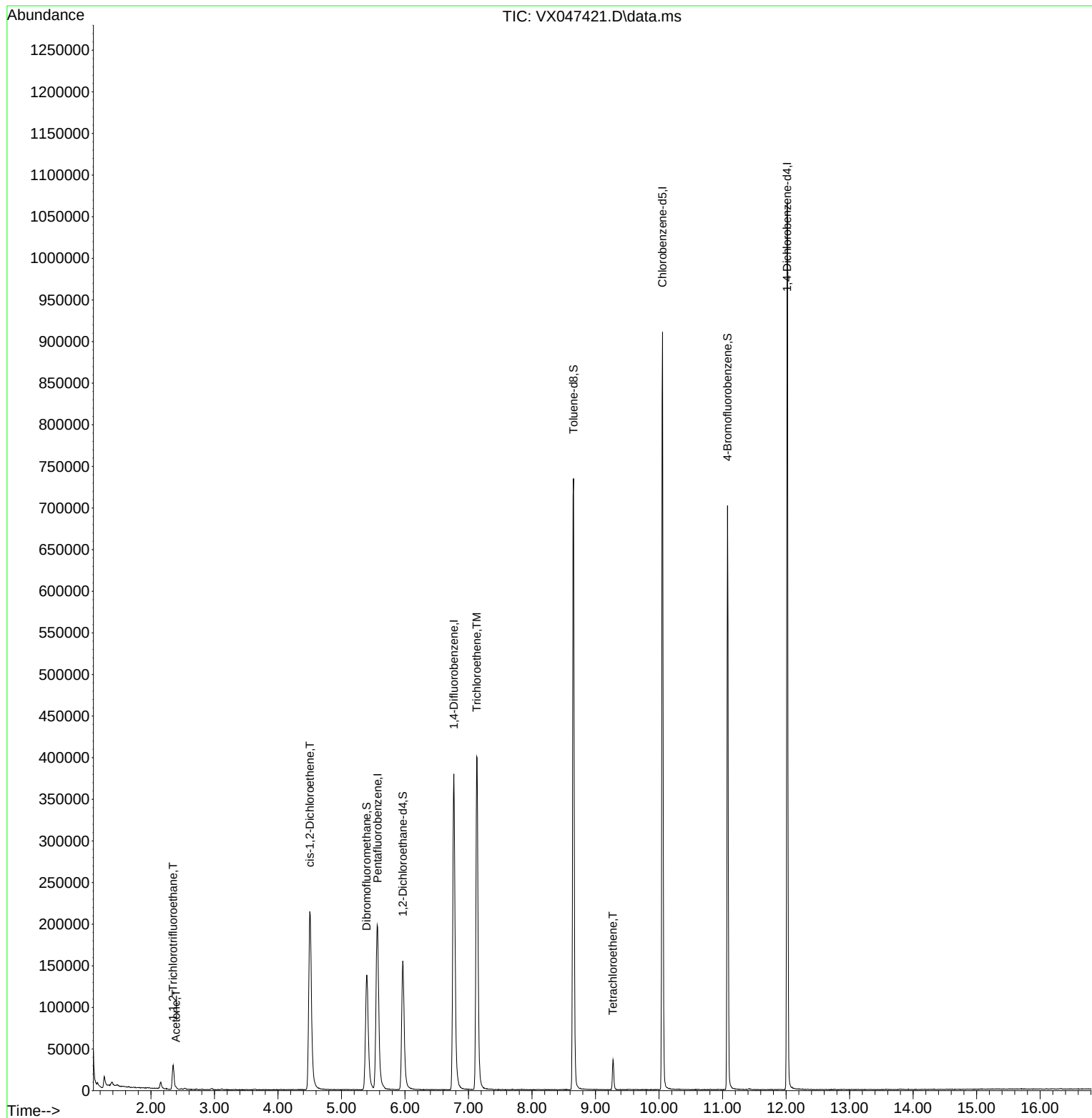
| Compound                     | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|------------------------------|--------|-------|----------|----------|--------|----------|
| -----                        |        |       |          |          |        |          |
| Internal Standards           |        |       |          |          |        |          |
| 1) Pentafluorobenzene        | 5.568  | 168   | 199878   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.769  | 114   | 404740   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.055 | 117   | 406772   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.018 | 152   | 210685   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds  |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.964  | 65    | 161847   | 57.857   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 78 - 117 | Recovery | =      | 115.720% |
| 35) Dibromofluoromethane     | 5.397  | 113   | 132697   | 50.517   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 75 - 124 | Recovery | =      | 101.040% |
| 50) Toluene-d8               | 8.653  | 98    | 463512   | 49.368   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 92 - 112 | Recovery | =      | 98.740%  |
| 62) 4-Bromofluorobenzene     | 11.079 | 95    | 190416   | 54.959   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 83 - 123 | Recovery | =      | 109.920% |
| Target Compounds             |        |       |          |          |        |          |
|                              |        |       |          |          | Qvalue |          |
| 9) 1,1,2-Trichlorotrifluo... | 2.349  | 101   | 12950    | 5.246    | ug/l   | 98       |
| 16) Acetone                  | 2.392  | 43    | 2004     | 1.906    | ug/l # | 84       |
| 27) cis-1,2-Dichloroethene   | 4.501  | 96    | 151907   | 48.828   | ug/l   | 90       |
| 44) Trichloroethene          | 7.129  | 130   | 170320   | 53.593   | ug/l   | 100      |
| 64) Tetrachloroethene        | 9.275  | 164   | 7149     | 2.430    | ug/l   | 95       |
| -----                        |        |       |          |          |        |          |

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

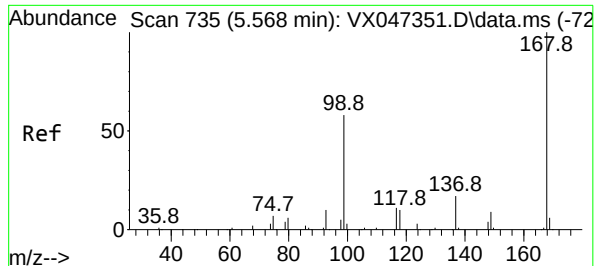
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Data File : VX047421.D  
Acq On : 19 Aug 2025 18:22  
Operator : JC/MD  
Sample : Q2869-01 100X  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-19B-71.5-081325

Quant Time: Aug 20 01:31:20 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X081525W.M  
Quant Title : SW846 8260  
QLast Update : Mon Aug 18 04:18:28 2025  
Response via : Initial Calibration





#1  
Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.568 min Scan# 71

Delta R.T. 0.000 min

Lab File: VX047421.D

Acq: 19 Aug 2025 18:22

Instrument :

MSVOA\_X

ClientSampleId :

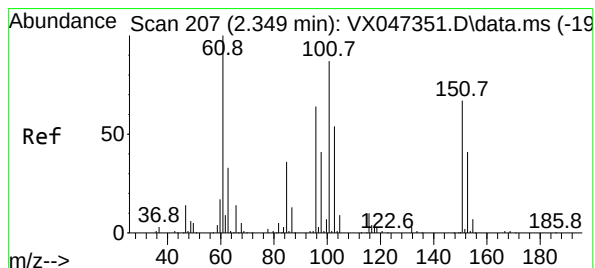
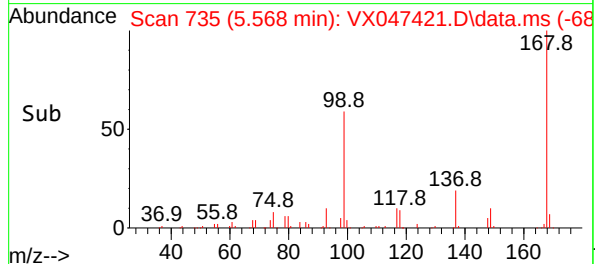
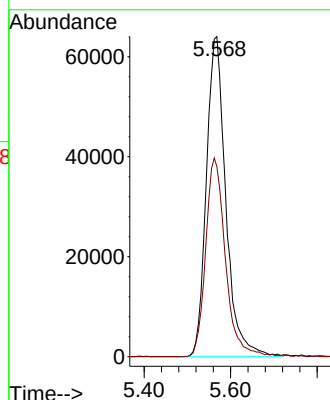
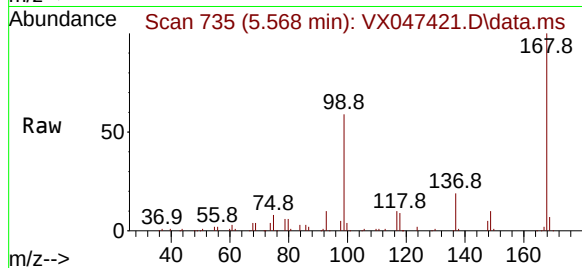
MW-19B-71.5-081325

Tgt Ion:168 Resp: 199878

Ion Ratio Lower Upper

168 100

99 59.5 47.9 71.9



#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.246 ug/l

RT: 2.349 min Scan# 207

Delta R.T. 0.000 min

Lab File: VX047421.D

Acq: 19 Aug 2025 18:22

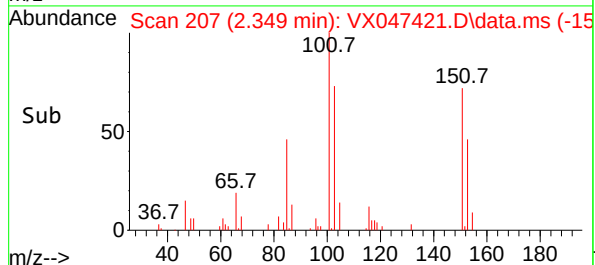
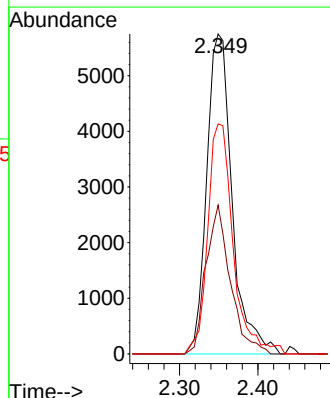
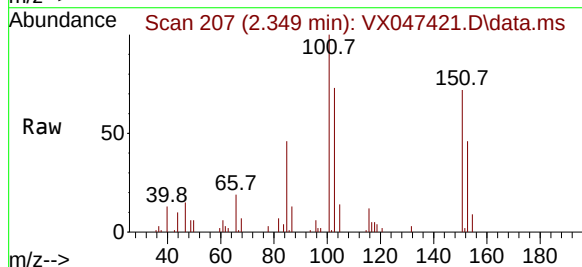
Tgt Ion:101 Resp: 12950

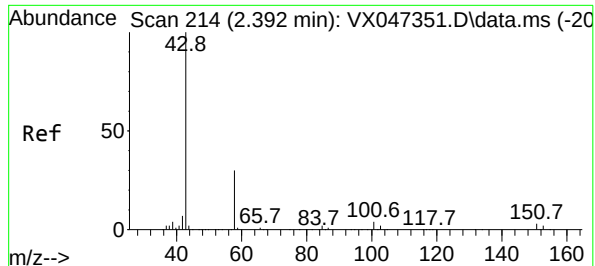
Ion Ratio Lower Upper

101 100

85 44.8 34.3 51.5

151 72.1 59.2 88.8





#16

Acetone

Concen: 1.906 ug/l

RT: 2.392 min Scan# 214

Delta R.T. 0.000 min

Lab File: VX047421.D

Acq: 19 Aug 2025 18:22

Instrument :

MSVOA\_X

ClientSampleId :

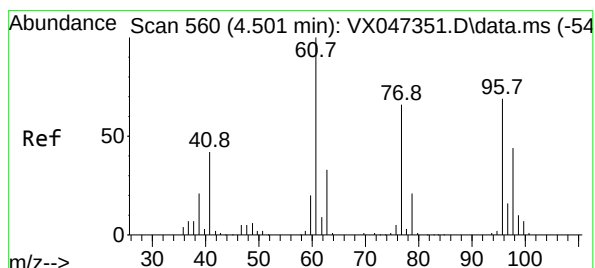
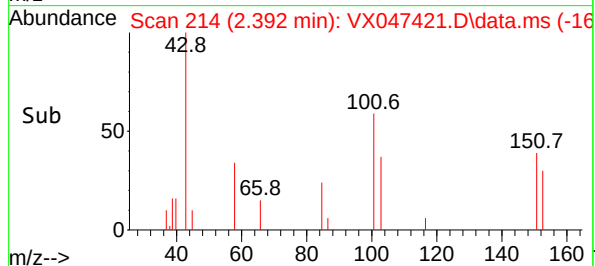
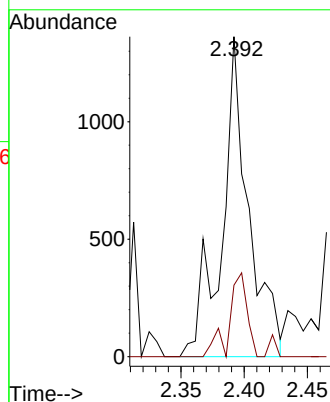
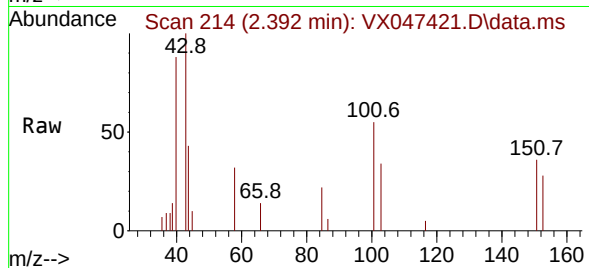
MW-19B-71.5-081325

Tgt Ion: 43 Resp: 2004

Ion Ratio Lower Upper

43 100

58 22.3 24.8 37.2#



#27

cis-1,2-Dichloroethene

Concen: 48.828 ug/l

RT: 4.501 min Scan# 560

Delta R.T. 0.000 min

Lab File: VX047421.D

Acq: 19 Aug 2025 18:22

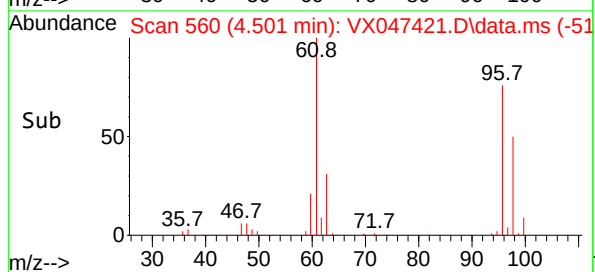
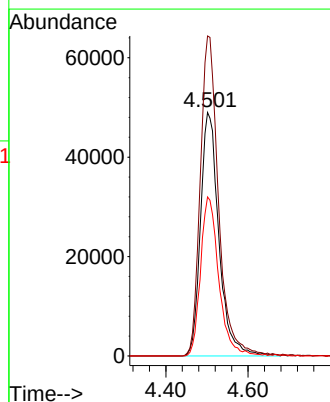
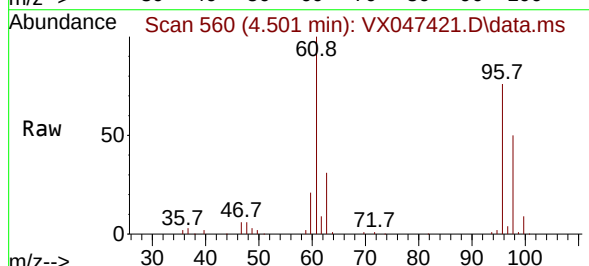
Tgt Ion: 96 Resp: 151907

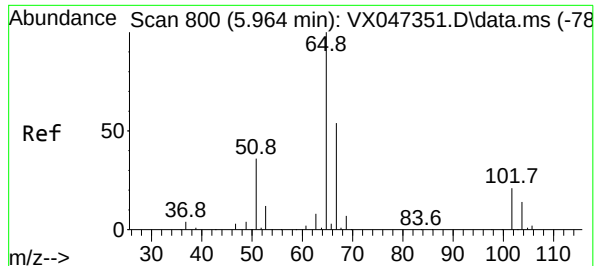
Ion Ratio Lower Upper

96 100

61 130.7 0.0 296.6

98 64.8 0.0 130.4





#33

1,2-Dichloroethane-d4

Concen: 57.857 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

Lab File: VX047421.D

Acq: 19 Aug 2025 18:22

Instrument :

MSVOA\_X

ClientSampleId :

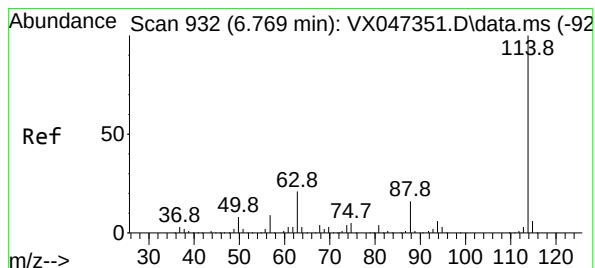
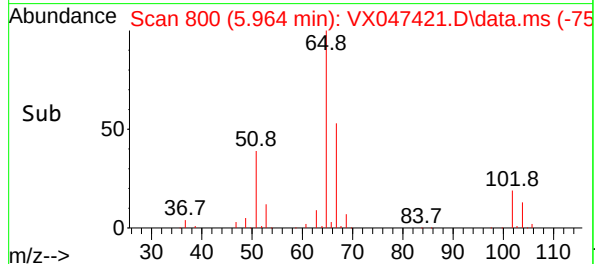
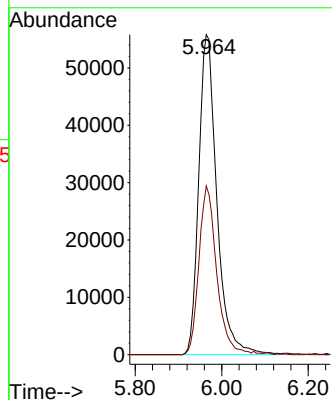
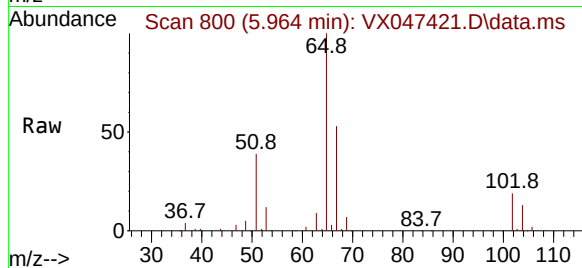
MW-19B-71.5-081325

Tgt Ion: 65 Resp: 161847

Ion Ratio Lower Upper

65 100

67 51.7 0.0 106.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.000 min

Lab File: VX047421.D

Acq: 19 Aug 2025 18:22

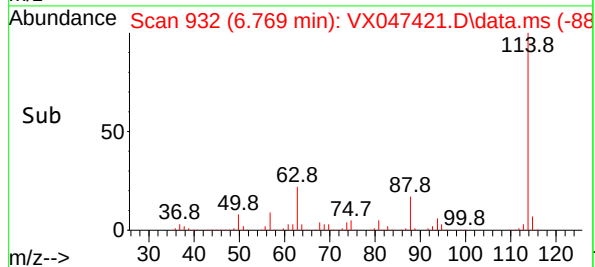
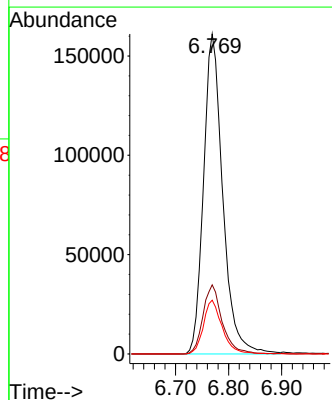
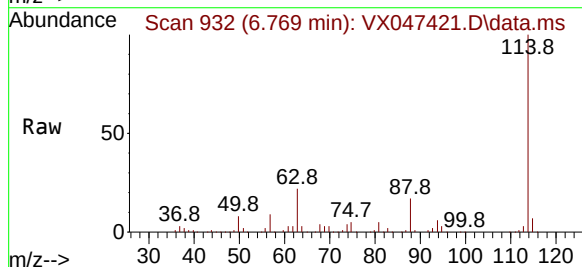
Tgt Ion: 114 Resp: 404740

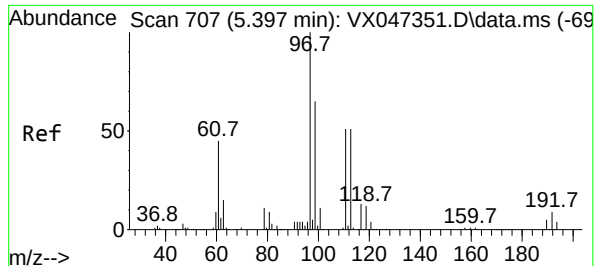
Ion Ratio Lower Upper

114 100

63 21.6 0.0 42.4

88 16.8 0.0 33.0





#35

Dibromofluoromethane

Concen: 50.517 ug/l

RT: 5.397 min Scan# 707

Delta R.T. 0.000 min

Lab File: VX047421.D

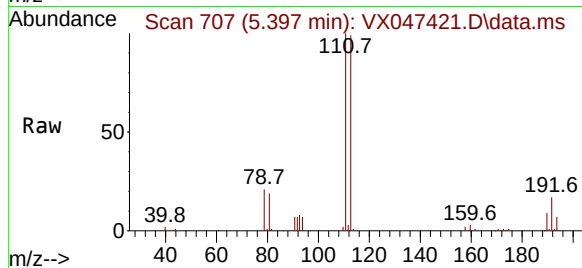
Acq: 19 Aug 2025 18:22

Instrument :

MSVOA\_X

ClientSampleId :

MW-19B-71.5-081325



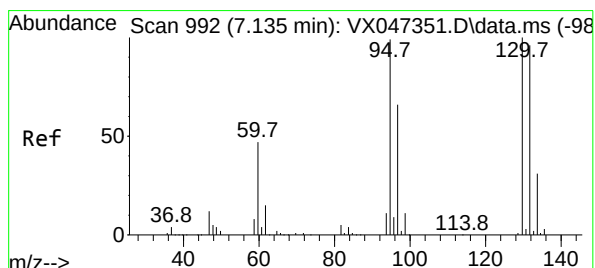
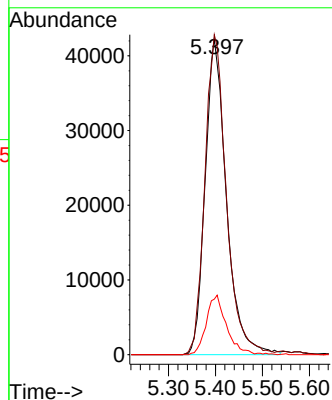
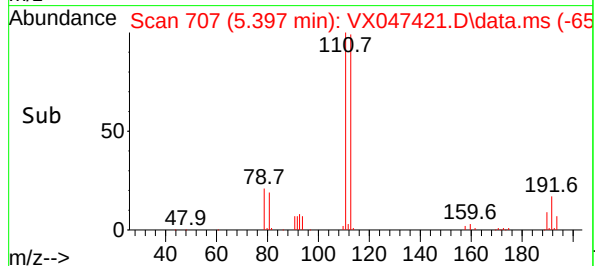
Tgt Ion:113 Resp: 132697

Ion Ratio Lower Upper

113 100

111 102.3 81.4 122.2

192 18.0 14.1 21.1



#44

Trichloroethene

Concen: 53.593 ug/l

RT: 7.129 min Scan# 991

Delta R.T. -0.006 min

Lab File: VX047421.D

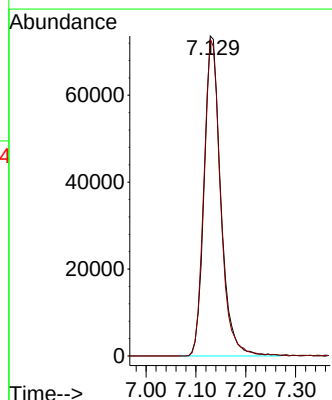
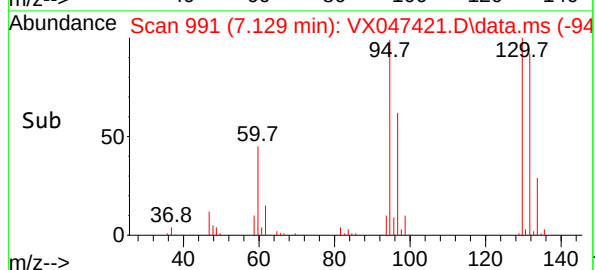
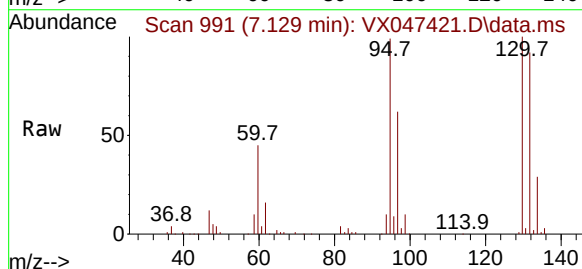
Acq: 19 Aug 2025 18:22

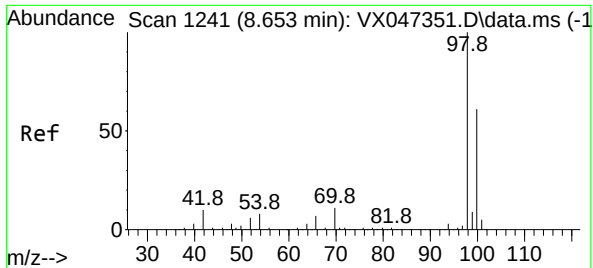
Tgt Ion:130 Resp: 170320

Ion Ratio Lower Upper

130 100

95 99.0 0.0 198.6





#50

Toluene-d8

Concen: 49.368 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.000 min

Lab File: VX047421.D

Acq: 19 Aug 2025 18:22

Instrument :

MSVOA\_X

ClientSampleId :

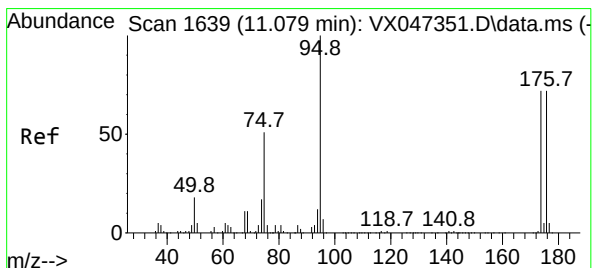
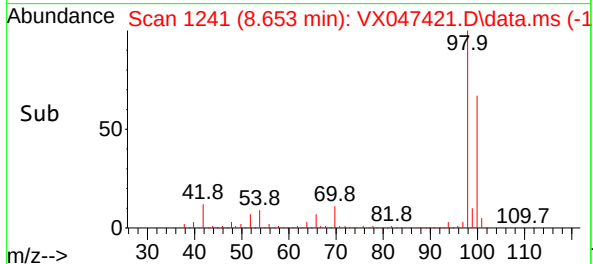
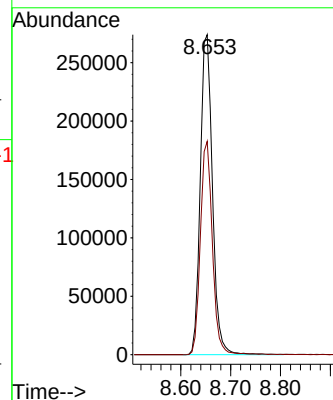
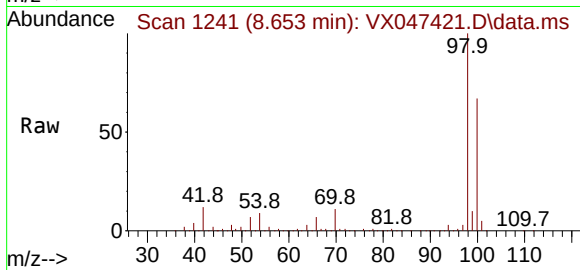
MW-19B-71.5-081325

Tgt Ion: 98 Resp: 463512

Ion Ratio Lower Upper

98 100

100 65.8 53.9 80.9



#62

4-Bromofluorobenzene

Concen: 54.959 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX047421.D

Acq: 19 Aug 2025 18:22

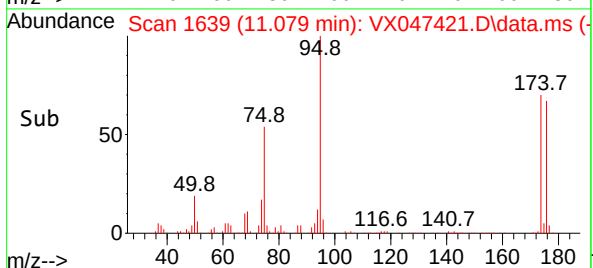
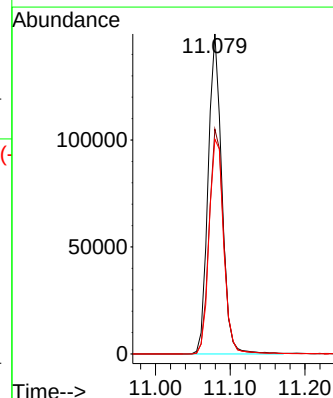
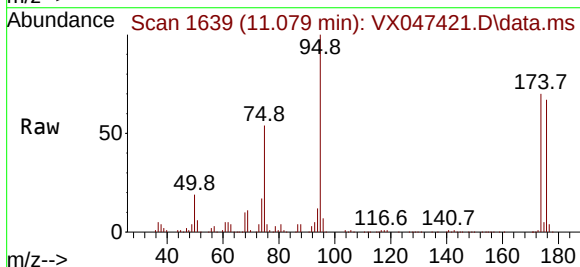
Tgt Ion: 95 Resp: 190416

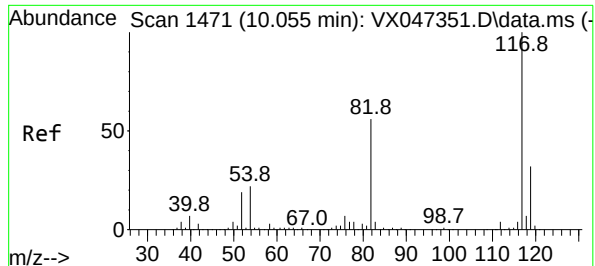
Ion Ratio Lower Upper

95 100

174 74.5 0.0 148.0

176 71.8 0.0 145.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX047421.D

Acq: 19 Aug 2025 18:22

Instrument :

MSVOA\_X

ClientSampleId :

MW-19B-71.5-081325

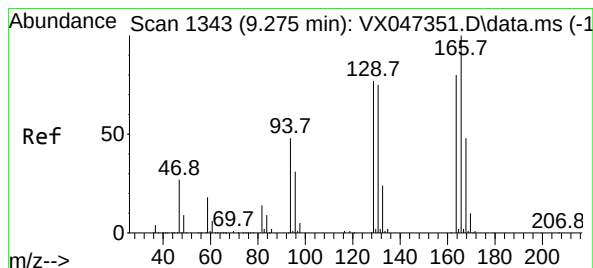
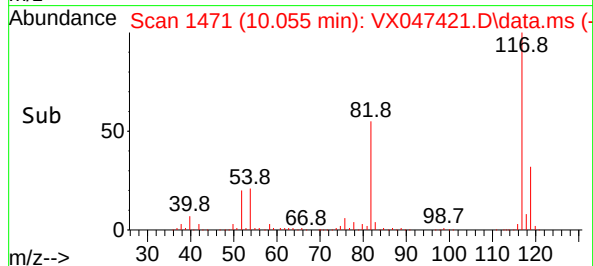
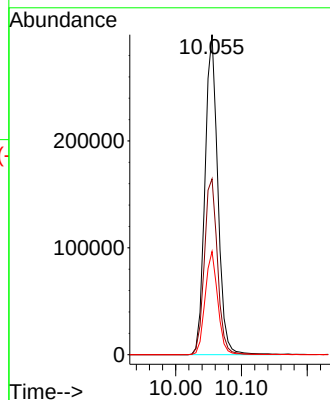
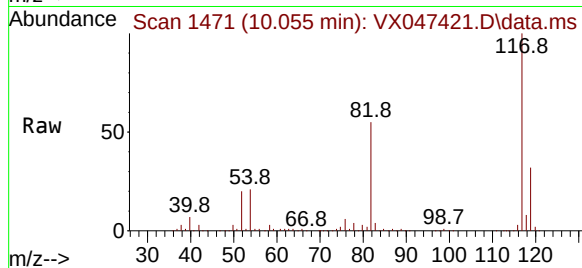
Tgt Ion:117 Resp: 406772

Ion Ratio Lower Upper

117 100

82 55.0 45.0 67.4

119 32.2 25.8 38.8



#64

Tetrachloroethene

Concen: 2.430 ug/l

RT: 9.275 min Scan# 1343

Delta R.T. 0.000 min

Lab File: VX047421.D

Acq: 19 Aug 2025 18:22

Tgt Ion:164 Resp: 7149

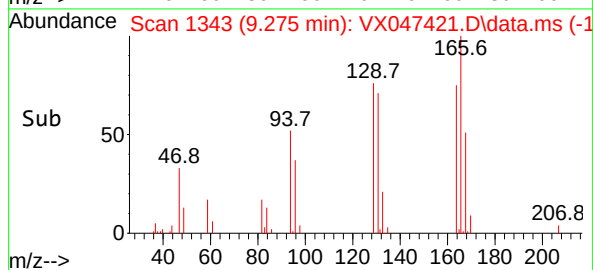
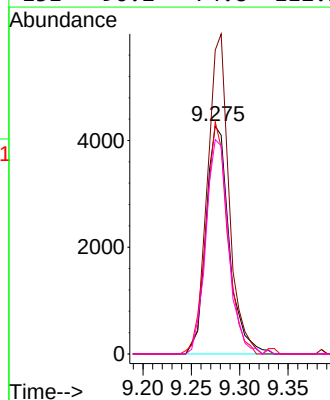
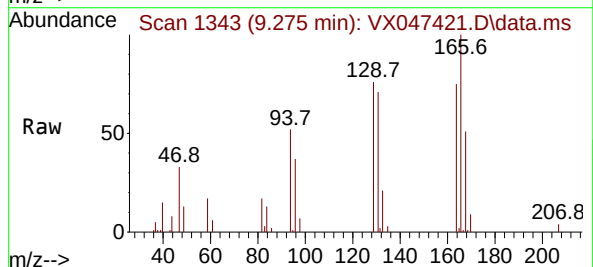
Ion Ratio Lower Upper

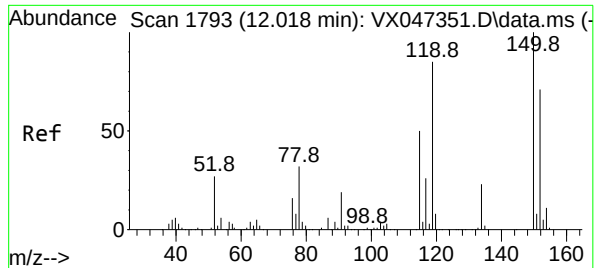
164 100

166 133.4 100.3 150.5

129 102.0 77.7 116.5

131 96.2 74.8 112.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX047421.D

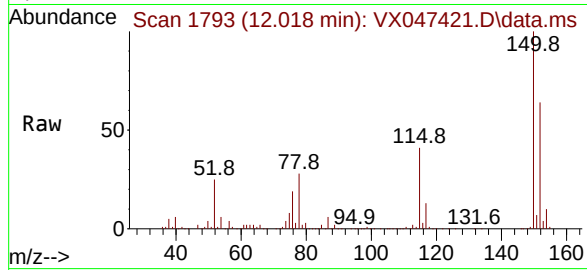
Acq: 19 Aug 2025 18:22

Instrument :

MSVOA\_X

ClientSampleId :

MW-19B-71.5-081325



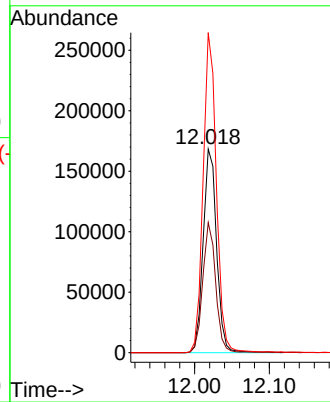
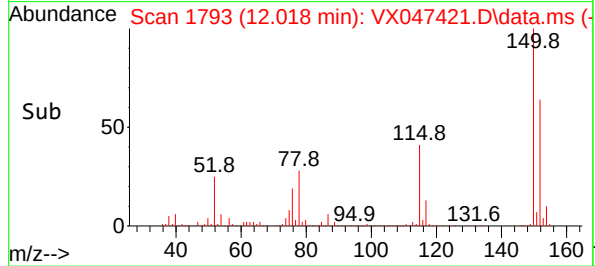
Tgt Ion:152 Resp: 210685

Ion Ratio Lower Upper

152 100

115 61.9 44.6 133.8

150 154.1 0.0 349.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX082125\  
 Data File : VX047462.D  
 Acq On : 21 Aug 2025 12:22  
 Operator : JC/MD  
 Sample : Q2869-03  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-01-6.5-081325

Quant Time: Aug 22 03:43:23 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X081525W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Aug 18 04:18:28 2025  
 Response via : Initial Calibration

| Compound                     | R.T. QIon |       | Response | Conc     | Units       | Dev(Min) |
|------------------------------|-----------|-------|----------|----------|-------------|----------|
| -----                        |           |       |          |          |             |          |
| Internal Standards           |           |       |          |          |             |          |
| 1) Pentafluorobenzene        | 5.568     | 168   | 206081   | 50.000   | ug/l        | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.769     | 114   | 418758   | 50.000   | ug/l        | 0.00     |
| 63) Chlorobenzene-d5         | 10.055    | 117   | 421107   | 50.000   | ug/l        | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.018    | 152   | 214194   | 50.000   | ug/l        | 0.00     |
| System Monitoring Compounds  |           |       |          |          |             |          |
| 33) 1,2-Dichloroethane-d4    | 5.964     | 65    | 172517   | 59.815   | ug/l        | 0.00     |
| Spiked Amount                | 50.000    | Range | 78 - 117 | Recovery | = 119.640%# |          |
| 35) Dibromofluoromethane     | 5.397     | 113   | 137805   | 50.705   | ug/l        | 0.00     |
| Spiked Amount                | 50.000    | Range | 75 - 124 | Recovery | = 101.420%  |          |
| 50) Toluene-d8               | 8.653     | 98    | 473569   | 48.751   | ug/l        | 0.00     |
| Spiked Amount                | 50.000    | Range | 92 - 112 | Recovery | = 97.500%   |          |
| 62) 4-Bromofluorobenzene     | 11.079    | 95    | 202612   | 56.522   | ug/l        | 0.00     |
| Spiked Amount                | 50.000    | Range | 83 - 123 | Recovery | = 113.040%  |          |
| Target Compounds             |           |       |          |          |             |          |
|                              |           |       |          |          | Qvalue      |          |
| 3) Chloromethane             | 1.313     | 50    | 685      | 0.290    | ug/l        | 97       |
| 9) 1,1,2-Trichlorotrifluo... | 2.361     | 101   | 770      | 0.303    | ug/l        | 89       |
| 16) Acetone                  | 2.398     | 43    | 4044     | 3.730    | ug/l #      | 79       |
| 27) cis-1,2-Dichloroethene   | 4.501     | 96    | 45426    | 14.162   | ug/l        | 90       |
| 44) Trichloroethene          | 7.129     | 130   | 136522   | 41.520   | ug/l        | 97       |
| 64) Tetrachloroethene        | 9.275     | 164   | 938      | 0.308    | ug/l #      | 82       |
| 95) Naphthalene              | 13.780    | 128   | 6519     | 0.458    | ug/l #      | 93       |
| -----                        |           |       |          |          |             |          |

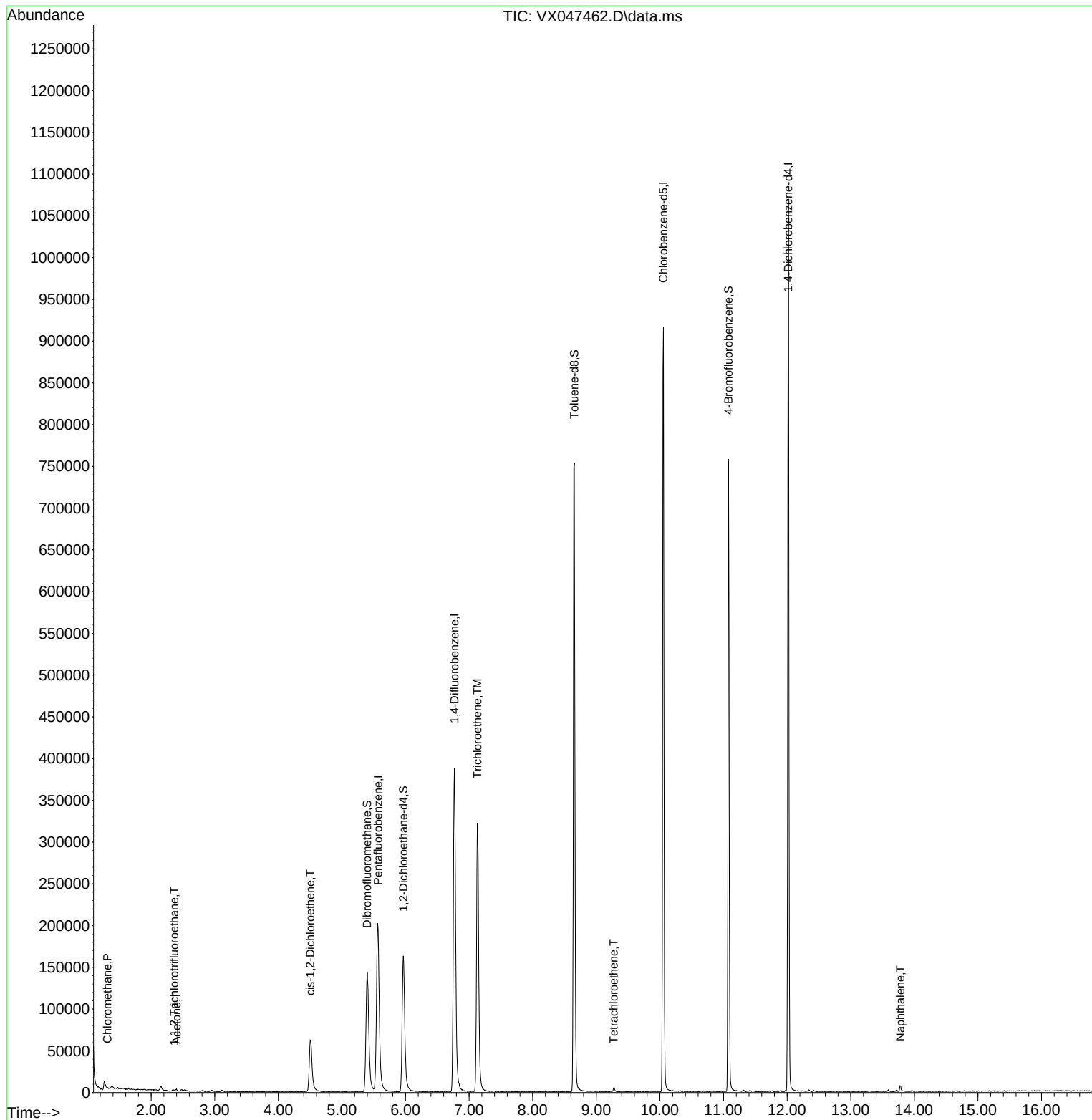
(#) = qualifier out of range (m) = manual integration (+) = signals summed

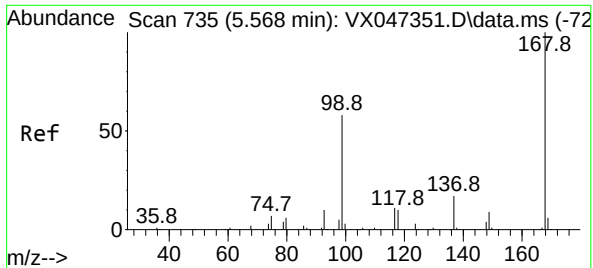


Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX082125\  
Data File : VX047462.D  
Acq On : 21 Aug 2025 12:22  
Operator : JC/MD  
Sample : Q2869-03  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-01-6.5-081325

Quant Time: Aug 22 03:43:23 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X081525W.M  
Quant Title : SW846 8260  
QLast Update : Mon Aug 18 04:18:28 2025  
Response via : Initial Calibration





#1  
Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.568 min Scan# 71

Delta R.T. 0.000 min

Lab File: VX047462.D

Acq: 21 Aug 2025 12:22

Instrument :

MSVOA\_X

ClientSampleId :

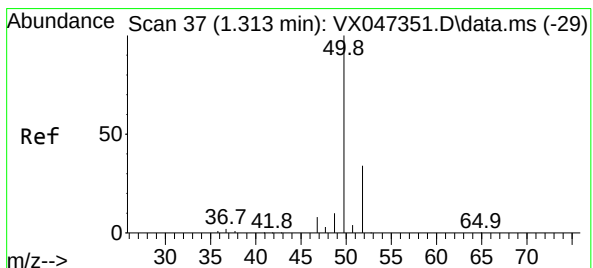
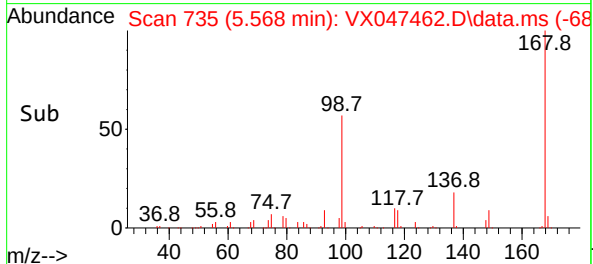
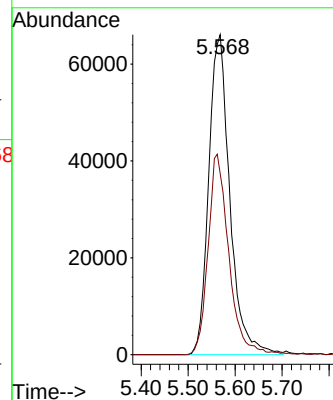
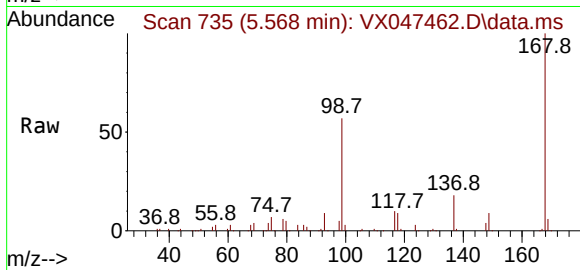
MW-01-6.5-081325

Tgt Ion:168 Resp: 206081

Ion Ratio Lower Upper

168 100

99 56.6 47.9 71.9



#3

Chloromethane

Concen: 0.290 ug/l

RT: 1.313 min Scan# 37

Delta R.T. 0.000 min

Lab File: VX047462.D

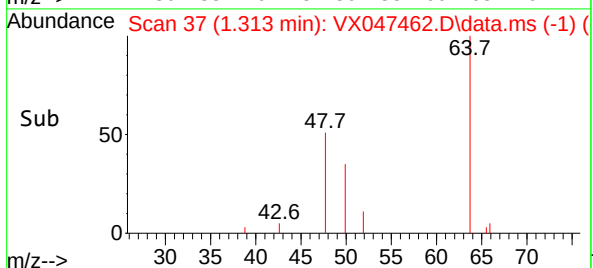
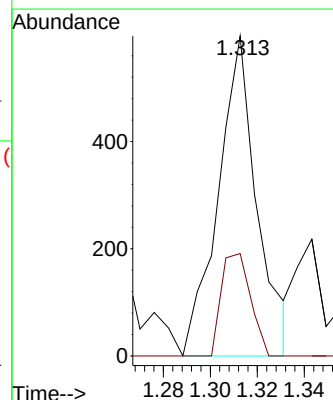
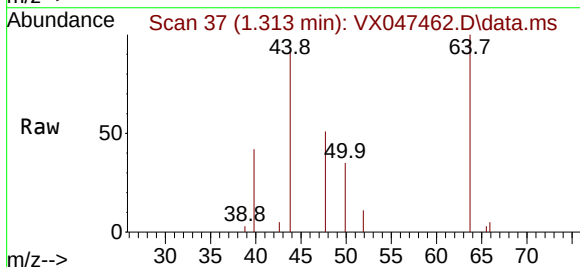
Acq: 21 Aug 2025 12:22

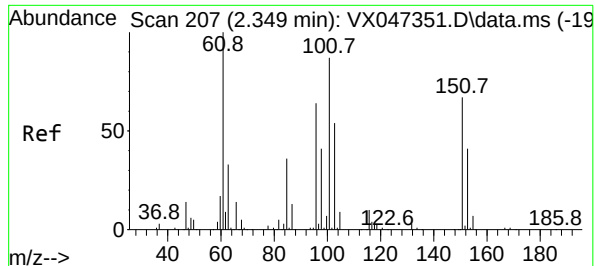
Tgt Ion: 50 Resp: 685

Ion Ratio Lower Upper

50 100

52 32.0 27.0 40.4

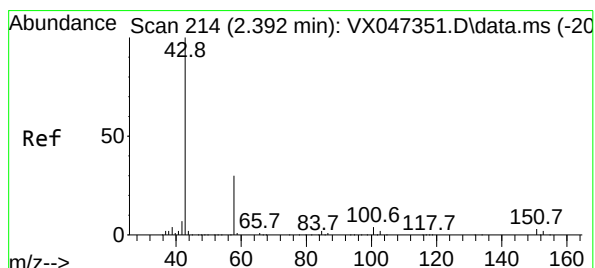
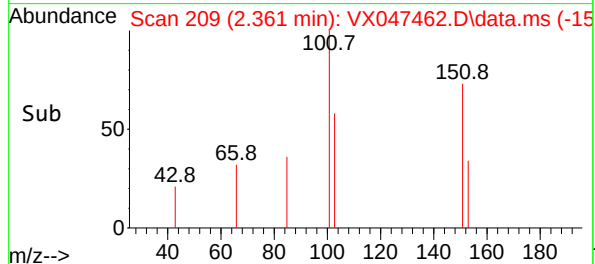
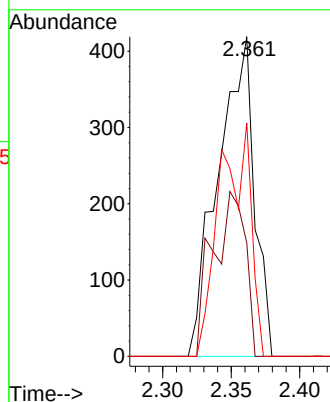
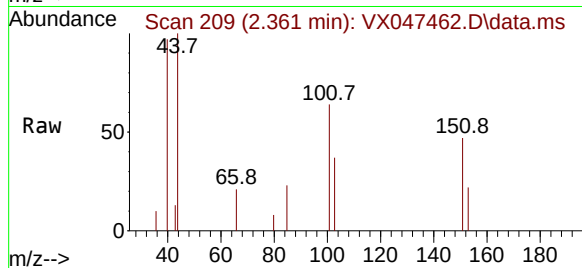




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 0.303 ug/l  
RT: 2.361 min Scan# 207  
Delta R.T. 0.012 min  
Lab File: VX047462.D  
Acq: 21 Aug 2025 12:22

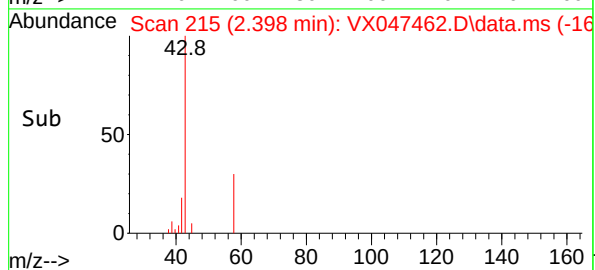
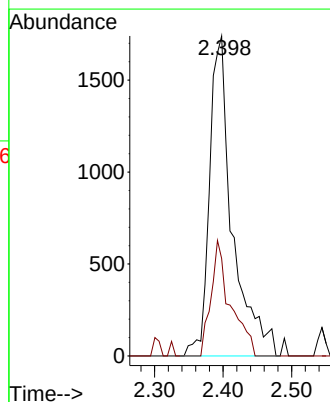
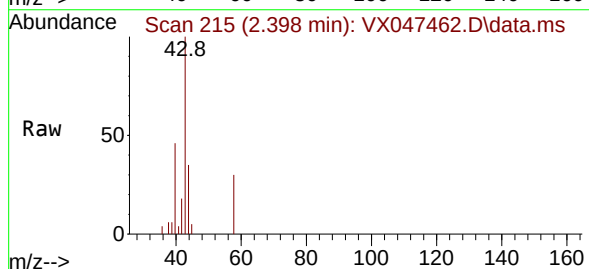
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-01-6.5-081325

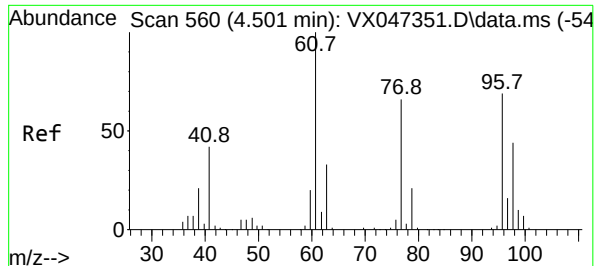
| Tgt Ion   | 101  | Resp | 770  |
|-----------|------|------|------|
| Ion Ratio | 100  |      |      |
| 85        | 46.4 | 34.3 | 51.5 |
| 151       | 62.6 | 59.2 | 88.8 |



#16  
Acetone  
Concen: 3.730 ug/l  
RT: 2.398 min Scan# 215  
Delta R.T. 0.006 min  
Lab File: VX047462.D  
Acq: 21 Aug 2025 12:22

| Tgt Ion                                    | 43   | Resp | 4044  |
|--------------------------------------------|------|------|-------|
| Ion Ratio <td>100</td> <td></td> <td></td> | 100  |      |       |
| 58                                         | 42.4 | 24.8 | 37.2# |





#27

cis-1,2-Dichloroethene

Concen: 14.162 ug/l

RT: 4.501 min Scan# 5

Delta R.T. 0.000 min

Lab File: VX047462.D

Acq: 21 Aug 2025 12:22

Instrument :

MSVOA\_X

ClientSampleId :

MW-01-6.5-081325

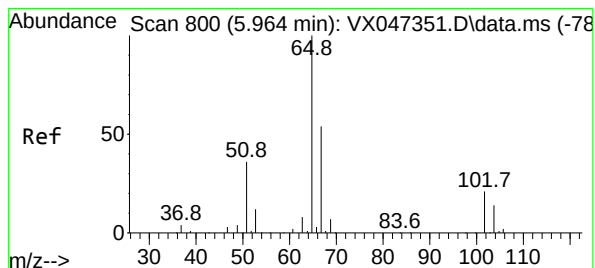
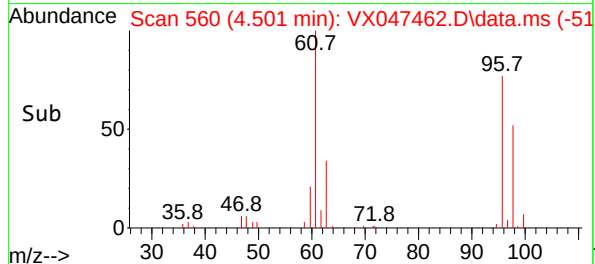
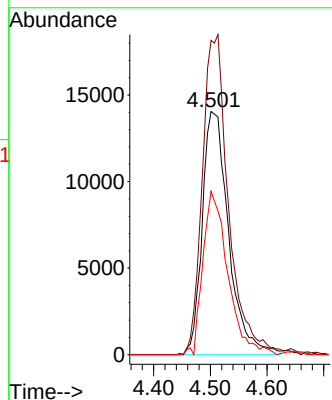
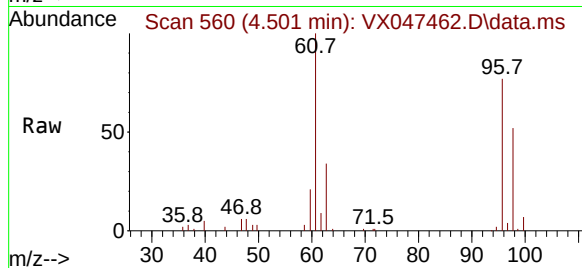
Tgt Ion: 96 Resp: 45426

Ion Ratio Lower Upper

96 100

61 130.6 0.0 296.6

98 63.5 0.0 130.4



#33

1,2-Dichloroethane-d4

Concen: 59.815 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

Lab File: VX047462.D

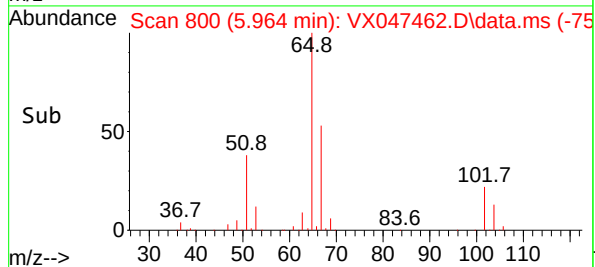
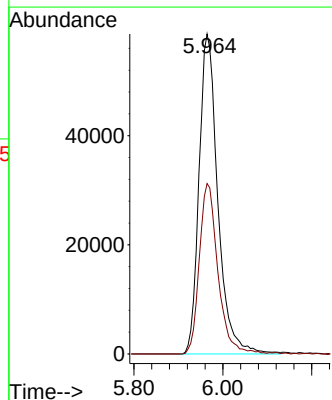
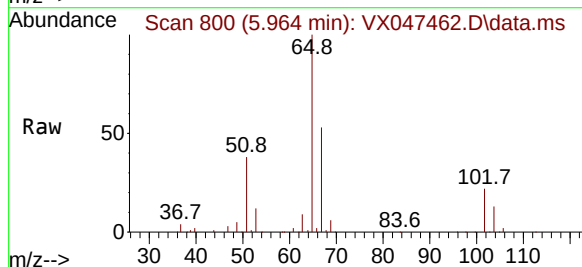
Acq: 21 Aug 2025 12:22

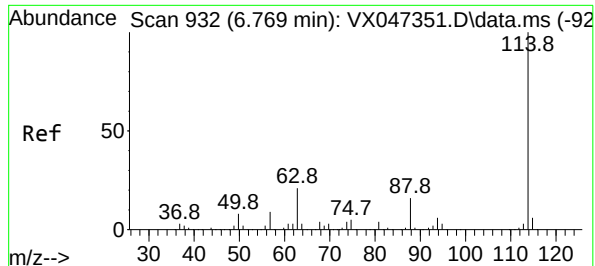
Tgt Ion: 65 Resp: 172517

Ion Ratio Lower Upper

65 100

67 52.6 0.0 106.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 91

Delta R.T. 0.000 min

Lab File: VX047462.D

Acq: 21 Aug 2025 12:22

Instrument :

MSVOA\_X

ClientSampleId :

MW-01-6.5-081325

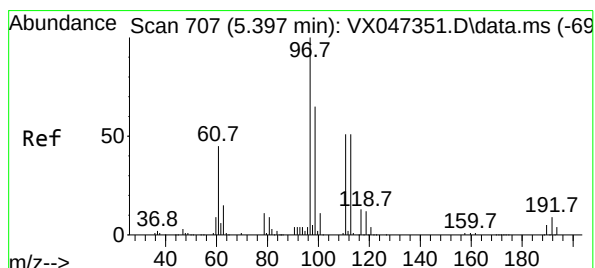
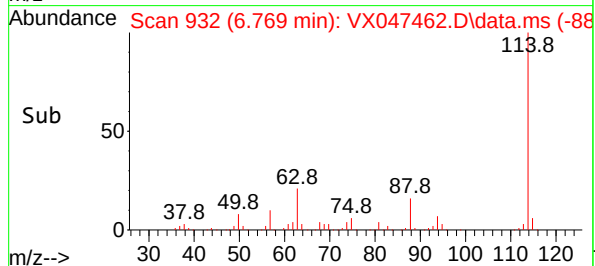
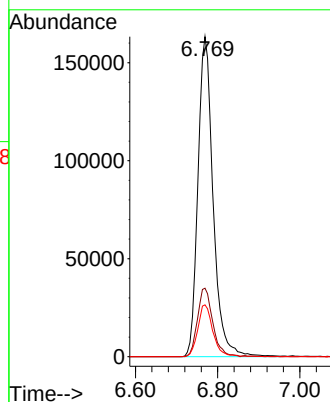
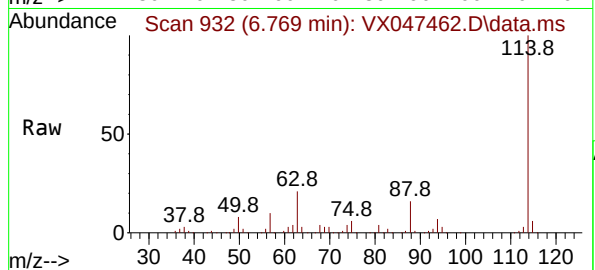
Tgt Ion:114 Resp: 418758

Ion Ratio Lower Upper

114 100

63 21.4 0.0 42.4

88 16.2 0.0 33.0



#35

Dibromofluoromethane

Concen: 50.705 ug/l

RT: 5.397 min Scan# 707

Delta R.T. 0.000 min

Lab File: VX047462.D

Acq: 21 Aug 2025 12:22

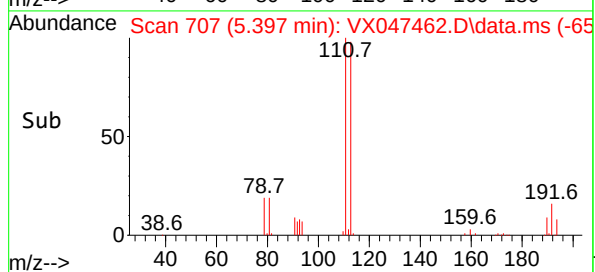
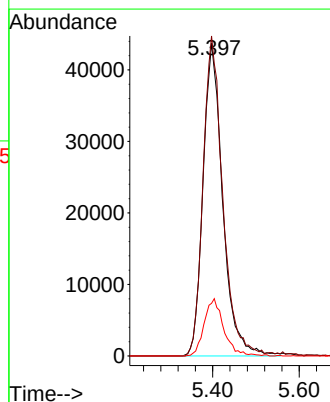
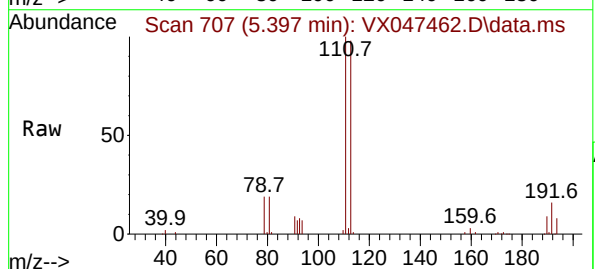
Tgt Ion:113 Resp: 137805

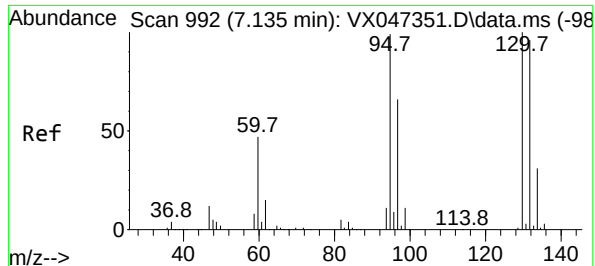
Ion Ratio Lower Upper

113 100

111 102.4 81.4 122.2

192 18.0 14.1 21.1





#44

Trichloroethene

Concen: 41.520 ug/l

RT: 7.129 min Scan# 991

Delta R.T. -0.006 min

Lab File: VX047462.D

Acq: 21 Aug 2025 12:22

Instrument :

MSVOA\_X

ClientSampleId :

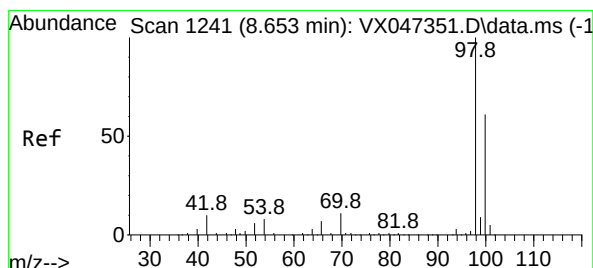
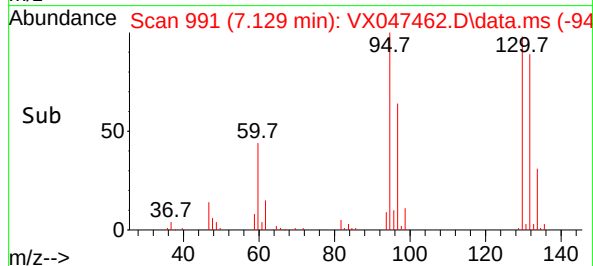
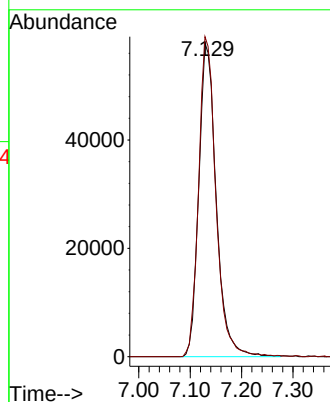
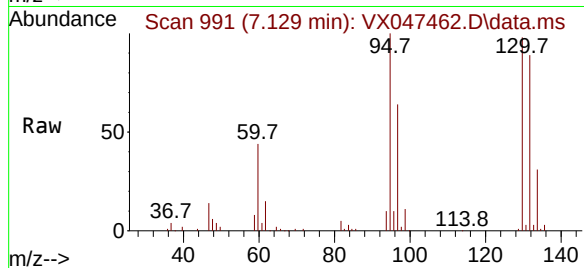
MW-01-6.5-081325

Tgt Ion:130 Resp: 136522

Ion Ratio Lower Upper

130 100

95 102.1 0.0 198.6



#50

Toluene-d8

Concen: 48.751 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.000 min

Lab File: VX047462.D

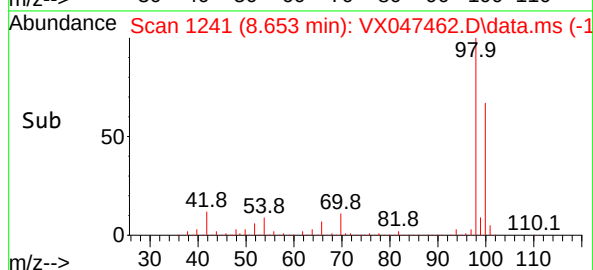
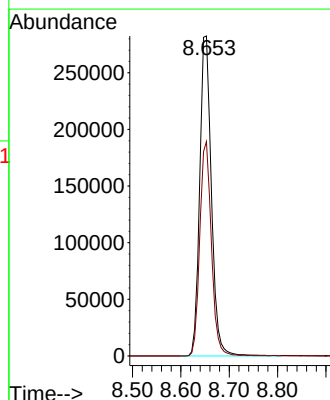
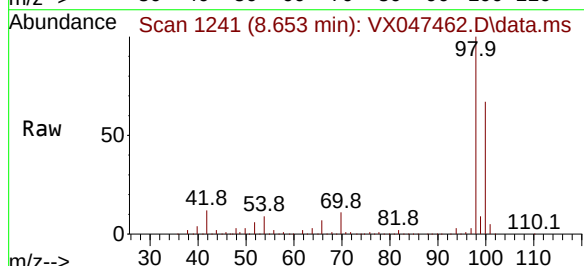
Acq: 21 Aug 2025 12:22

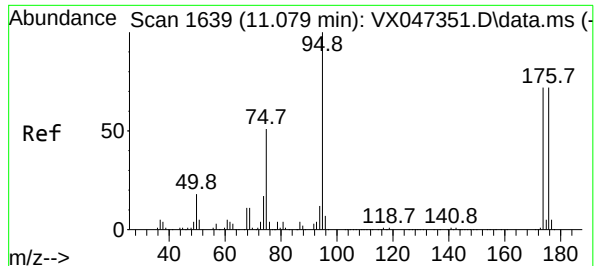
Tgt Ion: 98 Resp: 473569

Ion Ratio Lower Upper

98 100

100 66.5 53.9 80.9

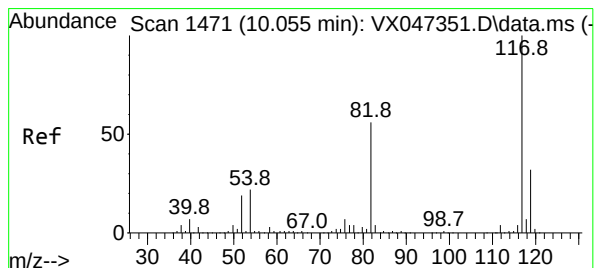
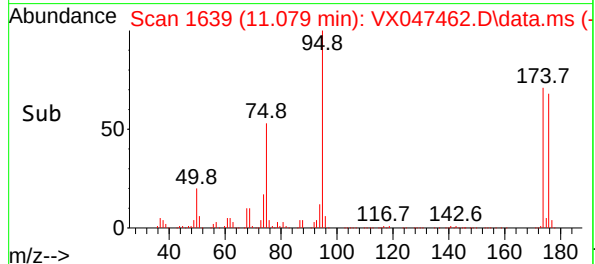
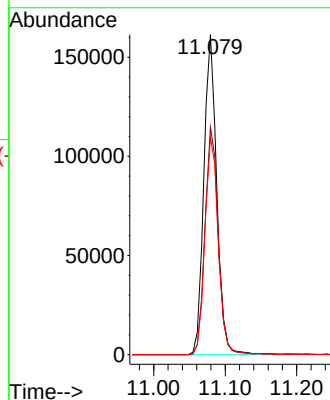
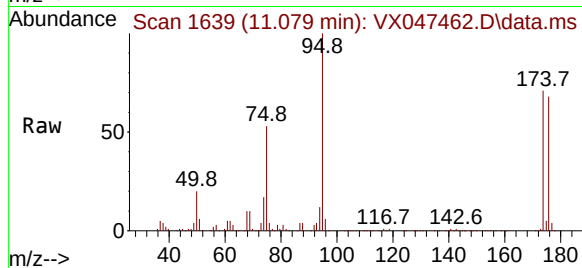




#62  
4-Bromofluorobenzene  
Concen: 56.522 ug/l  
RT: 11.079 min Scan# 1  
Delta R.T. 0.000 min  
Lab File: VX047462.D  
Acq: 21 Aug 2025 12:22

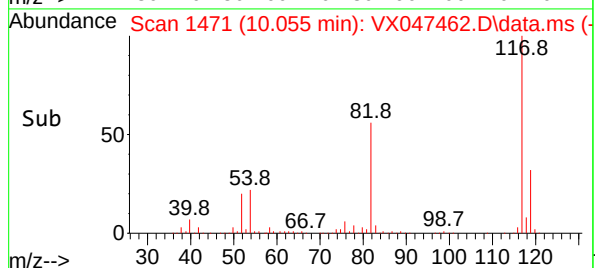
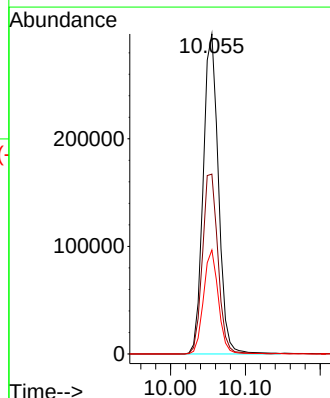
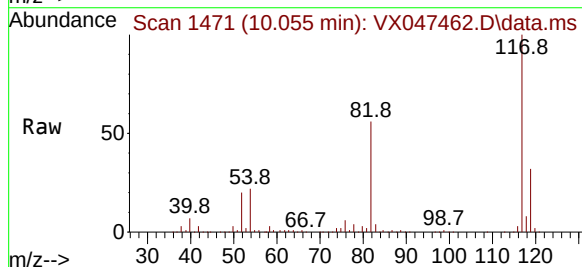
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-01-6.5-081325

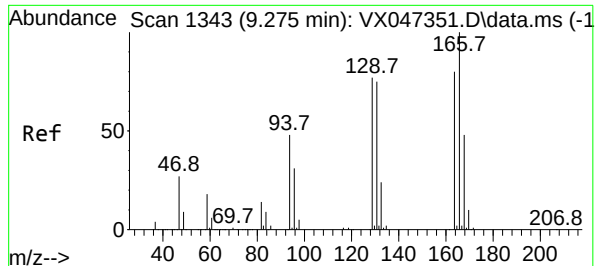
Tgt Ion: 95 Resp: 202612  
Ion Ratio Lower Upper  
95 100  
174 73.5 0.0 148.0  
176 70.5 0.0 145.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX047462.D  
Acq: 21 Aug 2025 12:22

Tgt Ion: 117 Resp: 421107  
Ion Ratio Lower Upper  
117 100  
82 56.2 45.0 67.4  
119 32.5 25.8 38.8





#64

Tetrachloroethene

Concen: 0.308 ug/l

RT: 9.275 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX047462.D

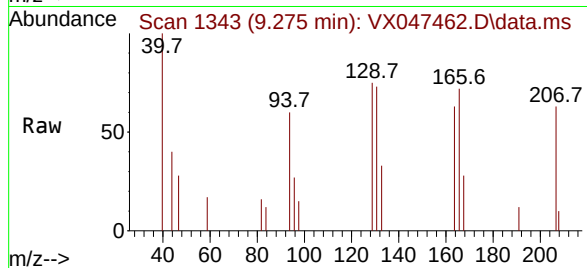
Acq: 21 Aug 2025 12:22

Instrument :

MSVOA\_X

ClientSampleId :

MW-01-6.5-081325



Tgt Ion:164 Resp: 938

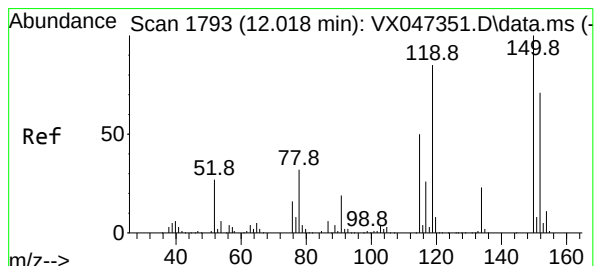
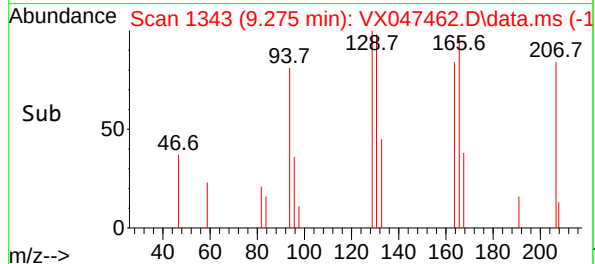
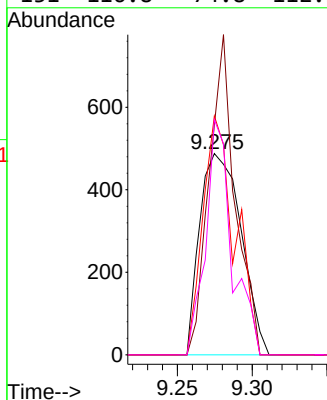
Ion Ratio Lower Upper

164 100

166 113.9 100.3 150.5

129 118.6 77.7 116.5#

131 116.8 74.8 112.2#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VX047462.D

Acq: 21 Aug 2025 12:22

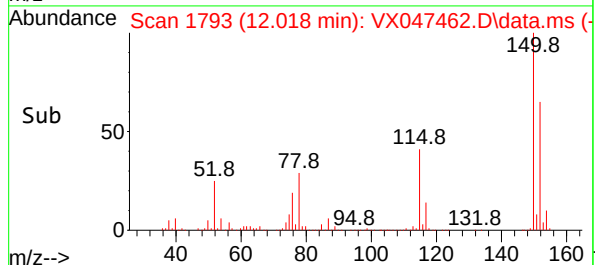
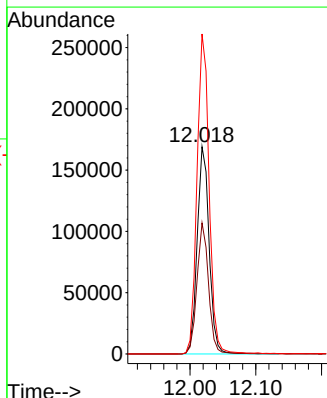
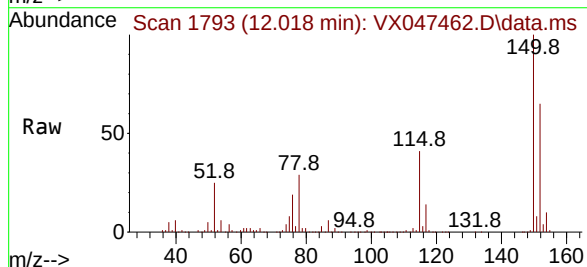
Tgt Ion:152 Resp: 214194

Ion Ratio Lower Upper

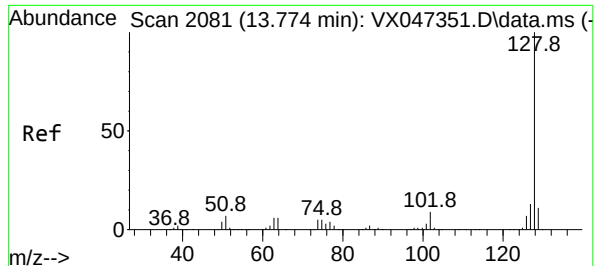
152 100

115 61.5 44.6 133.8

150 156.5 0.0 349.8







#95

Naphthalene

Concen: 0.458 ug/l

RT: 13.780 min Scan# 20

Delta R.T. 0.006 min

Lab File: VX047462.D

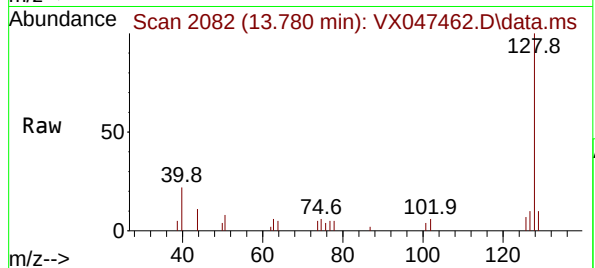
Acq: 21 Aug 2025 12:22

Instrument :

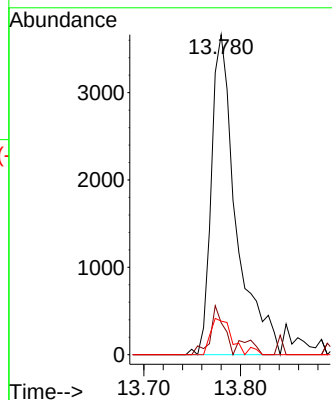
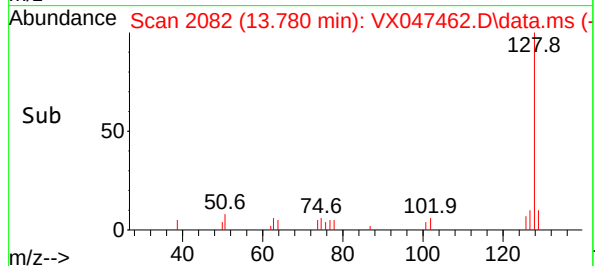
MSVOA\_X

ClientSampleId :

MW-01-6.5-081325



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 6519  |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 127      | 8.3   | 10.1  | 15.1# |
| 129      | 10.0  | 8.7   | 13.1  |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX082125\  
Data File : VX047460.D  
Acq On : 21 Aug 2025 11:39  
Operator : JC/MD  
Sample : Q2869-04 10X  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-11A-13.5-081325

Quant Time: Aug 22 03:42:19 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X081525W.M  
Quant Title : SW846 8260  
QLast Update : Mon Aug 18 04:18:28 2025  
Response via : Initial Calibration

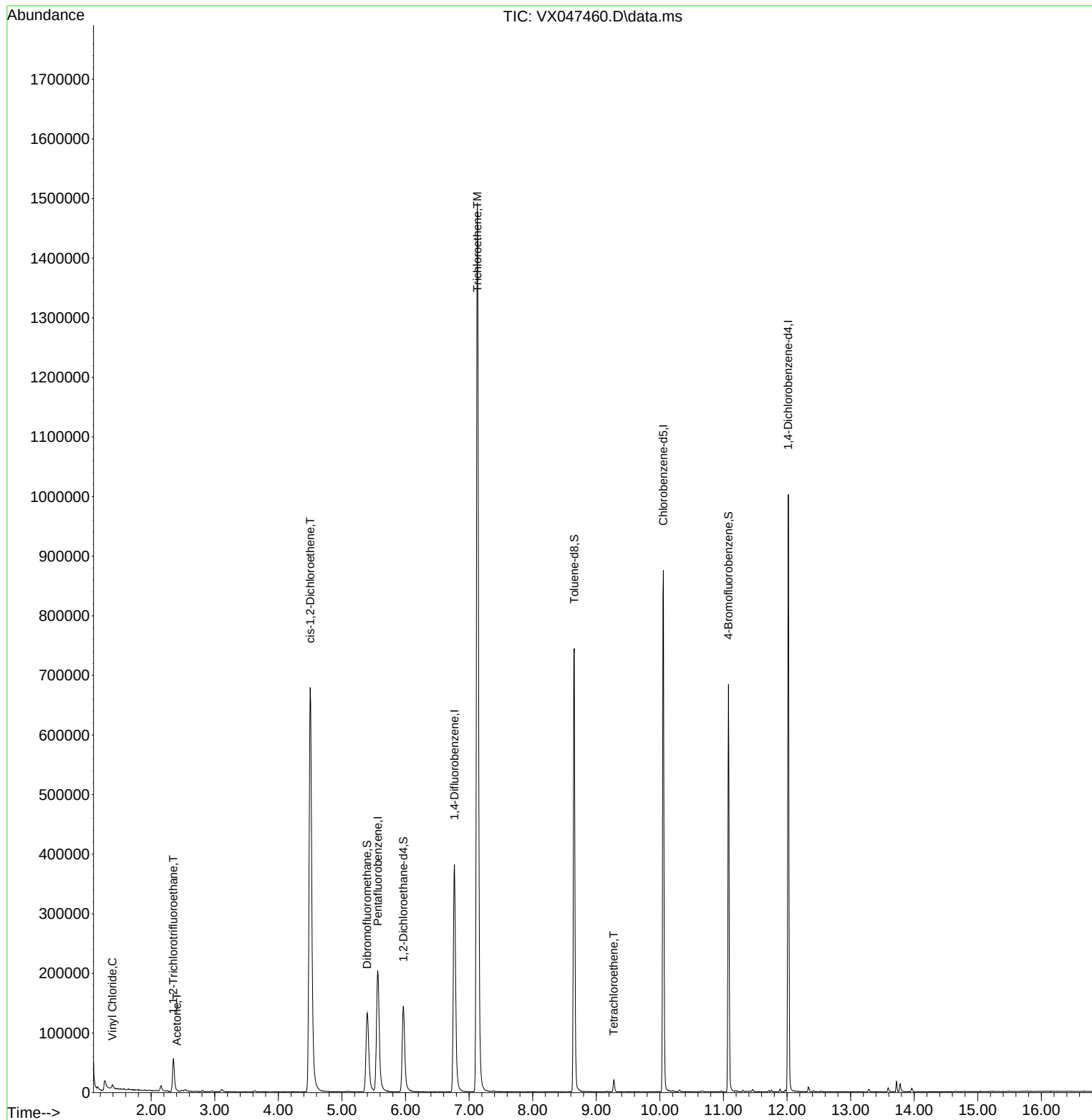
| Compound                     | R.T. QIon |                | Response | Conc       | Units  | Dev(Min) |
|------------------------------|-----------|----------------|----------|------------|--------|----------|
| -----                        |           |                |          |            |        |          |
| Internal Standards           |           |                |          |            |        |          |
| 1) Pentafluorobenzene        | 5.562     | 168            | 209250   | 50.000     | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.769     | 114            | 413436   | 50.000     | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.055    | 117            | 399927   | 50.000     | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.018    | 152            | 194035   | 50.000     | ug/l   | 0.00     |
| System Monitoring Compounds  |           |                |          |            |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.964     | 65             | 152914   | 52.215     | ug/l   | 0.00     |
| Spiked Amount                | 50.000    | Range 78 - 117 | Recovery | = 104.440% |        |          |
| 35) Dibromofluoromethane     | 5.397     | 113            | 128659   | 47.949     | ug/l   | 0.00     |
| Spiked Amount                | 50.000    | Range 75 - 124 | Recovery | = 95.900%  |        |          |
| 50) Toluene-d8               | 8.653     | 98             | 461732   | 48.144     | ug/l   | 0.00     |
| Spiked Amount                | 50.000    | Range 92 - 112 | Recovery | = 96.280%  |        |          |
| 62) 4-Bromofluorobenzene     | 11.079    | 95             | 188755   | 53.334     | ug/l   | 0.00     |
| Spiked Amount                | 50.000    | Range 83 - 123 | Recovery | = 106.660% |        |          |
| Target Compounds             |           |                |          |            |        |          |
|                              |           |                |          |            |        | Qvalue   |
| 4) Vinyl Chloride            | 1.392     | 62             | 3369     | 1.119      | ug/l # | 66       |
| 9) 1,1,2-Trichlorotrifluo... | 2.349     | 101            | 23528    | 9.104      | ug/l   | 98       |
| 16) Acetone                  | 2.404     | 43             | 2290     | 2.080      | ug/l # | 86       |
| 27) cis-1,2-Dichloroethene   | 4.501     | 96             | 476083   | 146.176    | ug/l   | 90       |
| 44) Trichloroethene          | 7.129     | 130            | 609435   | 187.731    | ug/l   | 100      |
| 64) Tetrachloroethene        | 9.275     | 164            | 4063     | 1.405      | ug/l # | 84       |
| -----                        |           |                |          |            |        |          |

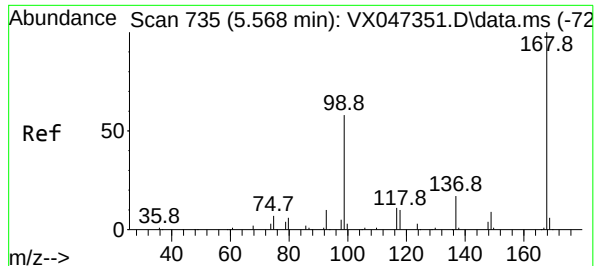
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX082125\  
Data File : VX047460.D  
Acq On : 21 Aug 2025 11:39  
Operator : JC/MD  
Sample : Q2869-04 10X  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-11A-13.5-081325

Quant Time: Aug 22 03:42:19 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X081525W.M  
Quant Title : SW846 8260  
QLast Update : Mon Aug 18 04:18:28 2025  
Response via : Initial Calibration



#1  
Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.562 min Scan# 71

Delta R.T. -0.006 min

Lab File: VX047460.D

Acq: 21 Aug 2025 11:39

Instrument :

MSVOA\_X

ClientSampleId :

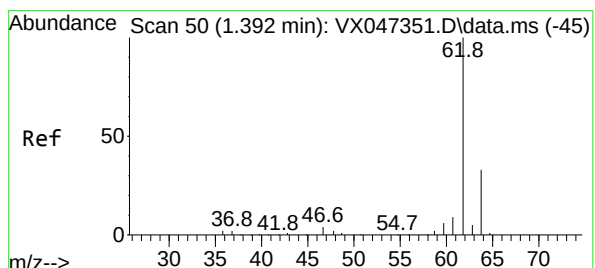
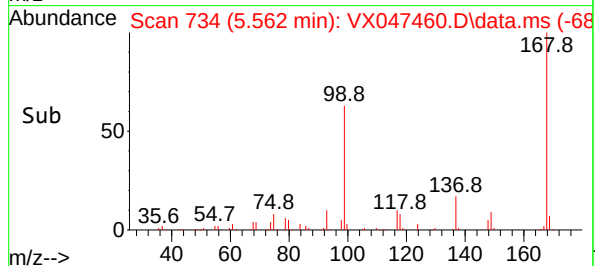
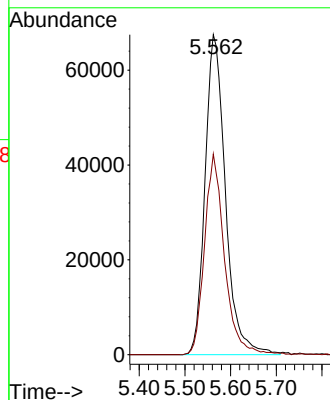
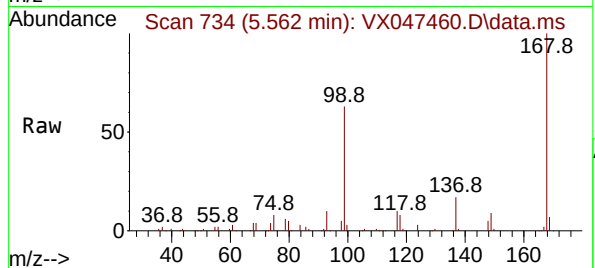
MW-11A-13.5-081325

Tgt Ion:168 Resp: 209250

Ion Ratio Lower Upper

168 100

99 62.7 47.9 71.9



#4

Vinyl Chloride

Concen: 1.119 ug/l

RT: 1.392 min Scan# 50

Delta R.T. 0.000 min

Lab File: VX047460.D

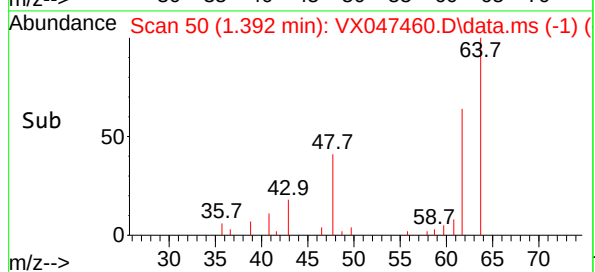
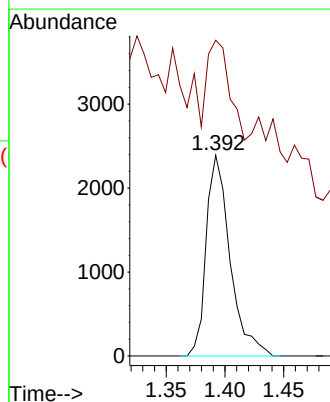
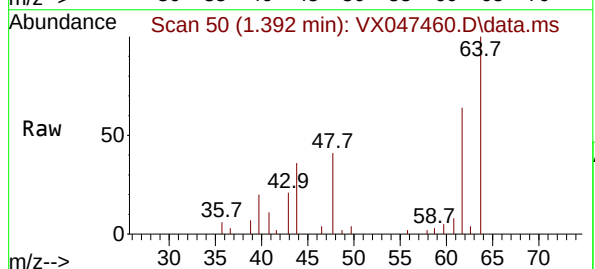
Acq: 21 Aug 2025 11:39

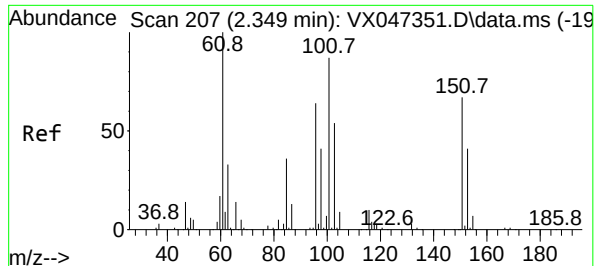
Tgt Ion: 62 Resp: 3369

Ion Ratio Lower Upper

62 100

64 52.3 26.5 39.7#

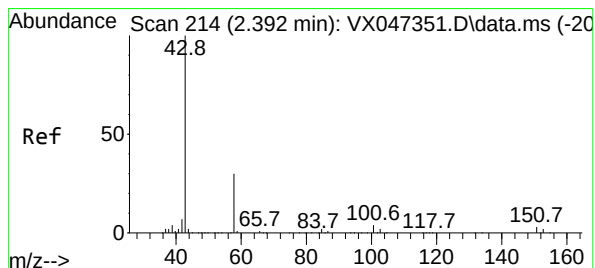
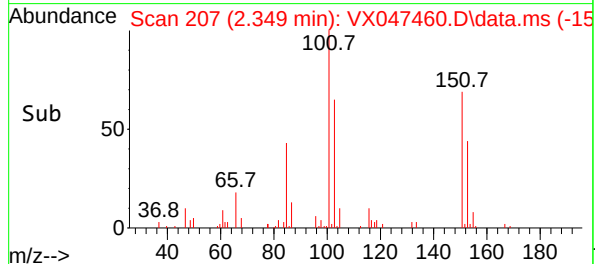
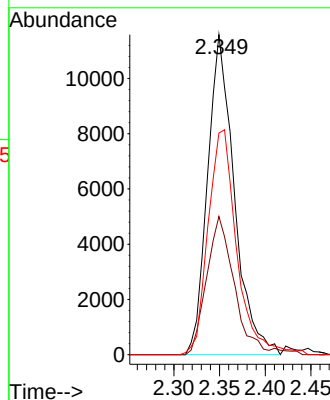
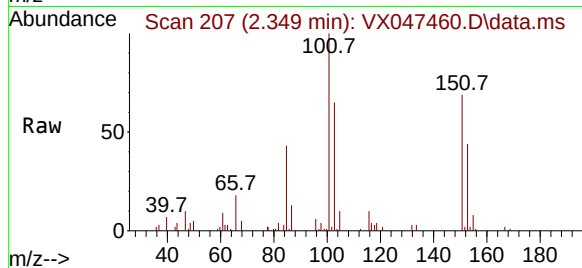




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 9.104 ug/l  
RT: 2.349 min Scan# 207  
Delta R.T. 0.000 min  
Lab File: VX047460.D  
Acq: 21 Aug 2025 11:39

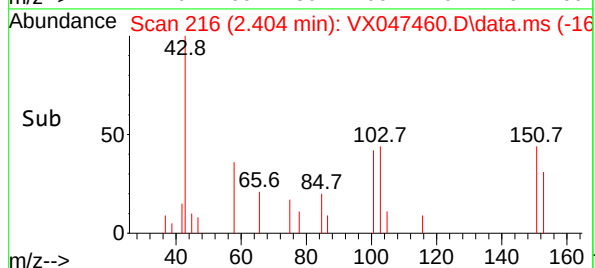
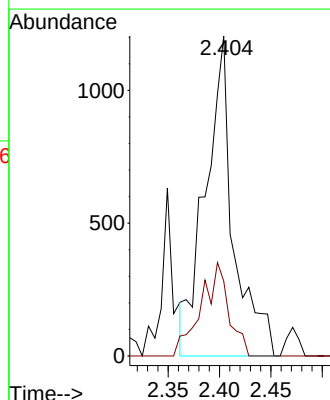
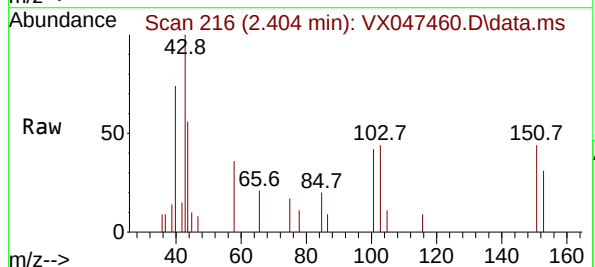
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-11A-13.5-081325

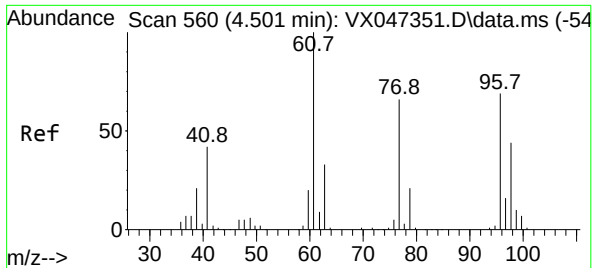
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 85      | 44.3  | 34.3  | 51.5  |
| 151     | 75.6  | 59.2  | 88.8  |



#16  
Acetone  
Concen: 2.080 ug/l  
RT: 2.404 min Scan# 216  
Delta R.T. 0.012 min  
Lab File: VX047460.D  
Acq: 21 Aug 2025 11:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 23.4  | 24.8  | 37.2  |





#27

cis-1,2-Dichloroethene

Concen: 146.176 ug/l

RT: 4.501 min Scan# 5

Delta R.T. 0.000 min

Lab File: VX047460.D

Acq: 21 Aug 2025 11:39

Instrument :

MSVOA\_X

ClientSampleId :

MW-11A-13.5-081325

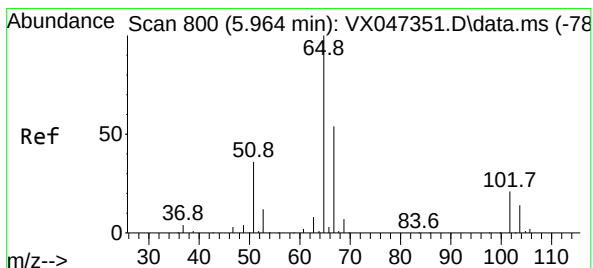
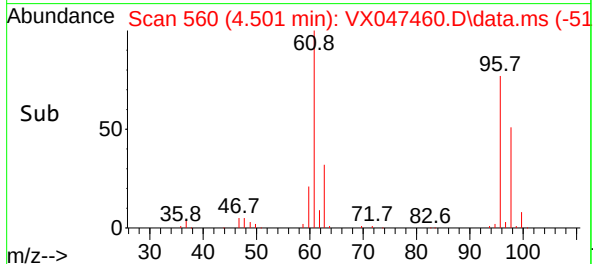
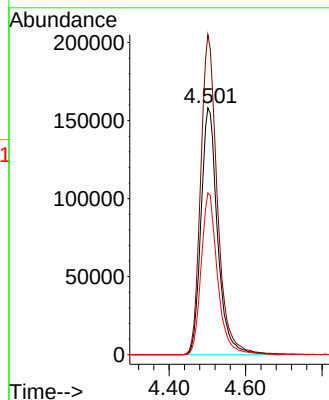
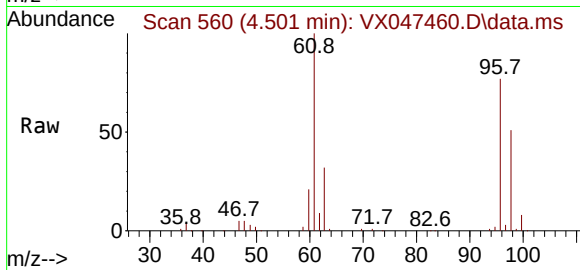
Tgt Ion: 96 Resp: 476083

Ion Ratio Lower Upper

96 100

61 130.2 0.0 296.6

98 64.6 0.0 130.4



#33

1,2-Dichloroethane-d4

Concen: 52.215 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

Lab File: VX047460.D

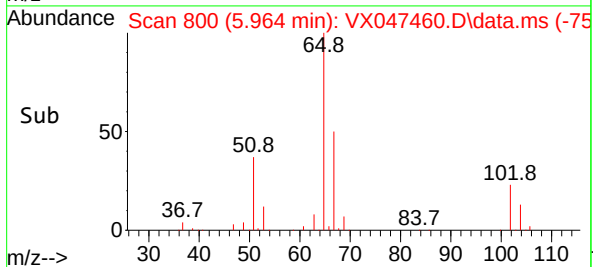
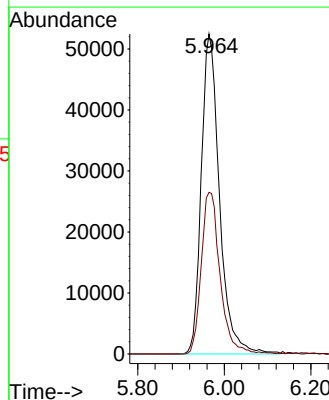
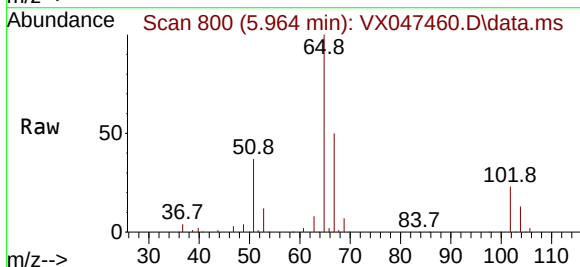
Acq: 21 Aug 2025 11:39

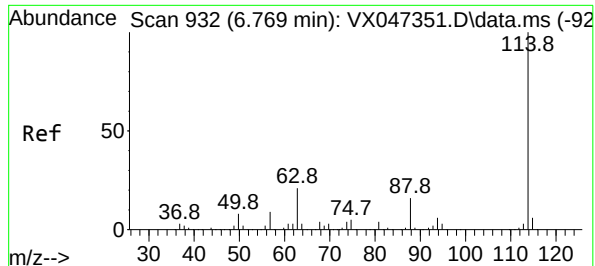
Tgt Ion: 65 Resp: 152914

Ion Ratio Lower Upper

65 100

67 51.9 0.0 106.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 91

Delta R.T. 0.000 min

Lab File: VX047460.D

Acq: 21 Aug 2025 11:39

Instrument :

MSVOA\_X

ClientSampleId :

MW-11A-13.5-081325

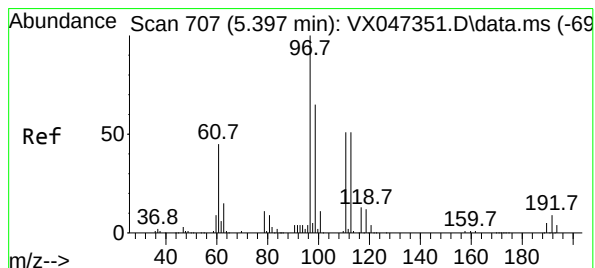
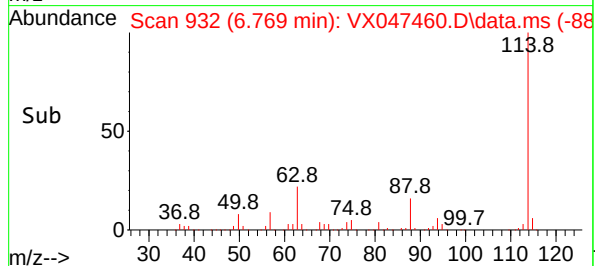
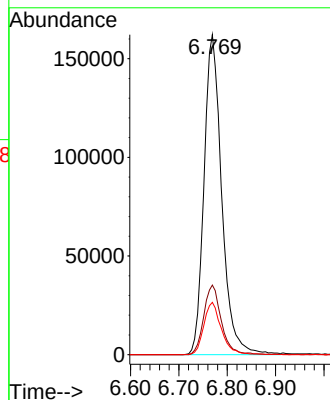
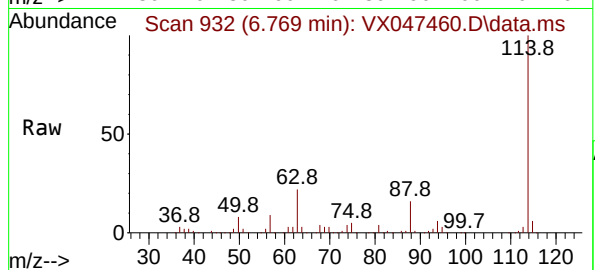
Tgt Ion:114 Resp: 413436

Ion Ratio Lower Upper

114 100

63 21.7 0.0 42.4

88 16.4 0.0 33.0



#35

Dibromofluoromethane

Concen: 47.949 ug/l

RT: 5.397 min Scan# 707

Delta R.T. 0.000 min

Lab File: VX047460.D

Acq: 21 Aug 2025 11:39

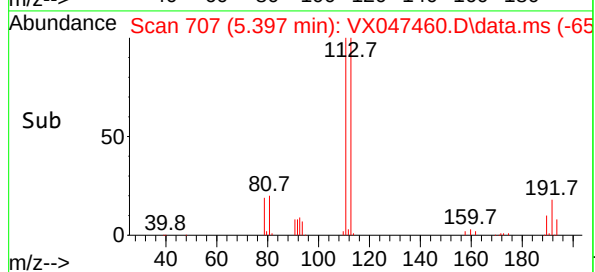
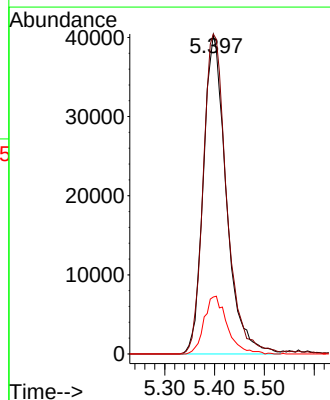
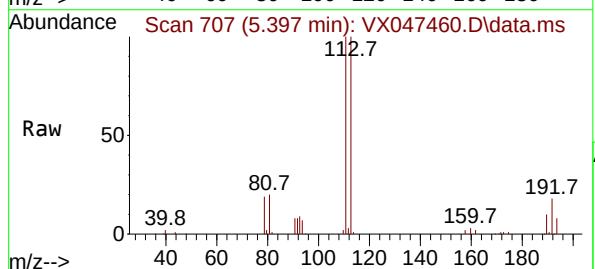
Tgt Ion:113 Resp: 128659

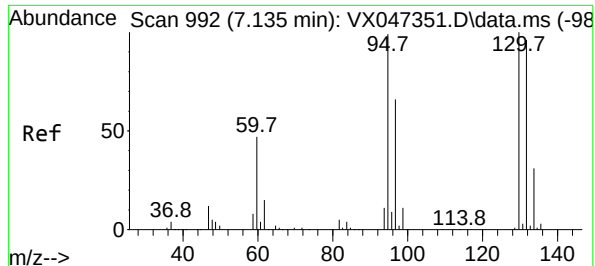
Ion Ratio Lower Upper

113 100

111 102.5 81.4 122.2

192 18.3 14.1 21.1





#44

Trichloroethene

Concen: 187.731 ug/l

RT: 7.129 min Scan# 991

Delta R.T. -0.006 min

Lab File: VX047460.D

Acq: 21 Aug 2025 11:39

Instrument :

MSVOA\_X

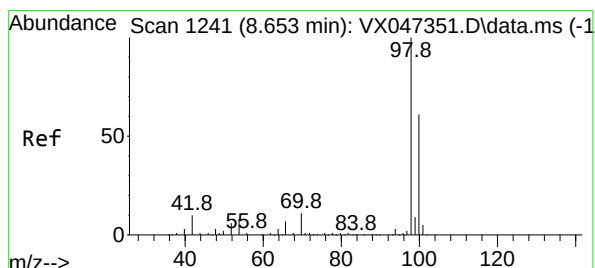
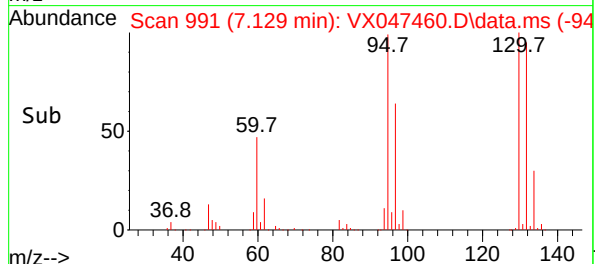
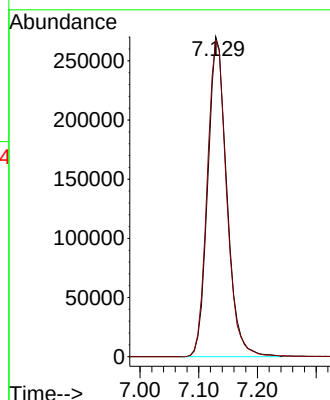
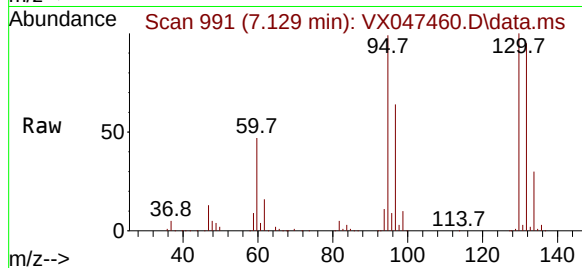
ClientSampleId :

MW-11A-13.5-081325

Tgt Ion:130 Resp: 609435

Ion Ratio Lower Upper

|     |      |     |       |
|-----|------|-----|-------|
| 130 | 100  |     |       |
| 95  | 98.8 | 0.0 | 198.6 |



#50

Toluene-d8

Concen: 48.144 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.000 min

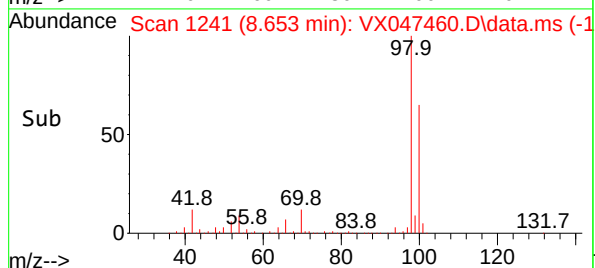
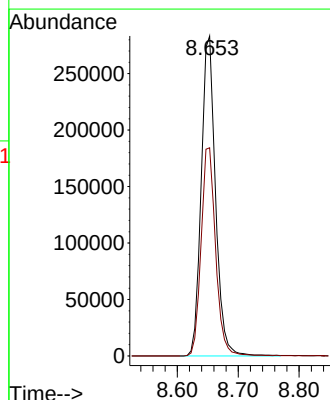
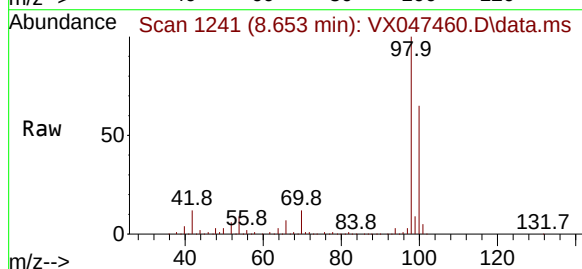
Lab File: VX047460.D

Acq: 21 Aug 2025 11:39

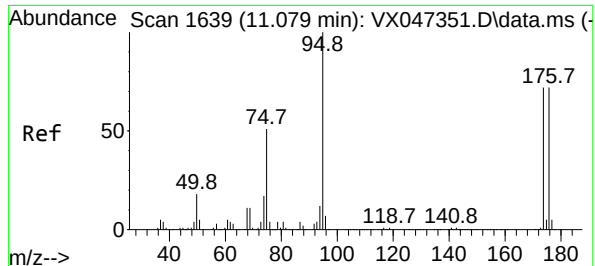
Tgt Ion: 98 Resp: 461732

Ion Ratio Lower Upper

|     |      |      |      |
|-----|------|------|------|
| 98  | 100  |      |      |
| 100 | 66.2 | 53.9 | 80.9 |



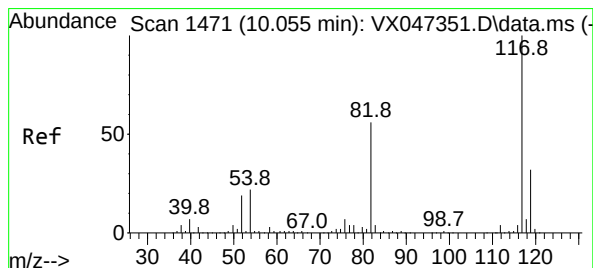
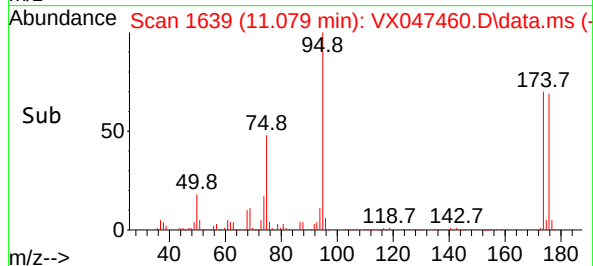
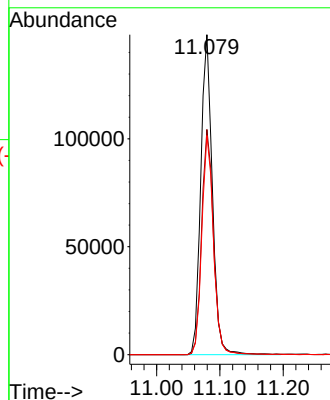
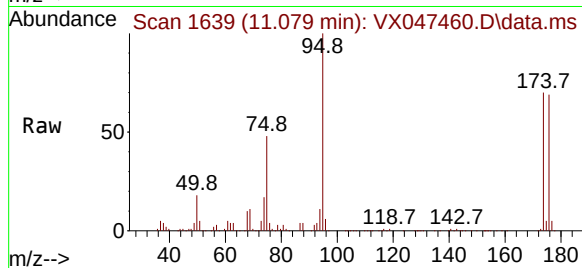




#62  
4-Bromofluorobenzene  
Concen: 53.334 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX047460.D  
Acq: 21 Aug 2025 11:39

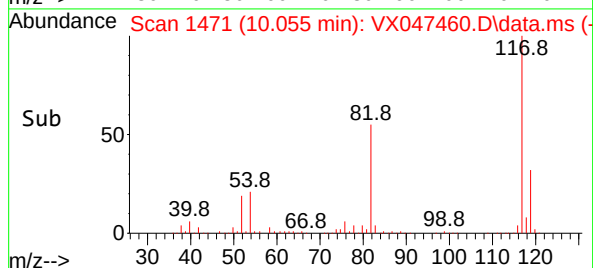
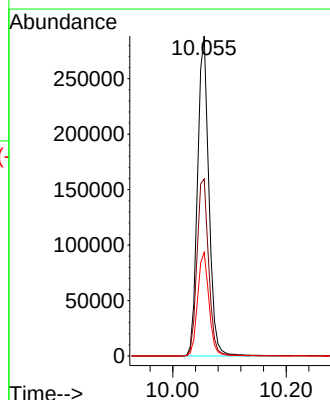
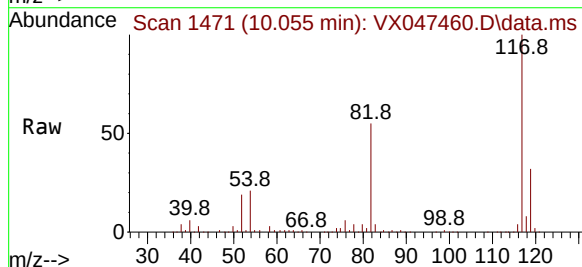
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-11A-13.5-081325

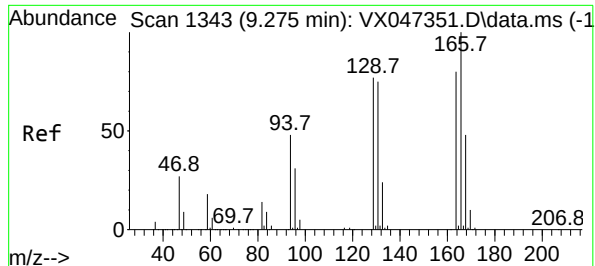
Tgt Ion: 95 Resp: 188755  
Ion Ratio Lower Upper  
95 100  
174 72.0 0.0 148.0  
176 69.1 0.0 145.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX047460.D  
Acq: 21 Aug 2025 11:39

Tgt Ion: 117 Resp: 399927  
Ion Ratio Lower Upper  
117 100  
82 55.3 45.0 67.4  
119 32.3 25.8 38.8





#64

Tetrachloroethene

Concen: 1.405 ug/l

RT: 9.275 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX047460.D

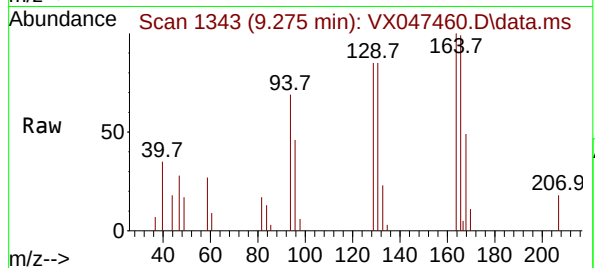
Acq: 21 Aug 2025 11:39

Instrument :

MSVOA\_X

ClientSampleId :

MW-11A-13.5-081325



Tgt Ion:164 Resp: 4063

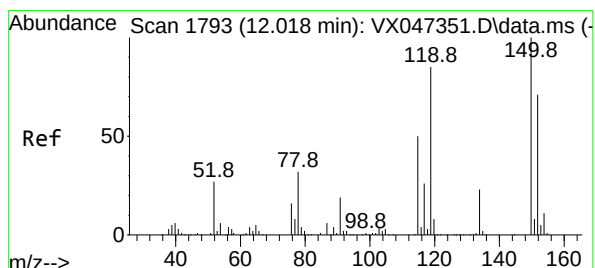
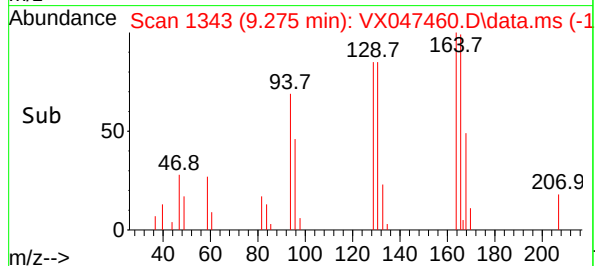
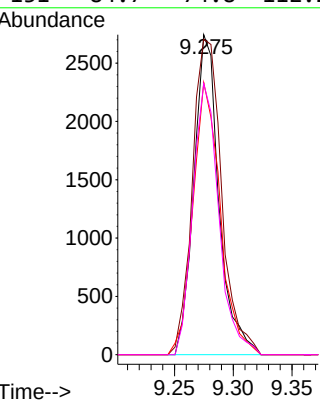
Ion Ratio Lower Upper

164 100

166 98.5 100.3 150.5#

129 85.1 77.7 116.5

131 84.7 74.8 112.2



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VX047460.D

Acq: 21 Aug 2025 11:39

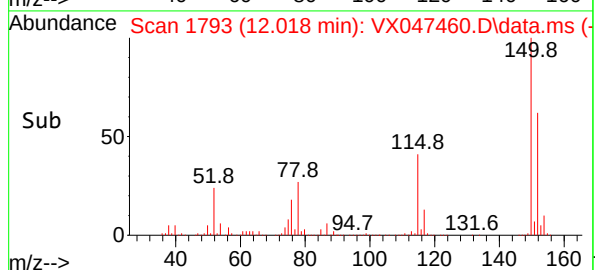
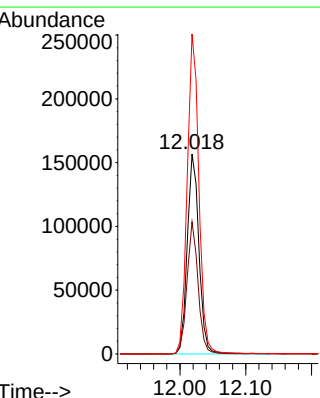
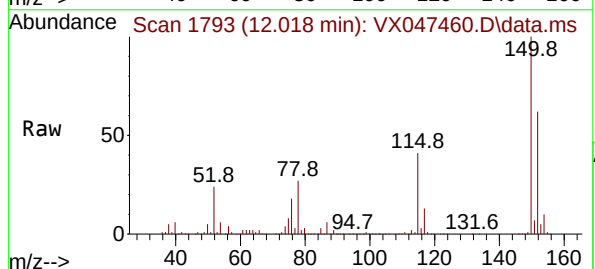
Tgt Ion:152 Resp: 194035

Ion Ratio Lower Upper

152 100

115 62.7 44.6 133.8

150 159.8 0.0 349.8



5

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Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX082125\  
 Data File : VX047468.D  
 Acq On : 21 Aug 2025 14:28  
 Operator : JC/MD  
 Sample : Q2869-04DL 20X  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-11A-13.5-081325DL

Quant Time: Aug 22 03:47:07 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X081525W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Aug 18 04:18:28 2025  
 Response via : Initial Calibration

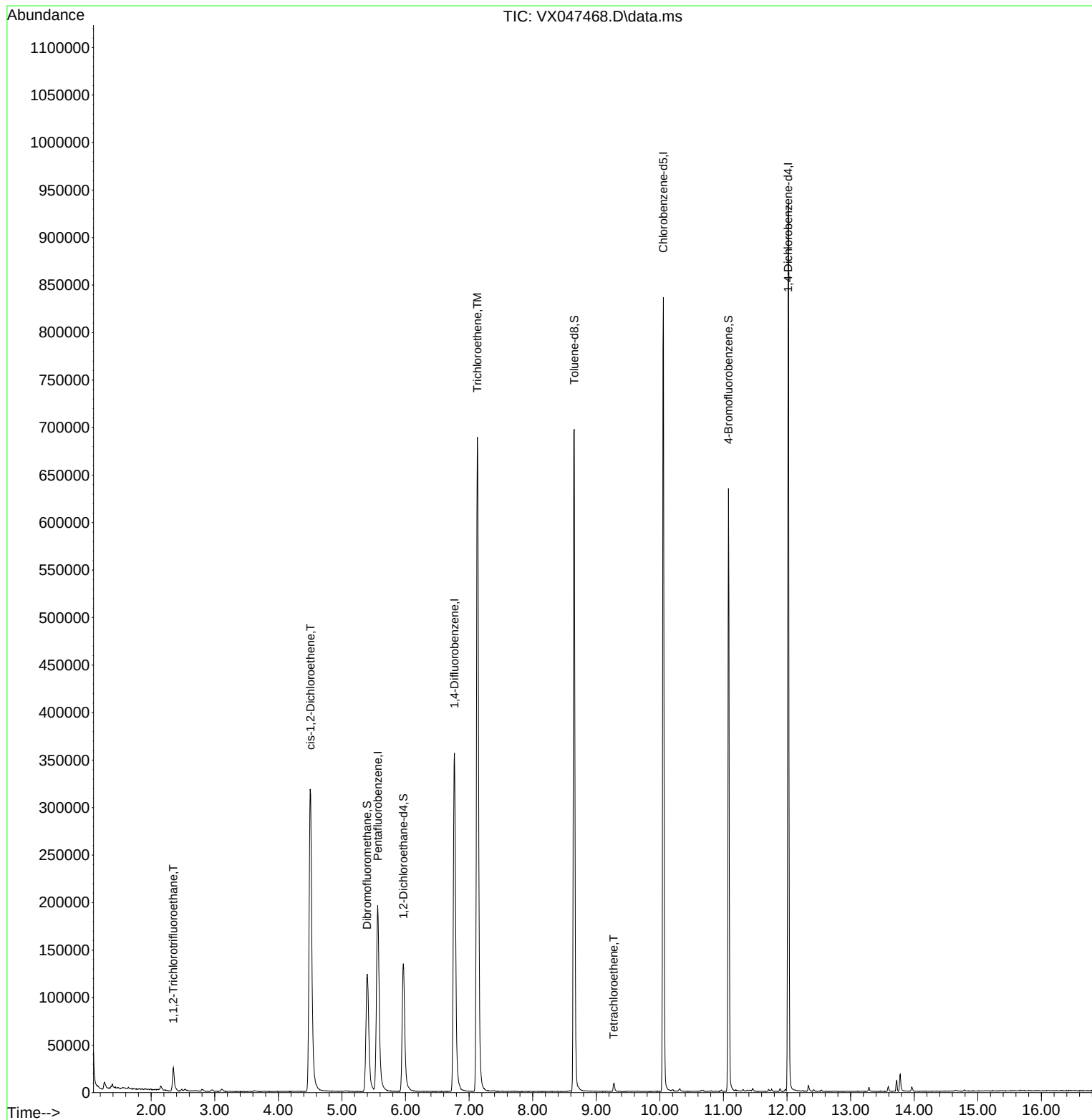
| Compound                     | R.T.           | QIon | Response            | Conc   | Units | Dev(Min) |
|------------------------------|----------------|------|---------------------|--------|-------|----------|
| -----                        |                |      |                     |        |       |          |
| Internal Standards           |                |      |                     |        |       |          |
| 1) Pentafluorobenzene        | 5.562          | 168  | 195089              | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.769          | 114  | 386665              | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5         | 10.055         | 117  | 376333              | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.018         | 152  | 185836              | 50.000 | ug/l  | 0.00     |
|                              |                |      |                     |        |       |          |
| System Monitoring Compounds  |                |      |                     |        |       |          |
| 33) 1,2-Dichloroethane-d4    | 5.964          | 65   | 145202              | 53.181 | ug/l  | 0.00     |
| Spiked Amount 50.000         | Range 78 - 117 |      | Recovery = 106.360% |        |       |          |
| 35) Dibromofluoromethane     | 5.397          | 113  | 121502              | 48.417 | ug/l  | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = 96.840%  |        |       |          |
| 50) Toluene-d8               | 8.653          | 98   | 434529              | 48.445 | ug/l  | 0.00     |
| Spiked Amount 50.000         | Range 92 - 112 |      | Recovery = 96.880%  |        |       |          |
| 62) 4-Bromofluorobenzene     | 11.079         | 95   | 175623              | 53.059 | ug/l  | 0.00     |
| Spiked Amount 50.000         | Range 83 - 123 |      | Recovery = 106.120% |        |       |          |
|                              |                |      |                     |        |       |          |
| Target Compounds             |                |      |                     |        |       |          |
| 9) 1,1,2-Trichlorotrifluo... | 2.349          | 101  | 10607               | 4.402  | ug/l  | 96       |
| 27) cis-1,2-Dichloroethene   | 4.507          | 96   | 227423              | 74.896 | ug/l  | 89       |
| 44) Trichloroethene          | 7.129          | 130  | 286321              | 94.305 | ug/l  | 99       |
| 64) Tetrachloroethene        | 9.275          | 164  | 1793                | 0.659  | ug/l  | 95       |
| -----                        |                |      |                     |        |       |          |

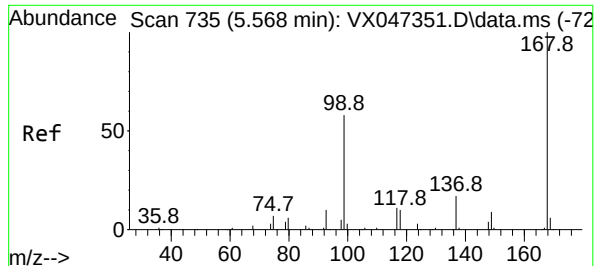
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX082125\  
Data File : VX047468.D  
Acq On : 21 Aug 2025 14:28  
Operator : JC/MD  
Sample : Q2869-04DL 20X  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-11A-13.5-081325DL

Quant Time: Aug 22 03:47:07 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X081525W.M  
Quant Title : SW846 8260  
QLast Update : Mon Aug 18 04:18:28 2025  
Response via : Initial Calibration



#1  
Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.562 min Scan# 71

Delta R.T. -0.006 min

Lab File: VX047468.D

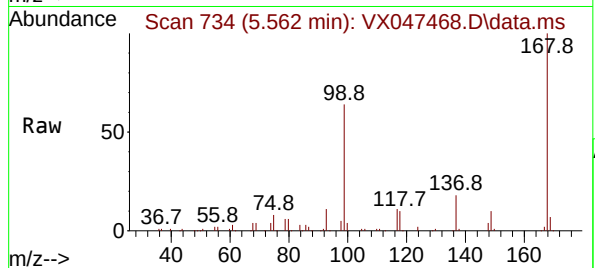
Acq: 21 Aug 2025 14:28

Instrument :

MSVOA\_X

ClientSampleId :

MW-11A-13.5-081325DL

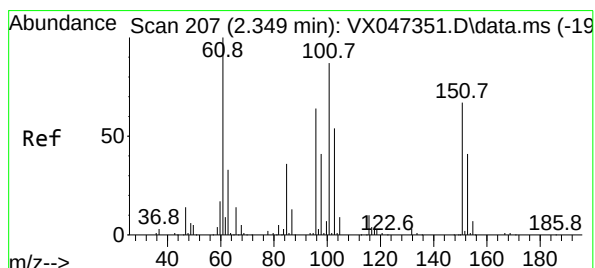
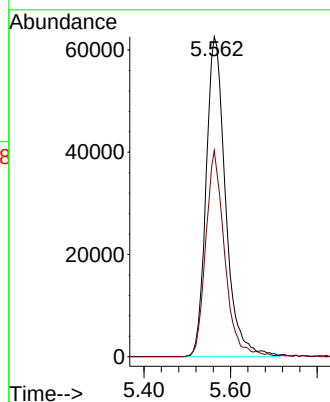
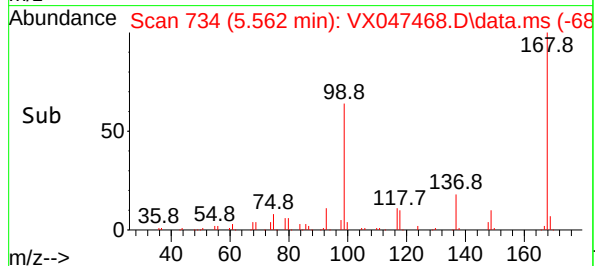


Tgt Ion:168 Resp: 195089

Ion Ratio Lower Upper

168 100

99 64.4 47.9 71.9



#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.402 ug/l

RT: 2.349 min Scan# 207

Delta R.T. 0.000 min

Lab File: VX047468.D

Acq: 21 Aug 2025 14:28

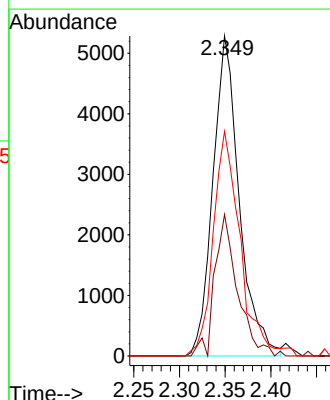
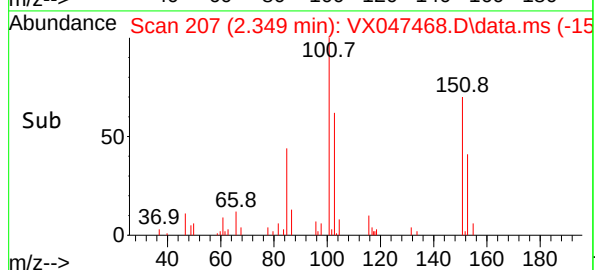
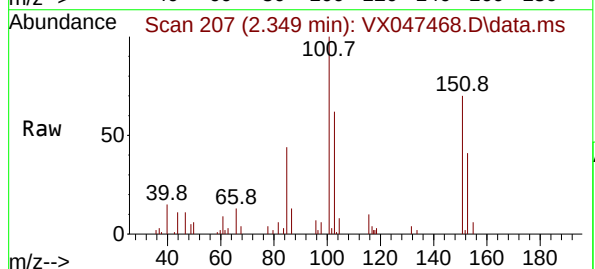
Tgt Ion:101 Resp: 10607

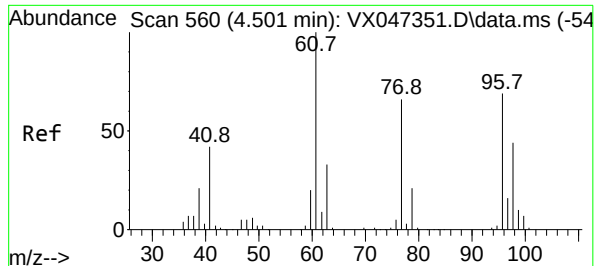
Ion Ratio Lower Upper

101 100

85 38.5 34.3 51.5

151 71.8 59.2 88.8





#27

cis-1,2-Dichloroethene

Concen: 74.896 ug/l

RT: 4.507 min Scan# 5

Delta R.T. 0.006 min

Lab File: VX047468.D

Acq: 21 Aug 2025 14:28

Instrument :

MSVOA\_X

ClientSampleId :

MW-11A-13.5-081325DL

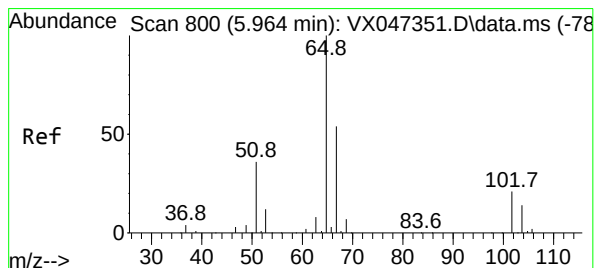
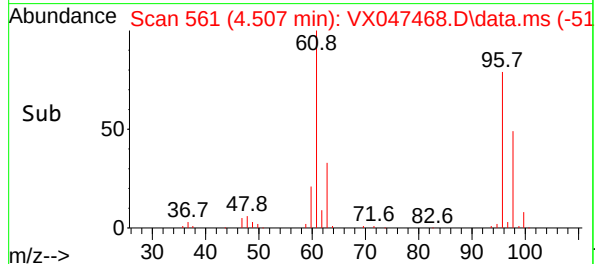
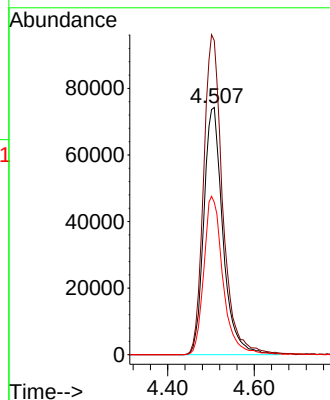
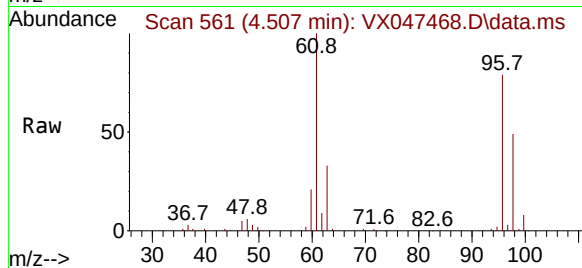
Tgt Ion: 96 Resp: 227423

Ion Ratio Lower Upper

96 100

61 129.5 0.0 296.6

98 64.0 0.0 130.4



#33

1,2-Dichloroethane-d4

Concen: 53.181 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

Lab File: VX047468.D

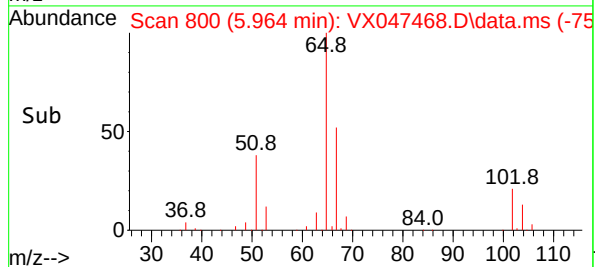
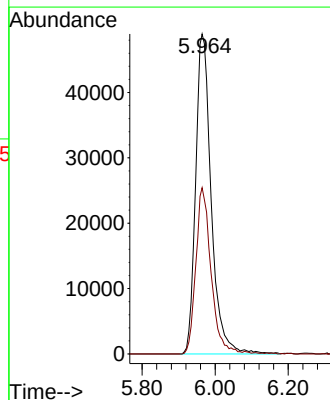
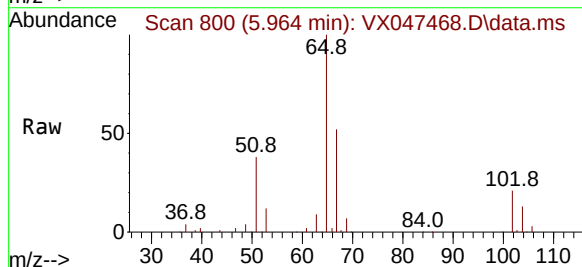
Acq: 21 Aug 2025 14:28

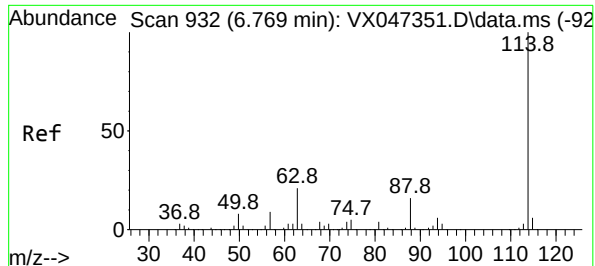
Tgt Ion: 65 Resp: 145202

Ion Ratio Lower Upper

65 100

67 50.6 0.0 106.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 91

Delta R.T. 0.000 min

Lab File: VX047468.D

Acq: 21 Aug 2025 14:28

Instrument :

MSVOA\_X

ClientSampleId :

MW-11A-13.5-081325DL

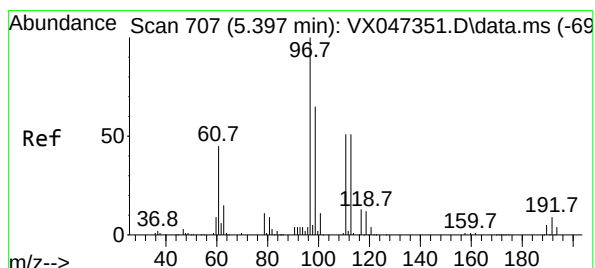
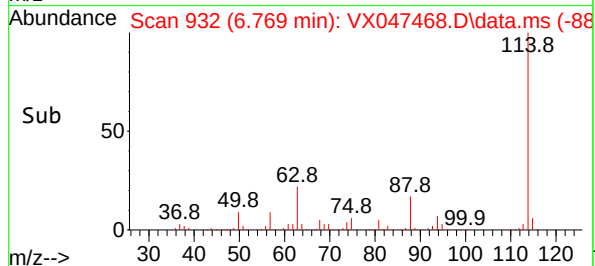
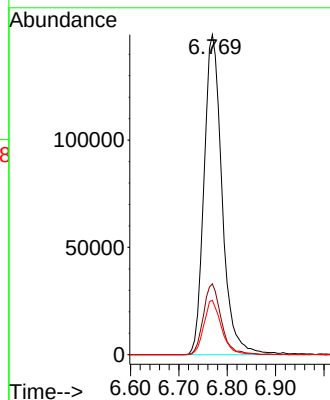
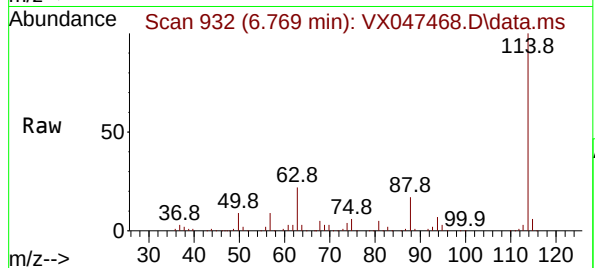
Tgt Ion:114 Resp: 386665

Ion Ratio Lower Upper

114 100

63 22.1 0.0 42.4

88 17.0 0.0 33.0



#35

Dibromofluoromethane

Concen: 48.417 ug/l

RT: 5.397 min Scan# 707

Delta R.T. 0.000 min

Lab File: VX047468.D

Acq: 21 Aug 2025 14:28

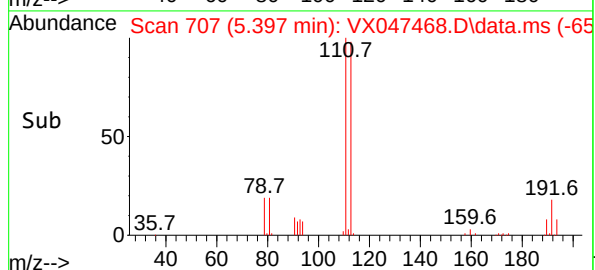
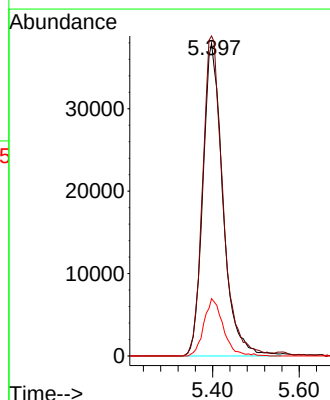
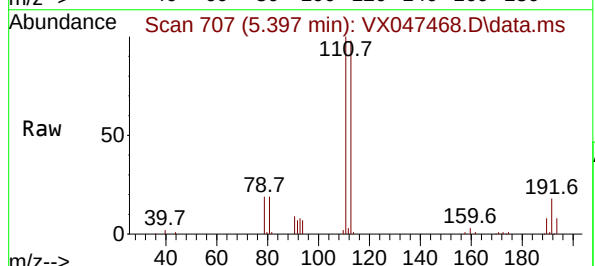
Tgt Ion:113 Resp: 121502

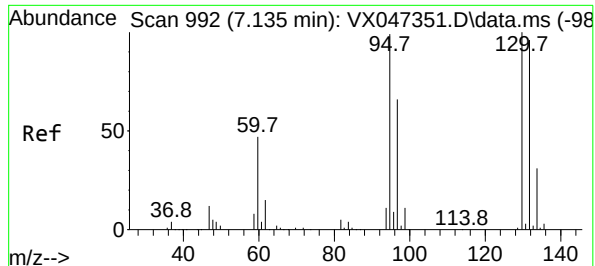
Ion Ratio Lower Upper

113 100

111 103.5 81.4 122.2

192 17.8 14.1 21.1





#44

Trichloroethene

Concen: 94.305 ug/l

RT: 7.129 min Scan# 991

Delta R.T. -0.006 min

Lab File: VX047468.D

Acq: 21 Aug 2025 14:28

Instrument :

MSVOA\_X

ClientSampleId :

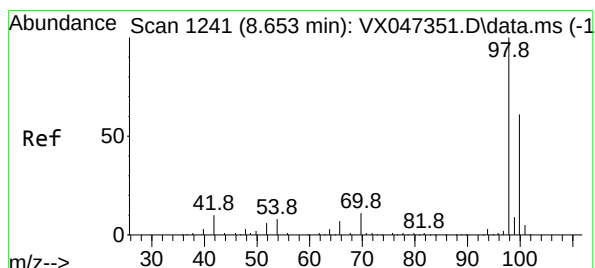
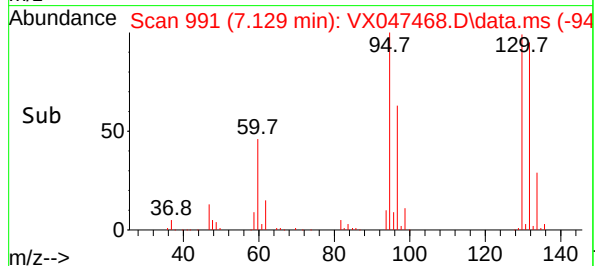
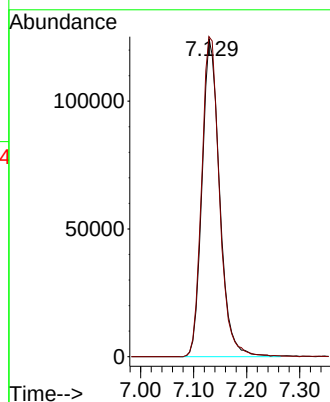
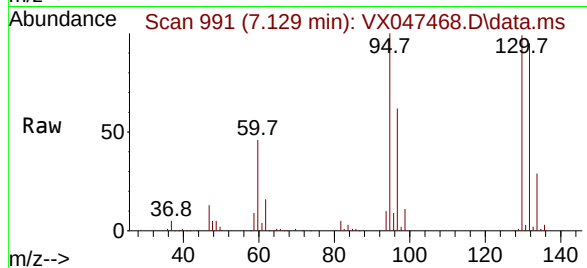
MW-11A-13.5-081325DL

Tgt Ion:130 Resp: 286321

Ion Ratio Lower Upper

130 100

95 100.7 0.0 198.6



#50

Toluene-d8

Concen: 48.445 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.000 min

Lab File: VX047468.D

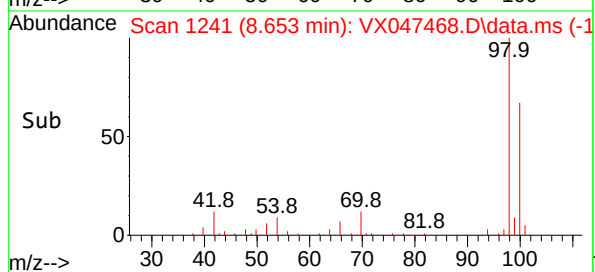
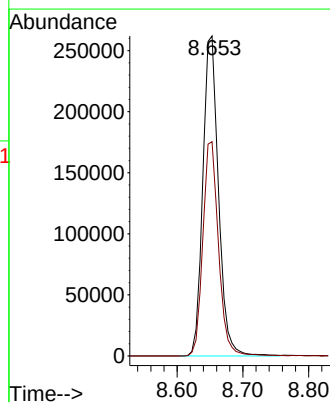
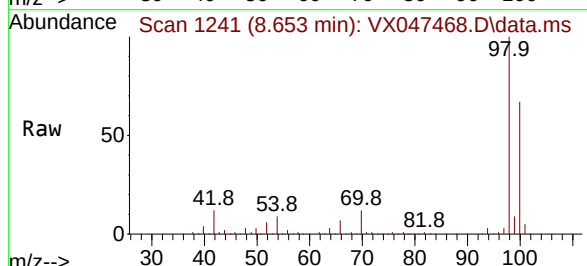
Acq: 21 Aug 2025 14:28

Tgt Ion: 98 Resp: 434529

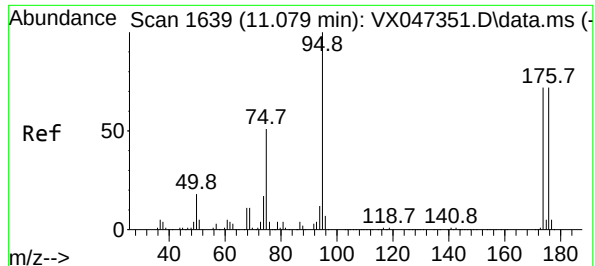
Ion Ratio Lower Upper

98 100

100 67.0 53.9 80.9



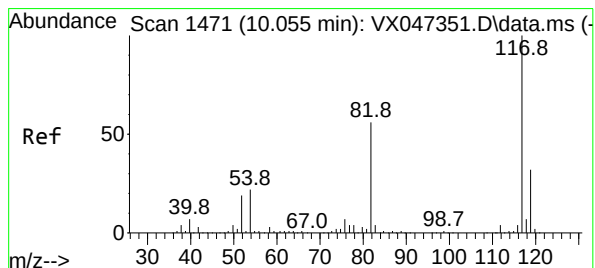
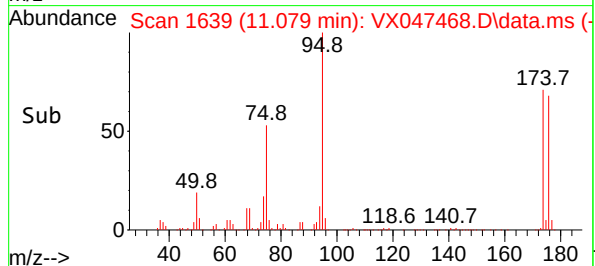
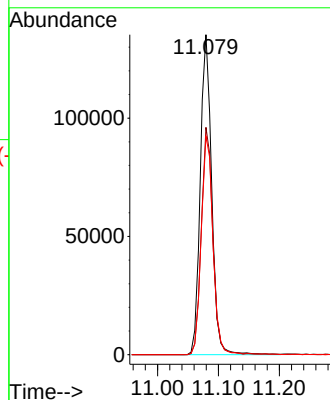
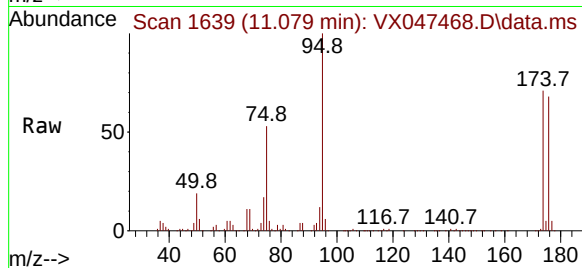




#62  
4-Bromofluorobenzene  
Concen: 53.059 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX047468.D  
Acq: 21 Aug 2025 14:28

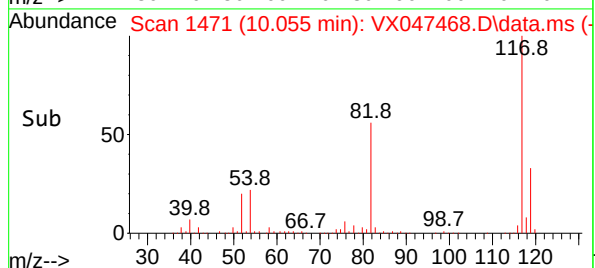
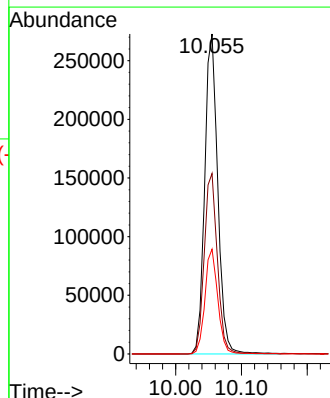
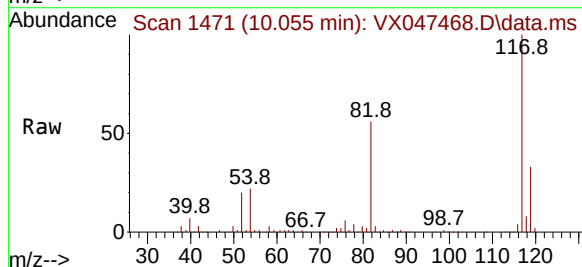
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-11A-13.5-081325DL

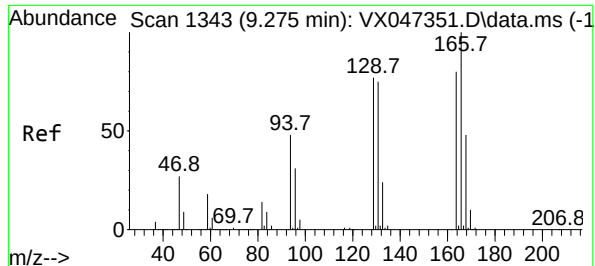
Tgt Ion: 95 Resp: 175623  
Ion Ratio Lower Upper  
95 100  
174 72.3 0.0 148.0  
176 70.7 0.0 145.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX047468.D  
Acq: 21 Aug 2025 14:28

Tgt Ion: 117 Resp: 376333  
Ion Ratio Lower Upper  
117 100  
82 56.4 45.0 67.4  
119 32.7 25.8 38.8





#64

Tetrachloroethene

Concen: 0.659 ug/l

RT: 9.275 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX047468.D

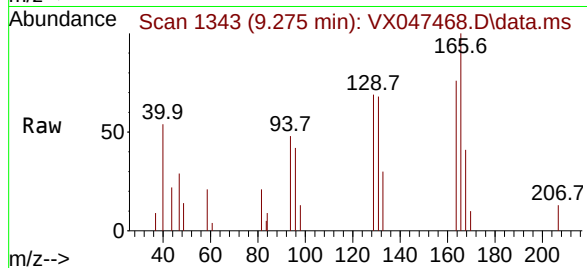
Acq: 21 Aug 2025 14:28

Instrument :

MSVOA\_X

ClientSampleId :

MW-11A-13.5-081325DL



Tgt Ion:164 Resp: 1793

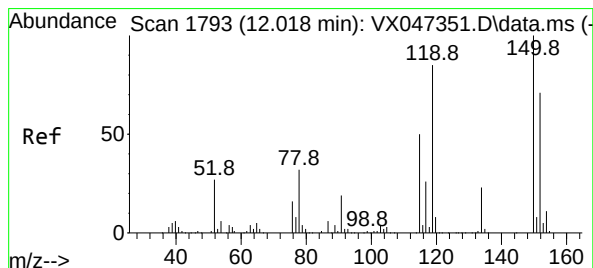
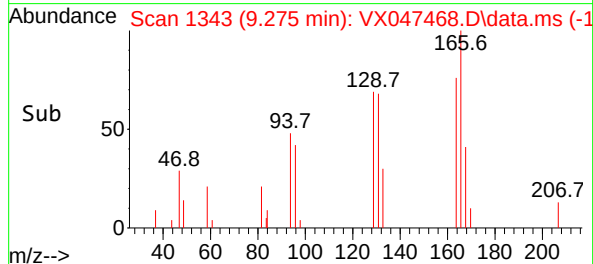
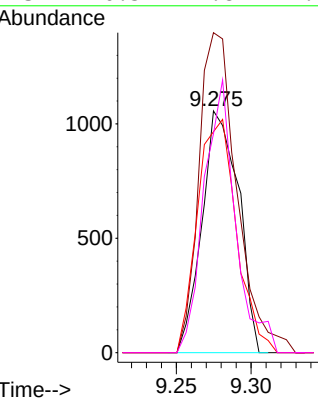
Ion Ratio Lower Upper

164 100

166 132.4 100.3 150.5

129 91.4 77.7 116.5

131 90.5 74.8 112.2



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VX047468.D

Acq: 21 Aug 2025 14:28

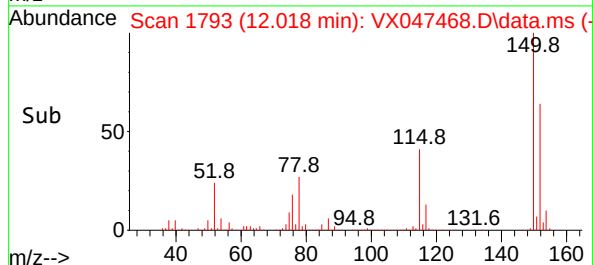
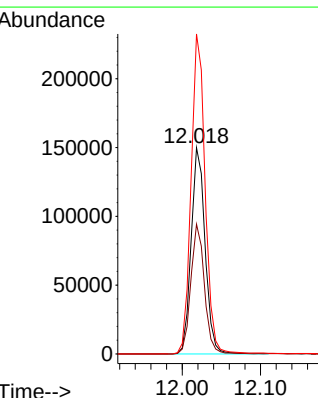
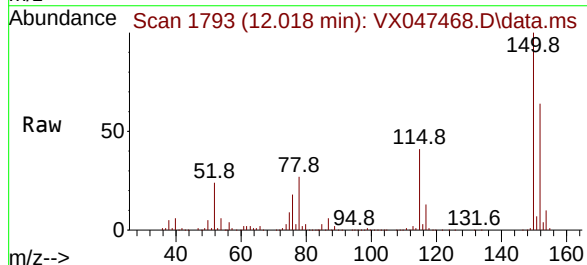
Tgt Ion:152 Resp: 185836

Ion Ratio Lower Upper

152 100

115 61.2 44.6 133.8

150 155.6 0.0 349.8



5

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Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX082125\  
 Data File : VX047461.D  
 Acq On : 21 Aug 2025 12:00  
 Operator : JC/MD  
 Sample : Q2869-05 40X  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-19B-71.5-081325-FD

Quant Time: Aug 22 03:42:48 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X081525W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Aug 18 04:18:28 2025  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 5.562  | 168  | 234783   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.769  | 114  | 477817   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.055 | 117  | 477729   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152  | 247621   | 50.000 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |       |          |          |            |      |
|---------------------------|--------|-------|----------|----------|------------|------|
| 33) 1,2-Dichloroethane-d4 | 5.964  | 65    | 186685   | 56.815   | ug/l       | 0.00 |
| Spiked Amount             | 50.000 | Range | 78 - 117 | Recovery | = 113.620% |      |
| 35) Dibromofluoromethane  | 5.397  | 113   | 153944   | 49.642   | ug/l       | 0.00 |
| Spiked Amount             | 50.000 | Range | 75 - 124 | Recovery | = 99.280%  |      |
| 50) Toluene-d8            | 8.653  | 98    | 544241   | 49.101   | ug/l       | 0.00 |
| Spiked Amount             | 50.000 | Range | 92 - 112 | Recovery | = 98.200%  |      |
| 62) 4-Bromofluorobenzene  | 11.079 | 95    | 227719   | 55.674   | ug/l       | 0.00 |
| Spiked Amount             | 50.000 | Range | 83 - 123 | Recovery | = 111.340% |      |

## Target Compounds

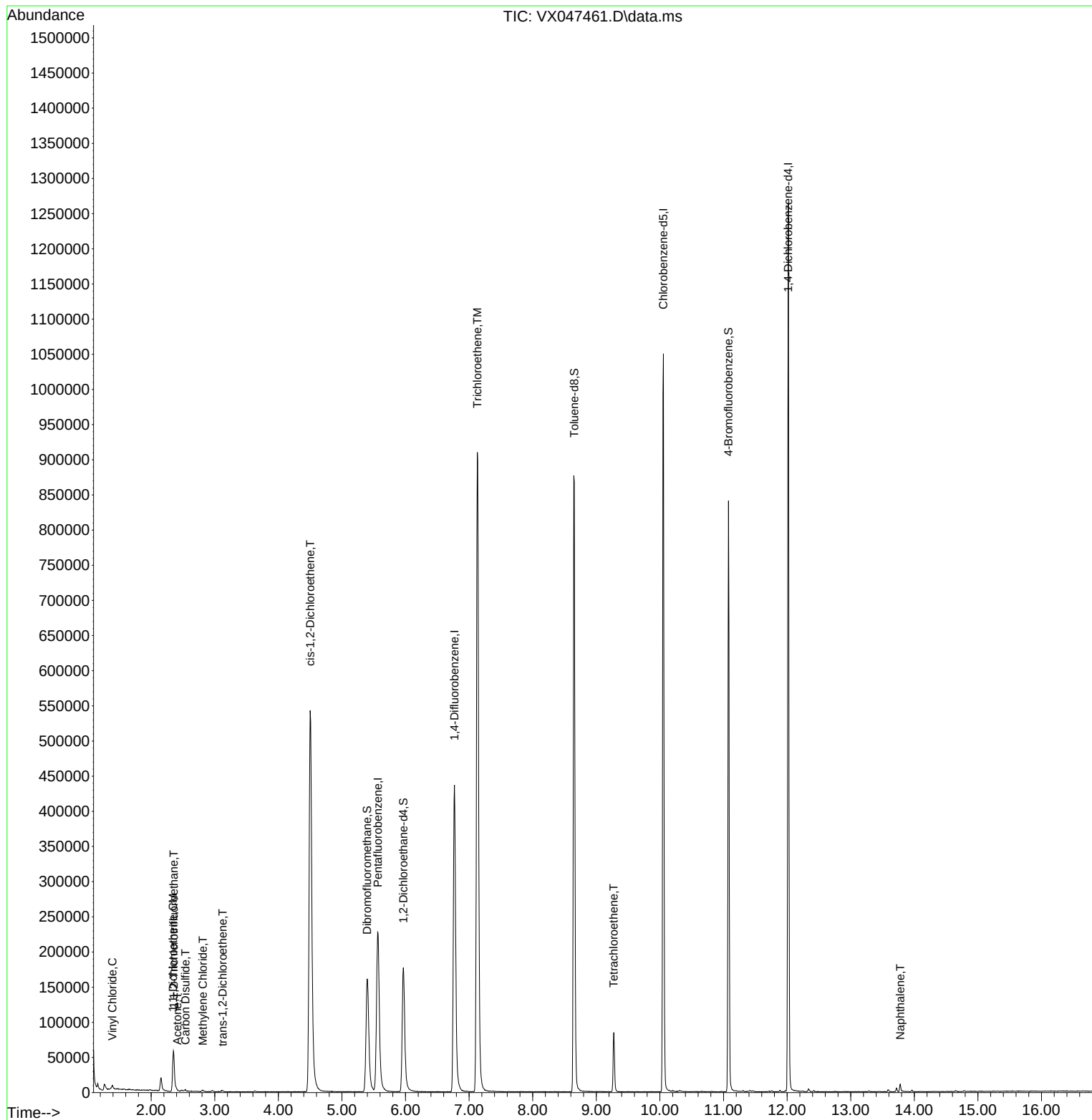
|                              |        |     |        |         |        | Qvalue |
|------------------------------|--------|-----|--------|---------|--------|--------|
| 4) Vinyl Chloride            | 1.392  | 62  | 2490   | 0.737   | ug/l   | 96     |
| 9) 1,1,2-Trichlorotrifluo... | 2.355  | 101 | 25101  | 8.657   | ug/l   | 99     |
| 12) 1,1-Dichloroethene       | 2.343  | 96  | 2040   | 0.690   | ug/l # | 84     |
| 16) Acetone                  | 2.410  | 43  | 2583   | 2.091   | ug/l   | 98     |
| 17) Carbon Disulfide         | 2.538  | 76  | 2354   | 0.264   | ug/l # | 75     |
| 20) Methylene Chloride       | 2.812  | 84  | 978    | 0.299   | ug/l # | 87     |
| 21) trans-1,2-Dichloroethene | 3.123  | 96  | 846    | 0.270   | ug/l # | 42     |
| 27) cis-1,2-Dichloroethene   | 4.501  | 96  | 383526 | 104.951 | ug/l   | 88     |
| 44) Trichloroethene          | 7.129  | 130 | 380783 | 101.492 | ug/l   | 100    |
| 64) Tetrachloroethene        | 9.275  | 164 | 15750  | 4.558   | ug/l   | 87     |
| 95) Naphthalene              | 13.780 | 128 | 7720   | 0.470   | ug/l   | 98     |

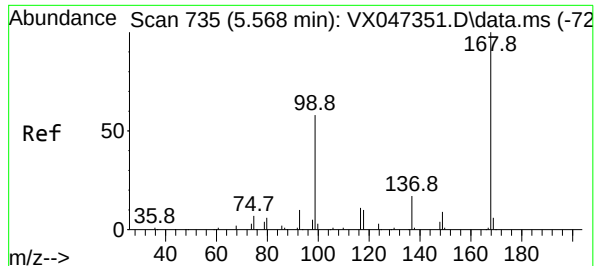
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX082125\  
Data File : VX047461.D  
Acq On : 21 Aug 2025 12:00  
Operator : JC/MD  
Sample : Q2869-05 40X  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-19B-71.5-081325-FD

Quant Time: Aug 22 03:42:48 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X081525W.M  
Quant Title : SW846 8260  
QLast Update : Mon Aug 18 04:18:28 2025  
Response via : Initial Calibration

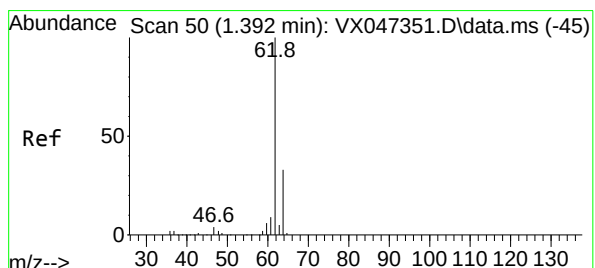
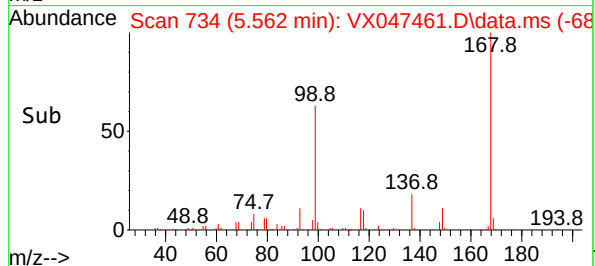
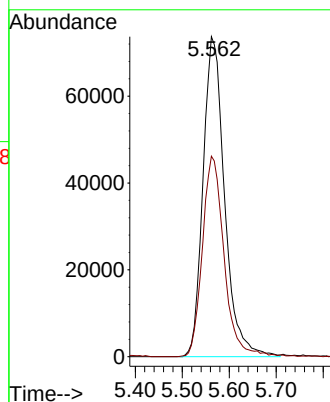
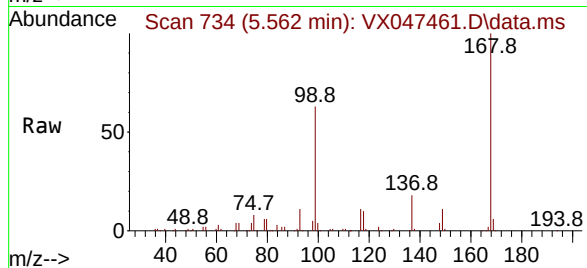




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.562 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: VX047461.D  
Acq: 21 Aug 2025 12:00

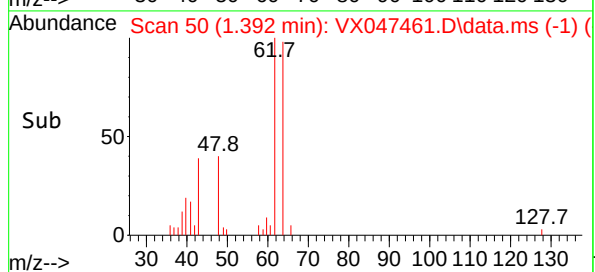
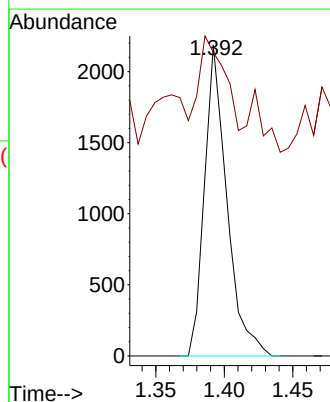
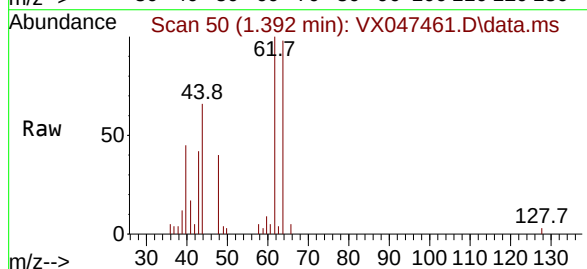
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-19B-71.5-081325-FD

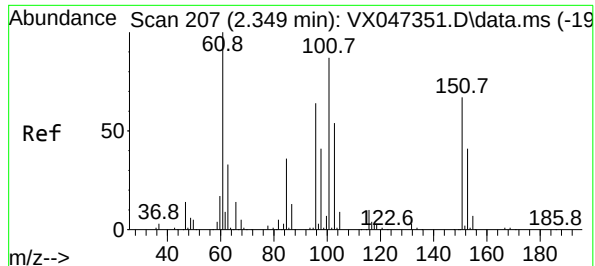
Tgt Ion:168 Resp: 234783  
Ion Ratio Lower Upper  
168 100  
99 62.5 47.9 71.9



#4  
Vinyl Chloride  
Concen: 0.737 ug/l  
RT: 1.392 min Scan# 50  
Delta R.T. 0.000 min  
Lab File: VX047461.D  
Acq: 21 Aug 2025 12:00

Tgt Ion: 62 Resp: 2490  
Ion Ratio Lower Upper  
62 100  
64 31.0 26.5 39.7

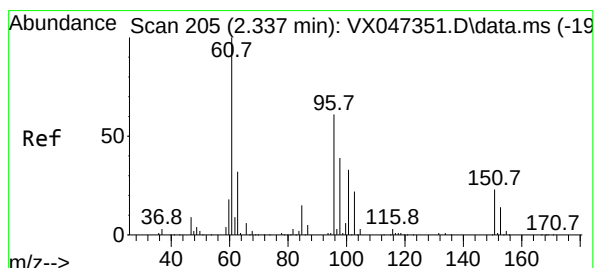
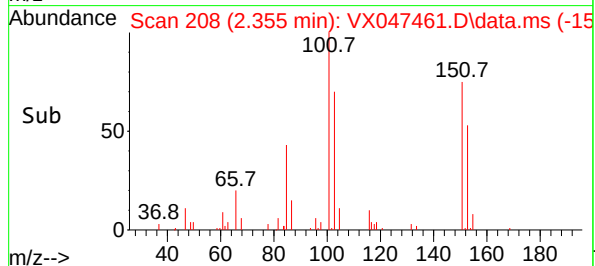
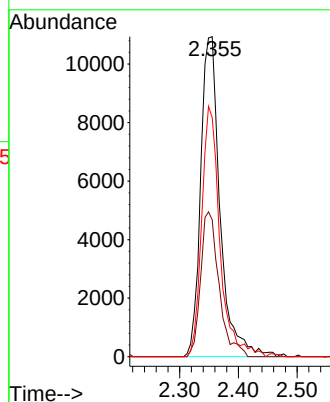
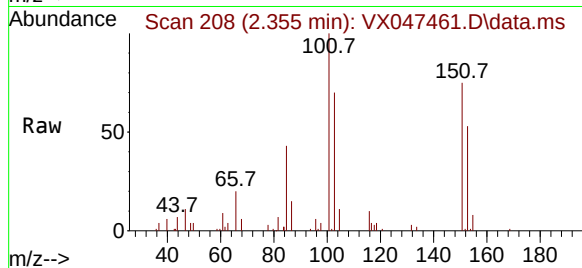




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 8.657 ug/l  
RT: 2.355 min Scan# 208  
Delta R.T. 0.006 min  
Lab File: VX047461.D  
Acq: 21 Aug 2025 12:00

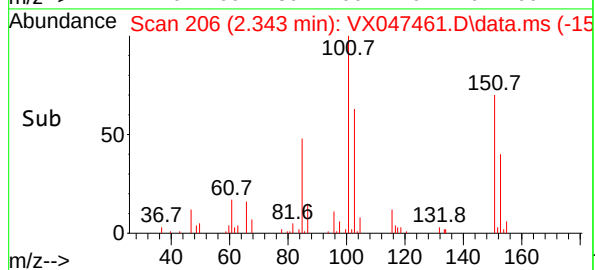
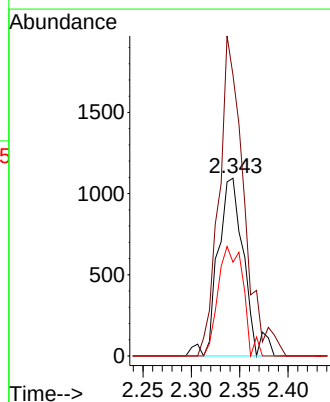
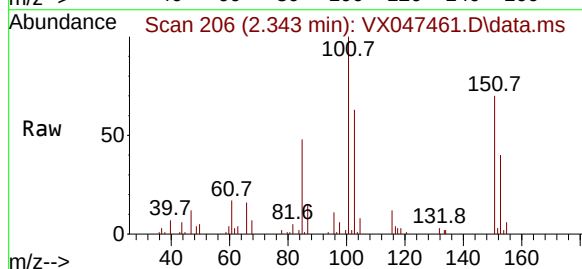
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-19B-71.5-081325-FD

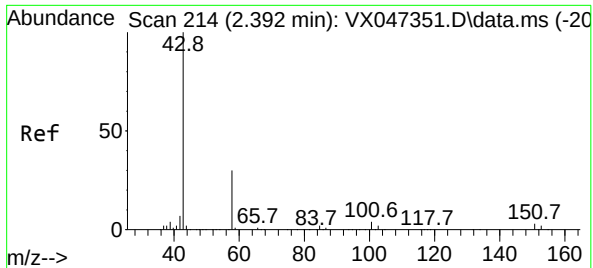
| Tgt Ion | 101   | Resp: | 25101 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 101     | 100   |       |       |
| 85      | 42.9  | 34.3  | 51.5  |
| 151     | 73.2  | 59.2  | 88.8  |



#12  
1,1-Dichloroethene  
Concen: 0.690 ug/l  
RT: 2.343 min Scan# 206  
Delta R.T. 0.006 min  
Lab File: VX047461.D  
Acq: 21 Aug 2025 12:00

| Tgt Ion | 96    | Resp: | 2040  |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 96      | 100   |       |       |
| 61      | 145.4 | 132.2 | 198.2 |
| 98      | 48.6  | 51.2  | 76.8  |





#16

Acetone

Concen: 2.091 ug/l

RT: 2.410 min Scan# 214

Delta R.T. 0.018 min

Lab File: VX047461.D

Acq: 21 Aug 2025 12:00

Instrument :

MSVOA\_X

ClientSampleId :

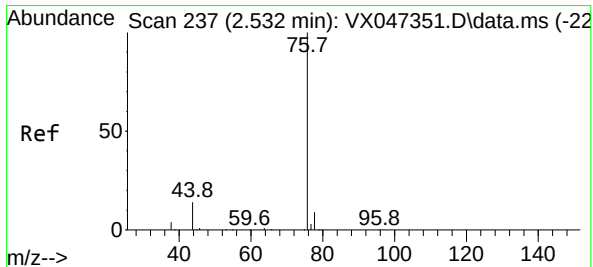
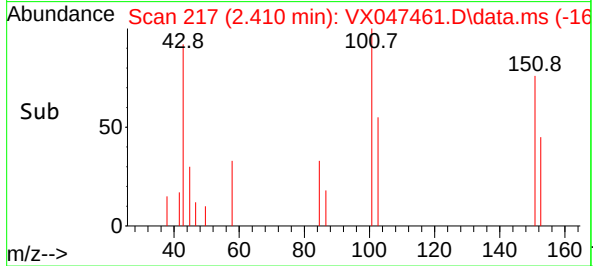
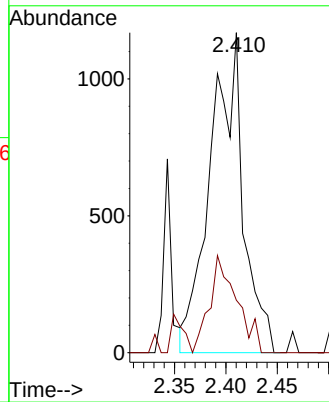
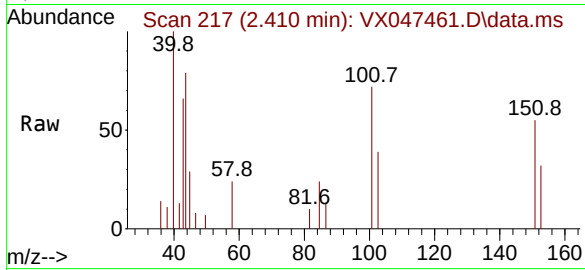
MW-19B-71.5-081325-FD

Tgt Ion: 43 Resp: 2583

Ion Ratio Lower Upper

43 100

58 31.8 24.8 37.2



#17

Carbon Disulfide

Concen: 0.264 ug/l

RT: 2.538 min Scan# 238

Delta R.T. 0.006 min

Lab File: VX047461.D

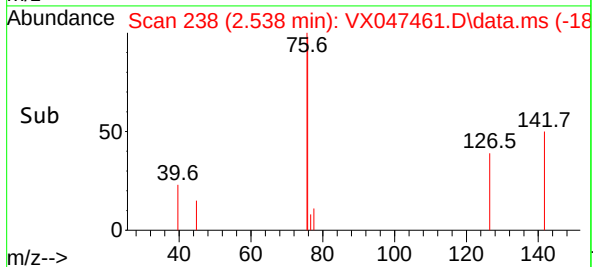
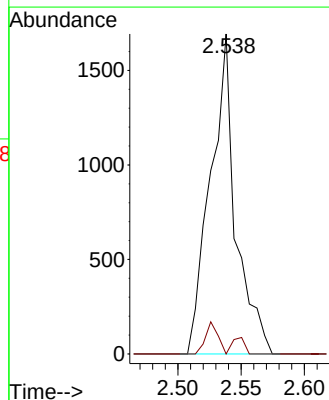
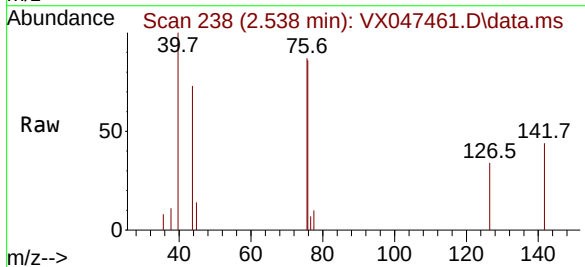
Acq: 21 Aug 2025 12:00

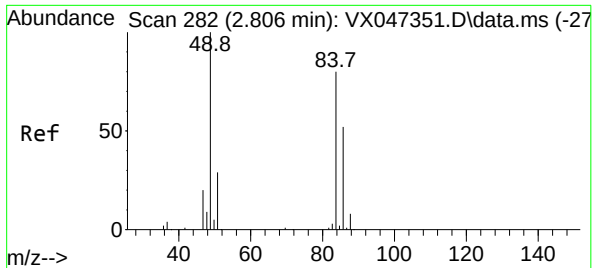
Tgt Ion: 76 Resp: 2354

Ion Ratio Lower Upper

76 100

78 0.0 7.2 10.8#





#20

Methylene Chloride

Concen: 0.299 ug/l

RT: 2.812 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX047461.D

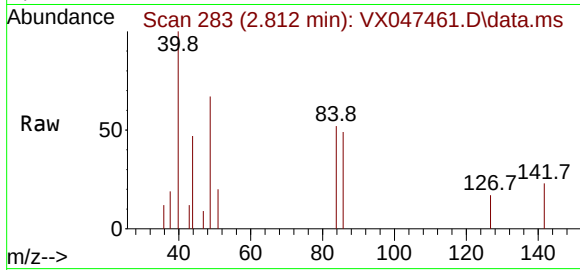
Acq: 21 Aug 2025 12:00

Instrument :

MSVOA\_X

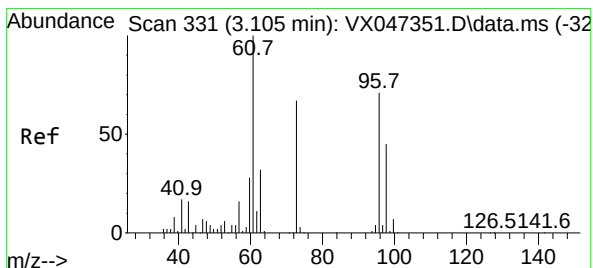
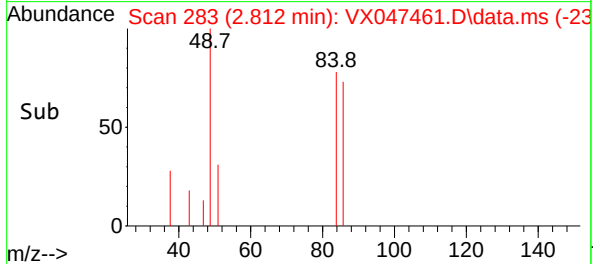
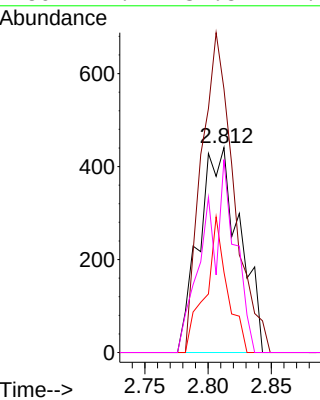
ClientSampleId :

MW-19B-71.5-081325-FD



Tgt Ion: 84 Resp: 978

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 84  | 100   |       |       |
| 49  | 128.6 | 100.1 | 150.1 |
| 51  | 39.2  | 29.5  | 44.3  |
| 86  | 94.1  | 51.8  | 77.8  |



#21

trans-1,2-Dichloroethene

Concen: 0.270 ug/l

RT: 3.123 min Scan# 334

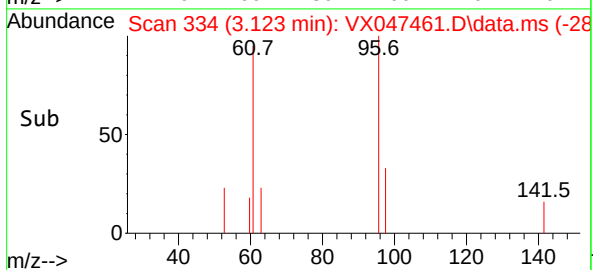
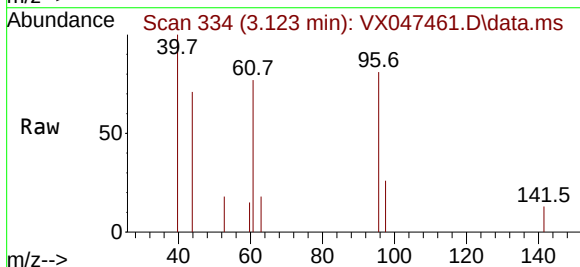
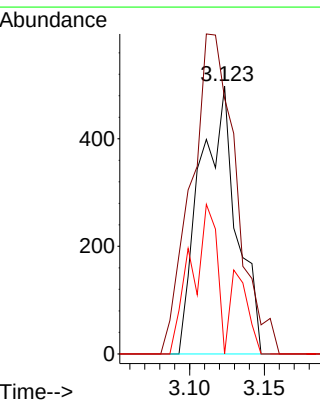
Delta R.T. 0.018 min

Lab File: VX047461.D

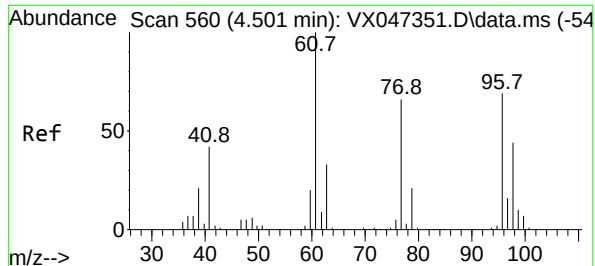
Acq: 21 Aug 2025 12:00

Tgt Ion: 96 Resp: 846

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 82.9  | 112.6 | 169.0 |
| 98  | 0.0   | 50.9  | 76.3  |







#27

cis-1,2-Dichloroethene

Concen: 104.951 ug/l

RT: 4.501 min Scan# 50

Delta R.T. 0.000 min

Lab File: VX047461.D

Acq: 21 Aug 2025 12:00

Instrument :

MSVOA\_X

ClientSampleId :

MW-19B-71.5-081325-FD

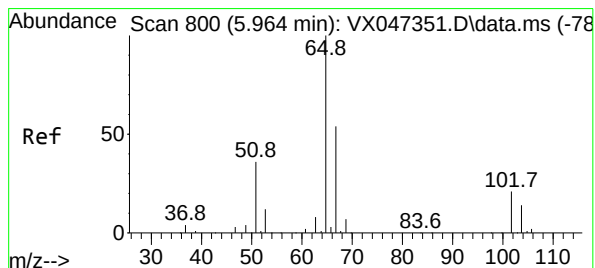
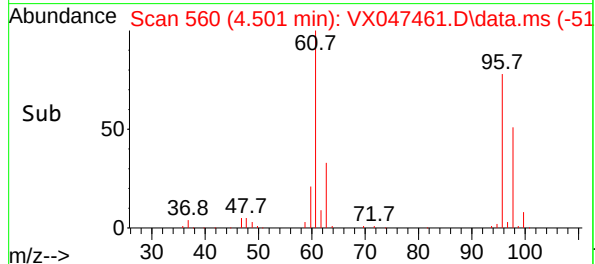
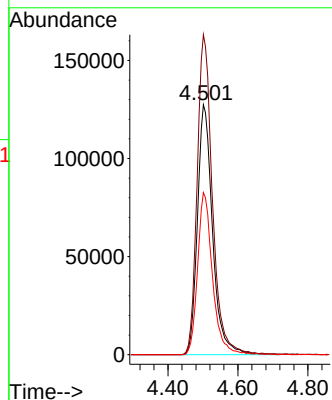
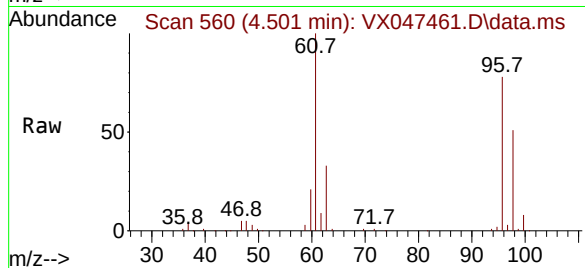
Tgt Ion: 96 Resp: 383526

Ion Ratio Lower Upper

96 100

61 128.6 0.0 296.6

98 63.4 0.0 130.4



#33

1,2-Dichloroethane-d4

Concen: 56.815 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

Lab File: VX047461.D

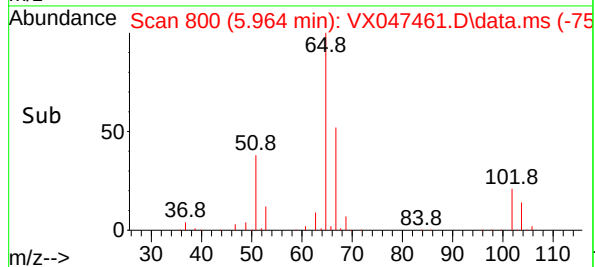
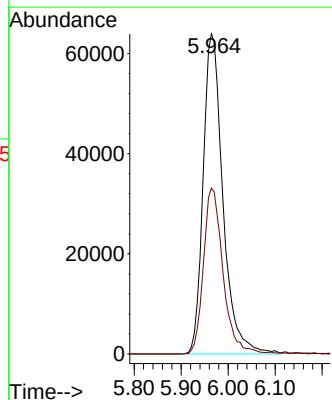
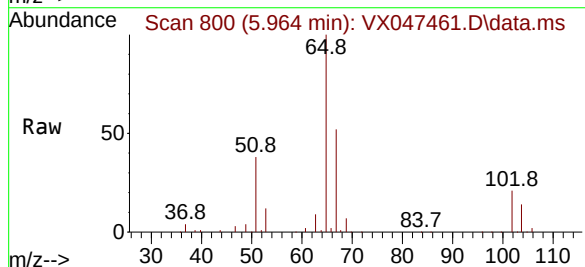
Acq: 21 Aug 2025 12:00

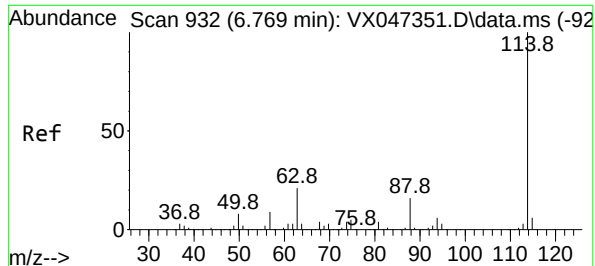
Tgt Ion: 65 Resp: 186685

Ion Ratio Lower Upper

65 100

67 51.5 0.0 106.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 91

Delta R.T. 0.000 min

Lab File: VX047461.D

Acq: 21 Aug 2025 12:00

Instrument :

MSVOA\_X

ClientSampleId :

MW-19B-71.5-081325-FD

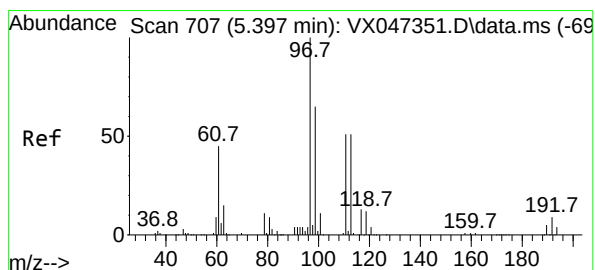
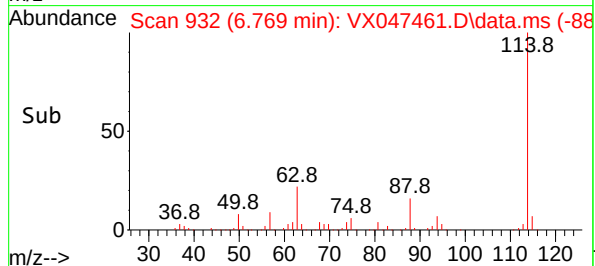
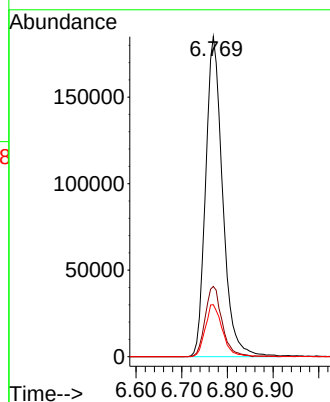
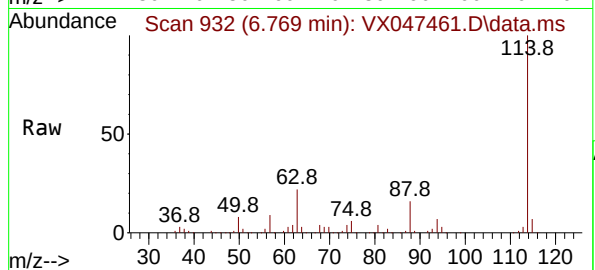
Tgt Ion:114 Resp: 477817

Ion Ratio Lower Upper

114 100

63 22.0 0.0 42.4

88 16.3 0.0 33.0



#35

Dibromofluoromethane

Concen: 49.642 ug/l

RT: 5.397 min Scan# 707

Delta R.T. 0.000 min

Lab File: VX047461.D

Acq: 21 Aug 2025 12:00

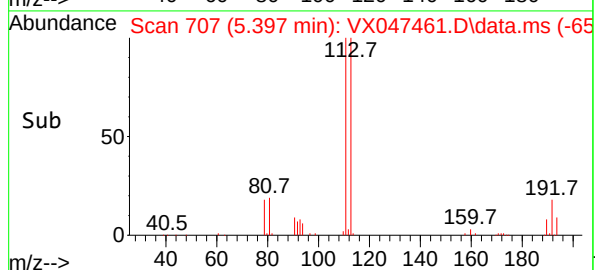
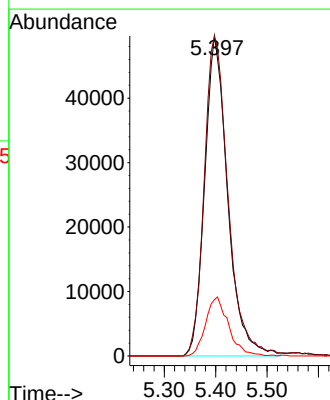
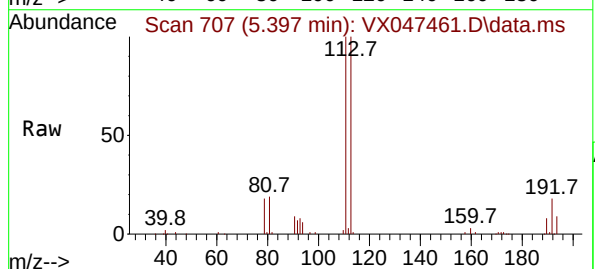
Tgt Ion:113 Resp: 153944

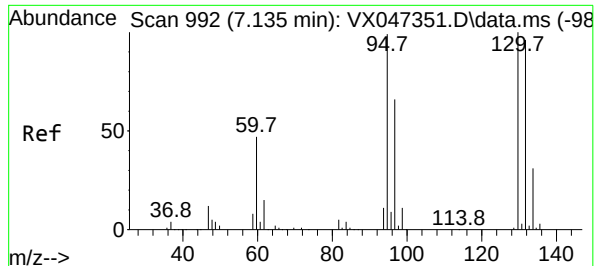
Ion Ratio Lower Upper

113 100

111 103.6 81.4 122.2

192 18.4 14.1 21.1





#44

Trichloroethene

Concen: 101.492 ug/l

RT: 7.129 min Scan# 991

Delta R.T. -0.006 min

Lab File: VX047461.D

Acq: 21 Aug 2025 12:00

Instrument :

MSVOA\_X

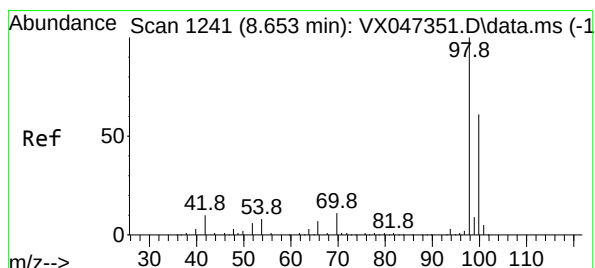
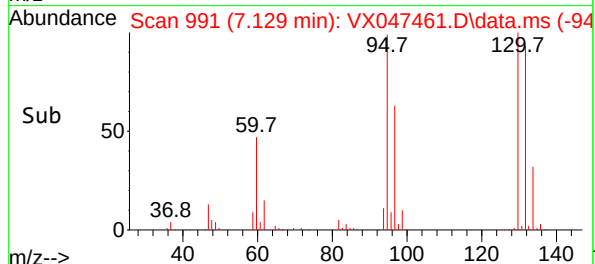
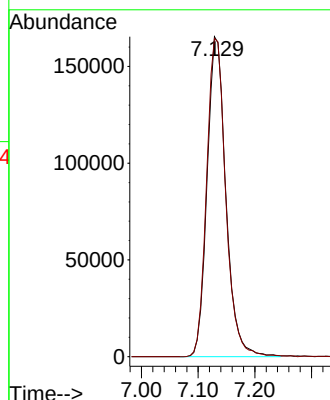
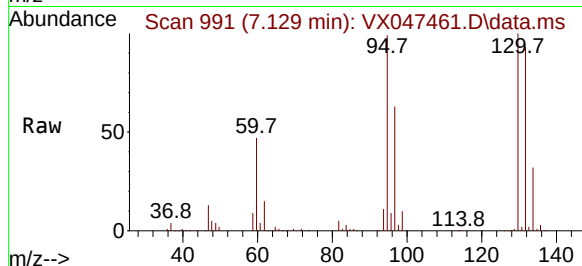
ClientSampleId :

MW-19B-71.5-081325-FD

Tgt Ion:130 Resp: 380783

Ion Ratio Lower Upper

|     |      |     |       |
|-----|------|-----|-------|
| 130 | 100  |     |       |
| 95  | 99.5 | 0.0 | 198.6 |



#50

Toluene-d8

Concen: 49.101 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.000 min

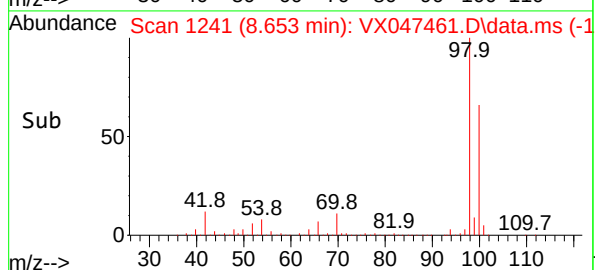
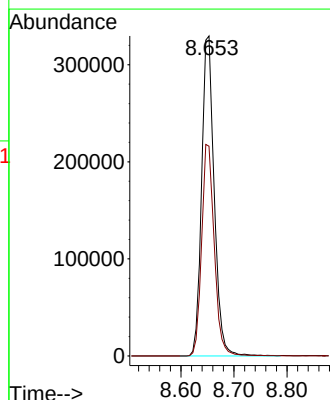
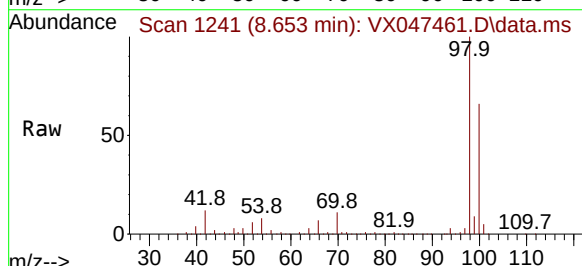
Lab File: VX047461.D

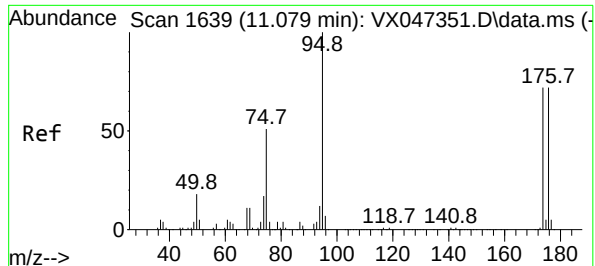
Acq: 21 Aug 2025 12:00

Tgt Ion: 98 Resp: 544241

Ion Ratio Lower Upper

|     |      |      |      |
|-----|------|------|------|
| 98  | 100  |      |      |
| 100 | 66.4 | 53.9 | 80.9 |

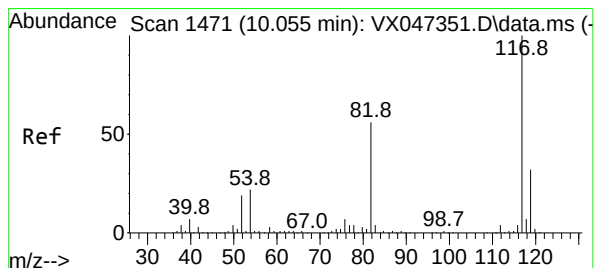
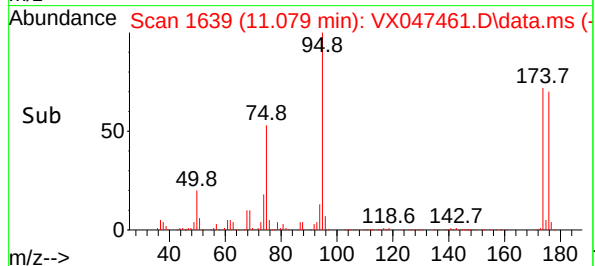
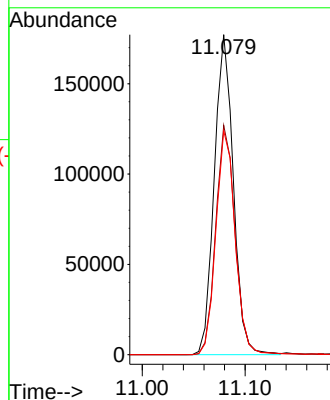
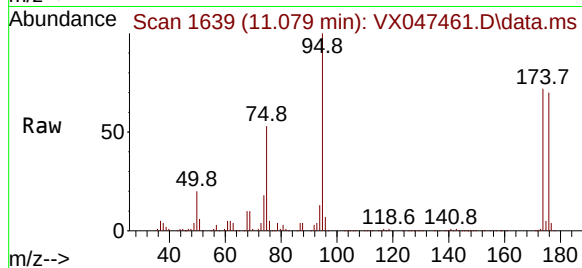




#62  
4-Bromofluorobenzene  
Concen: 55.674 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX047461.D  
Acq: 21 Aug 2025 12:00

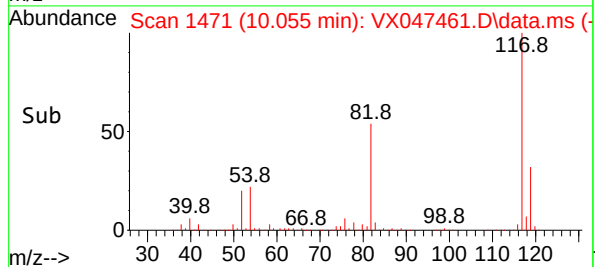
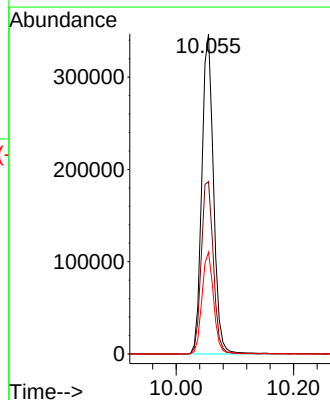
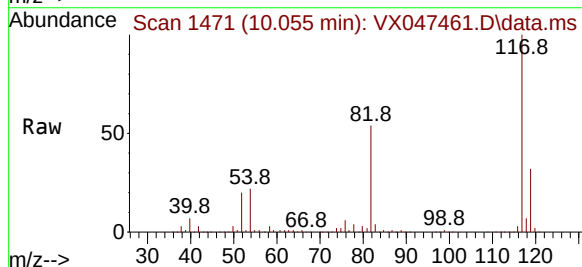
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-19B-71.5-081325-FD

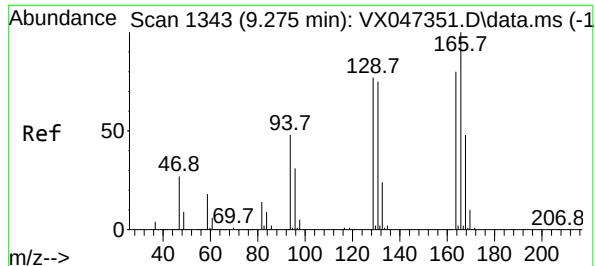
Tgt Ion: 95 Resp: 227719  
Ion Ratio Lower Upper  
95 100  
174 72.9 0.0 148.0  
176 71.2 0.0 145.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX047461.D  
Acq: 21 Aug 2025 12:00

Tgt Ion: 117 Resp: 477729  
Ion Ratio Lower Upper  
117 100  
82 53.8 45.0 67.4  
119 31.8 25.8 38.8





#64

Tetrachloroethene

Concen: 4.558 ug/l

RT: 9.275 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX047461.D

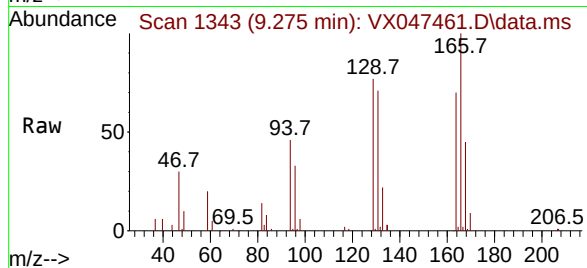
Acq: 21 Aug 2025 12:00

Instrument :

MSVOA\_X

ClientSampleId :

MW-19B-71.5-081325-FD



Tgt Ion:164 Resp: 15750

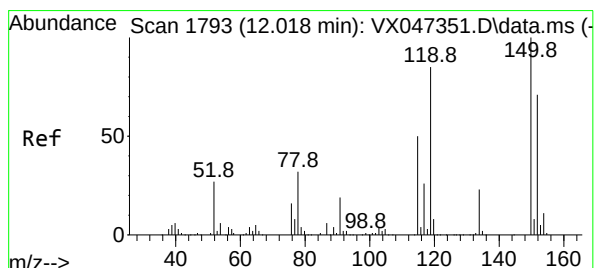
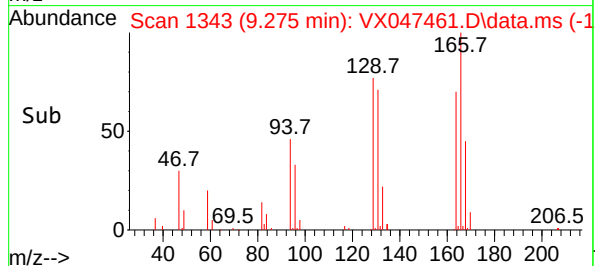
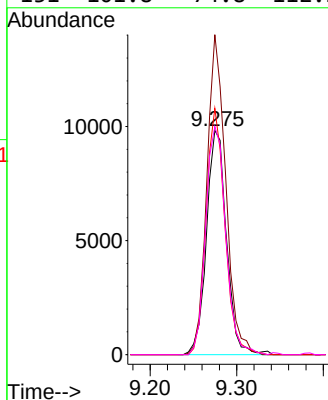
Ion Ratio Lower Upper

164 100

166 142.7 100.3 150.5

129 109.8 77.7 116.5

131 101.8 74.8 112.2



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VX047461.D

Acq: 21 Aug 2025 12:00

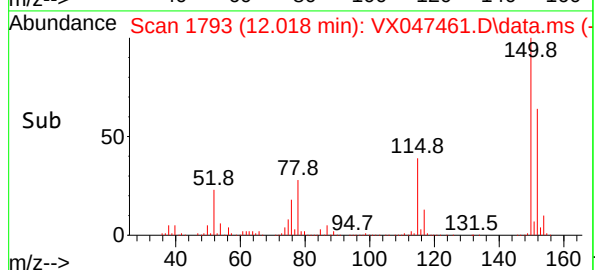
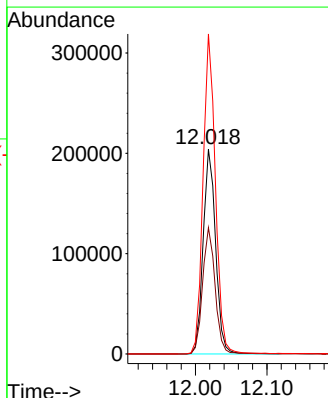
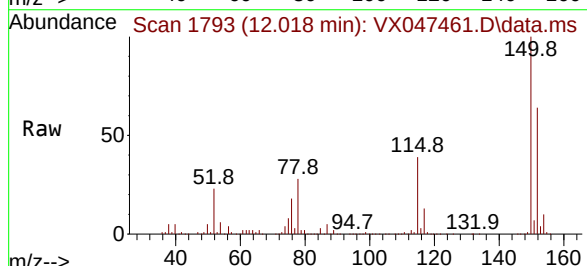
Tgt Ion:152 Resp: 247621

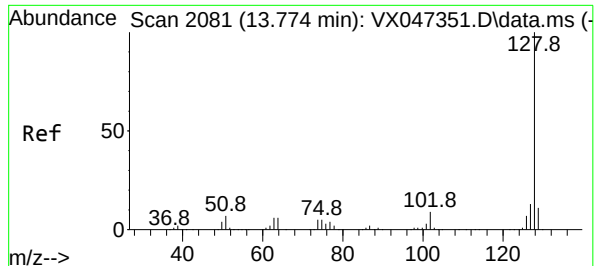
Ion Ratio Lower Upper

152 100

115 62.2 44.6 133.8

150 155.0 0.0 349.8





#95

Naphthalene

Concen: 0.470 ug/l

RT: 13.780 min Scan# 20

Delta R.T. 0.006 min

Lab File: VX047461.D

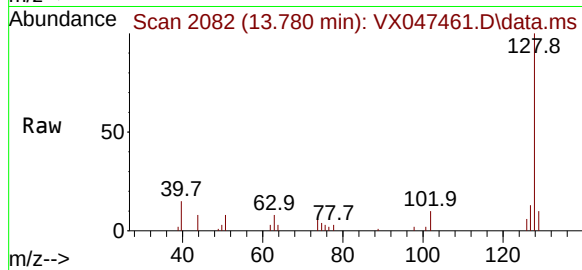
Acq: 21 Aug 2025 12:00

Instrument :

MSVOA\_X

ClientSampleId :

MW-19B-71.5-081325-FD



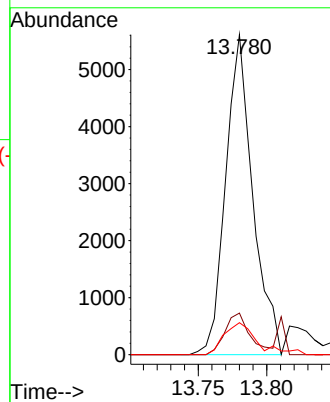
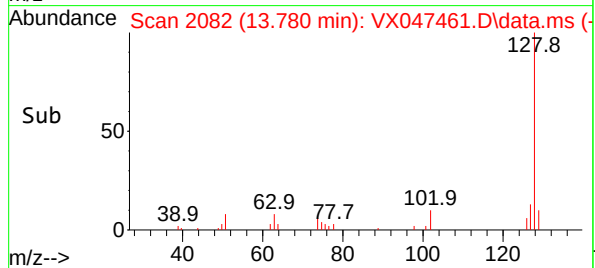
Tgt Ion:128 Resp: 7720

Ion Ratio Lower Upper

128 100

127 12.4 10.1 15.1

129 12.3 8.7 13.1



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX081925\  
Data File : VX047416.D  
Acq On : 19 Aug 2025 16:36  
Operator : JC/MD  
Sample : Q2869-07  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
EB01-081325

Quant Time: Aug 20 01:29:17 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X081525W.M  
Quant Title : SW846 8260  
QLast Update : Mon Aug 18 04:18:28 2025  
Response via : Initial Calibration

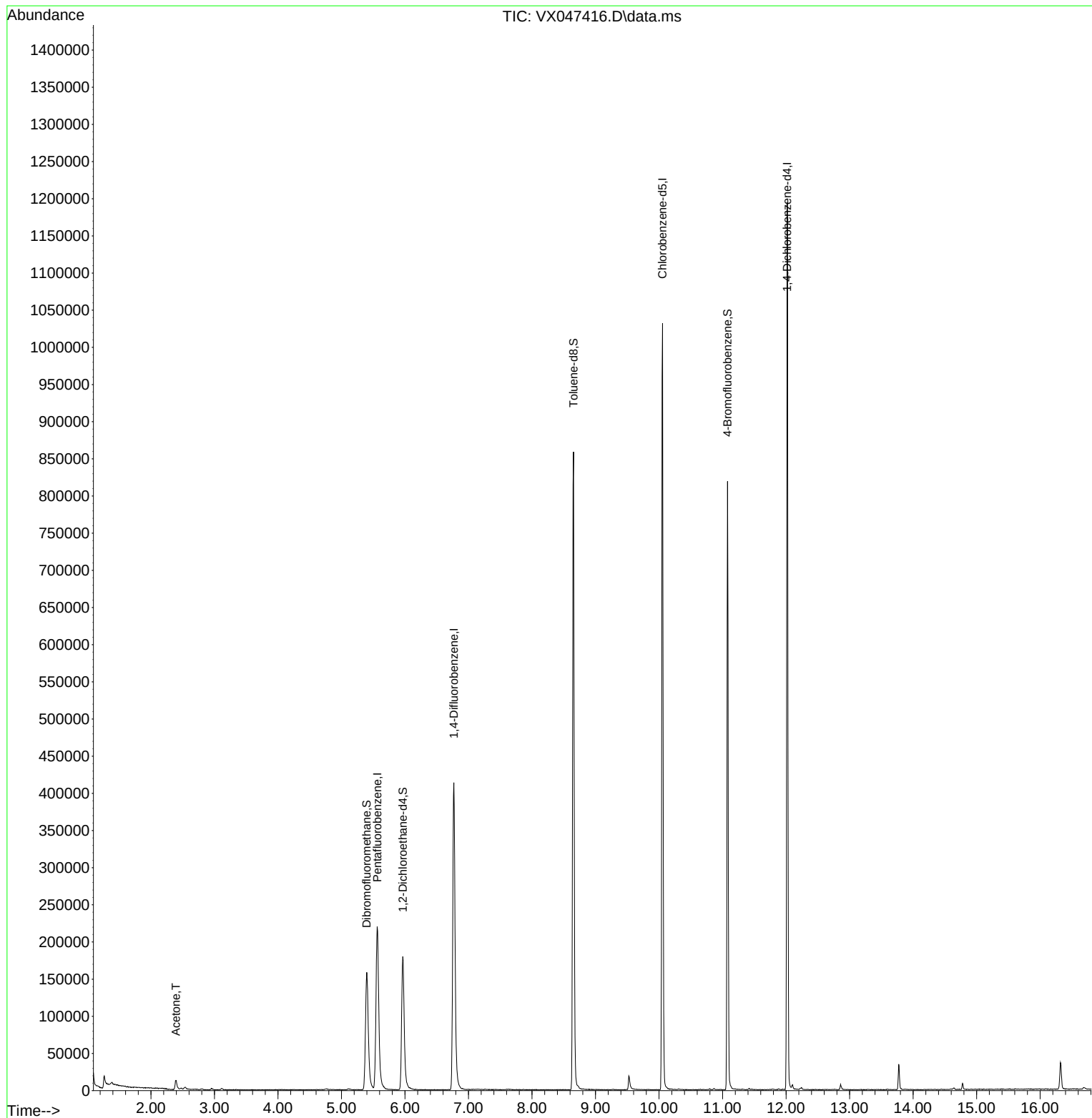
| Compound                    | R.T.   | QIon           | Response | Conc        | Units | Dev(Min) |
|-----------------------------|--------|----------------|----------|-------------|-------|----------|
| -----                       |        |                |          |             |       |          |
| Internal Standards          |        |                |          |             |       |          |
| 1) Pentafluorobenzene       | 5.562  | 168            | 223227   | 50.000      | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.769  | 114            | 449571   | 50.000      | ug/l  | 0.00     |
| 63) Chlorobenzene-d5        | 10.055 | 117            | 464745   | 50.000      | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.018 | 152            | 238761   | 50.000      | ug/l  | 0.00     |
| System Monitoring Compounds |        |                |          |             |       |          |
| 33) 1,2-Dichloroethane-d4   | 5.964  | 65             | 190215   | 60.886      | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range 78 - 117 | Recovery | = 121.780%# |       |          |
| 35) Dibromofluoromethane    | 5.397  | 113            | 150935   | 51.730      | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range 75 - 124 | Recovery | = 103.460%  |       |          |
| 50) Toluene-d8              | 8.653  | 98             | 521428   | 49.999      | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range 92 - 112 | Recovery | = 100.000%  |       |          |
| 62) 4-Bromofluorobenzene    | 11.079 | 95             | 220160   | 57.208      | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range 83 - 123 | Recovery | = 114.420%  |       |          |
| Target Compounds            |        |                |          |             |       |          |
| 16) Acetone                 | 2.392  | 43             | 17383    | 14.803      | ug/l  | 93       |

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

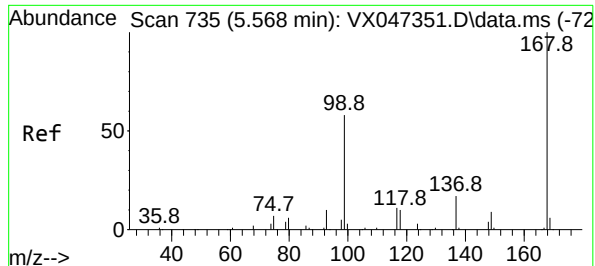
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX081925\  
Data File : VX047416.D  
Acq On : 19 Aug 2025 16:36  
Operator : JC/MD  
Sample : Q2869-07  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
EB01-081325

Quant Time: Aug 20 01:29:17 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X081525W.M  
Quant Title : SW846 8260  
QLast Update : Mon Aug 18 04:18:28 2025  
Response via : Initial Calibration





#1  
Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.562 min Scan# 71

Delta R.T. -0.006 min

Lab File: VX047416.D

Acq: 19 Aug 2025 16:36

Instrument :

MSVOA\_X

ClientSampleId :

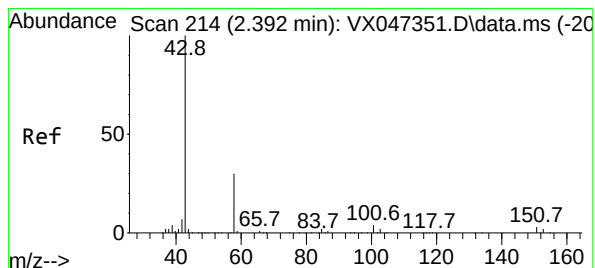
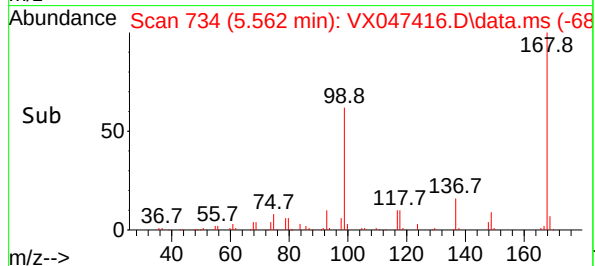
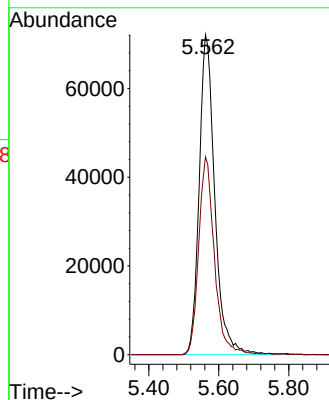
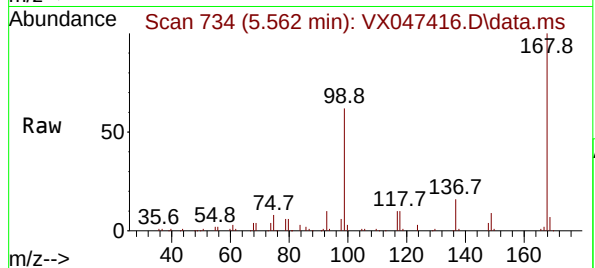
EB01-081325

Tgt Ion:168 Resp: 223227

Ion Ratio Lower Upper

168 100

99 61.8 47.9 71.9



#16

Acetone

Concen: 14.803 ug/l

RT: 2.392 min Scan# 214

Delta R.T. 0.000 min

Lab File: VX047416.D

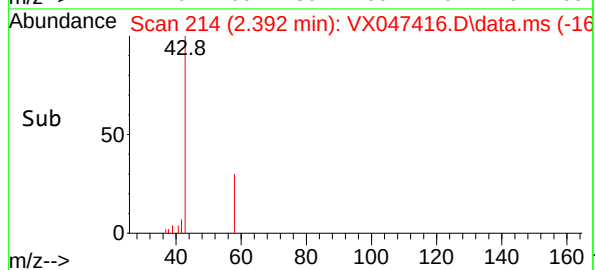
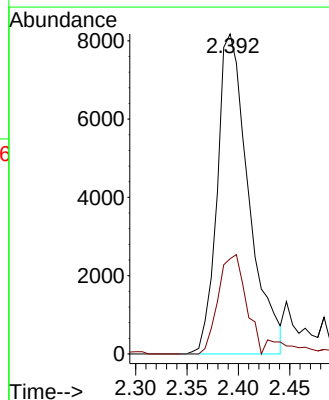
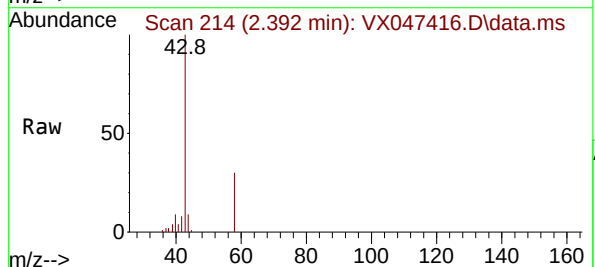
Acq: 19 Aug 2025 16:36

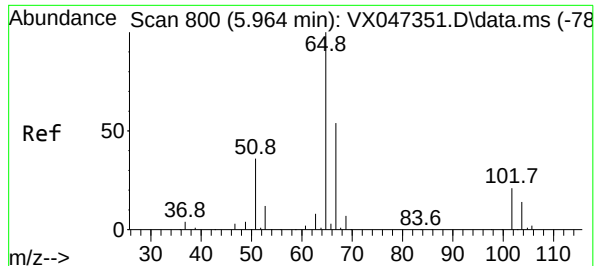
Tgt Ion: 43 Resp: 17383

Ion Ratio Lower Upper

43 100

58 27.3 24.8 37.2





#33

1,2-Dichloroethane-d4

Concen: 60.886 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

Lab File: VX047416.D

Acq: 19 Aug 2025 16:36

Instrument :

MSVOA\_X

ClientSampleId :

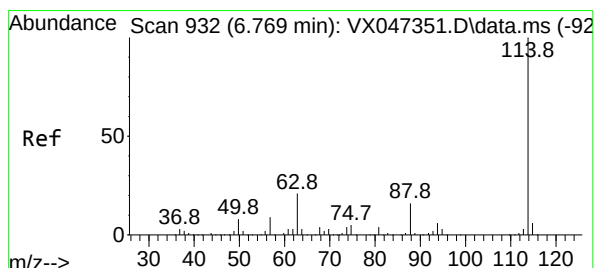
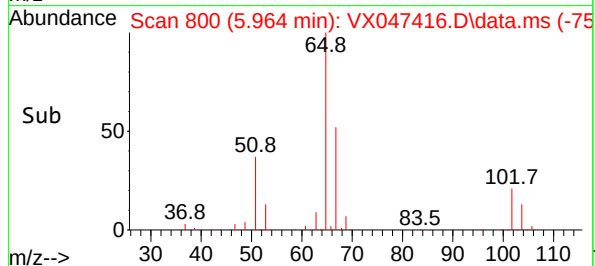
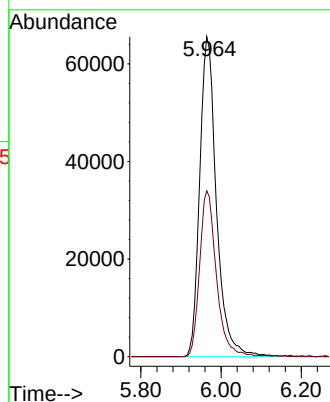
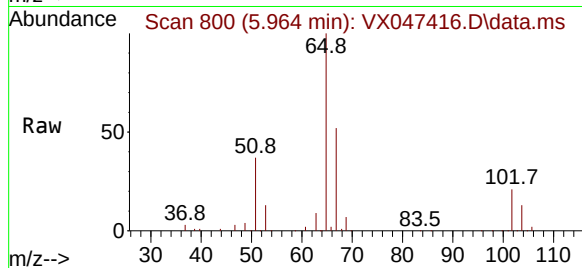
EB01-081325

Tgt Ion: 65 Resp: 190215

Ion Ratio Lower Upper

65 100

67 51.9 0.0 106.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.000 min

Lab File: VX047416.D

Acq: 19 Aug 2025 16:36

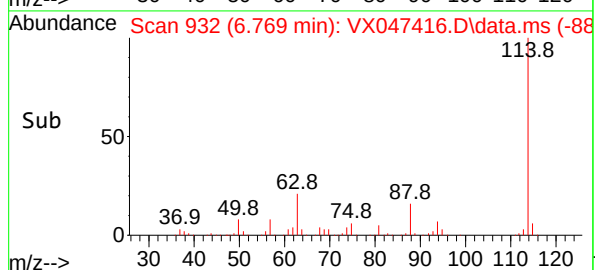
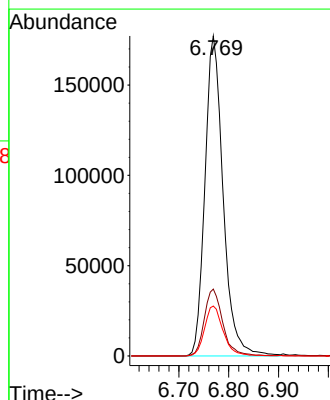
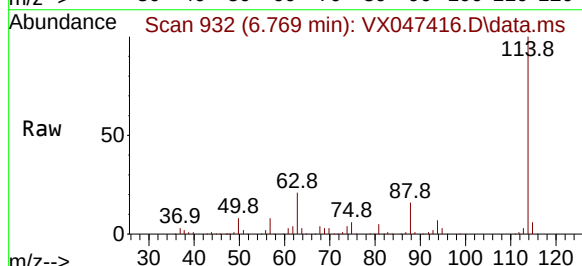
Tgt Ion: 114 Resp: 449571

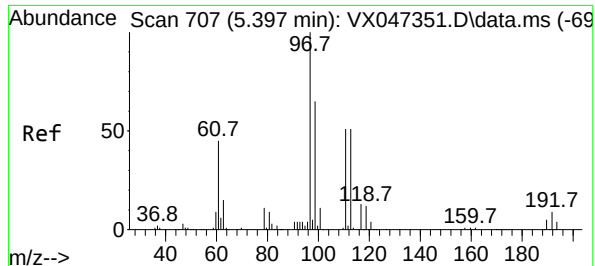
Ion Ratio Lower Upper

114 100

63 20.9 0.0 42.4

88 15.6 0.0 33.0





#35

Dibromofluoromethane

Concen: 51.730 ug/l

RT: 5.397 min Scan# 707

Delta R.T. 0.000 min

Lab File: VX047416.D

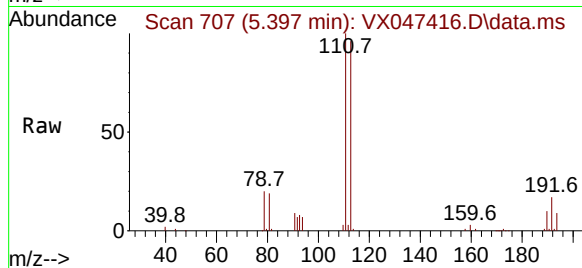
Acq: 19 Aug 2025 16:36

Instrument :

MSVOA\_X

ClientSampleId :

EB01-081325



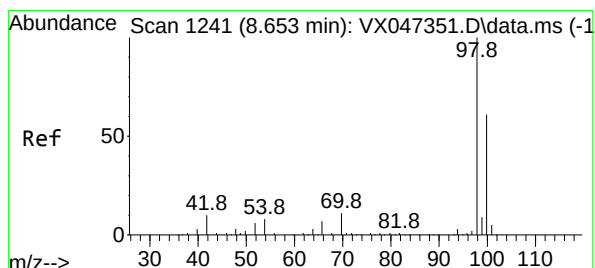
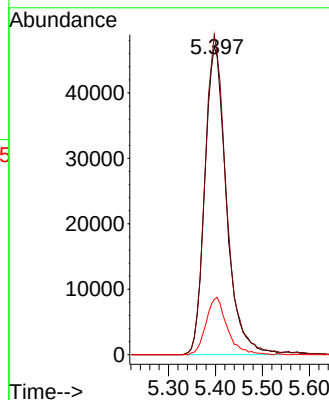
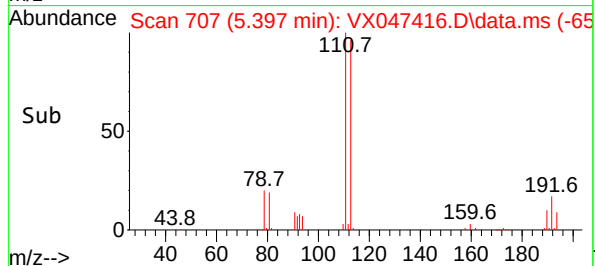
Tgt Ion:113 Resp: 150935

Ion Ratio Lower Upper

113 100

111 102.3 81.4 122.2

192 18.2 14.1 21.1



#50

Toluene-d8

Concen: 49.999 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.000 min

Lab File: VX047416.D

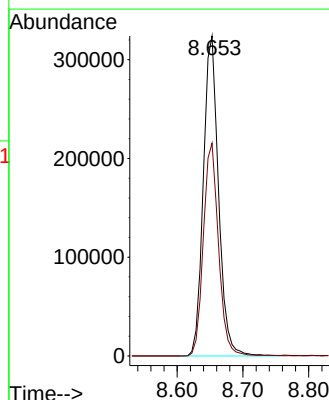
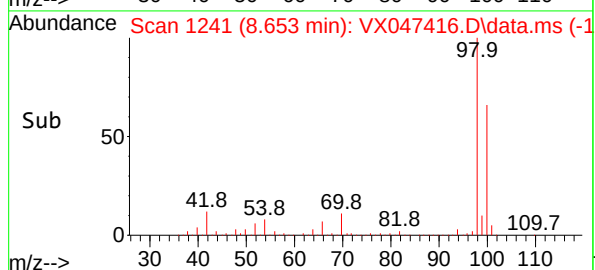
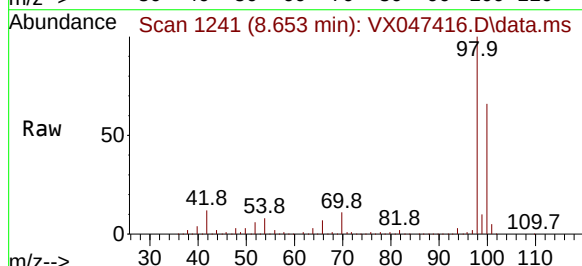
Acq: 19 Aug 2025 16:36

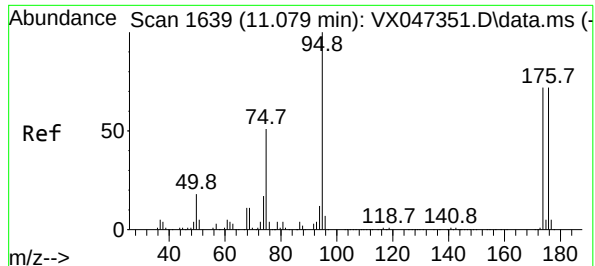
Tgt Ion: 98 Resp: 521428

Ion Ratio Lower Upper

98 100

100 66.4 53.9 80.9

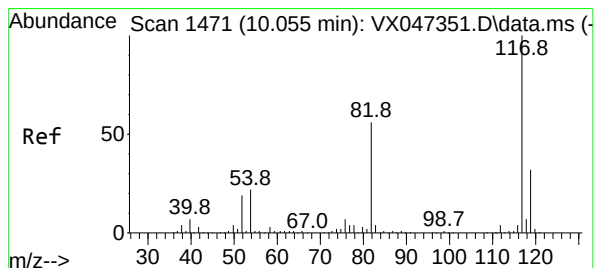
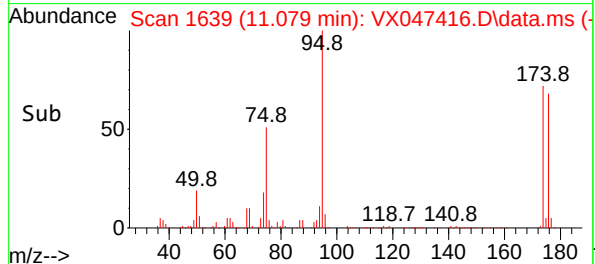
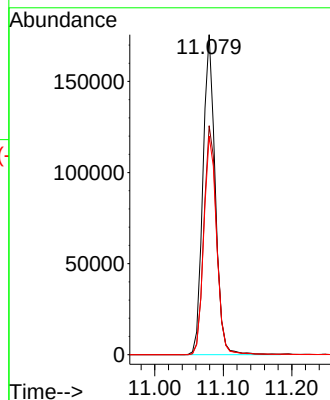
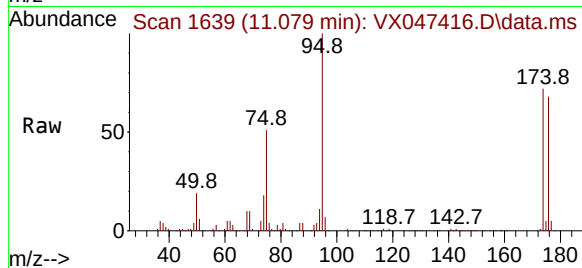




#62  
4-Bromofluorobenzene  
Concen: 57.208 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX047416.D  
Acq: 19 Aug 2025 16:36

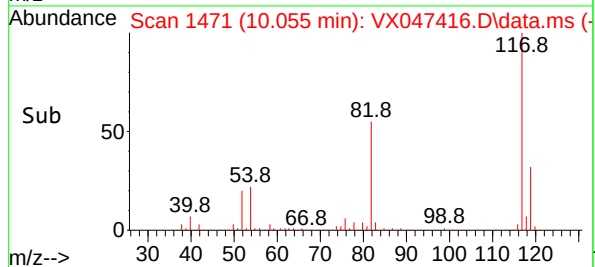
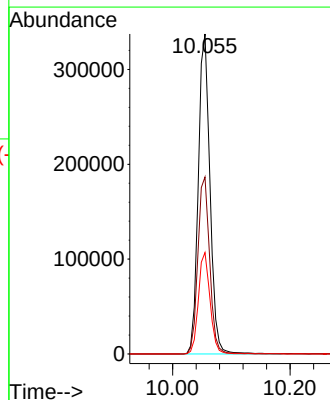
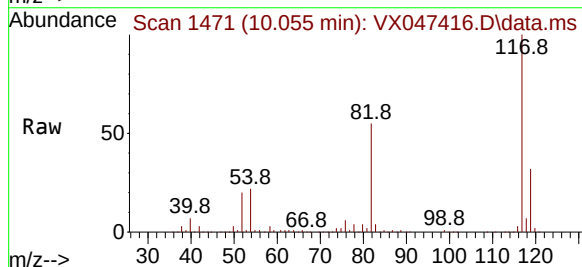
Instrument :  
MSVOA\_X  
ClientSampleId :  
EB01-081325

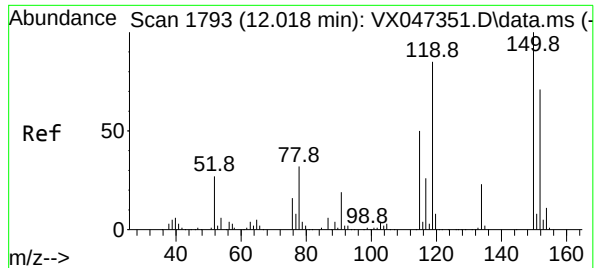
Tgt Ion: 95 Resp: 220160  
Ion Ratio Lower Upper  
95 100  
174 74.1 0.0 148.0  
176 71.2 0.0 145.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX047416.D  
Acq: 19 Aug 2025 16:36

Tgt Ion: 117 Resp: 464745  
Ion Ratio Lower Upper  
117 100  
82 55.3 45.0 67.4  
119 31.7 25.8 38.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX047416.D

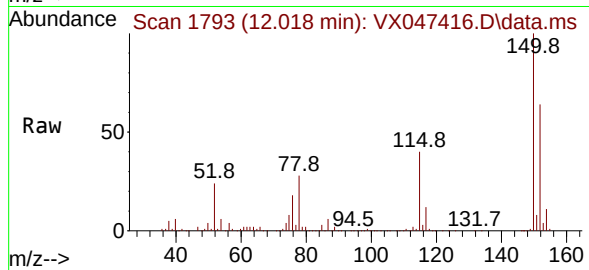
Acq: 19 Aug 2025 16:36

Instrument :

MSVOA\_X

ClientSampleId :

EB01-081325



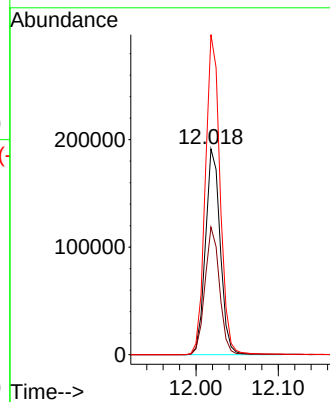
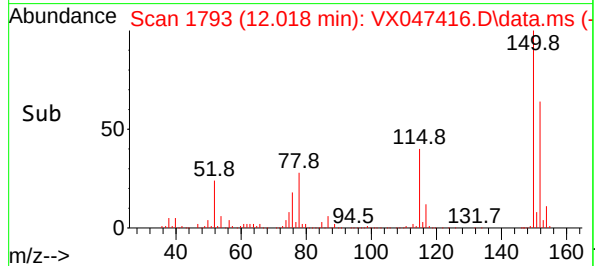
Tgt Ion:152 Resp: 238761

Ion Ratio Lower Upper

152 100

115 61.4 44.6 133.8

150 155.1 0.0 349.8



5

A

B

C

D

E

F

G

H

I

J

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX081925\  
 Data File : VX047417.D  
 Acq On : 19 Aug 2025 16:57  
 Operator : JC/MD  
 Sample : Q2869-10  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 EB02-081325

Quant Time: Aug 20 01:29:41 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X081525W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Aug 18 04:18:28 2025  
 Response via : Initial Calibration

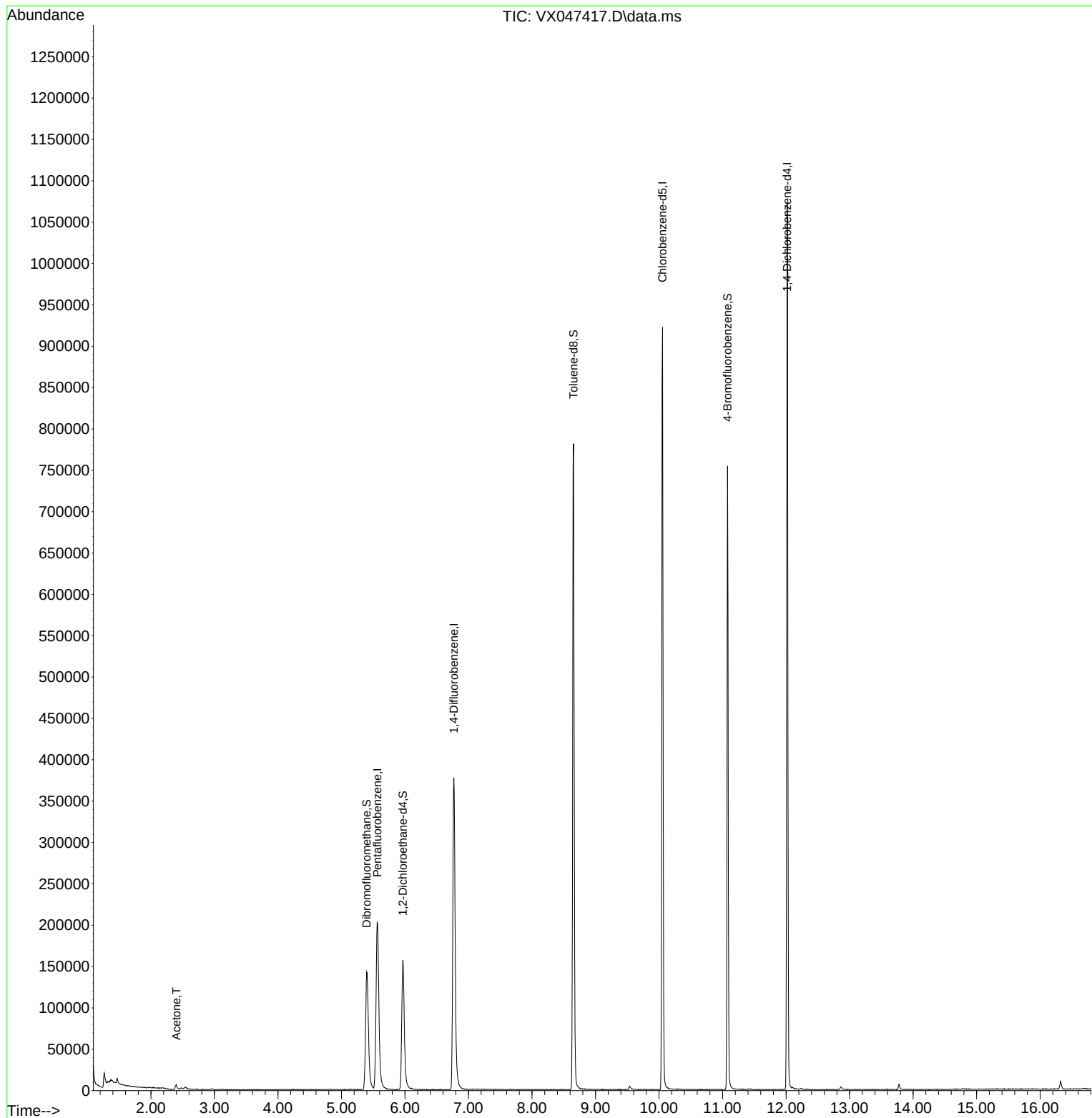
| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min)    |
|-----------------------------|--------|-------|----------|----------|-------|-------------|
| -----                       |        |       |          |          |       |             |
| Internal Standards          |        |       |          |          |       |             |
| 1) Pentafluorobenzene       | 5.562  | 168   | 205773   | 50.000   | ug/l  | 0.00        |
| 34) 1,4-Difluorobenzene     | 6.769  | 114   | 414097   | 50.000   | ug/l  | 0.00        |
| 63) Chlorobenzene-d5        | 10.055 | 117   | 417583   | 50.000   | ug/l  | 0.00        |
| 72) 1,4-Dichlorobenzene-d4  | 12.018 | 152   | 212656   | 50.000   | ug/l  | 0.00        |
| System Monitoring Compounds |        |       |          |          |       |             |
| 33) 1,2-Dichloroethane-d4   | 5.964  | 65    | 164219   | 57.023   | ug/l  | 0.00        |
| Spiked Amount               | 50.000 | Range | 78 - 117 | Recovery | =     | 114.040%    |
| 35) Dibromofluoromethane    | 5.397  | 113   | 137119   | 51.021   | ug/l  | 0.00        |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =     | 102.040%    |
| 50) Toluene-d8              | 8.653  | 98    | 483216   | 50.304   | ug/l  | 0.00        |
| Spiked Amount               | 50.000 | Range | 92 - 112 | Recovery | =     | 100.600%    |
| 62) 4-Bromofluorobenzene    | 11.079 | 95    | 199041   | 56.150   | ug/l  | 0.00        |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =     | 112.300%    |
| Target Compounds            |        |       |          |          |       |             |
| 16) Acetone                 | 2.398  | 43    | 8905     | 8.226    | ug/l  | Qvalue # 84 |
| -----                       |        |       |          |          |       |             |

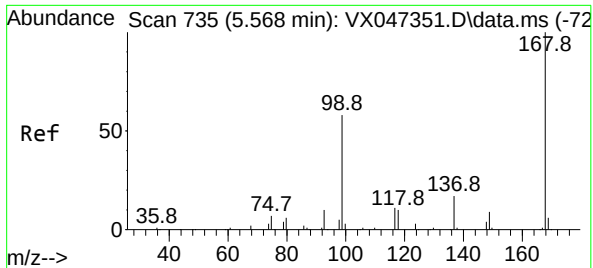
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX081925\  
Data File : VX047417.D  
Acq On : 19 Aug 2025 16:57  
Operator : JC/MD  
Sample : Q2869-10  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
EB02-081325

Quant Time: Aug 20 01:29:41 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X081525W.M  
Quant Title : SW846 8260  
QLast Update : Mon Aug 18 04:18:28 2025  
Response via : Initial Calibration

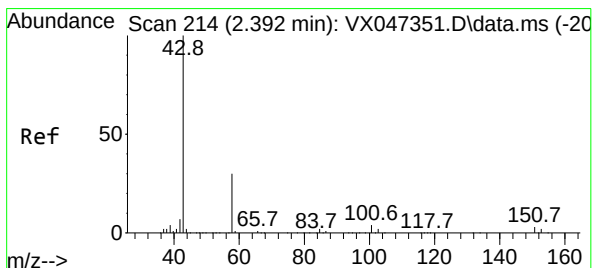
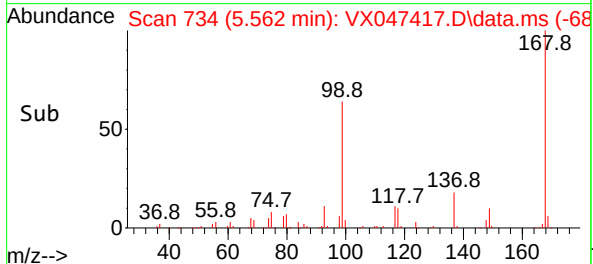
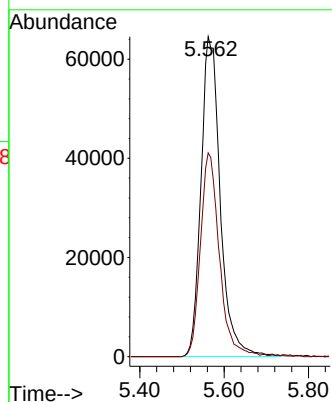
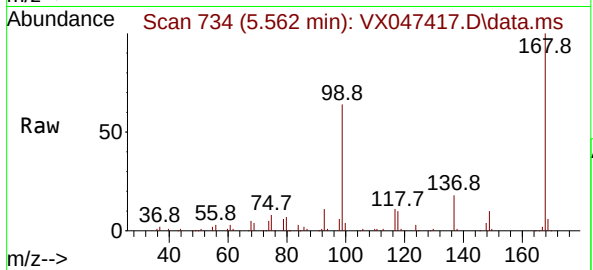




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.562 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: VX047417.D  
Acq: 19 Aug 2025 16:57

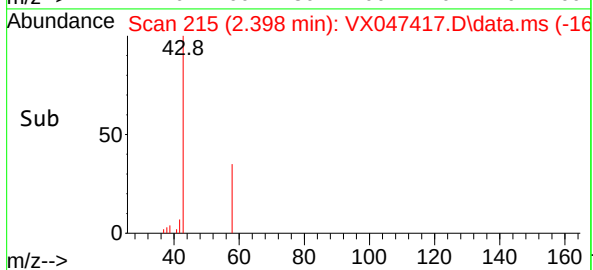
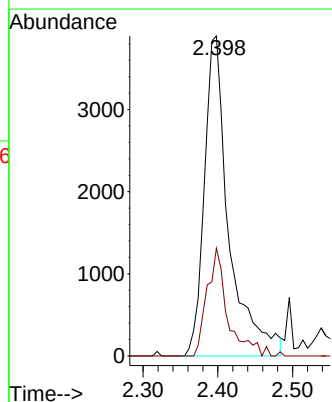
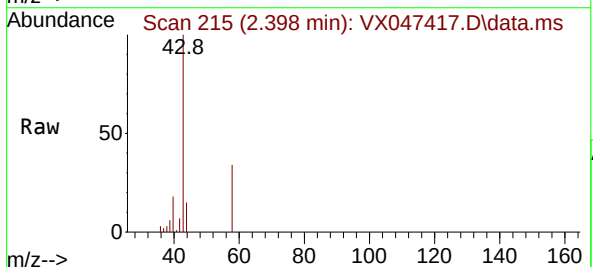
Instrument :  
MSVOA\_X  
ClientSampleId :  
EB02-081325

Tgt Ion:168 Resp: 205773  
Ion Ratio Lower Upper  
168 100  
99 63.7 47.9 71.9

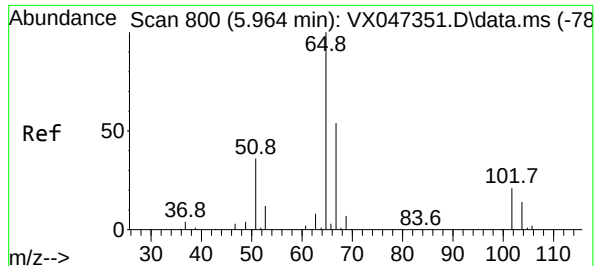


#16  
Acetone  
Concen: 8.226 ug/l  
RT: 2.398 min Scan# 215  
Delta R.T. 0.006 min  
Lab File: VX047417.D  
Acq: 19 Aug 2025 16:57

Tgt Ion: 43 Resp: 8905  
Ion Ratio Lower Upper  
43 100  
58 40.0 24.8 37.2#







#33

1,2-Dichloroethane-d4

Concen: 57.023 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

Lab File: VX047417.D

Acq: 19 Aug 2025 16:57

Instrument :

MSVOA\_X

ClientSampleId :

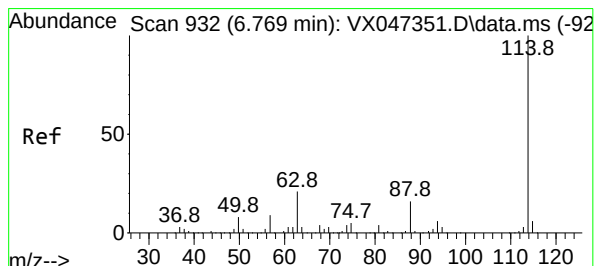
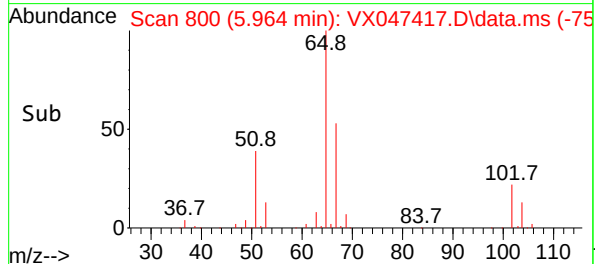
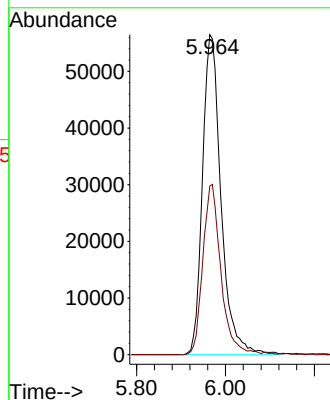
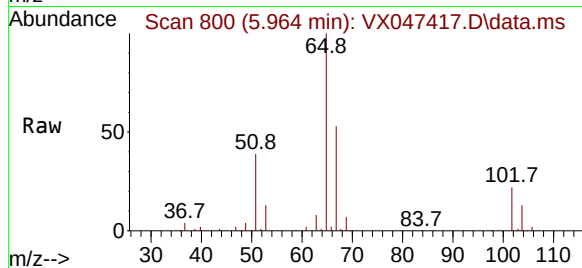
EB02-081325

Tgt Ion: 65 Resp: 164219

Ion Ratio Lower Upper

65 100

67 51.8 0.0 106.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.000 min

Lab File: VX047417.D

Acq: 19 Aug 2025 16:57

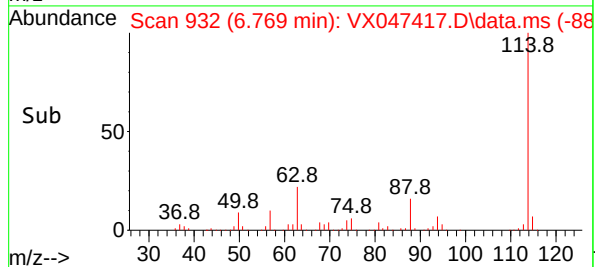
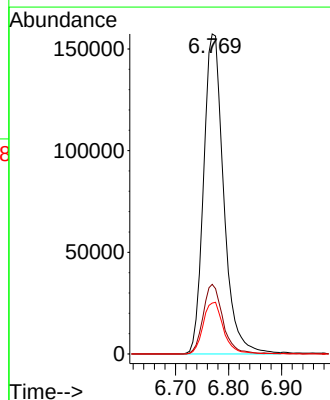
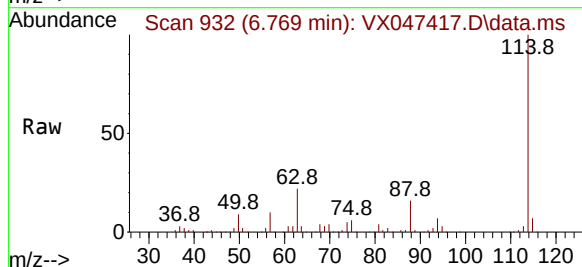
Tgt Ion: 114 Resp: 414097

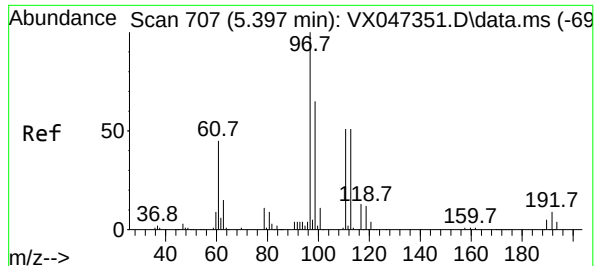
Ion Ratio Lower Upper

114 100

63 24.8 0.0 42.4

88 15.9 0.0 33.0





#35

Dibromofluoromethane

Concen: 51.021 ug/l

RT: 5.397 min Scan# 707

Delta R.T. 0.000 min

Lab File: VX047417.D

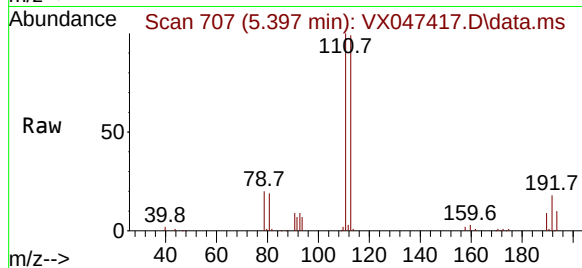
Acq: 19 Aug 2025 16:57

Instrument :

MSVOA\_X

ClientSampleId :

EB02-081325



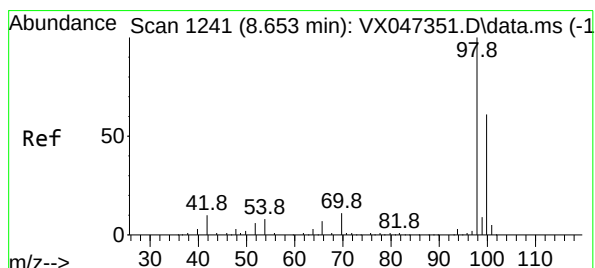
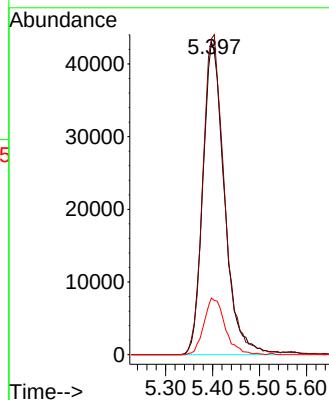
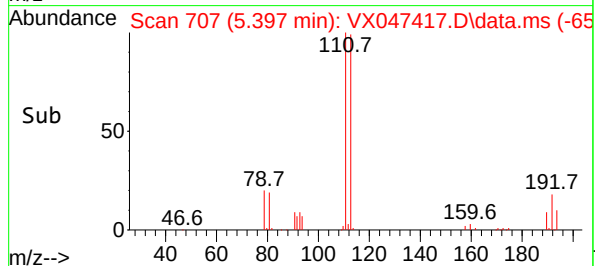
Tgt Ion:113 Resp: 137119

Ion Ratio Lower Upper

113 100

111 102.6 81.4 122.2

192 17.8 14.1 21.1



#50

Toluene-d8

Concen: 50.304 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.000 min

Lab File: VX047417.D

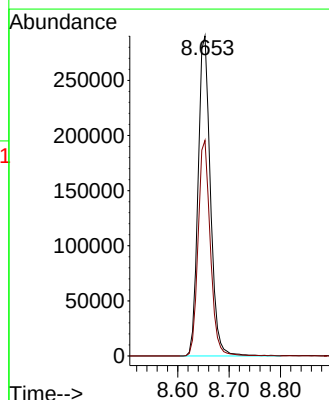
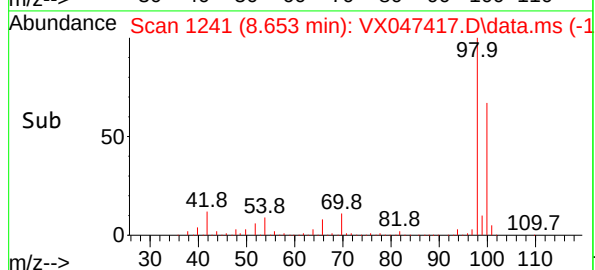
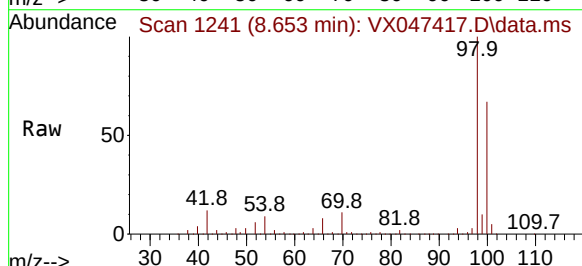
Acq: 19 Aug 2025 16:57

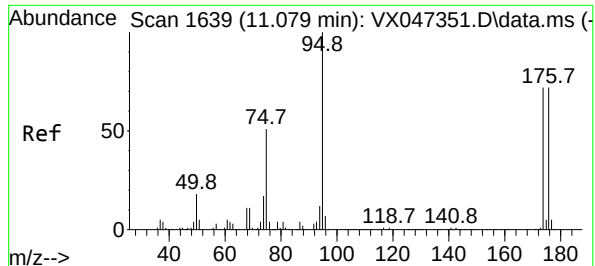
Tgt Ion: 98 Resp: 483216

Ion Ratio Lower Upper

98 100

100 66.8 53.9 80.9

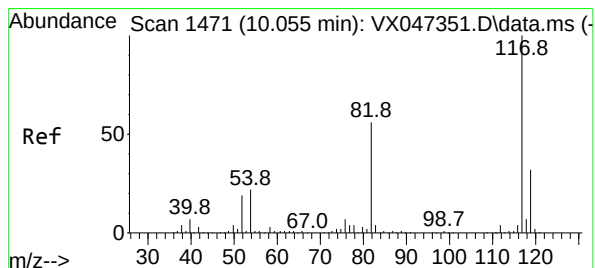
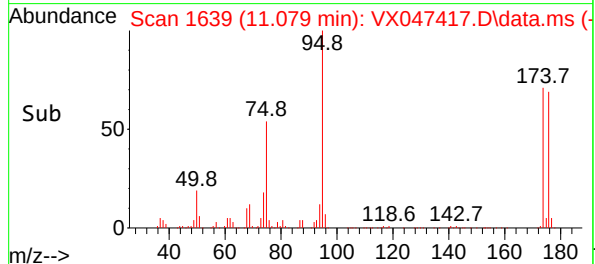
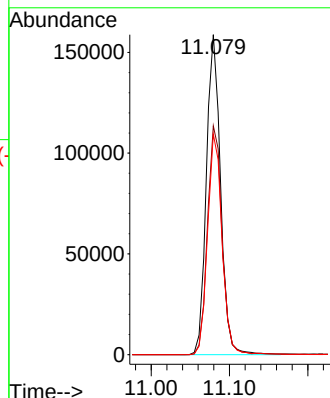
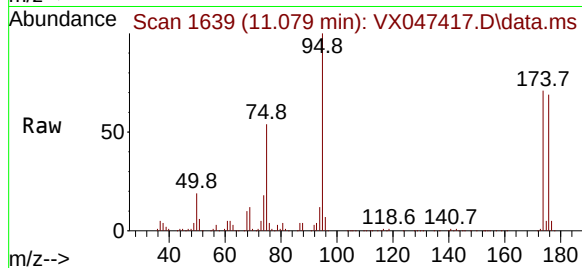




#62  
4-Bromofluorobenzene  
Concen: 56.150 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX047417.D  
Acq: 19 Aug 2025 16:57

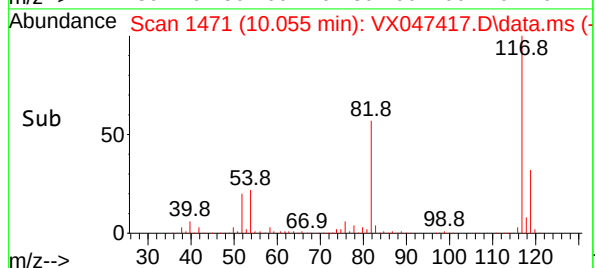
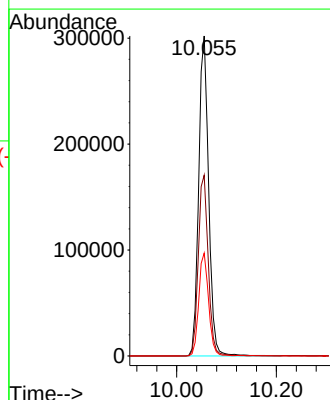
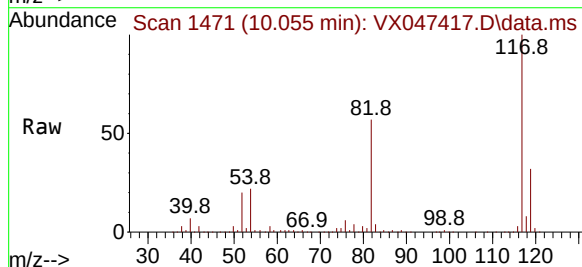
Instrument :  
MSVOA\_X  
ClientSampleId :  
EB02-081325

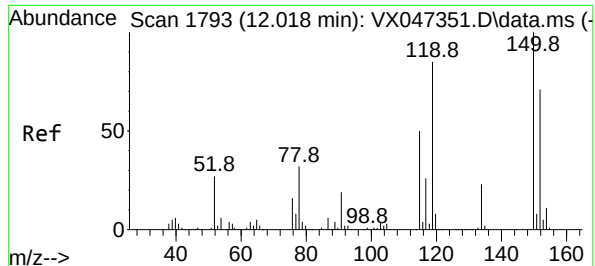
Tgt Ion: 95 Resp: 199041  
Ion Ratio Lower Upper  
95 100  
174 74.0 0.0 148.0  
176 70.7 0.0 145.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX047417.D  
Acq: 19 Aug 2025 16:57

Tgt Ion: 117 Resp: 417583  
Ion Ratio Lower Upper  
117 100  
82 56.5 45.0 67.4  
119 32.2 25.8 38.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX047417.D

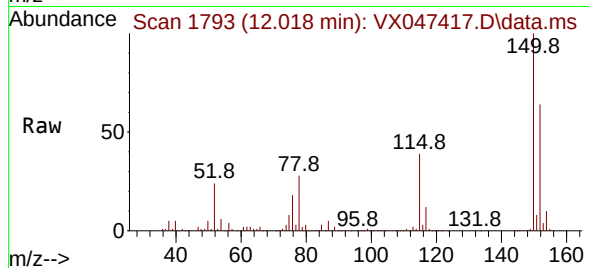
Acq: 19 Aug 2025 16:57

Instrument :

MSVOA\_X

ClientSampleId :

EB02-081325



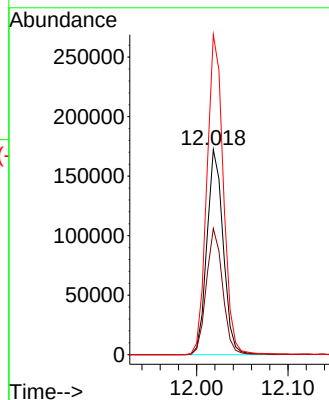
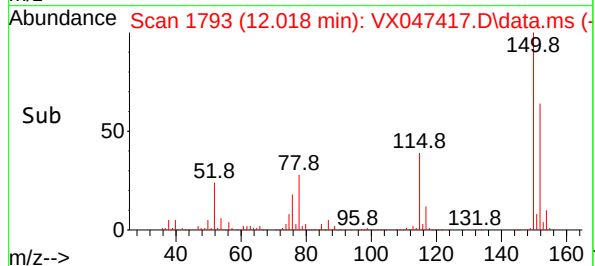
Tgt Ion:152 Resp: 212656

Ion Ratio Lower Upper

152 100

115 61.8 44.6 133.8

150 158.1 0.0 349.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX081925\  
Data File : VX047418.D  
Acq On : 19 Aug 2025 17:18  
Operator : JC/MD  
Sample : Q2869-11  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
TB01-081325

Quant Time: Aug 20 01:30:04 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X081525W.M  
Quant Title : SW846 8260  
QLast Update : Mon Aug 18 04:18:28 2025  
Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 5.562  | 168  | 204851   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.769  | 114  | 415100   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.055 | 117  | 420679   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152  | 219893   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |           |
|-----------------------------|--------|-------|----------|----------|------|-----------|
| System Monitoring Compounds |        |       |          |          |      |           |
| 33) 1,2-Dichloroethane-d4   | 5.964  | 65    | 167900   | 58.564   | ug/l | 0.00      |
| Spiked Amount               | 50.000 | Range | 78 - 117 | Recovery | =    | 117.120%# |
| 35) Dibromofluoromethane    | 5.397  | 113   | 134098   | 49.776   | ug/l | 0.00      |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 99.560%   |
| 50) Toluene-d8              | 8.653  | 98    | 464326   | 48.221   | ug/l | 0.00      |
| Spiked Amount               | 50.000 | Range | 92 - 112 | Recovery | =    | 96.440%   |
| 62) 4-Bromofluorobenzene    | 11.079 | 95    | 198402   | 55.835   | ug/l | 0.00      |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =    | 111.660%  |

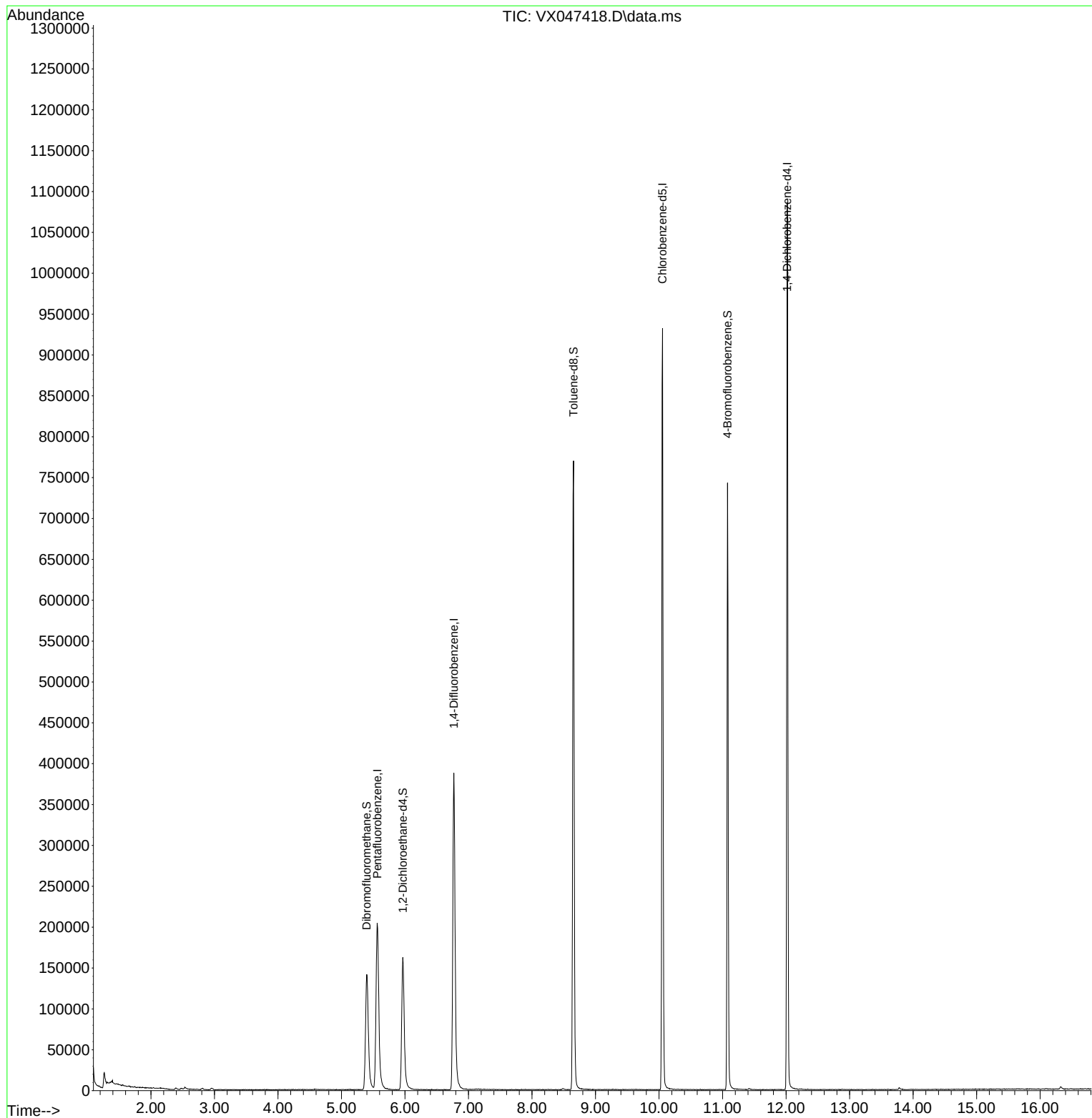
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

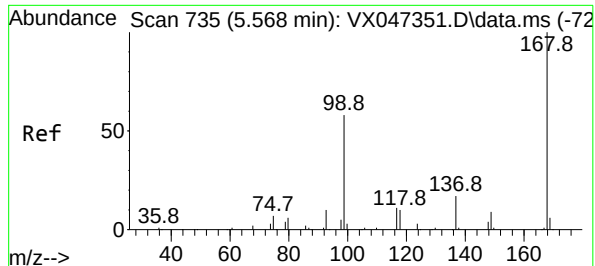
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX081925\  
Data File : VX047418.D  
Acq On : 19 Aug 2025 17:18  
Operator : JC/MD  
Sample : Q2869-11  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
TB01-081325

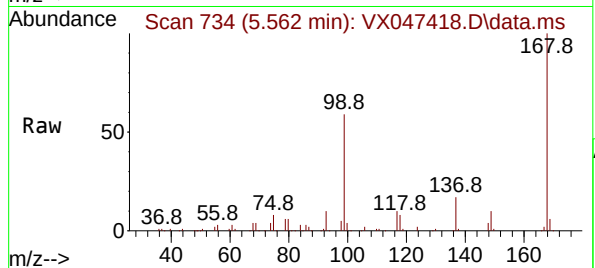
Quant Time: Aug 20 01:30:04 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X081525W.M  
Quant Title : SW846 8260  
QLast Update : Mon Aug 18 04:18:28 2025  
Response via : Initial Calibration



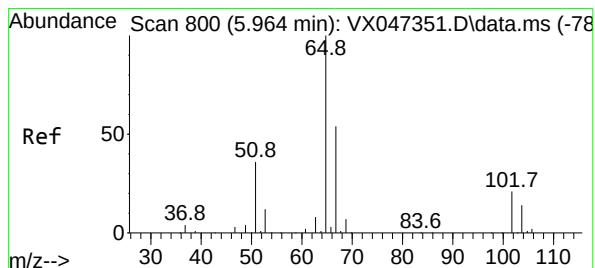
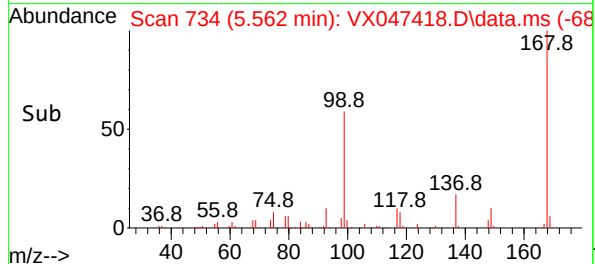
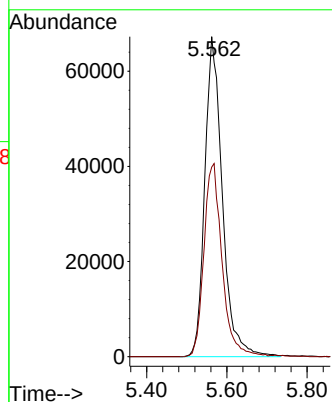


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.562 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: VX047418.D  
Acq: 19 Aug 2025 17:18

Instrument :  
MSVOA\_X  
ClientSampleId :  
TB01-081325

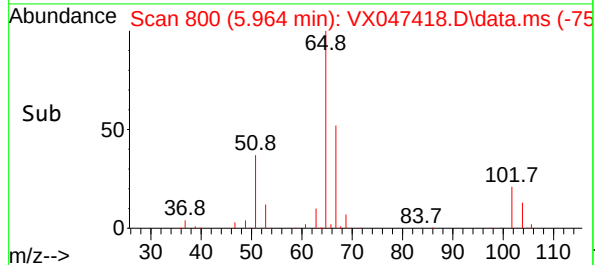
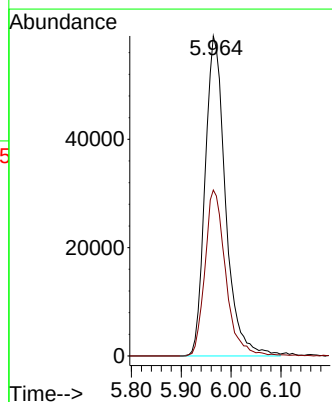
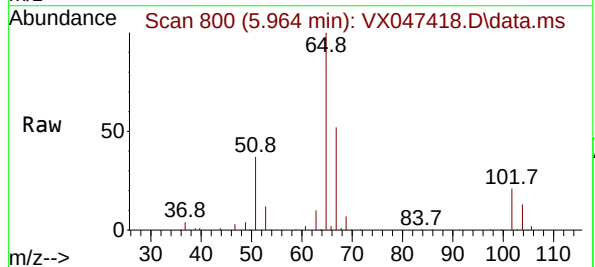


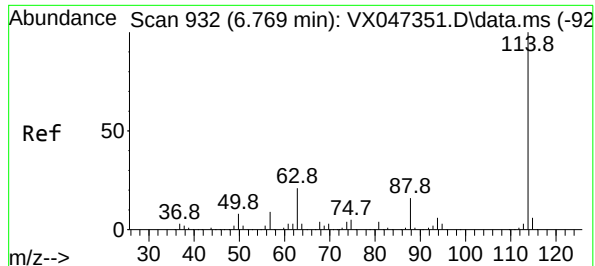
Tgt Ion:168 Resp: 204851  
Ion Ratio Lower Upper  
168 100  
99 59.3 47.9 71.9



#33  
1,2-Dichloroethane-d4  
Concen: 58.564 ug/l  
RT: 5.964 min Scan# 800  
Delta R.T. 0.000 min  
Lab File: VX047418.D  
Acq: 19 Aug 2025 17:18

Tgt Ion: 65 Resp: 167900  
Ion Ratio Lower Upper  
65 100  
67 52.9 0.0 106.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 91

Delta R.T. 0.000 min

Lab File: VX047418.D

Acq: 19 Aug 2025 17:18

Instrument :

MSVOA\_X

ClientSampleId :

TB01-081325

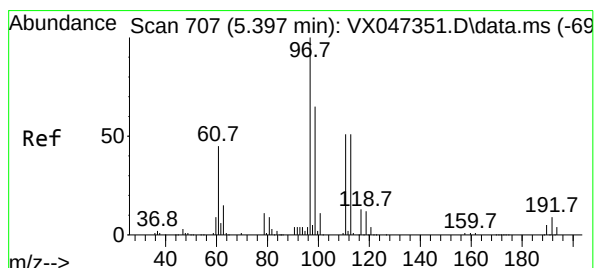
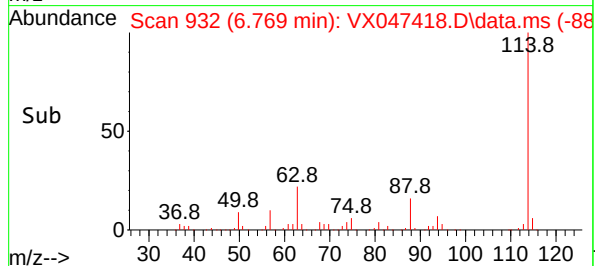
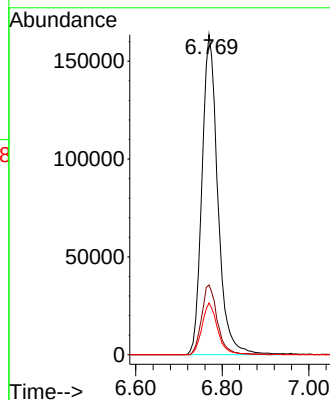
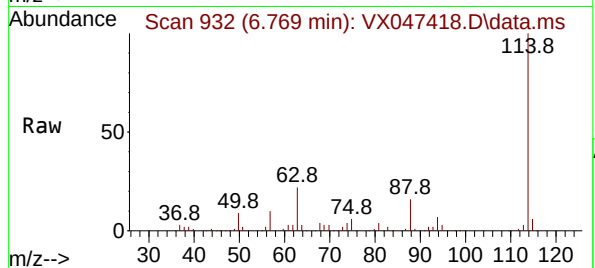
Tgt Ion:114 Resp: 415100

Ion Ratio Lower Upper

114 100

63 21.8 0.0 42.4

88 16.2 0.0 33.0



#35

Dibromofluoromethane

Concen: 49.776 ug/l

RT: 5.397 min Scan# 707

Delta R.T. 0.000 min

Lab File: VX047418.D

Acq: 19 Aug 2025 17:18

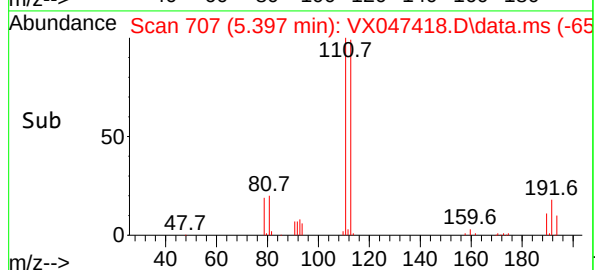
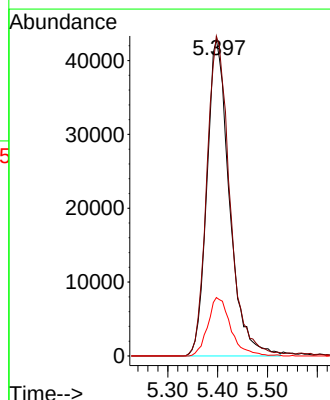
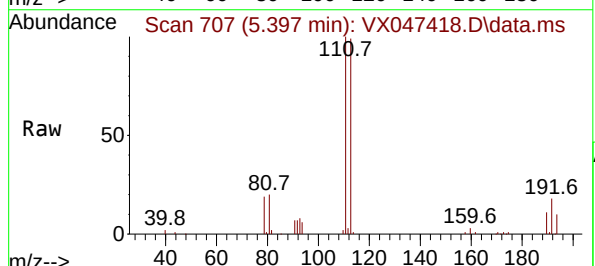
Tgt Ion:113 Resp: 134098

Ion Ratio Lower Upper

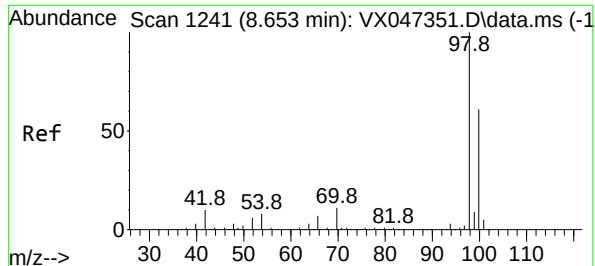
113 100

111 103.8 81.4 122.2

192 18.8 14.1 21.1







#50

Toluene-d8

Concen: 48.221 ug/l

RT: 8.653 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX047418.D

Acq: 19 Aug 2025 17:18

Instrument :

MSVOA\_X

ClientSampleId :

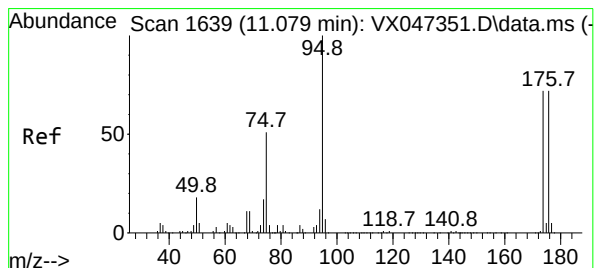
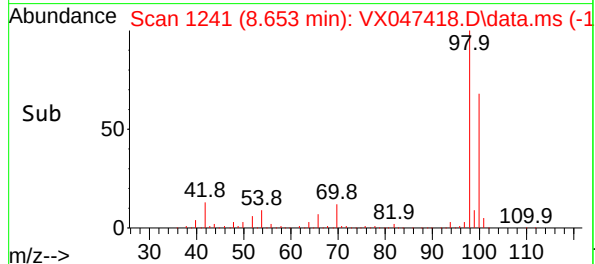
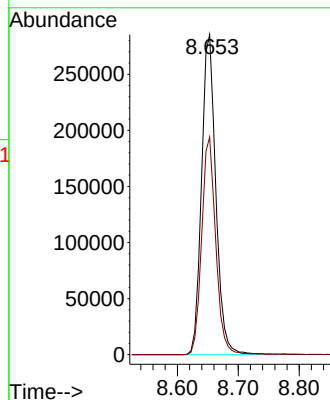
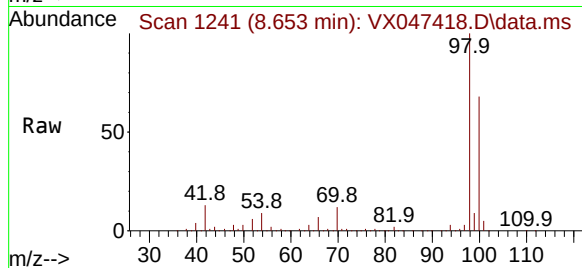
TB01-081325

Tgt Ion: 98 Resp: 464326

Ion Ratio Lower Upper

98 100

100 66.9 53.9 80.9



#62

4-Bromofluorobenzene

Concen: 55.835 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX047418.D

Acq: 19 Aug 2025 17:18

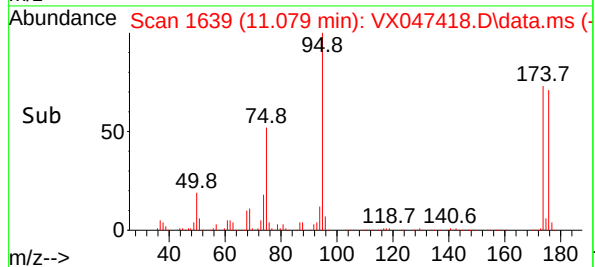
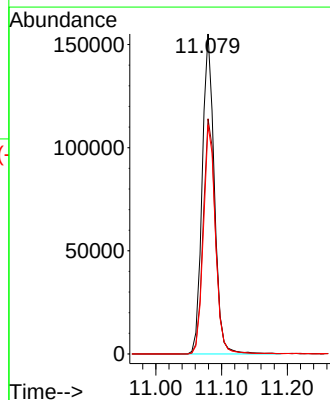
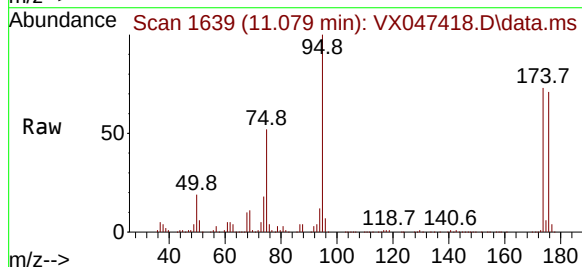
Tgt Ion: 95 Resp: 198402

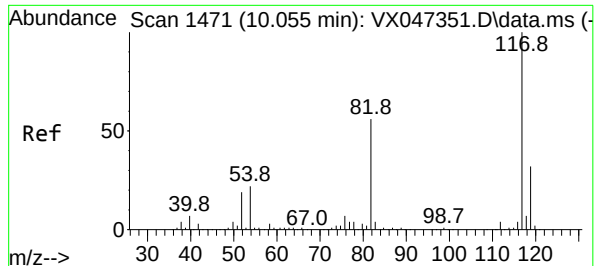
Ion Ratio Lower Upper

95 100

174 74.5 0.0 148.0

176 71.3 0.0 145.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX047418.D

Acq: 19 Aug 2025 17:18

Instrument :

MSVOA\_X

ClientSampleId :

TB01-081325

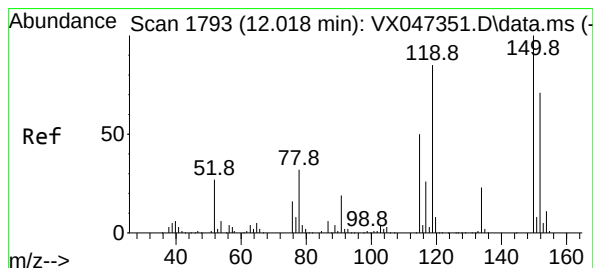
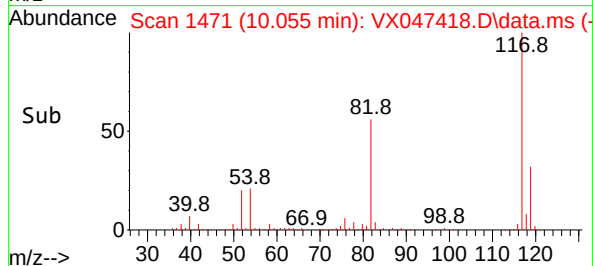
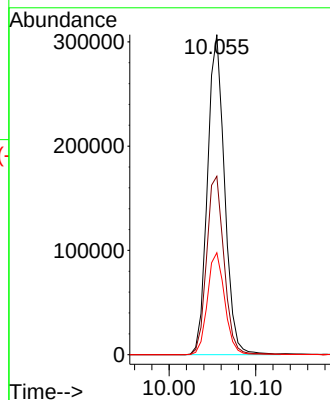
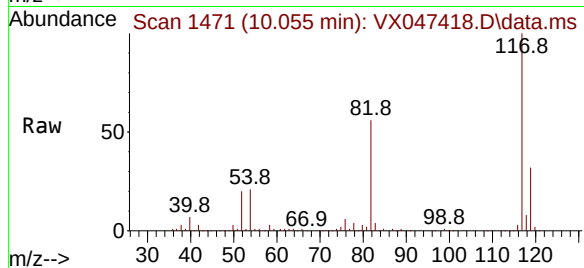
Tgt Ion:117 Resp: 420679

Ion Ratio Lower Upper

117 100

82 55.7 45.0 67.4

119 31.8 25.8 38.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VX047418.D

Acq: 19 Aug 2025 17:18

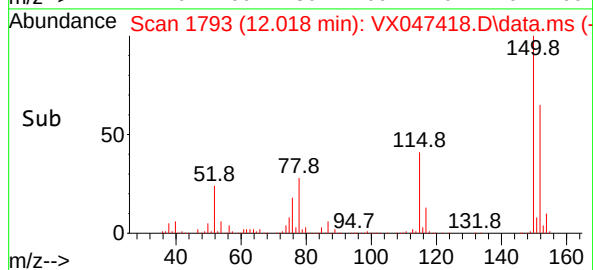
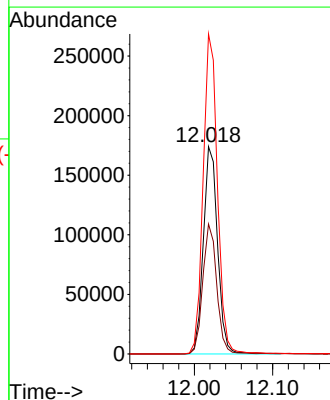
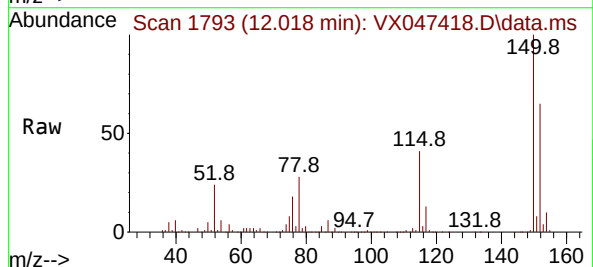
Tgt Ion:152 Resp: 219893

Ion Ratio Lower Upper

152 100

115 61.5 44.6 133.8

150 155.1 0.0 349.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX081925\  
Data File : VX047402.D  
Acq On : 19 Aug 2025 10:55  
Operator : JC/MD  
Sample : VX0819WBL01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0819WBL01

Quant Time: Aug 19 11:12:22 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X081525W.M  
Quant Title : SW846 8260  
QLast Update : Mon Aug 18 04:18:28 2025  
Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 5.562  | 168  | 204625   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.763  | 114  | 410508   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.055 | 117  | 416324   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152  | 212865   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 5.964  | 65    | 163941   | 57.246   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 78 - 117 | Recovery | =    | 114.500% |
| 35) Dibromofluoromethane    | 5.391  | 113   | 135590   | 50.893   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 101.780% |
| 50) Toluene-d8              | 8.647  | 98    | 471489   | 49.512   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 92 - 112 | Recovery | =    | 99.020%  |
| 62) 4-Bromofluorobenzene    | 11.079 | 95    | 197272   | 56.138   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =    | 112.280% |

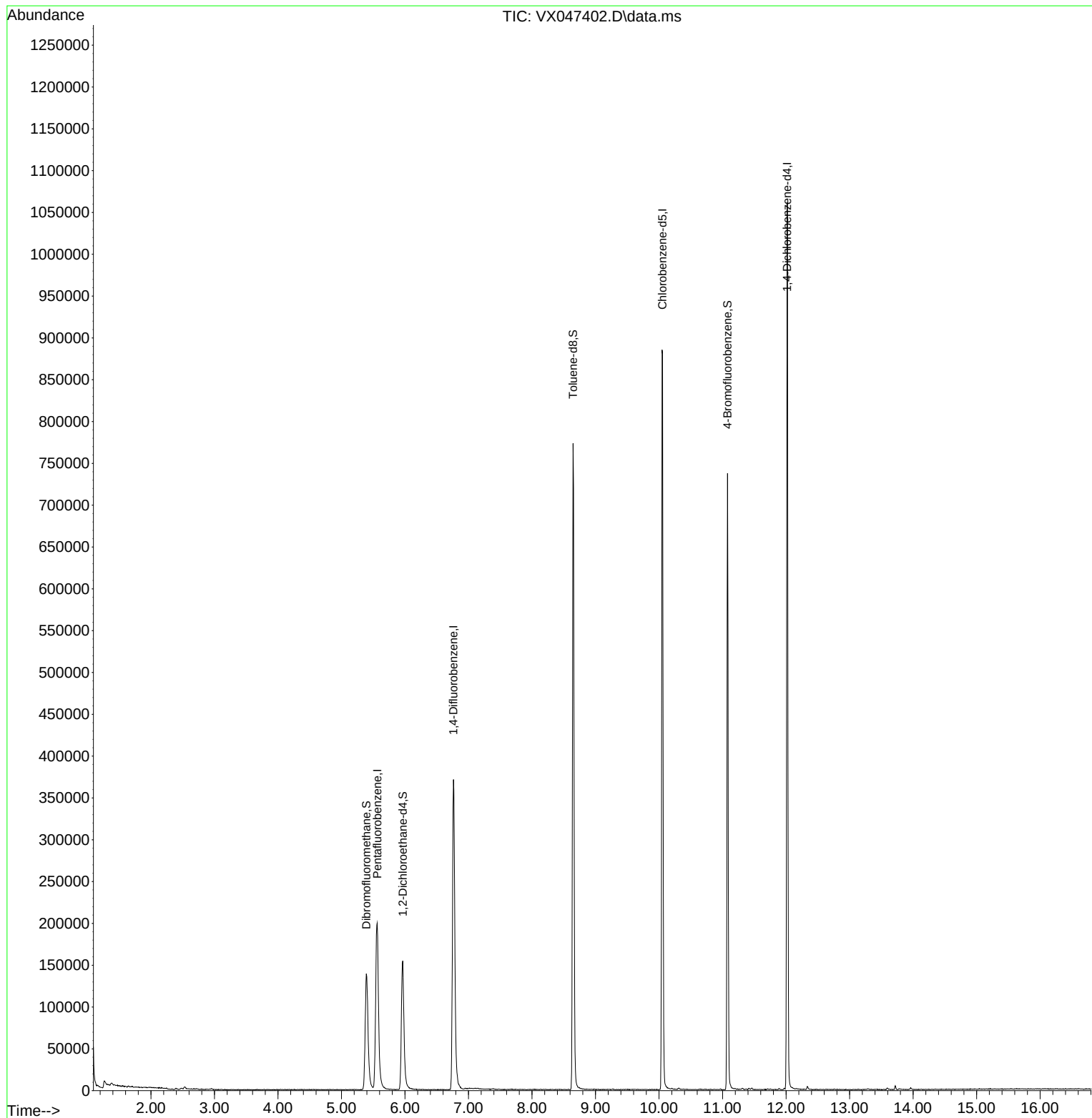
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

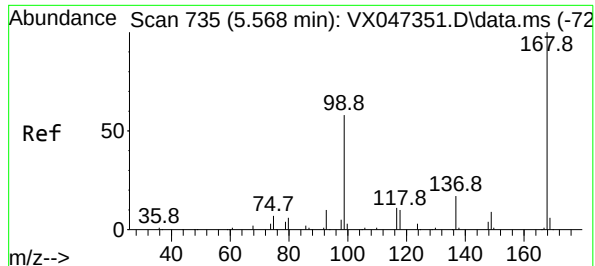
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX081925\  
Data File : VX047402.D  
Acq On : 19 Aug 2025 10:55  
Operator : JC/MD  
Sample : VX0819WBL01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0819WBL01

Quant Time: Aug 19 11:12:22 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X081525W.M  
Quant Title : SW846 8260  
QLast Update : Mon Aug 18 04:18:28 2025  
Response via : Initial Calibration



#1  
Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.562 min Scan# 71

Delta R.T. -0.006 min

Lab File: VX047402.D

Acq: 19 Aug 2025 10:55

Instrument :

MSVOA\_X

ClientSampleId :

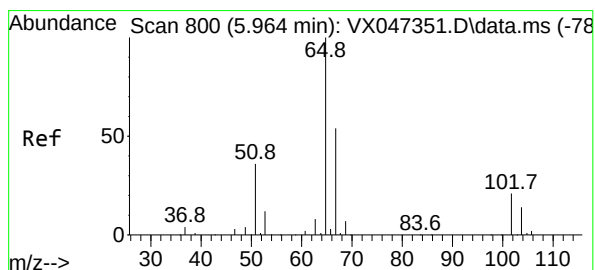
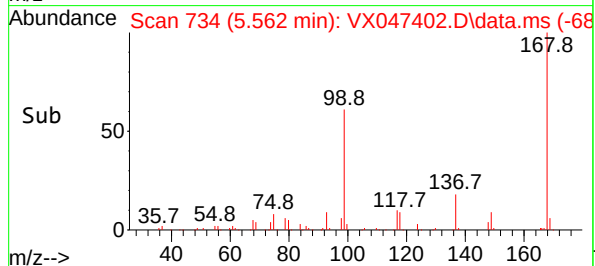
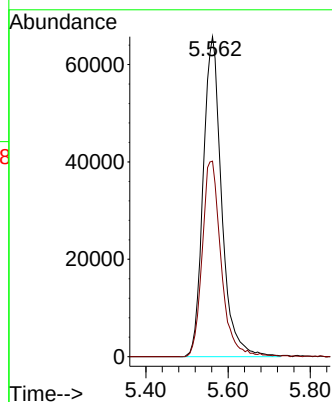
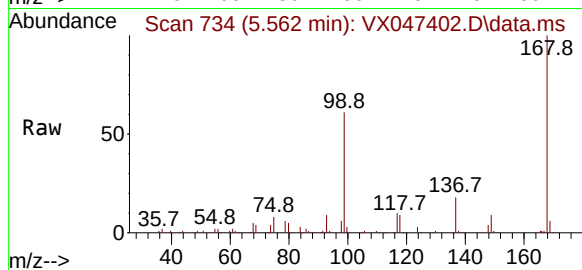
VX0819WBL01

Tgt Ion:168 Resp: 204625

Ion Ratio Lower Upper

168 100

99 61.1 47.9 71.9



#33

1,2-Dichloroethane-d4

Concen: 57.246 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

Lab File: VX047402.D

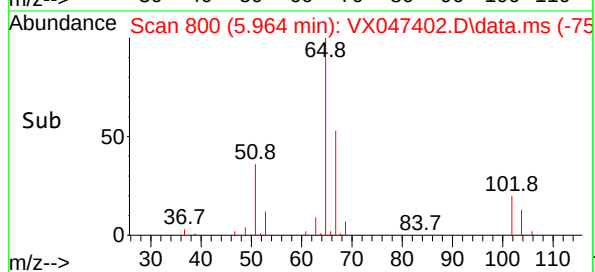
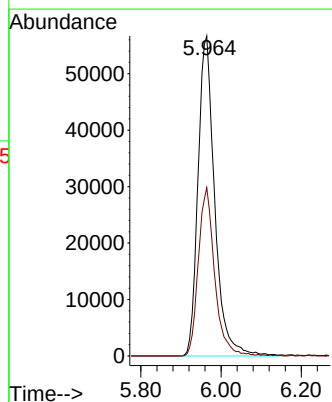
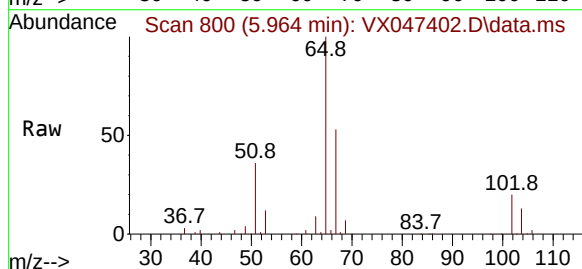
Acq: 19 Aug 2025 10:55

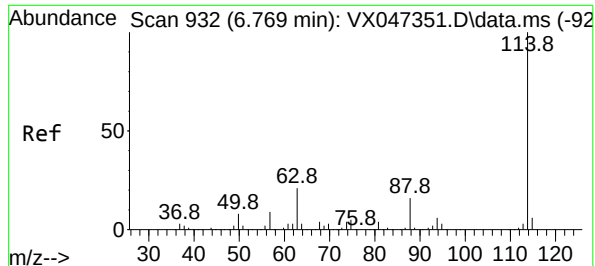
Tgt Ion: 65 Resp: 163941

Ion Ratio Lower Upper

65 100

67 51.3 0.0 106.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 91

Delta R.T. -0.006 min

Lab File: VX047402.D

Acq: 19 Aug 2025 10:55

Instrument :

MSVOA\_X

ClientSampleId :

VX0819WBL01

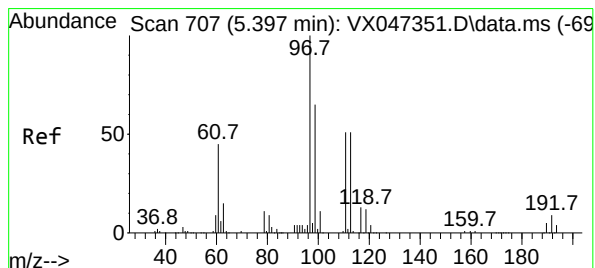
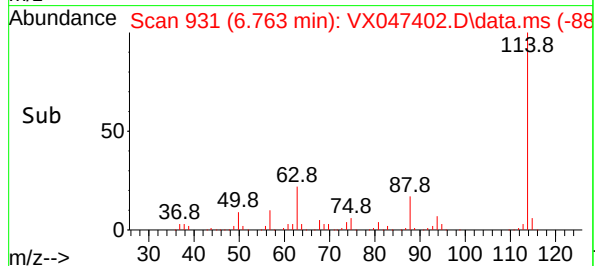
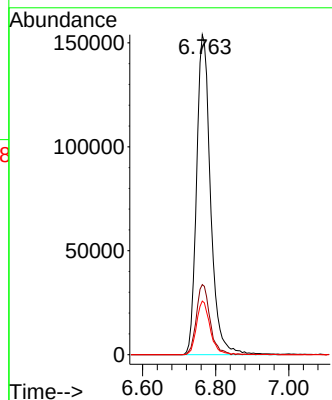
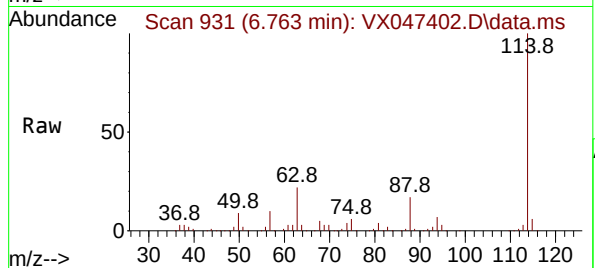
Tgt Ion:114 Resp: 410508

Ion Ratio Lower Upper

114 100

63 21.9 0.0 42.4

88 16.7 0.0 33.0



#35

Dibromofluoromethane

Concen: 50.893 ug/l

RT: 5.391 min Scan# 706

Delta R.T. -0.006 min

Lab File: VX047402.D

Acq: 19 Aug 2025 10:55

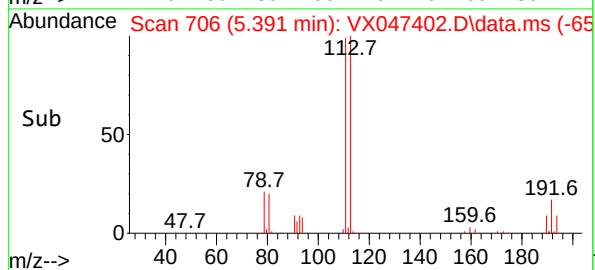
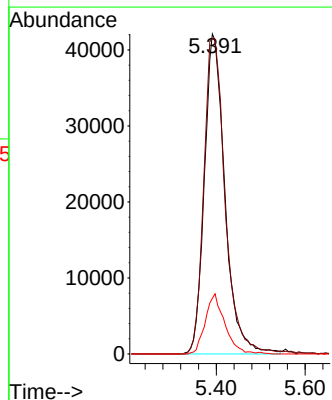
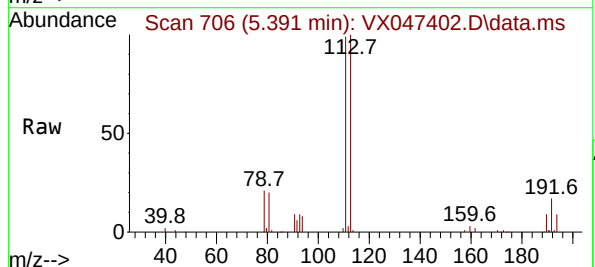
Tgt Ion:113 Resp: 135590

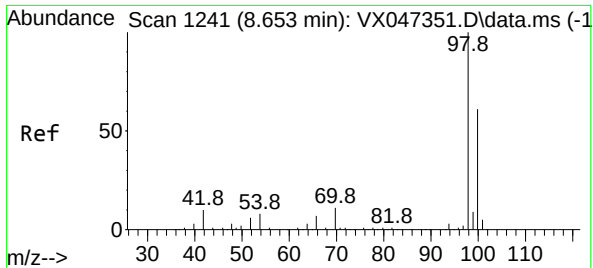
Ion Ratio Lower Upper

113 100

111 102.1 81.4 122.2

192 17.8 14.1 21.1

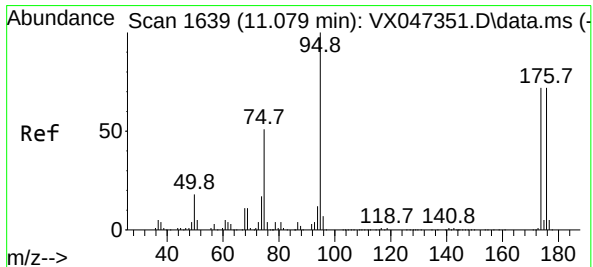
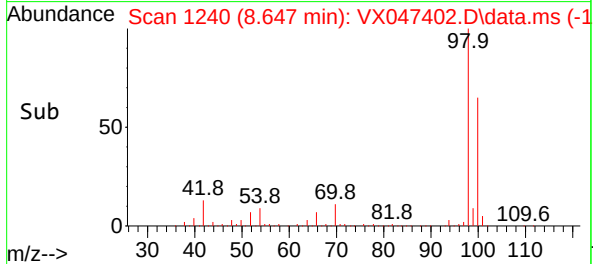
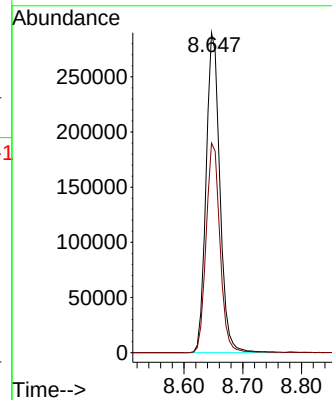
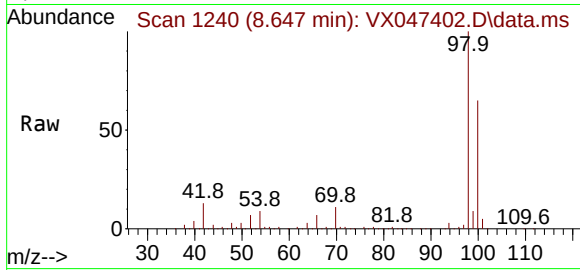




#50  
Toluene-d8  
Concen: 49.512 ug/l  
RT: 8.647 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VX047402.D  
Acq: 19 Aug 2025 10:55

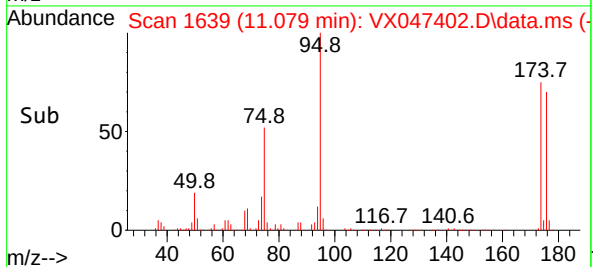
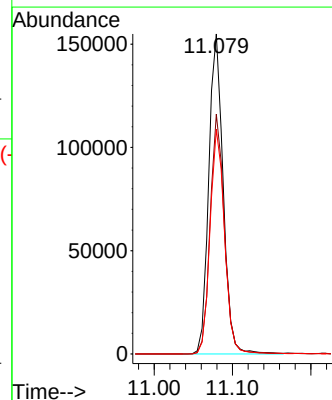
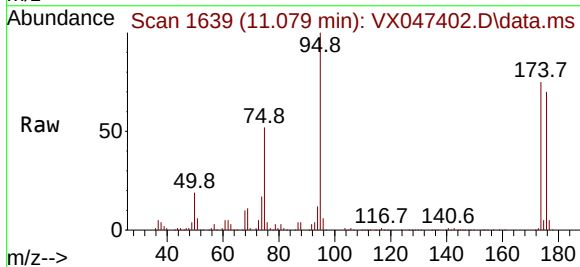
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0819WBL01

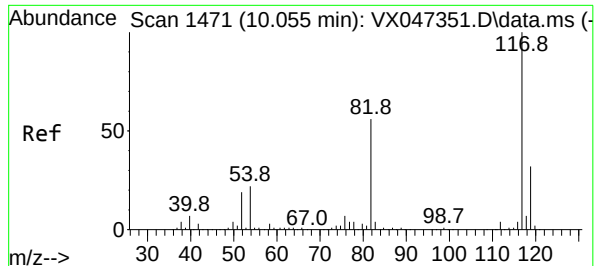
Tgt Ion: 98 Resp: 471489  
Ion Ratio Lower Upper  
98 100  
100 65.8 53.9 80.9



#62  
4-Bromofluorobenzene  
Concen: 56.138 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX047402.D  
Acq: 19 Aug 2025 10:55

Tgt Ion: 95 Resp: 197272  
Ion Ratio Lower Upper  
95 100  
174 74.0 0.0 148.0  
176 70.8 0.0 145.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX047402.D

Acq: 19 Aug 2025 10:55

Instrument :

MSVOA\_X

ClientSampleId :

VX0819WBL01

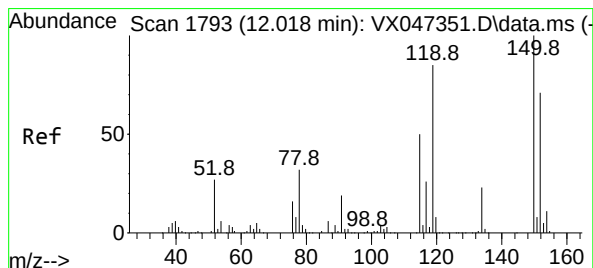
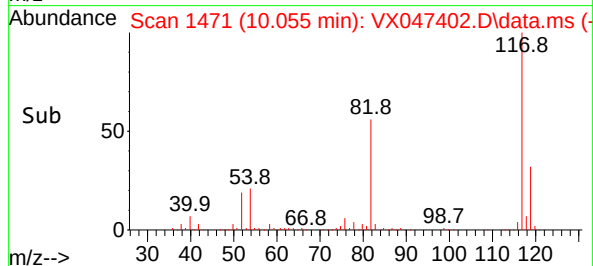
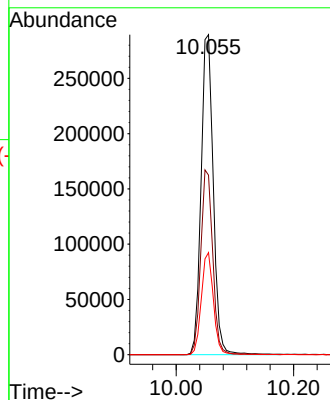
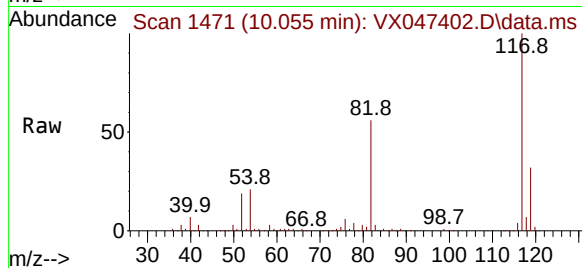
Tgt Ion:117 Resp: 416324

Ion Ratio Lower Upper

117 100

82 56.1 45.0 67.4

119 31.9 25.8 38.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VX047402.D

Acq: 19 Aug 2025 10:55

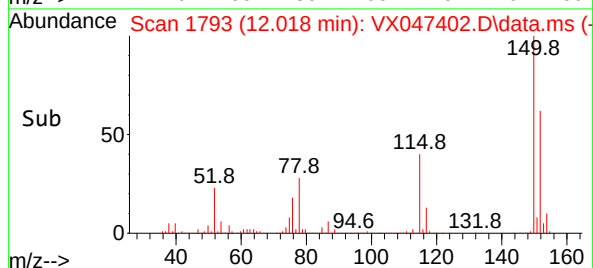
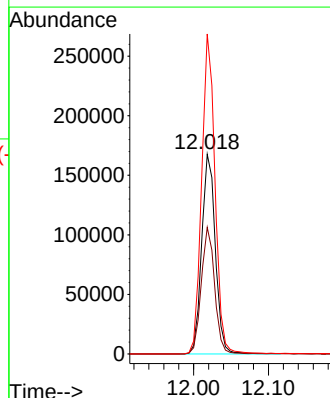
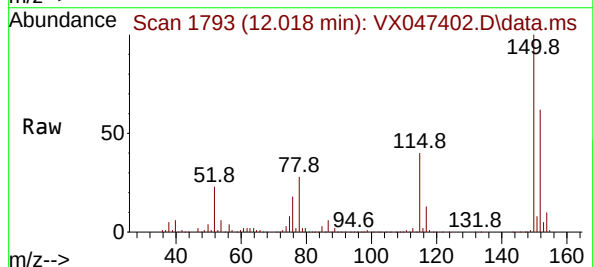
Tgt Ion:152 Resp: 212865

Ion Ratio Lower Upper

152 100

115 61.9 44.6 133.8

150 156.7 0.0 349.8





Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX082125\  
Data File : VX047457.D  
Acq On : 21 Aug 2025 10:24  
Operator : JC/MD  
Sample : VX0821WBL01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0821WBL01

Quant Time: Aug 22 03:39:56 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X081525W.M  
Quant Title : SW846 8260  
QLast Update : Mon Aug 18 04:18:28 2025  
Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 5.562  | 168  | 216518   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.769  | 114  | 445927   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.055 | 117  | 448054   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152  | 231897   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 5.964  | 65    | 173844   | 57.370   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 78 - 117 | Recovery | =    | 114.740% |
| 35) Dibromofluoromethane    | 5.397  | 113   | 141661   | 48.948   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 97.900%  |
| 50) Toluene-d8              | 8.647  | 98    | 503800   | 48.703   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 92 - 112 | Recovery | =    | 97.400%  |
| 62) 4-Bromofluorobenzene    | 11.079 | 95    | 212116   | 55.568   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =    | 111.140% |

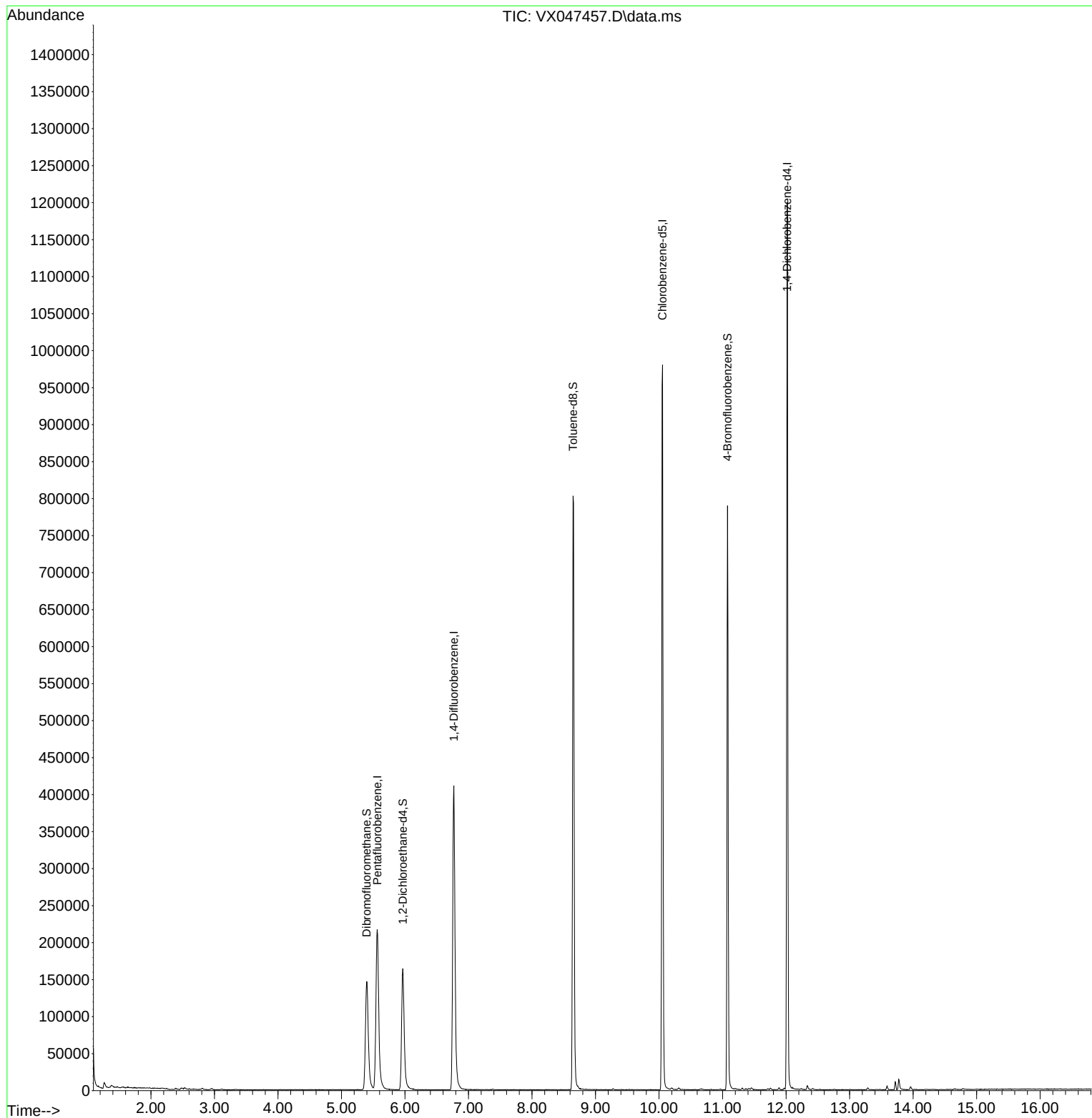
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

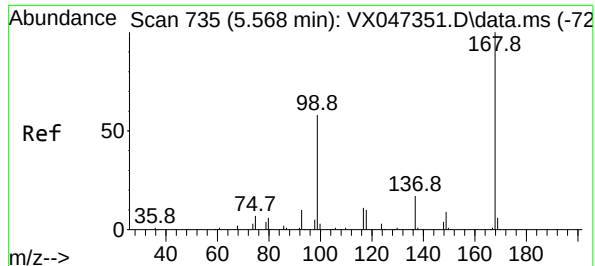
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX082125\  
Data File : VX047457.D  
Acq On : 21 Aug 2025 10:24  
Operator : JC/MD  
Sample : VX0821WBL01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0821WBL01

Quant Time: Aug 22 03:39:56 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X081525W.M  
Quant Title : SW846 8260  
QLast Update : Mon Aug 18 04:18:28 2025  
Response via : Initial Calibration

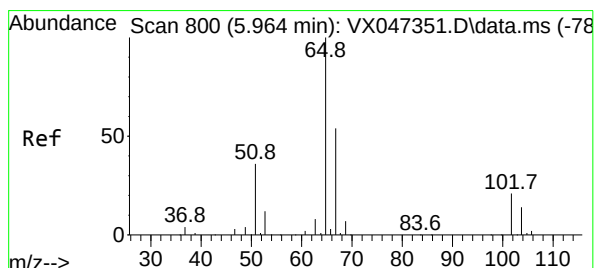
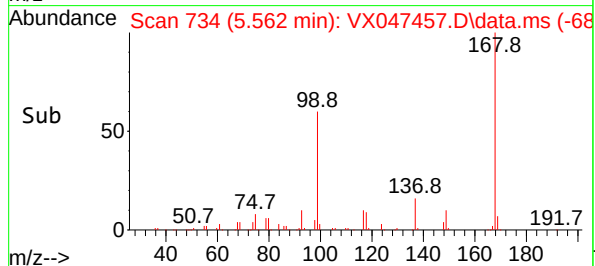
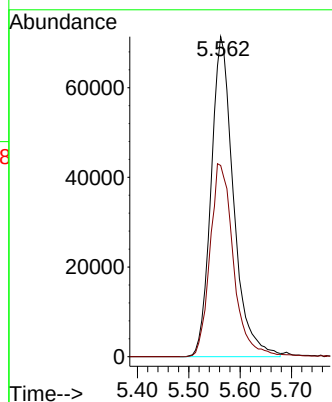
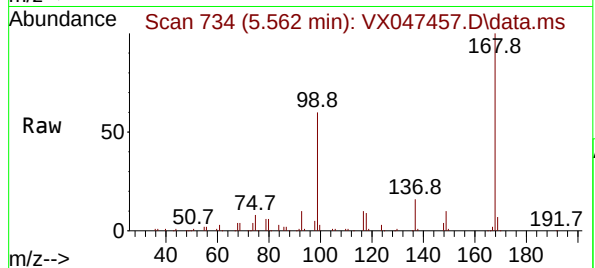




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.562 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: VX047457.D  
Acq: 21 Aug 2025 10:24

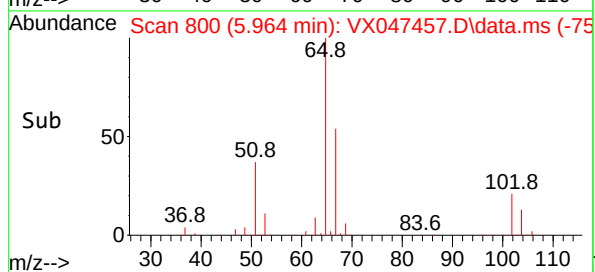
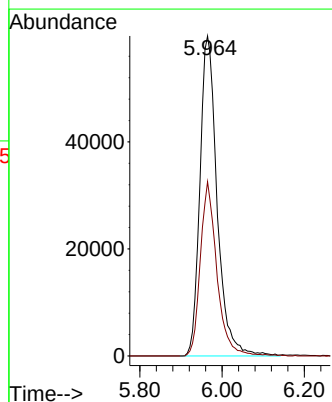
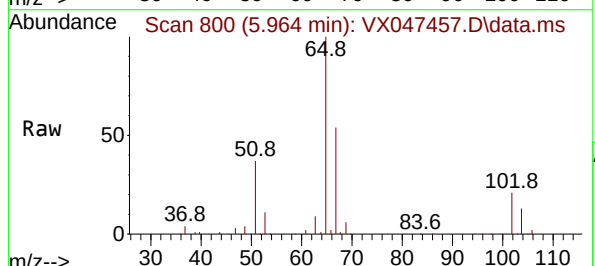
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0821WBL01

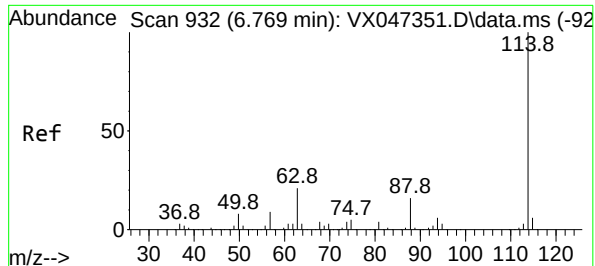
Tgt Ion:168 Resp: 216518  
Ion Ratio Lower Upper  
168 100  
99 59.8 47.9 71.9



#33  
1,2-Dichloroethane-d4  
Concen: 57.370 ug/l  
RT: 5.964 min Scan# 800  
Delta R.T. 0.000 min  
Lab File: VX047457.D  
Acq: 21 Aug 2025 10:24

Tgt Ion: 65 Resp: 173844  
Ion Ratio Lower Upper  
65 100  
67 52.5 0.0 106.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 91

Delta R.T. 0.000 min

Lab File: VX047457.D

Acq: 21 Aug 2025 10:24

Instrument :

MSVOA\_X

ClientSampleId :

VX0821WBL01

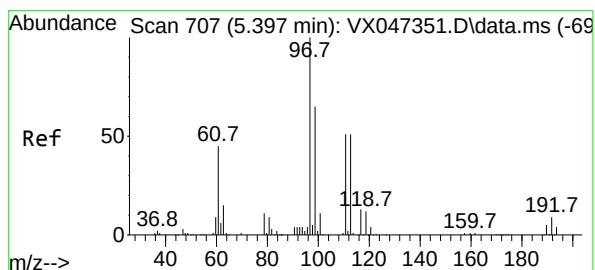
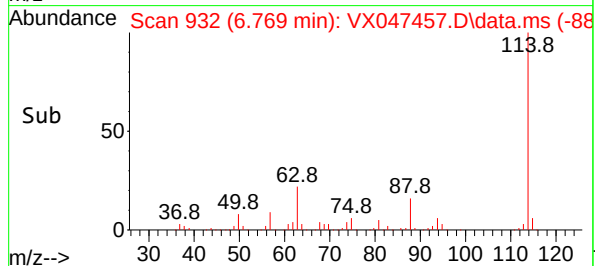
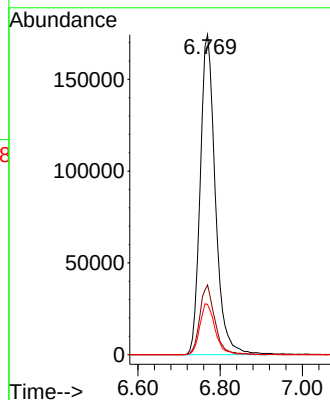
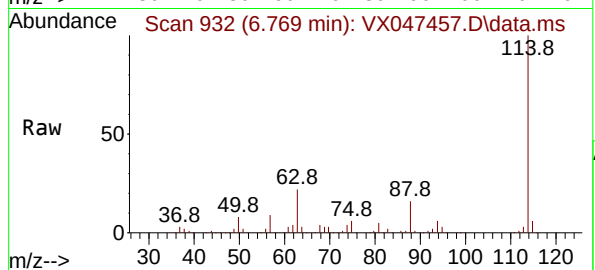
Tgt Ion:114 Resp: 445927

Ion Ratio Lower Upper

114 100

63 21.8 0.0 42.4

88 15.7 0.0 33.0



#35

Dibromofluoromethane

Concen: 48.948 ug/l

RT: 5.397 min Scan# 707

Delta R.T. 0.000 min

Lab File: VX047457.D

Acq: 21 Aug 2025 10:24

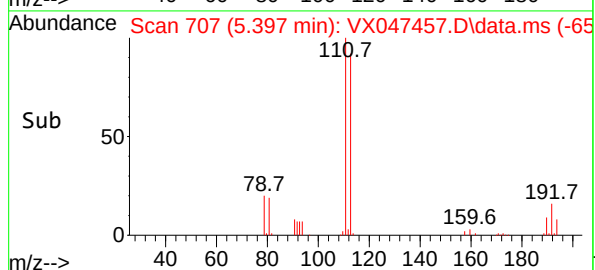
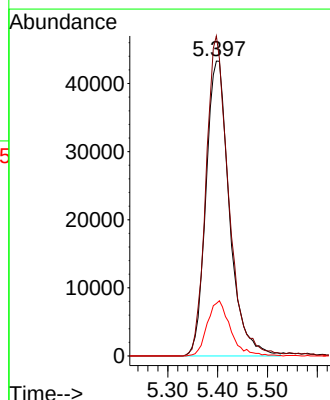
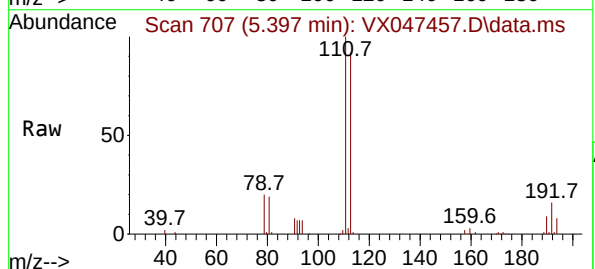
Tgt Ion:113 Resp: 141661

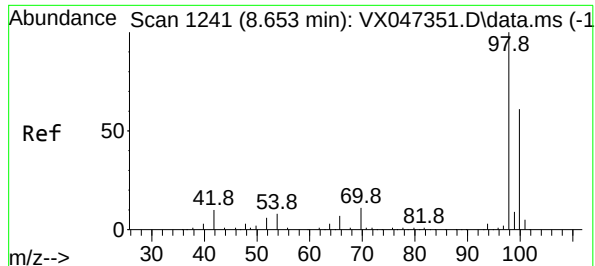
Ion Ratio Lower Upper

113 100

111 104.7 81.4 122.2

192 18.4 14.1 21.1





#50

Toluene-d8

Concen: 48.703 ug/l

RT: 8.647 min Scan# 11

Delta R.T. -0.006 min

Lab File: VX047457.D

Acq: 21 Aug 2025 10:24

Instrument :

MSVOA\_X

ClientSampleId :

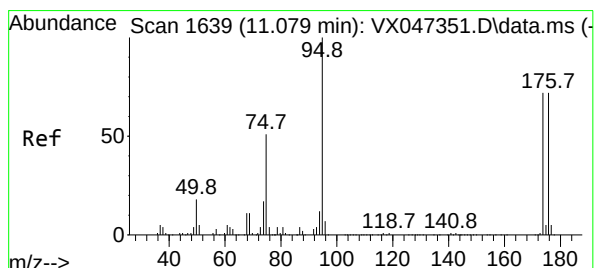
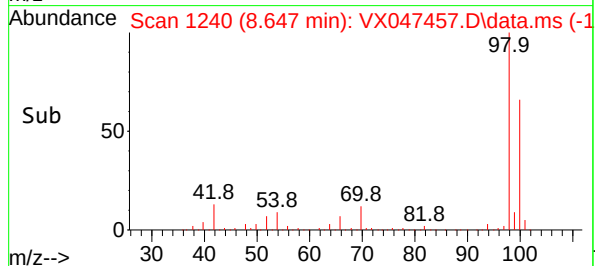
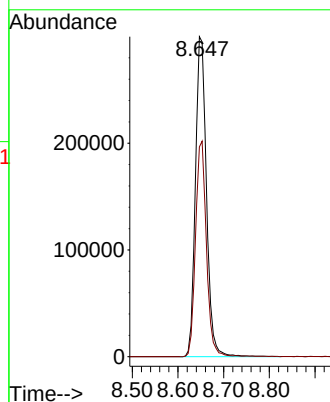
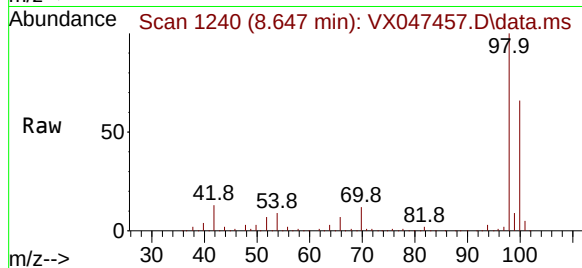
VX0821WBL01

Tgt Ion: 98 Resp: 503800

Ion Ratio Lower Upper

98 100

100 66.3 53.9 80.9



#62

4-Bromofluorobenzene

Concen: 55.568 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX047457.D

Acq: 21 Aug 2025 10:24

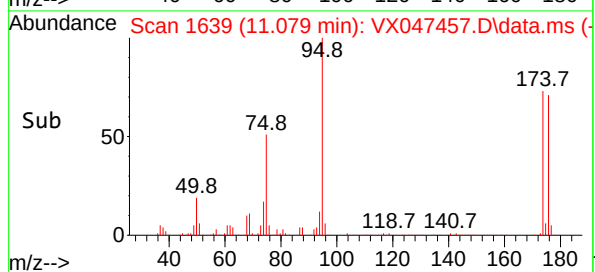
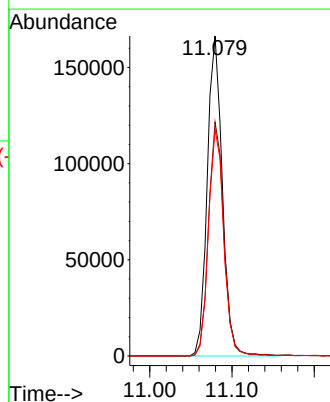
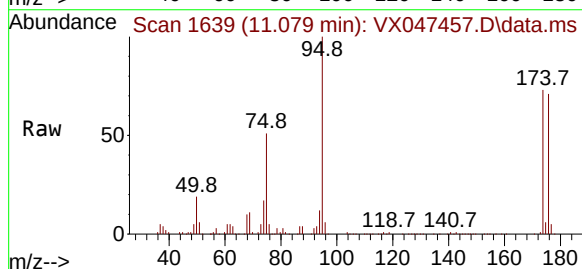
Tgt Ion: 95 Resp: 212116

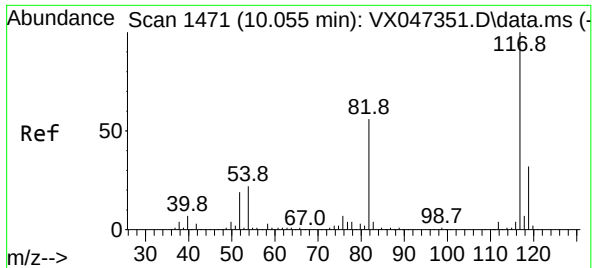
Ion Ratio Lower Upper

95 100

174 74.2 0.0 148.0

176 71.7 0.0 145.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX047457.D

Acq: 21 Aug 2025 10:24

Instrument :

MSVOA\_X

ClientSampleId :

VX0821WBL01

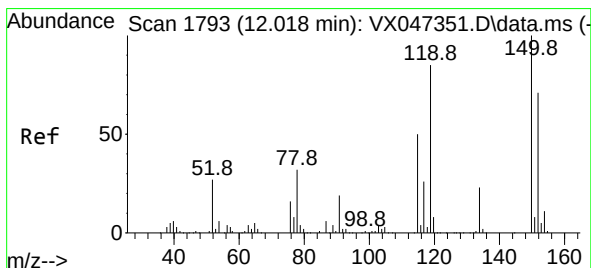
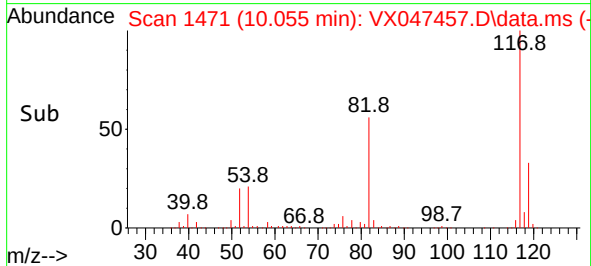
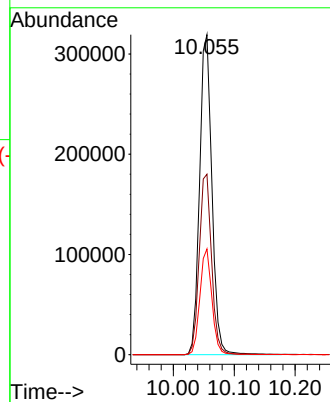
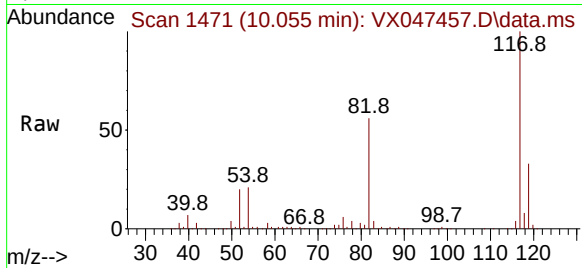
Tgt Ion:117 Resp: 448054

Ion Ratio Lower Upper

117 100

82 56.4 45.0 67.4

119 33.1 25.8 38.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VX047457.D

Acq: 21 Aug 2025 10:24

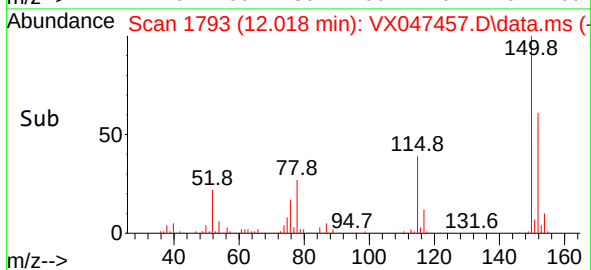
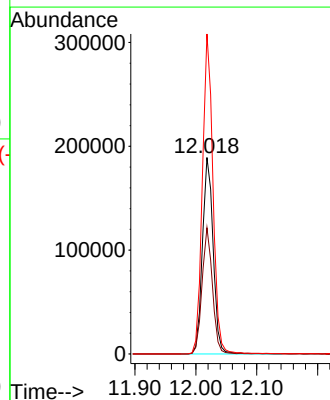
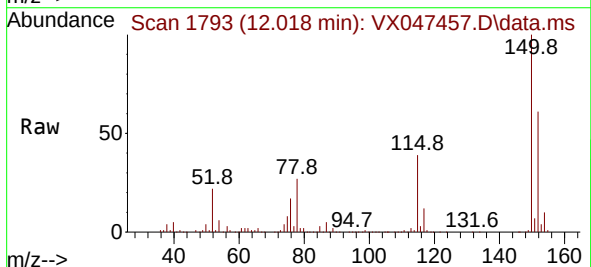
Tgt Ion:152 Resp: 231897

Ion Ratio Lower Upper

152 100

115 62.1 44.6 133.8

150 159.9 0.0 349.8



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Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX081925\  
 Data File : VX047403.D  
 Acq On : 19 Aug 2025 11:55  
 Operator : JC/MD  
 Sample : VX0819WBS01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0819WBS01

### Manual Integrations APPROVED

Reviewed By : John Carlone 08/20/2025  
 Supervised By : Mahesh Dadoda 08/20/2025

Quant Time: Aug 19 12:13:06 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X081525W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Aug 18 04:18:28 2025  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                        |                |      |                     |         |        |          |
| Internal Standards           |                |      |                     |         |        |          |
| 1) Pentafluorobenzene        | 5.556          | 168  | 225610              | 50.000  | ug/l   | -0.01    |
| 34) 1,4-Difluorobenzene      | 6.763          | 114  | 400778              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.049         | 117  | 370967              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.018         | 152  | 189862              | 50.000  | ug/l   | 0.00     |
|                              |                |      |                     |         |        |          |
| System Monitoring Compounds  |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.958          | 65   | 171357              | 54.270  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 78 - 117 |      | Recovery = 108.540% |         |        |          |
| 35) Dibromofluoromethane     | 5.391          | 113  | 135576              | 52.123  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = 104.240% |         |        |          |
| 50) Toluene-d8               | 8.647          | 98   | 470012              | 50.555  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 92 - 112 |      | Recovery = 101.120% |         |        |          |
| 62) 4-Bromofluorobenzene     | 11.079         | 95   | 181013              | 52.762  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 83 - 123 |      | Recovery = 105.520% |         |        |          |
|                              |                |      |                     |         |        |          |
| Target Compounds             |                |      |                     |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.185          | 85   | 47669               | 16.575  | ug/l   | 100      |
| 3) Chloromethane             | 1.313          | 50   | 44596               | 17.237  | ug/l   | 98       |
| 4) Vinyl Chloride            | 1.392          | 62   | 53957               | 16.616  | ug/l   | 98       |
| 5) Bromomethane              | 1.630          | 94   | 23833               | 18.170  | ug/l   | 82       |
| 6) Chloroethane              | 1.709          | 64   | 34734               | 17.482  | ug/l   | 98       |
| 7) Trichlorofluoromethane    | 1.904          | 101  | 78843               | 16.414  | ug/l   | 94       |
| 8) Diethyl Ether             | 2.142          | 74   | 31787               | 18.794  | ug/l   | 100      |
| 9) 1,1,2-Trichlorotrifluo... | 2.343          | 101  | 46101               | 16.545  | ug/l   | 99       |
| 10) Methyl Iodide            | 2.471          | 142  | 67548               | 14.146  | ug/l   | 98       |
| 11) Tert butyl alcohol       | 2.959          | 59   | 27543               | 100.272 | ug/l   | 99       |
| 12) 1,1-Dichloroethene       | 2.337          | 96   | 49153               | 17.304  | ug/l   | 97       |
| 13) Acrolein                 | 2.252          | 56   | 49678               | 85.675  | ug/l   | 98       |
| 14) Allyl chloride           | 2.678          | 41   | 88890               | 18.017  | ug/l   | 98       |
| 15) Acrylonitrile            | 3.081          | 53   | 129576              | 97.623  | ug/l   | 99       |
| 16) Acetone                  | 2.386          | 43   | 134660              | 113.461 | ug/l   | 99       |
| 17) Carbon Disulfide         | 2.526          | 76   | 140642              | 16.407  | ug/l   | 100      |
| 18) Methyl Acetate           | 2.715          | 43   | 59381               | 19.307  | ug/l   | 99       |
| 19) Methyl tert-butyl Ether  | 3.123          | 73   | 165987              | 19.208  | ug/l   | 99       |
| 20) Methylene Chloride       | 2.800          | 84   | 59628               | 18.973  | ug/l   | 97       |
| 21) trans-1,2-Dichloroethene | 3.105          | 96   | 53480               | 17.738  | ug/l   | 95       |
| 22) Diisopropyl ether        | 3.770          | 45   | 188286              | 19.306  | ug/l   | 94       |
| 23) Vinyl Acetate            | 3.733          | 43   | 775713              | 97.042  | ug/l   | 98       |
| 24) 1,1-Dichloroethane       | 3.623          | 63   | 102305              | 18.559  | ug/l   | 97       |
| 25) 2-Butanone               | 4.562          | 43   | 164408              | 105.771 | ug/l   | 98       |
| 26) 2,2-Dichloropropane      | 4.483          | 77   | 76816               | 18.463  | ug/l   | 98       |
| 27) cis-1,2-Dichloroethene   | 4.501          | 96   | 65115               | 18.543  | ug/l   | 99       |
| 28) Bromochloromethane       | 4.904          | 49   | 52508               | 22.891  | ug/l   | 96       |
| 29) Tetrahydrofuran          | 5.019          | 42   | 97079               | 96.629  | ug/l   | 96       |
| 30) Chloroform               | 5.099          | 83   | 106302              | 18.896  | ug/l   | 97       |
| 31) Cyclohexane              | 5.477          | 56   | 84972               | 16.722  | ug/l   | 98       |
| 32) 1,1,1-Trichloroethane    | 5.391          | 97   | 86840               | 17.934  | ug/l   | 98       |
| 36) 1,1-Dichloropropene      | 5.702          | 75   | 69481               | 16.922  | ug/l   | 99       |
| 37) Ethyl Acetate            | 4.715          | 43   | 70075               | 16.439  | ug/l   | 96       |
| 38) Carbon Tetrachloride     | 5.684          | 117  | 75969               | 16.931  | ug/l   | 98       |
| 39) Methylcyclohexane        | 7.385          | 83   | 77886               | 15.207  | ug/l   | 97       |
| 40) Benzene                  | 6.044          | 78   | 220693              | 17.957  | ug/l   | 99       |

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Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX081925\  
 Data File : VX047403.D  
 Acq On : 19 Aug 2025 11:55  
 Operator : JC/MD  
 Sample : VX0819WBS01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0819WBS01

### Manual Integrations APPROVED

Reviewed By :John Carlone 08/20/2025  
 Supervised By :Mahesh Dadoda 08/20/2025

Quant Time: Aug 19 12:13:06 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X081525W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Aug 18 04:18:28 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 4.934  | 41   | 35045    | 19.496  | ug/l   | 92       |
| 42) 1,2-Dichloroethane        | 6.092  | 62   | 81344    | 18.686  | ug/l   | 99       |
| 43) Isopropyl Acetate         | 6.348  | 43   | 110451   | 18.037  | ug/l   | 99       |
| 44) Trichloroethene           | 7.129  | 130  | 54266    | 17.244  | ug/l   | 99       |
| 45) 1,2-Dichloropropane       | 7.434  | 63   | 56455    | 18.336  | ug/l   | 98       |
| 46) Dibromomethane            | 7.580  | 93   | 41245    | 18.452  | ug/l   | 98       |
| 47) Bromodichloromethane      | 7.824  | 83   | 84911    | 18.324  | ug/l   | 95       |
| 48) Methyl methacrylate       | 7.696  | 41   | 58149    | 18.294  | ug/l   | 98       |
| 49) 1,4-Dioxane               | 7.690  | 88   | 11911    | 385.469 | ug/l   | 98       |
| 51) 4-Methyl-2-Pentanone      | 8.574  | 43   | 337359   | 95.733  | ug/l   | 98       |
| 52) Toluene                   | 8.720  | 92   | 137617   | 18.121  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 8.976  | 75   | 75672    | 18.711  | ug/l   | 97       |
| 54) cis-1,3-Dichloropropene   | 8.366  | 75   | 85316    | 18.637  | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane     | 9.153  | 97   | 54306    | 18.834  | ug/l   | 100      |
| 56) Ethyl methacrylate        | 9.116  | 69   | 76225    | 17.930  | ug/l   | 96       |
| 57) 1,3-Dichloropropane       | 9.305  | 76   | 94506    | 19.235  | ug/l   | 97       |
| 58) 2-Chloroethyl Vinyl ether | 8.238  | 63   | 194420   | 100.929 | ug/l   | 98       |
| 59) 2-Hexanone                | 9.433  | 43   | 237159   | 97.292  | ug/l   | 100      |
| 60) Dibromochloromethane      | 9.519  | 129  | 64471    | 18.814  | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 9.610  | 107  | 55618    | 18.705  | ug/l   | 99       |
| 64) Tetrachloroethene         | 9.269  | 164  | 44832    | 16.708  | ug/l   | 98       |
| 65) Chlorobenzene             | 10.079 | 112  | 155025   | 17.585  | ug/l   | 96       |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131  | 53110    | 17.822  | ug/l   | 99       |
| 67) Ethyl Benzene             | 10.189 | 91   | 259370   | 17.094  | ug/l   | 99       |
| 68) m/p-Xylenes               | 10.299 | 106  | 198745   | 35.129  | ug/l   | 100      |
| 69) o-Xylene                  | 10.640 | 106  | 95777    | 17.591  | ug/l   | 99       |
| 70) Styrene                   | 10.653 | 104  | 168799   | 18.349  | ug/l   | 99       |
| 71) Bromoform                 | 10.799 | 173  | 40177    | 17.946  | ug/l # | 99       |
| 73) Isopropylbenzene          | 10.957 | 105  | 247370   | 16.649  | ug/l   | 100      |
| 74) N-amyl acetate            | 10.842 | 43   | 100954   | 17.893  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane | 11.207 | 83   | 78682    | 18.037  | ug/l   | 97       |
| 76) 1,2,3-Trichloropropane    | 11.238 | 75   | 57347m   | 16.468  | ug/l   |          |
| 77) Bromobenzene              | 11.195 | 156  | 63986    | 17.636  | ug/l   | 98       |
| 78) n-propylbenzene           | 11.299 | 91   | 295566   | 16.657  | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 11.360 | 91   | 182492   | 17.013  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 206597   | 16.900  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 10138    | 18.529  | ug/l   | 97       |
| 82) 4-Chlorotoluene           | 11.451 | 91   | 216373   | 17.112  | ug/l   | 100      |
| 83) tert-Butylbenzene         | 11.713 | 119  | 203328   | 16.671  | ug/l   | 100      |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 214157   | 17.518  | ug/l   | 100      |
| 85) sec-Butylbenzene          | 11.890 | 105  | 254977   | 16.867  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 12.006 | 119  | 214549   | 16.772  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 118907   | 17.156  | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene       | 12.036 | 146  | 122086   | 17.126  | ug/l   | 99       |
| 89) n-Butylbenzene            | 12.329 | 91   | 197431   | 16.594  | ug/l   | 99       |
| 90) Hexachloroethane          | 12.536 | 117  | 35860    | 15.980  | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 115308   | 17.527  | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75   | 14165    | 16.791  | ug/l   | 96       |
| 93) 1,2,4-Trichlorobenzene    | 13.585 | 180  | 73210    | 16.600  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 13.719 | 225  | 25313    | 16.124  | ug/l   | 98       |
| 95) Naphthalene               | 13.774 | 128  | 217150   | 17.229  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 13.957 | 180  | 71038    | 17.088  | ug/l   | 99       |



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Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX081925\  
Data File : VX047403.D  
Acq On : 19 Aug 2025 11:55  
Operator : JC/MD  
Sample : VX0819WBS01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0819WBS01

Manual Integrations  
APPROVED

Reviewed By :John Carlone 08/20/2025  
Supervised By :Mahesh Dadoda 08/20/2025

Quant Time: Aug 19 12:13:06 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X081525W.M  
Quant Title : SW846 8260  
QLast Update : Mon Aug 18 04:18:28 2025  
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

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

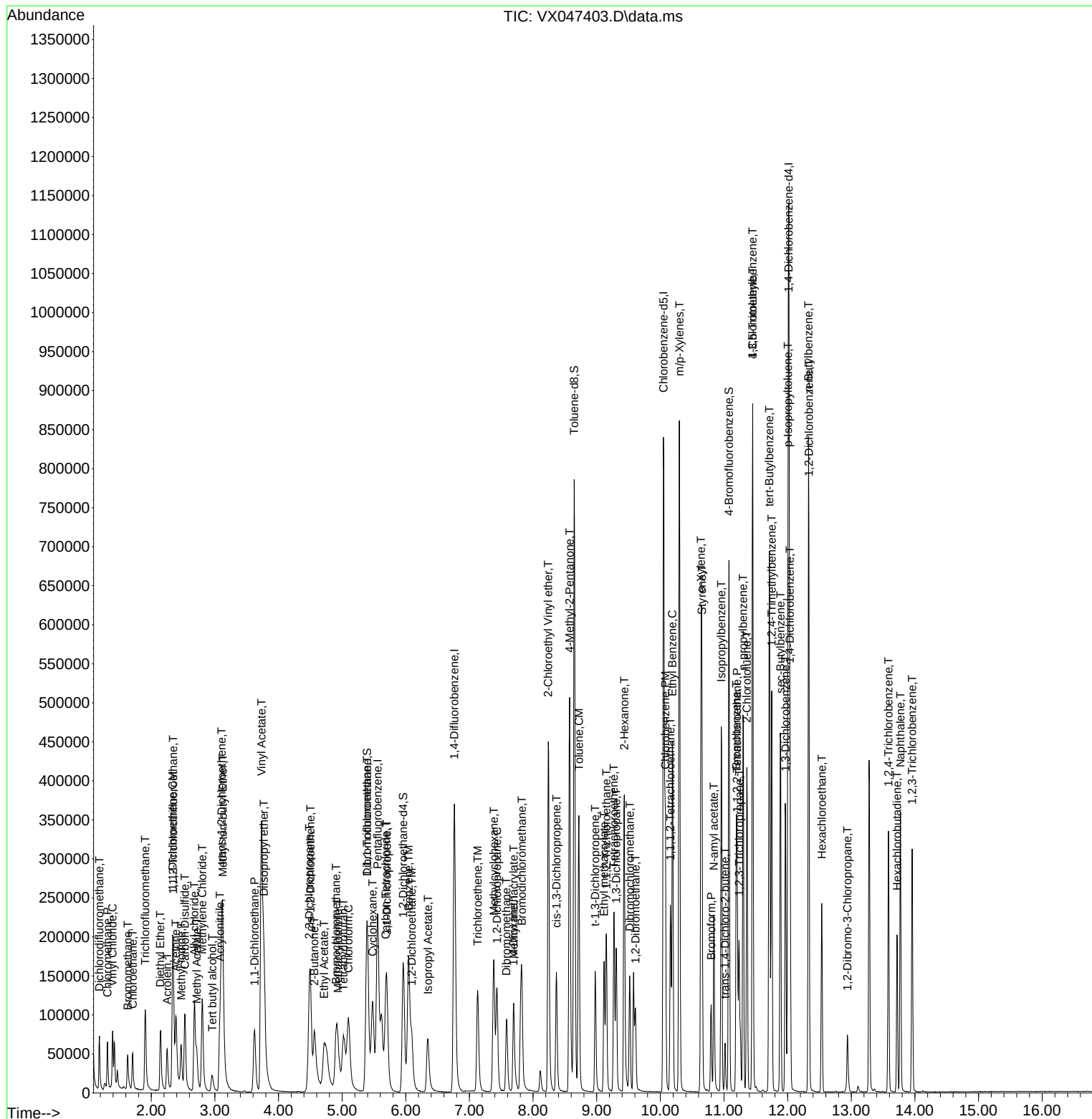
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081925\  
Data File : VX047403.D  
Acq On    : 19 Aug 2025  11:55  
Operator  : JC/MD  
Sample    : VX0819WBS01  
Misc      : 5.0mL/MSVOA_X/WATER  
ALS Vial  : 5      Sample Multiplier: 1
```

**Instrument :**  
MSVOA\_X  
**ClientSampleId :**  
VX0819WBS01

## Manual Integrations APPROVED

Reviewed By :John Carlone 08/20/2025  
Supervised By :Mahesh Dadoda 08/20/2025

Quant Time: Aug 19 12:13:06 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X081525W.M  
Quant Title : SW846 8260  
QLast Update : Mon Aug 18 04:18:28 2025  
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX082125\  
 Data File : VX047467.D  
 Acq On : 21 Aug 2025 14:07  
 Operator : JC/MD  
 Sample : VX0821WBS02  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0821WBS02

### Manual Integrations APPROVED

Reviewed By : John Carlone 08/22/2025  
 Supervised By : Mahesh Dadoda 08/22/2025

Quant Time: Aug 22 03:46:04 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X081525W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Aug 18 04:18:28 2025  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                        |                |      |                     |         |        |          |
| Internal Standards           |                |      |                     |         |        |          |
| 1) Pentafluorobenzene        | 5.562          | 168  | 219757              | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.769          | 114  | 395822              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.055         | 117  | 370697              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.018         | 152  | 193487              | 50.000  | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.964          | 65   | 176124              | 57.266  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 78 - 117 |      | Recovery = 114.540% |         |        |          |
| 35) Dibromofluoromethane     | 5.397          | 113  | 132673              | 51.645  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = 103.300% |         |        |          |
| 50) Toluene-d8               | 8.653          | 98   | 460935              | 50.200  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 92 - 112 |      | Recovery = 100.400% |         |        |          |
| 62) 4-Bromofluorobenzene     | 11.079         | 95   | 188500              | 55.632  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 83 - 123 |      | Recovery = 111.260% |         |        |          |
| Target Compounds             |                |      |                     |         |        |          |
|                              |                |      |                     |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.185          | 85   | 52136               | 18.611  | ug/l   | 96       |
| 3) Chloromethane             | 1.313          | 50   | 49473               | 19.631  | ug/l   | 99       |
| 4) Vinyl Chloride            | 1.392          | 62   | 61123               | 19.324  | ug/l   | 100      |
| 5) Bromomethane              | 1.630          | 94   | 25522               | 19.976  | ug/l   | 97       |
| 6) Chloroethane              | 1.709          | 64   | 39889               | 20.611  | ug/l   | 100      |
| 7) Trichlorofluoromethane    | 1.904          | 101  | 91456               | 19.547  | ug/l   | 99       |
| 8) Diethyl Ether             | 2.148          | 74   | 36285               | 22.025  | ug/l   | 98       |
| 9) 1,1,2-Trichlorotrifluo... | 2.349          | 101  | 53527               | 19.722  | ug/l   | 98       |
| 10) Methyl Iodide            | 2.471          | 142  | 67680               | 14.551  | ug/l   | 99       |
| 11) Tert butyl alcohol       | 2.959          | 59   | 30845               | 115.284 | ug/l   | 99       |
| 12) 1,1-Dichloroethene       | 2.337          | 96   | 55363               | 20.009  | ug/l   | 98       |
| 13) Acrolein                 | 2.251          | 56   | 59011               | 104.481 | ug/l   | 98       |
| 14) Allyl chloride           | 2.678          | 41   | 99967               | 20.801  | ug/l   | 99       |
| 15) Acrylonitrile            | 3.081          | 53   | 143612              | 111.079 | ug/l   | 99       |
| 16) Acetone                  | 2.392          | 43   | 118906              | 102.856 | ug/l   | 96       |
| 17) Carbon Disulfide         | 2.526          | 76   | 149558              | 17.912  | ug/l   | 100      |
| 18) Methyl Acetate           | 2.715          | 43   | 72122               | 24.075  | ug/l   | 100      |
| 19) Methyl tert-butyl Ether  | 3.123          | 73   | 186862              | 22.199  | ug/l   | 99       |
| 20) Methylene Chloride       | 2.806          | 84   | 67266               | 21.974  | ug/l   | 94       |
| 21) trans-1,2-Dichloroethene | 3.105          | 96   | 60380               | 20.560  | ug/l   | 98       |
| 22) Diisopropyl ether        | 3.769          | 45   | 221856              | 23.355  | ug/l   | 85       |
| 23) Vinyl Acetate            | 3.733          | 43   | 864017              | 110.968 | ug/l   | 100      |
| 24) 1,1-Dichloroethane       | 3.623          | 63   | 117074              | 21.804  | ug/l   | 98       |
| 25) 2-Butanone               | 4.574          | 43   | 178447              | 117.861 | ug/l   | 99       |
| 26) 2,2-Dichloropropane      | 4.495          | 77   | 80184               | 19.786  | ug/l   | 100      |
| 27) cis-1,2-Dichloroethene   | 4.507          | 96   | 74958               | 21.915  | ug/l   | 98       |
| 28) Bromochloromethane       | 4.916          | 49   | 55023               | 24.626  | ug/l   | 100      |
| 29) Tetrahydrofuran          | 5.031          | 42   | 108635              | 111.012 | ug/l   | 98       |
| 30) Chloroform               | 5.105          | 83   | 123736              | 22.580  | ug/l   | 94       |
| 31) Cyclohexane              | 5.483          | 56   | 97308               | 19.660  | ug/l   | 99       |
| 32) 1,1,1-Trichloroethane    | 5.391          | 97   | 97000               | 20.565  | ug/l   | 98       |
| 36) 1,1-Dichloropropene      | 5.708          | 75   | 80408               | 19.828  | ug/l   | 99       |
| 37) Ethyl Acetate            | 4.727          | 43   | 77407               | 18.387  | ug/l   | 98       |
| 38) Carbon Tetrachloride     | 5.696          | 117  | 86344               | 19.484  | ug/l   | 95       |
| 39) Methylcyclohexane        | 7.385          | 83   | 89674               | 17.728  | ug/l   | 90       |
| 40) Benzene                  | 6.050          | 78   | 250369              | 20.627  | ug/l   | 98       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX082125\  
 Data File : VX047467.D  
 Acq On : 21 Aug 2025 14:07  
 Operator : JC/MD  
 Sample : VX0821WBS02  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0821WBS02

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 08/22/2025  
 Supervised By : Mahesh Dadoda 08/22/2025

Quant Time: Aug 22 03:46:04 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X081525W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Aug 18 04:18:28 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 4.940  | 41   | 40042    | 22.555  | ug/l   | 92       |
| 42) 1,2-Dichloroethane        | 6.098  | 62   | 92470    | 21.507  | ug/l   | 100      |
| 43) Isopropyl Acetate         | 6.348  | 43   | 125855   | 20.809  | ug/l   | 100      |
| 44) Trichloroethene           | 7.135  | 130  | 62561    | 20.129  | ug/l   | 99       |
| 45) 1,2-Dichloropropane       | 7.433  | 63   | 64285    | 21.141  | ug/l   | 100      |
| 46) Dibromomethane            | 7.586  | 93   | 45974    | 20.825  | ug/l   | 99       |
| 47) Bromodichloromethane      | 7.824  | 83   | 95100    | 20.779  | ug/l   | 100      |
| 48) Methyl methacrylate       | 7.696  | 41   | 66527    | 21.192  | ug/l   | 97       |
| 49) 1,4-Dioxane               | 7.690  | 88   | 11979    | 392.523 | ug/l   | 97       |
| 51) 4-Methyl-2-Pentanone      | 8.574  | 43   | 381590   | 109.641 | ug/l   | 97       |
| 52) Toluene                   | 8.720  | 92   | 157838   | 21.044  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 8.982  | 75   | 83536    | 20.914  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 8.366  | 75   | 95182    | 21.053  | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane     | 9.153  | 97   | 62404    | 21.913  | ug/l   | 99       |
| 56) Ethyl methacrylate        | 9.116  | 69   | 89883    | 21.408  | ug/l   | 98       |
| 57) 1,3-Dichloropropane       | 9.311  | 76   | 106790   | 22.007  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether | 8.244  | 63   | 184544   | 97.327  | ug/l   | 99       |
| 59) 2-Hexanone                | 9.433  | 43   | 254945   | 105.899 | ug/l   | 100      |
| 60) Dibromochloromethane      | 9.518  | 129  | 71992    | 21.272  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 9.610  | 107  | 61680    | 21.004  | ug/l   | 99       |
| 64) Tetrachloroethene         | 9.275  | 164  | 48854    | 18.220  | ug/l   | 95       |
| 65) Chlorobenzene             | 10.079 | 112  | 175397   | 19.911  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 10.165 | 131  | 60389    | 20.279  | ug/l   | 98       |
| 67) Ethyl Benzene             | 10.195 | 91   | 298088   | 19.660  | ug/l   | 98       |
| 68) m/p-Xylenes               | 10.299 | 106  | 227285   | 40.202  | ug/l   | 99       |
| 69) o-Xylene                  | 10.640 | 106  | 111463   | 20.487  | ug/l   | 98       |
| 70) Styrene                   | 10.652 | 104  | 191132   | 20.792  | ug/l   | 100      |
| 71) Bromoform                 | 10.799 | 173  | 45830    | 20.486  | ug/l # | 97       |
| 73) Isopropylbenzene          | 10.963 | 105  | 285672   | 18.867  | ug/l   | 100      |
| 74) N-amyl acetate            | 10.841 | 43   | 109541   | 19.051  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 88882    | 19.993  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 11.238 | 75   | 68907m   | 19.417  | ug/l   |          |
| 77) Bromobenzene              | 11.195 | 156  | 71647    | 19.378  | ug/l   | 99       |
| 78) n-propylbenzene           | 11.305 | 91   | 337183   | 18.646  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 11.366 | 91   | 209103   | 19.128  | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 235770   | 18.925  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 11188    | 19.413  | ug/l   | 89       |
| 82) 4-Chlorotoluene           | 11.451 | 91   | 244430   | 18.969  | ug/l   | 100      |
| 83) tert-Butylbenzene         | 11.713 | 119  | 235583   | 18.954  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 240110   | 19.273  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 11.890 | 105  | 288712   | 18.741  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 12.006 | 119  | 244146   | 18.728  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 132909   | 18.817  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene       | 12.036 | 146  | 134397   | 18.500  | ug/l   | 98       |
| 89) n-Butylbenzene            | 12.329 | 91   | 222499   | 18.350  | ug/l   | 99       |
| 90) Hexachloroethane          | 12.536 | 117  | 41201    | 18.016  | ug/l   | 95       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 128956   | 19.235  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75   | 16504    | 19.197  | ug/l   | 97       |
| 93) 1,2,4-Trichlorobenzene    | 13.585 | 180  | 81841    | 18.209  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 27303    | 17.066  | ug/l   | 97       |
| 95) Naphthalene               | 13.774 | 128  | 261329   | 20.346  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 13.957 | 180  | 77394    | 18.268  | ug/l   | 100      |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX082125\  
Data File : VX047467.D  
Acq On : 21 Aug 2025 14:07  
Operator : JC/MD  
Sample : VX0821WBS02  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0821WBS02

Manual Integrations  
APPROVED

Reviewed By :John Carlone 08/22/2025  
Supervised By :Mahesh Dadoda 08/22/2025

Quant Time: Aug 22 03:46:04 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X081525W.M  
Quant Title : SW846 8260  
QLast Update : Mon Aug 18 04:18:28 2025  
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

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

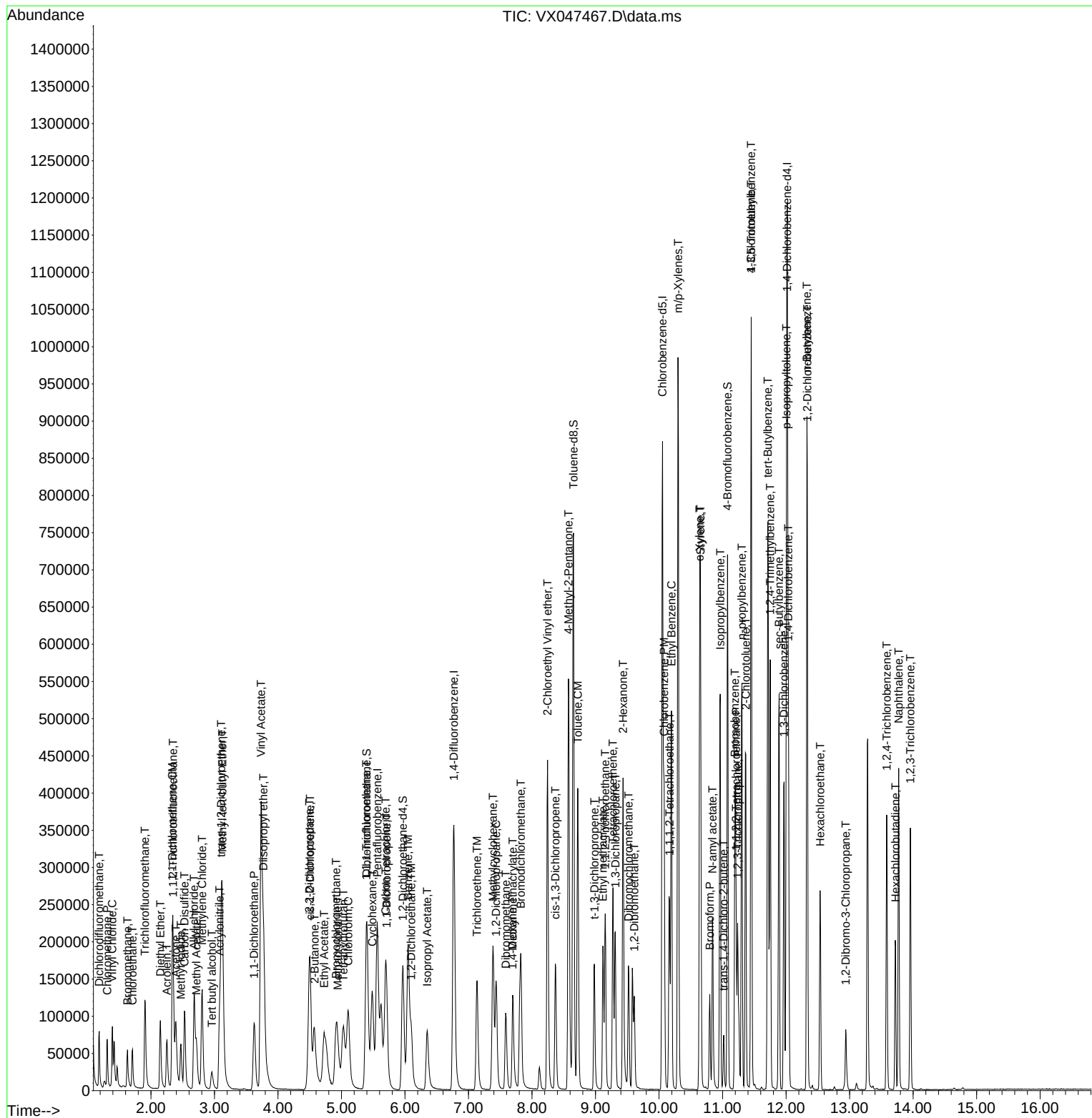
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082125\  
Data File : VX047467.D  
Acq On    : 21 Aug 2025  14:07  
Operator  : JC/MD  
Sample    : VX0821WBS02  
Misc      : 5.0mL/MSVOA_X/WATER  
ALS Vial  : 14   Sample Multiplier: 1
```

**Instrument :**  
MSVOA\_X  
**ClientSampleId :**  
VX0821WBS02

## Manual Integrations APPROVED

Reviewed By :John Carlone 08/22/2025  
Supervised By :Mahesh Dadoda 08/22/2025

Quant Time: Aug 22 03:46:04 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X081525W.M  
Quant Title : SW846 8260  
QLast Update : Mon Aug 18 04:18:28 2025  
Response via : Initial Calibration



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Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX081925\  
 Data File : VX047405.D  
 Acq On : 19 Aug 2025 12:37  
 Operator : JC/MD  
 Sample : VX0819WBSD01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0819WBSD01

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 08/20/2025  
 Supervised By : Mahesh Dadoda 08/20/2025

Quant Time: Aug 19 12:54:23 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X081525W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Aug 18 04:18:28 2025  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                        |                |      |                     |         |        |          |
| Internal Standards           |                |      |                     |         |        |          |
| 1) Pentafluorobenzene        | 5.568          | 168  | 228746              | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.769          | 114  | 395063              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.055         | 117  | 371284              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.018         | 152  | 189413              | 50.000  | ug/l   | 0.00     |
|                              |                |      |                     |         |        |          |
| System Monitoring Compounds  |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.964          | 65   | 173401              | 54.165  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 78 - 117 |      | Recovery = 108.320% |         |        |          |
| 35) Dibromofluoromethane     | 5.397          | 113  | 133228              | 51.961  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = 103.920% |         |        |          |
| 50) Toluene-d8               | 8.653          | 98   | 464961              | 50.736  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 92 - 112 |      | Recovery = 101.480% |         |        |          |
| 62) 4-Bromofluorobenzene     | 11.079         | 95   | 181529              | 53.678  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 83 - 123 |      | Recovery = 107.360% |         |        |          |
|                              |                |      |                     |         |        |          |
| Target Compounds             |                |      |                     |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.185          | 85   | 48167               | 16.518  | ug/l   | 99       |
| 3) Chloromethane             | 1.313          | 50   | 47416               | 18.076  | ug/l   | 95       |
| 4) Vinyl Chloride            | 1.392          | 62   | 54098               | 16.431  | ug/l # | 64       |
| 5) Bromomethane              | 1.630          | 94   | 18415               | 13.847  | ug/l   | 98       |
| 6) Chloroethane              | 1.709          | 64   | 40053               | 19.883  | ug/l   | 99       |
| 7) Trichlorofluoromethane    | 1.904          | 101  | 79190               | 16.260  | ug/l   | 94       |
| 8) Diethyl Ether             | 2.148          | 74   | 31587               | 18.420  | ug/l   | 97       |
| 9) 1,1,2-Trichlorotrifluo... | 2.349          | 101  | 47865               | 16.943  | ug/l   | 100      |
| 10) Methyl Iodide            | 2.471          | 142  | 60898               | 12.579  | ug/l   | 96       |
| 11) Tert butyl alcohol       | 2.965          | 59   | 30718               | 110.297 | ug/l   | 98       |
| 12) 1,1-Dichloroethene       | 2.337          | 96   | 47603               | 16.528  | ug/l   | 95       |
| 13) Acrolein                 | 2.251          | 56   | 49016               | 83.374  | ug/l   | 99       |
| 14) Allyl chloride           | 2.678          | 41   | 86456               | 17.283  | ug/l   | 99       |
| 15) Acrylonitrile            | 3.081          | 53   | 131580              | 97.773  | ug/l   | 98       |
| 16) Acetone                  | 2.392          | 43   | 118674              | 98.621  | ug/l   | 96       |
| 17) Carbon Disulfide         | 2.532          | 76   | 143093              | 16.465  | ug/l   | 99       |
| 18) Methyl Acetate           | 2.715          | 43   | 63853               | 20.477  | ug/l   | 99       |
| 19) Methyl tert-butyl Ether  | 3.123          | 73   | 165202              | 18.855  | ug/l   | 95       |
| 20) Methylene Chloride       | 2.806          | 84   | 58414               | 18.332  | ug/l   | 98       |
| 21) trans-1,2-Dichloroethene | 3.111          | 96   | 52164               | 17.065  | ug/l   | 95       |
| 22) Diisopropyl ether        | 3.776          | 45   | 185604              | 18.771  | ug/l   | 97       |
| 23) Vinyl Acetate            | 3.739          | 43   | 769207              | 94.909  | ug/l   | 99       |
| 24) 1,1-Dichloroethane       | 3.629          | 63   | 100080              | 17.907  | ug/l   | 97       |
| 25) 2-Butanone               | 4.568          | 43   | 160156              | 101.623 | ug/l   | 99       |
| 26) 2,2-Dichloropropane      | 4.495          | 77   | 72356               | 17.153  | ug/l   | 100      |
| 27) cis-1,2-Dichloroethene   | 4.501          | 96   | 63332               | 17.788  | ug/l   | 100      |
| 28) Bromochloromethane       | 4.916          | 49   | 50702               | 21.801  | ug/l   | 98       |
| 29) Tetrahydrofuran          | 5.025          | 42   | 102951              | 101.069 | ug/l   | 98       |
| 30) Chloroform               | 5.105          | 83   | 104850              | 18.382  | ug/l   | 97       |
| 31) Cyclohexane              | 5.483          | 56   | 81758               | 15.869  | ug/l   | 98       |
| 32) 1,1,1-Trichloroethane    | 5.397          | 97   | 86106               | 17.538  | ug/l   | 99       |
| 36) 1,1-Dichloropropene      | 5.708          | 75   | 66551               | 16.443  | ug/l   | 98       |
| 37) Ethyl Acetate            | 4.727          | 43   | 75546               | 17.979  | ug/l   | 98       |
| 38) Carbon Tetrachloride     | 5.690          | 117  | 75099               | 16.979  | ug/l   | 98       |
| 39) Methylcyclohexane        | 7.385          | 83   | 80376               | 15.920  | ug/l   | 96       |
| 40) Benzene                  | 6.050          | 78   | 213254              | 17.603  | ug/l   | 98       |



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Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX081925\  
 Data File : VX047405.D  
 Acq On : 19 Aug 2025 12:37  
 Operator : JC/MD  
 Sample : VX0819WBSD01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0819WBSD01

Manual Integrations  
 APPROVED

Reviewed By :John Carlone 08/20/2025  
 Supervised By :Mahesh Dadoda 08/20/2025

Quant Time: Aug 19 12:54:23 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X081525W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Aug 18 04:18:28 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 4.946  | 41   | 33732    | 19.037  | ug/l   | 98       |
| 42) 1,2-Dichloroethane        | 6.098  | 62   | 81377    | 18.964  | ug/l   | 99       |
| 43) Isopropyl Acetate         | 6.348  | 43   | 116749   | 19.341  | ug/l   | 99       |
| 44) Trichloroethene           | 7.135  | 130  | 53112    | 17.122  | ug/l   | 99       |
| 45) 1,2-Dichloropropane       | 7.433  | 63   | 55453    | 18.271  | ug/l   | 99       |
| 46) Dibromomethane            | 7.586  | 93   | 41218    | 18.707  | ug/l   | 98       |
| 47) Bromodichloromethane      | 7.824  | 83   | 82785    | 18.123  | ug/l   | 96       |
| 48) Methyl methacrylate       | 7.696  | 41   | 59306    | 18.928  | ug/l   | 98       |
| 49) 1,4-Dioxane               | 7.683  | 88   | 12842    | 421.610 | ug/l   | 95       |
| 51) 4-Methyl-2-Pentanone      | 8.574  | 43   | 351322   | 101.138 | ug/l   | 98       |
| 52) Toluene                   | 8.720  | 92   | 135282   | 18.071  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 8.982  | 75   | 74320    | 18.642  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 8.372  | 75   | 82154    | 18.206  | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane     | 9.153  | 97   | 54565    | 19.197  | ug/l   | 98       |
| 56) Ethyl methacrylate        | 9.116  | 69   | 80828    | 19.288  | ug/l   | 98       |
| 57) 1,3-Dichloropropane       | 9.311  | 76   | 92722    | 19.145  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 8.244  | 63   | 190782   | 100.511 | ug/l   | 100      |
| 59) 2-Hexanone                | 9.433  | 43   | 241137   | 100.355 | ug/l   | 97       |
| 60) Dibromochloromethane      | 9.518  | 129  | 62976    | 18.644  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 9.610  | 107  | 56725    | 19.354  | ug/l   | 96       |
| 64) Tetrachloroethene         | 9.275  | 164  | 44006    | 16.386  | ug/l   | 98       |
| 65) Chlorobenzene             | 10.079 | 112  | 150949   | 17.108  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 10.165 | 131  | 51594    | 17.298  | ug/l   | 99       |
| 67) Ethyl Benzene             | 10.195 | 91   | 255830   | 16.847  | ug/l   | 100      |
| 68) m/p-Xylenes               | 10.299 | 106  | 194493   | 34.348  | ug/l   | 98       |
| 69) o-Xylene                  | 10.640 | 106  | 92973    | 17.062  | ug/l   | 100      |
| 70) Styrene                   | 10.652 | 104  | 162232   | 17.620  | ug/l   | 100      |
| 71) Bromoform                 | 10.799 | 173  | 40831    | 18.222  | ug/l # | 98       |
| 73) Isopropylbenzene          | 10.963 | 105  | 244270   | 16.480  | ug/l   | 99       |
| 74) N-amyl acetate            | 10.841 | 43   | 100184   | 17.799  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane | 11.207 | 83   | 79781    | 18.332  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 11.238 | 75   | 59679m   | 17.179  | ug/l   |          |
| 77) Bromobenzene              | 11.195 | 156  | 63251    | 17.475  | ug/l   | 97       |
| 78) n-propylbenzene           | 11.305 | 91   | 293555   | 16.583  | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 11.360 | 91   | 179419   | 16.766  | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 206343   | 16.919  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 9694     | 18.086  | ug/l   | 93       |
| 82) 4-Chlorotoluene           | 11.451 | 91   | 212416   | 16.839  | ug/l   | 100      |
| 83) tert-Butylbenzene         | 11.713 | 119  | 203047   | 16.688  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 208526   | 17.098  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 11.890 | 105  | 251738   | 16.692  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 12.006 | 119  | 213521   | 16.732  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 118575   | 17.148  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 12.036 | 146  | 118652   | 16.684  | ug/l   | 98       |
| 89) n-Butylbenzene            | 12.329 | 91   | 197278   | 16.620  | ug/l   | 100      |
| 90) Hexachloroethane          | 12.536 | 117  | 36224    | 16.180  | ug/l   | 96       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 113288   | 17.261  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75   | 14730    | 17.502  | ug/l   | 98       |
| 93) 1,2,4-Trichlorobenzene    | 13.585 | 180  | 72411    | 16.457  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 13.719 | 225  | 25996    | 16.599  | ug/l   | 97       |
| 95) Naphthalene               | 13.774 | 128  | 219869   | 17.486  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 13.957 | 180  | 71446    | 17.227  | ug/l   | 98       |



5

A

B

C

D

E

F

G

H

I

J

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX081925\  
Data File : VX047405.D  
Acq On : 19 Aug 2025 12:37  
Operator : JC/MD  
Sample : VX0819WBSD01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0819WBSD01

Manual Integrations  
APPROVED

Reviewed By :John Carlone 08/20/2025  
Supervised By :Mahesh Dadoda 08/20/2025

Quant Time: Aug 19 12:54:23 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X081525W.M  
Quant Title : SW846 8260  
QLast Update : Mon Aug 18 04:18:28 2025  
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

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

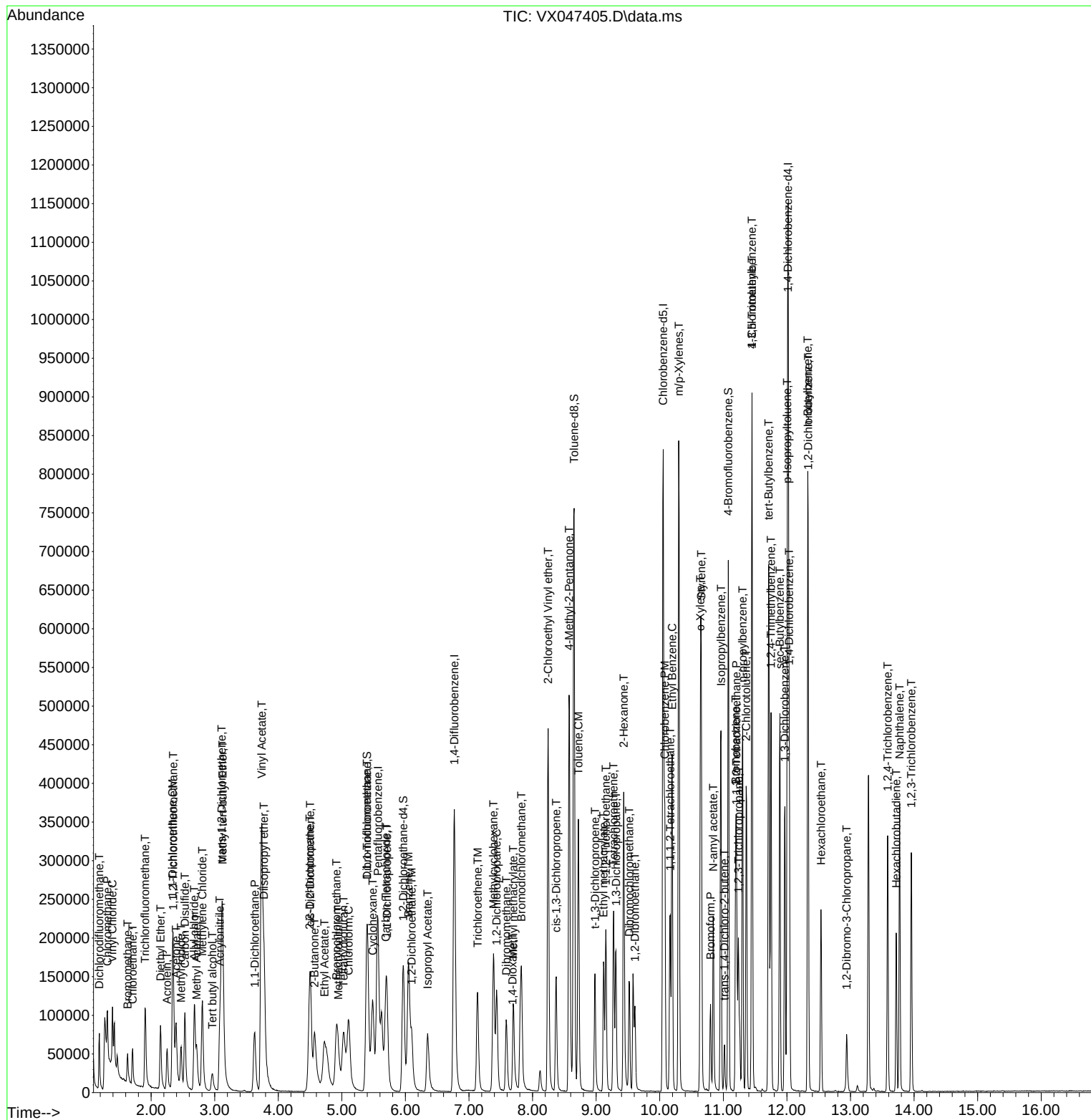
```
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081925\  
Data File : VX047405.D  
Acq On    : 19 Aug 2025 12:37  
Operator  : JC/MD  
Sample    : VX0819WBSD01  
Misc      : 5.0mL/MSVOA_X/WATER  
ALS Vial  : 7 Sample Multiplier: 1
```

**Instrument :**  
MSVOA\_X  
**ClientSampleId :**  
VX0819WBSD01

## Manual Integrations APPROVED

Reviewed By :John Carlone 08/20/2025  
Supervised By :Mahesh Dadoda 08/20/2025

Quant Time: Aug 19 12:54:23 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X081525W.M  
Quant Title : SW846 8260  
QLast Update : Mon Aug 18 04:18:28 2025  
Response via : Initial Calibration



## Manual Integration Report

|           |          |            |         |
|-----------|----------|------------|---------|
| Sequence: | VX081525 | Instrument | MSVOA_x |
|-----------|----------|------------|---------|

| Sample ID   | File ID    | Parameter              | Review By | Review On            | Supervised By | Supervised On        | Reason                      |
|-------------|------------|------------------------|-----------|----------------------|---------------|----------------------|-----------------------------|
| VSTDICC005  | VX047349.D | 1,2,3-Trichloropropane | JOHN      | 8/18/2025 8:37:53 AM | MMDadoda      | 8/19/2025 1:41:03 AM | Peak Integrated by Software |
| VSTDICC005  | VX047349.D | 1,4-Dioxane            | JOHN      | 8/18/2025 8:37:53 AM | MMDadoda      | 8/19/2025 1:41:03 AM | Peak Integrated by Software |
| VSTDICC005  | VX047349.D | Tetrahydrofuran        | JOHN      | 8/18/2025 8:37:53 AM | MMDadoda      | 8/19/2025 1:41:03 AM | Peak Integrated by Software |
| VSTDICC020  | VX047350.D | 1,2,3-Trichloropropane | JOHN      | 8/18/2025 8:37:58 AM | MMDadoda      | 8/19/2025 1:41:04 AM | Peak Integrated by Software |
| VSTDICC020  | VX047350.D | 1,4-Dioxane            | JOHN      | 8/18/2025 8:37:58 AM | MMDadoda      | 8/19/2025 1:41:04 AM | Peak Integrated by Software |
| VSTDICCC050 | VX047351.D | 1,2,3-Trichloropropane | JOHN      | 8/18/2025 8:42:59 AM | MMDadoda      | 8/19/2025 1:41:07 AM | Peak Integrated by Software |
| VSTDICC100  | VX047352.D | 1,2,3-Trichloropropane | JOHN      | 8/18/2025 8:43:03 AM | MMDadoda      | 8/19/2025 1:41:08 AM | Peak Integrated by Software |
| VSTDICC150  | VX047353.D | 1,2,3-Trichloropropane | JOHN      | 8/18/2025 8:43:07 AM | MMDadoda      | 8/19/2025 1:41:10 AM | Peak Integrated by Software |
| VSTDICC001  | VX047356.D | 1,2,3-Trichloropropane | JOHN      | 8/18/2025 8:43:18 AM | MMDadoda      | 8/19/2025 1:41:24 AM | Peak Integrated by Software |
| VSTDICC001  | VX047356.D | 1,4-Dichlorobenzene    | JOHN      | 8/18/2025 8:43:18 AM | MMDadoda      | 8/19/2025 1:41:24 AM | Peak Integrated by Software |
| VSTDICC001  | VX047356.D | 1,4-Dioxane            | JOHN      | 8/18/2025 8:43:18 AM | MMDadoda      | 8/19/2025 1:41:24 AM | Peak Integrated by Software |
| VSTDICC001  | VX047356.D | Allyl chloride         | JOHN      | 8/18/2025 8:43:18 AM | MMDadoda      | 8/19/2025 1:41:24 AM | Peak Integrated by Software |
| VSTDICC001  | VX047356.D | Ethyl Acetate          | JOHN      | 8/18/2025 8:43:18 AM | MMDadoda      | 8/19/2025 1:41:24 AM | Peak Integrated by Software |

## Manual Integration Report

|           |          |            |         |
|-----------|----------|------------|---------|
| Sequence: | VX081525 | Instrument | MSVOA_x |
|-----------|----------|------------|---------|

| Sample ID  | File ID    | Parameter              | Review By | Review On            | Supervised By | Supervised On        | Reason                      |
|------------|------------|------------------------|-----------|----------------------|---------------|----------------------|-----------------------------|
| VSTDICC001 | VX047356.D | Methacrylonitrile      | JOHN      | 8/18/2025 8:43:18 AM | MMDadoda      | 8/19/2025 1:41:24 AM | Peak Integrated by Software |
| VSTDICC001 | VX047356.D | Methyl methacrylate    | JOHN      | 8/18/2025 8:43:18 AM | MMDadoda      | 8/19/2025 1:41:24 AM | Peak Integrated by Software |
| VSTDICC001 | VX047356.D | Tetrahydrofuran        | JOHN      | 8/18/2025 8:43:18 AM | MMDadoda      | 8/19/2025 1:41:24 AM | Peak Integrated by Software |
| VSTDICV050 | VX047357.D | 1,2,3-Trichloropropane | JOHN      | 8/18/2025 8:43:25 AM | MMDadoda      | 8/19/2025 1:41:26 AM | Peak Integrated by Software |
| VSTDICV050 | VX047357.D | 1,4-Dioxane            | JOHN      | 8/18/2025 8:43:25 AM | MMDadoda      | 8/19/2025 1:41:26 AM | Peak Integrated by Software |
| VSTDCCC050 | VX047369.D | 1,2,3-Trichloropropane | JOHN      | 8/18/2025 8:43:44 AM | MMDadoda      | 8/19/2025 1:41:35 AM | Peak Integrated by Software |

## Manual Integration Report

|           |          |            |         |
|-----------|----------|------------|---------|
| Sequence: | VX081925 | Instrument | MSVOA_x |
|-----------|----------|------------|---------|

| Sample ID        | File ID    | Parameter              | Review By | Review On            | Supervised By | Supervised On        | Reason                      |
|------------------|------------|------------------------|-----------|----------------------|---------------|----------------------|-----------------------------|
| VSTDCCC050       | VX047400.D | 1,2,3-Trichloropropane | JOHN      | 8/20/2025 8:36:13 AM | MMDadoda      | 8/20/2025 8:57:32 AM | Peak Integrated by Software |
| VX0819WBS01      | VX047403.D | 1,2,3-Trichloropropane | JOHN      | 8/20/2025 8:36:18 AM | MMDadoda      | 8/20/2025 8:57:35 AM | Peak Integrated by Software |
| VX0819WBSD0<br>1 | VX047405.D | 1,2,3-Trichloropropane | JOHN      | 8/20/2025 8:36:23 AM | MMDadoda      | 8/20/2025 8:57:36 AM | Peak Integrated by Software |
| VSTDCCC050       | VX047425.D | 1,2,3-Trichloropropane | JOHN      | 8/20/2025 8:36:41 AM | MMDadoda      | 8/20/2025 8:57:39 AM | Peak Integrated by Software |

## Manual Integration Report

|           |          |            |         |
|-----------|----------|------------|---------|
| Sequence: | Vx082125 | Instrument | MSVOA_x |
|-----------|----------|------------|---------|

| Sample ID   | File ID    | Parameter              | Review By | Review On            | Supervised By | Supervised On         | Reason                      |
|-------------|------------|------------------------|-----------|----------------------|---------------|-----------------------|-----------------------------|
| VSTDCCC050  | VX047455.D | 1,2,3-Trichloropropane | JOHN      | 8/22/2025 9:18:39 AM | MMDadoda      | 8/22/2025 10:54:21 PM | Peak Integrated by Software |
| VX0821WBS02 | VX047467.D | 1,2,3-Trichloropropane | JOHN      | 8/22/2025 9:18:52 AM | MMDadoda      | 8/22/2025 10:54:29 PM | Peak Integrated by Software |
| VSTDCCC050  | VX047482.D | 1,2,3-Trichloropropane | JOHN      | 8/22/2025 9:19:36 AM | MMDadoda      | 8/22/2025 10:54:39 PM | Peak Integrated by Software |

Instrument ID: MSVOA\_X

## Daily Analysis Runlog For Sequence/QC Batch ID # VX081525

|                          |                                                       |                   |                                   |
|--------------------------|-------------------------------------------------------|-------------------|-----------------------------------|
| Review By                | John Carlone                                          | Review On         | 8/18/2025 8:45:53 AM              |
| Supervise By             | Maresh Dadoda                                         | Supervise On      | 8/19/2025 1:41:47 AM              |
| SubDirectory             | VX081525                                              | HP Acquire Method | HP Processing Method 82X081525W.M |
| <b>STD. NAME</b>         | <b>STD REF.#</b>                                      |                   |                                   |
| Tune/Reschk              | VP135148                                              |                   |                                   |
| Initial Calibration Stds | VP135153,VP135154,VP135155,VP135156,VP135157,VP135158 |                   |                                   |
| CCC                      | VP135152                                              |                   |                                   |
| Internal Standard/PEM    |                                                       |                   |                                   |
| ICV/I.BLK                | VP135159                                              |                   |                                   |
| Surrogate Standard       |                                                       |                   |                                   |
| MS/MSD Standard          |                                                       |                   |                                   |
| LCS Standard             |                                                       |                   |                                   |

| Sr# | SampleId     | Data File Name | Date-Time         | Operator | Status |
|-----|--------------|----------------|-------------------|----------|--------|
| 1   | BFB          | VX047347.D     | 15 Aug 2025 08:28 | JC/MD    | Ok     |
| 2   | VSTDIC001    | VX047348.D     | 15 Aug 2025 09:18 | JC/MD    | Not Ok |
| 3   | VSTDIC005    | VX047349.D     | 15 Aug 2025 09:40 | JC/MD    | Ok,M   |
| 4   | VSTDIC020    | VX047350.D     | 15 Aug 2025 10:01 | JC/MD    | Ok,M   |
| 5   | VSTDIC050    | VX047351.D     | 15 Aug 2025 10:22 | JC/MD    | Ok,M   |
| 6   | VSTDIC100    | VX047352.D     | 15 Aug 2025 10:43 | JC/MD    | Ok,M   |
| 7   | VSTDIC150    | VX047353.D     | 15 Aug 2025 11:05 | JC/MD    | Ok,M   |
| 8   | IBLK         | VX047354.D     | 15 Aug 2025 11:26 | JC/MD    | Ok     |
| 9   | VSTDIC001    | VX047355.D     | 15 Aug 2025 12:08 | JC/MD    | Not Ok |
| 10  | VSTDIC001    | VX047356.D     | 15 Aug 2025 12:30 | JC/MD    | Ok,M   |
| 11  | VSTDICV050   | VX047357.D     | 15 Aug 2025 13:11 | JC/MD    | Ok,M   |
| 12  | VX0815WBL01  | VX047358.D     | 15 Aug 2025 13:39 | JC/MD    | Ok     |
| 13  | VX0815MBL01  | VX047359.D     | 15 Aug 2025 14:00 | JC/MD    | Ok     |
| 14  | VX0815WBS01  | VX047360.D     | 15 Aug 2025 14:21 | JC/MD    | Ok,M   |
| 15  | VX0815WBSD01 | VX047361.D     | 15 Aug 2025 14:49 | JC/MD    | Ok,M   |
| 16  | Q2880-01     | VX047362.D     | 15 Aug 2025 15:10 | JC/MD    | Ok     |
| 17  | Q2880-02     | VX047363.D     | 15 Aug 2025 15:32 | JC/MD    | Ok     |
| 18  | Q2880-03     | VX047364.D     | 15 Aug 2025 15:53 | JC/MD    | Ok     |
| 19  | Q2880-04     | VX047365.D     | 15 Aug 2025 16:15 | JC/MD    | Ok     |
| 20  | Q2886-01     | VX047366.D     | 15 Aug 2025 16:36 | JC/MD    | Ok     |
| 21  | Q2886-02     | VX047367.D     | 15 Aug 2025 16:58 | JC/MD    | ReRun  |

Instrument ID: MSVOA\_X

**Daily Analysis Runlog For Sequence/QC Batch ID # VX081525**

| Review By                | John Carlone                                          | Review On         | 8/18/2025 8:45:53 AM              |
|--------------------------|-------------------------------------------------------|-------------------|-----------------------------------|
| Supervise By             | Mahesh Dadoda                                         | Supervise On      | 8/19/2025 1:41:47 AM              |
| SubDirectory             | VX081525                                              | HP Acquire Method | HP Processing Method 82X081525W.M |
| STD. NAME                | STD REF.#                                             |                   |                                   |
| Tune/Reschk              | VP135148                                              |                   |                                   |
| Initial Calibration Stds | VP135153,VP135154,VP135155,VP135156,VP135157,VP135158 |                   |                                   |
| CCC                      | VP135152                                              |                   |                                   |
| Internal Standard/PEM    |                                                       |                   |                                   |
| ICV/I.BLK                | VP135159                                              |                   |                                   |
| Surrogate Standard       |                                                       |                   |                                   |
| MS/MSD Standard          |                                                       |                   |                                   |
| LCS Standard             |                                                       |                   |                                   |

|    |            |            |                   |       |      |
|----|------------|------------|-------------------|-------|------|
| 22 | Q2837-01   | VX047368.D | 15 Aug 2025 17:19 | JC/MD | Ok,M |
| 23 | VSTDCCC050 | VX047369.D | 15 Aug 2025 17:41 | JC/MD | Ok,M |

M : Manual Integration



Instrument ID: MSVOA\_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX081925

|                                                                                                    |                   |                   |                                   |
|----------------------------------------------------------------------------------------------------|-------------------|-------------------|-----------------------------------|
| Review By                                                                                          | John Carlone      | Review On         | 8/20/2025 8:46:25 AM              |
| Supervise By                                                                                       | Maresh Dadoda     | Supervise On      | 8/20/2025 8:58:28 AM              |
| SubDirectory                                                                                       | VX081925          | HP Acquire Method | HP Processing Method 82X081525W.M |
| <b>STD. NAME</b>                                                                                   | <b>STD REF.#</b>  |                   |                                   |
| Tune/Reschk<br>Initial Calibration Stds                                                            | VP135170          |                   |                                   |
| CCC<br>Internal Standard/PEM<br>ICV/I.BLK<br>Surrogate Standard<br>MS/MSD Standard<br>LCS Standard | VP135171,VP135172 |                   |                                   |

| Sr# | SampleId     | Data File Name | Date-Time         | Operator | Status   |
|-----|--------------|----------------|-------------------|----------|----------|
| 1   | BFB          | VX047399.D     | 19 Aug 2025 08:38 | JC/MD    | Ok       |
| 2   | VSTDCCC050   | VX047400.D     | 19 Aug 2025 09:37 | JC/MD    | Ok,M     |
| 3   | VX0819MBL01  | VX047401.D     | 19 Aug 2025 10:05 | JC/MD    | Ok       |
| 4   | VX0819WBL01  | VX047402.D     | 19 Aug 2025 10:55 | JC/MD    | Ok       |
| 5   | VX0819WBS01  | VX047403.D     | 19 Aug 2025 11:55 | JC/MD    | Ok,M     |
| 6   | Q2815-11     | VX047404.D     | 19 Aug 2025 12:16 | JC/MD    | Ok       |
| 7   | VX0819WBSD01 | VX047405.D     | 19 Aug 2025 12:37 | JC/MD    | Ok,M     |
| 8   | Q2815-12     | VX047406.D     | 19 Aug 2025 12:59 | JC/MD    | Ok       |
| 9   | Q2815-16RE   | VX047407.D     | 19 Aug 2025 13:20 | JC/MD    | Confirms |
| 10  | Q2815-24     | VX047408.D     | 19 Aug 2025 13:41 | JC/MD    | Ok       |
| 11  | Q2815-26     | VX047409.D     | 19 Aug 2025 14:07 | JC/MD    | ReRun    |
| 12  | Q2841-01     | VX047410.D     | 19 Aug 2025 14:29 | JC/MD    | Ok       |
| 13  | Q2841-01DL   | VX047411.D     | 19 Aug 2025 14:50 | JC/MD    | Not Ok   |
| 14  | Q2815-20     | VX047412.D     | 19 Aug 2025 15:11 | JC/MD    | Ok       |
| 15  | Q2815-21     | VX047413.D     | 19 Aug 2025 15:32 | JC/MD    | ReRun    |
| 16  | Q2815-22     | VX047414.D     | 19 Aug 2025 15:53 | JC/MD    | ReRun    |
| 17  | Q2815-23     | VX047415.D     | 19 Aug 2025 16:14 | JC/MD    | Ok       |
| 18  | Q2869-07     | VX047416.D     | 19 Aug 2025 16:36 | JC/MD    | Ok       |
| 19  | Q2869-10     | VX047417.D     | 19 Aug 2025 16:57 | JC/MD    | Ok       |
| 20  | Q2869-11     | VX047418.D     | 19 Aug 2025 17:18 | JC/MD    | Ok       |
| 21  | Q2815-18     | VX047419.D     | 19 Aug 2025 17:39 | JC/MD    | Ok       |

Instrument ID: MSVOA\_X

**Daily Analysis Runlog For Sequence/QCBatch ID # VX081925**

| Review By                                                                                          | John Carlone      | Review On         | 8/20/2025 8:46:25 AM              |
|----------------------------------------------------------------------------------------------------|-------------------|-------------------|-----------------------------------|
| Supervise By                                                                                       | Maresh Dadoda     | Supervise On      | 8/20/2025 8:58:28 AM              |
| SubDirectory                                                                                       | VX081925          | HP Acquire Method | HP Processing Method 82X081525W.M |
| STD. NAME                                                                                          | STD REF.#         |                   |                                   |
| Tune/Reschk<br>Initial Calibration Stds                                                            | VP135170          |                   |                                   |
| CCC<br>Internal Standard/PEM<br>ICV/I.BLK<br>Surrogate Standard<br>MS/MSD Standard<br>LCS Standard | VP135171,VP135172 |                   |                                   |

|    |             |            |                   |       |      |
|----|-------------|------------|-------------------|-------|------|
| 22 | Q2815-19    | VX047420.D | 19 Aug 2025 18:00 | JC/MD | Ok   |
| 23 | Q2869-01    | VX047421.D | 19 Aug 2025 18:22 | JC/MD | Ok   |
| 24 | VX0819MBS01 | VX047422.D | 19 Aug 2025 18:43 | JC/MD | Ok,M |
| 25 | Q2844-09DL  | VX047423.D | 19 Aug 2025 19:04 | JC/MD | Ok   |
| 26 | Q2884-03DL  | VX047424.D | 19 Aug 2025 19:25 | JC/MD | Ok   |
| 27 | VSTDCCC050  | VX047425.D | 19 Aug 2025 19:47 | JC/MD | Ok,M |

M : Manual Integration

Instrument ID: MSVOA\_X

**Daily Analysis Runlog For Sequence/QC Batch ID # VX082125**

|                                                                                                    |                   |                   |                                   |
|----------------------------------------------------------------------------------------------------|-------------------|-------------------|-----------------------------------|
| Review By                                                                                          | John Carlone      | Review On         | 8/22/2025 9:26:16 AM              |
| Supervise By                                                                                       | Maresh Dadoda     | Supervise On      | 8/22/2025 10:55:07 PM             |
| SubDirectory                                                                                       | VX082125          | HP Acquire Method | HP Processing Method 82X081525W.M |
| <b>STD. NAME</b>                                                                                   | <b>STD REF.#</b>  |                   |                                   |
| Tune/Reschk<br>Initial Calibration Stds                                                            | VP135197          |                   |                                   |
| CCC<br>Internal Standard/PEM<br>ICV/I.BLK<br>Surrogate Standard<br>MS/MSD Standard<br>LCS Standard | VP135198,VP135199 |                   |                                   |

| Sr# | SampleId     | Data File Name | Date-Time         | Operator | Status   |
|-----|--------------|----------------|-------------------|----------|----------|
| 1   | BFB          | VX047454.D     | 21 Aug 2025 07:58 | JC/MD    | Ok       |
| 2   | VSTDCCC050   | VX047455.D     | 21 Aug 2025 09:35 | JC/MD    | Ok,M     |
| 3   | VX0821MBL01  | VX047456.D     | 21 Aug 2025 10:03 | JC/MD    | Ok       |
| 4   | VX0821WBL01  | VX047457.D     | 21 Aug 2025 10:24 | JC/MD    | Ok       |
| 5   | VX0821WBS01  | VX047458.D     | 21 Aug 2025 10:50 | JC/MD    | Not Ok   |
| 6   | VX0821WBSD01 | VX047459.D     | 21 Aug 2025 11:18 | JC/MD    | Not Ok   |
| 7   | Q2869-04     | VX047460.D     | 21 Aug 2025 11:39 | JC/MD    | Dilution |
| 8   | Q2869-05     | VX047461.D     | 21 Aug 2025 12:00 | JC/MD    | Ok       |
| 9   | Q2869-03     | VX047462.D     | 21 Aug 2025 12:22 | JC/MD    | Ok       |
| 10  | Q2900-02DL   | VX047463.D     | 21 Aug 2025 12:43 | JC/MD    | Ok       |
| 11  | Q2900-03DL   | VX047464.D     | 21 Aug 2025 13:04 | JC/MD    | Ok       |
| 12  | Q2900-05DL   | VX047465.D     | 21 Aug 2025 13:25 | JC/MD    | Ok       |
| 13  | Q2900-08     | VX047466.D     | 21 Aug 2025 13:46 | JC/MD    | Ok       |
| 14  | VX0821WBS02  | VX047467.D     | 21 Aug 2025 14:07 | JC/MD    | Ok,M     |
| 15  | Q2869-04DL   | VX047468.D     | 21 Aug 2025 14:28 | JC/MD    | Ok       |
| 16  | Q2900-07RE   | VX047469.D     | 21 Aug 2025 14:49 | JC/MD    | Confirms |
| 17  | VX0821WBSD02 | VX047470.D     | 21 Aug 2025 15:10 | JC/MD    | Ok,M     |
| 18  | Q2900-06     | VX047471.D     | 21 Aug 2025 15:31 | JC/MD    | Ok       |
| 19  | Q2903-01     | VX047472.D     | 21 Aug 2025 15:53 | JC/MD    | Ok       |
| 20  | Q2903-02     | VX047473.D     | 21 Aug 2025 16:14 | JC/MD    | ReRun    |
| 21  | Q2900-04     | VX047474.D     | 21 Aug 2025 16:35 | JC/MD    | Ok       |

Instrument ID: MSVOA\_X

**Daily Analysis Runlog For Sequence/QCBatch ID # VX082125**

| Review By                                                                                          | John Carlone      | Review On         | 8/22/2025 9:26:16 AM              |
|----------------------------------------------------------------------------------------------------|-------------------|-------------------|-----------------------------------|
| Supervise By                                                                                       | Mahesh Dadoda     | Supervise On      | 8/22/2025 10:55:07 PM             |
| SubDirectory                                                                                       | VX082125          | HP Acquire Method | HP Processing Method 82X081525W.M |
| STD. NAME                                                                                          | STD REF.#         |                   |                                   |
| Tune/Reschk<br>Initial Calibration Stds                                                            | VP135197          |                   |                                   |
| CCC<br>Internal Standard/PEM<br>ICV/I.BLK<br>Surrogate Standard<br>MS/MSD Standard<br>LCS Standard | VP135198,VP135199 |                   |                                   |

|    |             |            |                   |       |          |
|----|-------------|------------|-------------------|-------|----------|
| 22 | Q2903-03    | VX047475.D | 21 Aug 2025 16:56 | JC/MD | Ok,M     |
| 23 | Q2903-04    | VX047476.D | 21 Aug 2025 17:17 | JC/MD | Ok       |
| 24 | Q2903-05MS  | VX047477.D | 21 Aug 2025 17:39 | JC/MD | Not Ok   |
| 25 | Q2903-06MSD | VX047478.D | 21 Aug 2025 18:00 | JC/MD | Not Ok   |
| 26 | Q2903-07    | VX047479.D | 21 Aug 2025 18:21 | JC/MD | Dilution |
| 27 | Q2903-08    | VX047480.D | 21 Aug 2025 18:42 | JC/MD | Ok       |
| 28 | Q2903-09    | VX047481.D | 21 Aug 2025 19:03 | JC/MD | ReRun    |
| 29 | VSTDCCC050  | VX047482.D | 21 Aug 2025 19:25 | JC/MD | Ok,M     |

M : Manual Integration

Instrument ID: MSVOA\_X

### Daily Analysis Runlog For Sequence/QC Batch ID # VX081525

|                          |                                                       |                   |                                   |
|--------------------------|-------------------------------------------------------|-------------------|-----------------------------------|
| Review By                | John Carlone                                          | Review On         | 8/18/2025 8:45:53 AM              |
| Supervise By             | Maresh Dadoda                                         | Supervise On      | 8/19/2025 1:41:47 AM              |
| SubDirectory             | VX081525                                              | HP Acquire Method | HP Processing Method 82X081525W.M |
| <b>STD. NAME</b>         | <b>STD REF.#</b>                                      |                   |                                   |
| Tune/Reschk              | VP135148                                              |                   |                                   |
| Initial Calibration Stds | VP135153,VP135154,VP135155,VP135156,VP135157,VP135158 |                   |                                   |
| CCC                      | VP135152                                              |                   |                                   |
| Internal Standard/PEM    | VP135159                                              |                   |                                   |
| ICV/I.BLK                |                                                       |                   |                                   |
| Surrogate Standard       |                                                       |                   |                                   |
| MS/MSD Standard          |                                                       |                   |                                   |
| LCS Standard             |                                                       |                   |                                   |

| Sr# | SampleID     | ClientID         | Data File Name | Date-Time         | Comment     | Operator | Status |
|-----|--------------|------------------|----------------|-------------------|-------------|----------|--------|
| 1   | BFB          | BFB              | VX047347.D     | 15 Aug 2025 08:28 |             | JC/MD    | Ok     |
| 2   | VSTDIC001    | VSTDIC001        | VX047348.D     | 15 Aug 2025 09:18 | Not used    | JC/MD    | Not Ok |
| 3   | VSTDIC005    | VSTDIC005        | VX047349.D     | 15 Aug 2025 09:40 | LR-58,81    | JC/MD    | Ok,M   |
| 4   | VSTDIC020    | VSTDIC020        | VX047350.D     | 15 Aug 2025 10:01 |             | JC/MD    | Ok,M   |
| 5   | VSTDIC050    | VSTDIC050        | VX047351.D     | 15 Aug 2025 10:22 |             | JC/MD    | Ok,M   |
| 6   | VSTDIC100    | VSTDIC100        | VX047352.D     | 15 Aug 2025 10:43 |             | JC/MD    | Ok,M   |
| 7   | VSTDIC150    | VSTDIC150        | VX047353.D     | 15 Aug 2025 11:05 |             | JC/MD    | Ok,M   |
| 8   | IBLK         | IBLK             | VX047354.D     | 15 Aug 2025 11:26 |             | JC/MD    | Ok     |
| 9   | VSTDIC001    | VSTDIC001        | VX047355.D     | 15 Aug 2025 12:08 | Not used    | JC/MD    | Not Ok |
| 10  | VSTDIC001    | VSTDIC001        | VX047356.D     | 15 Aug 2025 12:30 |             | JC/MD    | Ok,M   |
| 11  | VSTDICV050   | ICVVX081525      | VX047357.D     | 15 Aug 2025 13:11 |             | JC/MD    | Ok,M   |
| 12  | VX0815WBL01  | VX0815WBL01      | VX047358.D     | 15 Aug 2025 13:39 |             | JC/MD    | Ok     |
| 13  | VX0815MBL01  | VX0815MBL01      | VX047359.D     | 15 Aug 2025 14:00 |             | JC/MD    | Ok     |
| 14  | VX0815WBS01  | VX0815WBS01      | VX047360.D     | 15 Aug 2025 14:21 |             | JC/MD    | Ok,M   |
| 15  | VX0815WBSD01 | VX0815WBSD01     | VX047361.D     | 15 Aug 2025 14:49 |             | JC/MD    | Ok,M   |
| 16  | Q2880-01     | STORAGE-BLANK-SO | VX047362.D     | 15 Aug 2025 15:10 | vial A pH<2 | JC/MD    | Ok     |
| 17  | Q2880-02     | STORAGE-BLANK-WA | VX047363.D     | 15 Aug 2025 15:32 | vial A pH<2 | JC/MD    | Ok     |
| 18  | Q2880-03     | STORAGE-BLANK-WA | VX047364.D     | 15 Aug 2025 15:53 | vial A pH<2 | JC/MD    | Ok     |

Instrument ID: MSVOA\_X

**Daily Analysis Runlog For Sequence/QC Batch ID # VX081525**

| Review By                | John Carlone                                          | Review On         | 8/18/2025 8:45:53 AM              |
|--------------------------|-------------------------------------------------------|-------------------|-----------------------------------|
| Supervise By             | Maresh Dadoda                                         | Supervise On      | 8/19/2025 1:41:47 AM              |
| SubDirectory             | VX081525                                              | HP Acquire Method | HP Processing Method 82X081525W.M |
| STD. NAME                | STD REF.#                                             |                   |                                   |
| Tune/Reschk              | VP135148                                              |                   |                                   |
| Initial Calibration Stds | VP135153,VP135154,VP135155,VP135156,VP135157,VP135158 |                   |                                   |
| CCC                      | VP135152                                              |                   |                                   |
| Internal Standard/PEM    |                                                       |                   |                                   |
| ICV/I.BLK                | VP135159                                              |                   |                                   |
| Surrogate Standard       |                                                       |                   |                                   |
| MS/MSD Standard          |                                                       |                   |                                   |
| LCS Standard             |                                                       |                   |                                   |

|    |            |                     |            |                   |                            |       |       |
|----|------------|---------------------|------------|-------------------|----------------------------|-------|-------|
| 19 | Q2880-04   | STORAGE-BLANK-SAL   | VX047365.D | 15 Aug 2025 16:15 | vial A pH<2                | JC/MD | Ok    |
| 20 | Q2886-01   | BP-TT182D-TB-202508 | VX047366.D | 15 Aug 2025 16:36 | vial A pH<2                | JC/MD | Ok    |
| 21 | Q2886-02   | BP-TT182D-GW-202508 | VX047367.D | 15 Aug 2025 16:58 | vial A pH<2 Surrogate Fail | JC/MD | ReRun |
| 22 | Q2837-01   | TW-WTS-13           | VX047368.D | 15 Aug 2025 17:19 | vial B pH<2                | JC/MD | Ok,M  |
| 23 | VSTDCCC050 | VSTDCCC050EC        | VX047369.D | 15 Aug 2025 17:41 |                            | JC/MD | Ok,M  |

M : Manual Integration

Instrument ID: MSVOA\_X

## Daily Analysis Runlog For Sequence/QC Batch ID # VX081925

|                                                                                                    |                   |                   |                                   |
|----------------------------------------------------------------------------------------------------|-------------------|-------------------|-----------------------------------|
| Review By                                                                                          | John Carlone      | Review On         | 8/20/2025 8:46:25 AM              |
| Supervise By                                                                                       | Maresh Dadoda     | Supervise On      | 8/20/2025 8:58:28 AM              |
| SubDirectory                                                                                       | VX081925          | HP Acquire Method | HP Processing Method 82X081525W.M |
| <b>STD. NAME</b>                                                                                   | <b>STD REF.#</b>  |                   |                                   |
| Tune/Reschk<br>Initial Calibration Stds                                                            | VP135170          |                   |                                   |
| CCC<br>Internal Standard/PEM<br>ICV/I.BLK<br>Surrogate Standard<br>MS/MSD Standard<br>LCS Standard | VP135171,VP135172 |                   |                                   |

| Sr# | SampleID     | ClientID            | Data File Name | Date-Time         | Comment                       | Operator | Status   |
|-----|--------------|---------------------|----------------|-------------------|-------------------------------|----------|----------|
| 1   | BFB          | BFB                 | VX047399.D     | 19 Aug 2025 08:38 |                               | JC/MD    | Ok       |
| 2   | VSTDCCC050   | VSTDCCC050          | VX047400.D     | 19 Aug 2025 09:37 | pH#Lot#V12668                 | JC/MD    | Ok,M     |
| 3   | VX0819MBL01  | VX0819MBL01         | VX047401.D     | 19 Aug 2025 10:05 |                               | JC/MD    | Ok       |
| 4   | VX0819WBL01  | VX0819WBL01         | VX047402.D     | 19 Aug 2025 10:55 |                               | JC/MD    | Ok       |
| 5   | VX0819WBS01  | VX0819WBS01         | VX047403.D     | 19 Aug 2025 11:55 |                               | JC/MD    | Ok,M     |
| 6   | Q2815-11     | TW-22M-W            | VX047404.D     | 19 Aug 2025 12:16 | vial B pH<2                   | JC/MD    | Ok       |
| 7   | VX0819WBSD01 | VX0819WBSD01        | VX047405.D     | 19 Aug 2025 12:37 |                               | JC/MD    | Ok,M     |
| 8   | Q2815-12     | TW-22M-S            | VX047406.D     | 19 Aug 2025 12:59 | vial B pH<2                   | JC/MD    | Ok       |
| 9   | Q2815-16RE   | TW-17M-SRE          | VX047407.D     | 19 Aug 2025 13:20 | vial B pH<2 Surrogate Fail    | JC/MD    | Confirms |
| 10  | Q2815-24     | TB                  | VX047408.D     | 19 Aug 2025 13:41 | vial A pH<2 TB                | JC/MD    | Ok       |
| 11  | Q2815-26     | FB                  | VX047409.D     | 19 Aug 2025 14:07 | vial A pH<2 FB;Surrogate Fail | JC/MD    | ReRun    |
| 12  | Q2841-01     | MW-06-6.5-08122025  | VX047410.D     | 19 Aug 2025 14:29 | vial A pH<2                   | JC/MD    | Ok       |
| 13  | Q2841-01DL   | MW-06-6.5-08122025D | VX047411.D     | 19 Aug 2025 14:50 | Not required                  | JC/MD    | Not Ok   |
| 14  | Q2815-20     | TW-11M-W            | VX047412.D     | 19 Aug 2025 15:11 | vial A pH<2                   | JC/MD    | Ok       |
| 15  | Q2815-21     | TW-11M-E            | VX047413.D     | 19 Aug 2025 15:32 | vial A pH<2 Surrogate Fail    | JC/MD    | ReRun    |
| 16  | Q2815-22     | TW-11M-S            | VX047414.D     | 19 Aug 2025 15:53 | vial A pH<2 Surrogate Fail    | JC/MD    | ReRun    |
| 17  | Q2815-23     | TW-11M-N            | VX047415.D     | 19 Aug 2025 16:14 | vial A pH<2                   | JC/MD    | Ok       |
| 18  | Q2869-07     | EB01-081325         | VX047416.D     | 19 Aug 2025 16:36 | vial A pH<2 EB                | JC/MD    | Ok       |

Instrument ID: MSVOA\_X

**Daily Analysis Runlog For Sequence/QC Batch ID # VX081925**

| Review By                                                                                          | John Carlone      | Review On         | 8/20/2025 8:46:25 AM              |
|----------------------------------------------------------------------------------------------------|-------------------|-------------------|-----------------------------------|
| Supervise By                                                                                       | Maresh Dadoda     | Supervise On      | 8/20/2025 8:58:28 AM              |
| SubDirectory                                                                                       | VX081925          | HP Acquire Method | HP Processing Method 82X081525W.M |
| STD. NAME                                                                                          | STD REF.#         |                   |                                   |
| Tune/Reschk<br>Initial Calibration Stds                                                            | VP135170          |                   |                                   |
| CCC<br>Internal Standard/PEM<br>ICV/I.BLK<br>Surrogate Standard<br>MS/MSD Standard<br>LCS Standard | VP135171,VP135172 |                   |                                   |

|    |             |                    |            |                   |                |       |      |
|----|-------------|--------------------|------------|-------------------|----------------|-------|------|
| 19 | Q2869-10    | EB02-081325        | VX047417.D | 19 Aug 2025 16:57 | vial A pH<2 EB | JC/MD | Ok   |
| 20 | Q2869-11    | TB01-081325        | VX047418.D | 19 Aug 2025 17:18 | vial A pH<2 TB | JC/MD | Ok   |
| 21 | Q2815-18    | TW-84SB-W          | VX047419.D | 19 Aug 2025 17:39 | vial A pH<2    | JC/MD | Ok   |
| 22 | Q2815-19    | DUP                | VX047420.D | 19 Aug 2025 18:00 | vial A pH<2    | JC/MD | Ok   |
| 23 | Q2869-01    | MW-19B-71.5-081325 | VX047421.D | 19 Aug 2025 18:22 | vial A pH<2    | JC/MD | Ok   |
| 24 | VX0819MBS01 | VX0819MBS01        | VX047422.D | 19 Aug 2025 18:43 |                | JC/MD | Ok,M |
| 25 | Q2844-09DL  | MOO-25-0226DL      | VX047423.D | 19 Aug 2025 19:04 |                | JC/MD | Ok   |
| 26 | Q2884-03DL  | 302DL              | VX047424.D | 19 Aug 2025 19:25 |                | JC/MD | Ok   |
| 27 | VSTDCCC050  | VSTDCCC050EC       | VX047425.D | 19 Aug 2025 19:47 |                | JC/MD | Ok,M |

M : Manual Integration



Instrument ID: MSVOA\_X

## Daily Analysis Runlog For Sequence/QC Batch ID # VX082125

|                                                                                                    |                   |                   |                                   |
|----------------------------------------------------------------------------------------------------|-------------------|-------------------|-----------------------------------|
| Review By                                                                                          | John Carlone      | Review On         | 8/22/2025 9:26:16 AM              |
| Supervise By                                                                                       | Mahesh Dadoda     | Supervise On      | 8/22/2025 10:55:07 PM             |
| SubDirectory                                                                                       | VX082125          | HP Acquire Method | HP Processing Method 82X081525W.M |
| <b>STD. NAME</b>                                                                                   | <b>STD REF.#</b>  |                   |                                   |
| Tune/Reschk<br>Initial Calibration Stds                                                            | VP135197          |                   |                                   |
| CCC<br>Internal Standard/PEM<br>ICV/I.BLK<br>Surrogate Standard<br>MS/MSD Standard<br>LCS Standard | VP135198,VP135199 |                   |                                   |

| Sr# | SampleID     | ClientID            | Data File Name | Date-Time         | Comment                    | Operator | Status   |
|-----|--------------|---------------------|----------------|-------------------|----------------------------|----------|----------|
| 1   | BFB          | BFB                 | VX047454.D     | 21 Aug 2025 07:58 |                            | JC/MD    | Ok       |
| 2   | VSTDCCC050   | VSTDCCC050          | VX047455.D     | 21 Aug 2025 09:35 | pH#Lot#V12668              | JC/MD    | Ok,M     |
| 3   | VX0821MBL01  | VX0821MBL01         | VX047456.D     | 21 Aug 2025 10:03 |                            | JC/MD    | Ok       |
| 4   | VX0821WBL01  | VX0821WBL01         | VX047457.D     | 21 Aug 2025 10:24 |                            | JC/MD    | Ok       |
| 5   | VX0821WBS01  | VX0821WBS01         | VX047458.D     | 21 Aug 2025 10:50 | Recovery fail              | JC/MD    | Not Ok   |
| 6   | VX0821WBSD01 | VX0821WBSD01        | VX047459.D     | 21 Aug 2025 11:18 | Recovery fail              | JC/MD    | Not Ok   |
| 7   | Q2869-04     | MW-11A-13.5-081325  | VX047460.D     | 21 Aug 2025 11:39 | vial A pH<2 Need 20X       | JC/MD    | Dilution |
| 8   | Q2869-05     | MW-19B-71.5-081325  | VX047461.D     | 21 Aug 2025 12:00 | vial A pH<2                | JC/MD    | Ok       |
| 9   | Q2869-03     | MW-01-6.5-081325    | VX047462.D     | 21 Aug 2025 12:22 | vial A pH<2                | JC/MD    | Ok       |
| 10  | Q2900-02DL   | MN-12C-081825DL     | VX047463.D     | 21 Aug 2025 12:43 | vial B pH<2                | JC/MD    | Ok       |
| 11  | Q2900-03DL   | DUP-01-081825DL     | VX047464.D     | 21 Aug 2025 13:04 | vial B pH<2                | JC/MD    | Ok       |
| 12  | Q2900-05DL   | MW-11C-081825DL     | VX047465.D     | 21 Aug 2025 13:25 | vial B pH<2                | JC/MD    | Ok       |
| 13  | Q2900-08     | TB-081825           | VX047466.D     | 21 Aug 2025 13:46 | vial B pH<2 TB             | JC/MD    | Ok       |
| 14  | VX0821WBS02  | VX0821WBS02         | VX047467.D     | 21 Aug 2025 14:07 |                            | JC/MD    | Ok,M     |
| 15  | Q2869-04DL   | MW-11A-13.5-081325D | VX047468.D     | 21 Aug 2025 14:28 | vial B pH<2                | JC/MD    | Ok       |
| 16  | Q2900-07RE   | MW-11B-081825RE     | VX047469.D     | 21 Aug 2025 14:49 | vial B pH<2 Surrogate Fail | JC/MD    | Confirms |
| 17  | VX0821WBSD02 | VX0821WBSD02        | VX047470.D     | 21 Aug 2025 15:10 |                            | JC/MD    | Ok,M     |
| 18  | Q2900-06     | MW-17C-081825       | VX047471.D     | 21 Aug 2025 15:31 | vial B pH<2                | JC/MD    | Ok       |

Instrument ID: MSVOA\_X

**Daily Analysis Runlog For Sequence/QC Batch ID # VX082125**

| Review By                                                                                          | John Carlone      | Review On         | 8/22/2025 9:26:16 AM              |
|----------------------------------------------------------------------------------------------------|-------------------|-------------------|-----------------------------------|
| Supervise By                                                                                       | Maresh Dadoda     | Supervise On      | 8/22/2025 10:55:07 PM             |
| SubDirectory                                                                                       | VX082125          | HP Acquire Method | HP Processing Method 82X081525W.M |
| STD. NAME                                                                                          | STD REF.#         |                   |                                   |
| Tune/Reschk<br>Initial Calibration Stds                                                            | VP135197          |                   |                                   |
| CCC<br>Internal Standard/PEM<br>ICV/I.BLK<br>Surrogate Standard<br>MS/MSD Standard<br>LCS Standard | VP135198,VP135199 |                   |                                   |

|    |             |                |            |                   |                                     |       |          |
|----|-------------|----------------|------------|-------------------|-------------------------------------|-------|----------|
| 19 | Q2903-01    | MW-6A-081925   | VX047472.D | 21 Aug 2025 15:53 | vial A pH<2                         | JC/MD | Ok       |
| 20 | Q2903-02    | MW-1C-081925   | VX047473.D | 21 Aug 2025 16:14 | vial A pH<2 Surrogate Fail          | JC/MD | ReRun    |
| 21 | Q2900-04    | MW-17B-081825  | VX047474.D | 21 Aug 2025 16:35 | vial B pH<2                         | JC/MD | Ok       |
| 22 | Q2903-03    | MW-6B-081925   | VX047475.D | 21 Aug 2025 16:56 | vial A pH<2                         | JC/MD | Ok,M     |
| 23 | Q2903-04    | MW-1B-081925   | VX047476.D | 21 Aug 2025 17:17 | vial A pH<2                         | JC/MD | Ok       |
| 24 | Q2903-05MS  | Q2903-03MSMS   | VX047477.D | 21 Aug 2025 17:39 | Spike not added                     | JC/MD | Not Ok   |
| 25 | Q2903-06MSD | Q2903-03MSDMSD | VX047478.D | 21 Aug 2025 18:00 | Surrogate Fail;Spike not added      | JC/MD | Not Ok   |
| 26 | Q2903-07    | MW-12B-081925  | VX047479.D | 21 Aug 2025 18:21 | vial A pH<2 Surrogate Fail;Need 10X | JC/MD | Dilution |
| 27 | Q2903-08    | MW-18B-081925  | VX047480.D | 21 Aug 2025 18:42 | vial A pH<2                         | JC/MD | Ok       |
| 28 | Q2903-09    | DUP-02-081925  | VX047481.D | 21 Aug 2025 19:03 | vial A pH<2 Surrogate Fail          | JC/MD | ReRun    |
| 29 | VSTDCCC050  | VSTDCCC050EC   | VX047482.D | 21 Aug 2025 19:25 |                                     | JC/MD | Ok,M     |

M : Manual Integration

## LAB CHRONICLE

|                 |                                |                   |                                           |
|-----------------|--------------------------------|-------------------|-------------------------------------------|
| <b>OrderID:</b> | Q2869                          | <b>OrderDate:</b> | 8/14/2025 9:15:00 AM                      |
| <b>Client:</b>  | JACOBS Engineering Group, Inc. | <b>Project:</b>   | Former Schlumberger STC PTC Site D3868221 |
| <b>Contact:</b> | John Ynfante                   | <b>Location:</b>  | J31,VOA Lab                               |

| LabID      | ClientID                  | Matrix | Test         | Method   | Sample Date | Prep Date | Anal Date | Received |
|------------|---------------------------|--------|--------------|----------|-------------|-----------|-----------|----------|
| Q2869-01   | MW-19B-71.5-081325        | Water  | VOCMS Group3 | 8260-Low | 08/13/25    |           | 08/19/25  | 08/13/25 |
| Q2869-03   | MW-01-6.5-081325          | Water  | VOCMS Group3 | 8260-Low | 08/13/25    |           | 08/21/25  | 08/13/25 |
| Q2869-04   | MW-11A-13.5-081325        | Water  | VOCMS Group3 | 8260-Low | 08/13/25    |           | 08/21/25  | 08/13/25 |
| Q2869-04DL | MW-11A-13.5-081325<br>DL  | Water  | VOCMS Group3 | 8260-Low | 08/13/25    |           | 08/21/25  | 08/13/25 |
| Q2869-05   | MW-19B-71.5-081325<br>-FD | Water  | VOCMS Group3 | 8260-Low | 08/13/25    |           | 08/21/25  | 08/13/25 |
| Q2869-07   | EB01-081325               | Water  | VOCMS Group3 | 8260-Low | 08/13/25    |           | 08/19/25  | 08/13/25 |
| Q2869-10   | EB02-081325               | Water  | VOCMS Group3 | 8260-Low | 08/13/25    |           | 08/19/25  | 08/13/25 |
| Q2869-11   | TB01-081325               | Water  | VOCMS Group3 | 8260-Low | 08/13/25    |           | 08/19/25  | 08/13/25 |

### Hit Summary Sheet SW-846

**SDG No.:** Q2869

**Client:** JACOBS Engineering Group, Inc.

| Sample ID          | Client ID                    | Parameter | Concentration               | C           | MDL    | RDL  | Units |
|--------------------|------------------------------|-----------|-----------------------------|-------------|--------|------|-------|
| <b>Client ID :</b> | <b>MW-19B-71.5-081325</b>    |           |                             |             |        |      |       |
| Q2869-01           | MW-19B-71.5-081325           | WATER     | 1,4-Dioxane                 | 5.700       | E 0.07 | 0.22 | ug/L  |
|                    |                              |           | <b>Total Svoc :</b>         | <b>5.70</b> |        |      |       |
|                    |                              |           | <b>Total Concentration:</b> | <b>5.70</b> |        |      |       |
| <b>Client ID :</b> | <b>MW-19B-71.5-081325DL</b>  |           |                             |             |        |      |       |
| Q2869-01DL         | MW-19B-71.5-081325DI         | WATER     | 1,4-Dioxane                 | 5.700       | D 0.14 | 0.43 | ug/L  |
|                    |                              |           | <b>Total Svoc :</b>         | <b>5.70</b> |        |      |       |
|                    |                              |           | <b>Total Concentration:</b> | <b>5.70</b> |        |      |       |
| <b>Client ID :</b> | <b>MW-11A-13.5-081325</b>    |           |                             |             |        |      |       |
| Q2869-04           | MW-11A-13.5-081325           | WATER     | 1,4-Dioxane                 | 2.300       | 0.07   | 0.21 | ug/L  |
|                    |                              |           | <b>Total Svoc :</b>         | <b>2.30</b> |        |      |       |
|                    |                              |           | <b>Total Concentration:</b> | <b>2.30</b> |        |      |       |
| <b>Client ID :</b> | <b>MW-19B-71.5-081325-FD</b> |           |                             |             |        |      |       |
| Q2869-05           | MW-19B-71.5-081325-FI        | WATER     | 1,4-Dioxane                 | 5.000       | 0.07   | 0.21 | ug/L  |
|                    |                              |           | <b>Total Svoc :</b>         | <b>5.00</b> |        |      |       |
|                    |                              |           | <b>Total Concentration:</b> | <b>5.00</b> |        |      |       |



# SAMPLE DATA

A

B

C

D

E

F

G

H

I

J

K

## Report of Analysis

|                    |                                           |                 |                |
|--------------------|-------------------------------------------|-----------------|----------------|
| Client:            | JACOBS Engineering Group, Inc.            | Date Collected: | 08/13/25       |
| Project:           | Former Schlumberger STC PTC Site D3868221 | Date Received:  | 08/13/25       |
| Client Sample ID:  | MW-19B-71.5-081325                        | SDG No.:        | Q2869          |
| Lab Sample ID:     | Q2869-01                                  | Matrix:         | Water          |
| Analytical Method: | SW8270ESIM                                | % Solid:        | 0              |
| Sample Wt/Vol:     | 930 Units: mL                             | Final Vol:      | 1000 uL        |
| Soil Aliquot Vol:  | uL                                        | Test:           | SVOC-SIMGroup1 |
| Extraction Type :  | Decanted : N                              | Level :         | LOW            |
| Injection Volume : | GPC Factor : 1.0                          | GPC Cleanup :   | N PH :         |
| Prep Method :      |                                           |                 |                |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BN037608.D        | 1         | 08/18/25 08:41 | 08/19/25 15:29 | PB169286      |

| CAS Number                | Parameter               | Conc. | Qualifier | MDL                 | LOQ / CRQL | Units    |
|---------------------------|-------------------------|-------|-----------|---------------------|------------|----------|
| <b>TARGETS</b>            |                         |       |           |                     |            |          |
| 123-91-1                  | 1,4-Dioxane             | 5.70  | E         | 0.070               | 0.22       | ug/L     |
| <b>SURROGATES</b>         |                         |       |           |                     |            |          |
| 7297-45-2                 | 2-Methylnaphthalene-d10 | 0.31  |           | 30 (20) - 150 (139) | 77%        | SPK: 0.4 |
| 93951-69-0                | Fluoranthene-d10        | 0.38  |           | 30 (54) - 150 (157) | 94%        | SPK: 0.4 |
| 4165-60-0                 | Nitrobenzene-d5         | 0.36  |           | 30 (27) - 130 (154) | 89%        | SPK: 0.4 |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.37  |           | 30 (30) - 130 (155) | 92%        | SPK: 0.4 |
| 1718-51-0                 | Terphenyl-d14           | 0.48  |           | 30 (54) - 130 (175) | 120%       | SPK: 0.4 |
| <b>INTERNAL STANDARDS</b> |                         |       |           |                     |            |          |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 2200  | 7.717     |                     |            |          |
| 1146-65-2                 | Naphthalene-d8          | 5210  | 10.498    |                     |            |          |
| 15067-26-2                | Acenaphthene-d10        | 2610  | 14.345    |                     |            |          |
| 1517-22-2                 | Phenanthrene-d10        | 5270  | 17.086    |                     |            |          |
| 1719-03-5                 | Chrysene-d12            | 4640  | 21.268    |                     |            |          |
| 1520-96-3                 | Perylene-d12            | 4050  | 23.502    |                     |            |          |

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

## Report of Analysis

|                    |                                           |                 |                |
|--------------------|-------------------------------------------|-----------------|----------------|
| Client:            | JACOBS Engineering Group, Inc.            | Date Collected: | 08/13/25       |
| Project:           | Former Schlumberger STC PTC Site D3868221 | Date Received:  | 08/13/25       |
| Client Sample ID:  | MW-19B-71.5-081325DL                      | SDG No.:        | Q2869          |
| Lab Sample ID:     | Q2869-01DL                                | Matrix:         | Water          |
| Analytical Method: | SW8270ESIM                                | % Solid:        | 0              |
| Sample Wt/Vol:     | 930 Units: mL                             | Final Vol:      | 1000 uL        |
| Soil Aliquot Vol:  | uL                                        | Test:           | SVOC-SIMGroup1 |
| Extraction Type :  | Decanted : N                              | Level :         | LOW            |
| Injection Volume : | GPC Factor : 1.0                          | GPC Cleanup :   | N PH :         |
| Prep Method :      |                                           |                 |                |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BN037622.D        | 2         | 08/18/25 08:41 | 08/20/25 06:38 | PB169286      |

| CAS Number                | Parameter               | Conc. | Qualifier | MDL                 | LOQ / CRQL | Units    |
|---------------------------|-------------------------|-------|-----------|---------------------|------------|----------|
| <b>TARGETS</b>            |                         |       |           |                     |            |          |
| 123-91-1                  | 1,4-Dioxane             | 5.70  | D         | 0.14                | 0.43       | ug/L     |
| <b>SURROGATES</b>         |                         |       |           |                     |            |          |
| 7297-45-2                 | 2-Methylnaphthalene-d10 | 0.29  |           | 30 (20) - 150 (139) | 72%        | SPK: 0.4 |
| 93951-69-0                | Fluoranthene-d10        | 0.35  |           | 30 (54) - 150 (157) | 87%        | SPK: 0.4 |
| 4165-60-0                 | Nitrobenzene-d5         | 0.34  |           | 30 (27) - 130 (154) | 86%        | SPK: 0.4 |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.36  |           | 30 (30) - 130 (155) | 89%        | SPK: 0.4 |
| 1718-51-0                 | Terphenyl-d14           | 0.48  |           | 30 (54) - 130 (175) | 120%       | SPK: 0.4 |
| <b>INTERNAL STANDARDS</b> |                         |       |           |                     |            |          |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 2130  | 7.71      |                     |            |          |
| 1146-65-2                 | Naphthalene-d8          | 4900  | 10.498    |                     |            |          |
| 15067-26-2                | Acenaphthene-d10        | 2450  | 14.345    |                     |            |          |
| 1517-22-2                 | Phenanthrene-d10        | 5000  | 17.086    |                     |            |          |
| 1719-03-5                 | Chrysene-d12            | 4110  | 21.268    |                     |            |          |
| 1520-96-3                 | Perylene-d12            | 3880  | 23.502    |                     |            |          |

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\* = Values outside of QC limits

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() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

## Report of Analysis

|                    |                                           |                 |                |
|--------------------|-------------------------------------------|-----------------|----------------|
| Client:            | JACOBS Engineering Group, Inc.            | Date Collected: | 08/13/25       |
| Project:           | Former Schlumberger STC PTC Site D3868221 | Date Received:  | 08/13/25       |
| Client Sample ID:  | MW-01-6.5-081325                          | SDG No.:        | Q2869          |
| Lab Sample ID:     | Q2869-03                                  | Matrix:         | Water          |
| Analytical Method: | SW8270ESIM                                | % Solid:        | 0              |
| Sample Wt/Vol:     | 900 Units: mL                             | Final Vol:      | 1000 uL        |
| Soil Aliquot Vol:  | uL                                        | Test:           | SVOC-SIMGroup1 |
| Extraction Type :  | Decanted : N                              | Level :         | LOW            |
| Injection Volume : | GPC Factor : 1.0                          | GPC Cleanup :   | N PH :         |
| Prep Method :      |                                           |                 |                |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BN037609.D        | 1         | 08/18/25 08:41 | 08/19/25 16:05 | PB169286      |

| CAS Number                | Parameter               | Conc. | Qualifier | MDL                 | LOQ / CRQL | Units    |
|---------------------------|-------------------------|-------|-----------|---------------------|------------|----------|
| <b>TARGETS</b>            |                         |       |           |                     |            |          |
| 123-91-1                  | 1,4-Dioxane             | 0.070 | U         | 0.070               | 0.22       | ug/L     |
| <b>SURROGATES</b>         |                         |       |           |                     |            |          |
| 7297-45-2                 | 2-Methylnaphthalene-d10 | 0.23  |           | 30 (20) - 150 (139) | 58%        | SPK: 0.4 |
| 93951-69-0                | Fluoranthene-d10        | 0.34  |           | 30 (54) - 150 (157) | 84%        | SPK: 0.4 |
| 4165-60-0                 | Nitrobenzene-d5         | 0.27  |           | 30 (27) - 130 (154) | 67%        | SPK: 0.4 |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.32  |           | 30 (30) - 130 (155) | 79%        | SPK: 0.4 |
| 1718-51-0                 | Terphenyl-d14           | 0.45  |           | 30 (54) - 130 (175) | 112%       | SPK: 0.4 |
| <b>INTERNAL STANDARDS</b> |                         |       |           |                     |            |          |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 2150  | 7.717     |                     |            |          |
| 1146-65-2                 | Naphthalene-d8          | 5200  | 10.498    |                     |            |          |
| 15067-26-2                | Acenaphthene-d10        | 2530  | 14.345    |                     |            |          |
| 1517-22-2                 | Phenanthrene-d10        | 5350  | 17.086    |                     |            |          |
| 1719-03-5                 | Chrysene-d12            | 5200  | 21.268    |                     |            |          |
| 1520-96-3                 | Perylene-d12            | 4970  | 23.502    |                     |            |          |

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## Report of Analysis

|                    |                                           |                 |                |
|--------------------|-------------------------------------------|-----------------|----------------|
| Client:            | JACOBS Engineering Group, Inc.            | Date Collected: | 08/13/25       |
| Project:           | Former Schlumberger STC PTC Site D3868221 | Date Received:  | 08/13/25       |
| Client Sample ID:  | MW-11A-13.5-081325                        | SDG No.:        | Q2869          |
| Lab Sample ID:     | Q2869-04                                  | Matrix:         | Water          |
| Analytical Method: | SW8270ESIM                                | % Solid:        | 0              |
| Sample Wt/Vol:     | 960 Units: mL                             | Final Vol:      | 1000 uL        |
| Soil Aliquot Vol:  | uL                                        | Test:           | SVOC-SIMGroup1 |
| Extraction Type :  | Decanted : N                              | Level :         | LOW            |
| Injection Volume : | GPC Factor : 1.0                          | GPC Cleanup :   | N PH :         |
| Prep Method :      |                                           |                 |                |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BN037610.D        | 1         | 08/18/25 08:41 | 08/19/25 16:42 | PB169286      |

| CAS Number                | Parameter               | Conc. | Qualifier | MDL                 | LOQ / CRQL | Units    |
|---------------------------|-------------------------|-------|-----------|---------------------|------------|----------|
| <b>TARGETS</b>            |                         |       |           |                     |            |          |
| 123-91-1                  | 1,4-Dioxane             | 2.30  |           | 0.070               | 0.21       | ug/L     |
| <b>SURROGATES</b>         |                         |       |           |                     |            |          |
| 7297-45-2                 | 2-Methylnaphthalene-d10 | 0.29  |           | 30 (20) - 150 (139) | 72%        | SPK: 0.4 |
| 93951-69-0                | Fluoranthene-d10        | 0.37  |           | 30 (54) - 150 (157) | 93%        | SPK: 0.4 |
| 4165-60-0                 | Nitrobenzene-d5         | 0.33  |           | 30 (27) - 130 (154) | 81%        | SPK: 0.4 |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.41  |           | 30 (30) - 130 (155) | 101%       | SPK: 0.4 |
| 1718-51-0                 | Terphenyl-d14           | 0.50  |           | 30 (54) - 130 (175) | 125%       | SPK: 0.4 |
| <b>INTERNAL STANDARDS</b> |                         |       |           |                     |            |          |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 2500  | 7.717     |                     |            |          |
| 1146-65-2                 | Naphthalene-d8          | 6050  | 10.498    |                     |            |          |
| 15067-26-2                | Acenaphthene-d10        | 2960  | 14.345    |                     |            |          |
| 1517-22-2                 | Phenanthrene-d10        | 6180  | 17.087    |                     |            |          |
| 1719-03-5                 | Chrysene-d12            | 5540  | 21.268    |                     |            |          |
| 1520-96-3                 | Perylene-d12            | 5230  | 23.499    |                     |            |          |

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() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

## Report of Analysis

|                    |                                           |                 |                |
|--------------------|-------------------------------------------|-----------------|----------------|
| Client:            | JACOBS Engineering Group, Inc.            | Date Collected: | 08/13/25       |
| Project:           | Former Schlumberger STC PTC Site D3868221 | Date Received:  | 08/13/25       |
| Client Sample ID:  | MW-19B-71.5-081325-FD                     | SDG No.:        | Q2869          |
| Lab Sample ID:     | Q2869-05                                  | Matrix:         | Water          |
| Analytical Method: | SW8270ESIM                                | % Solid:        | 0              |
| Sample Wt/Vol:     | 960 Units: mL                             | Final Vol:      | 1000 uL        |
| Soil Aliquot Vol:  | uL                                        | Test:           | SVOC-SIMGroup1 |
| Extraction Type :  | Decanted : N                              | Level :         | LOW            |
| Injection Volume : | GPC Factor : 1.0                          | GPC Cleanup :   | N PH :         |
| Prep Method :      |                                           |                 |                |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BN037611.D        | 1         | 08/18/25 08:41 | 08/19/25 17:18 | PB169286      |

| CAS Number                | Parameter               | Conc. | Qualifier | MDL                 | LOQ / CRQL | Units    |
|---------------------------|-------------------------|-------|-----------|---------------------|------------|----------|
| <b>TARGETS</b>            |                         |       |           |                     |            |          |
| 123-91-1                  | 1,4-Dioxane             | 5.00  |           | 0.070               | 0.21       | ug/L     |
| <b>SURROGATES</b>         |                         |       |           |                     |            |          |
| 7297-45-2                 | 2-Methylnaphthalene-d10 | 0.27  |           | 30 (20) - 150 (139) | 68%        | SPK: 0.4 |
| 93951-69-0                | Fluoranthene-d10        | 0.36  |           | 30 (54) - 150 (157) | 89%        | SPK: 0.4 |
| 4165-60-0                 | Nitrobenzene-d5         | 0.31  |           | 30 (27) - 130 (154) | 77%        | SPK: 0.4 |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.36  |           | 30 (30) - 130 (155) | 91%        | SPK: 0.4 |
| 1718-51-0                 | Terphenyl-d14           | 0.48  |           | 30 (54) - 130 (175) | 119%       | SPK: 0.4 |
| <b>INTERNAL STANDARDS</b> |                         |       |           |                     |            |          |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 2370  | 7.717     |                     |            |          |
| 1146-65-2                 | Naphthalene-d8          | 5770  | 10.498    |                     |            |          |
| 15067-26-2                | Acenaphthene-d10        | 2950  | 14.345    |                     |            |          |
| 1517-22-2                 | Phenanthrene-d10        | 6120  | 17.086    |                     |            |          |
| 1719-03-5                 | Chrysene-d12            | 5270  | 21.268    |                     |            |          |
| 1520-96-3                 | Perylene-d12            | 4710  | 23.502    |                     |            |          |

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() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

## Report of Analysis

|                    |                                           |                 |                |
|--------------------|-------------------------------------------|-----------------|----------------|
| Client:            | JACOBS Engineering Group, Inc.            | Date Collected: | 08/13/25       |
| Project:           | Former Schlumberger STC PTC Site D3868221 | Date Received:  | 08/13/25       |
| Client Sample ID:  | EB01-081325                               | SDG No.:        | Q2869          |
| Lab Sample ID:     | Q2869-07                                  | Matrix:         | Water          |
| Analytical Method: | SW8270ESIM                                | % Solid:        | 0              |
| Sample Wt/Vol:     | 940 Units: mL                             | Final Vol:      | 1000 uL        |
| Soil Aliquot Vol:  | uL                                        | Test:           | SVOC-SIMGroup1 |
| Extraction Type :  | Decanted : N                              | Level :         | LOW            |
| Injection Volume : | GPC Factor : 1.0                          | GPC Cleanup :   | N PH :         |
| Prep Method :      |                                           |                 |                |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BN037612.D        | 1         | 08/18/25 08:41 | 08/19/25 17:54 | PB169286      |

| CAS Number                | Parameter               | Conc. | Qualifier | MDL                 | LOQ / CRQL | Units    |
|---------------------------|-------------------------|-------|-----------|---------------------|------------|----------|
| <b>TARGETS</b>            |                         |       |           |                     |            |          |
| 123-91-1                  | 1,4-Dioxane             | 0.070 | U         | 0.070               | 0.21       | ug/L     |
| <b>SURROGATES</b>         |                         |       |           |                     |            |          |
| 7297-45-2                 | 2-Methylnaphthalene-d10 | 0.30  |           | 30 (20) - 150 (139) | 76%        | SPK: 0.4 |
| 93951-69-0                | Fluoranthene-d10        | 0.39  |           | 30 (54) - 150 (157) | 97%        | SPK: 0.4 |
| 4165-60-0                 | Nitrobenzene-d5         | 0.36  |           | 30 (27) - 130 (154) | 89%        | SPK: 0.4 |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.39  |           | 30 (30) - 130 (155) | 97%        | SPK: 0.4 |
| 1718-51-0                 | Terphenyl-d14           | 0.49  |           | 30 (54) - 130 (175) | 123%       | SPK: 0.4 |
| <b>INTERNAL STANDARDS</b> |                         |       |           |                     |            |          |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 2240  | 7.717     |                     |            |          |
| 1146-65-2                 | Naphthalene-d8          | 5420  | 10.498    |                     |            |          |
| 15067-26-2                | Acenaphthene-d10        | 2770  | 14.345    |                     |            |          |
| 1517-22-2                 | Phenanthrene-d10        | 5600  | 17.086    |                     |            |          |
| 1719-03-5                 | Chrysene-d12            | 4810  | 21.268    |                     |            |          |
| 1520-96-3                 | Perylene-d12            | 4480  | 23.502    |                     |            |          |

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\* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

## Report of Analysis

|                    |                                           |                 |                |
|--------------------|-------------------------------------------|-----------------|----------------|
| Client:            | JACOBS Engineering Group, Inc.            | Date Collected: | 08/13/25       |
| Project:           | Former Schlumberger STC PTC Site D3868221 | Date Received:  | 08/13/25       |
| Client Sample ID:  | EB02-081325                               | SDG No.:        | Q2869          |
| Lab Sample ID:     | Q2869-10                                  | Matrix:         | Water          |
| Analytical Method: | SW8270ESIM                                | % Solid:        | 0              |
| Sample Wt/Vol:     | 1000 Units: mL                            | Final Vol:      | 1000 uL        |
| Soil Aliquot Vol:  | uL                                        | Test:           | SVOC-SIMGroup1 |
| Extraction Type :  | Decanted : N                              | Level :         | LOW            |
| Injection Volume : | GPC Factor : 1.0                          | GPC Cleanup :   | N PH :         |
| Prep Method :      |                                           |                 |                |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BN037613.D        | 1         | 08/18/25 08:41 | 08/19/25 18:30 | PB169286      |

| CAS Number                | Parameter               | Conc. | Qualifier | MDL                 | LOQ / CRQL | Units    |
|---------------------------|-------------------------|-------|-----------|---------------------|------------|----------|
| <b>TARGETS</b>            |                         |       |           |                     |            |          |
| 123-91-1                  | 1,4-Dioxane             | 0.070 | U         | 0.070               | 0.20       | ug/L     |
| <b>SURROGATES</b>         |                         |       |           |                     |            |          |
| 7297-45-2                 | 2-Methylnaphthalene-d10 | 0.24  |           | 30 (20) - 150 (139) | 61%        | SPK: 0.4 |
| 93951-69-0                | Fluoranthene-d10        | 0.34  |           | 30 (54) - 150 (157) | 86%        | SPK: 0.4 |
| 4165-60-0                 | Nitrobenzene-d5         | 0.27  |           | 30 (27) - 130 (154) | 67%        | SPK: 0.4 |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.28  |           | 30 (30) - 130 (155) | 69%        | SPK: 0.4 |
| 1718-51-0                 | Terphenyl-d14           | 0.44  |           | 30 (54) - 130 (175) | 109%       | SPK: 0.4 |
| <b>INTERNAL STANDARDS</b> |                         |       |           |                     |            |          |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 2370  | 7.717     |                     |            |          |
| 1146-65-2                 | Naphthalene-d8          | 5790  | 10.498    |                     |            |          |
| 15067-26-2                | Acenaphthene-d10        | 2830  | 14.345    |                     |            |          |
| 1517-22-2                 | Phenanthrene-d10        | 5680  | 17.086    |                     |            |          |
| 1719-03-5                 | Chrysene-d12            | 4480  | 21.268    |                     |            |          |
| 1520-96-3                 | Perylene-d12            | 4030  | 23.499    |                     |            |          |

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products



# QC SUMMARY

# Surrogate Summary

SW-846

SDG No.: Q2869

Client: JACOBS Engineering Group, Inc.

Analytical Method: 8270-Modified

| Lab Sample ID | Client ID               | Parameter               | Spike (PPM) | Result (PPM) | Recovery (%) | Qual | Limits (%) |           |
|---------------|-------------------------|-------------------------|-------------|--------------|--------------|------|------------|-----------|
|               |                         |                         |             |              |              |      | Low        | High      |
| PB169286BL    | PB169286BL              | 2-Methylnaphthalene-d10 | 0.4         | 0.32         | 81           |      | 30 (20)    | 150 (139) |
|               |                         | Fluoranthene-d10        | 0.4         | 0.33         | 83           |      | 30 (54)    | 150 (157) |
|               |                         | Nitrobenzene-d5         | 0.4         | 0.36         | 90           |      | 30 (27)    | 130 (154) |
|               |                         | 2-Fluorobiphenyl        | 0.4         | 0.35         | 86           |      | 30 (30)    | 130 (155) |
|               |                         | Terphenyl-d14           | 0.4         | 0.37         | 93           |      | 30 (54)    | 130 (175) |
| PB169286BS    | PB169286BS              | 2-Methylnaphthalene-d10 | 0.4         | 0.33         | 82           |      | 30 (20)    | 150 (139) |
|               |                         | Fluoranthene-d10        | 0.4         | 0.31         | 76           |      | 30 (54)    | 150 (157) |
|               |                         | Nitrobenzene-d5         | 0.4         | 0.35         | 87           |      | 30 (27)    | 130 (154) |
|               |                         | 2-Fluorobiphenyl        | 0.4         | 0.36         | 90           |      | 30 (30)    | 130 (155) |
|               |                         | Terphenyl-d14           | 0.4         | 0.35         | 88           |      | 30 (54)    | 130 (175) |
| Q2842-04MS    | MW-17B-55.5-08122025MS  | 2-Methylnaphthalene-d10 | 0.4         | 0.31         | 77           |      | 30 (20)    | 150 (139) |
|               |                         | Fluoranthene-d10        | 0.4         | 0.38         | 94           |      | 30 (54)    | 150 (157) |
|               |                         | Nitrobenzene-d5         | 0.4         | 0.33         | 83           |      | 30 (27)    | 130 (154) |
|               |                         | 2-Fluorobiphenyl        | 0.4         | 0.32         | 81           |      | 30 (30)    | 130 (155) |
|               |                         | Terphenyl-d14           | 0.4         | 0.47         | 117          |      | 30 (54)    | 130 (175) |
| Q2842-05MSD   | MW-17B-55.5-08122025MSD | 2-Methylnaphthalene-d10 | 0.4         | 0.30         | 76           |      | 30 (20)    | 150 (139) |
|               |                         | Fluoranthene-d10        | 0.4         | 0.37         | 93           |      | 30 (54)    | 150 (157) |
|               |                         | Nitrobenzene-d5         | 0.4         | 0.32         | 79           |      | 30 (27)    | 130 (154) |
|               |                         | 2-Fluorobiphenyl        | 0.4         | 0.32         | 81           |      | 30 (30)    | 130 (155) |
|               |                         | Terphenyl-d14           | 0.4         | 0.47         | 117          |      | 30 (54)    | 130 (175) |
| Q2869-01      | MW-19B-71.5-081325      | 2-Methylnaphthalene-d10 | 0.4         | 0.31         | 77           |      | 30 (20)    | 150 (139) |
|               |                         | Fluoranthene-d10        | 0.4         | 0.38         | 94           |      | 30 (54)    | 150 (157) |
|               |                         | Nitrobenzene-d5         | 0.4         | 0.36         | 89           |      | 30 (27)    | 130 (154) |
|               |                         | 2-Fluorobiphenyl        | 0.4         | 0.37         | 92           |      | 30 (30)    | 130 (155) |
|               |                         | Terphenyl-d14           | 0.4         | 0.48         | 120          |      | 30 (54)    | 130 (175) |
| Q2869-01DL    | MW-19B-71.5-081325DL    | 2-Methylnaphthalene-d10 | 0.4         | 0.29         | 72           |      | 30 (20)    | 150 (139) |
|               |                         | Fluoranthene-d10        | 0.4         | 0.35         | 87           |      | 30 (54)    | 150 (157) |
|               |                         | Nitrobenzene-d5         | 0.4         | 0.34         | 86           |      | 30 (27)    | 130 (154) |
|               |                         | 2-Fluorobiphenyl        | 0.4         | 0.36         | 89           |      | 30 (30)    | 130 (155) |
|               |                         | Terphenyl-d14           | 0.4         | 0.48         | 120          |      | 30 (54)    | 130 (175) |
| Q2869-03      | MW-01-6.5-081325        | 2-Methylnaphthalene-d10 | 0.4         | 0.23         | 58           |      | 30 (20)    | 150 (139) |
|               |                         | Fluoranthene-d10        | 0.4         | 0.34         | 84           |      | 30 (54)    | 150 (157) |
|               |                         | Nitrobenzene-d5         | 0.4         | 0.27         | 67           |      | 30 (27)    | 130 (154) |
|               |                         | 2-Fluorobiphenyl        | 0.4         | 0.32         | 79           |      | 30 (30)    | 130 (155) |
|               |                         | Terphenyl-d14           | 0.4         | 0.45         | 112          |      | 30 (54)    | 130 (175) |
| Q2869-04      | MW-11A-13.5-081325      | 2-Methylnaphthalene-d10 | 0.4         | 0.29         | 72           |      | 30 (20)    | 150 (139) |
|               |                         | Fluoranthene-d10        | 0.4         | 0.37         | 93           |      | 30 (54)    | 150 (157) |
|               |                         | Nitrobenzene-d5         | 0.4         | 0.33         | 81           |      | 30 (27)    | 130 (154) |
|               |                         | 2-Fluorobiphenyl        | 0.4         | 0.41         | 101          |      | 30 (30)    | 130 (155) |
|               |                         | Terphenyl-d14           | 0.4         | 0.50         | 125          |      | 30 (54)    | 130 (175) |
| Q2869-05      | MW-19B-71.5-081325-FD   | 2-Methylnaphthalene-d10 | 0.4         | 0.27         | 68           |      | 30 (20)    | 150 (139) |
|               |                         | Fluoranthene-d10        | 0.4         | 0.36         | 89           |      | 30 (54)    | 150 (157) |
|               |                         | Nitrobenzene-d5         | 0.4         | 0.31         | 77           |      | 30 (27)    | 130 (154) |
|               |                         | 2-Fluorobiphenyl        | 0.4         | 0.36         | 91           |      | 30 (30)    | 130 (155) |
|               |                         | Terphenyl-d14           | 0.4         | 0.48         | 119          |      | 30 (54)    | 130 (175) |
| Q2869-07      | EB01-081325             | 2-Methylnaphthalene-d10 | 0.4         | 0.30         | 76           |      | 30 (20)    | 150 (139) |
|               |                         | Fluoranthene-d10        | 0.4         | 0.39         | 97           |      | 30 (54)    | 150 (157) |
|               |                         | Nitrobenzene-d5         | 0.4         | 0.36         | 89           |      | 30 (27)    | 130 (154) |
|               |                         | 2-Fluorobiphenyl        | 0.4         | 0.39         | 97           |      | 30 (30)    | 130 (155) |
|               |                         | Terphenyl-d14           | 0.4         | 0.49         | 123          |      | 30 (54)    | 130 (175) |
| Q2869-10      | EB02-081325             | 2-Methylnaphthalene-d10 | 0.4         | 0.24         | 61           |      | 30 (20)    | 150 (139) |

() = LABORATORY INHOUSE LIMIT

## Surrogate Summary

SW-846

SDG No.: Q2869

Client: JACOBS Engineering Group, Inc.

Analytical Method: 8270-Modified

| Lab Sample ID | Client ID   | Parameter        | Spike (PPM) | Result (PPM) | Recovery (%) | Qual | Limits (%) |           |
|---------------|-------------|------------------|-------------|--------------|--------------|------|------------|-----------|
|               |             |                  |             |              |              |      | Low        | High      |
| Q2869-10      | EB02-081325 | Fluoranthene-d10 | 0.4         | 0.34         | 86           |      | 30 (54)    | 150 (157) |
|               |             | Nitrobenzene-d5  | 0.4         | 0.27         | 67           |      | 30 (27)    | 130 (154) |
|               |             | 2-Fluorobiphenyl | 0.4         | 0.28         | 69           |      | 30 (30)    | 130 (155) |
|               |             | Terphenyl-d14    | 0.4         | 0.44         | 109          |      | 30 (54)    | 130 (175) |

Matrix Spike/Matrix Spike Duplicate Summary  
SW-846

|          |                                |                    |                 |
|----------|--------------------------------|--------------------|-----------------|
| SDG No.: | Q2869                          | Analytical Method: | SW8270-Modified |
| Client:  | JACOBS Engineering Group, Inc. | DataFile:          | BN037605.D      |

| Parameter      | Spike      | Sample Result     | Result                 | Units | Rec | Rec Qual | RPD | RPD Qual | Low     | Limits High | RPD |
|----------------|------------|-------------------|------------------------|-------|-----|----------|-----|----------|---------|-------------|-----|
| Lab Sample ID: | Q2842-04MS | Client Sample ID: | MW-17B-55.5-08122025MS |       |     |          |     |          |         |             |     |
| 1,4-Dioxane    | 0.43       | 2.90              | 3.00                   | ug/L  | 23  |          |     |          | 20 (10) | 160 (175)   |     |

( ) = LABORATORY INHOUSE LIMIT



Matrix Spike/Matrix Spike Duplicate Summary  
SW-846

|          |                                |                    |                 |
|----------|--------------------------------|--------------------|-----------------|
| SDG No.: | Q2869                          | Analytical Method: | SW8270-Modified |
| Client:  | JACOBS Engineering Group, Inc. | DataFile:          | BN037606.D      |

| Parameter      | Spike       | Sample Result     | Result                  | Units | Rec | Rec Qual | RPD | RPD Qual | Low     | Limits High | RPD     |
|----------------|-------------|-------------------|-------------------------|-------|-----|----------|-----|----------|---------|-------------|---------|
| Lab Sample ID: | Q2842-05MSD | Client Sample ID: | MW-17B-55.5-08122025MSD |       |     |          |     |          |         |             |         |
| 1,4-Dioxane    | 0.42        | 2.90              | 3.00                    | ug/L  | 24  |          | 4   |          | 20 (10) | 160 (175)   | 20 (20) |

( ) = LABORATORY INHOUSE LIMIT

## Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2869

Analytical Method: 8270-Modified

Client: JACOBS Engineering Group, Inc.

DataFile: BN037630.D

| Lab Sample ID | Parameter   | Spike | Result | Unit | Rec | RPD | Qual | RPD  |         | Limits    |  | RPD |
|---------------|-------------|-------|--------|------|-----|-----|------|------|---------|-----------|--|-----|
|               |             |       |        |      |     |     |      | Qual | Low     | High      |  |     |
| PB169286BS    | 1,4-Dioxane | 0.4   | 0.30   | ug/L | 75  |     |      |      | 20 (65) | 160 (116) |  |     |

() = LABORATORY INHOUSE LIMIT

4B

SEMIVOLATILE METHOD BLANK SUMMARY

Client ID

PB169286BL

|                                   |                                   |
|-----------------------------------|-----------------------------------|
| Lab Name: <u>Alliance</u>         | Contract: <u>JAC005</u>           |
| Lab Code: <u>ACE</u>              | SDG NO.: <u>Q2869</u>             |
| Lab File ID: <u>BN037619.D</u>    | Lab Sample ID: <u>PB169286BL</u>  |
| Instrument ID: <u>BNA_N</u>       | Date Extracted: <u>08/18/2025</u> |
| Matrix: (soil/water) <u>Water</u> | Date Analyzed: <u>08/20/2025</u>  |
| Level: (low/med) <u>LOW</u>       | Time Analyzed: <u>04:50</u>       |

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

| EPA<br>SAMPLE NO.       | LAB<br>SAMPLE ID | LAB<br>FILE ID | DATE<br>ANALYZED |
|-------------------------|------------------|----------------|------------------|
| PB169286BS              | PB169286BS       | BN037630.D     | 08/20/2025       |
| MW-17B-55.5-08122025MS  | Q2842-04MS       | BN037605.D     | 08/19/2025       |
| MW-17B-55.5-08122025MSD | Q2842-05MSD      | BN037606.D     | 08/19/2025       |
| MW-19B-71.5-081325      | Q2869-01         | BN037608.D     | 08/19/2025       |
| MW-01-6.5-081325        | Q2869-03         | BN037609.D     | 08/19/2025       |
| MW-11A-13.5-081325      | Q2869-04         | BN037610.D     | 08/19/2025       |
| MW-19B-71.5-081325-FD   | Q2869-05         | BN037611.D     | 08/19/2025       |
| EB01-081325             | Q2869-07         | BN037612.D     | 08/19/2025       |
| EB02-081325             | Q2869-10         | BN037613.D     | 08/19/2025       |

COMMENTS: \_\_\_\_\_

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance  
Lab Code: ACE  
Lab File ID: BN037576.D  
Instrument ID: BNA\_N

Contract: JAC005  
SDG NO.: Q2869  
DFTPP Injection Date: 08/12/2025  
DFTPP Injection Time: 15:05

| m/e | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 68  | Less than 2.0% of mass 69          | 0.0 ( 0.0 ) 1        |
| 69  | Mass 69 relative abundance         | 39.9                 |
| 70  | Less than 2.0% of mass 69          | 0.2 ( 0.6 ) 1        |
| 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            | 7.1                  |
| 365 | Greater than 1% of mass 198        | 3.9                  |
| 441 | Present, but less than mass 443    | 14.2                 |
| 442 | Greater than 50% of mass 198       | 84.5                 |
| 443 | 15.0 - 24.0% of mass 442           | 16.2 ( 19.2 ) 2      |

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

| EPA<br>SAMPLE NO. | LAB<br>SAMPLE ID | LAB<br>FILE ID | DATE<br>ANALYZED | TIME<br>ANALYZED |
|-------------------|------------------|----------------|------------------|------------------|
| SSTDICC0.1        | SSTDICC0.1       | BN037578.D     | 08/12/2025       | 16:26            |
| SSTDICC0.2        | SSTDICC0.2       | BN037579.D     | 08/12/2025       | 17:03            |
| SSTDICCC0.4       | SSTDICCC0.4      | BN037580.D     | 08/12/2025       | 17:39            |
| SSTDICC0.8        | SSTDICC0.8       | BN037581.D     | 08/12/2025       | 18:16            |
| SSTDICC1.6        | SSTDICC1.6       | BN037582.D     | 08/12/2025       | 18:52            |
| SSTDICC3.2        | SSTDICC3.2       | BN037583.D     | 08/12/2025       | 19:29            |
| SSTDICC5.0        | SSTDICC5.0       | BN037584.D     | 08/12/2025       | 20:05            |

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance  
Lab Code: ACE  
Lab File ID: BN037599.D  
Instrument ID: BNA\_N

Contract: JAC005  
SDG NO.: Q2869  
DFTPP Injection Date: 08/19/2025  
DFTPP Injection Time: 10:00

| m/e | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 68  | Less than 2.0% of mass 69          | 0.0 ( 0.0 ) 1        |
| 69  | Mass 69 relative abundance         | 35.9                 |
| 70  | Less than 2.0% of mass 69          | 0.2 ( 0.5 ) 1        |
| 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                  |
| 365 | Greater than 1% of mass 198        | 4                    |
| 441 | Present, but less than mass 443    | 14.4                 |
| 442 | Greater than 50% of mass 198       | 97.7                 |
| 443 | 15.0 - 24.0% of mass 442           | 17.9 ( 18.3 ) 2      |

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

| EPA<br>SAMPLE NO.       | LAB<br>SAMPLE ID | LAB<br>FILE ID | DATE<br>ANALYZED | TIME<br>ANALYZED |
|-------------------------|------------------|----------------|------------------|------------------|
| SSTDCCC0.4              | SSTDCCC0.4       | BN037600.D     | 08/19/2025       | 10:39            |
| MW-17B-55.5-08122025MS  | Q2842-04MS       | BN037605.D     | 08/19/2025       | 13:40            |
| MW-17B-55.5-08122025MSD | Q2842-05MSD      | BN037606.D     | 08/19/2025       | 14:17            |
| MW-19B-71.5-081325      | Q2869-01         | BN037608.D     | 08/19/2025       | 15:29            |
| MW-01-6.5-081325        | Q2869-03         | BN037609.D     | 08/19/2025       | 16:05            |
| MW-11A-13.5-081325      | Q2869-04         | BN037610.D     | 08/19/2025       | 16:42            |
| MW-19B-71.5-081325-FD   | Q2869-05         | BN037611.D     | 08/19/2025       | 17:18            |
| EB01-081325             | Q2869-07         | BN037612.D     | 08/19/2025       | 17:54            |
| EB02-081325             | Q2869-10         | BN037613.D     | 08/19/2025       | 18:30            |

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance  
Lab Code: ACE  
Lab File ID: BN037617.D  
Instrument ID: BNA\_N

Contract: JAC005  
SDG NO.: Q2869  
DFTPP Injection Date: 08/20/2025  
DFTPP Injection Time: 03:35

| m/e | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 68  | Less than 2.0% of mass 69          | 0.4 ( 0.9 ) 1        |
| 69  | Mass 69 relative abundance         | 39.2                 |
| 70  | Less than 2.0% of mass 69          | 0.2 ( 0.6 ) 1        |
| 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            | 6.8                  |
| 365 | Greater than 1% of mass 198        | 3.6                  |
| 441 | Present, but less than mass 443    | 11.8                 |
| 442 | Greater than 50% of mass 198       | 78.3                 |
| 443 | 15.0 - 24.0% of mass 442           | 14.9 ( 19 ) 2        |

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

| EPA<br>SAMPLE NO.    | LAB<br>SAMPLE ID | LAB<br>FILE ID | DATE<br>ANALYZED | TIME<br>ANALYZED |
|----------------------|------------------|----------------|------------------|------------------|
| SSTDCCC0.4           | SSTDCCC0.4       | BN037618.D     | 08/20/2025       | 04:14            |
| PB169286BL           | PB169286BL       | BN037619.D     | 08/20/2025       | 04:50            |
| MW-19B-71.5-081325DL | Q2869-01DL       | BN037622.D     | 08/20/2025       | 06:38            |
| PB169286BS           | PB169286BS       | BN037630.D     | 08/20/2025       | 11:25            |

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q2869

Client ID : SSTDCCC0.4

Date Analyzed: 08/19/2025

Lab File ID: BN037600.D

Time Analyzed: 10:39

Instrument ID: BNA\_N

GC Column: ZB-GR ID: 0.25 (mm)

|                            | IS1 (DCB)<br>AREA # | RT #  | IS2 (NPT)<br>AREA # | RT #   | IS3 (ANT)<br>AREA # | RT #   |
|----------------------------|---------------------|-------|---------------------|--------|---------------------|--------|
| 12 HOUR STD                | 2628                | 7.717 | 6457                | 10.50  | 3216                | 14.34  |
| UPPER LIMIT                | 5256                | 8.217 | 12914               | 10.998 | 6432                | 14.844 |
| LOWER LIMIT                | 1314                | 7.217 | 3228.5              | 9.998  | 1608                | 13.844 |
| EPA SAMPLE NO.             |                     |       |                     |        |                     |        |
| 01 EB02-081325             | 2371                | 7.72  | 5789                | 10.50  | 2832                | 14.35  |
| 02 MW-17B-55.5-08122025MS  | 2023                | 7.72  | 4765                | 10.50  | 2380                | 14.35  |
| 03 MW-17B-55.5-08122025MSD | 2022                | 7.72  | 4839                | 10.50  | 2406                | 14.34  |
| 04 MW-19B-71.5-081325      | 2200                | 7.72  | 5205                | 10.50  | 2609                | 14.35  |
| 05 MW-01-6.5-081325        | 2151                | 7.72  | 5200                | 10.50  | 2532                | 14.35  |
| 06 MW-11A-13.5-081325      | 2495                | 7.72  | 6050                | 10.50  | 2961                | 14.35  |
| 07 MW-19B-71.5-081325-FD   | 2373                | 7.72  | 5766                | 10.50  | 2949                | 14.35  |
| 08 EB01-081325             | 2243                | 7.72  | 5421                | 10.50  | 2768                | 14.35  |

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

# Column used to flag values outside QC limits with an asterisk.

\* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q2869

Client ID: SSTDCCC0.4

Date Analyzed: 08/19/2025

Lab File ID: BN037600.D

Time Analyzed: 10:39

Instrument ID: BNA\_N

GC Column: ZB-GR ID: 0.25 (mm)

|                            | IS4 (PHN)<br>AREA # | RT #   | IS5 (CRY)<br>AREA # | RT #   | IS6 (PRY)<br>AREA # | RT #   |
|----------------------------|---------------------|--------|---------------------|--------|---------------------|--------|
| 12 HOUR STD                | 6293                | 17.086 | 5356                | 21.267 | 5379                | 23.504 |
| UPPER LIMIT                | 12586               | 17.586 | 10712               | 21.767 | 10758               | 24.004 |
| LOWER LIMIT                | 3146.5              | 16.586 | 2678                | 20.767 | 2689.5              | 23.004 |
| EPA SAMPLE NO.             |                     |        |                     |        |                     |        |
| 01 EB02-081325             | 5676                | 17.09  | 4482                | 21.27  | 4034                | 23.50  |
| 02 MW-17B-55.5-08122025MS  | 4922                | 17.09  | 4507                | 21.27  | 3909                | 23.51  |
| 03 MW-17B-55.5-08122025MSD | 5009                | 17.09  | 4561                | 21.27  | 3935                | 23.50  |
| 04 MW-19B-71.5-081325      | 5274                | 17.09  | 4636                | 21.27  | 4050                | 23.50  |
| 05 MW-01-6.5-081325        | 5354                | 17.09  | 5202                | 21.27  | 4969                | 23.50  |
| 06 MW-11A-13.5-081325      | 6177                | 17.09  | 5539                | 21.27  | 5233                | 23.50  |
| 07 MW-19B-71.5-081325-FD   | 6117                | 17.09  | 5268                | 21.27  | 4705                | 23.50  |
| 08 EB01-081325             | 5604                | 17.09  | 4806                | 21.27  | 4479                | 23.50  |

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

# Column used to flag values outside QC limits with an asterisk.

\* Values outside of QC limits.



8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q2869

Client ID : SSTDCCC0.4

Date Analyzed: 08/20/2025

Lab File ID: BN037618.D

Time Analyzed: 04:14

Instrument ID: BNA\_N

GC Column: ZB-GR ID: 0.25 (mm)

|                         | IS1 (DCB)<br>AREA # | RT # | IS2 (NPT)<br>AREA # | RT #   | IS3 (ANT)<br>AREA # | RT #   |
|-------------------------|---------------------|------|---------------------|--------|---------------------|--------|
| 12 HOUR STD             | 2622                | 7.71 | 6166                | 10.50  | 3094                | 14.35  |
| UPPER LIMIT             | 5244                | 8.21 | 12332               | 10.998 | 6188                | 14.845 |
| LOWER LIMIT             | 1311                | 7.21 | 3083                | 9.998  | 1547                | 13.845 |
| EPA SAMPLE NO.          |                     |      |                     |        |                     |        |
| 01 PB169286BL           | 2323                | 7.71 | 5229                | 10.50  | 2344                | 14.35  |
| 02 PB169286BS           | 2389                | 7.71 | 5616                | 10.49  | 2629                | 14.35  |
| 03 MW-19B-71.5-081325DL | 2126                | 7.71 | 4898                | 10.50  | 2452                | 14.35  |

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

# Column used to flag values outside QC limits with an asterisk.

\* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q2869

Client ID: SSTDCCC0.4

Date Analyzed: 08/20/2025

Lab File ID: BN037618.D

Time Analyzed: 04:14

Instrument ID: BNA\_N

GC Column: ZB-GR ID: 0.25 (mm)

|                         | IS4 (PHN)<br>AREA # | RT #   | IS5 (CRY)<br>AREA # | RT #   | IS6 (PRY)<br>AREA # | RT #   |
|-------------------------|---------------------|--------|---------------------|--------|---------------------|--------|
| 12 HOUR STD             | 6113                | 17.086 | 5494                | 21.268 | 5322                | 23.499 |
| UPPER LIMIT             | 12226               | 17.586 | 10988               | 21.768 | 10644               | 23.999 |
| LOWER LIMIT             | 3056.5              | 16.586 | 2747                | 20.768 | 2661                | 22.999 |
| EPA SAMPLE NO.          |                     |        |                     |        |                     |        |
| 01 PB169286BL           | 4466                | 17.09  | 3733                | 21.27  | 3552                | 23.50  |
| 02 PB169286BS           | 5040                | 17.09  | 4175                | 21.27  | 3780                | 23.50  |
| 03 MW-19B-71.5-081325DL | 4999                | 17.09  | 4107                | 21.27  | 3877                | 23.50  |

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

# Column used to flag values outside QC limits with an asterisk.

\* Values outside of QC limits.



# QC SAMPLE DATA

A

B

C

D

E

F

G

H

I

J

K

## Report of Analysis

|                    |                                           |                 |                |
|--------------------|-------------------------------------------|-----------------|----------------|
| Client:            | JACOBS Engineering Group, Inc.            | Date Collected: |                |
| Project:           | Former Schlumberger STC PTC Site D3868221 | Date Received:  |                |
| Client Sample ID:  | PB169286BL                                | SDG No.:        | Q2869          |
| Lab Sample ID:     | PB169286BL                                | Matrix:         | Water          |
| Analytical Method: | SW8270ESIM                                | % Solid:        | 0              |
| Sample Wt/Vol:     | 1000 Units: mL                            | Final Vol:      | 1000 uL        |
| Soil Aliquot Vol:  | uL                                        | Test:           | SVOC-SIMGroup1 |
| Extraction Type :  | Decanted : N                              | Level :         | LOW            |
| Injection Volume : | GPC Factor : 1.0                          | GPC Cleanup :   | N PH :         |
| Prep Method :      |                                           |                 |                |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BN037619.D        | 1         | 08/18/25 08:41 | 08/20/25 04:50 | PB169286      |

| CAS Number                | Parameter               | Conc. | Qualifier | MDL                 | LOQ / CRQL | Units    |
|---------------------------|-------------------------|-------|-----------|---------------------|------------|----------|
| <b>TARGETS</b>            |                         |       |           |                     |            |          |
| 123-91-1                  | 1,4-Dioxane             | 0.070 | U         | 0.070               | 0.20       | ug/L     |
| <b>SURROGATES</b>         |                         |       |           |                     |            |          |
| 7297-45-2                 | 2-Methylnaphthalene-d10 | 0.32  |           | 30 (20) - 150 (139) | 81%        | SPK: 0.4 |
| 93951-69-0                | Fluoranthene-d10        | 0.33  |           | 30 (54) - 150 (157) | 83%        | SPK: 0.4 |
| 4165-60-0                 | Nitrobenzene-d5         | 0.36  |           | 30 (27) - 130 (154) | 90%        | SPK: 0.4 |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.35  |           | 30 (30) - 130 (155) | 86%        | SPK: 0.4 |
| 1718-51-0                 | Terphenyl-d14           | 0.37  |           | 30 (54) - 130 (175) | 93%        | SPK: 0.4 |
| <b>INTERNAL STANDARDS</b> |                         |       |           |                     |            |          |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 2320  | 7.71      |                     |            |          |
| 1146-65-2                 | Naphthalene-d8          | 5230  | 10.498    |                     |            |          |
| 15067-26-2                | Acenaphthene-d10        | 2340  | 14.345    |                     |            |          |
| 1517-22-2                 | Phenanthrene-d10        | 4470  | 17.087    |                     |            |          |
| 1719-03-5                 | Chrysene-d12            | 3730  | 21.268    |                     |            |          |
| 1520-96-3                 | Perylene-d12            | 3550  | 23.499    |                     |            |          |

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

## Report of Analysis

|                    |                                           |                 |                |
|--------------------|-------------------------------------------|-----------------|----------------|
| Client:            | JACOBS Engineering Group, Inc.            | Date Collected: |                |
| Project:           | Former Schlumberger STC PTC Site D3868221 | Date Received:  |                |
| Client Sample ID:  | PB169286BS                                | SDG No.:        | Q2869          |
| Lab Sample ID:     | PB169286BS                                | Matrix:         | Water          |
| Analytical Method: | SW8270ESIM                                | % Solid:        | 0              |
| Sample Wt/Vol:     | 1000 Units: mL                            | Final Vol:      | 1000 uL        |
| Soil Aliquot Vol:  | uL                                        | Test:           | SVOC-SIMGroup1 |
| Extraction Type :  | Decanted : N                              | Level :         | LOW            |
| Injection Volume : | GPC Factor : 1.0                          | GPC Cleanup :   | N PH :         |
| Prep Method :      |                                           |                 |                |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BN037630.D        | 1         | 08/18/25 08:41 | 08/20/25 11:25 | PB169286      |

| CAS Number                | Parameter               | Conc. | Qualifier | MDL                 | LOQ / CRQL | Units    |
|---------------------------|-------------------------|-------|-----------|---------------------|------------|----------|
| <b>TARGETS</b>            |                         |       |           |                     |            |          |
| 123-91-1                  | 1,4-Dioxane             | 0.30  |           | 0.070               | 0.20       | ug/L     |
| <b>SURROGATES</b>         |                         |       |           |                     |            |          |
| 7297-45-2                 | 2-Methylnaphthalene-d10 | 0.33  |           | 30 (20) - 150 (139) | 82%        | SPK: 0.4 |
| 93951-69-0                | Fluoranthene-d10        | 0.31  |           | 30 (54) - 150 (157) | 76%        | SPK: 0.4 |
| 4165-60-0                 | Nitrobenzene-d5         | 0.35  |           | 30 (27) - 130 (154) | 87%        | SPK: 0.4 |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.36  |           | 30 (30) - 130 (155) | 90%        | SPK: 0.4 |
| 1718-51-0                 | Terphenyl-d14           | 0.35  |           | 30 (54) - 130 (175) | 88%        | SPK: 0.4 |
| <b>INTERNAL STANDARDS</b> |                         |       |           |                     |            |          |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 2390  | 7.71      |                     |            |          |
| 1146-65-2                 | Naphthalene-d8          | 5620  | 10.487    |                     |            |          |
| 15067-26-2                | Acenaphthene-d10        | 2630  | 14.345    |                     |            |          |
| 1517-22-2                 | Phenanthrene-d10        | 5040  | 17.086    |                     |            |          |
| 1719-03-5                 | Chrysene-d12            | 4180  | 21.268    |                     |            |          |
| 1520-96-3                 | Perylene-d12            | 3780  | 23.502    |                     |            |          |

U = Not Detected

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MDL = Method Detection Limit

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M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

## Report of Analysis

|                    |                                           |                 |                |
|--------------------|-------------------------------------------|-----------------|----------------|
| Client:            | JACOBS Engineering Group, Inc.            | Date Collected: | 08/12/25       |
| Project:           | Former Schlumberger STC PTC Site D3868221 | Date Received:  | 08/12/25       |
| Client Sample ID:  | MW-17B-55.5-08122025MS                    | SDG No.:        | Q2869          |
| Lab Sample ID:     | Q2842-04MS                                | Matrix:         | Water          |
| Analytical Method: | SW8270ESIM                                | % Solid:        | 0              |
| Sample Wt/Vol:     | 940 Units: mL                             | Final Vol:      | 1000 uL        |
| Soil Aliquot Vol:  | uL                                        | Test:           | SVOC-SIMGroup1 |
| Extraction Type :  | Decanted : N                              | Level :         | LOW            |
| Injection Volume : | GPC Factor : 1.0                          | GPC Cleanup :   | N PH :         |
| Prep Method :      |                                           |                 |                |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BN037605.D        | 1         | 08/18/25 08:41 | 08/19/25 13:40 | PB169286      |

| CAS Number                | Parameter               | Conc. | Qualifier | MDL                 | LOQ / CRQL | Units    |
|---------------------------|-------------------------|-------|-----------|---------------------|------------|----------|
| <b>TARGETS</b>            |                         |       |           |                     |            |          |
| 123-91-1                  | 1,4-Dioxane             | 3.00  |           | 0.070               | 0.21       | ug/L     |
| <b>SURROGATES</b>         |                         |       |           |                     |            |          |
| 7297-45-2                 | 2-Methylnaphthalene-d10 | 0.31  |           | 30 (20) - 150 (139) | 77%        | SPK: 0.4 |
| 93951-69-0                | Fluoranthene-d10        | 0.38  |           | 30 (54) - 150 (157) | 94%        | SPK: 0.4 |
| 4165-60-0                 | Nitrobenzene-d5         | 0.33  |           | 30 (27) - 130 (154) | 83%        | SPK: 0.4 |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.32  |           | 30 (30) - 130 (155) | 81%        | SPK: 0.4 |
| 1718-51-0                 | Terphenyl-d14           | 0.47  |           | 30 (54) - 130 (175) | 117%       | SPK: 0.4 |
| <b>INTERNAL STANDARDS</b> |                         |       |           |                     |            |          |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 2020  | 7.717     |                     |            |          |
| 1146-65-2                 | Naphthalene-d8          | 4770  | 10.498    |                     |            |          |
| 15067-26-2                | Acenaphthene-d10        | 2380  | 14.345    |                     |            |          |
| 1517-22-2                 | Phenanthrene-d10        | 4920  | 17.087    |                     |            |          |
| 1719-03-5                 | Chrysene-d12            | 4510  | 21.268    |                     |            |          |
| 1520-96-3                 | Perylene-d12            | 3910  | 23.505    |                     |            |          |

U = Not Detected

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J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

## Report of Analysis

|                    |                                           |                 |                |
|--------------------|-------------------------------------------|-----------------|----------------|
| Client:            | JACOBS Engineering Group, Inc.            | Date Collected: | 08/12/25       |
| Project:           | Former Schlumberger STC PTC Site D3868221 | Date Received:  | 08/12/25       |
| Client Sample ID:  | MW-17B-55.5-08122025MSD                   | SDG No.:        | Q2869          |
| Lab Sample ID:     | Q2842-05MSD                               | Matrix:         | Water          |
| Analytical Method: | SW8270ESIM                                | % Solid:        | 0              |
| Sample Wt/Vol:     | 960 Units: mL                             | Final Vol:      | 1000 uL        |
| Soil Aliquot Vol:  | uL                                        | Test:           | SVOC-SIMGroup1 |
| Extraction Type :  | Decanted : N                              | Level :         | LOW            |
| Injection Volume : | GPC Factor : 1.0                          | GPC Cleanup :   | N PH :         |
| Prep Method :      |                                           |                 |                |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BN037606.D        | 1         | 08/18/25 08:41 | 08/19/25 14:17 | PB169286      |

| CAS Number                | Parameter               | Conc. | Qualifier | MDL                 | LOQ / CRQL | Units    |
|---------------------------|-------------------------|-------|-----------|---------------------|------------|----------|
| <b>TARGETS</b>            |                         |       |           |                     |            |          |
| 123-91-1                  | 1,4-Dioxane             | 3.00  |           | 0.070               | 0.21       | ug/L     |
| <b>SURROGATES</b>         |                         |       |           |                     |            |          |
| 7297-45-2                 | 2-Methylnaphthalene-d10 | 0.30  |           | 30 (20) - 150 (139) | 76%        | SPK: 0.4 |
| 93951-69-0                | Fluoranthene-d10        | 0.37  |           | 30 (54) - 150 (157) | 93%        | SPK: 0.4 |
| 4165-60-0                 | Nitrobenzene-d5         | 0.32  |           | 30 (27) - 130 (154) | 79%        | SPK: 0.4 |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.32  |           | 30 (30) - 130 (155) | 81%        | SPK: 0.4 |
| 1718-51-0                 | Terphenyl-d14           | 0.47  |           | 30 (54) - 130 (175) | 117%       | SPK: 0.4 |
| <b>INTERNAL STANDARDS</b> |                         |       |           |                     |            |          |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 2020  | 7.717     |                     |            |          |
| 1146-65-2                 | Naphthalene-d8          | 4840  | 10.498    |                     |            |          |
| 15067-26-2                | Acenaphthene-d10        | 2410  | 14.344    |                     |            |          |
| 1517-22-2                 | Phenanthrene-d10        | 5010  | 17.086    |                     |            |          |
| 1719-03-5                 | Chrysene-d12            | 4560  | 21.267    |                     |            |          |
| 1520-96-3                 | Perylene-d12            | 3940  | 23.504    |                     |            |          |

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M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products



# CALIBRATION SUMMARY



Method Path : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\  
 Method File : 8270-SIM-BN081225.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 Last Update : Wed Aug 13 05:00:58 2025  
 Response Via : Initial Calibration

## Calibration Files

0.1 =BN037578.D 0.2 =BN037579.D 0.4 =BN037580.D 0.8 =BN037581.D 1.6 =BN037582.D 3.2 =BN037583.D 5 =BN037584.D

|           | Compound              | 0.1            | 0.2   | 0.4   | 0.8   | 1.6   | 3.2   | 5     | Avg   | %RSD  |
|-----------|-----------------------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|
| -----     |                       |                |       |       |       |       |       |       |       |       |
| 1) I      | 1,4-Dichlorobenzen... | -----ISTD----- |       |       |       |       |       |       |       |       |
| 2)        | 1,4-Dioxane           | 0.413          | 0.395 | 0.368 | 0.397 | 0.375 | 0.348 | 0.383 |       | 6.08  |
| 3)        | n-Nitrosodimet...     | 0.471          | 0.488 | 0.471 | 0.493 | 0.503 | 0.508 | 0.489 |       | 3.19  |
| 4) S      | 2-Fluorophenol        | 0.922          | 0.945 | 0.888 | 0.823 | 0.886 | 0.906 | 0.977 | 0.907 | 5.41  |
| 5) S      | Phenol-d6             | 1.045          | 1.051 | 1.044 | 0.983 | 1.198 | 1.117 | 1.201 | 1.091 | 7.66  |
| 6)        | bis(2-Chloroet...     | 0.935          | 0.987 | 0.976 | 0.936 | 1.020 | 1.008 | 1.022 | 0.983 | 3.75  |
|           |                       |                |       |       |       |       |       |       |       |       |
| 7) I      | Naphthalene-d8        | -----ISTD----- |       |       |       |       |       |       |       |       |
| 8) S      | Nitrobenzene-d5       | 0.270          | 0.257 | 0.262 | 0.264 | 0.292 | 0.301 | 0.326 | 0.282 | 9.03  |
| 9)        | Naphthalene           | 1.044          | 1.050 | 1.037 | 1.012 | 1.089 | 1.096 | 1.127 | 1.065 | 3.78  |
| 10)       | Hexachlorobuta...     | 0.252          | 0.258 | 0.262 | 0.253 | 0.267 | 0.264 | 0.265 | 0.260 | 2.22  |
| 11) SURR2 | Methylnaphth...       | 0.488          | 0.492 | 0.508 | 0.493 | 0.543 | 0.578 | 0.705 | 0.544 | 14.39 |
| 12)       | 2-Methylnaphth...     | 0.589          | 0.631 | 0.635 | 0.629 | 0.701 | 0.731 | 0.760 | 0.668 | 9.39  |
|           |                       |                |       |       |       |       |       |       |       |       |
| 13) I     | Acenaphthene-d10      | -----ISTD----- |       |       |       |       |       |       |       |       |
| 14) S     | 2,4,6-Tribromo...     | 0.139          | 0.149 | 0.156 | 0.160 | 0.185 | 0.203 | 0.234 | 0.175 | 19.39 |
| 15) S     | 2-Fluorobiphenyl      | 2.226          | 2.243 | 2.300 | 2.251 | 2.341 | 2.391 | 2.440 | 2.313 | 3.50  |
| 16)       | Acenaphthylene        | 1.740          | 1.760 | 1.710 | 1.653 | 1.850 | 1.858 | 1.980 | 1.793 | 6.15  |
| 17)       | Acenaphthene          | 1.144          | 1.150 | 1.172 | 1.154 | 1.283 | 1.286 | 1.348 | 1.220 | 6.86  |
| 18)       | Fluorene              | 1.466          | 1.510 | 1.524 | 1.521 | 1.686 | 1.693 | 1.770 | 1.596 | 7.38  |
|           |                       |                |       |       |       |       |       |       |       |       |
| 19) I     | Phenanthrene-d10      | -----ISTD----- |       |       |       |       |       |       |       |       |
| 20)       | 4,6-Dinitro-2-...     | 0.042          | 0.046 | 0.047 | 0.061 | 0.070 |       | 0.053 |       | 22.37 |
| 21)       | 4-Bromophenyl-...     | 0.226          | 0.236 | 0.234 | 0.237 | 0.265 | 0.271 | 0.292 | 0.251 | 9.77  |
| 22)       | Hexachlorobenzene     | 0.360          | 0.360 | 0.356 | 0.332 | 0.364 | 0.354 | 0.370 | 0.356 | 3.37  |
| 23)       | Atrazine              | 0.127          | 0.126 | 0.130 | 0.134 | 0.160 | 0.176 |       | 0.142 | 14.76 |
| 24)       | Pentachlorophenol     |                | 0.108 | 0.113 | 0.113 | 0.139 | 0.152 |       | 0.125 | 15.36 |
| 25)       | Phenanthrene          | 1.146          | 1.162 | 1.170 | 1.138 | 1.281 | 1.269 | 1.347 | 1.216 | 6.72  |
| 26)       | Anthracene            | 0.950          | 0.985 | 0.995 | 0.988 | 1.145 | 1.186 | 1.286 | 1.077 | 11.93 |
| 27) SURR  | Fluoranthene-d10      | 0.932          | 0.966 | 0.954 | 0.935 | 1.050 | 1.110 | 1.419 | 1.052 | 16.61 |
| 28)       | Fluoranthene          | 1.241          | 1.264 | 1.299 | 1.291 | 1.503 | 1.533 | 1.648 | 1.397 | 11.53 |
|           |                       |                |       |       |       |       |       |       |       |       |
| 29) I     | Chrysene-d12          | -----ISTD----- |       |       |       |       |       |       |       |       |
| 30)       | Pyrene                | 1.539          | 1.486 | 1.464 | 1.403 | 1.502 | 1.520 | 1.552 | 1.495 | 3.38  |
| 31) S     | Terphenyl-d14         | 0.814          | 0.801 | 0.796 | 0.763 | 0.833 | 0.853 | 0.901 | 0.823 | 5.45  |
| 32)       | Benzo(a)anthra...     | 1.266          | 1.275 | 1.263 | 1.253 | 1.351 | 1.458 | 1.487 | 1.336 | 7.40  |
| 33)       | Chrysene              | 1.547          | 1.515 | 1.433 | 1.379 | 1.511 | 1.489 | 1.551 | 1.489 | 4.21  |
| 34)       | Bis(2-ethylhex...     |                | 0.518 | 0.522 | 0.483 | 0.522 | 0.593 | 0.671 | 0.551 | 12.47 |
|           |                       |                |       |       |       |       |       |       |       |       |
| 35) I     | Perylene-d12          | -----ISTD----- |       |       |       |       |       |       |       |       |

Method Path : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\

Method File : 8270-SIM-BN081225.M

|       |                   |       |       |       |       |       |       |       |       |       |
|-------|-------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 36)   | Indeno(1,2,3-c... | 1.446 | 1.462 | 1.612 | 1.568 | 1.816 | 1.883 | 2.011 | 1.686 | 13.01 |
| 37)   | Benzo(b)fluora... | 1.351 | 1.375 | 1.338 | 1.432 | 1.615 | 1.674 | 1.825 | 1.516 | 12.52 |
| 38)   | Benzo(k)fluora... | 1.597 | 1.580 | 1.651 | 1.628 | 1.821 | 1.797 | 1.898 | 1.710 | 7.36  |
| 39) C | Benzo(a)pyrene    | 1.146 | 1.136 | 1.149 | 1.157 | 1.322 | 1.382 | 1.508 | 1.257 | 11.77 |
| 40)   | Dibenzo(a,h)an... | 1.023 | 1.118 | 1.222 | 1.215 | 1.439 | 1.516 | 1.621 | 1.308 | 16.85 |
| 41)   | Benzo(g,h,i)pe... | 1.207 | 1.274 | 1.262 | 1.261 | 1.467 | 1.532 | 1.643 | 1.378 | 12.17 |

-----  
(#) = Out of Range

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: JAC005  
 Lab Code: ACE SDG No.: Q2869  
 Instrument ID: BNA\_N Calibration Date/Time: 08/19/2025 10:39  
 Lab File ID: BN037600.D Init. Calib. Date(s): 08/12/2025 08/12/2025  
 EPA Sample No.: SSTDCCC0.4 Init. Calib. Time(s): 16:26 20:05  
 GC Column: ZB-GR ID: 0.25 (mm)

| COMPOUND                | RRF   | RRF0.4 | MIN<br>RRF | %D   | MAX%D |
|-------------------------|-------|--------|------------|------|-------|
| 2-Methylnaphthalene-d10 | 0.544 | 0.498  |            | -8.5 | 20.0  |
| Fluoranthene-d10        | 1.052 | 0.957  |            | -9.0 | 20.0  |
| 2-Fluorophenol          | 0.907 | 0.907  |            | 0.0  | 20.0  |
| Phenol-d6               | 1.091 | 1.078  |            | -1.2 | 20.0  |
| Nitrobenzene-d5         | 0.282 | 0.275  |            | -2.5 | 20.0  |
| 2-Fluorobiphenyl        | 2.313 | 2.186  |            | -5.5 | 20.0  |
| 2,4,6-Tribromophenol    | 0.175 | 0.169  |            | -3.4 | 20.0  |
| Terphenyl-d14           | 0.823 | 0.796  |            | -3.3 | 20.0  |
| 1,4-Dioxane             | 0.383 | 0.406  |            | 6.0  | 20.0  |

All other compounds must meet a minimum RRF of 0.010.

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: JAC005  
 Lab Code: ACE SDG No.: Q2869  
 Instrument ID: BNA\_N Calibration Date/Time: 08/20/2025 04:14  
 Lab File ID: BN037618.D Init. Calib. Date(s): 08/12/2025 08/12/2025  
 EPA Sample No.: SSTDCCC0.4 Init. Calib. Time(s): 16:26 20:05  
 GC Column: ZB-GR ID: 0.25 (mm)

| COMPOUND                | RRF   | RRF0.4 | MIN<br>RRF | %D   | MAX%D |
|-------------------------|-------|--------|------------|------|-------|
| 2-Methylnaphthalene-d10 | 0.544 | 0.498  |            | -8.5 | 20.0  |
| Fluoranthene-d10        | 1.052 | 0.951  |            | -9.6 | 20.0  |
| 2-Fluorophenol          | 0.907 | 0.875  |            | -3.5 | 20.0  |
| Phenol-d6               | 1.091 | 1.045  |            | -4.2 | 20.0  |
| Nitrobenzene-d5         | 0.282 | 0.281  |            | -0.4 | 20.0  |
| 2-Fluorobiphenyl        | 2.313 | 2.246  |            | -2.9 | 20.0  |
| 2,4,6-Tribromophenol    | 0.175 | 0.175  |            | 0.0  | 20.0  |
| Terphenyl-d14           | 0.823 | 0.793  |            | -3.6 | 20.0  |
| 1,4-Dioxane             | 0.383 | 0.380  |            | -0.8 | 20.0  |

All other compounds must meet a minimum RRF of 0.010.



# SAMPLE RAW DATA

A

B

C

D

E

F

G

H

I

J

K

6

A

B

C

D

E

F

G

H

I

J

K

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN081925\  
 Data File : BN037608.D  
 Acq On : 19 Aug 2025 15:29  
 Operator : RC/JU  
 Sample : Q2869-01  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 MW-19B-71.5-081325

### Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/20/2025  
 Supervised By :Jagrut Upadhyay 08/20/2025

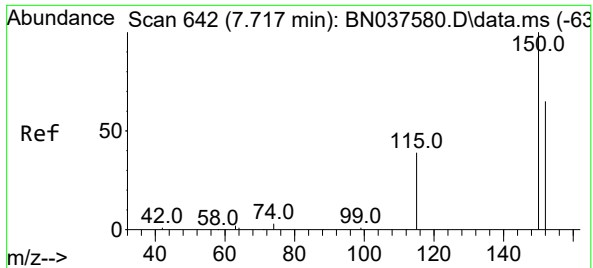
Quant Time: Aug 20 01:26:54 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN081225.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Aug 13 05:00:58 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.717  | 152  | 2200     | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.498 | 136  | 5205     | 0.400 | ng    | 0.00     |
| 13) Acenaphthene-d10          | 14.345 | 164  | 2609     | 0.400 | ng    | 0.00     |
| 19) Phenanthrene-d10          | 17.086 | 188  | 5274     | 0.400 | ng    | 0.00     |
| 29) Chrysene-d12              | 21.268 | 240  | 4636     | 0.400 | ng    | # 0.00   |
| 35) Perylene-d12              | 23.502 | 264  | 4050     | 0.400 | ng    | 0.00     |
|                               |        |      |          |       |       |          |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.305  | 112  | 826      | 0.166 | ng    | 0.00     |
| 5) Phenol-d6                  | 6.879  | 99   | 576      | 0.096 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 8.854  | 82   | 1306     | 0.356 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10   | 12.090 | 152  | 2188     | 0.309 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 15.833 | 330  | 421      | 0.369 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 12.973 | 172  | 5552     | 0.368 | ng    | 0.00     |
| 27) Fluoranthene-d10          | 19.118 | 212  | 5219     | 0.376 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.717 | 244  | 4571     | 0.479 | ng    | 0.00     |
|                               |        |      |          |       |       |          |
| Target Compounds              |        |      |          |       |       |          |
| 2) 1,4-Dioxane                | 3.232  | 88   | 11100    | 5.274 | ng    | # 95     |
| 9) Naphthalene                | 10.541 | 128  | 1436     | 0.104 | ng    | # 91     |
| 12) 2-Methylnaphthalene       | 12.161 | 142  | 233      | 0.027 | ng    | # 88     |
| 17) Acenaphthene              | 14.409 | 154  | 611      | 0.077 | ng    | 98       |
| 18) Fluorene                  | 15.392 | 166  | 597      | 0.057 | ng    | 98       |
| 25) Phenanthrene              | 17.124 | 178  | 8597     | 0.536 | ng    | 100      |
| 28) Fluoranthene              | 19.146 | 202  | 7523     | 0.408 | ng    | 99       |
| 30) Pyrene                    | 19.508 | 202  | 5017     | 0.289 | ng    | # 94     |
| 32) Benzo(a)anthracene        | 21.250 | 228  | 535      | 0.035 | ng    | # 85     |
| 33) Chrysene                  | 21.304 | 228  | 813m     | 0.047 | ng    |          |
| 34) Bis(2-ethylhexyl)phtha... | 21.196 | 149  | 466      | 0.073 | ng    | # 91     |
| -----                         |        |      |          |       |       |          |

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

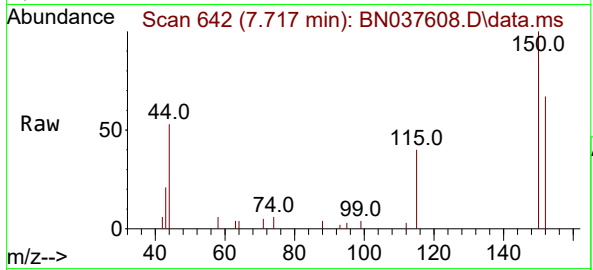
**Instrument :**  
BNA\_N  
**ClientSampleId :**  
MW-19B-71.5-081325

Reviewed By :Rahul Chavli 08/20/2025  
Supervised By :Jagrut Upadhyay 08/20/2025



#1  
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.717 min Scan# 64  
Delta R.T. 0.000 min  
Lab File: BN037608.D  
Acq: 19 Aug 2025 15:29

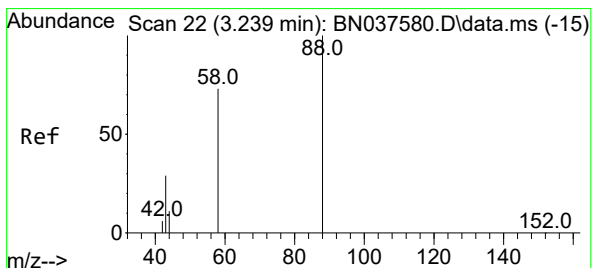
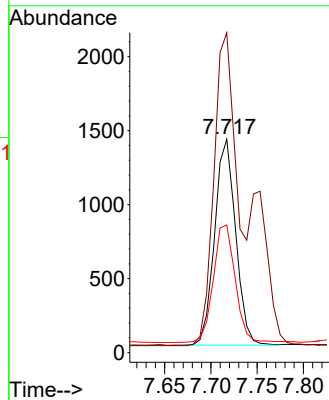
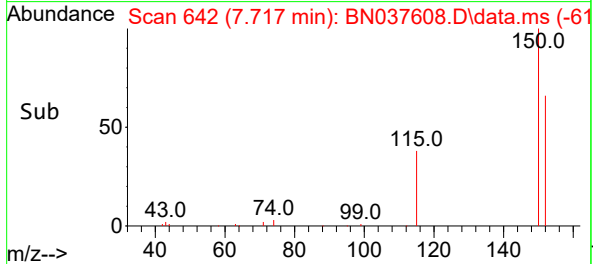
Instrument :  
BNA\_N  
ClientSampleId :  
MW-19B-71.5-081325



Tgt Ion: 152 Resp: 2200  
Ion Ratio Lower Upper  
152 100  
150 149.9 122.2 183.4  
115 59.8 49.8 74.6

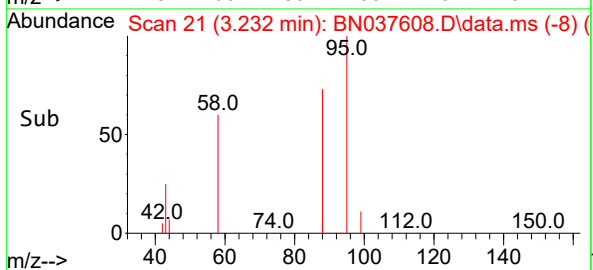
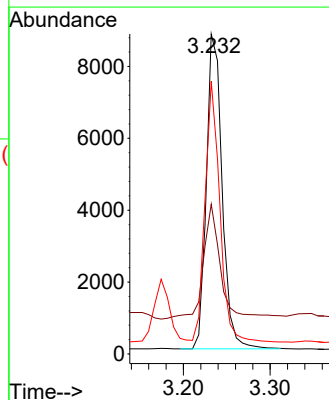
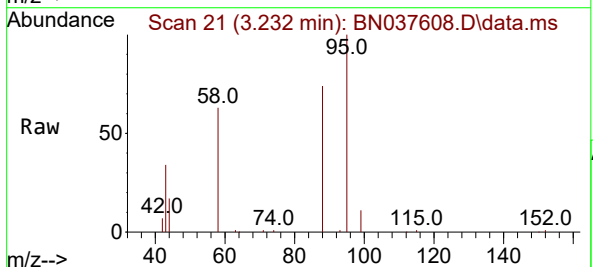
Manual Integrations  
APPROVED

Reviewed By :Rahul Chavli 08/20/2025  
Supervised By :Jagrut Upadhyay 08/20/2025

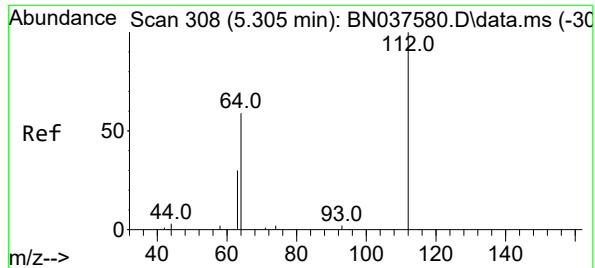


#2  
1,4-Dioxane  
Concen: 5.274 ng  
RT: 3.232 min Scan# 21  
Delta R.T. -0.007 min  
Lab File: BN037608.D  
Acq: 19 Aug 2025 15:29

Tgt Ion: 88 Resp: 11100  
Ion Ratio Lower Upper  
88 100  
43 40.0 25.8 38.6#  
58 77.1 61.2 91.8







#4

2-Fluorophenol

Concen: 0.166 ng

RT: 5.305 min Scan# 308

Delta R.T. 0.000 min

Lab File: BN037608.D

Acq: 19 Aug 2025 15:29

Instrument :

BNA\_N

ClientSampleId :

MW-19B-71.5-081325

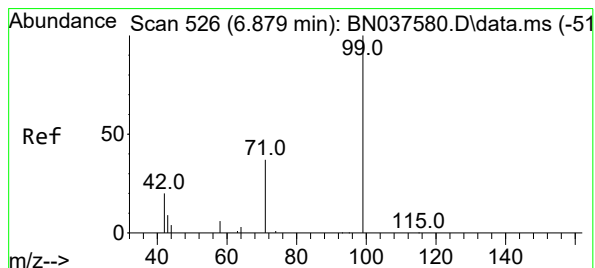
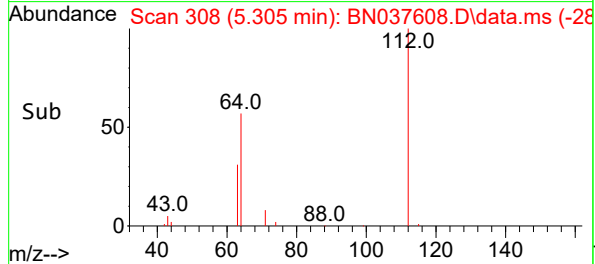
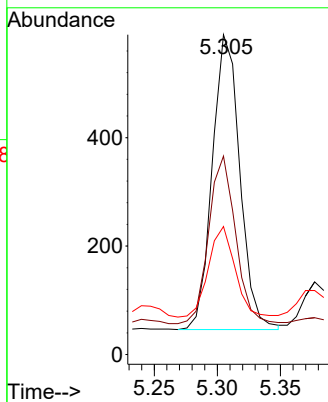
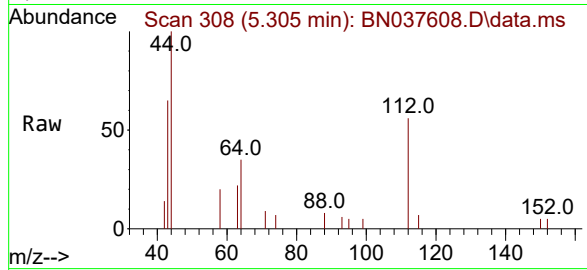
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 112   | Resp: | 820  |
| Ion Ratio | Lower | Upper |      |
| 112       | 100   |       |      |
| 64        | 55.4  | 44.9  | 67.3 |
| 63        | 29.8  | 23.4  | 35.2 |

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/20/2025

Supervised By :Jagrut Upadhyay 08/20/2025



#5

Phenol-d6

Concen: 0.096 ng

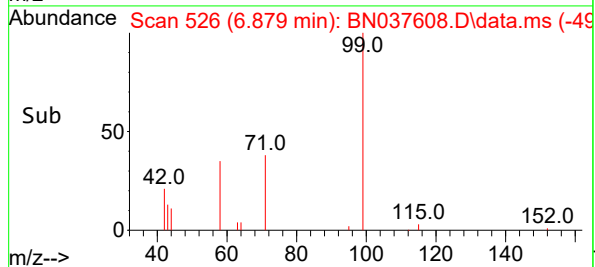
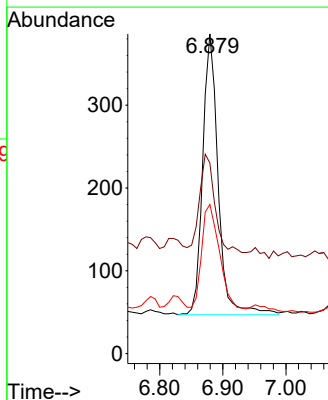
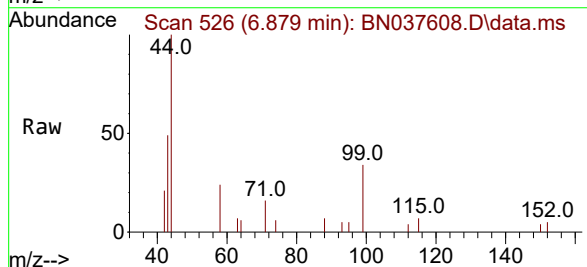
RT: 6.879 min Scan# 526

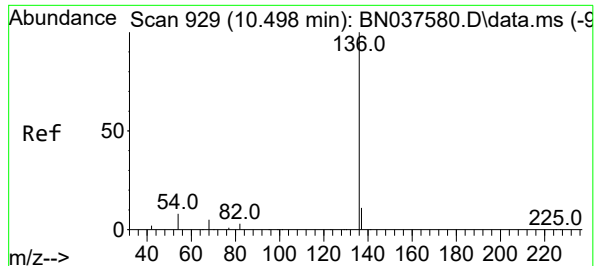
Delta R.T. 0.000 min

Lab File: BN037608.D

Acq: 19 Aug 2025 15:29

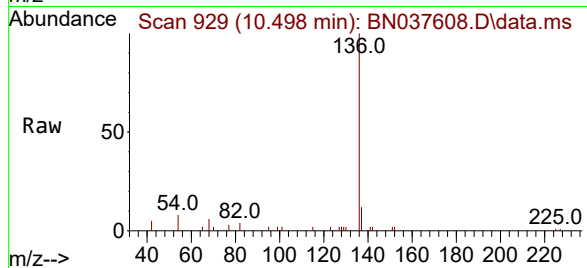
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 99    | Resp: | 576   |
| Ion Ratio | Lower | Upper |       |
| 99        | 100   |       |       |
| 42        | 34.5  | 18.5  | 27.7# |
| 71        | 43.4  | 28.6  | 42.8# |





#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.498 min Scan# 929  
Delta R.T. 0.000 min  
Lab File: BN037608.D  
Acq: 19 Aug 2025 15:29

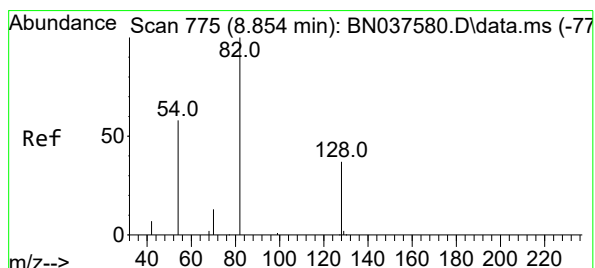
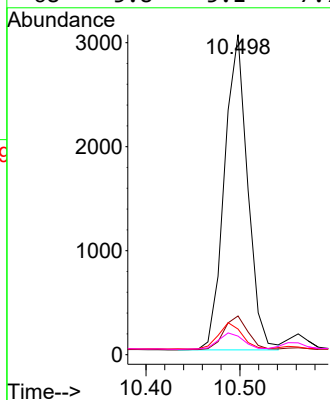
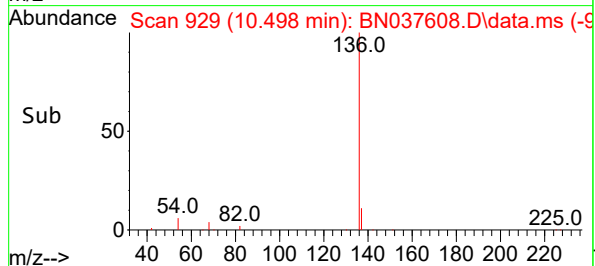
Instrument :  
BNA\_N  
ClientSampleId :  
MW-19B-71.5-081325



Tgt Ion:136 Resp: 520  
Ion Ratio Lower Upper  
136 100  
137 12.1 9.5 14.3  
54 8.0 7.3 10.9  
68 5.8 5.1 7.7

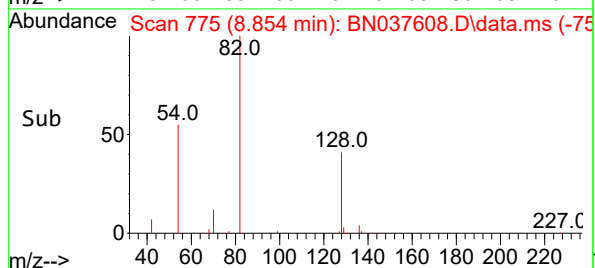
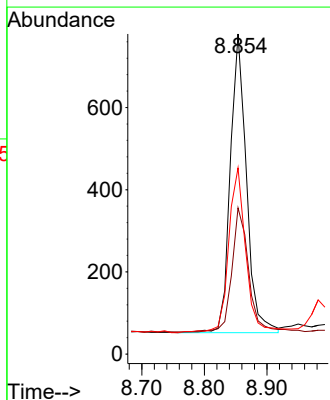
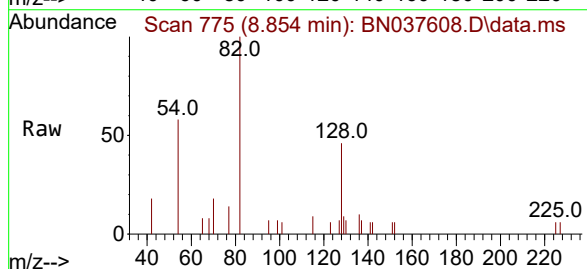
Manual Integrations  
APPROVED

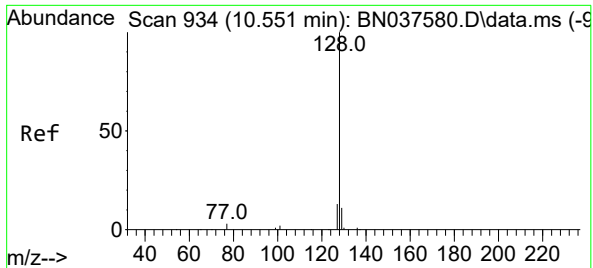
Reviewed By :Rahul Chavli 08/20/2025  
Supervised By :Jagrut Upadhyay 08/20/2025



#8  
Nitrobenzene-d5  
Concen: 0.356 ng  
RT: 8.854 min Scan# 775  
Delta R.T. 0.000 min  
Lab File: BN037608.D  
Acq: 19 Aug 2025 15:29

Tgt Ion: 82 Resp: 1306  
Ion Ratio Lower Upper  
82 100  
128 45.7 32.6 48.8  
54 58.2 48.9 73.3





#9  
Naphthalene

Concen: 0.104 ng

RT: 10.541 min Scan# 91

Delta R.T. -0.011 min

Lab File: BN037608.D

Acq: 19 Aug 2025 15:29

Instrument :

BNA\_N

ClientSampleId :

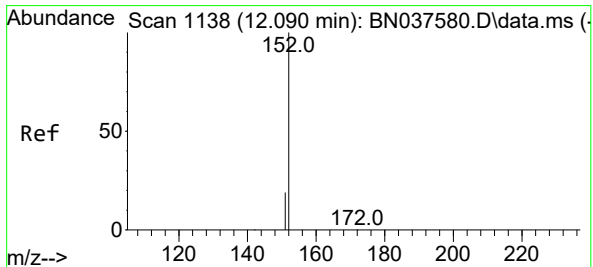
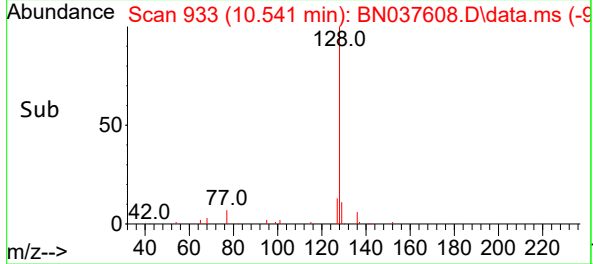
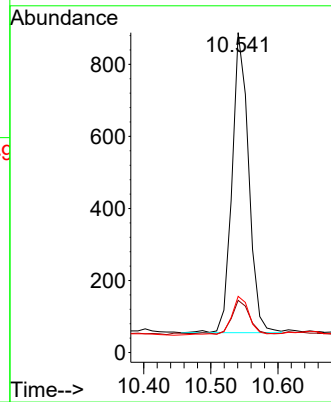
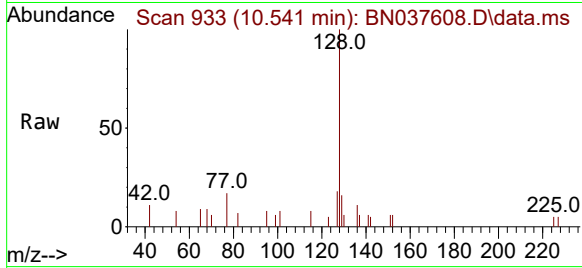
MW-19B-71.5-081325

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 128   | Resp: | 1430 |
| Ion Ratio | Lower | Upper |      |
| 128       | 100   |       |      |
| 129       | 16.3  | 9.8   | 14.6 |
| 127       | 17.6  | 11.5  | 17.3 |

Manual Integrations  
APPROVED

Reviewed By :Rahul Chavli 08/20/2025

Supervised By :Jagrut Upadhyay 08/20/2025



#11

2-Methylnaphthalene-d10

Concen: 0.309 ng

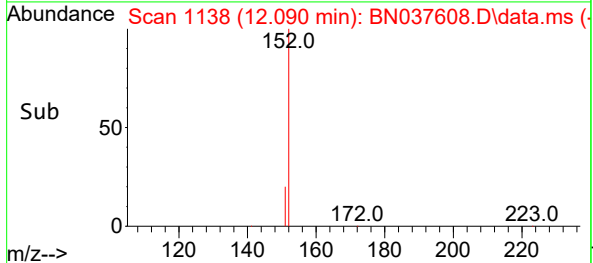
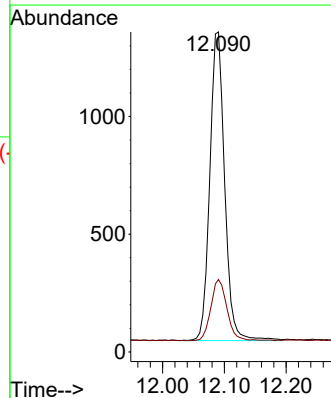
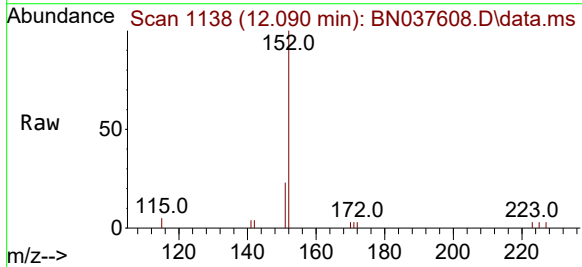
RT: 12.090 min Scan# 1138

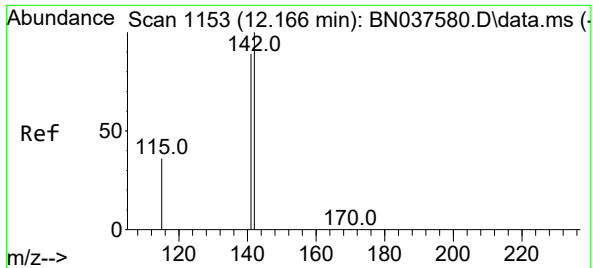
Delta R.T. 0.000 min

Lab File: BN037608.D

Acq: 19 Aug 2025 15:29

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 152   | Resp: | 2188 |
| Ion Ratio | Lower | Upper |      |
| 152       | 100   |       |      |
| 151       | 21.4  | 17.3  | 25.9 |





#12

2-Methylnaphthalene

Concen: 0.027 ng

RT: 12.161 min Scan# 1152

Delta R.T. -0.005 min

Lab File: BN037608.D

Acq: 19 Aug 2025 15:29

Instrument :

BNA\_N

ClientSampleId :

MW-19B-71.5-081325

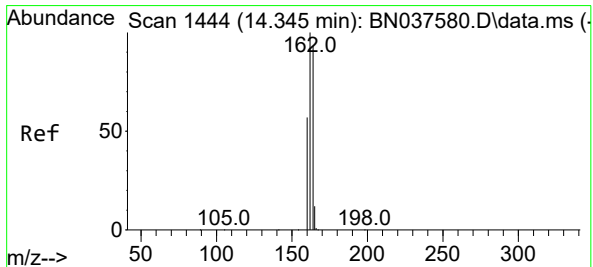
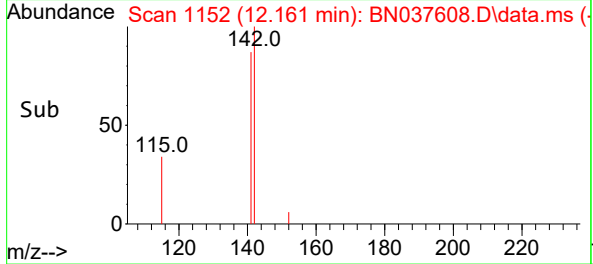
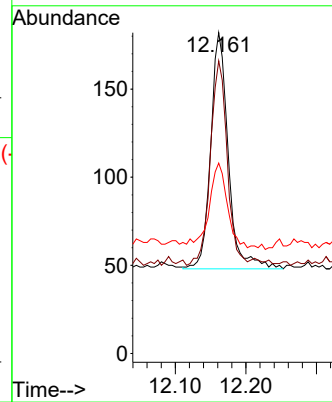
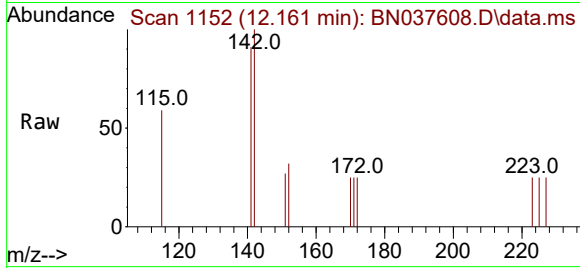
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 142   | Resp: | 233   |
| Ion      | Ratio | Lower | Upper |
| 142      | 100   |       |       |
| 141      | 91.2  | 71.4  | 107.0 |
| 115      | 59.3  | 30.2  | 45.4  |

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/20/2025

Supervised By :Jagrut Upadhyay 08/20/2025



#13

Acenaphthene-d10

Concen: 0.400 ng

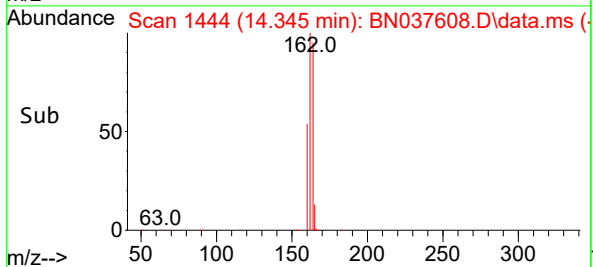
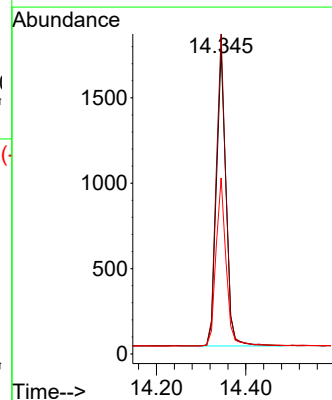
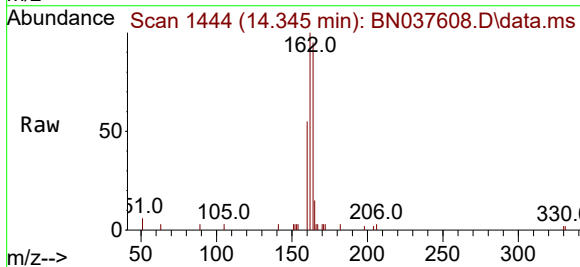
RT: 14.345 min Scan# 1444

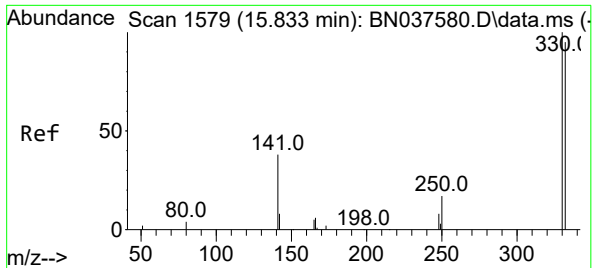
Delta R.T. 0.000 min

Lab File: BN037608.D

Acq: 19 Aug 2025 15:29

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 2609  |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 162      | 105.2 | 85.5  | 128.3 |
| 160      | 57.9  | 49.5  | 74.3  |





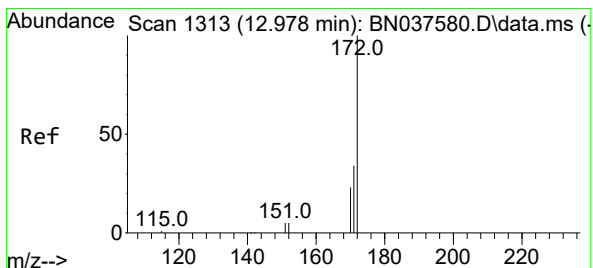
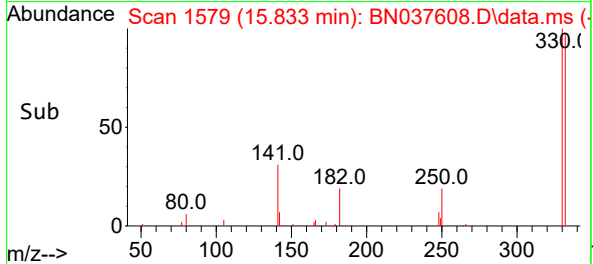
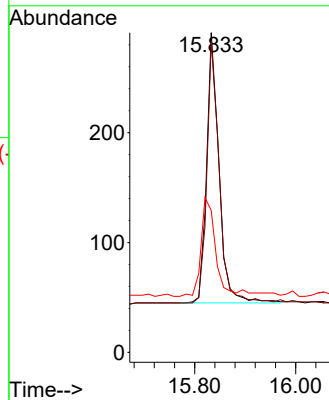
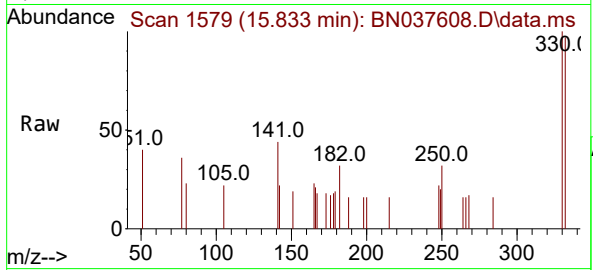
#14  
2,4,6-Tribromophenol  
Concen: 0.369 ng  
RT: 15.833 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BN037608.D  
Acq: 19 Aug 2025 15:29

Instrument :  
BNA\_N  
ClientSampleId :  
MW-19B-71.5-081325

Tgt Ion:330 Resp: 42  
Ion Ratio Lower Upper  
330 100  
332 96.2 77.4 116.0  
141 41.6 30.9 46.3

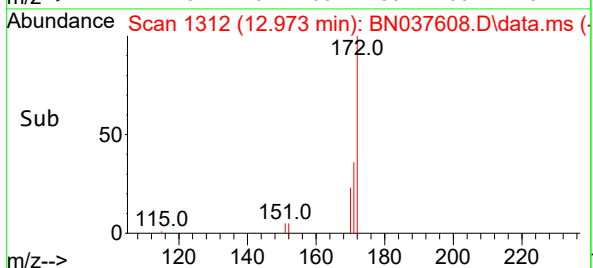
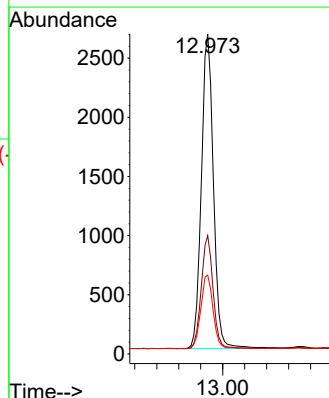
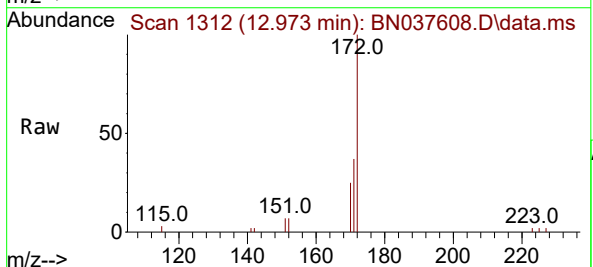
Manual Integrations  
APPROVED

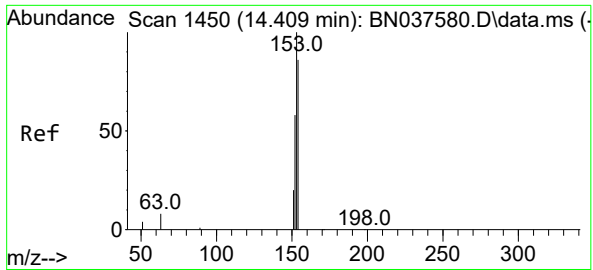
Reviewed By :Rahul Chavli 08/20/2025  
Supervised By :Jagrut Upadhyay 08/20/2025



#15  
2-Fluorobiphenyl  
Concen: 0.368 ng  
RT: 12.973 min Scan# 1312  
Delta R.T. -0.005 min  
Lab File: BN037608.D  
Acq: 19 Aug 2025 15:29

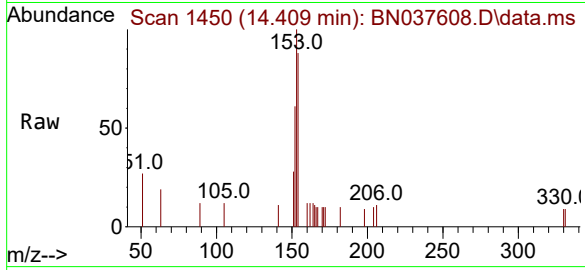
Tgt Ion:172 Resp: 5552  
Ion Ratio Lower Upper  
172 100  
171 37.0 28.2 42.4  
170 24.6 19.2 28.8





#17  
Acenaphthene  
Concen: 0.077 ng  
RT: 14.409 min Scan# 1450  
Delta R.T. 0.000 min  
Lab File: BN037608.D  
Acq: 19 Aug 2025 15:29

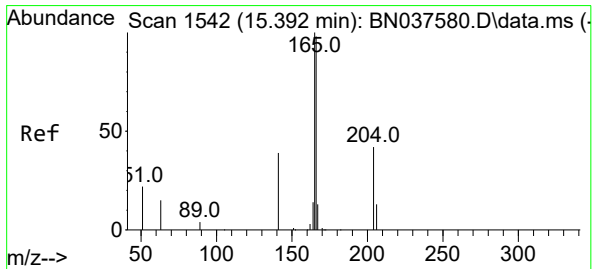
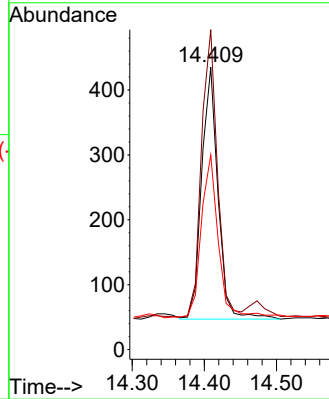
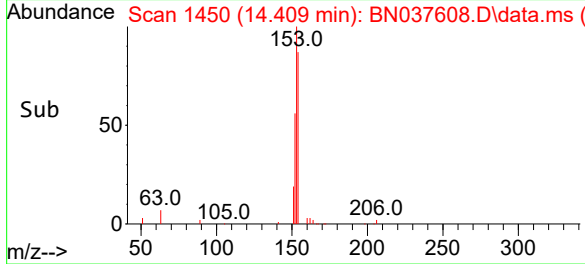
Instrument :  
BNA\_N  
ClientSampleId :  
MW-19B-71.5-081325



Tgt Ion:154 Resp: 61  
Ion Ratio Lower Upper  
154 100  
153 111.1 90.6 135.8  
152 66.6 54.9 82.3

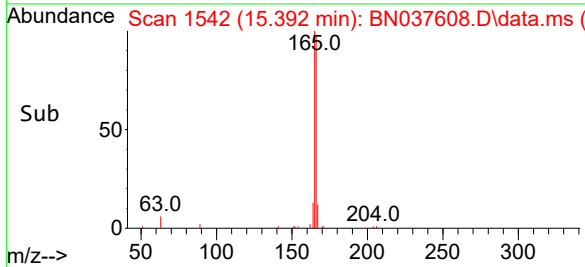
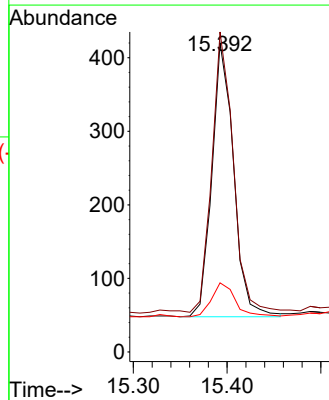
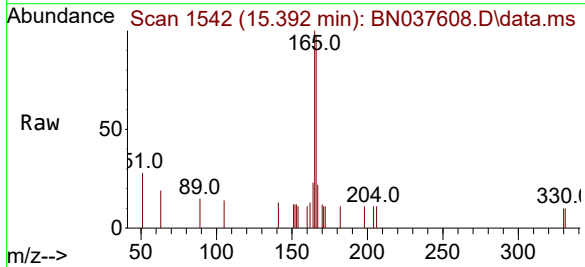
Manual Integrations  
APPROVED

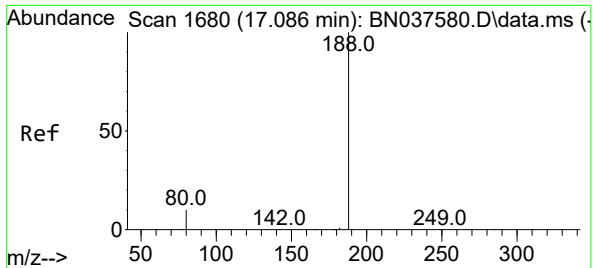
Reviewed By :Rahul Chavli 08/20/2025  
Supervised By :Jagrut Upadhyay 08/20/2025



#18  
Fluorene  
Concen: 0.057 ng  
RT: 15.392 min Scan# 1542  
Delta R.T. 0.000 min  
Lab File: BN037608.D  
Acq: 19 Aug 2025 15:29

Tgt Ion:166 Resp: 597  
Ion Ratio Lower Upper  
166 100  
165 100.3 78.9 118.3  
167 13.6 10.7 16.1





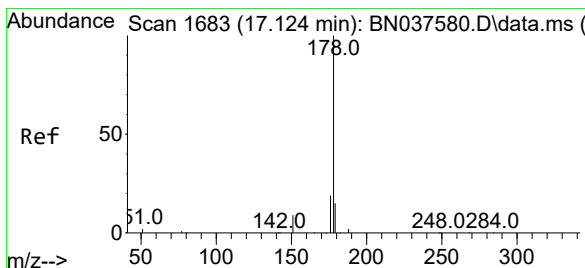
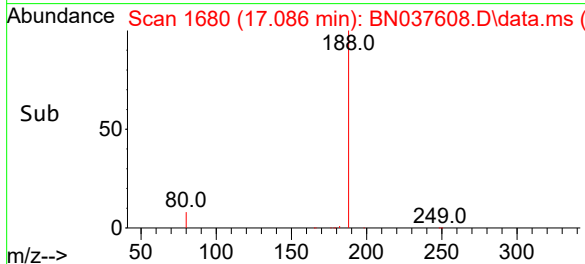
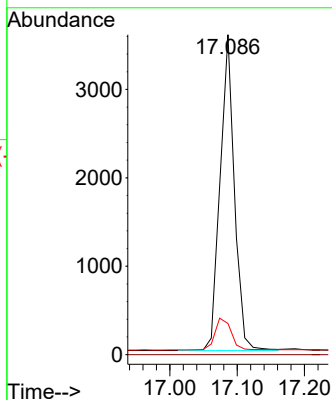
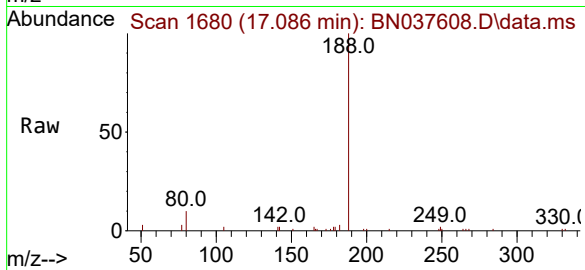
#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.086 min Scan# 1680  
Delta R.T. 0.000 min  
Lab File: BN037608.D  
Acq: 19 Aug 2025 15:29

Instrument :  
BNA\_N  
ClientSampleId :  
MW-19B-71.5-081325

Tgt Ion:188 Resp: 5274  
Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 9.7 9.1 13.7

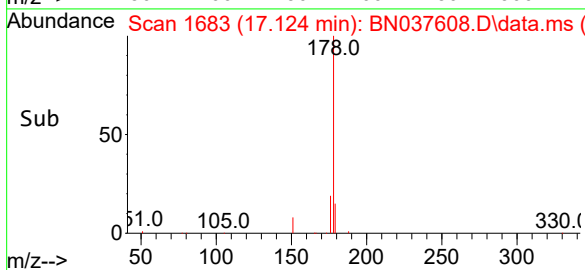
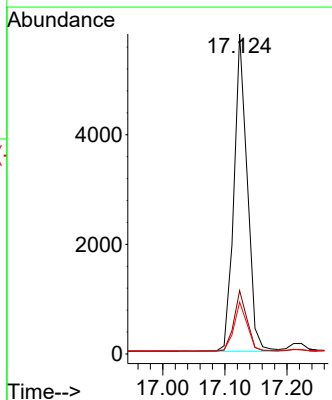
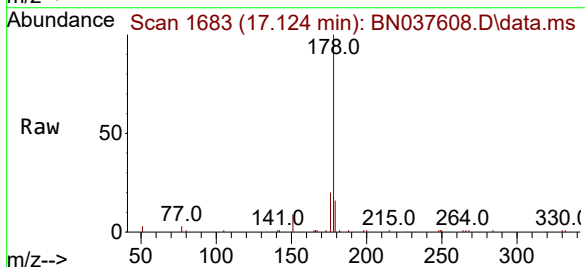
Manual Integrations  
APPROVED

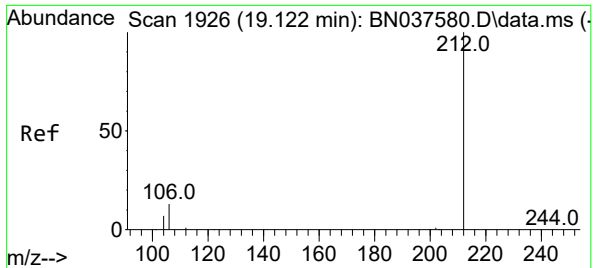
Reviewed By :Rahul Chavli 08/20/2025  
Supervised By :Jagrut Upadhyay 08/20/2025



#25  
Phenanthrene  
Concen: 0.536 ng  
RT: 17.124 min Scan# 1683  
Delta R.T. 0.000 min  
Lab File: BN037608.D  
Acq: 19 Aug 2025 15:29

Tgt Ion:178 Resp: 8597  
Ion Ratio Lower Upper  
178 100  
176 18.7 15.0 22.6  
179 15.5 12.3 18.5





#27

Fluoranthene-d10

Concen: 0.376 ng

RT: 19.118 min Scan# 1925

Delta R.T. -0.005 min

Lab File: BN037608.D

Acq: 19 Aug 2025 15:29

Instrument :

BNA\_N

ClientSampleId :

MW-19B-71.5-081325

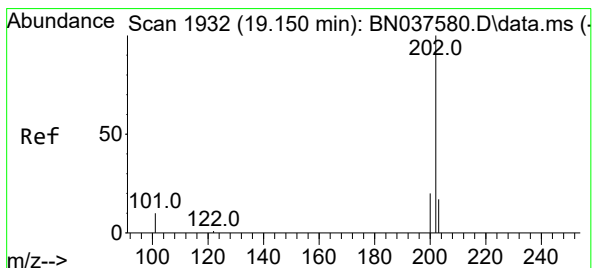
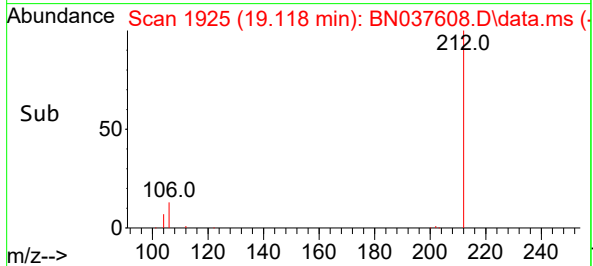
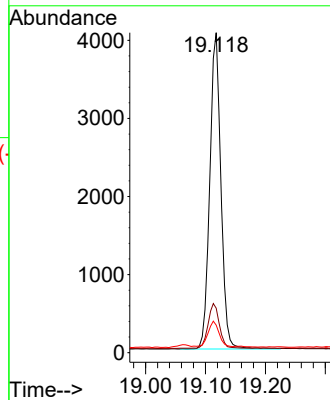
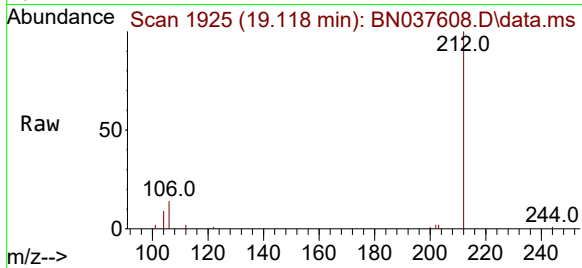
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 212   | Resp: | 5219 |
| Ion Ratio | Lower | Upper |      |
| 212       | 100   |       |      |
| 106       | 14.7  | 11.5  | 17.3 |
| 104       | 7.8   | 6.6   | 9.8  |

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/20/2025

Supervised By :Jagrut Upadhyay 08/20/2025



#28

Fluoranthene

Concen: 0.408 ng

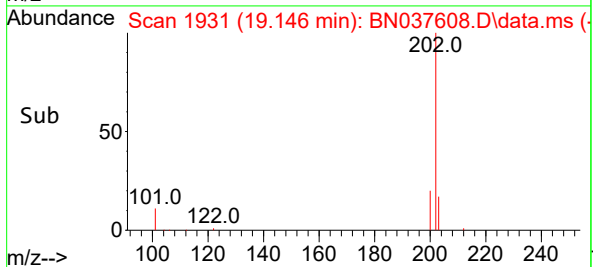
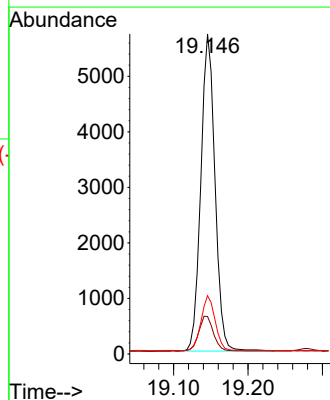
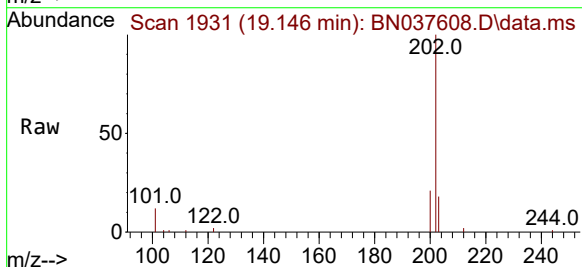
RT: 19.146 min Scan# 1931

Delta R.T. -0.005 min

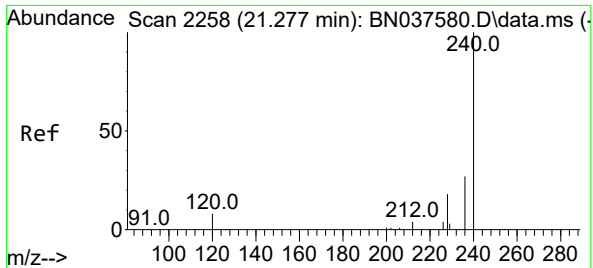
Lab File: BN037608.D

Acq: 19 Aug 2025 15:29

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 202   | Resp: | 7523 |
| Ion Ratio | Lower | Upper |      |
| 202       | 100   |       |      |
| 101       | 11.5  | 9.0   | 13.6 |
| 203       | 17.1  | 13.8  | 20.8 |

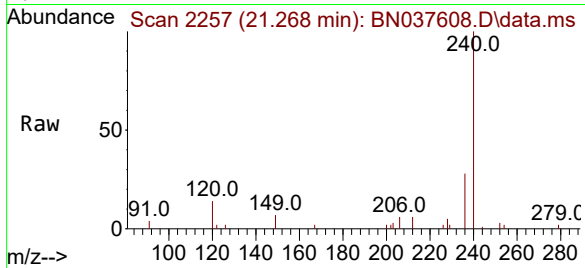






#29  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.268 min Scan# 21  
Delta R.T. -0.009 min  
Lab File: BN037608.D  
Acq: 19 Aug 2025 15:29

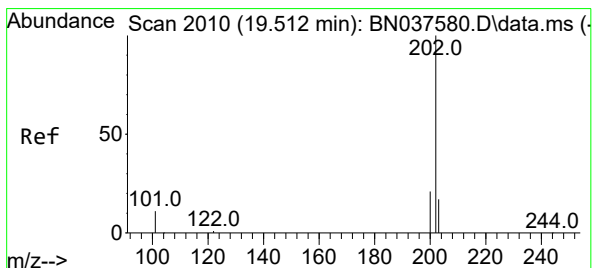
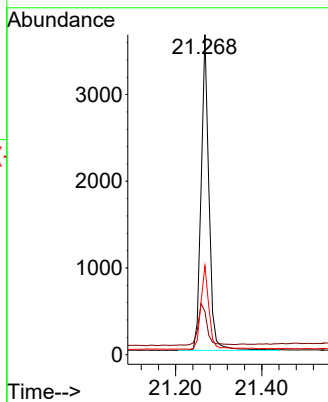
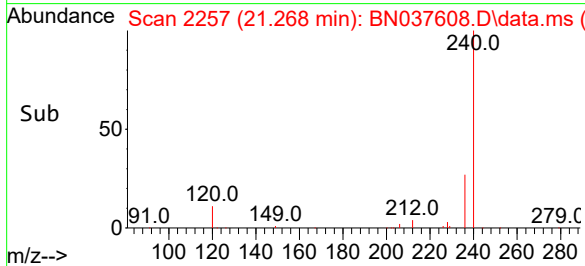
Instrument :  
BNA\_N  
ClientSampleId :  
MW-19B-71.5-081325



Tgt Ion:240 Resp: 4630  
Ion Ratio Lower Upper  
240 100  
120 13.5 8.9 13.3  
236 27.8 22.6 33.8

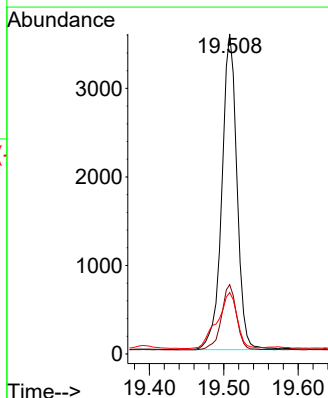
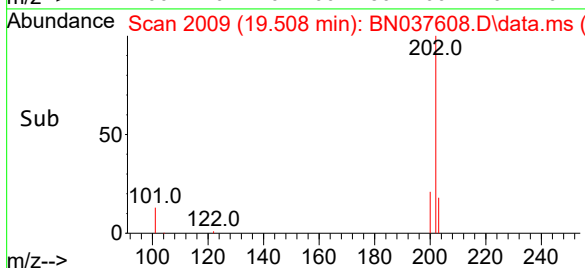
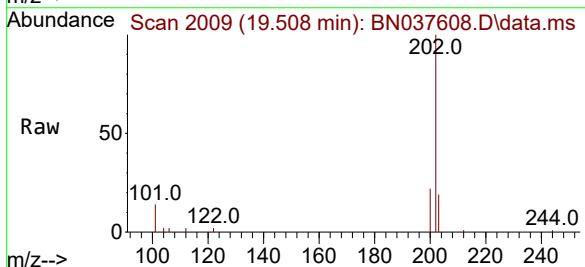
Manual Integrations  
APPROVED

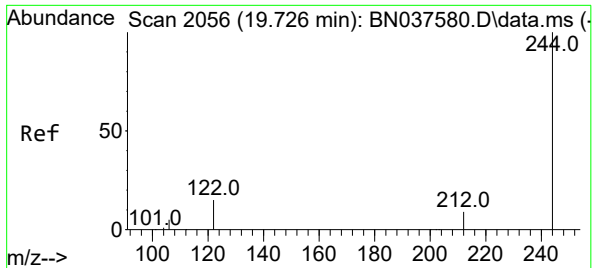
Reviewed By :Rahul Chavli 08/20/2025  
Supervised By :Jagrut Upadhyay 08/20/2025



#30  
Pyrene  
Concen: 0.289 ng  
RT: 19.508 min Scan# 2009  
Delta R.T. -0.005 min  
Lab File: BN037608.D  
Acq: 19 Aug 2025 15:29

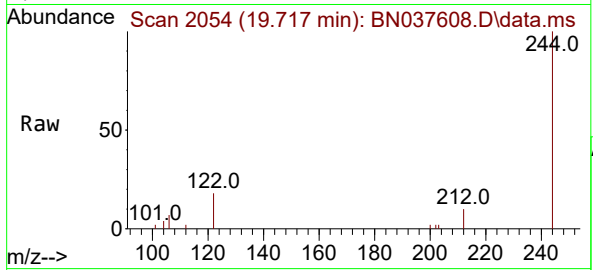
Tgt Ion:202 Resp: 5017  
Ion Ratio Lower Upper  
202 100  
200 20.6 16.6 25.0  
203 23.3 14.3 21.5#





#31  
Terphenyl-d14  
Concen: 0.479 ng  
RT: 19.717 min Scan# 2054  
Delta R.T. -0.009 min  
Lab File: BN037608.D  
Acq: 19 Aug 2025 15:29

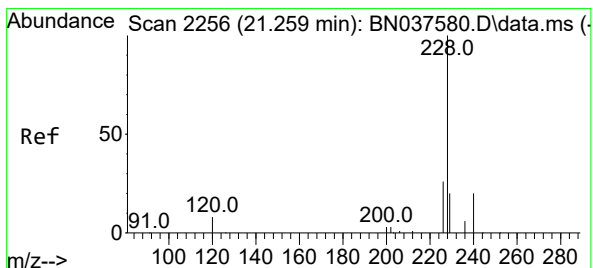
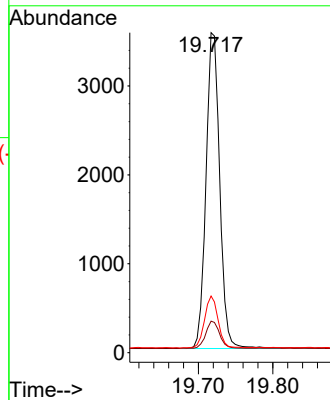
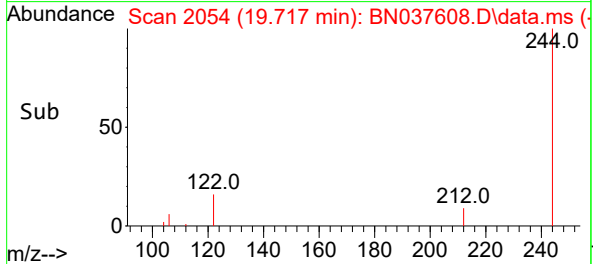
Instrument :  
BNA\_N  
ClientSampleId :  
MW-19B-71.5-081325



Tgt Ion:244 Resp: 457  
Ion Ratio Lower Upper  
244 100  
212 9.8 8.2 12.2  
122 17.7 13.2 19.8

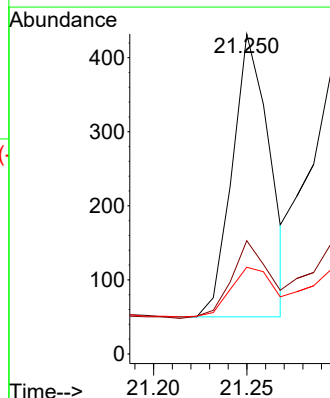
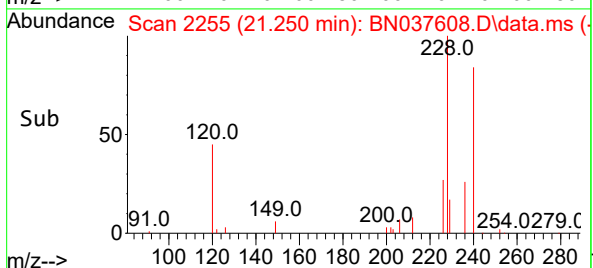
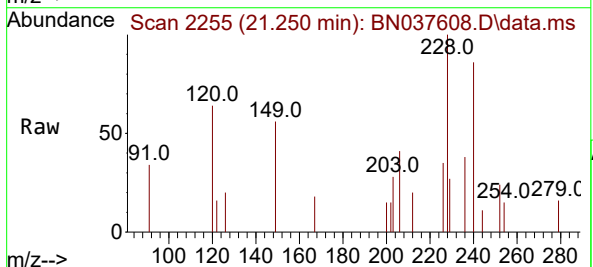
Manual Integrations  
APPROVED

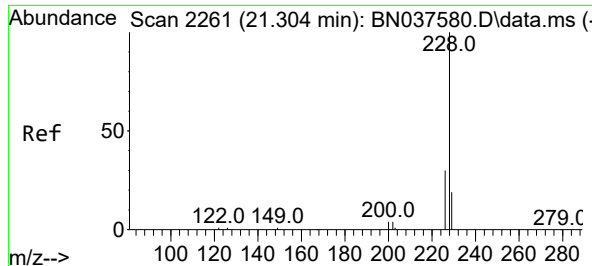
Reviewed By :Rahul Chavli 08/20/2025  
Supervised By :Jagrut Upadhyay 08/20/2025



#32  
Benzo(a)anthracene  
Concen: 0.035 ng  
RT: 21.250 min Scan# 2255  
Delta R.T. -0.009 min  
Lab File: BN037608.D  
Acq: 19 Aug 2025 15:29

Tgt Ion:228 Resp: 535  
Ion Ratio Lower Upper  
228 100  
226 35.4 21.5 32.3#  
229 27.1 16.5 24.7#





#33

Chrysene

Concen: 0.047 ng m

RT: 21.304 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN037608.D

Acq: 19 Aug 2025 15:29

Instrument :

BNA\_N

ClientSampleId :

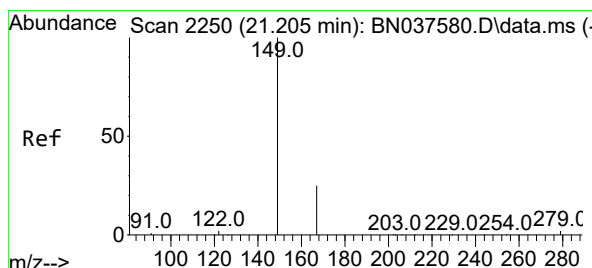
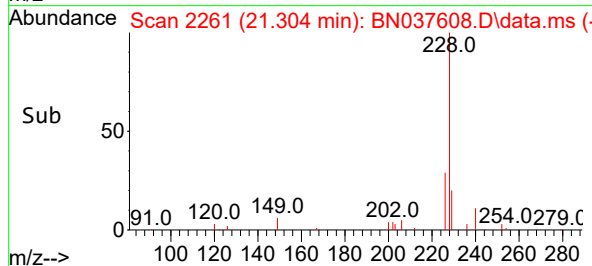
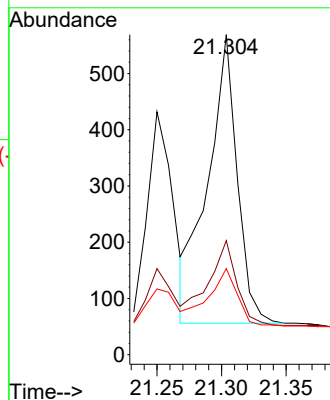
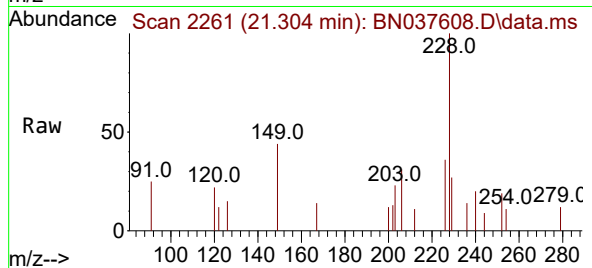
MW-19B-71.5-081325

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 228   | Resp: | 81   |
| Ion Ratio | Lower | Upper |      |
| 228       | 100   |       |      |
| 226       | 35.7  | 24.9  | 37.3 |
| 229       | 26.9  | 15.8  | 23.8 |

Manual Integrations  
APPROVED

Reviewed By :Rahul Chavli 08/20/2025

Supervised By :Jagrut Upadhyay 08/20/2025



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.073 ng

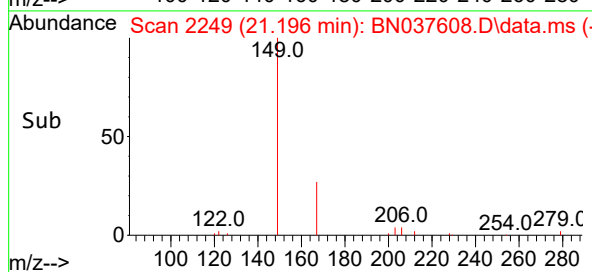
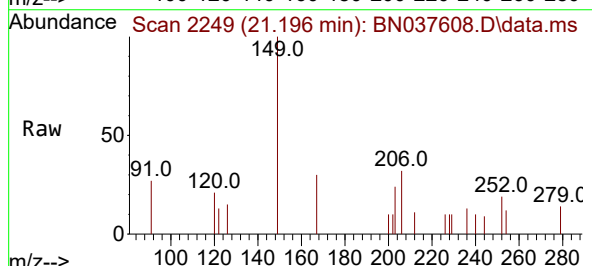
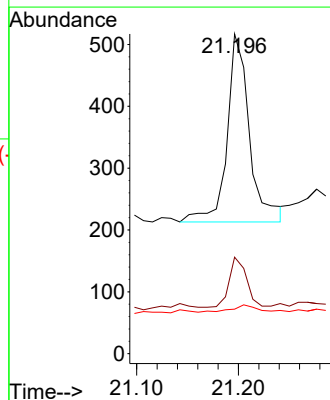
RT: 21.196 min Scan# 2249

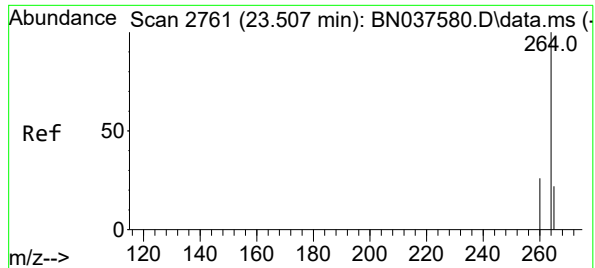
Delta R.T. -0.009 min

Lab File: BN037608.D

Acq: 19 Aug 2025 15:29

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 149   | Resp: | 466  |
| Ion Ratio | Lower | Upper |      |
| 149       | 100   |       |      |
| 167       | 20.6  | 20.5  | 30.7 |
| 279       | 4.3   | 2.6   | 4.0  |





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.502 min Scan# 21

Delta R.T. -0.006 min

Lab File: BN037608.D

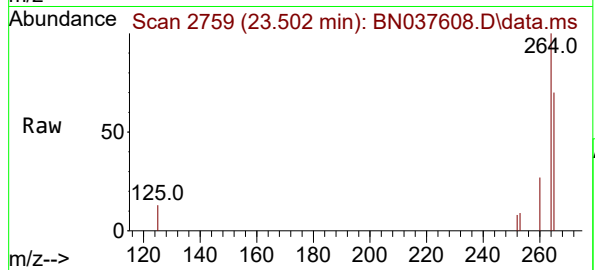
Acq: 19 Aug 2025 15:29

Instrument :

BNA\_N

ClientSampleId :

MW-19B-71.5-081325



Tgt Ion:264 Resp: 4050

Ion Ratio Lower Upper

264 100

260 26.8 21.6 32.4

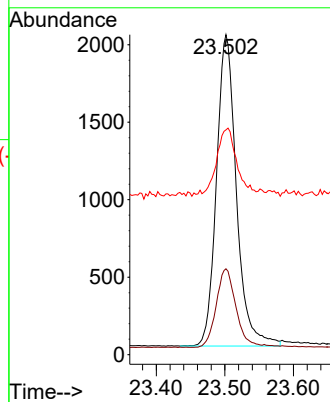
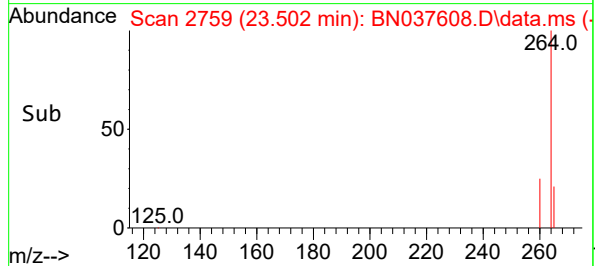
265 70.3 48.2 72.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/20/2025

Supervised By :Jagrut Upadhyay 08/20/2025



6

A

B

C

D

E

F

G

H

I

J

K

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN081925\  
 Data File : BN037622.D  
 Acq On : 20 Aug 2025 06:38  
 Operator : RC/JU  
 Sample : Q2869-01DL 2X  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 MW-19B-71.5-081325DL

Quant Time: Aug 20 07:24:20 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN081225.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Aug 13 05:00:58 2025  
 Response via : Initial Calibration

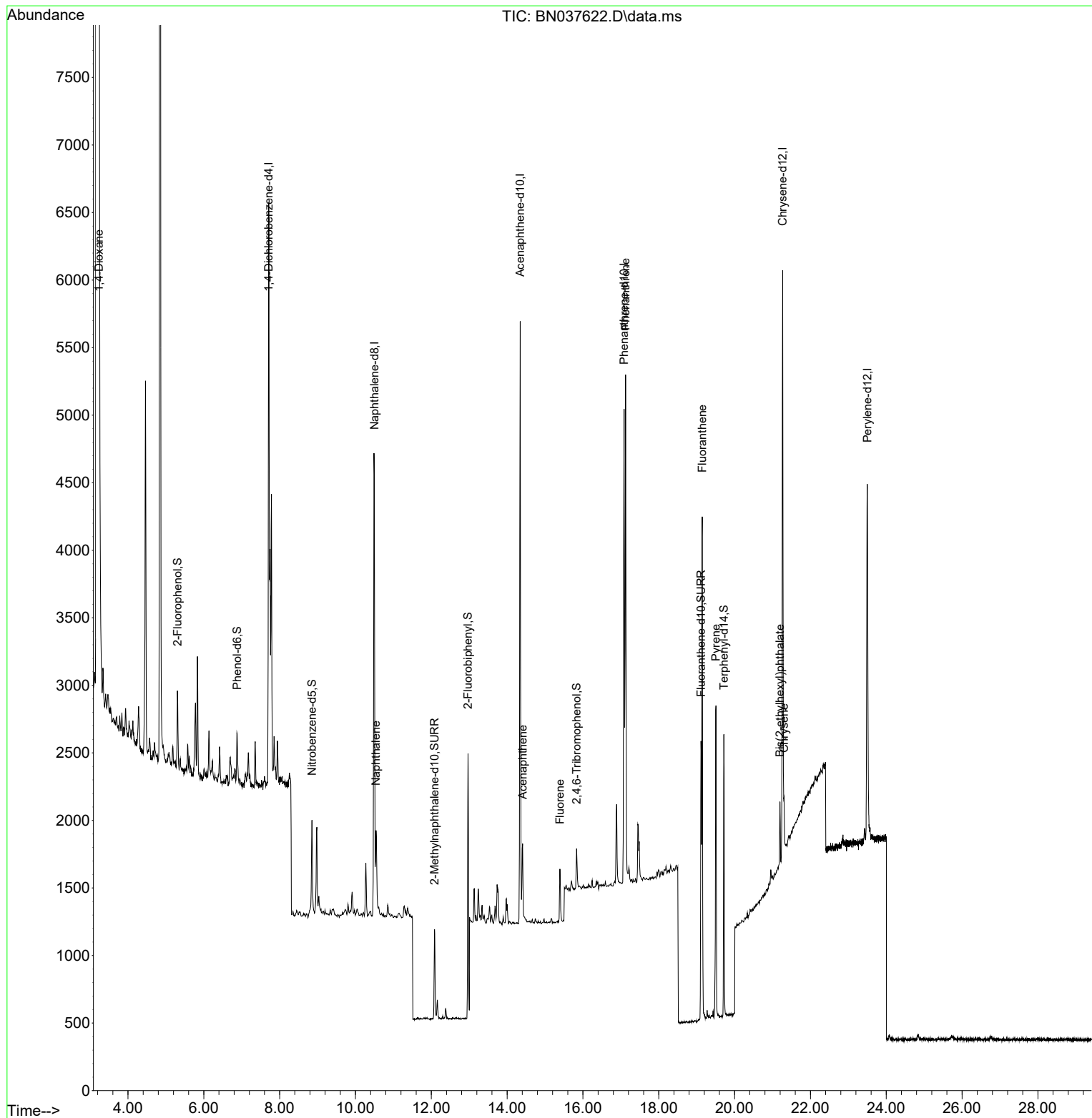
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.710  | 152  | 2126     | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.498 | 136  | 4898     | 0.400 | ng    | 0.00     |
| 13) Acenaphthene-d10          | 14.345 | 164  | 2452     | 0.400 | ng    | 0.00     |
| 19) Phenanthrene-d10          | 17.086 | 188  | 4999     | 0.400 | ng    | # 0.00   |
| 29) Chrysene-d12              | 21.268 | 240  | 4107     | 0.400 | ng    | # 0.00   |
| 35) Perylene-d12              | 23.502 | 264  | 3877     | 0.400 | ng    | # 0.00   |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.305  | 112  | 373      | 0.077 | ng    | 0.00     |
| 5) Phenol-d6                  | 6.879  | 99   | 248      | 0.043 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 8.854  | 82   | 589      | 0.171 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10   | 12.085 | 152  | 968      | 0.145 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 15.833 | 330  | 191      | 0.178 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 12.968 | 172  | 2522     | 0.178 | ng    | -0.01    |
| 27) Fluoranthene-d10          | 19.113 | 212  | 2294     | 0.174 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.717 | 244  | 2024     | 0.240 | ng    | 0.00     |
| Target Compounds              |        |      |          |       |       |          |
| 2) 1,4-Dioxane                | 3.232  | 88   | 5395     | 2.652 | ng    | 97       |
| 9) Naphthalene                | 10.541 | 128  | 657      | 0.050 | ng    | # 80     |
| 17) Acenaphthene              | 14.409 | 154  | 290      | 0.039 | ng    | 96       |
| 18) Fluorene                  | 15.392 | 166  | 293      | 0.030 | ng    | 92       |
| 25) Phenanthrene              | 17.124 | 178  | 3918     | 0.258 | ng    | 99       |
| 28) Fluoranthene              | 19.146 | 202  | 3362     | 0.193 | ng    | 99       |
| 30) Pyrene                    | 19.508 | 202  | 2255     | 0.147 | ng    | # 93     |
| 33) Chrysene                  | 21.304 | 228  | 372      | 0.024 | ng    | # 73     |
| 34) Bis(2-ethylhexyl)phtha... | 21.196 | 149  | 469      | 0.083 | ng    | # 98     |
| -----                         |        |      |          |       |       |          |

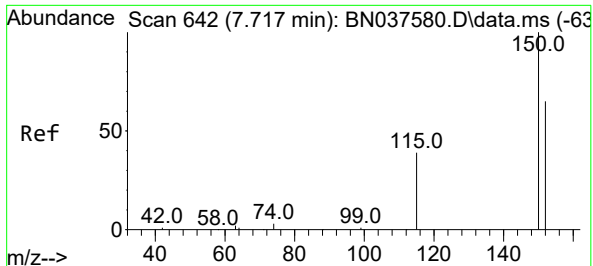
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN081925\  
Data File : BN037622.D  
Acq On : 20 Aug 2025 06:38  
Operator : RC/JU  
Sample : Q2869-01DL 2X  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
MW-19B-71.5-081325DL

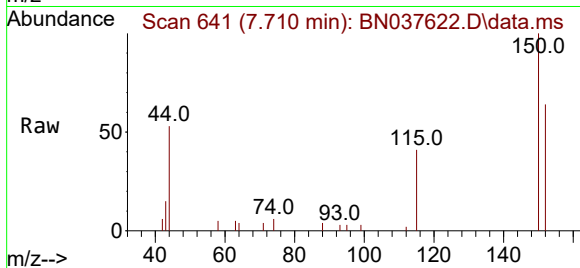
Quant Time: Aug 20 07:24:20 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN081225.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Aug 13 05:00:58 2025  
Response via : Initial Calibration



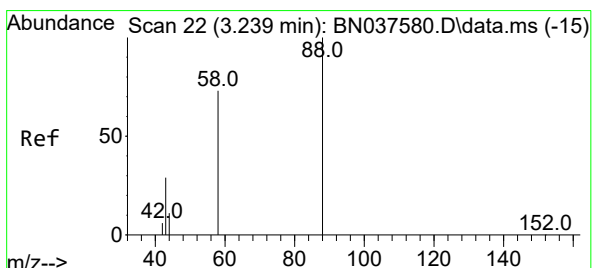
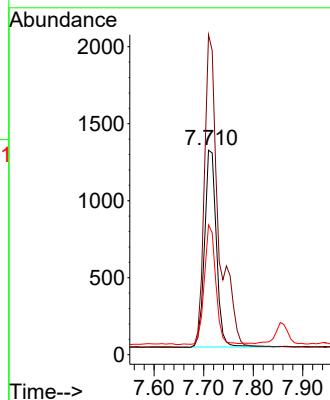
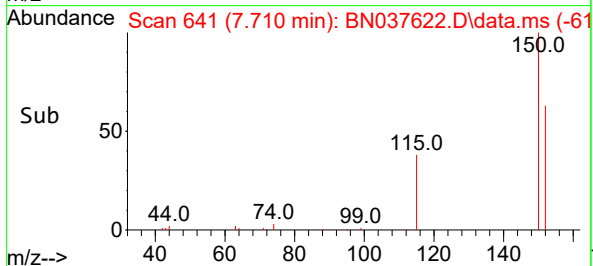


#1  
 1,4-Dichlorobenzene-d4  
 Concen: 0.400 ng  
 RT: 7.710 min Scan# 64  
 Delta R.T. -0.007 min  
 Lab File: BN037622.D  
 Acq: 20 Aug 2025 06:38

Instrument :  
 BNA\_N  
 ClientSampleId :  
 MW-19B-71.5-081325DL

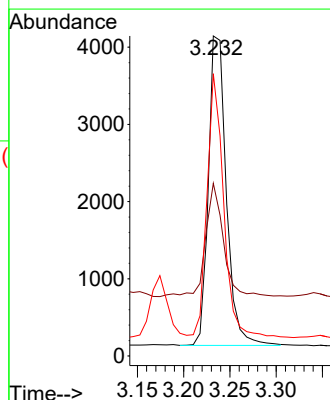
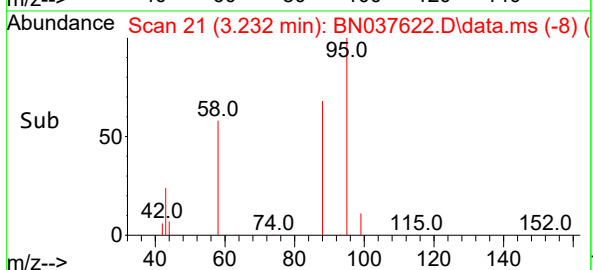
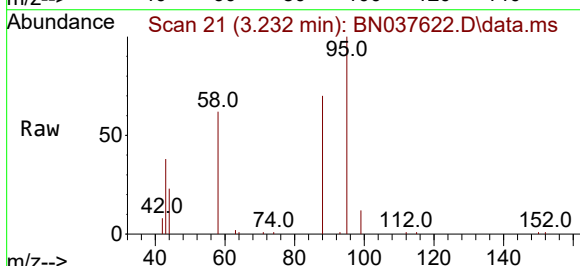


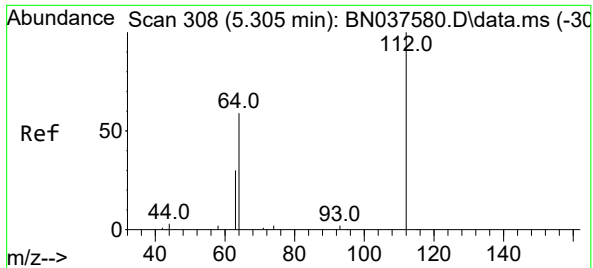
Tgt Ion:152 Resp: 2126  
 Ion Ratio Lower Upper  
 152 100  
 150 156.5 122.2 183.4  
 115 63.5 49.8 74.6



#2  
 1,4-Dioxane  
 Concen: 2.652 ng  
 RT: 3.232 min Scan# 21  
 Delta R.T. -0.007 min  
 Lab File: BN037622.D  
 Acq: 20 Aug 2025 06:38

Tgt Ion: 88 Resp: 5395  
 Ion Ratio Lower Upper  
 88 100  
 43 36.0 25.8 38.6  
 58 77.7 61.2 91.8

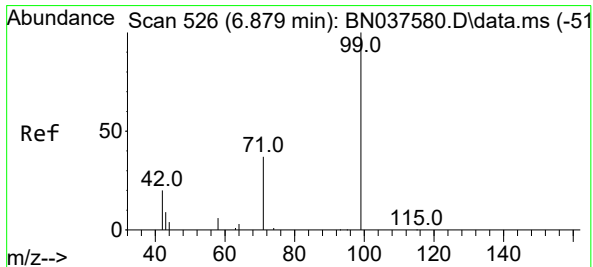
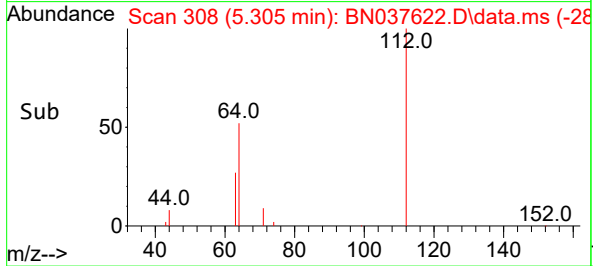
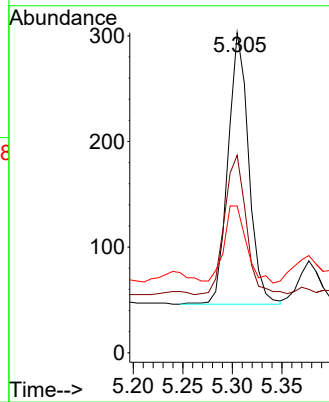
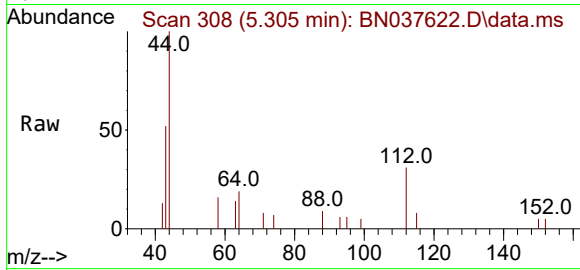




#4  
2-Fluorophenol  
Concen: 0.077 ng  
RT: 5.305 min Scan# 308  
Delta R.T. 0.000 min  
Lab File: BN037622.D  
Acq: 20 Aug 2025 06:38

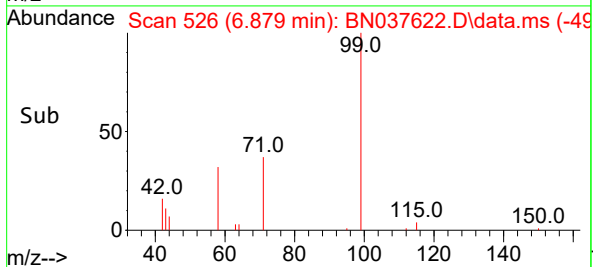
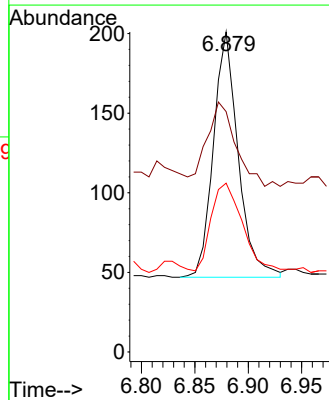
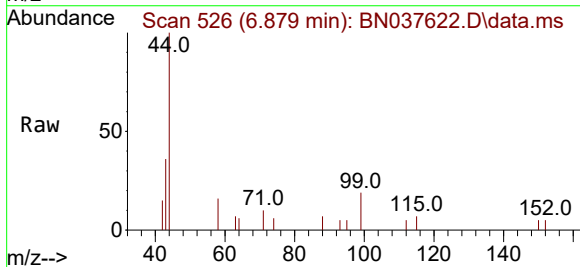
Instrument :  
BNA\_N  
ClientSampleId :  
MW-19B-71.5-081325DL

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 112   | Resp: | 373   |
| Ion      | Ratio | Lower | Upper |
| 112      | 100   |       |       |
| 64       | 53.6  | 44.9  | 67.3  |
| 63       | 30.6  | 23.4  | 35.2  |

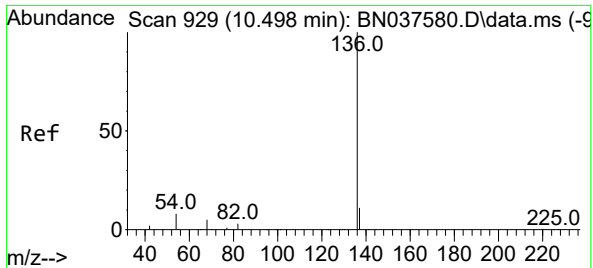


#5  
Phenol-d6  
Concen: 0.043 ng  
RT: 6.879 min Scan# 526  
Delta R.T. 0.000 min  
Lab File: BN037622.D  
Acq: 20 Aug 2025 06:38

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 99    | Resp: | 248   |
| Ion      | Ratio | Lower | Upper |
| 99       | 100   |       |       |
| 42       | 40.7  | 18.5  | 27.7# |
| 71       | 51.2  | 28.6  | 42.8# |



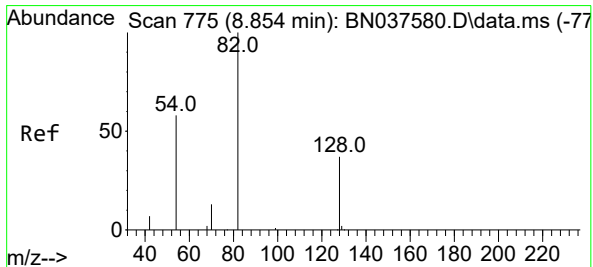
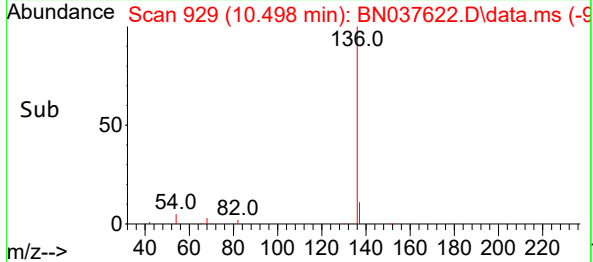
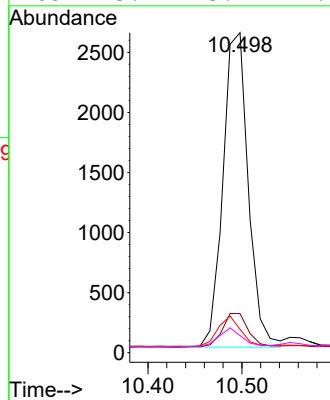
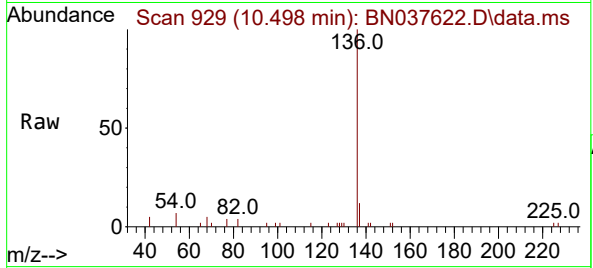




#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.498 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: BN037622.D  
Acq: 20 Aug 2025 06:38

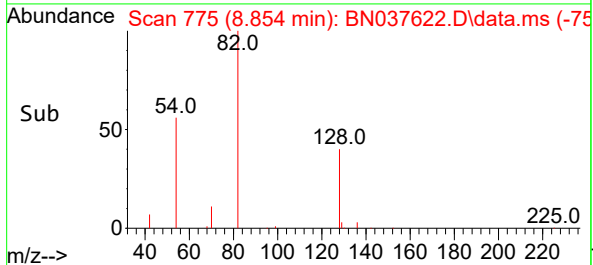
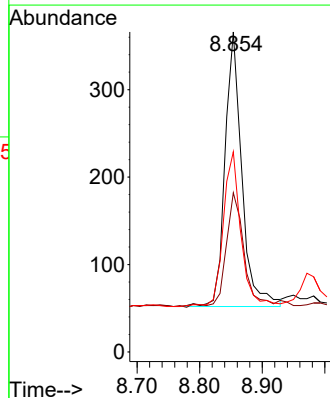
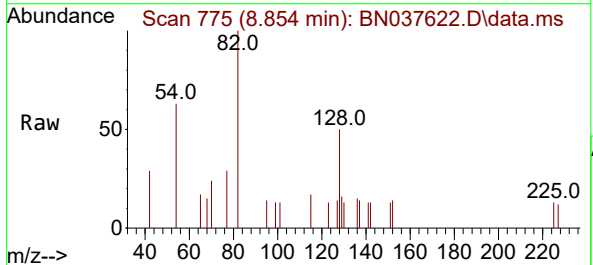
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BNA\_N  
ClientSampleId :  
MW-19B-71.5-081325DL

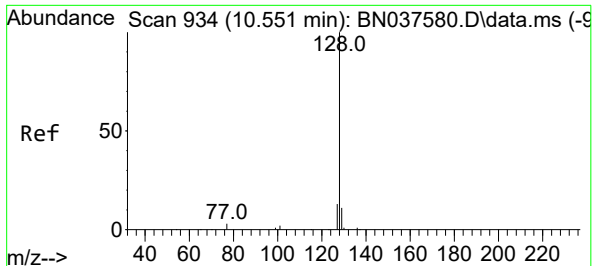
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 136   | Resp: | 4898  |
| Ion      | Ratio | Lower | Upper |
| 136      | 100   |       |       |
| 137      | 12.2  | 9.5   | 14.3  |
| 54       | 7.3   | 7.3   | 10.9  |
| 68       | 5.4   | 5.1   | 7.7   |



#8  
Nitrobenzene-d5  
Concen: 0.171 ng  
RT: 8.854 min Scan# 775  
Delta R.T. 0.000 min  
Lab File: BN037622.D  
Acq: 20 Aug 2025 06:38

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 82    | Resp: | 589   |
| Ion      | Ratio | Lower | Upper |
| 82       | 100   |       |       |
| 128      | 49.7  | 32.6  | 48.8# |
| 54       | 62.6  | 48.9  | 73.3  |

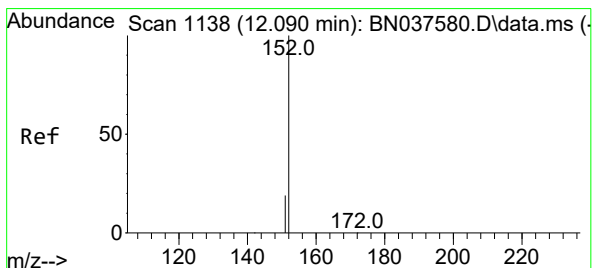
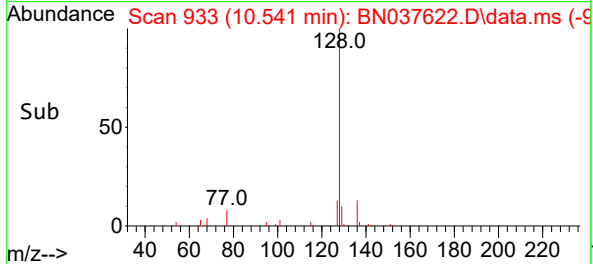
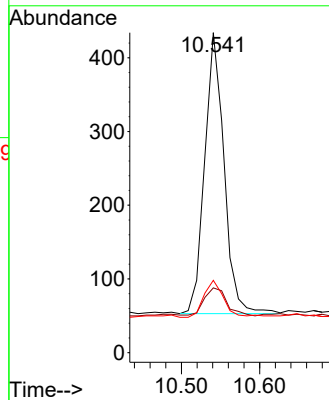
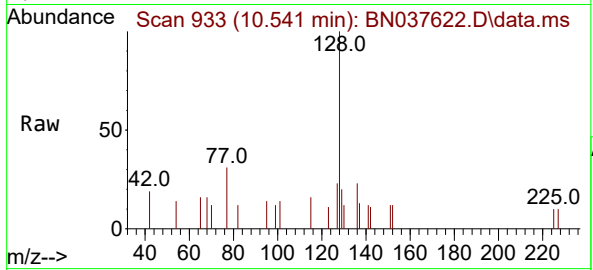




#9  
Naphthalene  
Concen: 0.050 ng  
RT: 10.541 min Scan# 91  
Delta R.T. -0.011 min  
Lab File: BN037622.D  
Acq: 20 Aug 2025 06:38

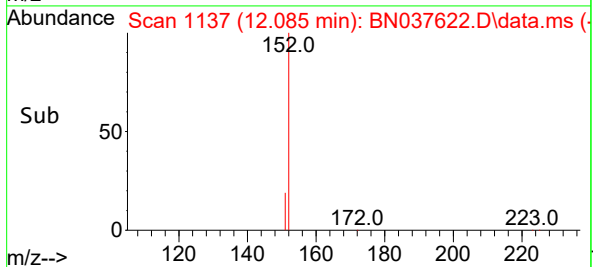
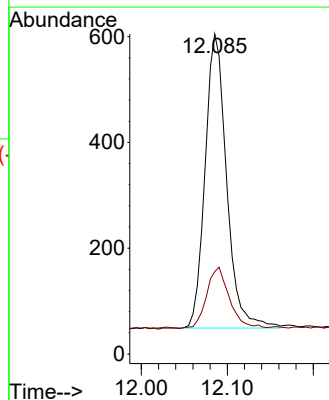
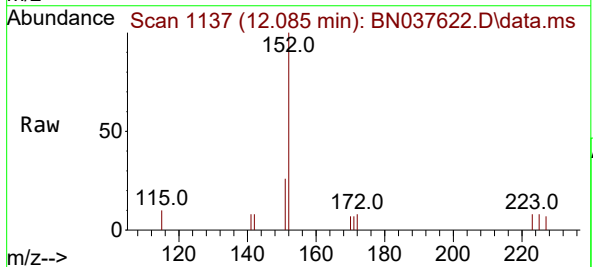
Instrument :  
BNA\_N  
ClientSampleId :  
MW-19B-71.5-081325DL

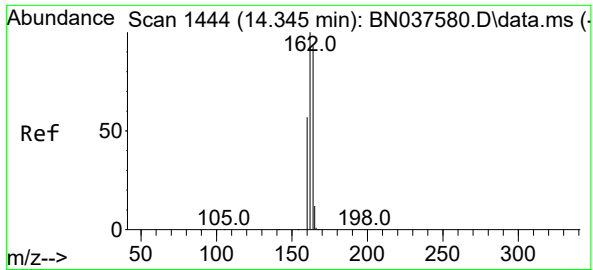
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 129     | 20.3  | 9.8   | 14.6# |
| 127     | 22.6  | 11.5  | 17.3# |



#11  
2-Methylnaphthalene-d10  
Concen: 0.145 ng  
RT: 12.085 min Scan# 1137  
Delta R.T. -0.005 min  
Lab File: BN037622.D  
Acq: 20 Aug 2025 06:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 22.2  | 17.3  | 25.9  |

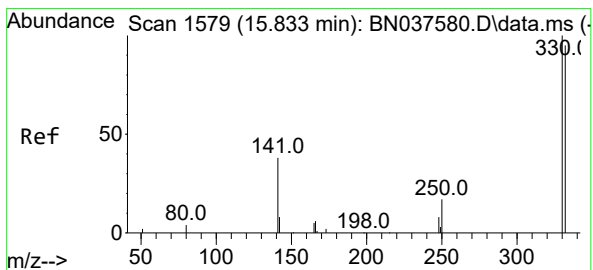
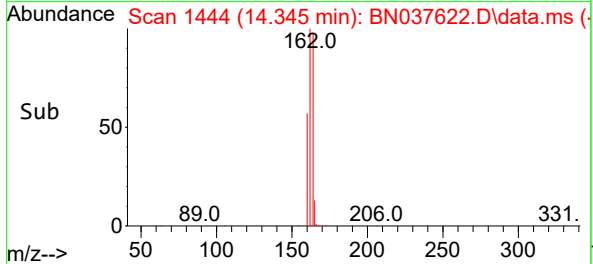
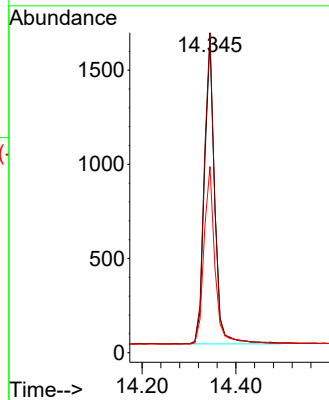
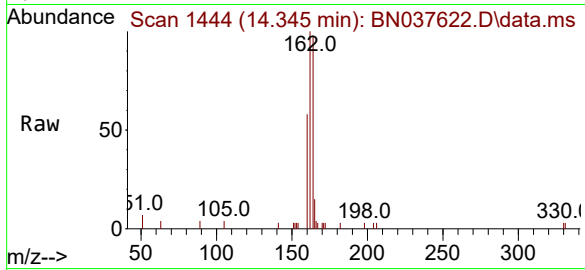




#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.345 min Scan# 1444  
Delta R.T. 0.000 min  
Lab File: BN037622.D  
Acq: 20 Aug 2025 06:38

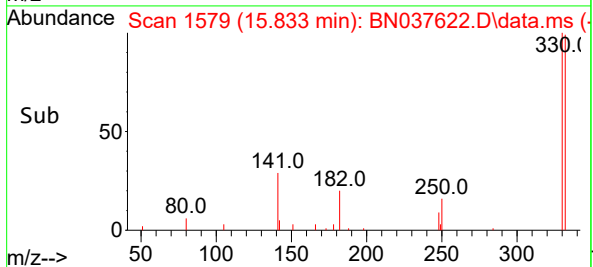
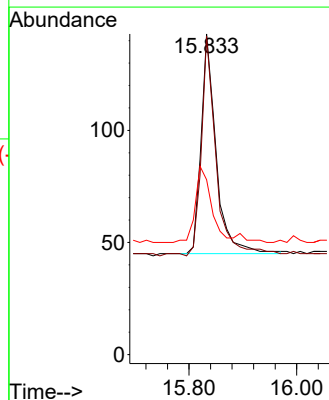
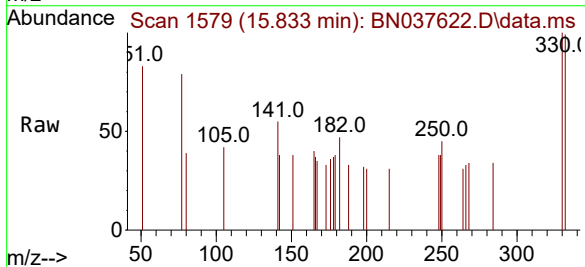
Instrument :  
BNA\_N  
ClientSampleId :  
MW-19B-71.5-081325DL

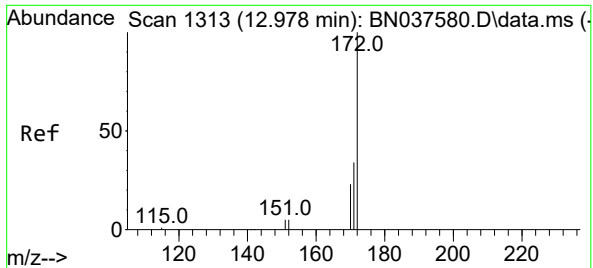
| Tgt Ion   | 164   | Resp  | 2452  |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 164       | 100   |       |       |
| 162       | 102.0 | 85.5  | 128.3 |
| 160       | 59.3  | 49.5  | 74.3  |



#14  
2,4,6-Tribromophenol  
Concen: 0.178 ng  
RT: 15.833 min Scan# 1579  
Delta R.T. 0.000 min  
Lab File: BN037622.D  
Acq: 20 Aug 2025 06:38

| Tgt Ion   | 330   | Resp  | 191   |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 330       | 100   |       |       |
| 332       | 100.0 | 77.4  | 116.0 |
| 141       | 37.2  | 30.9  | 46.3  |

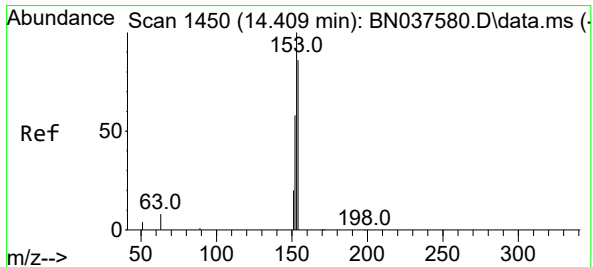
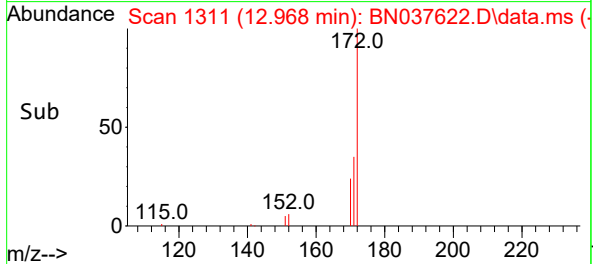
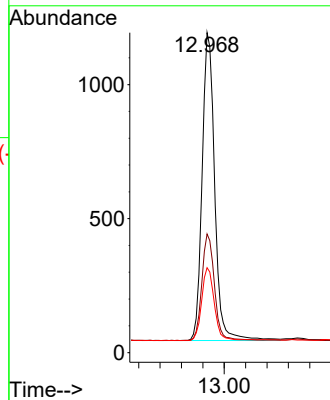
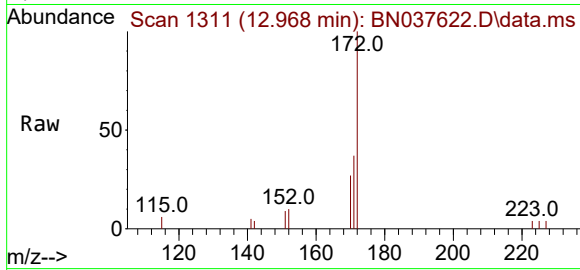




#15  
2-Fluorobiphenyl  
Concen: 0.178 ng  
RT: 12.968 min Scan# 11  
Delta R.T. -0.010 min  
Lab File: BN037622.D  
Acq: 20 Aug 2025 06:38

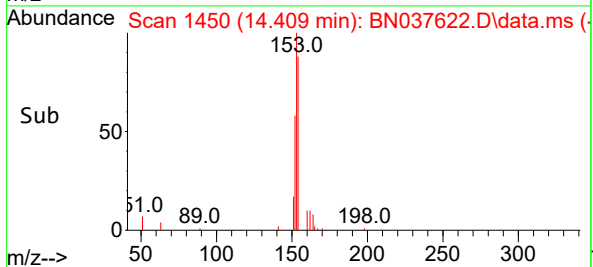
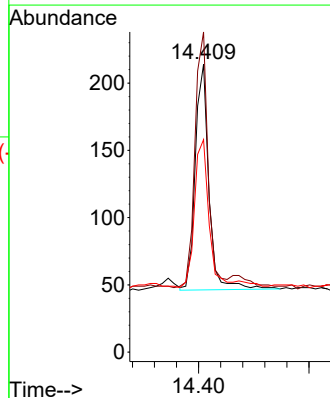
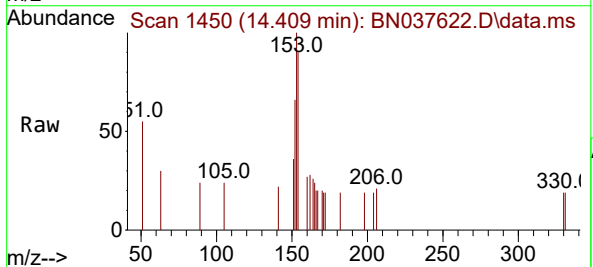
Instrument :  
BNA\_N  
ClientSampleId :  
MW-19B-71.5-081325DL

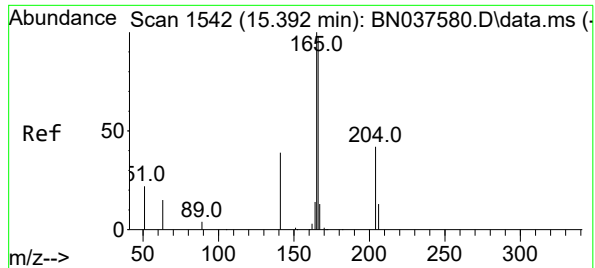
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 172   | Resp: | 2522 |
| Ion Ratio | Lower | Upper |      |
| 172       | 100   |       |      |
| 171       | 37.1  | 28.2  | 42.4 |
| 170       | 26.5  | 19.2  | 28.8 |



#17  
Acenaphthene  
Concen: 0.039 ng  
RT: 14.409 min Scan# 1450  
Delta R.T. 0.000 min  
Lab File: BN037622.D  
Acq: 20 Aug 2025 06:38

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 154   | Resp: | 290   |
| Ion Ratio | Lower | Upper |       |
| 154       | 100   |       |       |
| 153       | 108.3 | 90.6  | 135.8 |
| 152       | 66.6  | 54.9  | 82.3  |

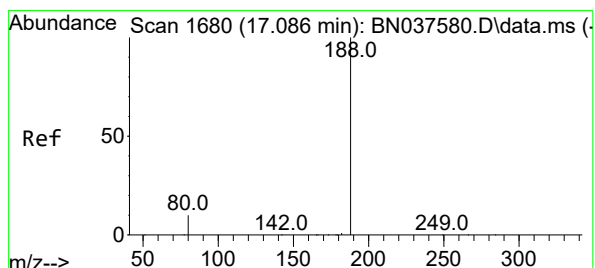
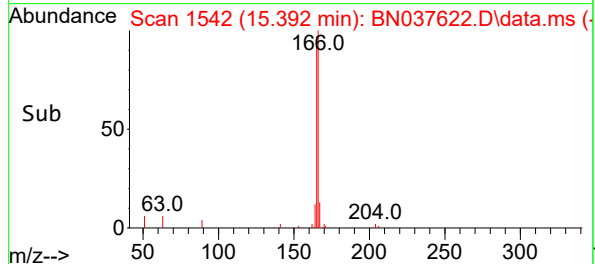
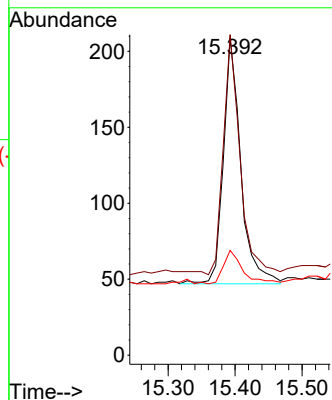
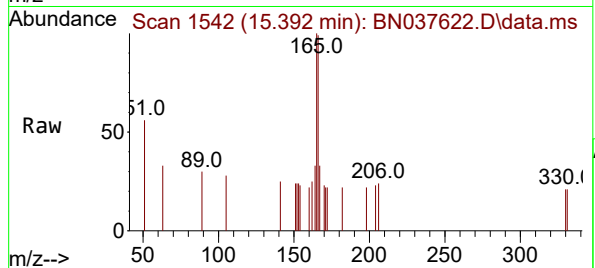




#18  
Fluorene  
Concen: 0.030 ng  
RT: 15.392 min Scan# 1542  
Delta R.T. 0.000 min  
Lab File: BN037622.D  
Acq: 20 Aug 2025 06:38

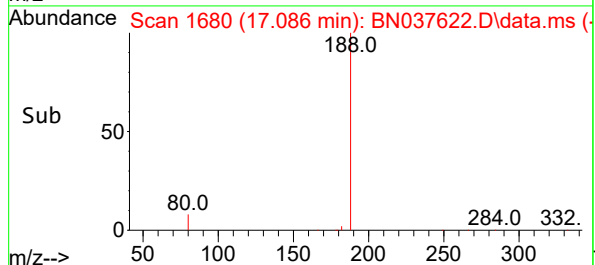
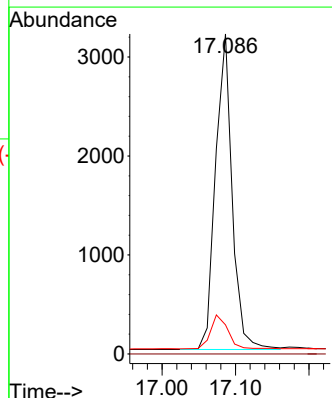
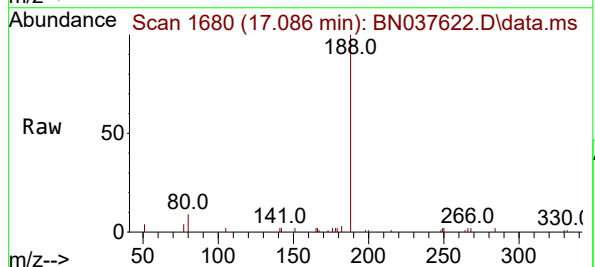
Instrument :  
BNA\_N  
ClientSampleId :  
MW-19B-71.5-081325DL

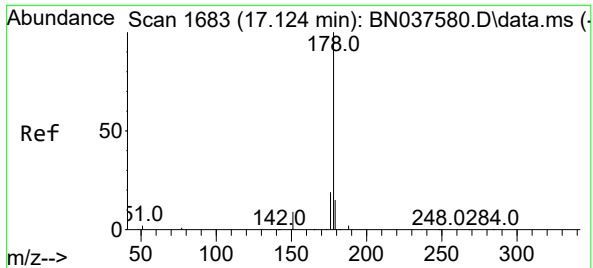
Tgt Ion:166 Resp: 293  
Ion Ratio Lower Upper  
166 100  
165 89.8 78.9 118.3  
167 15.0 10.7 16.1



#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.086 min Scan# 1680  
Delta R.T. 0.000 min  
Lab File: BN037622.D  
Acq: 20 Aug 2025 06:38

Tgt Ion:188 Resp: 4999  
Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 9.1 9.1 13.7#

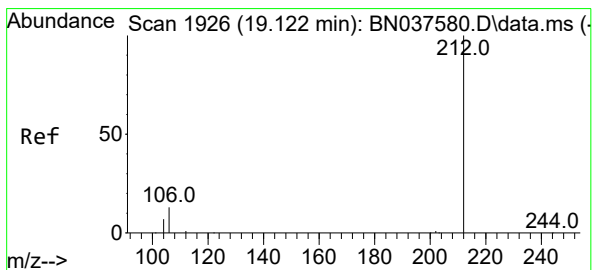
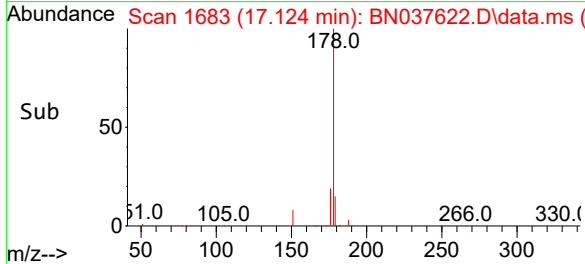
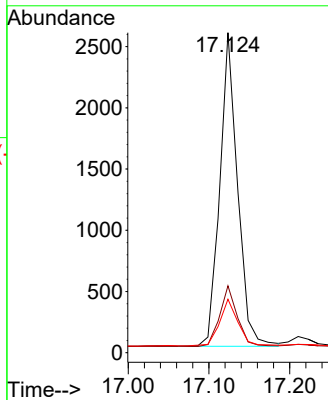
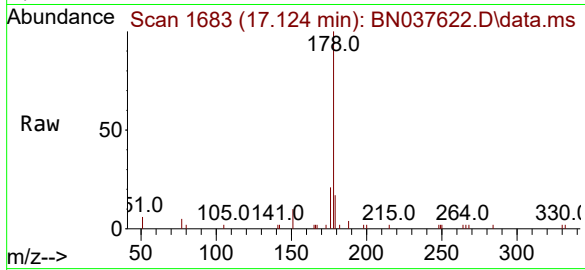




#25  
Phenanthrene  
Concen: 0.258 ng  
RT: 17.124 min Scan# 1683  
Delta R.T. 0.000 min  
Lab File: BN037622.D  
Acq: 20 Aug 2025 06:38

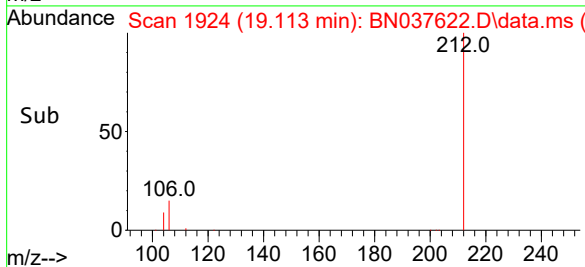
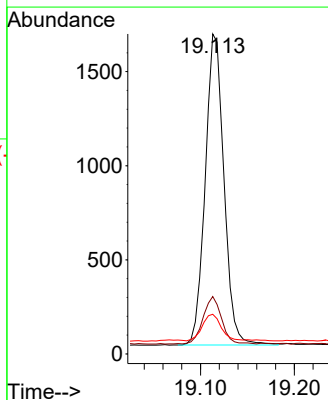
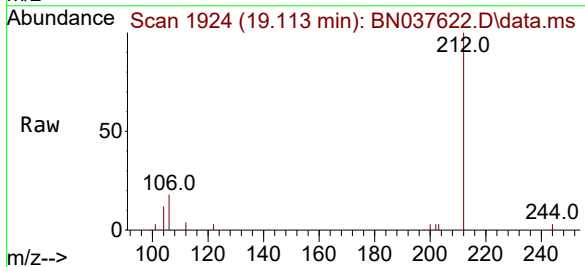
Instrument :  
BNA\_N  
ClientSampleId :  
MW-19B-71.5-081325DL

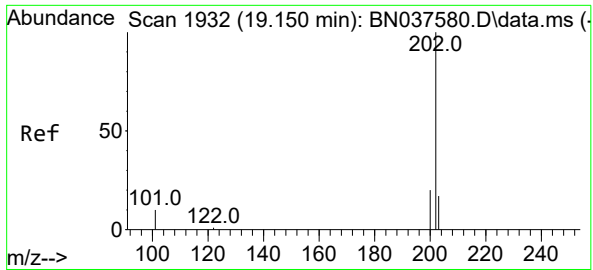
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 178   | Resp: | 3918  |
| Ion      | Ratio | Lower | Upper |
| 178      | 100   |       |       |
| 176      | 19.0  | 15.0  | 22.6  |
| 179      | 16.1  | 12.3  | 18.5  |



#27  
Fluoranthene-d10  
Concen: 0.174 ng  
RT: 19.113 min Scan# 1924  
Delta R.T. -0.009 min  
Lab File: BN037622.D  
Acq: 20 Aug 2025 06:38

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 212   | Resp: | 2294  |
| Ion      | Ratio | Lower | Upper |
| 212      | 100   |       |       |
| 106      | 14.8  | 11.5  | 17.3  |
| 104      | 9.5   | 6.6   | 9.8   |

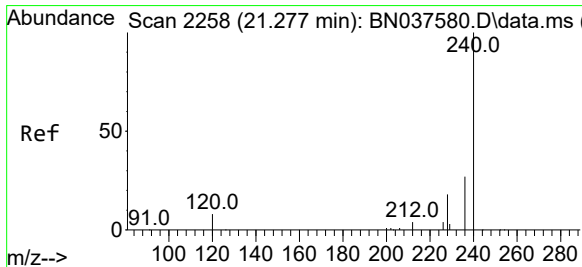
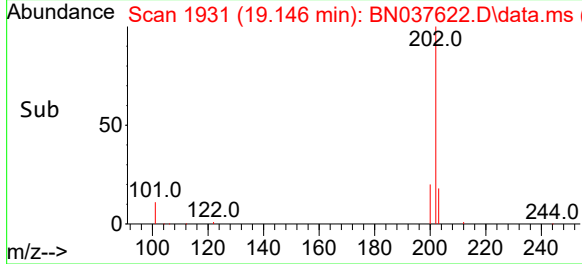
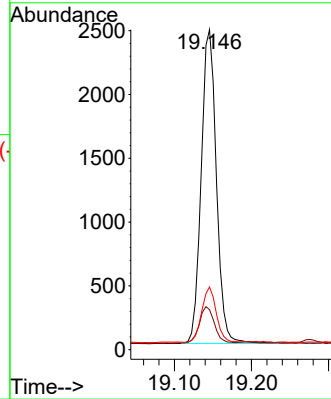
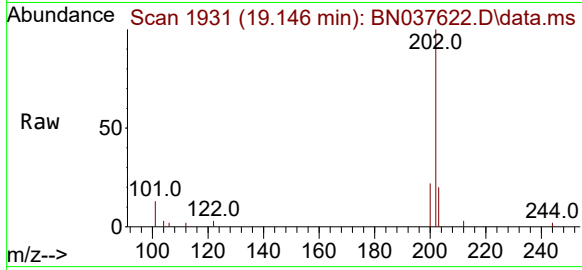




#28  
Fluoranthene  
Concen: 0.193 ng  
RT: 19.146 min Scan# 1932  
Delta R.T. -0.005 min  
Lab File: BN037622.D  
Acq: 20 Aug 2025 06:38

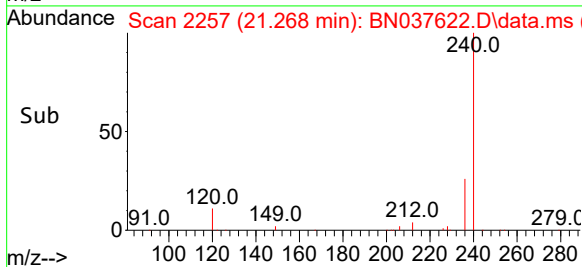
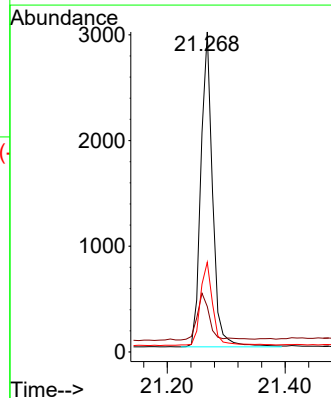
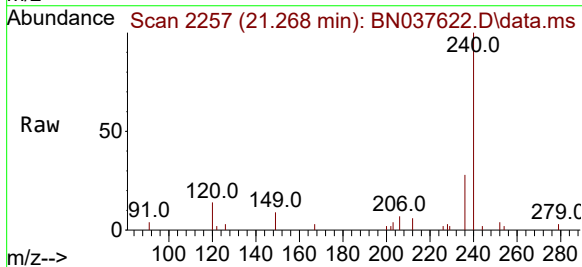
Instrument :  
BNA\_N  
ClientSampleId :  
MW-19B-71.5-081325DL

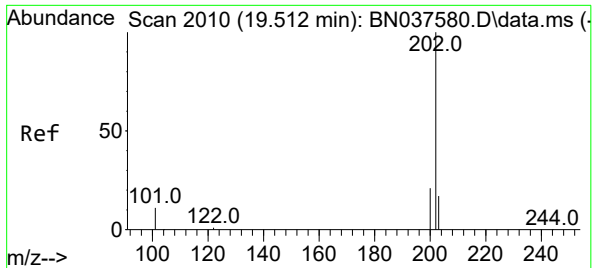
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 202   | Resp: | 3362 |
| Ion Ratio | Lower | Upper |      |
| 202       | 100   |       |      |
| 101       | 11.6  | 9.0   | 13.6 |
| 203       | 16.9  | 13.8  | 20.8 |



#29  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.268 min Scan# 2257  
Delta R.T. -0.009 min  
Lab File: BN037622.D  
Acq: 20 Aug 2025 06:38

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 240   | Resp: | 4107  |
| Ion Ratio | Lower | Upper |       |
| 240       | 100   |       |       |
| 120       | 14.2  | 8.9   | 13.3# |
| 236       | 28.0  | 22.6  | 33.8  |

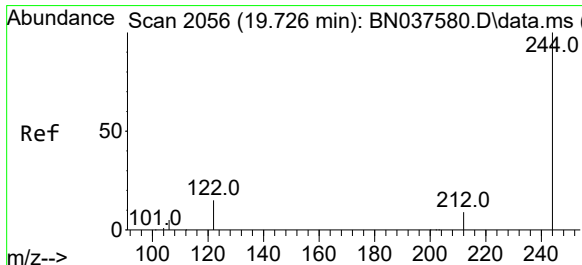
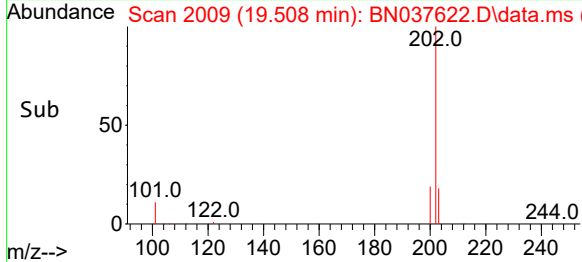
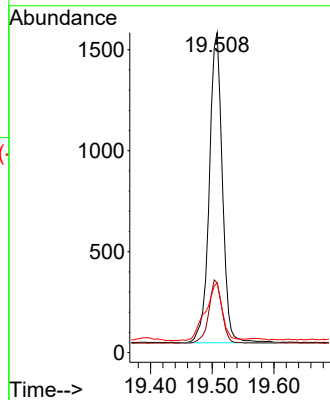
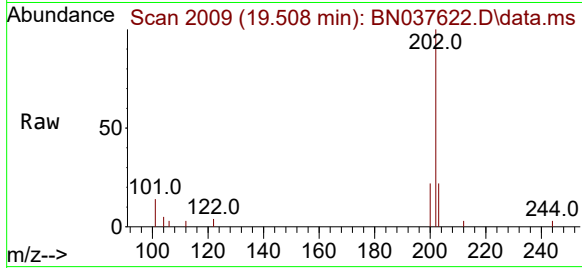




#30  
Pyrene  
Concen: 0.147 ng  
RT: 19.508 min Scan# 2010  
Delta R.T. -0.005 min  
Lab File: BN037622.D  
Acq: 20 Aug 2025 06:38

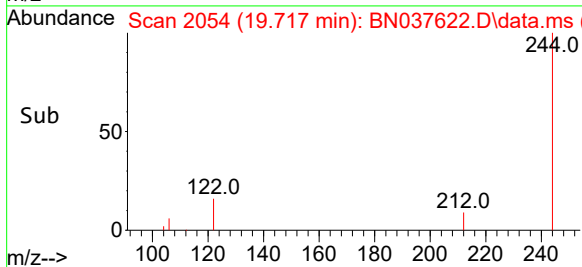
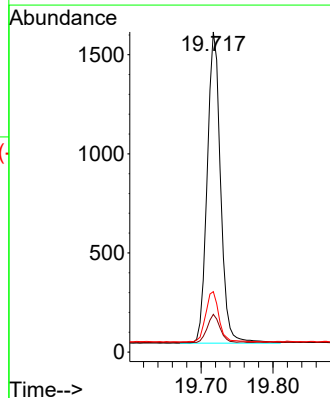
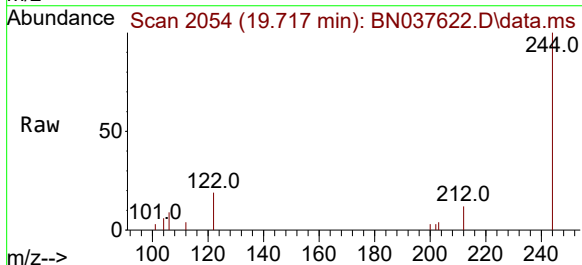
Instrument :  
BNA\_N  
ClientSampleId :  
MW-19B-71.5-081325DL

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 20.3  | 16.6  | 25.0  |
| 203     | 24.1  | 14.3  | 21.5  |

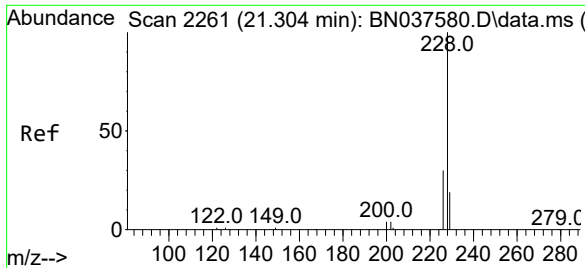


#31  
Terphenyl-d14  
Concen: 0.240 ng  
RT: 19.717 min Scan# 2054  
Delta R.T. -0.009 min  
Lab File: BN037622.D  
Acq: 20 Aug 2025 06:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 11.8  | 8.2   | 12.2  |
| 122     | 18.9  | 13.2  | 19.8  |







#33

Chrysene

Concen: 0.024 ng

RT: 21.304 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN037622.D

Acq: 20 Aug 2025 06:38

Instrument :

BNA\_N

ClientSampleId :

MW-19B-71.5-081325DL

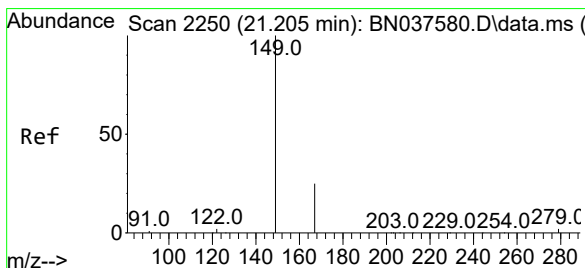
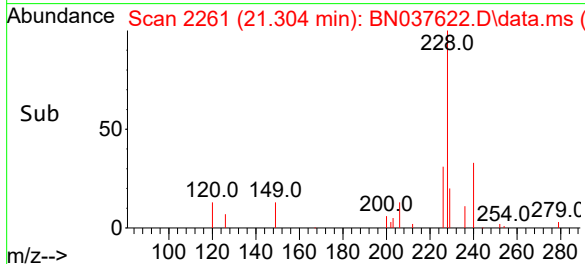
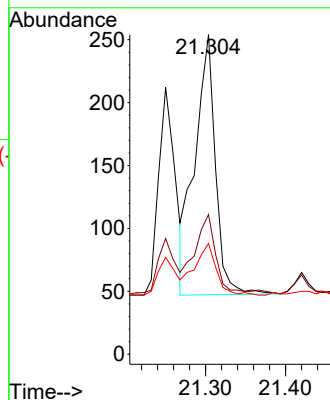
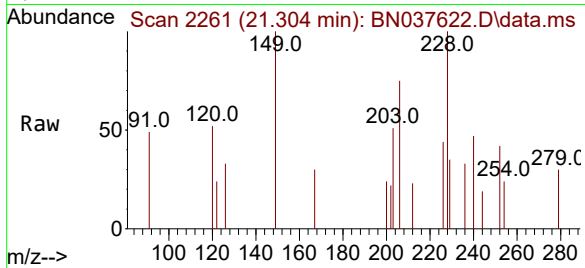
Tgt Ion:228 Resp: 372

Ion Ratio Lower Upper

228 100

226 43.7 24.9 37.3#

229 34.6 15.8 23.8#



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.083 ng

RT: 21.196 min Scan# 2249

Delta R.T. -0.009 min

Lab File: BN037622.D

Acq: 20 Aug 2025 06:38

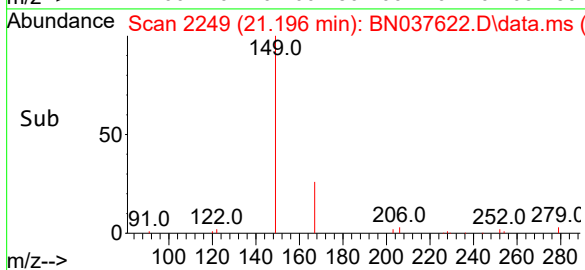
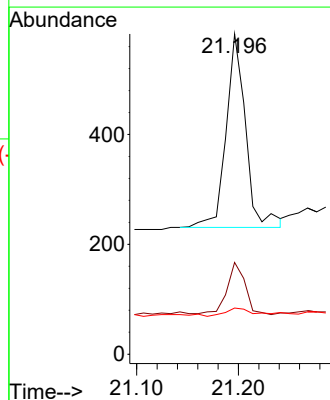
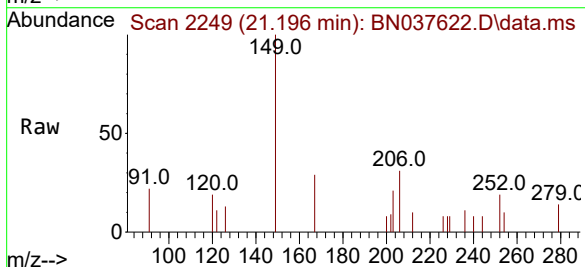
Tgt Ion:149 Resp: 469

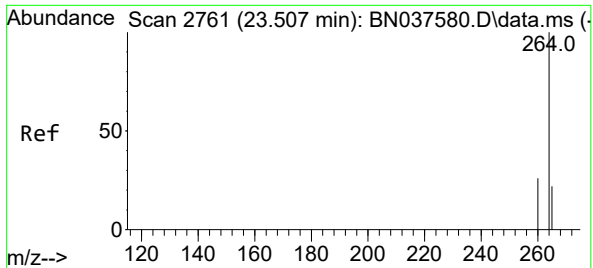
Ion Ratio Lower Upper

149 100

167 25.2 20.5 30.7

279 6.2 2.6 4.0#





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.502 min Scan# 21

Delta R.T. -0.006 min

Lab File: BN037622.D

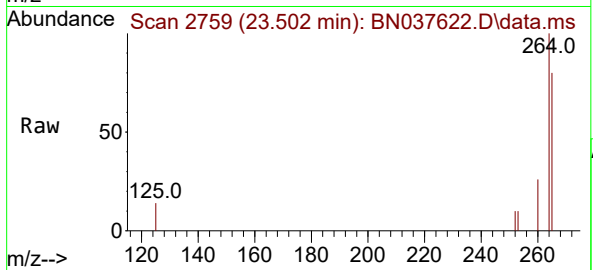
Acq: 20 Aug 2025 06:38

Instrument :

BNA\_N

ClientSampleId :

MW-19B-71.5-081325DL



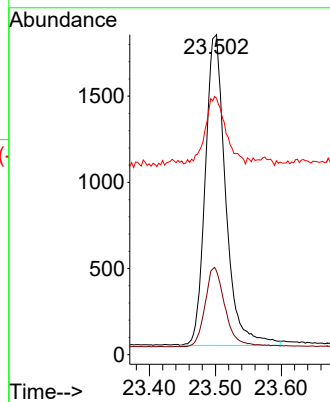
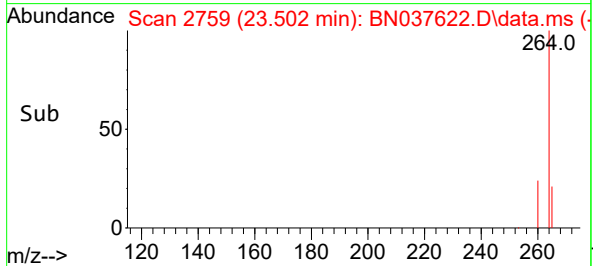
Tgt Ion:264 Resp: 3877

Ion Ratio Lower Upper

264 100

260 26.1 21.6 32.4

265 80.1 48.2 72.4#



Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN081925\  
Data File : BN037609.D  
Acq On : 19 Aug 2025 16:05  
Operator : RC/JU  
Sample : Q2869-03  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
MW-01-6.5-081325

Quant Time: Aug 20 01:27:13 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN081225.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Aug 13 05:00:58 2025  
Response via : Initial Calibration

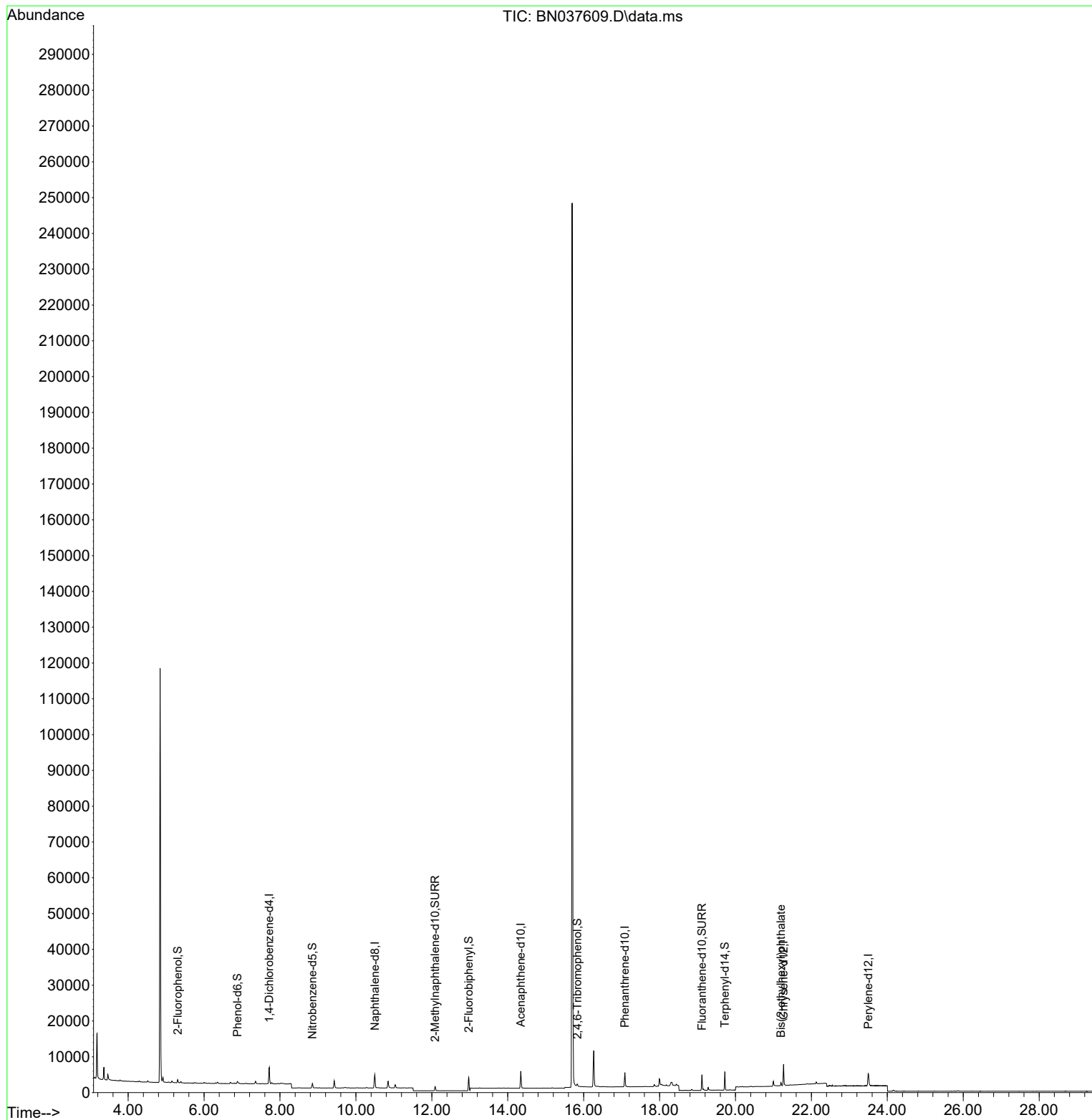
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.717  | 152  | 2151     | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.498 | 136  | 5200     | 0.400 | ng    | 0.00     |
| 13) Acenaphthene-d10          | 14.345 | 164  | 2532     | 0.400 | ng    | 0.00     |
| 19) Phenanthrene-d10          | 17.086 | 188  | 5354     | 0.400 | ng    | 0.00     |
| 29) Chrysene-d12              | 21.268 | 240  | 5202     | 0.400 | ng    | 0.00     |
| 35) Perylene-d12              | 23.502 | 264  | 4969     | 0.400 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.305  | 112  | 653      | 0.134 | ng    | 0.00     |
| 5) Phenol-d6                  | 6.879  | 99   | 484      | 0.082 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 8.854  | 82   | 985      | 0.269 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10   | 12.086 | 152  | 1652     | 0.234 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 15.833 | 330  | 370      | 0.334 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 12.973 | 172  | 4640     | 0.317 | ng    | 0.00     |
| 27) Fluoranthene-d10          | 19.118 | 212  | 4767     | 0.338 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.722 | 244  | 4803     | 0.449 | ng    | 0.00     |
| Target Compounds              |        |      |          |       |       |          |
| 34) Bis(2-ethylhexyl)phtha... | 21.196 | 149  | 929      | 0.130 | ng    | 99       |

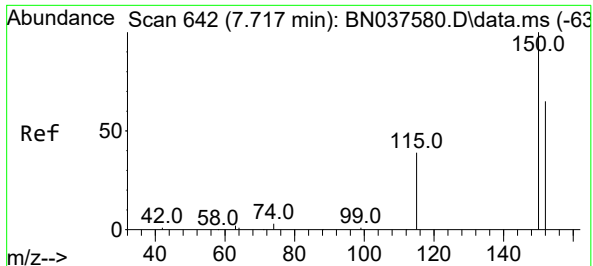
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN081925\  
Data File : BN037609.D  
Acq On : 19 Aug 2025 16:05  
Operator : RC/JU  
Sample : Q2869-03  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
MW-01-6.5-081325

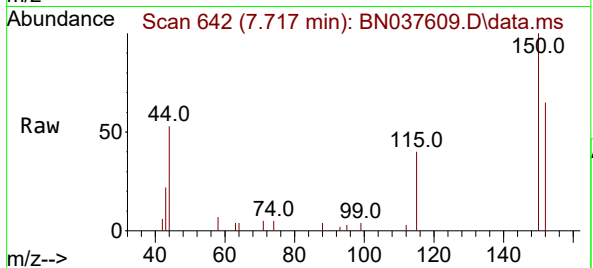
Quant Time: Aug 20 01:27:13 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN081225.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Aug 13 05:00:58 2025  
Response via : Initial Calibration



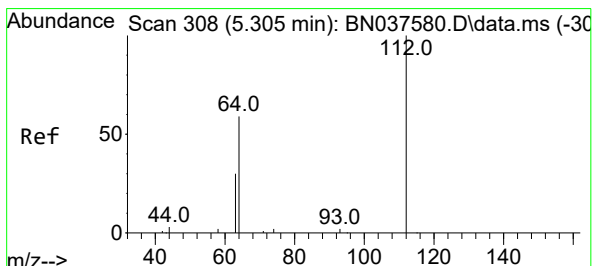
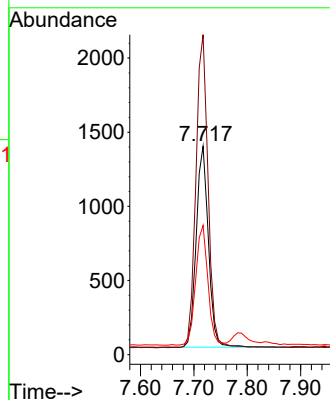
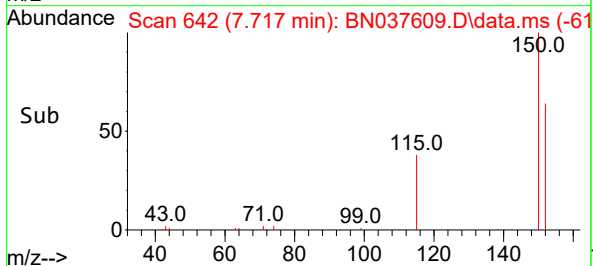


#1  
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.717 min Scan# 642  
Delta R.T. 0.000 min  
Lab File: BN037609.D  
Acq: 19 Aug 2025 16:05

Instrument :  
BNA\_N  
ClientSampleId :  
MW-01-6.5-081325

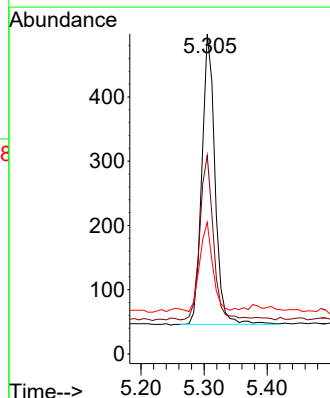
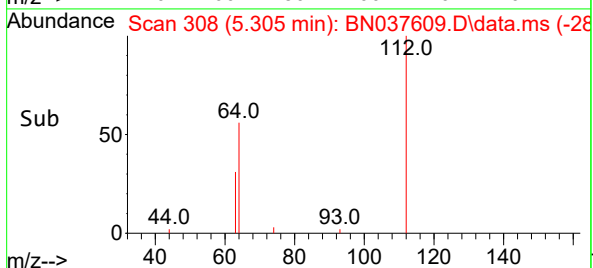
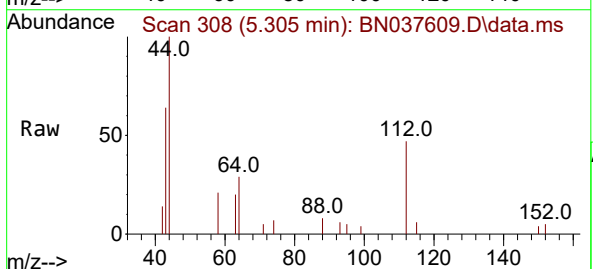


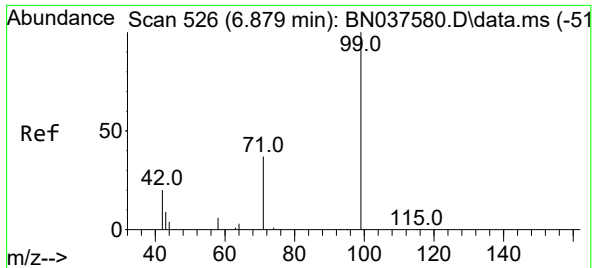
Tgt Ion:152 Resp: 2151  
Ion Ratio Lower Upper  
152 100  
150 153.5 122.2 183.4  
115 62.0 49.8 74.6



#4  
2-Fluorophenol  
Concen: 0.134 ng  
RT: 5.305 min Scan# 308  
Delta R.T. 0.000 min  
Lab File: BN037609.D  
Acq: 19 Aug 2025 16:05

Tgt Ion:112 Resp: 653  
Ion Ratio Lower Upper  
112 100  
64 58.2 44.9 67.3  
63 30.3 23.4 35.2

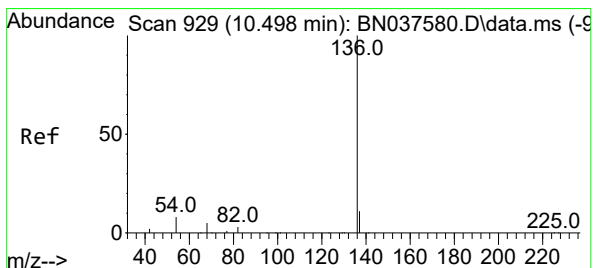
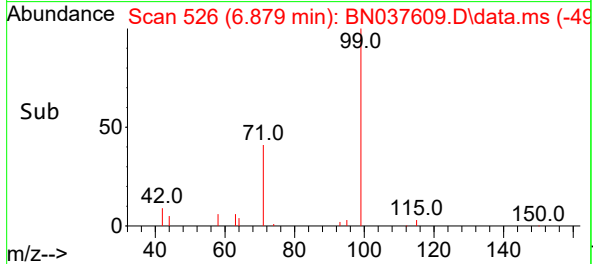
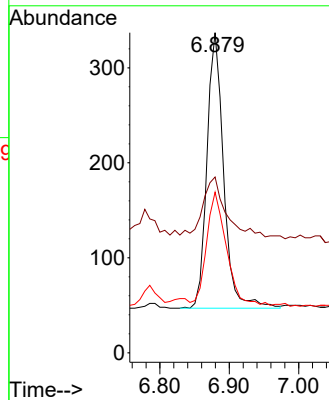
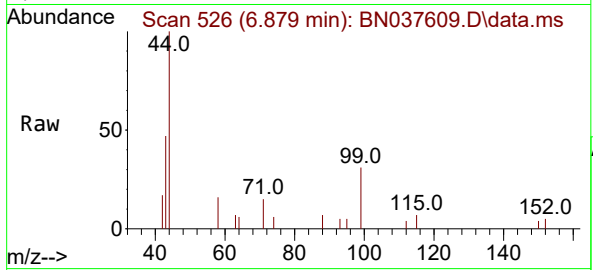




#5  
Phenol-d6  
Concen: 0.082 ng  
RT: 6.879 min Scan# 51  
Delta R.T. 0.000 min  
Lab File: BN037609.D  
Acq: 19 Aug 2025 16:05

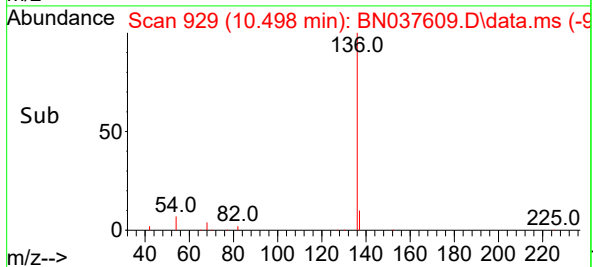
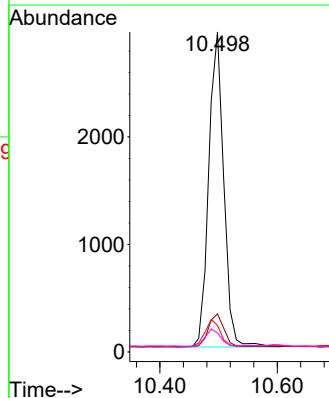
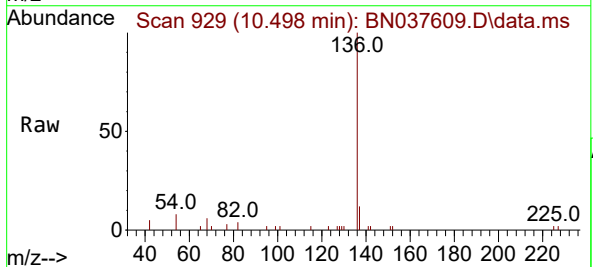
Instrument :  
BNA\_N  
ClientSampleId :  
MW-01-6.5-081325

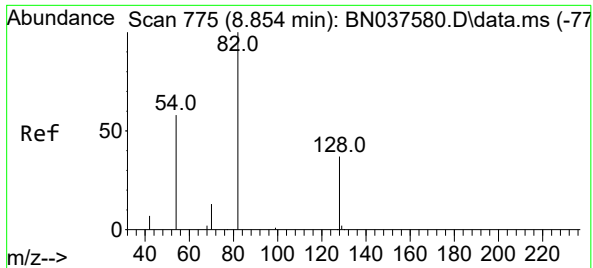
Tgt Ion: 99 Resp: 484  
Ion Ratio Lower Upper  
99 100  
42 32.2 18.5 27.7#  
71 47.1 28.6 42.8#



#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.498 min Scan# 929  
Delta R.T. 0.000 min  
Lab File: BN037609.D  
Acq: 19 Aug 2025 16:05

Tgt Ion: 136 Resp: 5200  
Ion Ratio Lower Upper  
136 100  
137 11.9 9.5 14.3  
54 8.3 7.3 10.9  
68 5.9 5.1 7.7

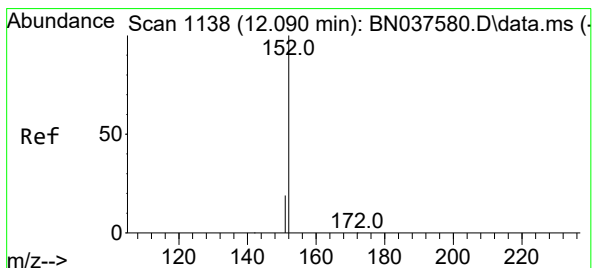
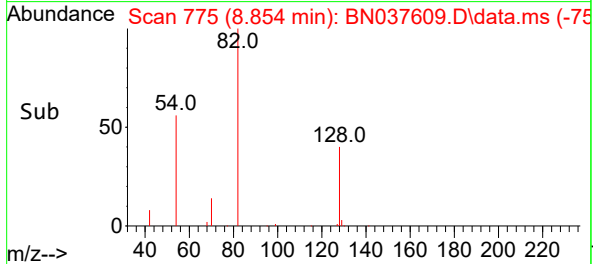
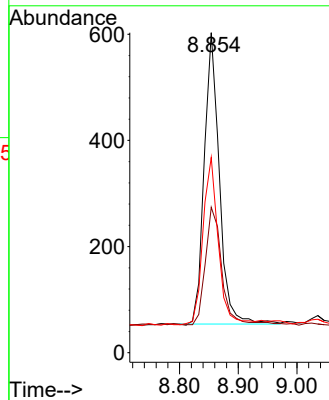
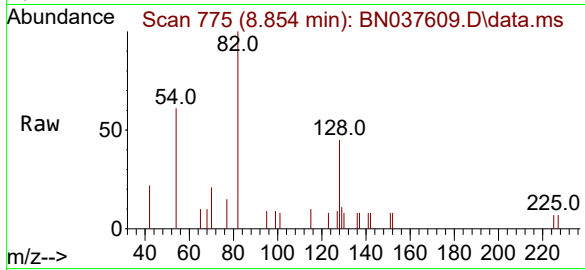




#8  
Nitrobenzene-d5  
Concen: 0.269 ng  
RT: 8.854 min Scan# 71  
Delta R.T. 0.000 min  
Lab File: BN037609.D  
Acq: 19 Aug 2025 16:05

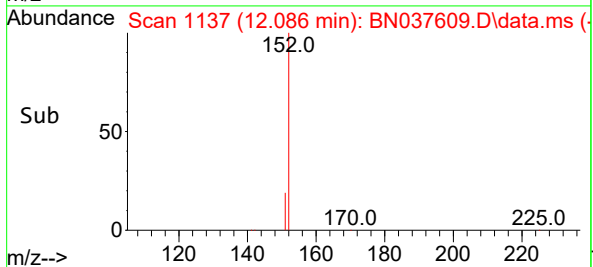
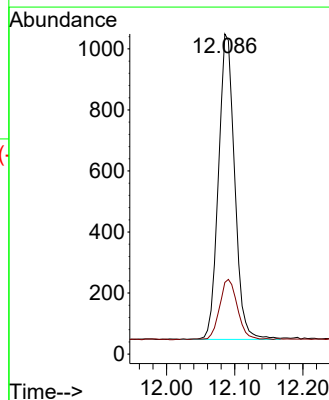
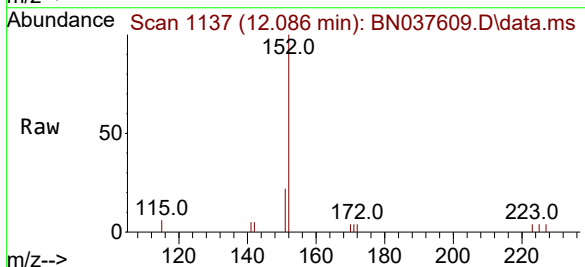
Instrument :  
BNA\_N  
ClientSampleId :  
MW-01-6.5-081325

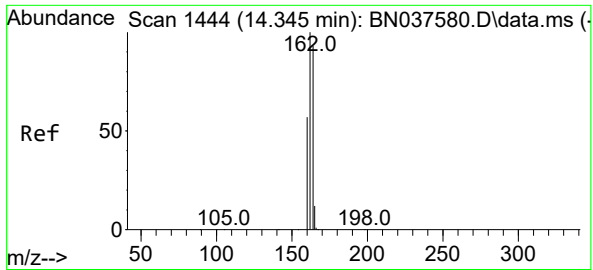
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 82    | Resp: | 985   |
| Ion      | Ratio | Lower | Upper |
| 82       | 100   |       |       |
| 128      | 45.4  | 32.6  | 48.8  |
| 54       | 61.0  | 48.9  | 73.3  |



#11  
2-Methylnaphthalene-d10  
Concen: 0.234 ng  
RT: 12.086 min Scan# 1137  
Delta R.T. -0.005 min  
Lab File: BN037609.D  
Acq: 19 Aug 2025 16:05

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 152   | Resp: | 1652  |
| Ion      | Ratio | Lower | Upper |
| 152      | 100   |       |       |
| 151      | 21.6  | 17.3  | 25.9  |

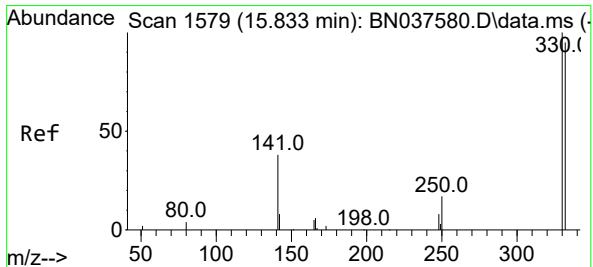
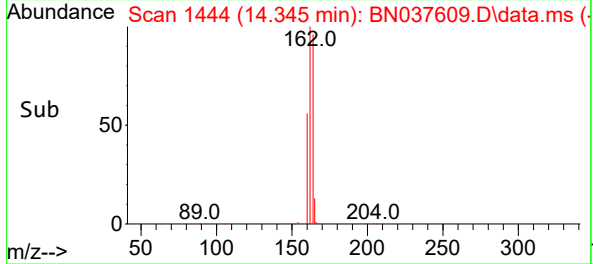
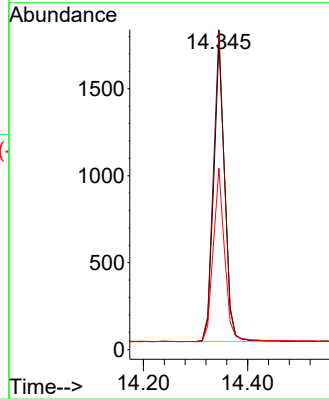
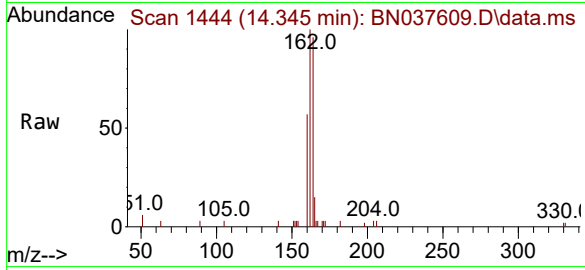




#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.345 min Scan# 1444  
Delta R.T. 0.000 min  
Lab File: BN037609.D  
Acq: 19 Aug 2025 16:05

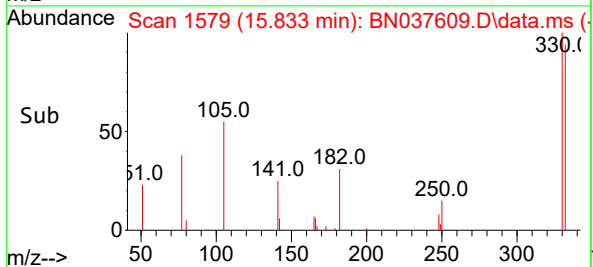
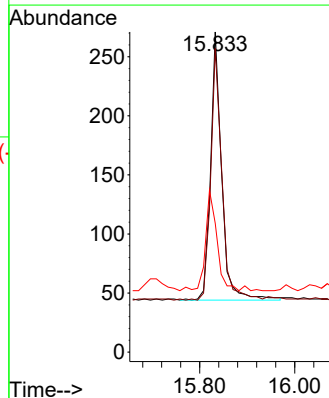
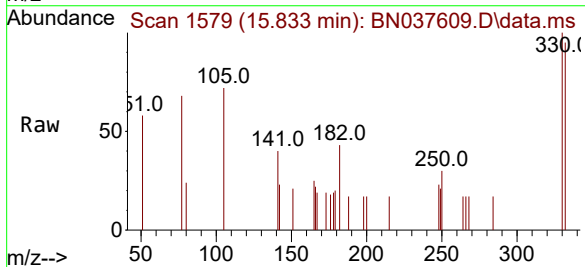
Instrument :  
BNA\_N  
ClientSampleId :  
MW-01-6.5-081325

Tgt Ion:164 Resp: 2532  
Ion Ratio Lower Upper  
164 100  
162 104.2 85.5 128.3  
160 59.1 49.5 74.3

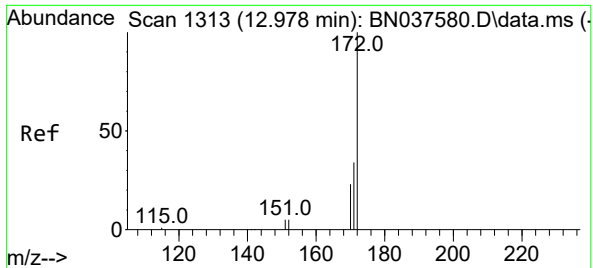


#14  
2,4,6-Tribromophenol  
Concen: 0.334 ng  
RT: 15.833 min Scan# 1579  
Delta R.T. 0.000 min  
Lab File: BN037609.D  
Acq: 19 Aug 2025 16:05

Tgt Ion:330 Resp: 370  
Ion Ratio Lower Upper  
330 100  
332 94.3 77.4 116.0  
141 38.1 30.9 46.3



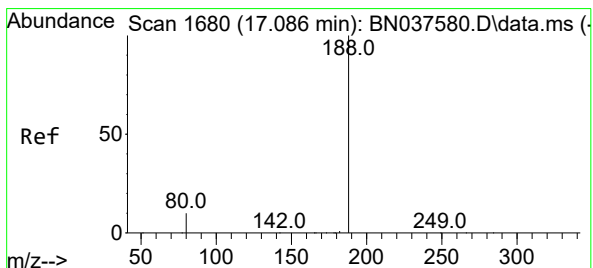
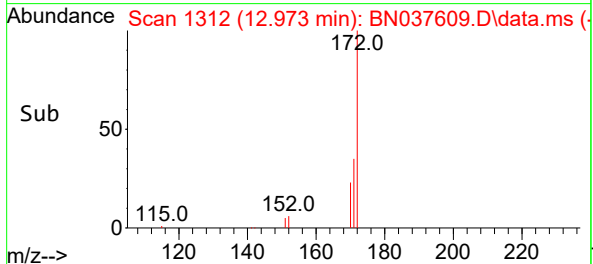
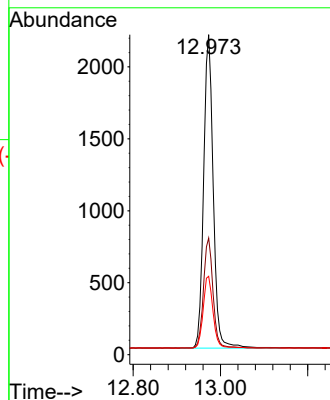
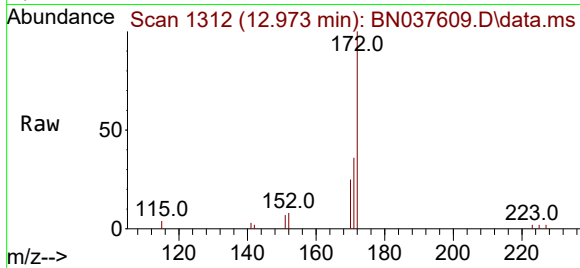




#15  
2-Fluorobiphenyl  
Concen: 0.317 ng  
RT: 12.973 min Scan# 11  
Delta R.T. -0.005 min  
Lab File: BN037609.D  
Acq: 19 Aug 2025 16:05

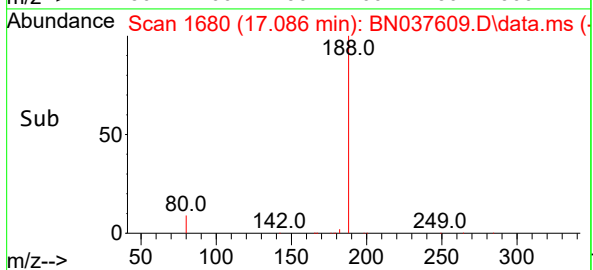
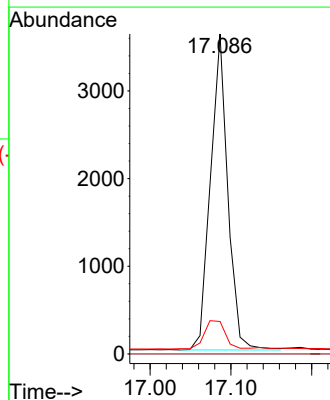
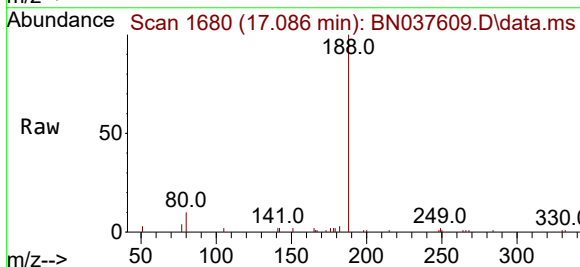
Instrument :  
BNA\_N  
ClientSampleId :  
MW-01-6.5-081325

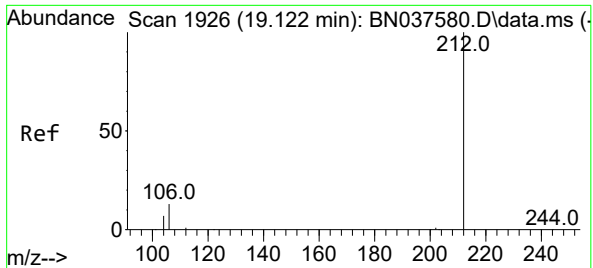
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 172   | Resp: | 4640  |
| Ion      | Ratio | Lower | Upper |
| 172      | 100   |       |       |
| 171      | 36.4  | 28.2  | 42.4  |
| 170      | 24.5  | 19.2  | 28.8  |



#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.086 min Scan# 1680  
Delta R.T. 0.000 min  
Lab File: BN037609.D  
Acq: 19 Aug 2025 16:05

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 188   | Resp: | 5354  |
| Ion      | Ratio | Lower | Upper |
| 188      | 100   |       |       |
| 94       | 0.0   | 0.0   | 0.0   |
| 80       | 10.1  | 9.1   | 13.7  |

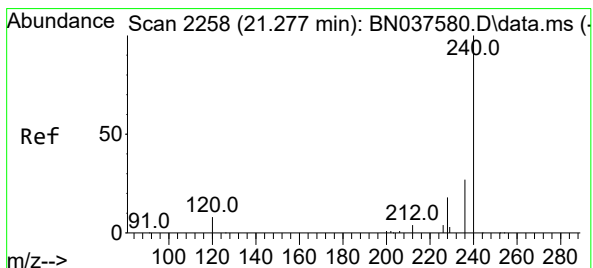
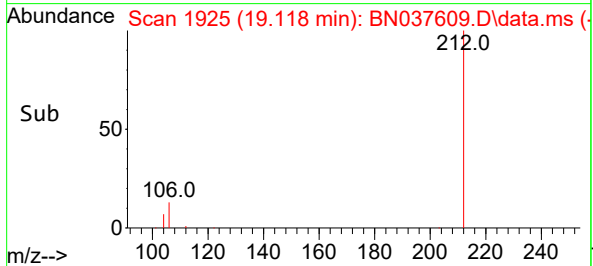
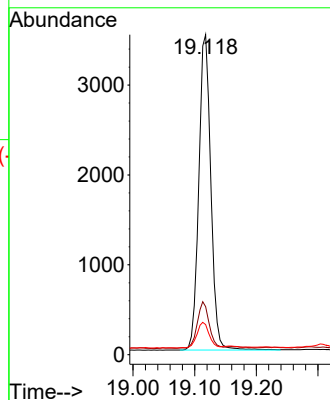
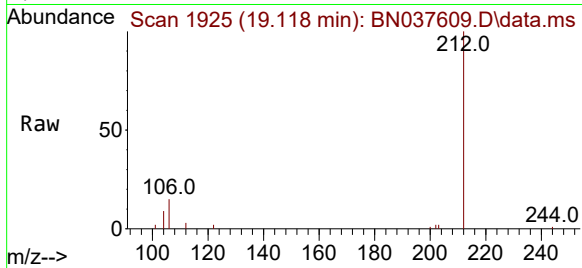




#27  
Fluoranthene-d10  
Concen: 0.338 ng  
RT: 19.118 min Scan# 1925  
Delta R.T. -0.004 min  
Lab File: BN037609.D  
Acq: 19 Aug 2025 16:05

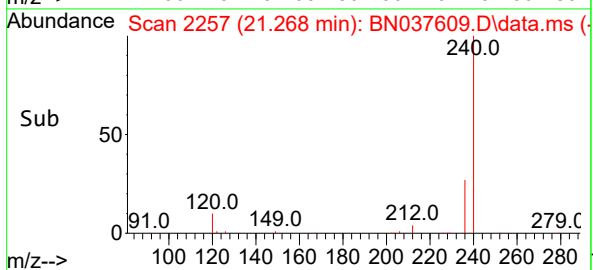
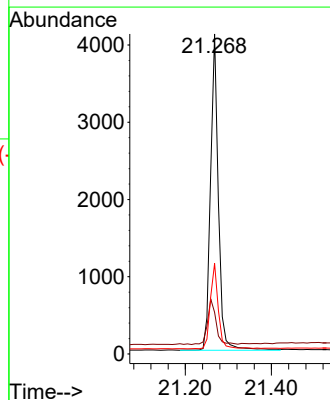
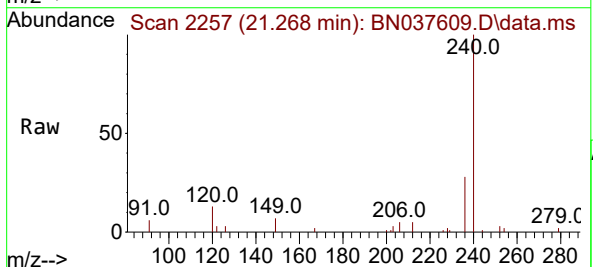
Instrument :  
BNA\_N  
ClientSampleId :  
MW-01-6.5-081325

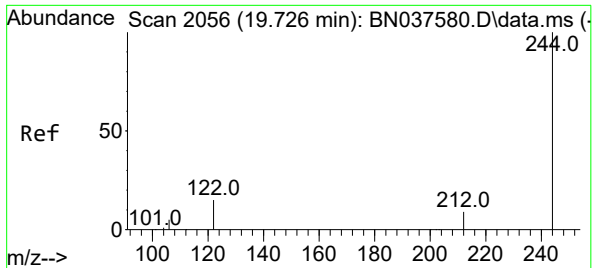
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 212     | 100   |       |       |
| 106     | 14.6  | 11.5  | 17.3  |
| 104     | 8.2   | 6.6   | 9.8   |



#29  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.268 min Scan# 2257  
Delta R.T. -0.009 min  
Lab File: BN037609.D  
Acq: 19 Aug 2025 16:05

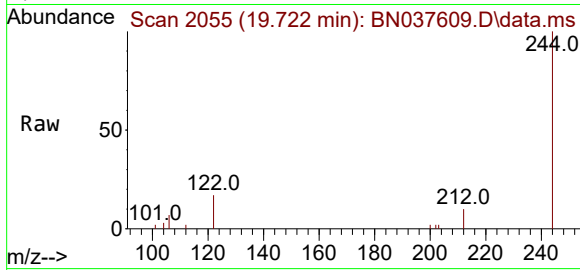
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 13.0  | 8.9   | 13.3  |
| 236     | 28.3  | 22.6  | 33.8  |



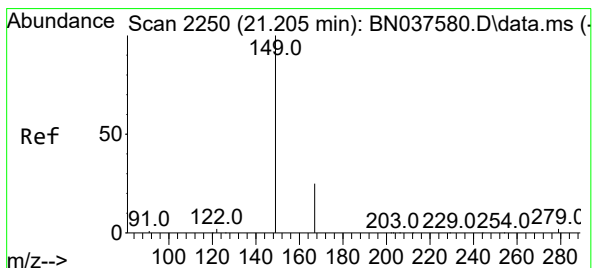
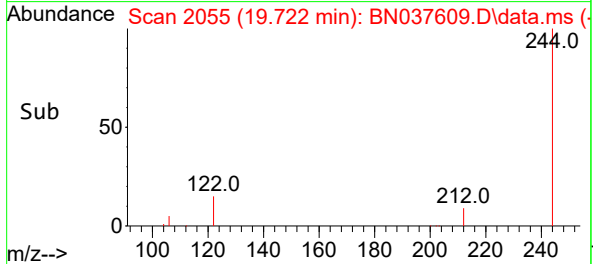
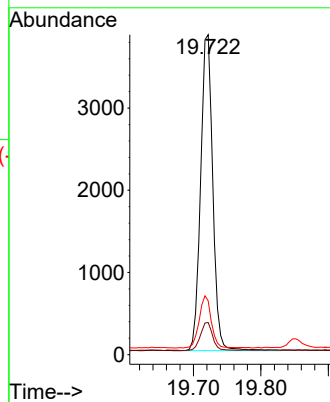


#31  
Terphenyl-d14  
Concen: 0.449 ng  
RT: 19.722 min Scan# 2056  
Delta R.T. -0.004 min  
Lab File: BN037609.D  
Acq: 19 Aug 2025 16:05

Instrument :  
BNA\_N  
ClientSampleId :  
MW-01-6.5-081325

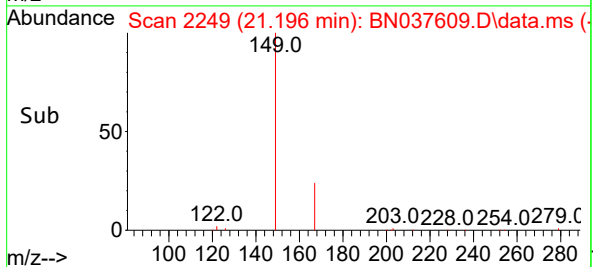
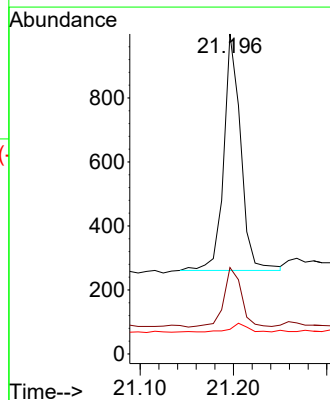
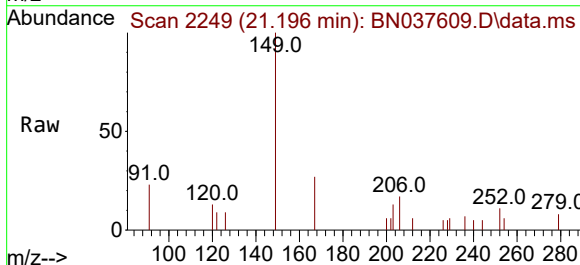


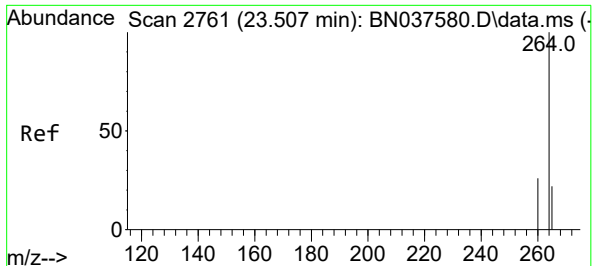
Tgt Ion:244 Resp: 4803  
Ion Ratio Lower Upper  
244 100  
212 10.0 8.2 12.2  
122 16.8 13.2 19.8



#34  
Bis(2-ethylhexyl)phthalate  
Concen: 0.130 ng  
RT: 21.196 min Scan# 2249  
Delta R.T. -0.009 min  
Lab File: BN037609.D  
Acq: 19 Aug 2025 16:05

Tgt Ion:149 Resp: 929  
Ion Ratio Lower Upper  
149 100  
167 26.3 20.5 30.7  
279 3.4 2.6 4.0





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.502 min Scan# 21

Delta R.T. -0.006 min

Lab File: BN037609.D

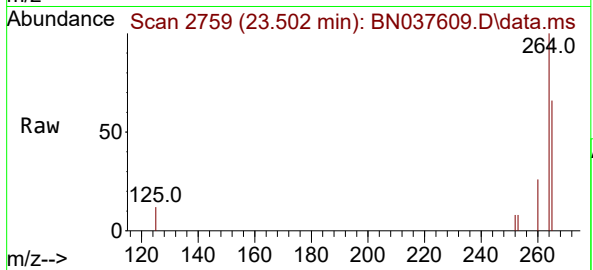
Acq: 19 Aug 2025 16:05

Instrument :

BNA\_N

ClientSampleId :

MW-01-6.5-081325



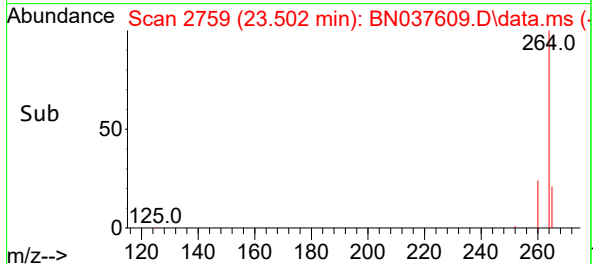
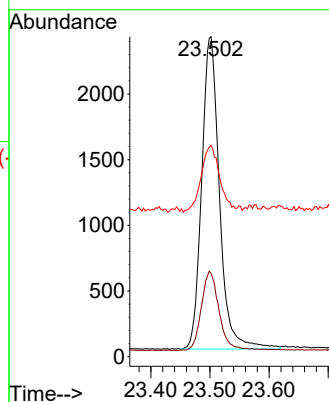
Tgt Ion:264 Resp: 4969

Ion Ratio Lower Upper

264 100

260 26.0 21.6 32.4

265 66.0 48.2 72.4



6

A

B

C

D

E

F

G

H

I

J

K

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN081925\  
 Data File : BN037610.D  
 Acq On : 19 Aug 2025 16:42  
 Operator : RC/JU  
 Sample : Q2869-04  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 MW-11A-13.5-081325

Quant Time: Aug 20 01:27:29 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN081225.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Aug 13 05:00:58 2025  
 Response via : Initial Calibration

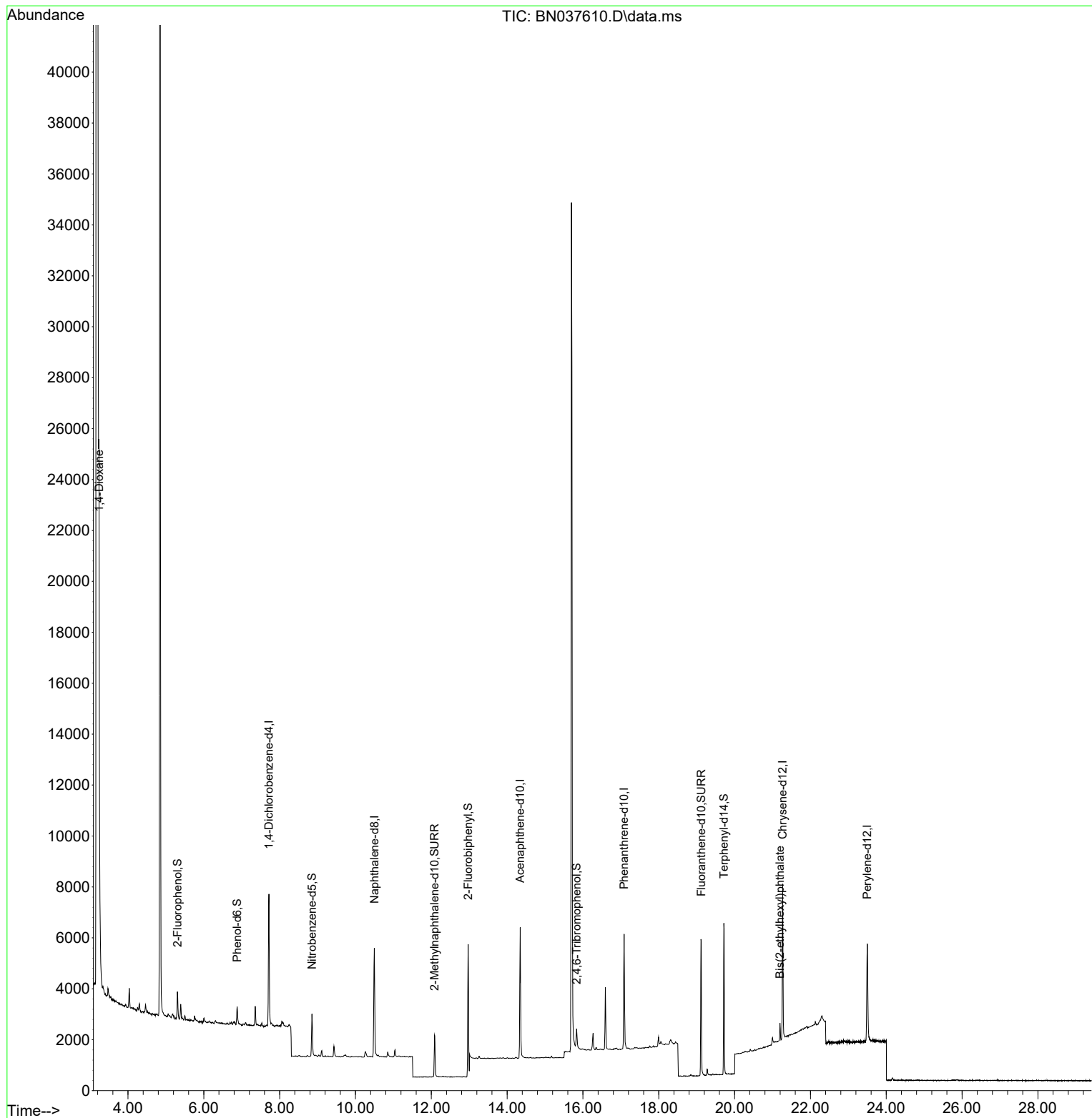
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min)  |
|-------------------------------|--------|------|----------|-------|-------|-----------|
| -----                         |        |      |          |       |       |           |
| Internal Standards            |        |      |          |       |       |           |
| 1) 1,4-Dichlorobenzene-d4     | 7.717  | 152  | 2495     | 0.400 | ng    | 0.00      |
| 7) Naphthalene-d8             | 10.498 | 136  | 6050     | 0.400 | ng    | 0.00      |
| 13) Acenaphthene-d10          | 14.345 | 164  | 2961     | 0.400 | ng    | 0.00      |
| 19) Phenanthrene-d10          | 17.087 | 188  | 6177     | 0.400 | ng    | 0.00      |
| 29) Chrysene-d12              | 21.268 | 240  | 5539     | 0.400 | ng    | # 0.00    |
| 35) Perylene-d12              | 23.499 | 264  | 5233     | 0.400 | ng    | 0.00      |
| System Monitoring Compounds   |        |      |          |       |       |           |
| 4) 2-Fluorophenol             | 5.305  | 112  | 830      | 0.147 | ng    | 0.00      |
| 5) Phenol-d6                  | 6.880  | 99   | 585      | 0.086 | ng    | 0.00      |
| 8) Nitrobenzene-d5            | 8.854  | 82   | 1383     | 0.325 | ng    | 0.00      |
| 11) 2-Methylnaphthalene-d10   | 12.086 | 152  | 2376     | 0.289 | ng    | 0.00      |
| 14) 2,4,6-Tribromophenol      | 15.833 | 330  | 497      | 0.384 | ng    | 0.00      |
| 15) 2-Fluorobiphenyl          | 12.973 | 172  | 6938     | 0.405 | ng    | 0.00      |
| 27) Fluoranthene-d10          | 19.118 | 212  | 6064     | 0.373 | ng    | 0.00      |
| 31) Terphenyl-d14             | 19.717 | 244  | 5707     | 0.501 | ng    | 0.00      |
| Target Compounds              |        |      |          |       |       |           |
| 2) 1,4-Dioxane                | 3.240  | 88   | 5375     | 2.252 | ng    | Qvalue 97 |
| 34) Bis(2-ethylhexyl)phtha... | 21.196 | 149  | 628      | 0.082 | ng    | # 96      |
| -----                         |        |      |          |       |       |           |

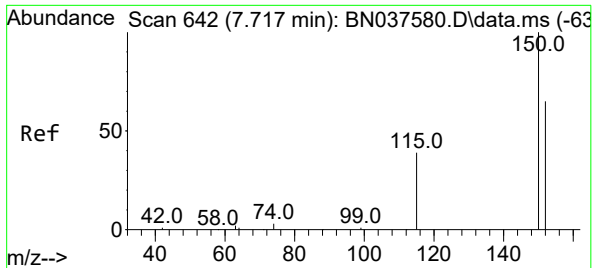
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN081925\  
Data File : BN037610.D  
Acq On : 19 Aug 2025 16:42  
Operator : RC/JU  
Sample : Q2869-04  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
MW-11A-13.5-081325

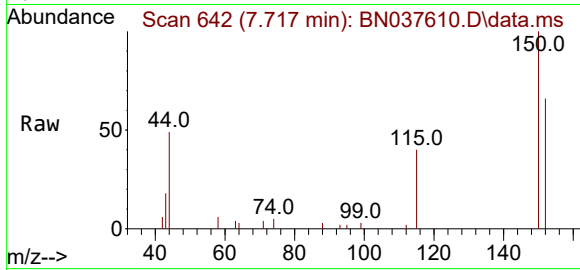
Quant Time: Aug 20 01:27:29 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN081225.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Aug 13 05:00:58 2025  
Response via : Initial Calibration



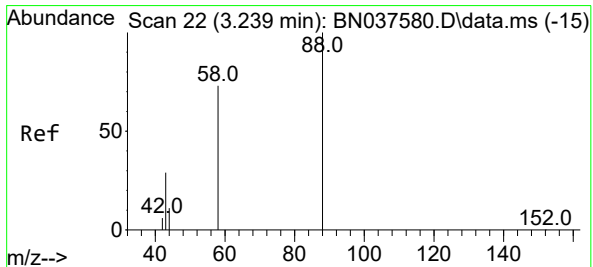
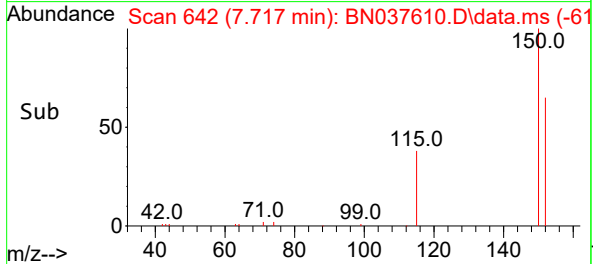
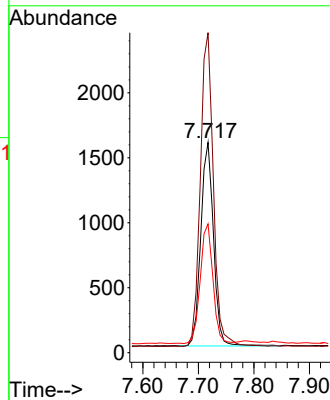


#1  
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.717 min Scan# 64  
Delta R.T. 0.000 min  
Lab File: BN037610.D  
Acq: 19 Aug 2025 16:42

Instrument :  
BNA\_N  
ClientSampleId :  
MW-11A-13.5-081325

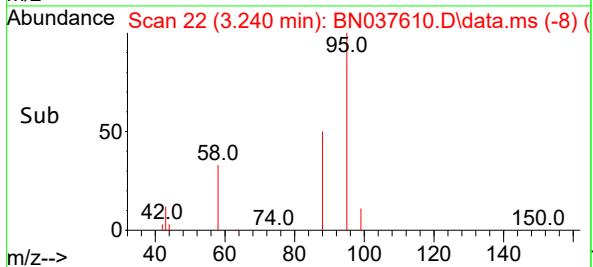
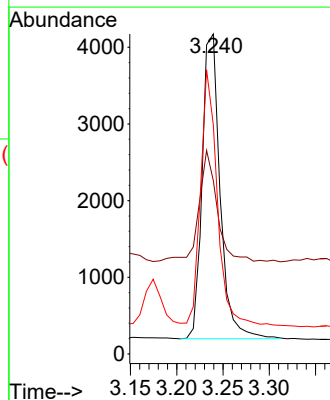
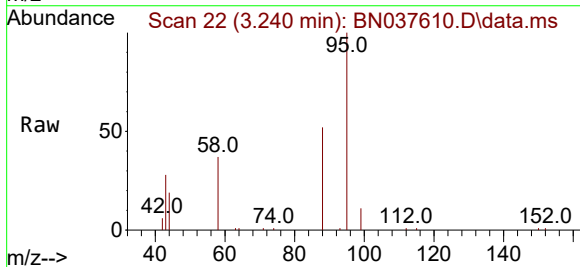


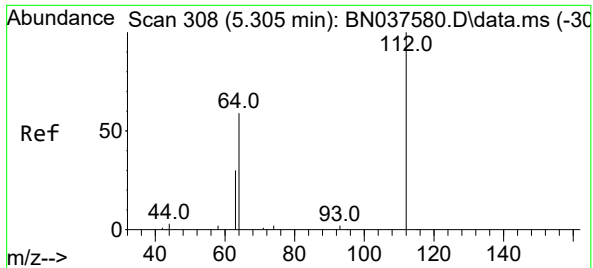
Tgt Ion:152 Resp: 2495  
Ion Ratio Lower Upper  
152 100  
150 152.2 122.2 183.4  
115 61.2 49.8 74.6



#2  
1,4-Dioxane  
Concen: 2.252 ng  
RT: 3.240 min Scan# 22  
Delta R.T. 0.000 min  
Lab File: BN037610.D  
Acq: 19 Aug 2025 16:42

Tgt Ion: 88 Resp: 5375  
Ion Ratio Lower Upper  
88 100  
43 37.3 25.8 38.6  
58 77.5 61.2 91.8

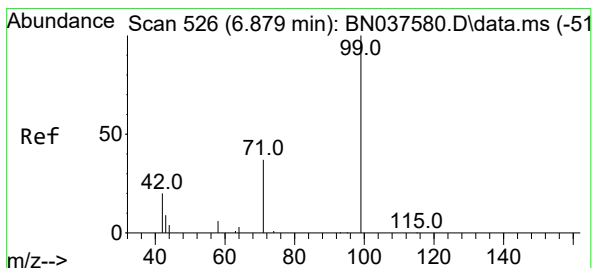
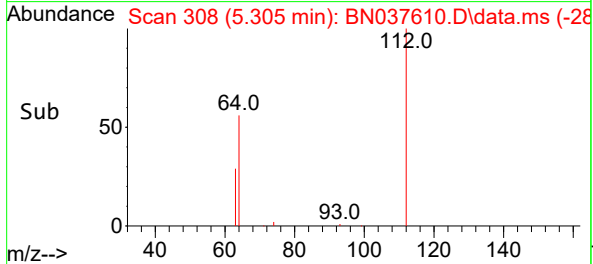
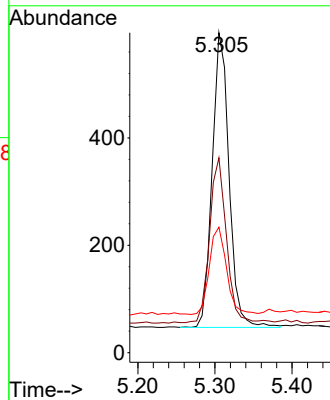
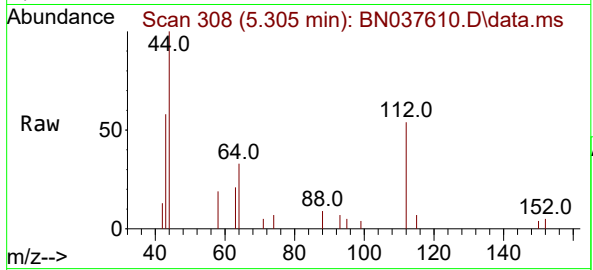




#4  
2-Fluorophenol  
Concen: 0.147 ng  
RT: 5.305 min Scan# 308  
Delta R.T. 0.000 min  
Lab File: BN037610.D  
Acq: 19 Aug 2025 16:42

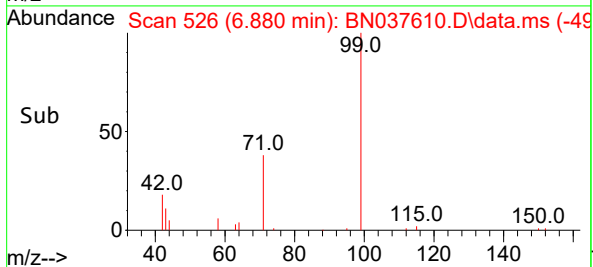
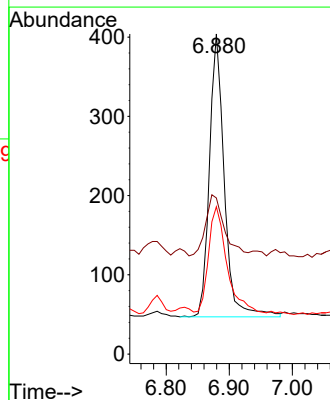
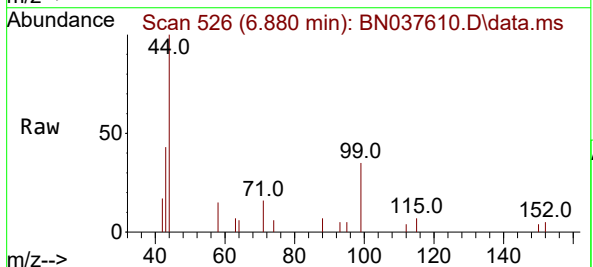
Instrument :  
BNA\_N  
ClientSampleId :  
MW-11A-13.5-081325

Tgt Ion:112 Resp: 830  
Ion Ratio Lower Upper  
112 100  
64 56.7 44.9 67.3  
63 30.2 23.4 35.2

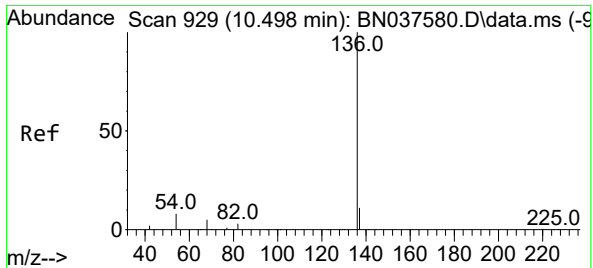


#5  
Phenol-d6  
Concen: 0.086 ng  
RT: 6.880 min Scan# 526  
Delta R.T. 0.000 min  
Lab File: BN037610.D  
Acq: 19 Aug 2025 16:42

Tgt Ion: 99 Resp: 585  
Ion Ratio Lower Upper  
99 100  
42 26.7 18.5 27.7  
71 46.0 28.6 42.8#



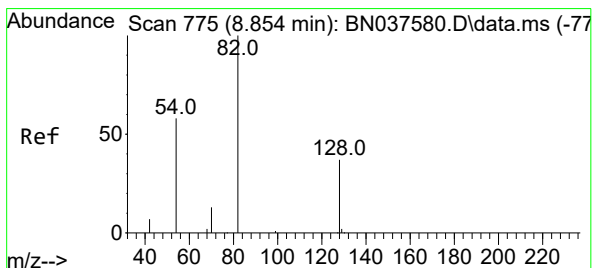
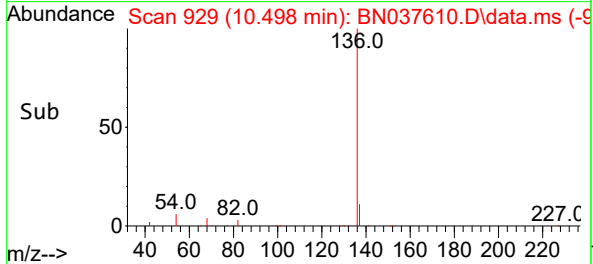
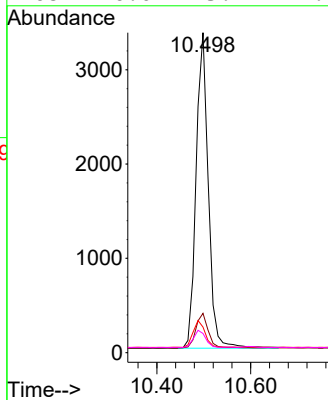
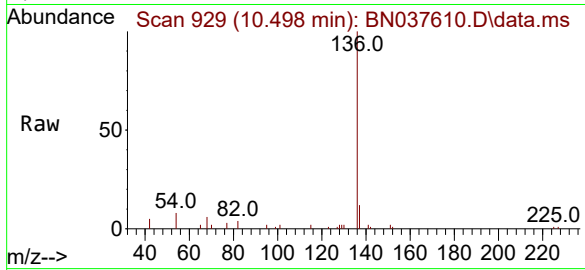




#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.498 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: BN037610.D  
Acq: 19 Aug 2025 16:42

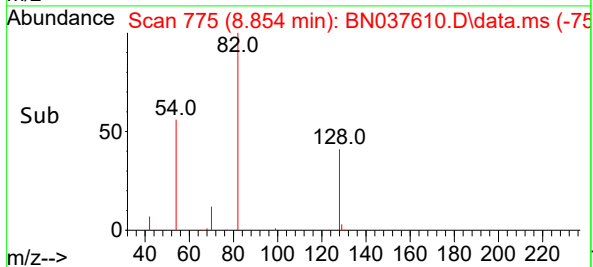
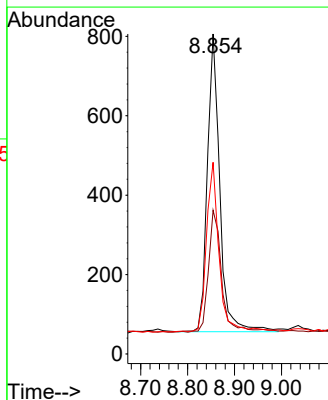
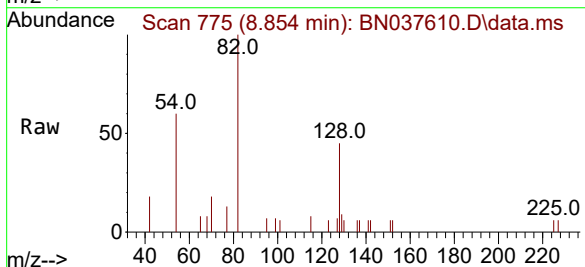
Instrument :  
BNA\_N  
ClientSampleId :  
MW-11A-13.5-081325

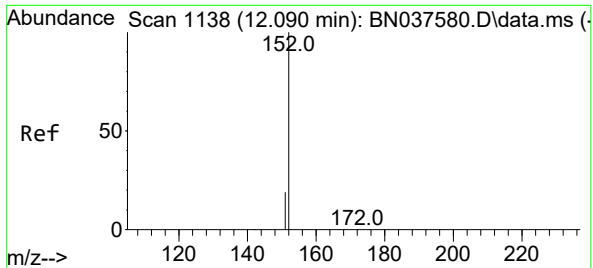
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 136   | Resp: | 6050  |
| Ion      | Ratio | Lower | Upper |
| 136      | 100   |       |       |
| 137      | 12.3  | 9.5   | 14.3  |
| 54       | 8.0   | 7.3   | 10.9  |
| 68       | 6.0   | 5.1   | 7.7   |



#8  
Nitrobenzene-d5  
Concen: 0.325 ng  
RT: 8.854 min Scan# 775  
Delta R.T. 0.000 min  
Lab File: BN037610.D  
Acq: 19 Aug 2025 16:42

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 82    | Resp: | 1383  |
| Ion      | Ratio | Lower | Upper |
| 82       | 100   |       |       |
| 128      | 44.9  | 32.6  | 48.8  |
| 54       | 59.9  | 48.9  | 73.3  |

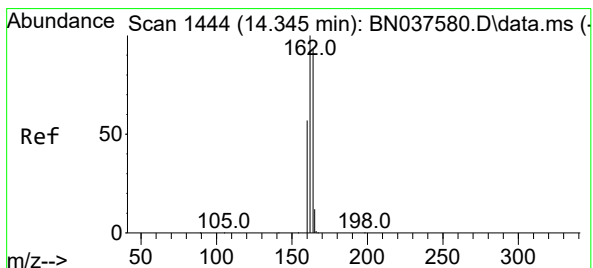
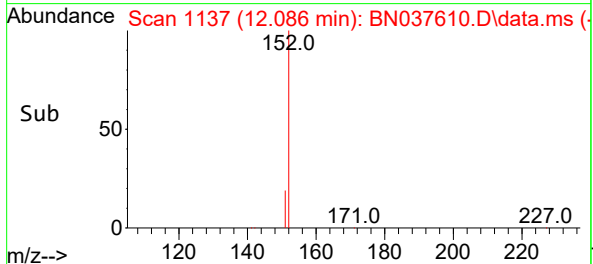
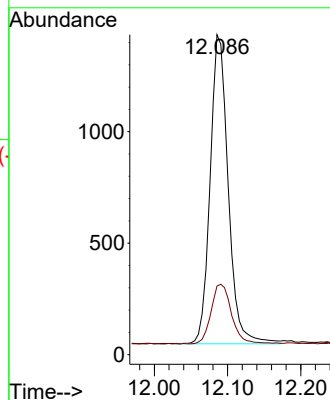
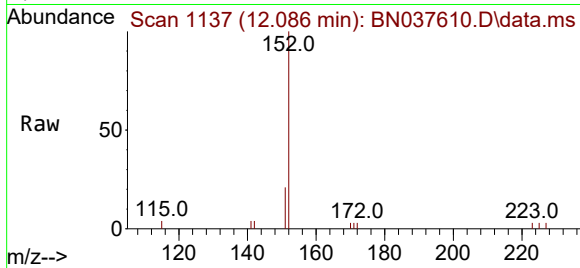




#11  
2-Methylnaphthalene-d10  
Concen: 0.289 ng  
RT: 12.086 min Scan# 1137  
Delta R.T. -0.005 min  
Lab File: BN037610.D  
Acq: 19 Aug 2025 16:42

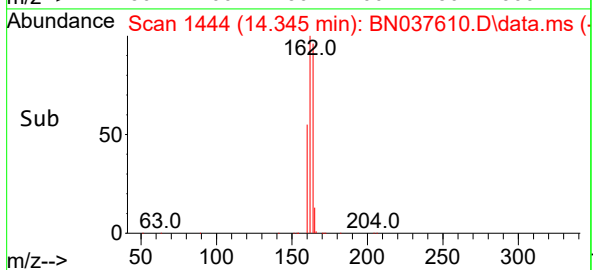
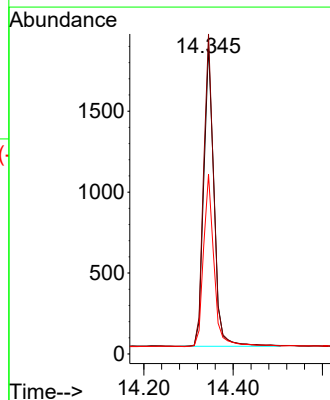
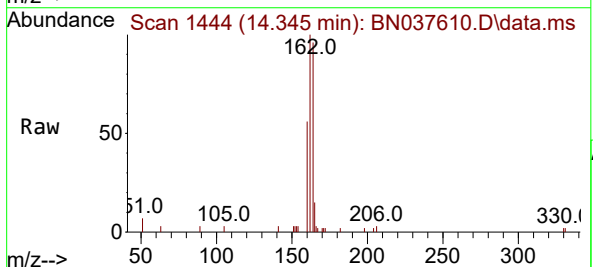
Instrument :  
BNA\_N  
ClientSampleId :  
MW-11A-13.5-081325

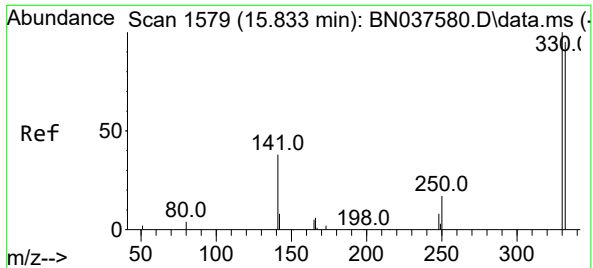
Tgt Ion:152 Resp: 2376  
Ion Ratio Lower Upper  
152 100  
151 21.8 17.3 25.9



#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.345 min Scan# 1444  
Delta R.T. 0.000 min  
Lab File: BN037610.D  
Acq: 19 Aug 2025 16:42

Tgt Ion:164 Resp: 2961  
Ion Ratio Lower Upper  
164 100  
162 103.7 85.5 128.3  
160 58.2 49.5 74.3

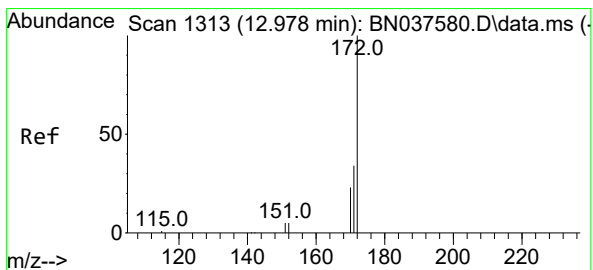
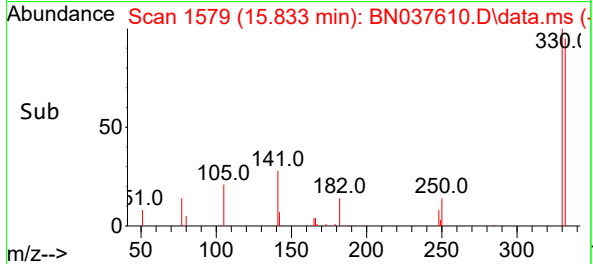
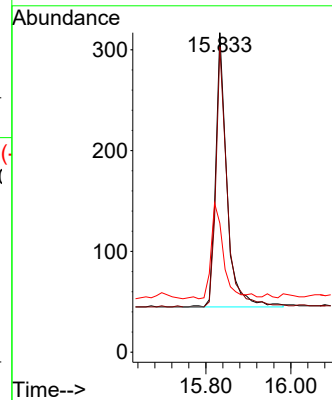
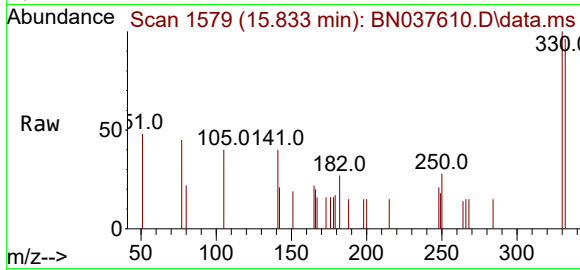




#14  
2,4,6-Tribromophenol  
Concen: 0.384 ng  
RT: 15.833 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BN037610.D  
Acq: 19 Aug 2025 16:42

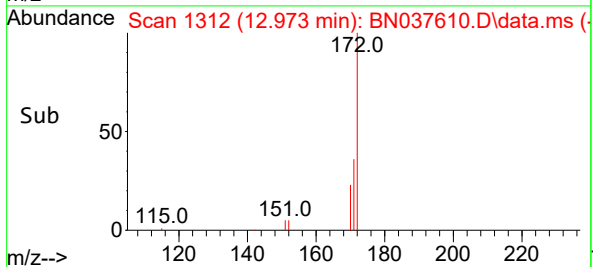
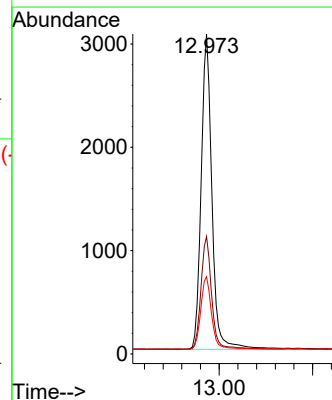
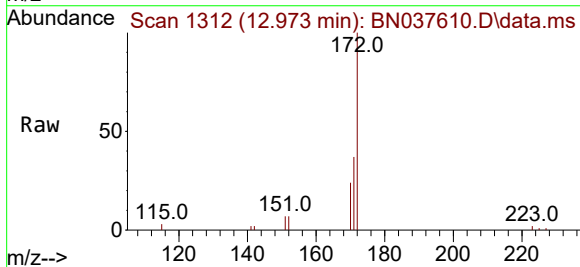
Instrument :  
BNA\_N  
ClientSampleId :  
MW-11A-13.5-081325

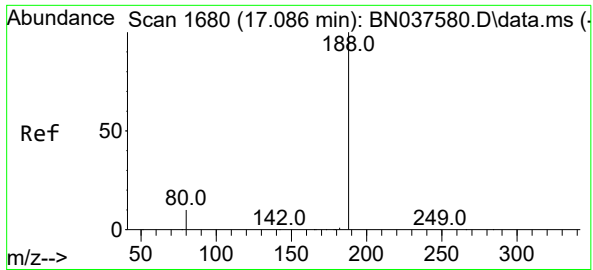
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 330   | Resp: | 497   |
| Ion      | Ratio | Lower | Upper |
| 330      | 100   |       |       |
| 332      | 94.6  | 77.4  | 116.0 |
| 141      | 39.6  | 30.9  | 46.3  |



#15  
2-Fluorobiphenyl  
Concen: 0.405 ng  
RT: 12.973 min Scan# 1312  
Delta R.T. -0.005 min  
Lab File: BN037610.D  
Acq: 19 Aug 2025 16:42

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 172   | Resp: | 6938  |
| Ion      | Ratio | Lower | Upper |
| 172      | 100   |       |       |
| 171      | 36.7  | 28.2  | 42.4  |
| 170      | 24.2  | 19.2  | 28.8  |





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.087 min Scan# 1

Delta R.T. 0.000 min

Lab File: BN037610.D

Acq: 19 Aug 2025 16:42

Instrument :

BNA\_N

ClientSampleId :

MW-11A-13.5-081325

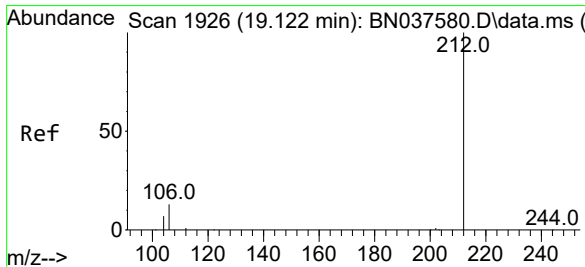
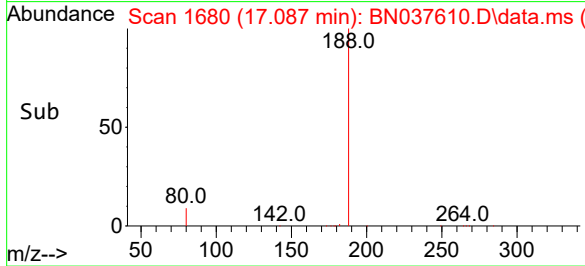
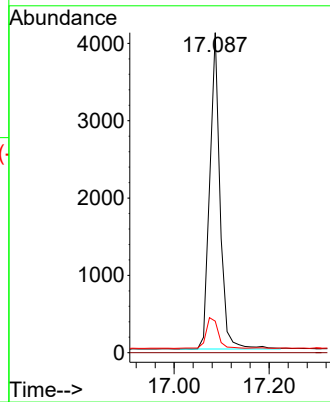
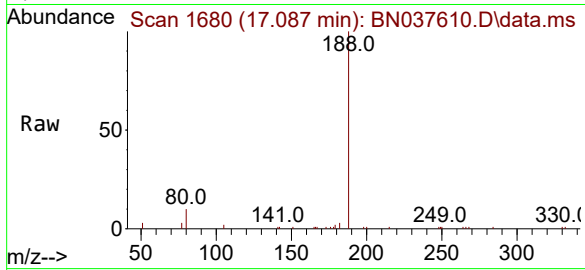
Tgt Ion:188 Resp: 6177

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 9.8 9.1 13.7



#27

Fluoranthene-d10

Concen: 0.373 ng

RT: 19.118 min Scan# 1925

Delta R.T. -0.004 min

Lab File: BN037610.D

Acq: 19 Aug 2025 16:42

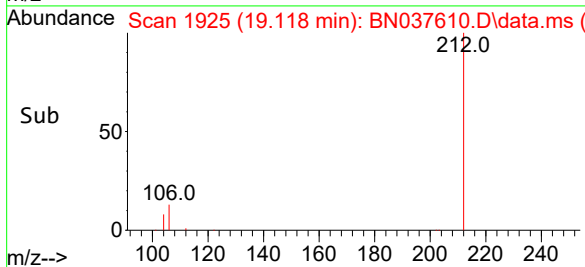
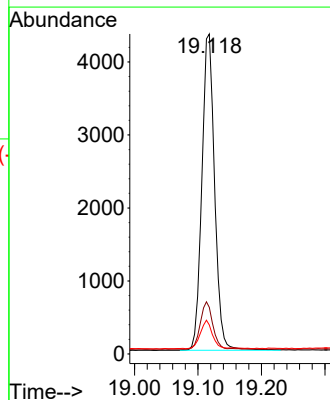
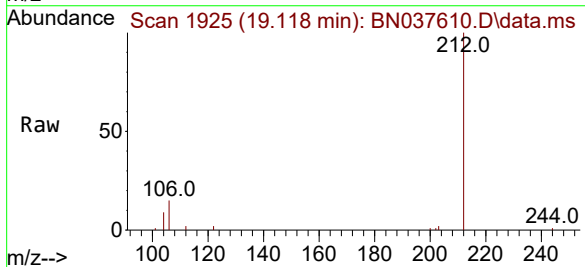
Tgt Ion:212 Resp: 6064

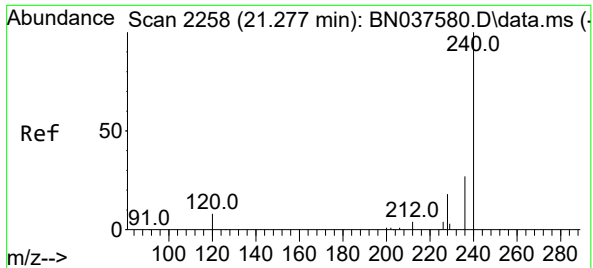
Ion Ratio Lower Upper

212 100

106 14.7 11.5 17.3

104 8.5 6.6 9.8





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.268 min Scan# 21

Delta R.T. -0.009 min

Lab File: BN037610.D

Acq: 19 Aug 2025 16:42

Instrument :

BNA\_N

ClientSampleId :

MW-11A-13.5-081325

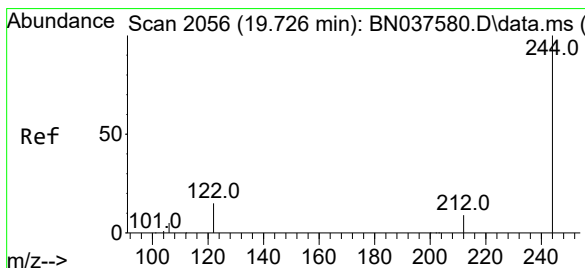
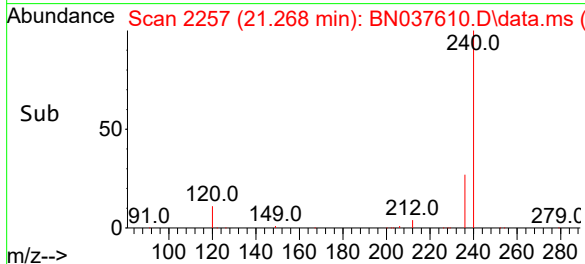
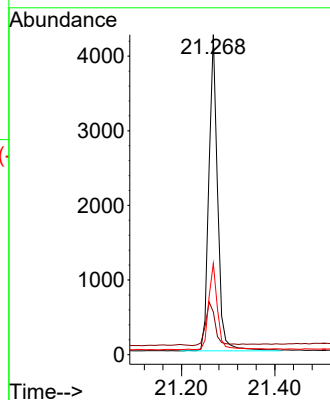
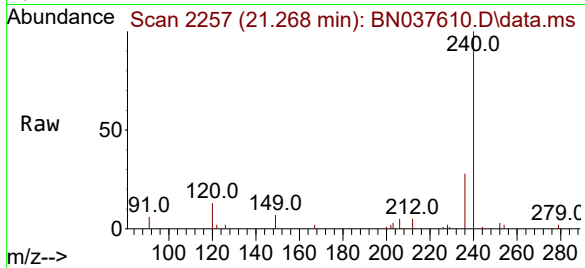
Tgt Ion:240 Resp: 5539

Ion Ratio Lower Upper

240 100

120 13.4 8.9 13.3#

236 28.5 22.6 33.8



#31

Terphenyl-d14

Concen: 0.501 ng

RT: 19.717 min Scan# 2054

Delta R.T. -0.009 min

Lab File: BN037610.D

Acq: 19 Aug 2025 16:42

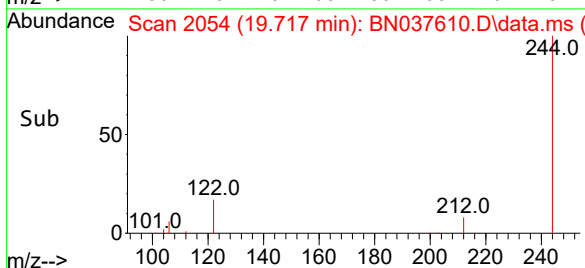
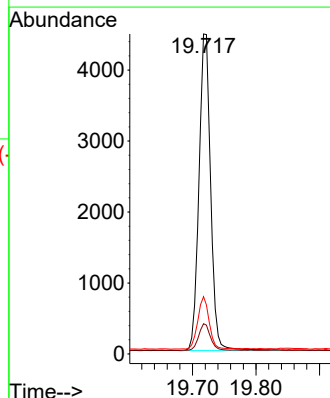
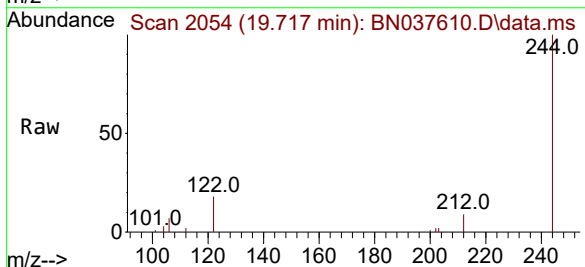
Tgt Ion:244 Resp: 5707

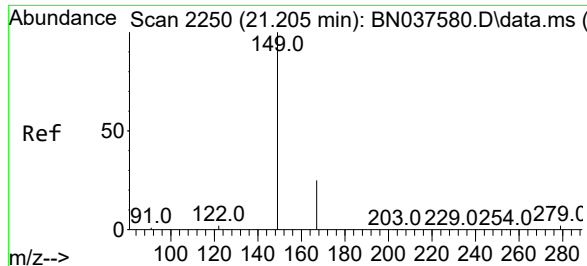
Ion Ratio Lower Upper

244 100

212 9.4 8.2 12.2

122 17.9 13.2 19.8





#34

Bis(2-ethylhexyl)phthalate

Concen: 0.082 ng

RT: 21.196 min Scan# 21

Delta R.T. -0.009 min

Lab File: BN037610.D

Acq: 19 Aug 2025 16:42

Instrument :

BNA\_N

ClientSampleId :

MW-11A-13.5-081325

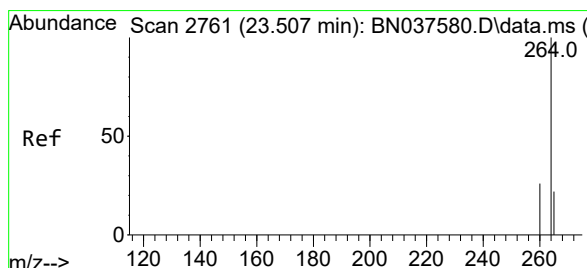
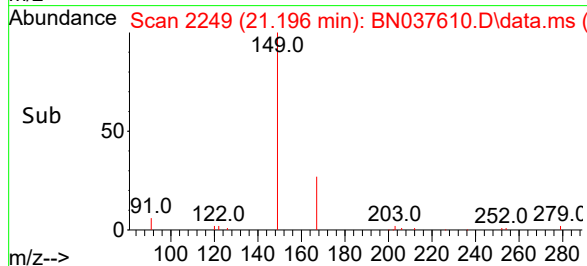
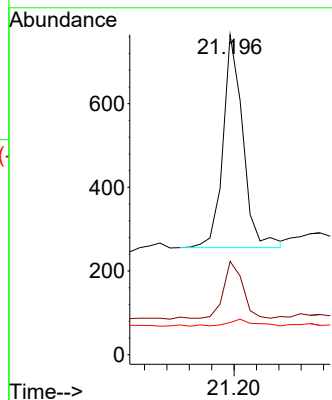
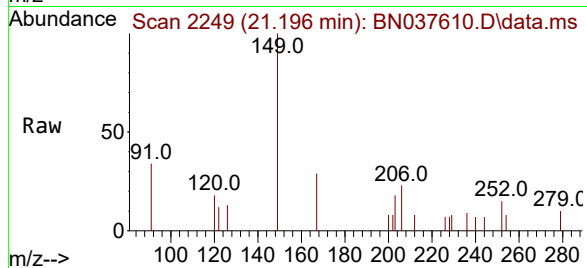
Tgt Ion:149 Resp: 628

Ion Ratio Lower Upper

149 100

167 27.4 20.5 30.7

279 4.5 2.6 4.0#



#35

Perylene-d12

Concen: 0.400 ng

RT: 23.499 min Scan# 2758

Delta R.T. -0.008 min

Lab File: BN037610.D

Acq: 19 Aug 2025 16:42

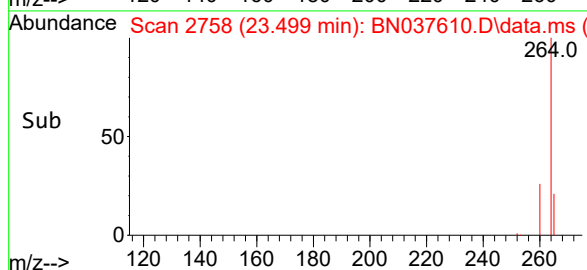
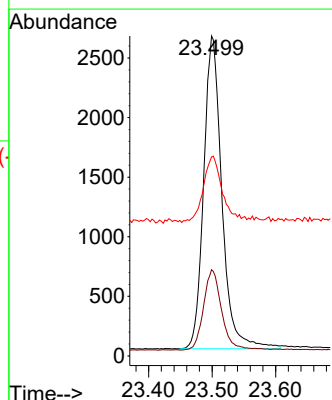
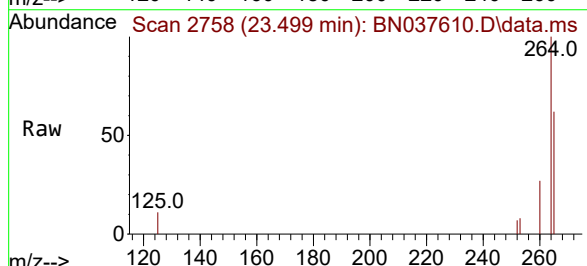
Tgt Ion:264 Resp: 5233

Ion Ratio Lower Upper

264 100

260 26.9 21.6 32.4

265 62.2 48.2 72.4



6

A

B

C

D

E

F

G

H

I

J

K

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN081925\  
 Data File : BN037611.D  
 Acq On : 19 Aug 2025 17:18  
 Operator : RC/JU  
 Sample : Q2869-05  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 MW-19B-71.5-081325-FD

Quant Time: Aug 20 01:27:45 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN081225.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Aug 13 05:00:58 2025  
 Response via : Initial Calibration

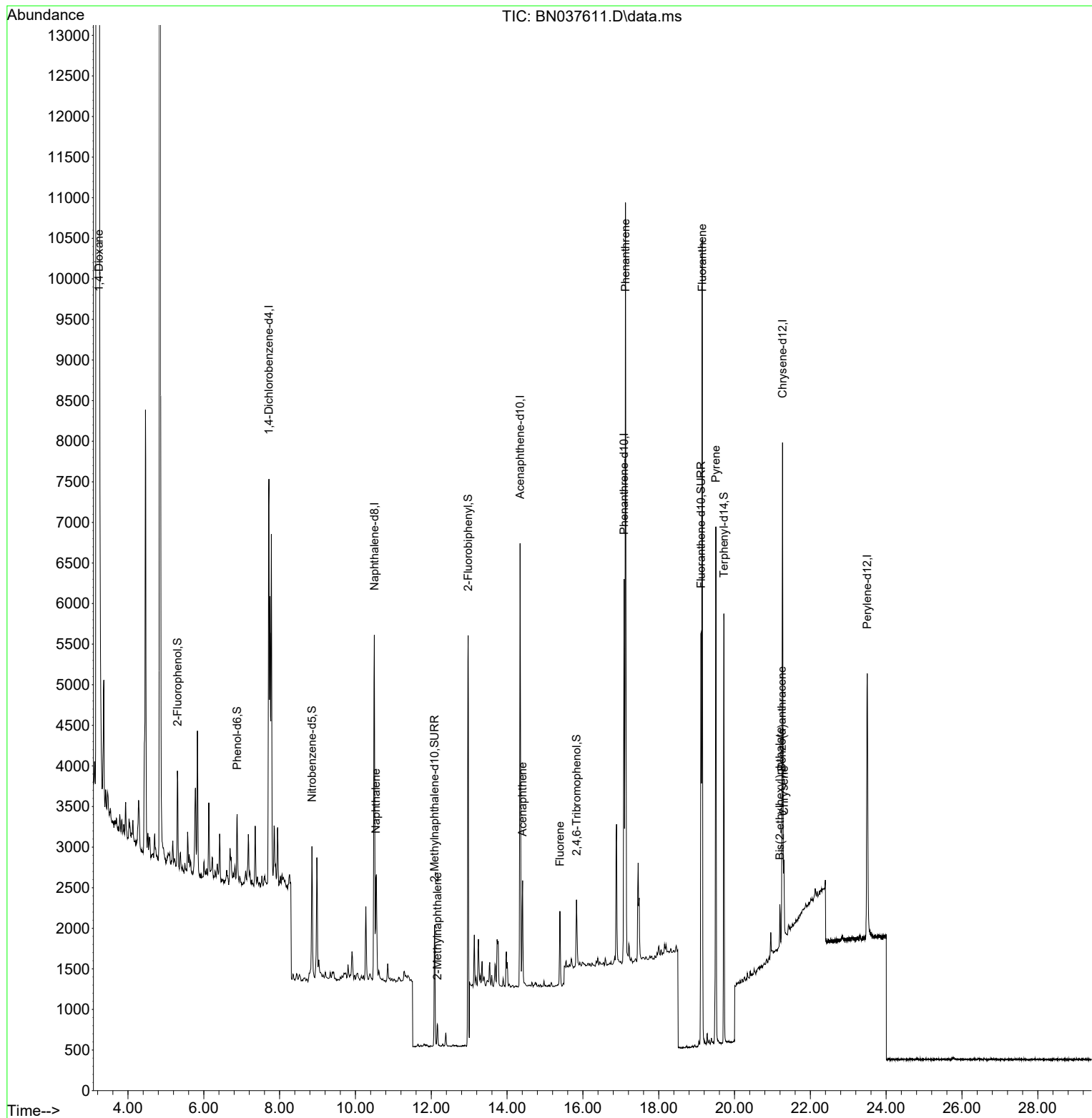
| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| -----                         |        |      |          |       |        |          |
| Internal Standards            |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.717  | 152  | 2373     | 0.400 | ng     | 0.00     |
| 7) Naphthalene-d8             | 10.498 | 136  | 5766     | 0.400 | ng     | 0.00     |
| 13) Acenaphthene-d10          | 14.345 | 164  | 2949     | 0.400 | ng     | 0.00     |
| 19) Phenanthrene-d10          | 17.086 | 188  | 6117     | 0.400 | ng     | 0.00     |
| 29) Chrysene-d12              | 21.268 | 240  | 5268     | 0.400 | ng     | 0.00     |
| 35) Perylene-d12              | 23.502 | 264  | 4705     | 0.400 | ng     | 0.00     |
|                               |        |      |          |       |        |          |
| System Monitoring Compounds   |        |      |          |       |        |          |
| 4) 2-Fluorophenol             | 5.305  | 112  | 795      | 0.148 | ng     | 0.00     |
| 5) Phenol-d6                  | 6.879  | 99   | 552      | 0.085 | ng     | 0.00     |
| 8) Nitrobenzene-d5            | 8.854  | 82   | 1252     | 0.308 | ng     | 0.00     |
| 11) 2-Methylnaphthalene-d10   | 12.085 | 152  | 2115     | 0.270 | ng     | 0.00     |
| 14) 2,4,6-Tribromophenol      | 15.833 | 330  | 474      | 0.367 | ng     | 0.00     |
| 15) 2-Fluorobiphenyl          | 12.973 | 172  | 6190     | 0.363 | ng     | 0.00     |
| 27) Fluoranthene-d10          | 19.118 | 212  | 5749     | 0.357 | ng     | 0.00     |
| 31) Terphenyl-d14             | 19.722 | 244  | 5180     | 0.478 | ng     | 0.00     |
|                               |        |      |          |       |        |          |
| Target Compounds              |        |      |          |       | Qvalue |          |
| 2) 1,4-Dioxane                | 3.232  | 88   | 10850    | 4.779 | ng     | 97       |
| 9) Naphthalene                | 10.541 | 128  | 1441     | 0.094 | ng     | # 90     |
| 12) 2-Methylnaphthalene       | 12.161 | 142  | 213      | 0.022 | ng     | # 83     |
| 17) Acenaphthene              | 14.409 | 154  | 610      | 0.068 | ng     | 98       |
| 18) Fluorene                  | 15.392 | 166  | 600      | 0.051 | ng     | 99       |
| 25) Phenanthrene              | 17.124 | 178  | 9312     | 0.501 | ng     | 99       |
| 28) Fluoranthene              | 19.146 | 202  | 8713     | 0.408 | ng     | 100      |
| 30) Pyrene                    | 19.508 | 202  | 5864     | 0.298 | ng     | # 94     |
| 32) Benzo(a)anthracene        | 21.250 | 228  | 641      | 0.036 | ng     | # 84     |
| 33) Chrysene                  | 21.304 | 228  | 991      | 0.051 | ng     | # 88     |
| 34) Bis(2-ethylhexyl)phtha... | 21.196 | 149  | 511      | 0.070 | ng     | # 94     |
| -----                         |        |      |          |       |        |          |

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

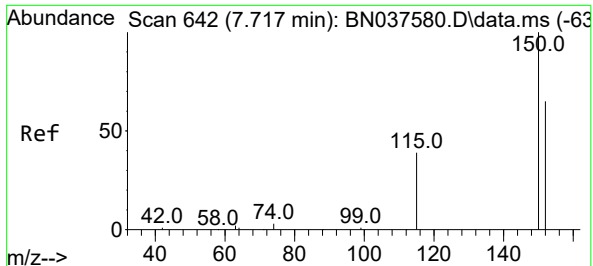
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN081925\  
Data File : BN037611.D  
Acq On : 19 Aug 2025 17:18  
Operator : RC/JU  
Sample : Q2869-05  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
MW-19B-71.5-081325-FD

Quant Time: Aug 20 01:27:45 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN081225.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Aug 13 05:00:58 2025  
Response via : Initial Calibration

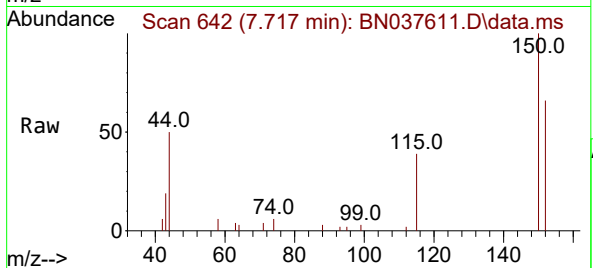




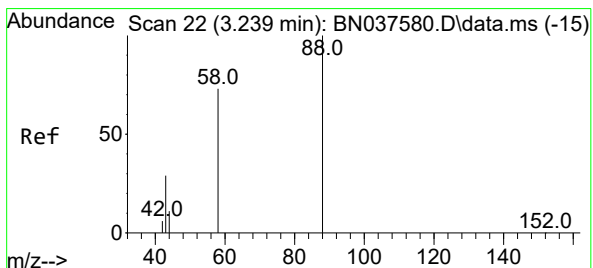
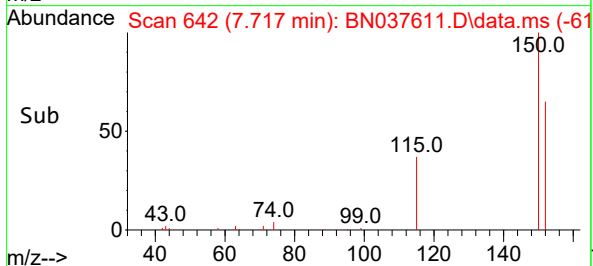
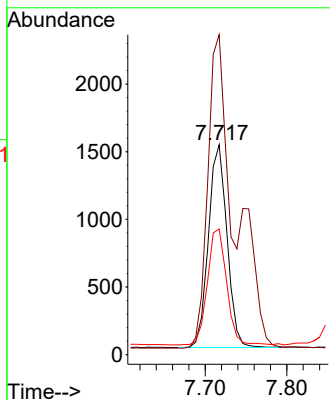


#1  
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.717 min Scan# 64  
Delta R.T. 0.000 min  
Lab File: BN037611.D  
Acq: 19 Aug 2025 17:18

Instrument :  
BNA\_N  
ClientSampleId :  
MW-19B-71.5-081325-FD

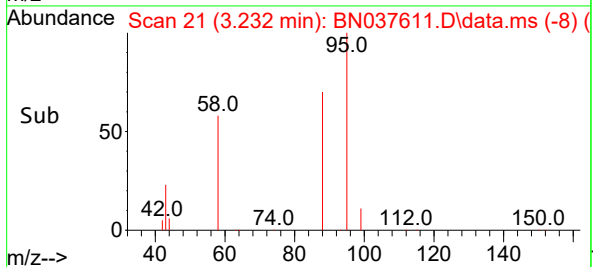
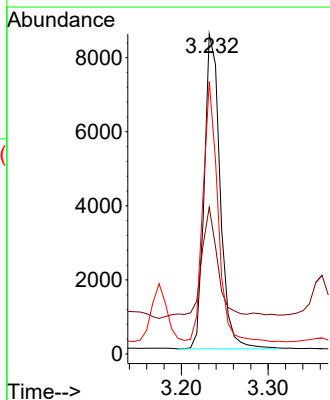
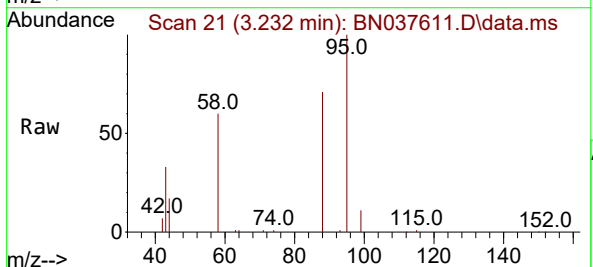


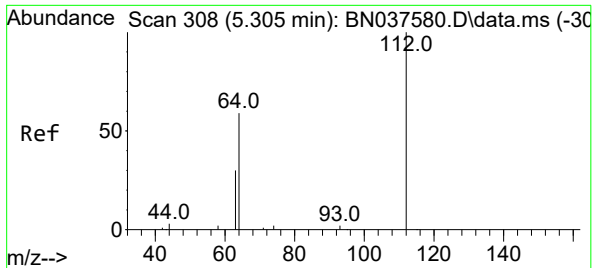
Tgt Ion:152 Resp: 2373  
Ion Ratio Lower Upper  
152 100  
150 152.4 122.2 183.4  
115 59.9 49.8 74.6



#2  
1,4-Dioxane  
Concen: 4.779 ng  
RT: 3.232 min Scan# 21  
Delta R.T. -0.007 min  
Lab File: BN037611.D  
Acq: 19 Aug 2025 17:18

Tgt Ion: 88 Resp: 10850  
Ion Ratio Lower Upper  
88 100  
43 37.3 25.8 38.6  
58 77.1 61.2 91.8

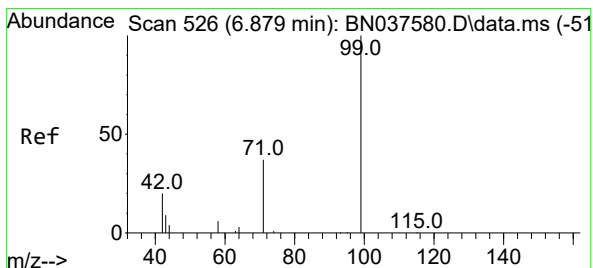
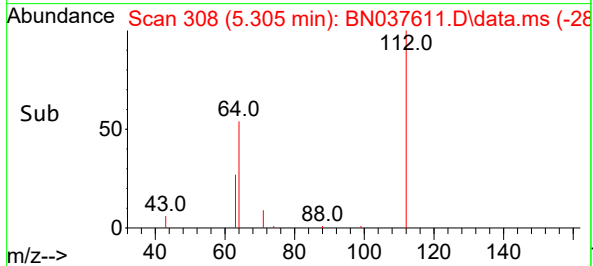
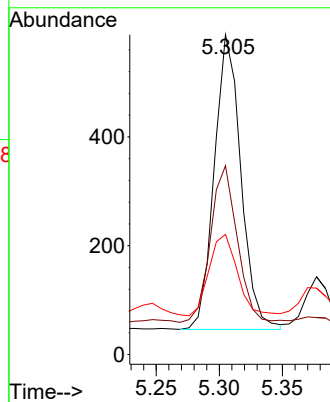
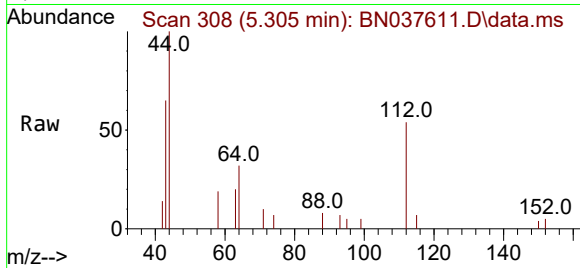




#4  
2-Fluorophenol  
Concen: 0.148 ng  
RT: 5.305 min Scan# 308  
Delta R.T. 0.000 min  
Lab File: BN037611.D  
Acq: 19 Aug 2025 17:18

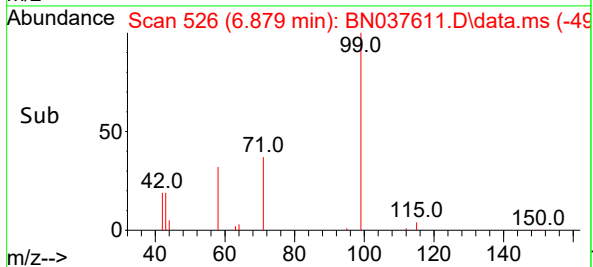
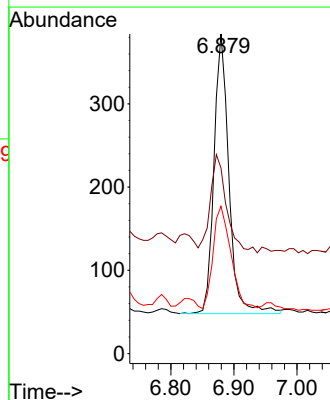
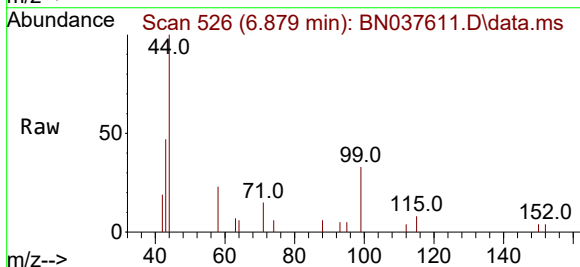
Instrument :  
BNA\_N  
ClientSampleId :  
MW-19B-71.5-081325-FD

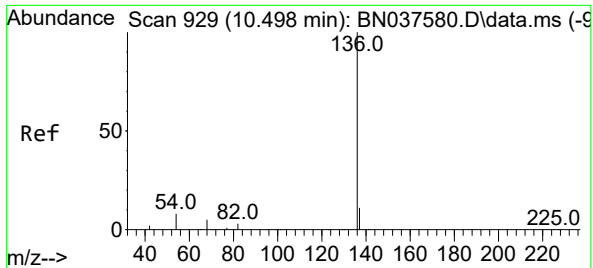
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 53.7  | 44.9  | 67.3  |
| 63      | 29.8  | 23.4  | 35.2  |



#5  
Phenol-d6  
Concen: 0.085 ng  
RT: 6.879 min Scan# 526  
Delta R.T. 0.000 min  
Lab File: BN037611.D  
Acq: 19 Aug 2025 17:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 99      | 100   |       |       |
| 42      | 38.4  | 18.5  | 27.7# |
| 71      | 43.7  | 28.6  | 42.8# |

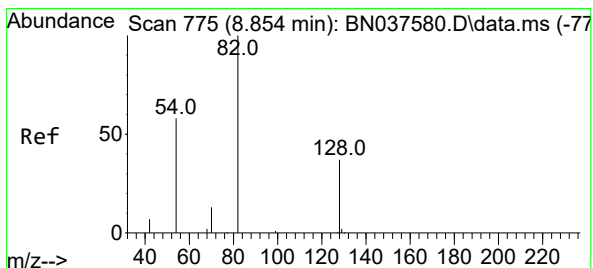
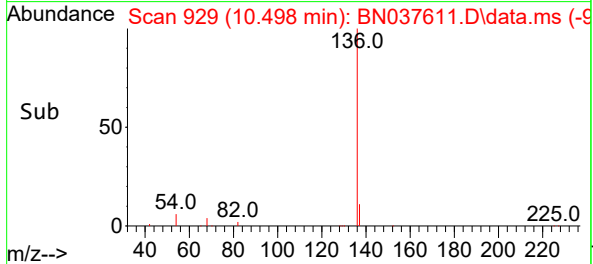
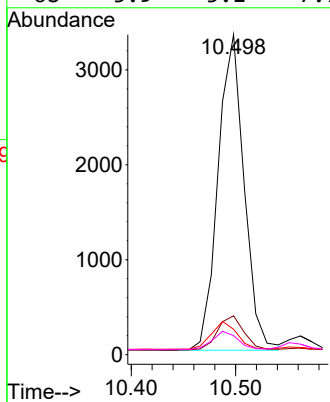
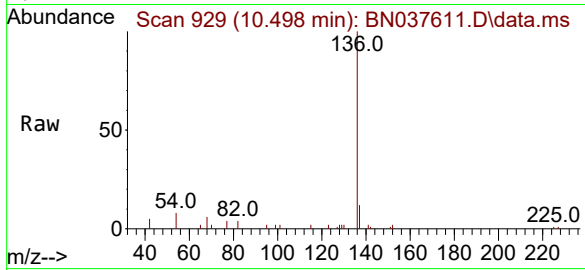




#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.498 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: BN037611.D  
Acq: 19 Aug 2025 17:18

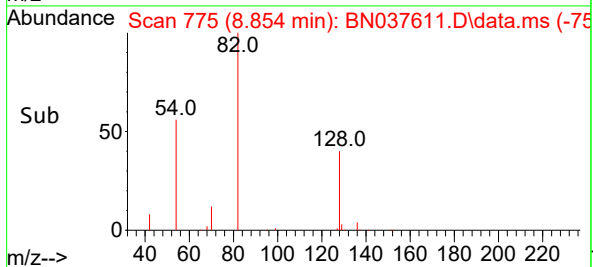
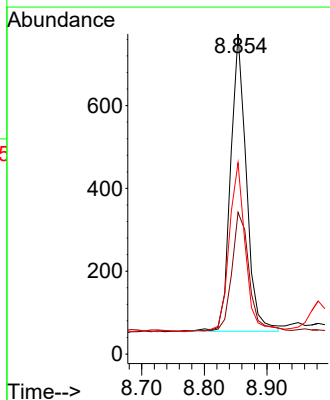
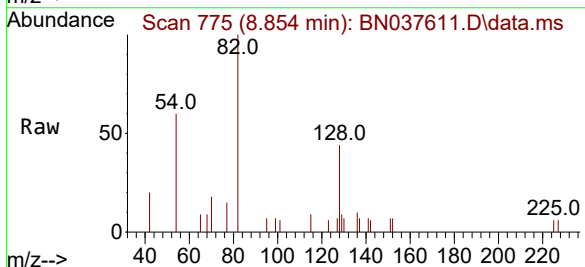
Instrument :  
BNA\_N  
ClientSampleId :  
MW-19B-71.5-081325-FD

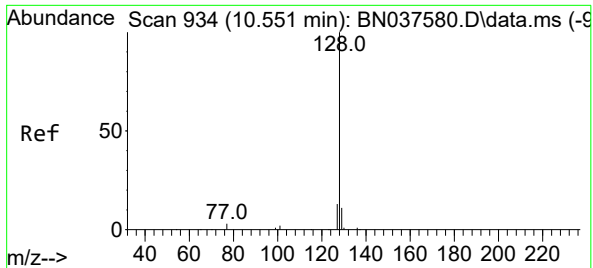
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 136   | Resp: | 5766  |
| Ion      | Ratio | Lower | Upper |
| 136      | 100   |       |       |
| 137      | 12.2  | 9.5   | 14.3  |
| 54       | 8.0   | 7.3   | 10.9  |
| 68       | 5.9   | 5.1   | 7.7   |



#8  
Nitrobenzene-d5  
Concen: 0.308 ng  
RT: 8.854 min Scan# 775  
Delta R.T. 0.000 min  
Lab File: BN037611.D  
Acq: 19 Aug 2025 17:18

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 82    | Resp: | 1252  |
| Ion      | Ratio | Lower | Upper |
| 82       | 100   |       |       |
| 128      | 44.2  | 32.6  | 48.8  |
| 54       | 59.8  | 48.9  | 73.3  |

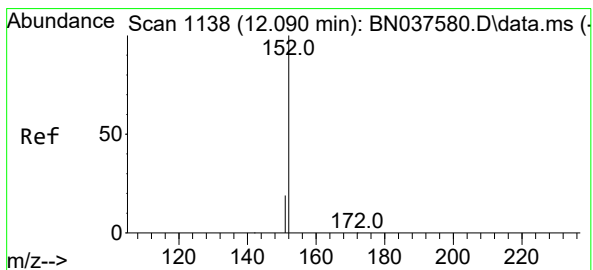
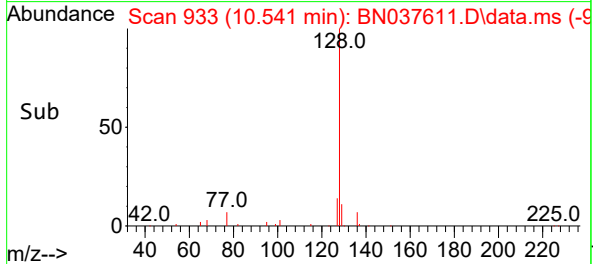
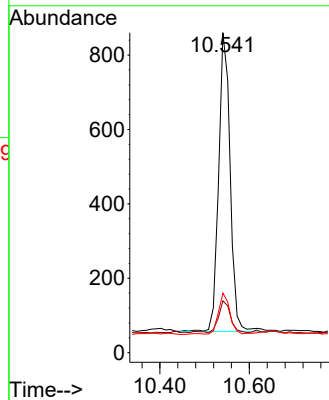
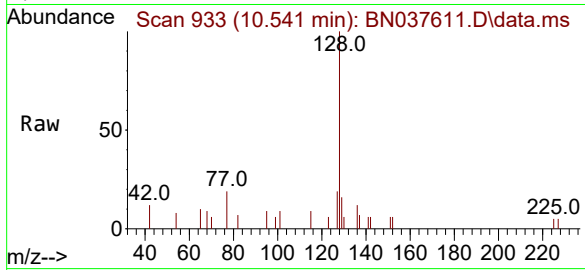




#9  
Naphthalene  
Concen: 0.094 ng  
RT: 10.541 min Scan# 91  
Delta R.T. -0.011 min  
Lab File: BN037611.D  
Acq: 19 Aug 2025 17:18

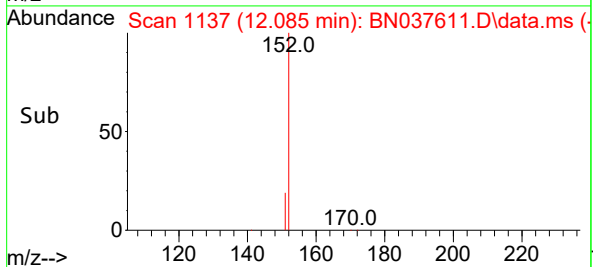
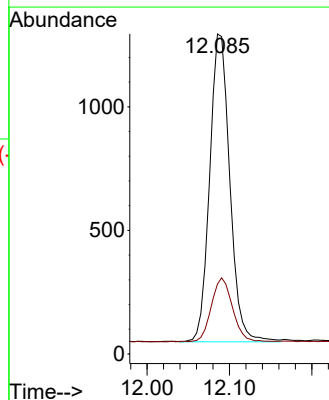
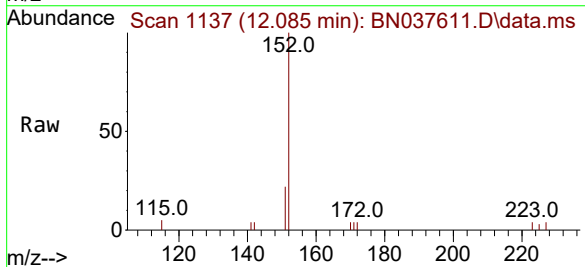
Instrument :  
BNA\_N  
ClientSampleId :  
MW-19B-71.5-081325-FD

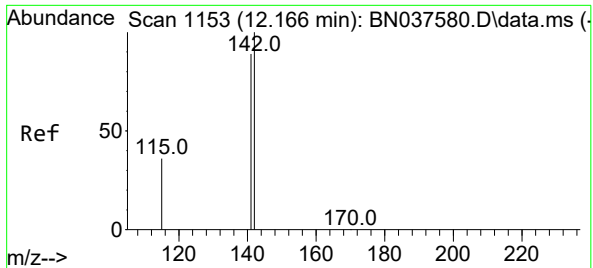
| Tgt Ion   | 128  | 129   | 127   |
|-----------|------|-------|-------|
| Resp:     | 1441 |       |       |
| Ion Ratio | 100  | 16.2  | 18.6  |
| Lower     |      | 9.8   | 11.5  |
| Upper     |      | 14.6# | 17.3# |



#11  
2-Methylnaphthalene-d10  
Concen: 0.270 ng  
RT: 12.085 min Scan# 1137  
Delta R.T. -0.005 min  
Lab File: BN037611.D  
Acq: 19 Aug 2025 17:18

| Tgt Ion   | 152  | 151  |
|-----------|------|------|
| Resp:     | 2115 |      |
| Ion Ratio | 100  | 21.9 |
| Lower     |      | 17.3 |
| Upper     |      | 25.9 |





#12

2-Methylnaphthalene

Concen: 0.022 ng

RT: 12.161 min Scan# 1152

Delta R.T. -0.005 min

Lab File: BN037611.D

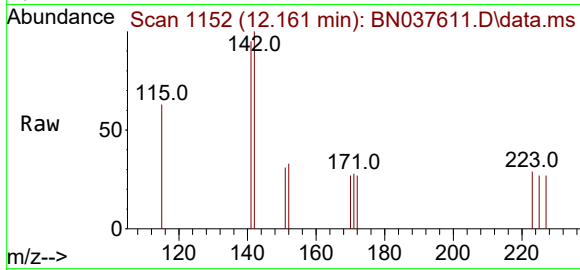
Acq: 19 Aug 2025 17:18

Instrument :

BNA\_N

ClientSampleId :

MW-19B-71.5-081325-FD



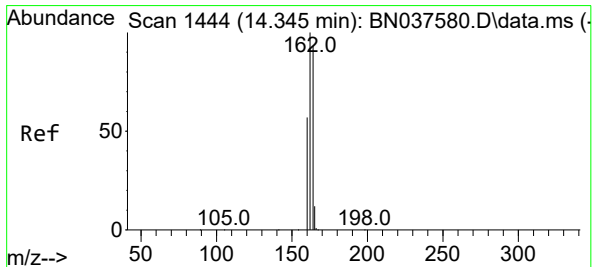
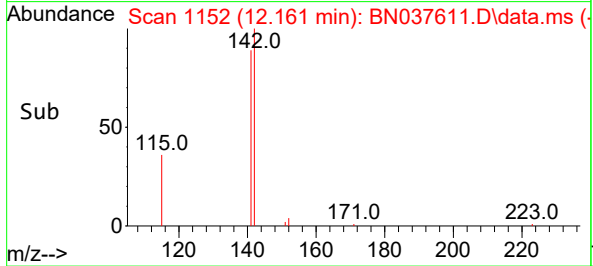
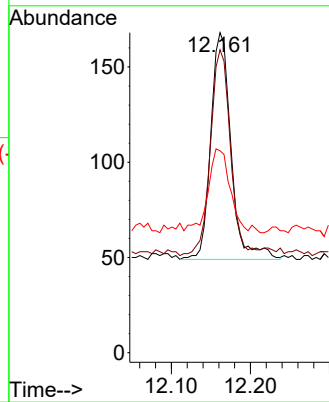
Tgt Ion:142 Resp: 213

Ion Ratio Lower Upper

142 100

141 94.6 71.4 107.0

115 63.1 30.2 45.4#



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.345 min Scan# 1444

Delta R.T. 0.000 min

Lab File: BN037611.D

Acq: 19 Aug 2025 17:18

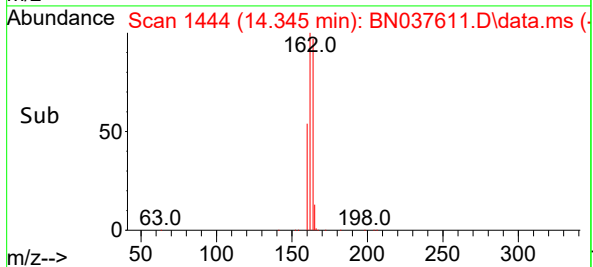
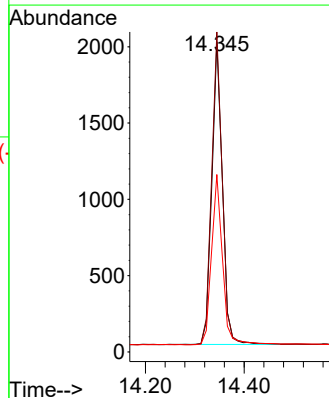
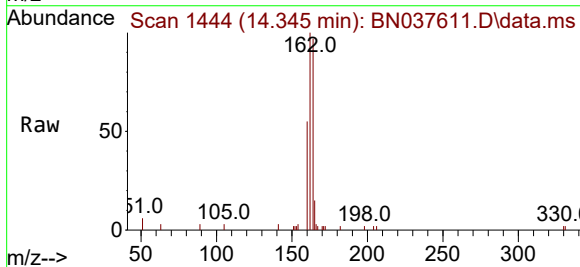
Tgt Ion:164 Resp: 2949

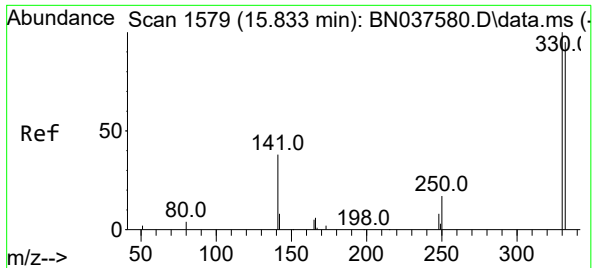
Ion Ratio Lower Upper

164 100

162 103.1 85.5 128.3

160 57.2 49.5 74.3





#14

2,4,6-Tribromophenol

Concen: 0.367 ng

RT: 15.833 min Scan# 1

Delta R.T. 0.000 min

Lab File: BN037611.D

Acq: 19 Aug 2025 17:18

Instrument :

BNA\_N

ClientSampleId :

MW-19B-71.5-081325-FD

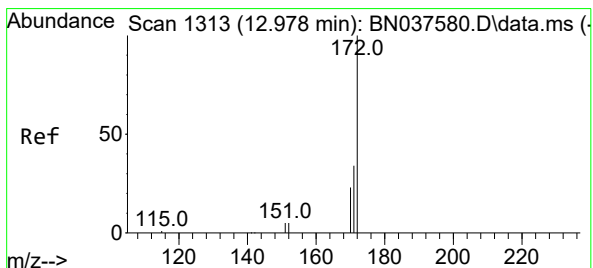
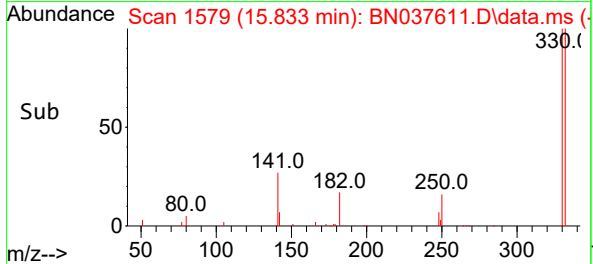
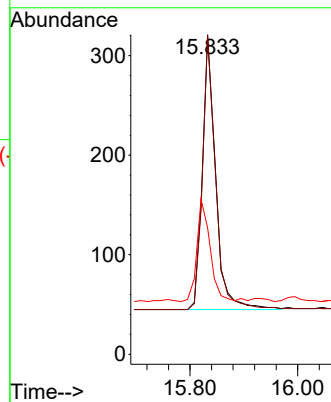
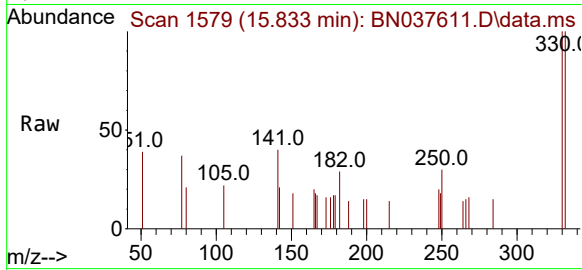
Tgt Ion:330 Resp: 474

Ion Ratio Lower Upper

330 100

332 98.1 77.4 116.0

141 36.9 30.9 46.3



#15

2-Fluorobiphenyl

Concen: 0.363 ng

RT: 12.973 min Scan# 1312

Delta R.T. -0.005 min

Lab File: BN037611.D

Acq: 19 Aug 2025 17:18

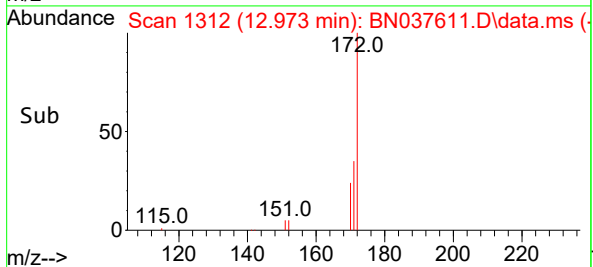
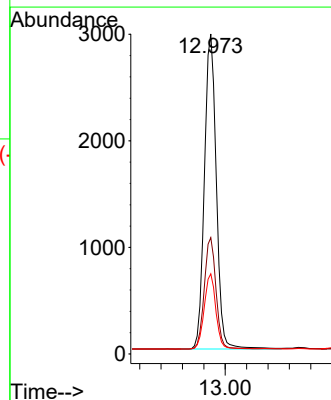
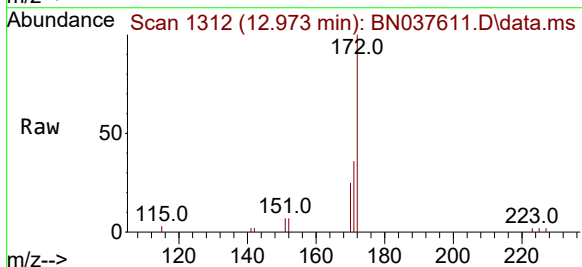
Tgt Ion:172 Resp: 6190

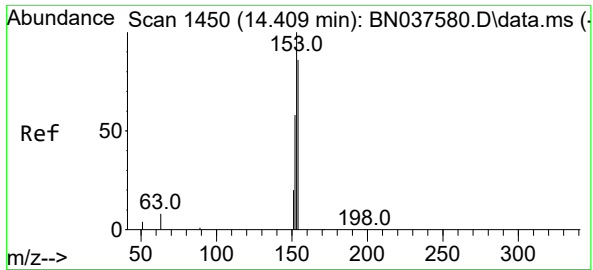
Ion Ratio Lower Upper

172 100

171 36.4 28.2 42.4

170 25.1 19.2 28.8

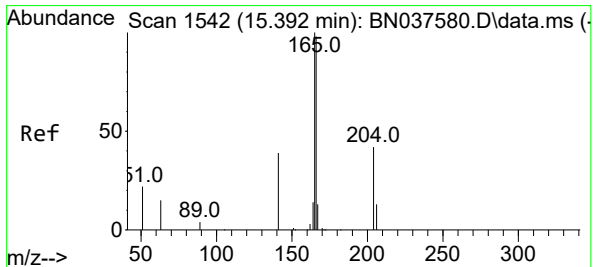
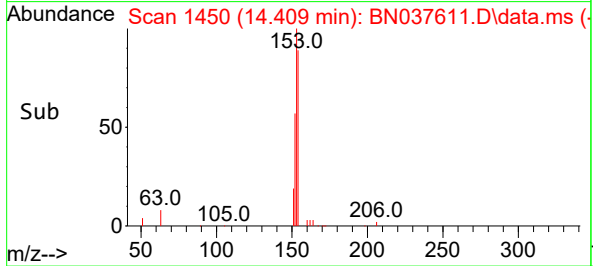
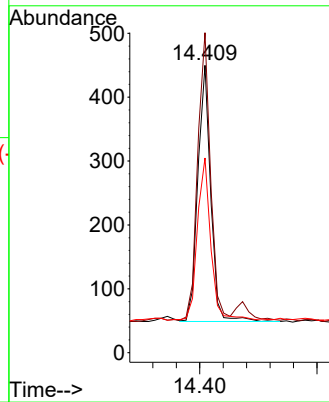
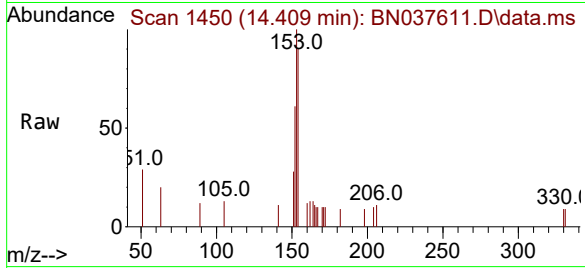




#17  
Acenaphthene  
Concen: 0.068 ng  
RT: 14.409 min Scan# 1450  
Delta R.T. 0.000 min  
Lab File: BN037611.D  
Acq: 19 Aug 2025 17:18

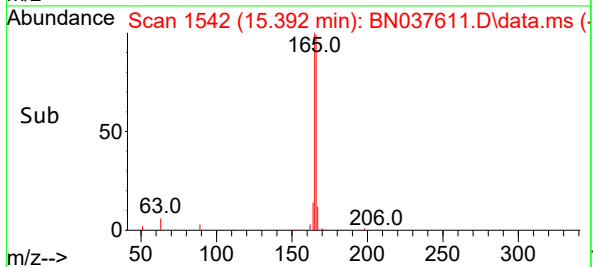
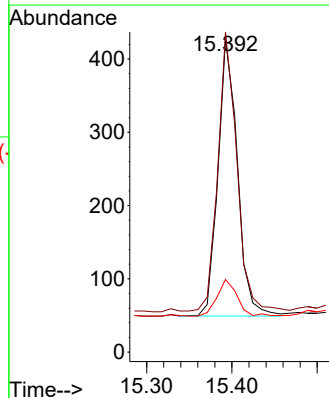
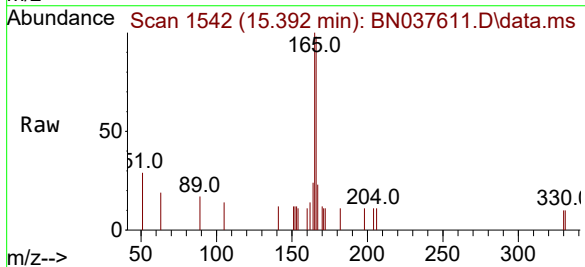
Instrument :  
BNA\_N  
ClientSampleId :  
MW-19B-71.5-081325-FD

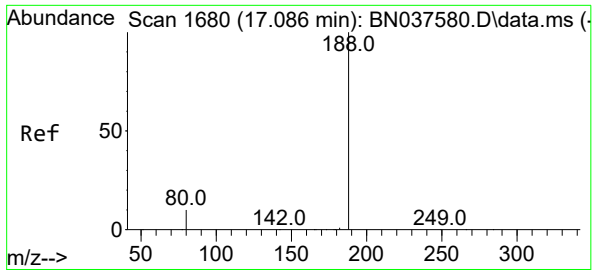
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 154   | Resp: | 610   |
| Ion      | Ratio | Lower | Upper |
| 154      | 100   |       |       |
| 153      | 112.1 | 90.6  | 135.8 |
| 152      | 65.4  | 54.9  | 82.3  |



#18  
Fluorene  
Concen: 0.051 ng  
RT: 15.392 min Scan# 1542  
Delta R.T. 0.000 min  
Lab File: BN037611.D  
Acq: 19 Aug 2025 17:18

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 166   | Resp: | 600   |
| Ion      | Ratio | Lower | Upper |
| 166      | 100   |       |       |
| 165      | 97.8  | 78.9  | 118.3 |
| 167      | 13.8  | 10.7  | 16.1  |





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.086 min Scan# 1

Delta R.T. 0.000 min

Lab File: BN037611.D

Acq: 19 Aug 2025 17:18

Instrument :

BNA\_N

ClientSampleId :

MW-19B-71.5-081325-FD

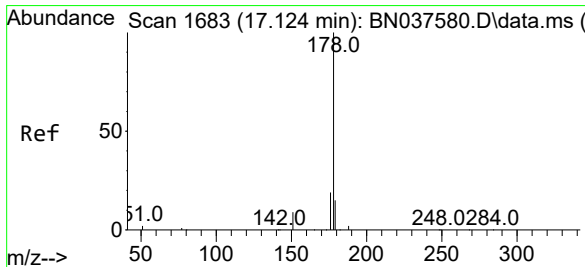
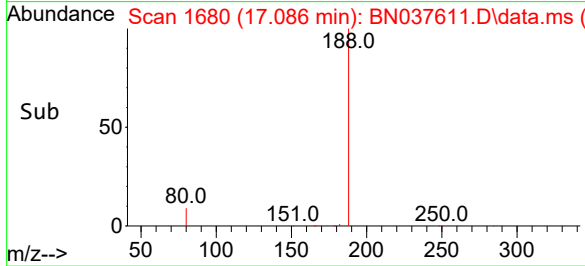
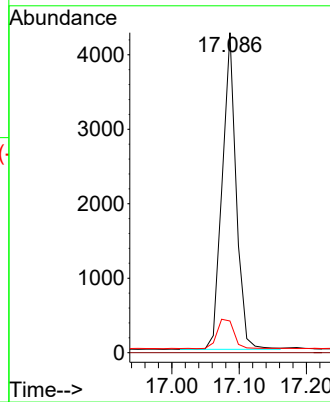
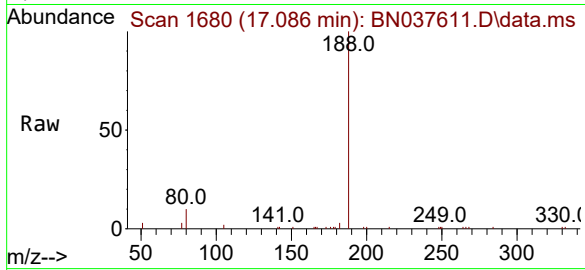
Tgt Ion:188 Resp: 6117

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 9.9 9.1 13.7



#25

Phenanthrene

Concen: 0.501 ng

RT: 17.124 min Scan# 1683

Delta R.T. 0.000 min

Lab File: BN037611.D

Acq: 19 Aug 2025 17:18

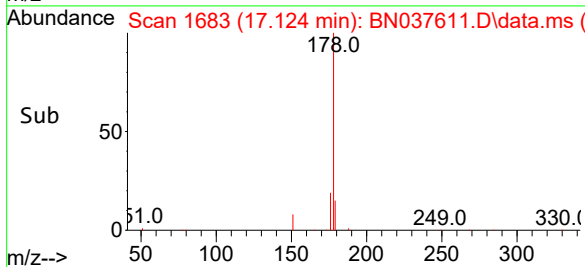
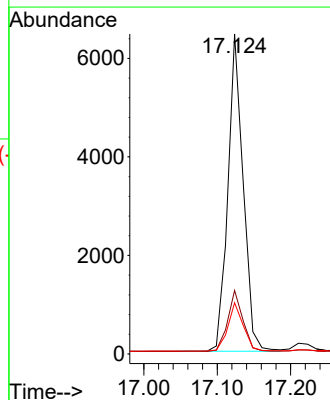
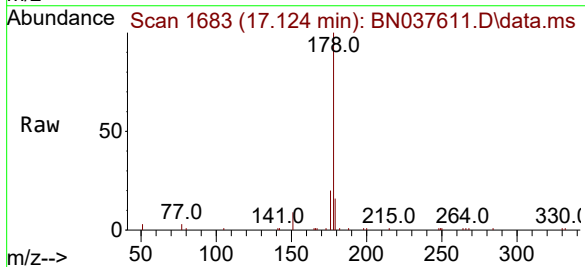
Tgt Ion:178 Resp: 9312

Ion Ratio Lower Upper

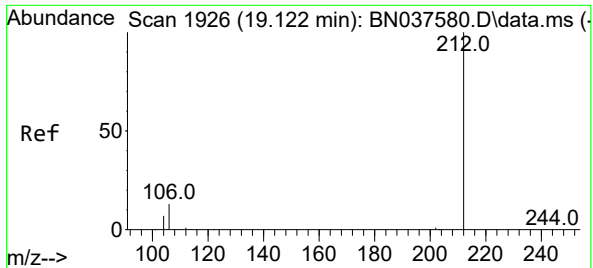
178 100

176 19.1 15.0 22.6

179 15.5 12.3 18.5



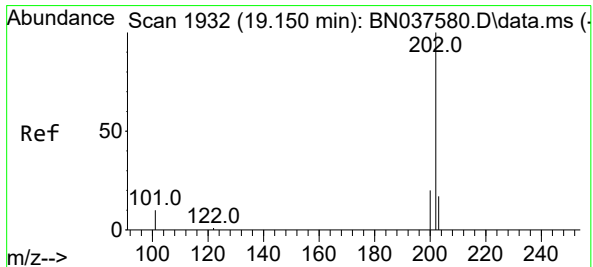
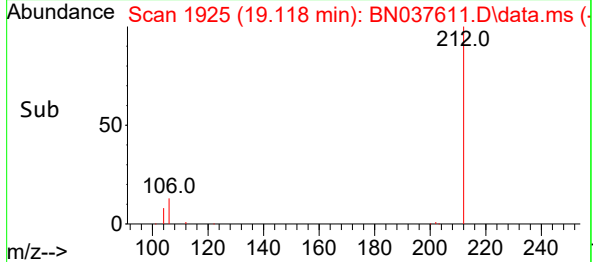
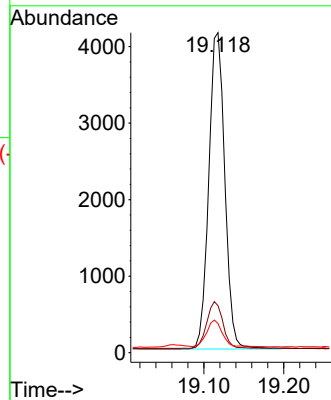
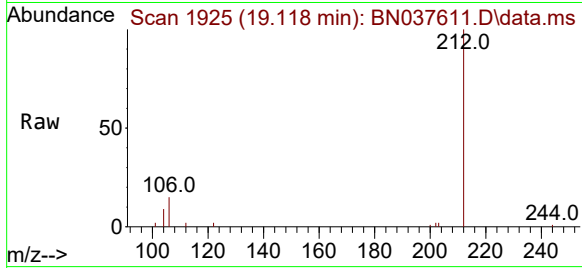




#27  
Fluoranthene-d10  
Concen: 0.357 ng  
RT: 19.118 min Scan# 1925  
Delta R.T. -0.005 min  
Lab File: BN037611.D  
Acq: 19 Aug 2025 17:18

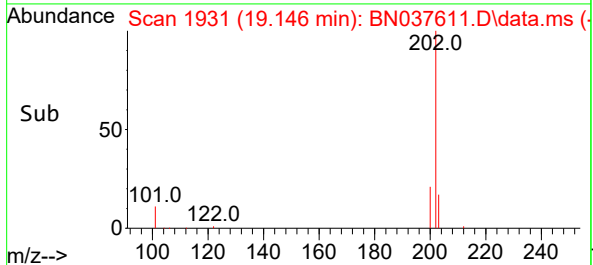
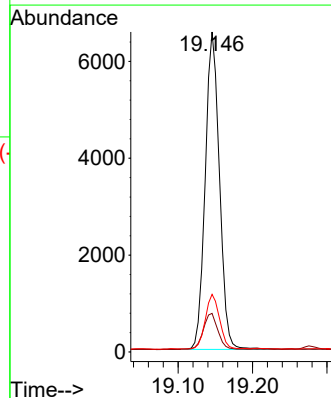
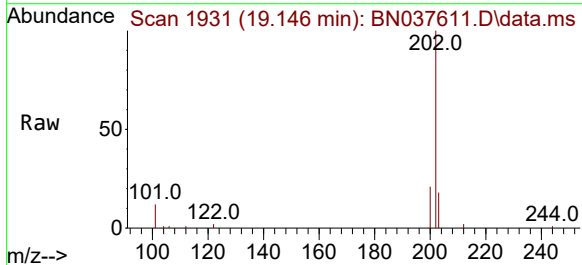
Instrument :  
BNA\_N  
ClientSampleId :  
MW-19B-71.5-081325-FD

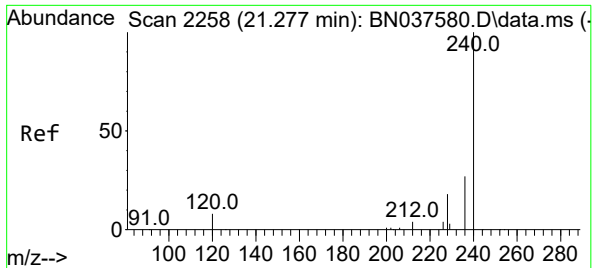
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 212     | 100   |       |       |
| 106     | 14.8  | 11.5  | 17.3  |
| 104     | 8.6   | 6.6   | 9.8   |



#28  
Fluoranthene  
Concen: 0.408 ng  
RT: 19.146 min Scan# 1931  
Delta R.T. -0.005 min  
Lab File: BN037611.D  
Acq: 19 Aug 2025 17:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 11.4  | 9.0   | 13.6  |
| 203     | 17.1  | 13.8  | 20.8  |





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.268 min Scan# 21

Delta R.T. -0.009 min

Lab File: BN037611.D

Acq: 19 Aug 2025 17:18

Instrument :

BNA\_N

ClientSampleId :

MW-19B-71.5-081325-FD

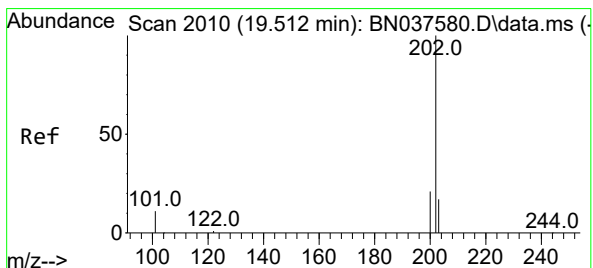
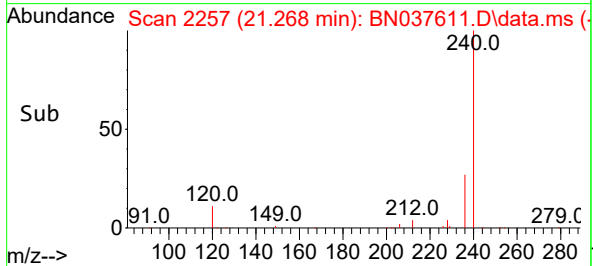
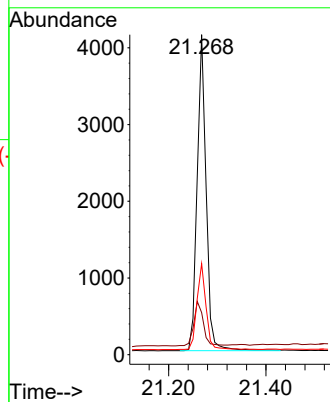
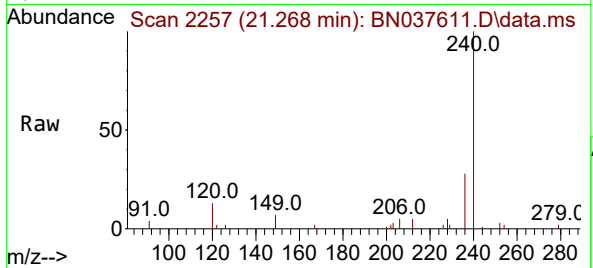
Tgt Ion:240 Resp: 5268

Ion Ratio Lower Upper

240 100

120 13.1 8.9 13.3

236 28.5 22.6 33.8



#30

Pyrene

Concen: 0.298 ng

RT: 19.508 min Scan# 2009

Delta R.T. -0.005 min

Lab File: BN037611.D

Acq: 19 Aug 2025 17:18

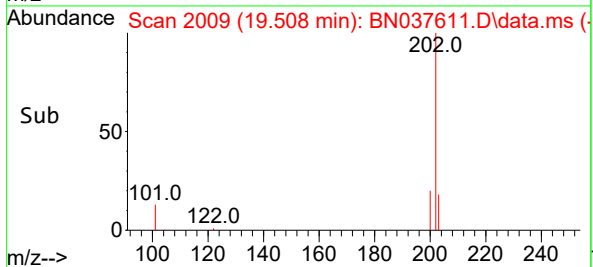
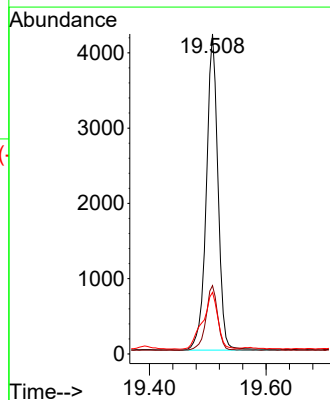
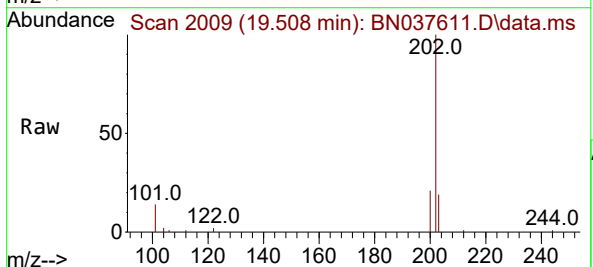
Tgt Ion:202 Resp: 5864

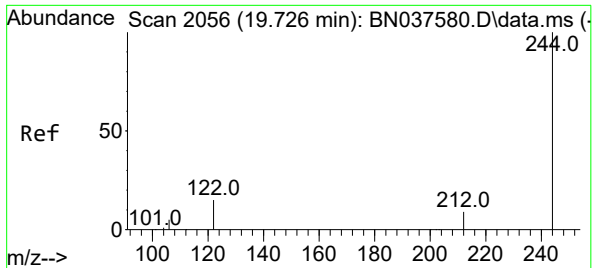
Ion Ratio Lower Upper

202 100

200 20.8 16.6 25.0

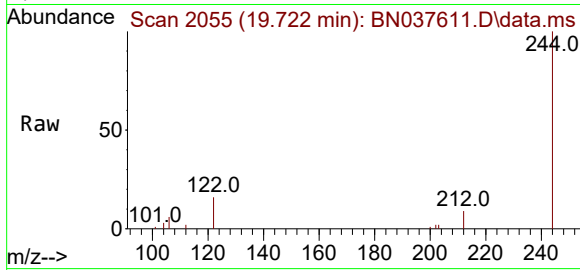
203 23.2 14.3 21.5#



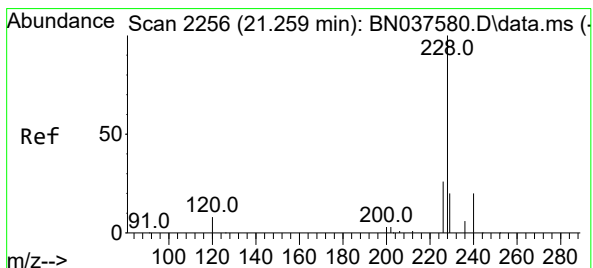
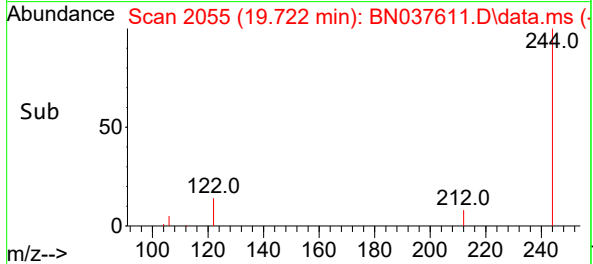
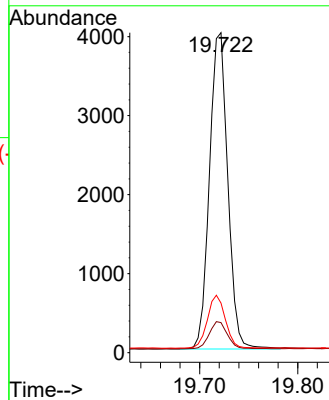


#31  
Terphenyl-d14  
Concen: 0.478 ng  
RT: 19.722 min Scan# 2056  
Delta R.T. -0.005 min  
Lab File: BN037611.D  
Acq: 19 Aug 2025 17:18

Instrument :  
BNA\_N  
ClientSampleId :  
MW-19B-71.5-081325-FD

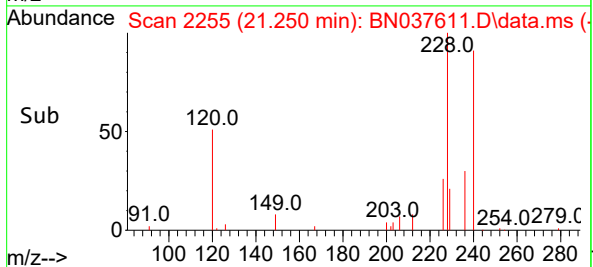
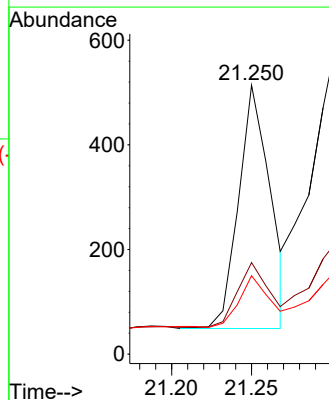
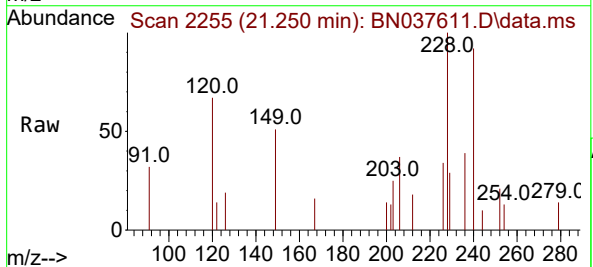


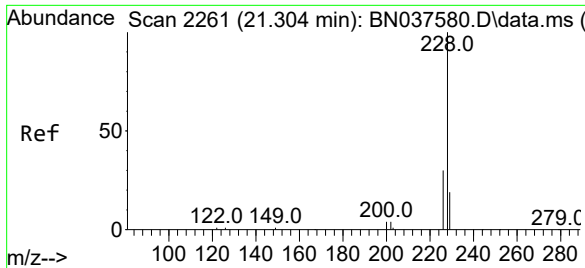
Tgt Ion:244 Resp: 5180  
Ion Ratio Lower Upper  
244 100  
212 9.4 8.2 12.2  
122 15.5 13.2 19.8



#32  
Benzo(a)anthracene  
Concen: 0.036 ng  
RT: 21.250 min Scan# 2255  
Delta R.T. -0.009 min  
Lab File: BN037611.D  
Acq: 19 Aug 2025 17:18

Tgt Ion:228 Resp: 641  
Ion Ratio Lower Upper  
228 100  
226 34.0 21.5 32.3#  
229 29.2 16.5 24.7#





#33

Chrysene

Concen: 0.051 ng

RT: 21.304 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN037611.D

Acq: 19 Aug 2025 17:18

Instrument :

BNA\_N

ClientSampleId :

MW-19B-71.5-081325-FD

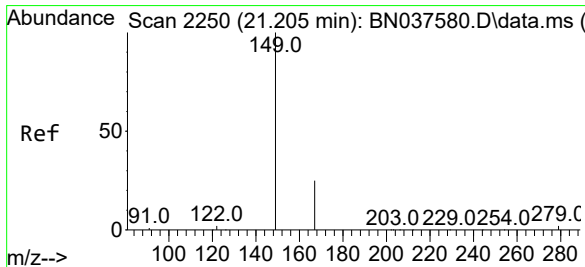
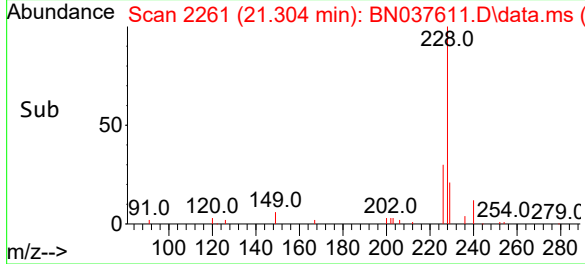
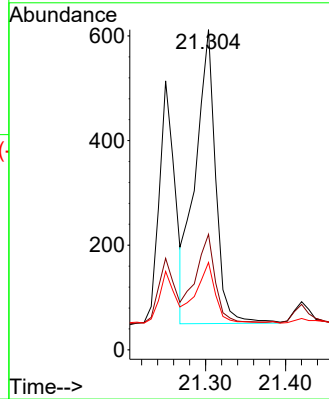
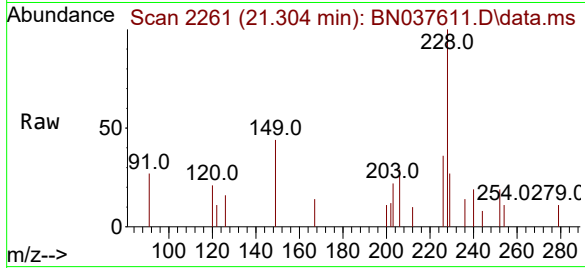
Tgt Ion:228 Resp: 991

Ion Ratio Lower Upper

228 100

226 36.1 24.9 37.3

229 27.3 15.8 23.8#



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.070 ng

RT: 21.196 min Scan# 2249

Delta R.T. -0.009 min

Lab File: BN037611.D

Acq: 19 Aug 2025 17:18

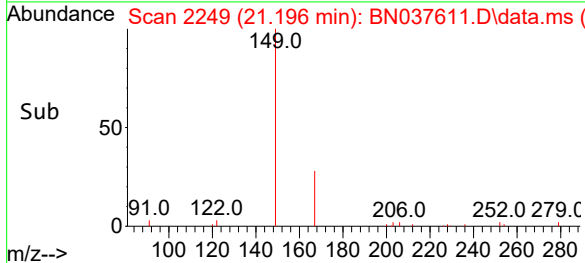
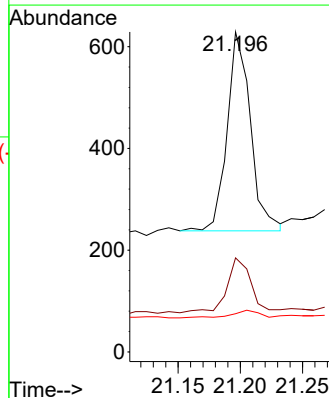
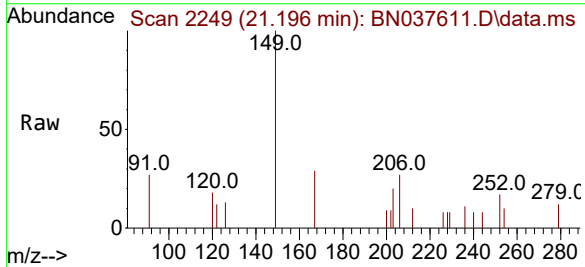
Tgt Ion:149 Resp: 511

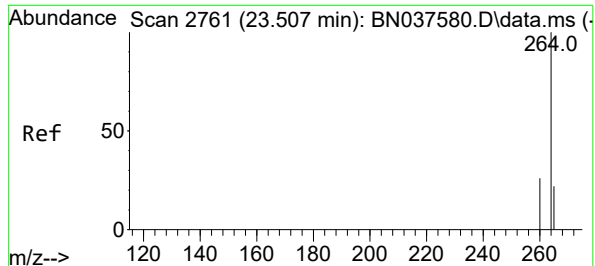
Ion Ratio Lower Upper

149 100

167 28.6 20.5 30.7

279 4.7 2.6 4.0#





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.502 min Scan# 21

Delta R.T. -0.006 min

Lab File: BN037611.D

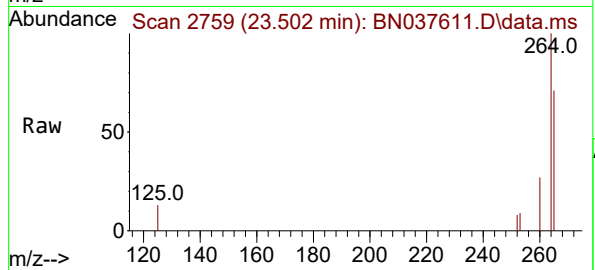
Acq: 19 Aug 2025 17:18

Instrument :

BNA\_N

ClientSampleId :

MW-19B-71.5-081325-FD



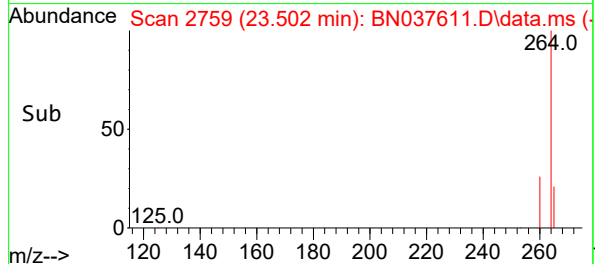
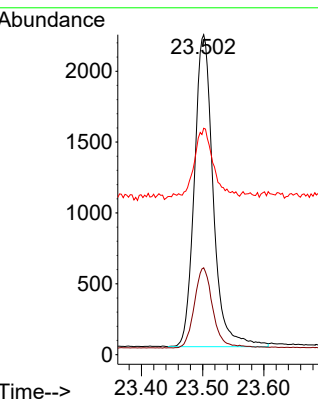
Tgt Ion:264 Resp: 4705

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
|-----|-------|-------|-------|

|     |     |  |  |
|-----|-----|--|--|
| 264 | 100 |  |  |
|-----|-----|--|--|

|     |      |      |      |
|-----|------|------|------|
| 260 | 27.1 | 21.6 | 32.4 |
|-----|------|------|------|

|     |      |      |      |
|-----|------|------|------|
| 265 | 70.7 | 48.2 | 72.4 |
|-----|------|------|------|



6

A

B

C

D

E

F

G

H

I

J

K

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN081925\  
 Data File : BN037612.D  
 Acq On : 19 Aug 2025 17:54  
 Operator : RC/JU  
 Sample : Q2869-07  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 EB01-081325

Quant Time: Aug 20 01:28:03 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN081225.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Aug 13 05:00:58 2025  
 Response via : Initial Calibration

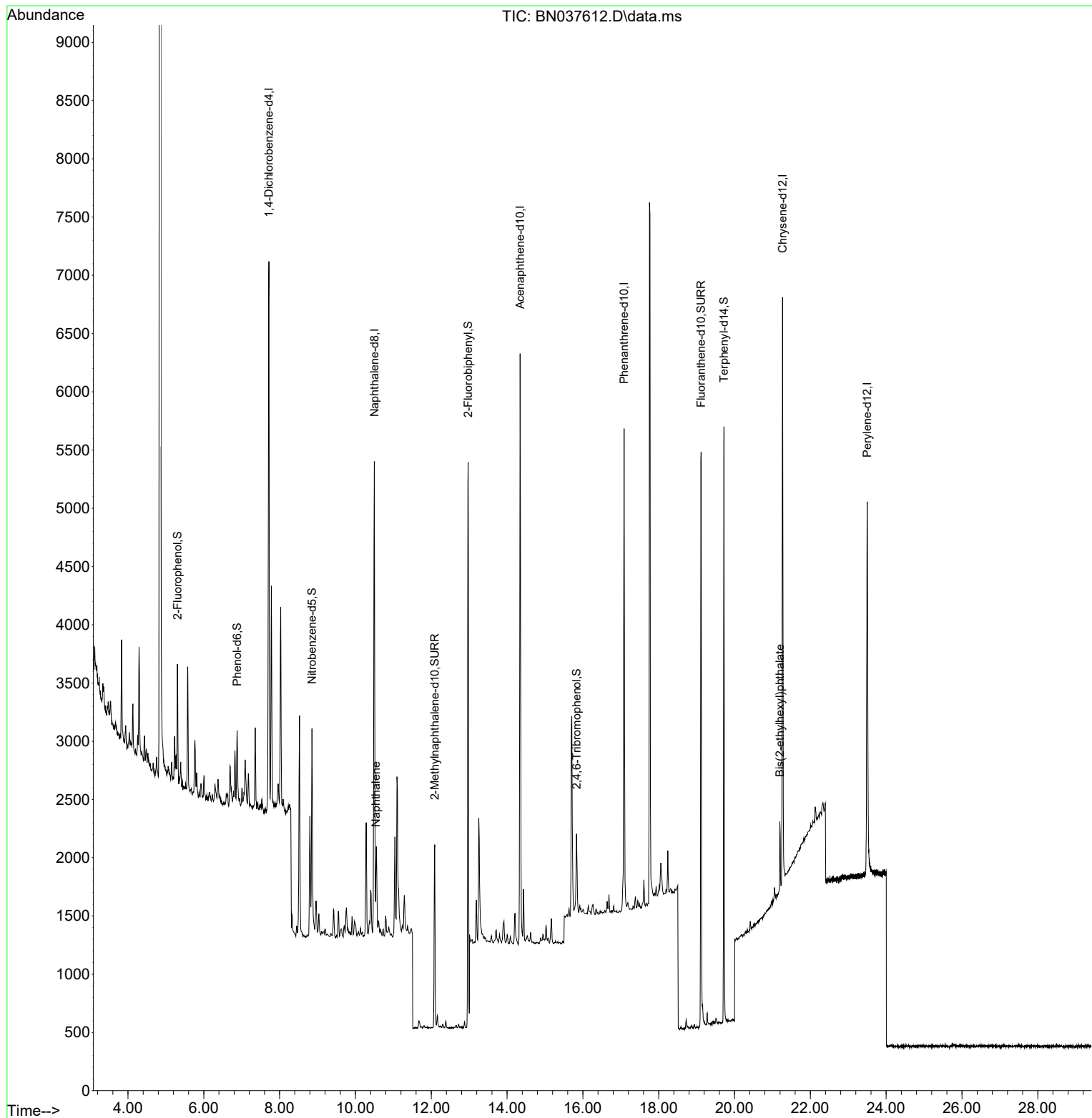
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.717  | 152  | 2243     | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.498 | 136  | 5421     | 0.400 | ng    | 0.00     |
| 13) Acenaphthene-d10          | 14.345 | 164  | 2768     | 0.400 | ng    | 0.00     |
| 19) Phenanthrene-d10          | 17.086 | 188  | 5604     | 0.400 | ng    | 0.00     |
| 29) Chrysene-d12              | 21.268 | 240  | 4806     | 0.400 | ng    | # 0.00   |
| 35) Perylene-d12              | 23.502 | 264  | 4479     | 0.400 | ng    | 0.00     |
|                               |        |      |          |       |       |          |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.305  | 112  | 763      | 0.150 | ng    | 0.00     |
| 5) Phenol-d6                  | 6.879  | 99   | 559      | 0.091 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 8.854  | 82   | 1354     | 0.355 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10   | 12.090 | 152  | 2242     | 0.304 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 15.833 | 330  | 427      | 0.352 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 12.973 | 172  | 6231     | 0.389 | ng    | 0.00     |
| 27) Fluoranthene-d10          | 19.118 | 212  | 5735     | 0.389 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.722 | 244  | 4846     | 0.490 | ng    | 0.00     |
|                               |        |      |          |       |       |          |
| Target Compounds              |        |      |          |       |       |          |
| 9) Naphthalene                | 10.541 | 128  | 328      | 0.023 | ng    | # 55     |
| 34) Bis(2-ethylhexyl)phtha... | 21.196 | 149  | 615      | 0.093 | ng    | # 98     |
| -----                         |        |      |          |       |       |          |

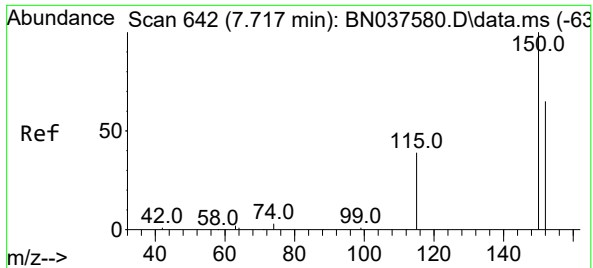
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN081925\  
Data File : BN037612.D  
Acq On : 19 Aug 2025 17:54  
Operator : RC/JU  
Sample : Q2869-07  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
EB01-081325

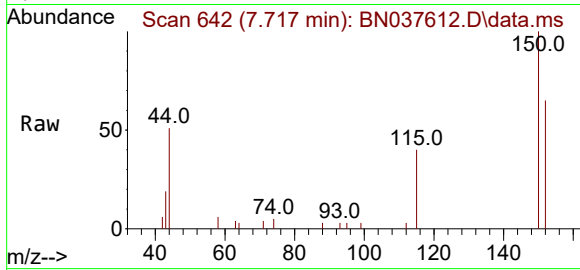
Quant Time: Aug 20 01:28:03 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN081225.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Aug 13 05:00:58 2025  
Response via : Initial Calibration



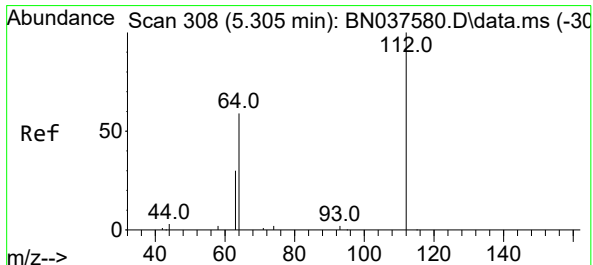
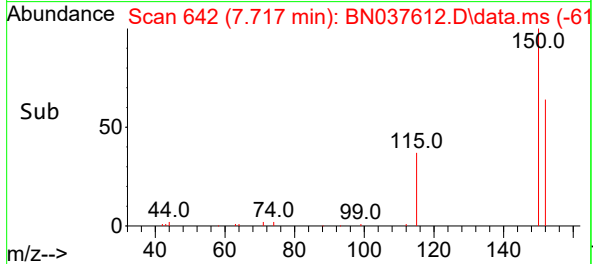
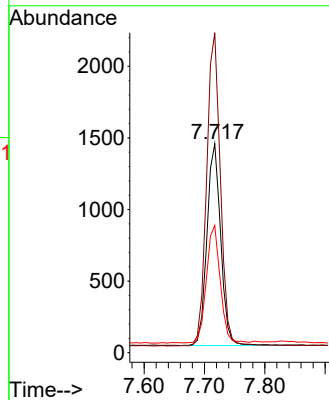


#1  
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.717 min Scan# 642  
Delta R.T. 0.000 min  
Lab File: BN037612.D  
Acq: 19 Aug 2025 17:54

Instrument :  
BNA\_N  
ClientSampleId :  
EB01-081325

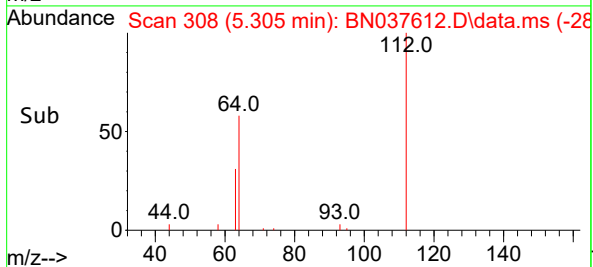
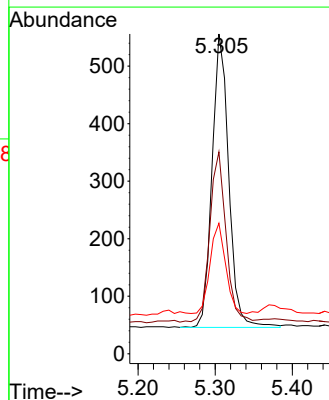
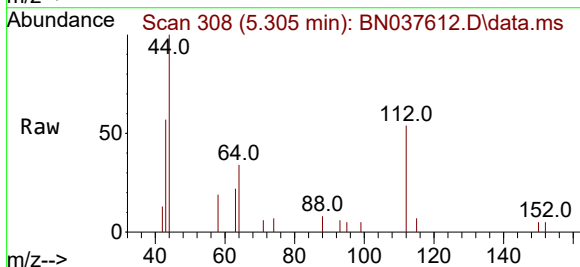


Tgt Ion:152 Resp: 2243  
Ion Ratio Lower Upper  
152 100  
150 153.2 122.2 183.4  
115 60.9 49.8 74.6

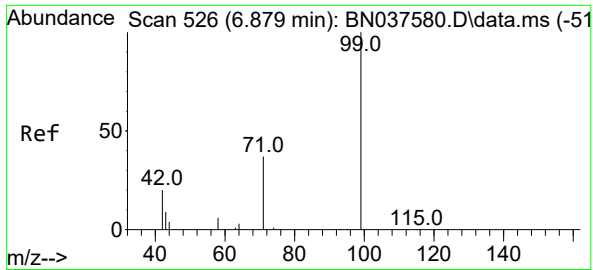


#4  
2-Fluorophenol  
Concen: 0.150 ng  
RT: 5.305 min Scan# 308  
Delta R.T. 0.000 min  
Lab File: BN037612.D  
Acq: 19 Aug 2025 17:54

Tgt Ion:112 Resp: 763  
Ion Ratio Lower Upper  
112 100  
64 56.7 44.9 67.3  
63 29.5 23.4 35.2



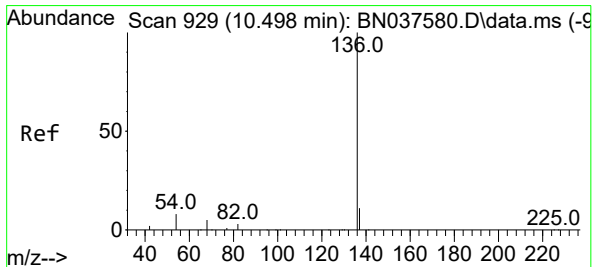
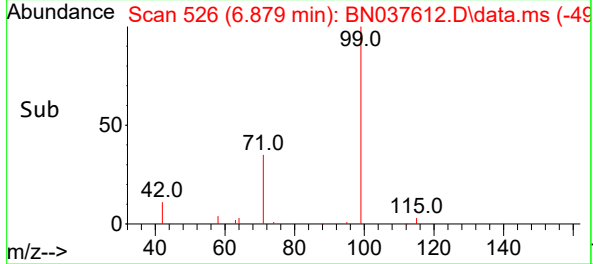
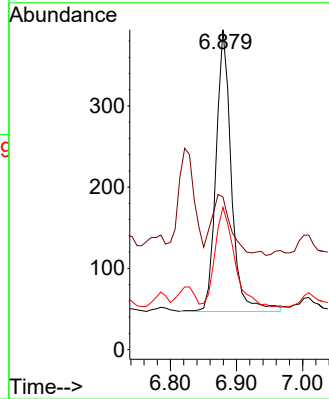
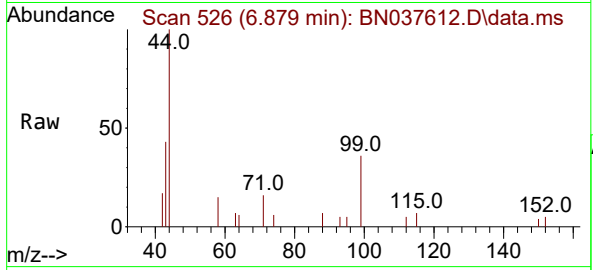




#5  
Phenol-d6  
Concen: 0.091 ng  
RT: 6.879 min Scan# 51  
Delta R.T. 0.000 min  
Lab File: BN037612.D  
Acq: 19 Aug 2025 17:54

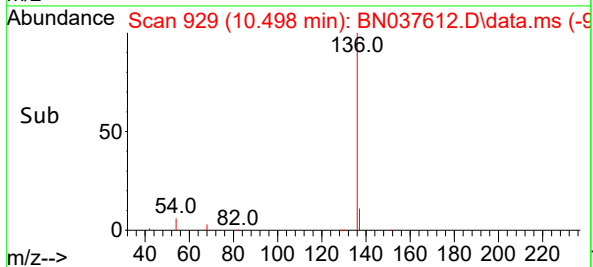
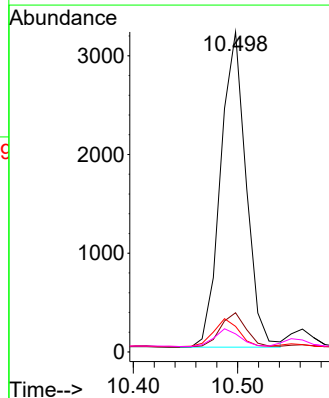
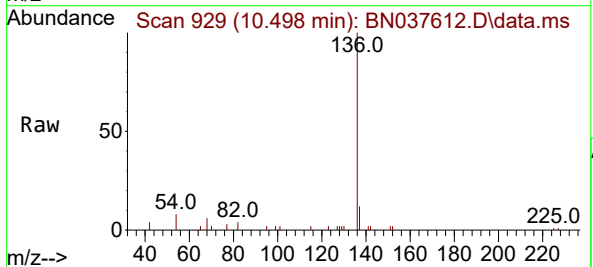
Instrument :  
BNA\_N  
ClientSampleId :  
EB01-081325

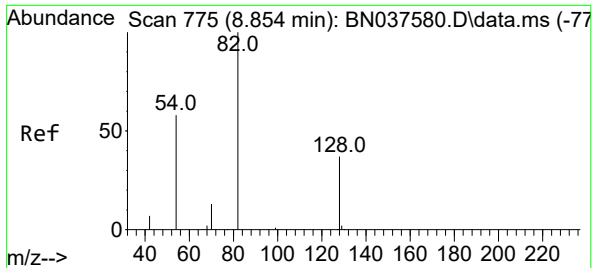
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 99      | 100   |       |       |
| 42      | 24.2  | 18.5  | 27.7  |
| 71      | 45.4  | 28.6  | 42.8  |



#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.498 min Scan# 929  
Delta R.T. 0.000 min  
Lab File: BN037612.D  
Acq: 19 Aug 2025 17:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 136     | 100   |       |       |
| 137     | 12.2  | 9.5   | 14.3  |
| 54      | 8.0   | 7.3   | 10.9  |
| 68      | 5.7   | 5.1   | 7.7   |

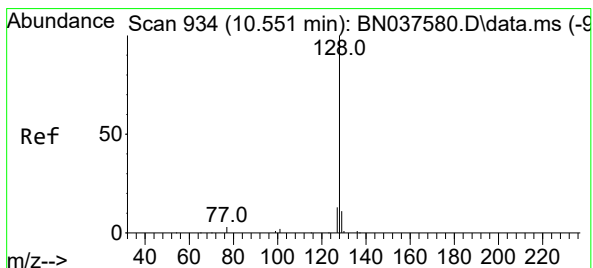
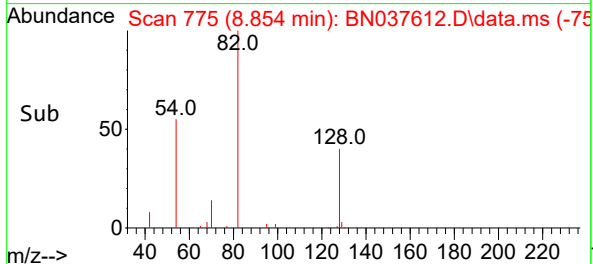
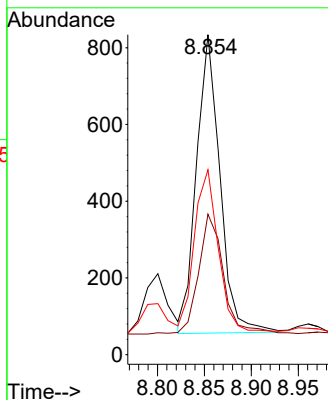
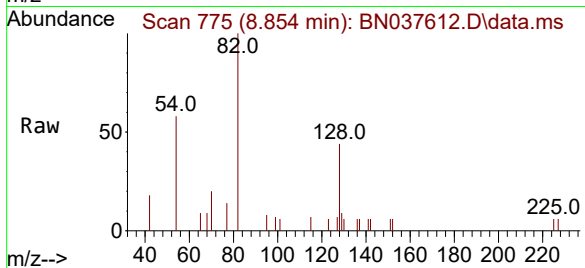




#8  
Nitrobenzene-d5  
Concen: 0.355 ng  
RT: 8.854 min Scan# 71  
Delta R.T. 0.000 min  
Lab File: BN037612.D  
Acq: 19 Aug 2025 17:54

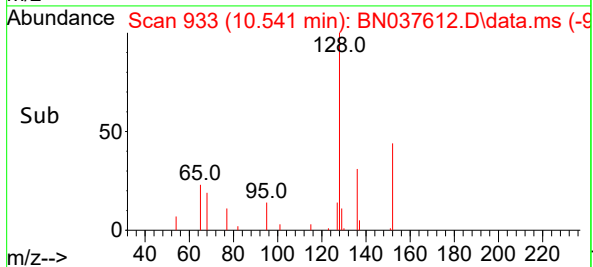
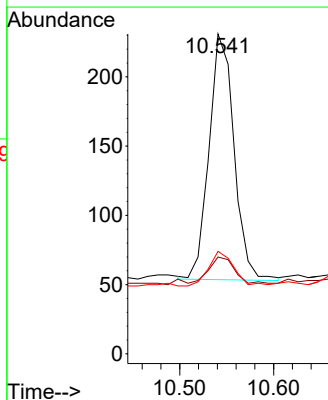
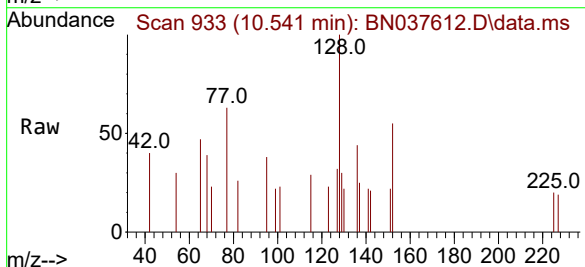
Instrument :  
BNA\_N  
ClientSampleId :  
EB01-081325

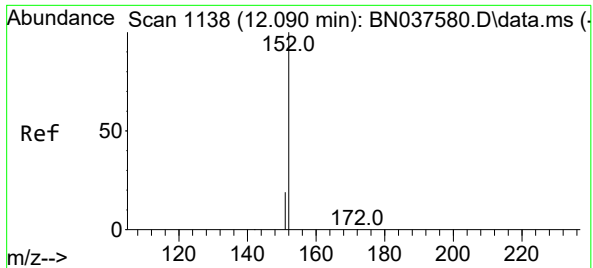
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 43.9  | 32.6  | 48.8  |
| 54      | 57.8  | 48.9  | 73.3  |



#9  
Naphthalene  
Concen: 0.023 ng  
RT: 10.541 min Scan# 933  
Delta R.T. -0.011 min  
Lab File: BN037612.D  
Acq: 19 Aug 2025 17:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 129     | 30.3  | 9.8   | 14.6# |
| 127     | 32.0  | 11.5  | 17.3# |

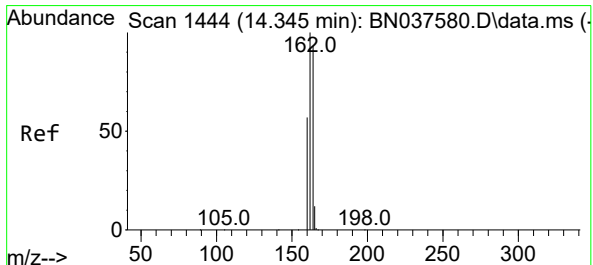
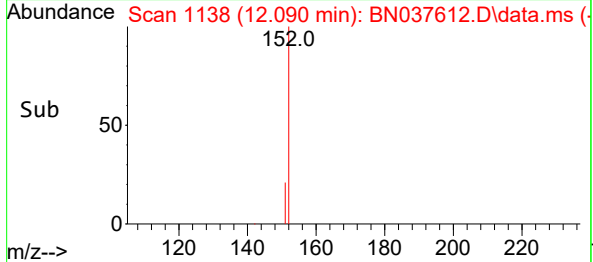
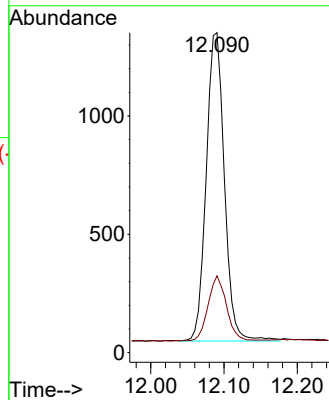
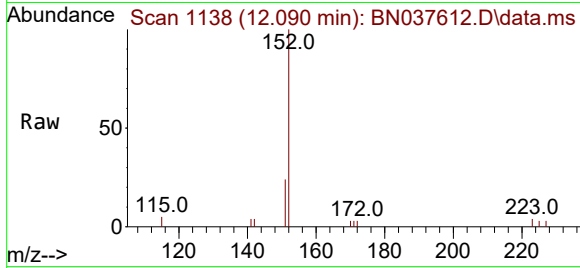




#11  
2-Methylnaphthalene-d10  
Concen: 0.304 ng  
RT: 12.090 min Scan# 1138  
Delta R.T. 0.000 min  
Lab File: BN037612.D  
Acq: 19 Aug 2025 17:54

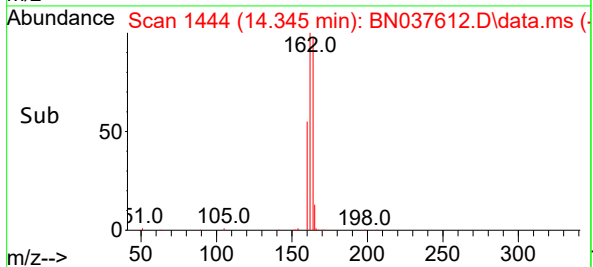
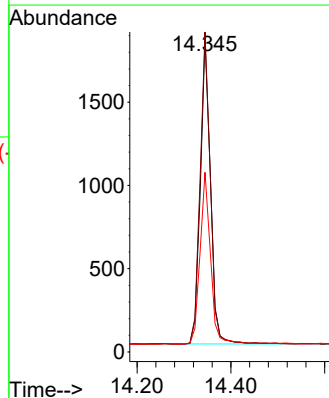
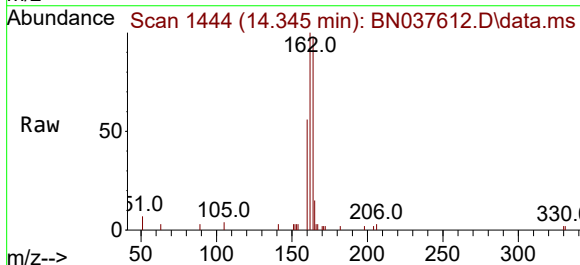
Instrument :  
BNA\_N  
ClientSampleId :  
EB01-081325

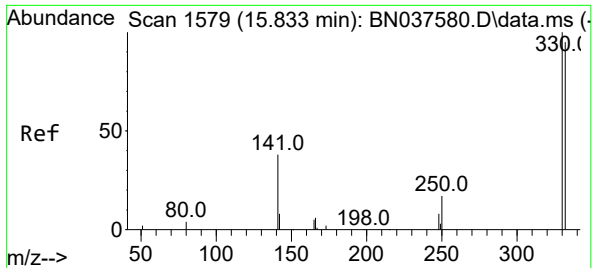
Tgt Ion:152 Resp: 2242  
Ion Ratio Lower Upper  
152 100  
151 21.6 17.3 25.9



#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.345 min Scan# 1444  
Delta R.T. 0.000 min  
Lab File: BN037612.D  
Acq: 19 Aug 2025 17:54

Tgt Ion:164 Resp: 2768  
Ion Ratio Lower Upper  
164 100  
162 102.0 85.5 128.3  
160 57.3 49.5 74.3

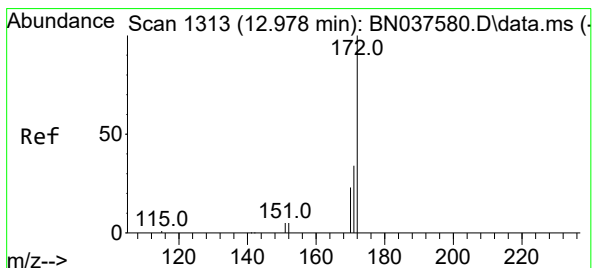
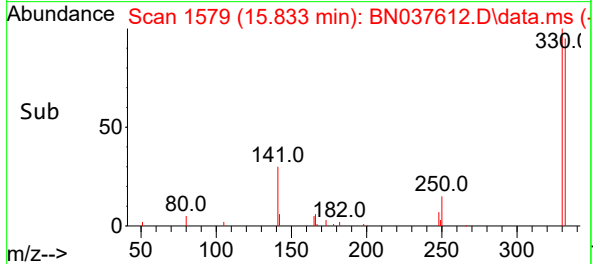
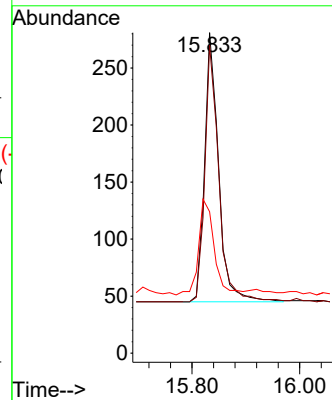
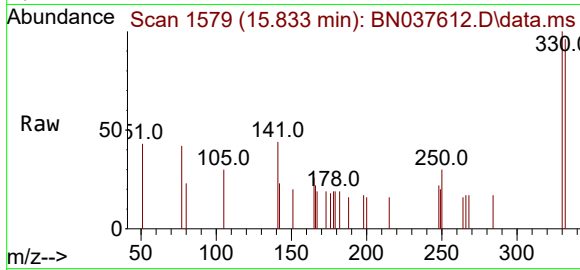




#14  
2,4,6-Tribromophenol  
Concen: 0.352 ng  
RT: 15.833 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BN037612.D  
Acq: 19 Aug 2025 17:54

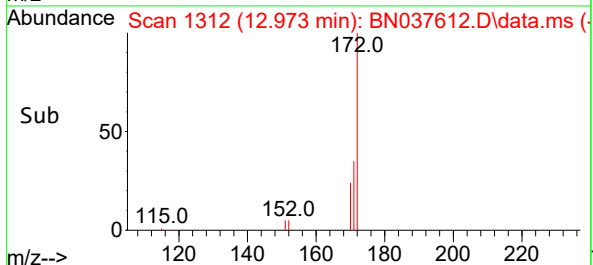
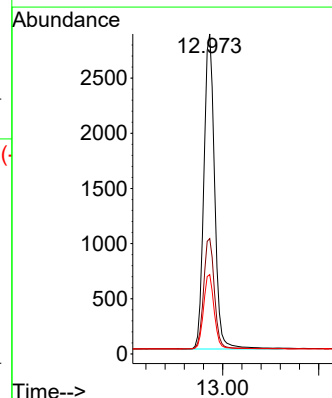
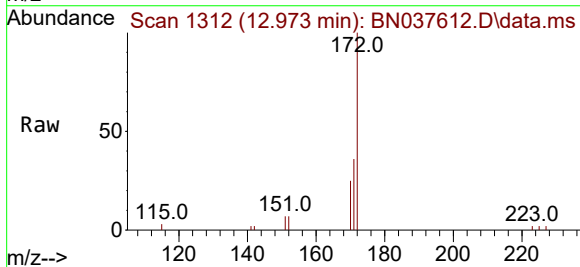
Instrument :  
BNA\_N  
ClientSampleId :  
EB01-081325

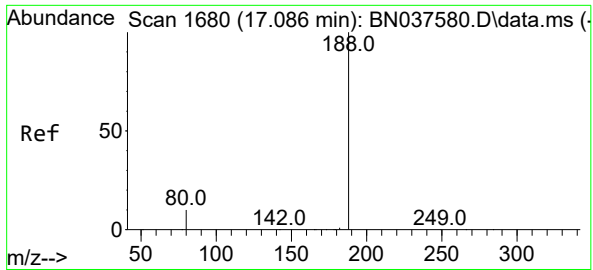
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 330   | Resp: | 427   |
| Ion Ratio | Lower | Upper |       |
| 330       | 100   |       |       |
| 332       | 95.3  | 77.4  | 116.0 |
| 141       | 40.0  | 30.9  | 46.3  |



#15  
2-Fluorobiphenyl  
Concen: 0.389 ng  
RT: 12.973 min Scan# 1312  
Delta R.T. -0.005 min  
Lab File: BN037612.D  
Acq: 19 Aug 2025 17:54

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 172   | Resp: | 6231 |
| Ion Ratio | Lower | Upper |      |
| 172       | 100   |       |      |
| 171       | 36.1  | 28.2  | 42.4 |
| 170       | 24.8  | 19.2  | 28.8 |





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.086 min Scan# 1

Delta R.T. 0.000 min

Lab File: BN037612.D

Acq: 19 Aug 2025 17:54

Instrument :

BNA\_N

ClientSampleId :

EB01-081325

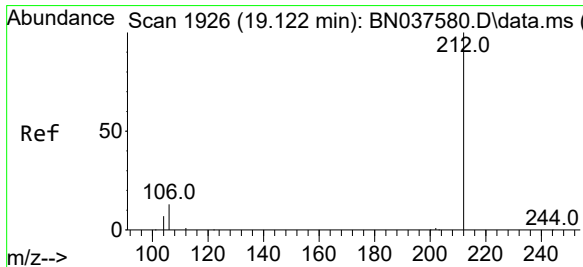
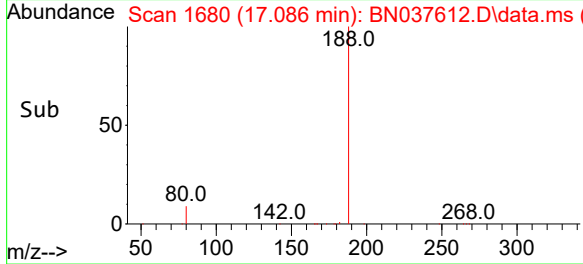
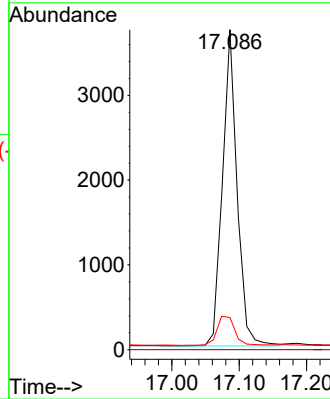
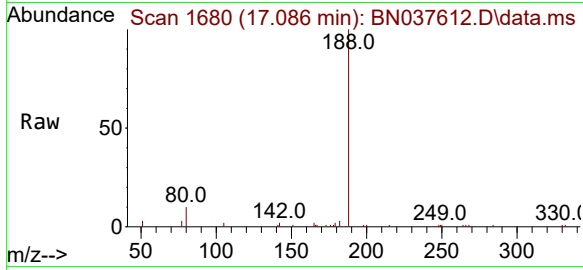
Tgt Ion:188 Resp: 5604

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 10.0 9.1 13.7



#27

Fluoranthene-d10

Concen: 0.389 ng

RT: 19.118 min Scan# 1925

Delta R.T. -0.005 min

Lab File: BN037612.D

Acq: 19 Aug 2025 17:54

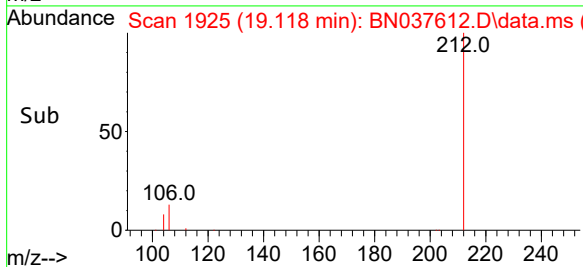
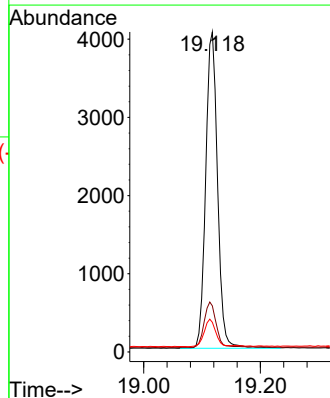
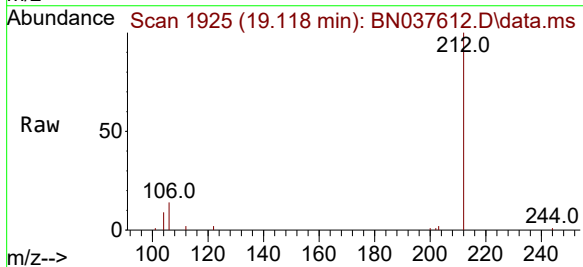
Tgt Ion:212 Resp: 5735

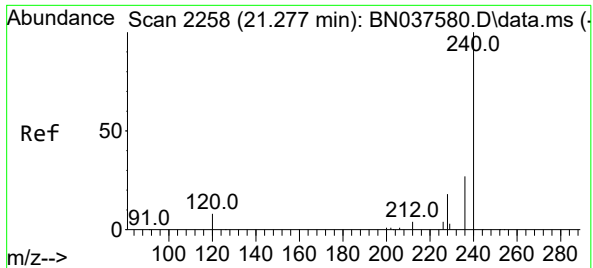
Ion Ratio Lower Upper

212 100

106 14.6 11.5 17.3

104 8.5 6.6 9.8





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.268 min Scan# 21

Delta R.T. -0.009 min

Lab File: BN037612.D

Acq: 19 Aug 2025 17:54

Instrument :

BNA\_N

ClientSampleId :

EB01-081325

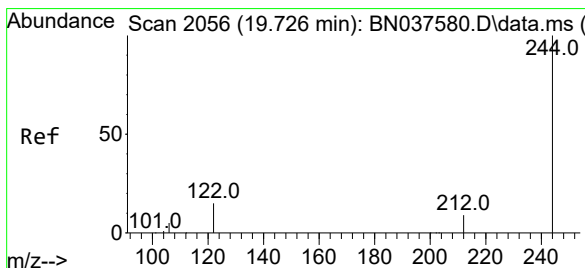
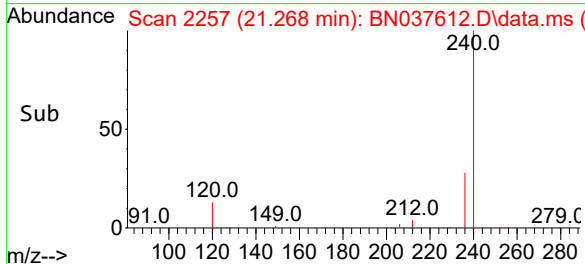
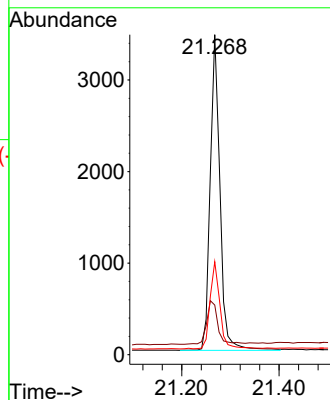
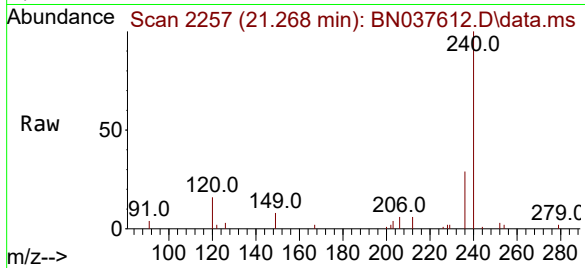
Tgt Ion:240 Resp: 4806

Ion Ratio Lower Upper

240 100

120 15.5 8.9 13.3#

236 29.0 22.6 33.8



#31

Terphenyl-d14

Concen: 0.490 ng

RT: 19.722 min Scan# 2055

Delta R.T. -0.005 min

Lab File: BN037612.D

Acq: 19 Aug 2025 17:54

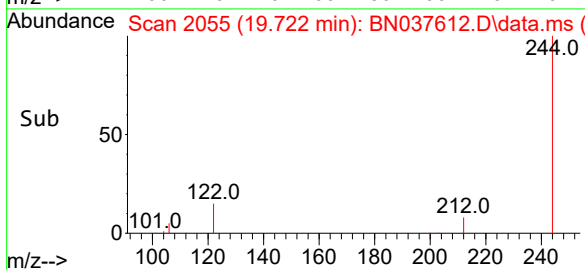
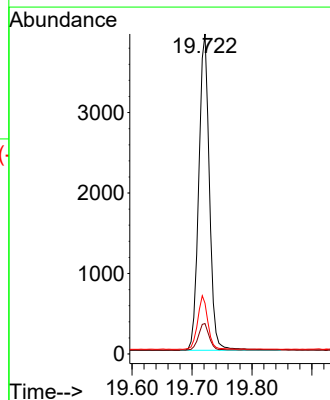
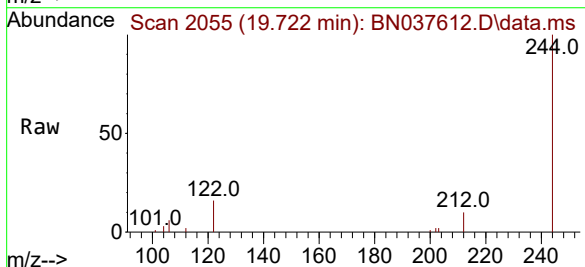
Tgt Ion:244 Resp: 4846

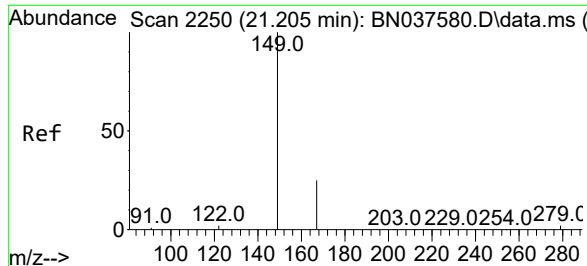
Ion Ratio Lower Upper

244 100

212 9.5 8.2 12.2

122 15.9 13.2 19.8





#34

Bis(2-ethylhexyl)phthalate

Concen: 0.093 ng

RT: 21.196 min Scan# 21

Delta R.T. -0.009 min

Lab File: BN037612.D

Acq: 19 Aug 2025 17:54

Instrument :

BNA\_N

ClientSampleId :

EB01-081325

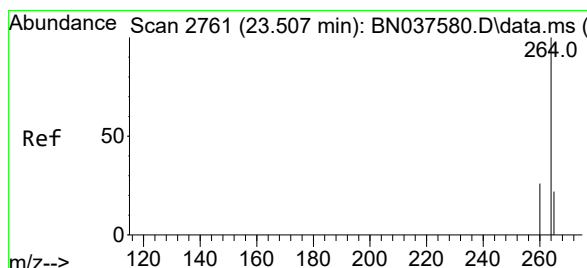
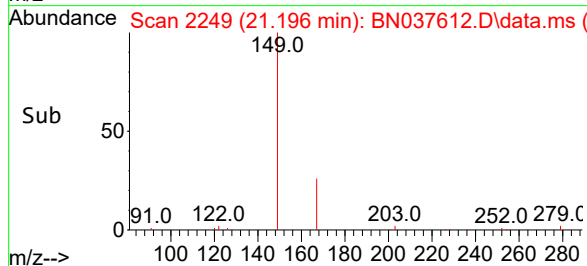
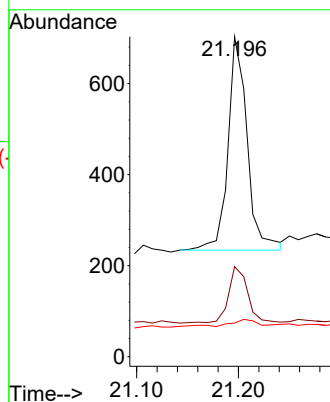
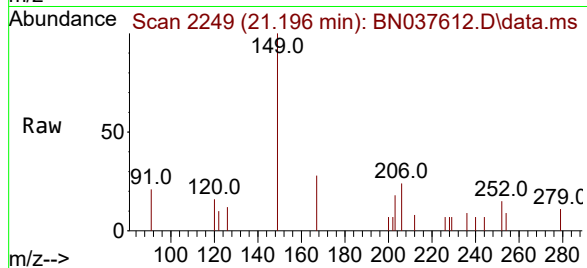
Tgt Ion:149 Resp: 615

Ion Ratio Lower Upper

149 100

167 26.5 20.5 30.7

279 4.4 2.6 4.0#



#35

Perylene-d12

Concen: 0.400 ng

RT: 23.502 min Scan# 2759

Delta R.T. -0.006 min

Lab File: BN037612.D

Acq: 19 Aug 2025 17:54

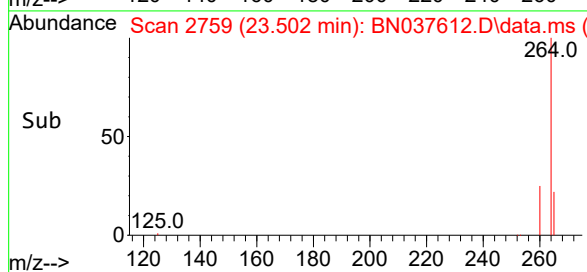
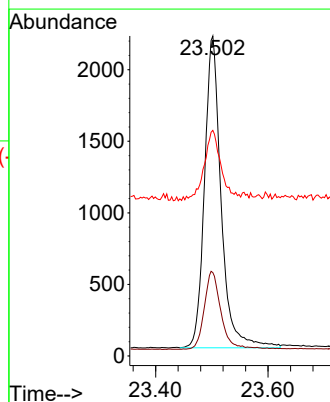
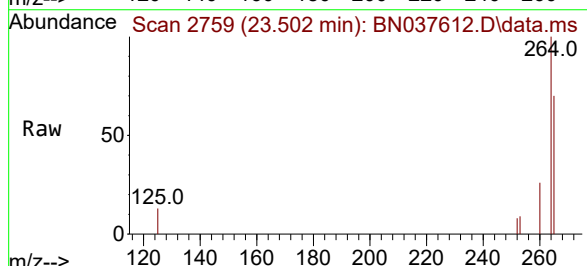
Tgt Ion:264 Resp: 4479

Ion Ratio Lower Upper

264 100

260 26.1 21.6 32.4

265 70.5 48.2 72.4



6

A

B

C

D

E

F

G

H

I

J

K

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN081925\  
Data File : BN037613.D  
Acq On : 19 Aug 2025 18:30  
Operator : RC/JU  
Sample : Q2869-10  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
EB02-081325

Quant Time: Aug 20 01:28:26 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN081225.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Aug 13 05:00:58 2025  
Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.717  | 152  | 2371     | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.498 | 136  | 5789     | 0.400 | ng    | 0.00     |
| 13) Acenaphthene-d10          | 14.345 | 164  | 2832     | 0.400 | ng    | 0.00     |
| 19) Phenanthrene-d10          | 17.086 | 188  | 5676     | 0.400 | ng    | 0.00     |
| 29) Chrysene-d12              | 21.268 | 240  | 4482     | 0.400 | ng    | # 0.00   |
| 35) Perylene-d12              | 23.499 | 264  | 4034     | 0.400 | ng    | # 0.00   |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.305  | 112  | 578      | 0.108 | ng    | 0.00     |
| 5) Phenol-d6                  | 6.879  | 99   | 411      | 0.064 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 8.854  | 82   | 1090     | 0.267 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10   | 12.085 | 152  | 1923     | 0.244 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 15.833 | 330  | 277      | 0.223 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 12.973 | 172  | 4503     | 0.275 | ng    | 0.00     |
| 27) Fluoranthene-d10          | 19.118 | 212  | 5122     | 0.343 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.717 | 244  | 4041     | 0.438 | ng    | 0.00     |
| Target Compounds              |        |      |          |       |       |          |
| 34) Bis(2-ethylhexyl)phtha... | 21.196 | 149  | 452      | 0.073 | ng    | # 99     |

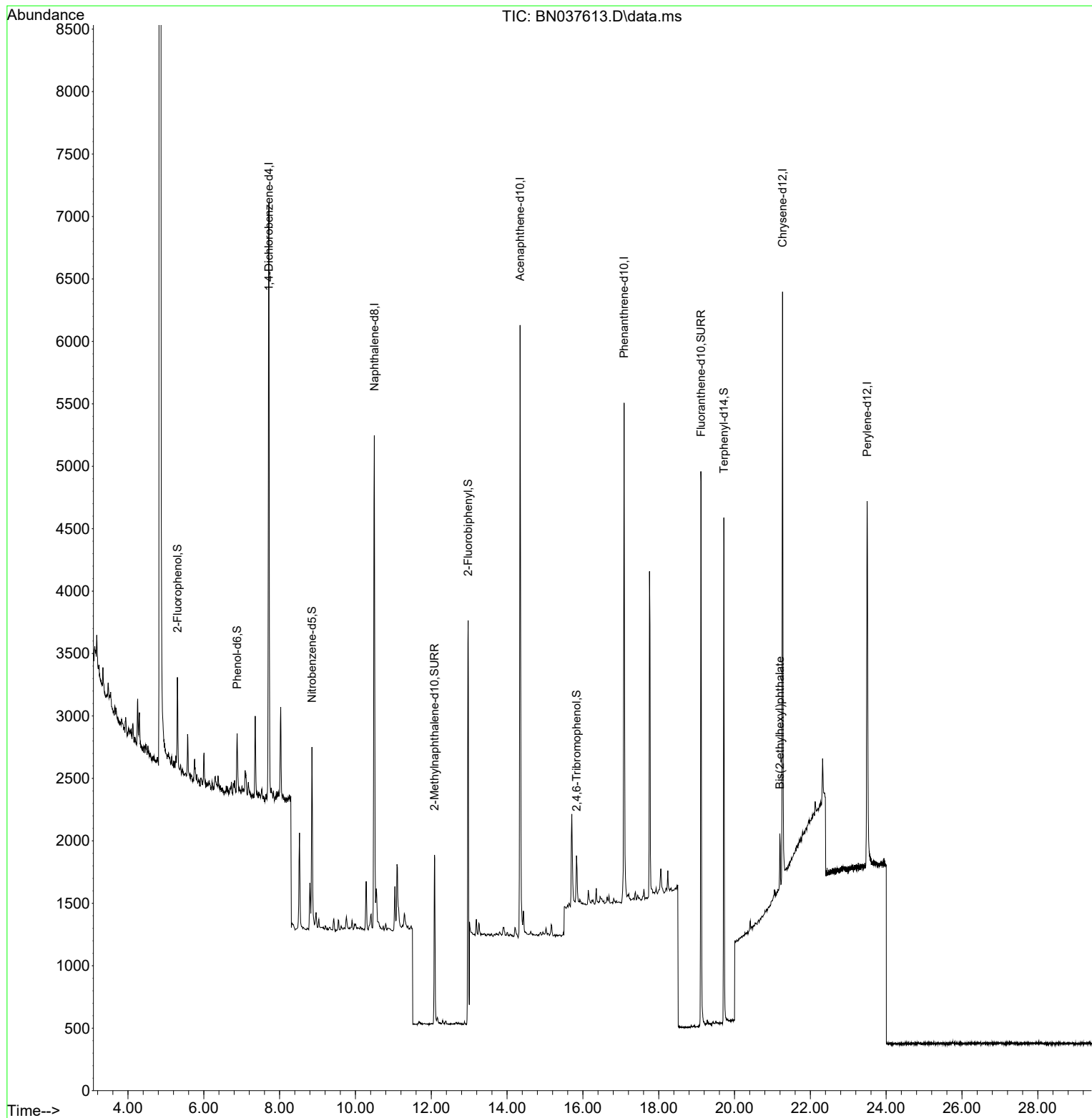
(#) = qualifier out of range (m) = manual integration (+) = signals summed

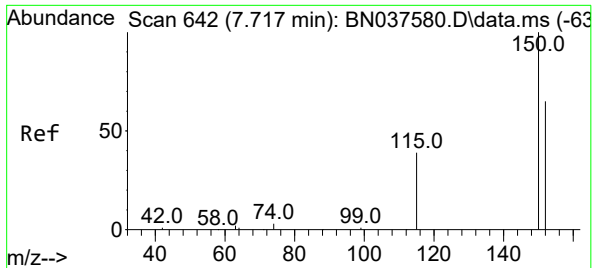


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Data File : BN037613.D  
Acq On : 19 Aug 2025 18:30  
Operator : RC/JU  
Sample : Q2869-10  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
EB02-081325

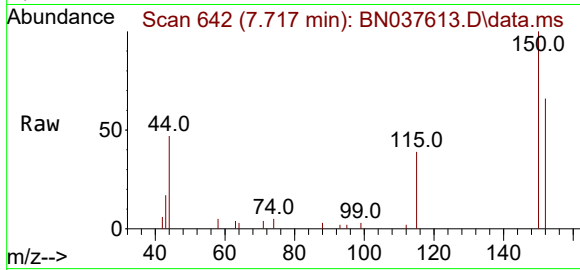
Quant Time: Aug 20 01:28:26 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN081225.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Aug 13 05:00:58 2025  
Response via : Initial Calibration



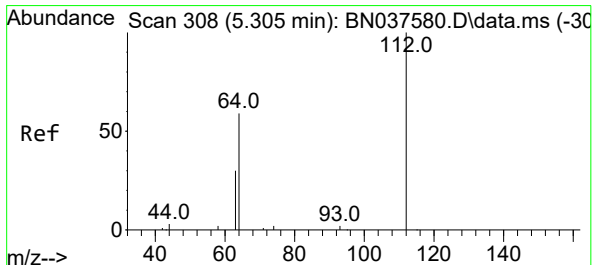
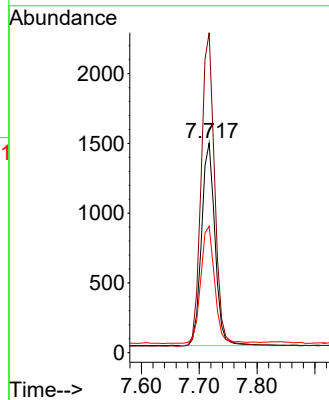
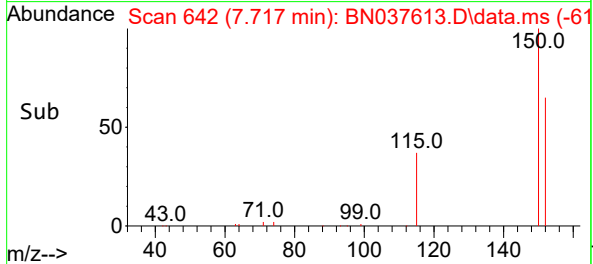


#1  
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.717 min Scan# 642  
Delta R.T. 0.000 min  
Lab File: BN037613.D  
Acq: 19 Aug 2025 18:30

Instrument :  
BNA\_N  
ClientSampleId :  
EB02-081325

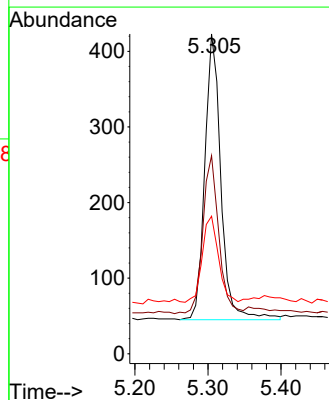
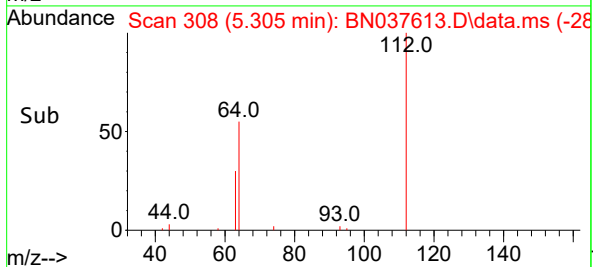
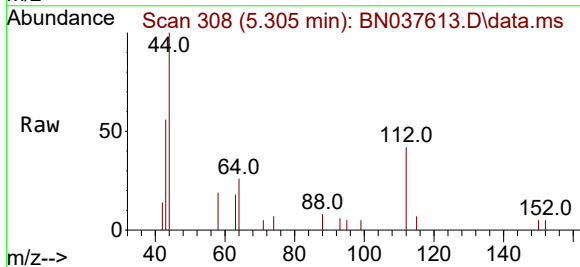


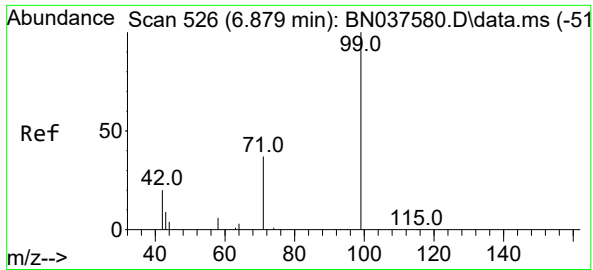
Tgt Ion:152 Resp: 2371  
Ion Ratio Lower Upper  
152 100  
150 152.5 122.2 183.4  
115 60.2 49.8 74.6



#4  
2-Fluorophenol  
Concen: 0.108 ng  
RT: 5.305 min Scan# 308  
Delta R.T. 0.000 min  
Lab File: BN037613.D  
Acq: 19 Aug 2025 18:30

Tgt Ion:112 Resp: 578  
Ion Ratio Lower Upper  
112 100  
64 54.7 44.9 67.3  
63 31.3 23.4 35.2

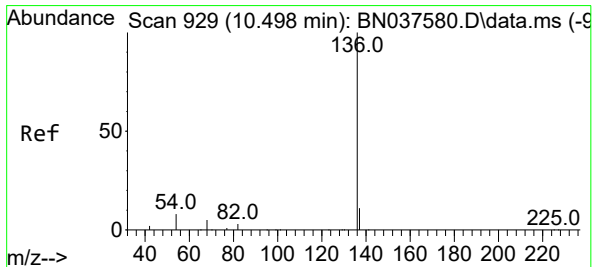
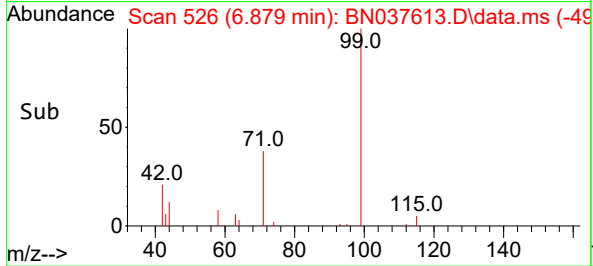
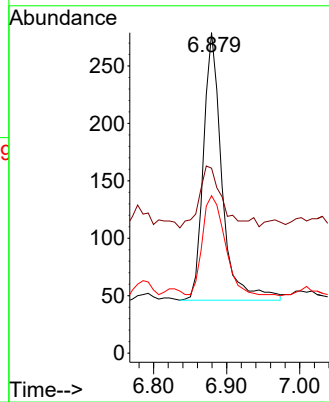
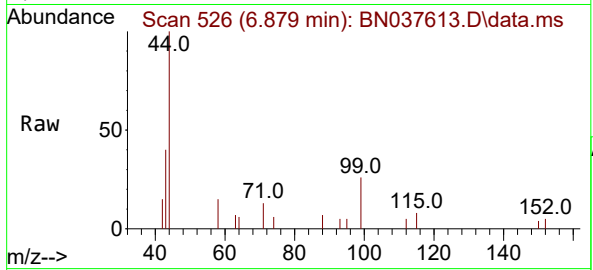




#5  
Phenol-d6  
Concen: 0.064 ng  
RT: 6.879 min Scan# 51  
Delta R.T. 0.000 min  
Lab File: BN037613.D  
Acq: 19 Aug 2025 18:30

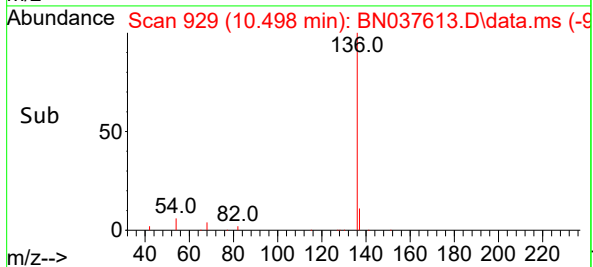
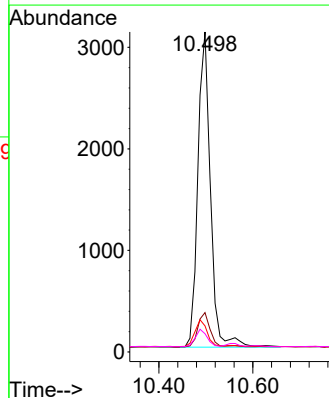
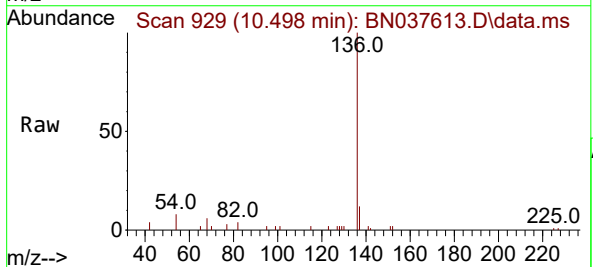
Instrument :  
BNA\_N  
ClientSampleId :  
EB02-081325

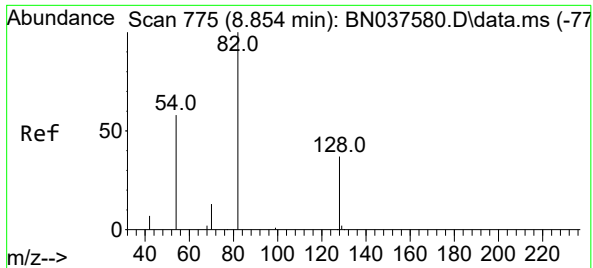
Tgt Ion: 99 Resp: 411  
Ion Ratio Lower Upper  
99 100  
42 29.2 18.5 27.7#  
71 45.7 28.6 42.8#



#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.498 min Scan# 929  
Delta R.T. 0.000 min  
Lab File: BN037613.D  
Acq: 19 Aug 2025 18:30

Tgt Ion: 136 Resp: 5789  
Ion Ratio Lower Upper  
136 100  
137 12.3 9.5 14.3  
54 8.2 7.3 10.9  
68 5.7 5.1 7.7

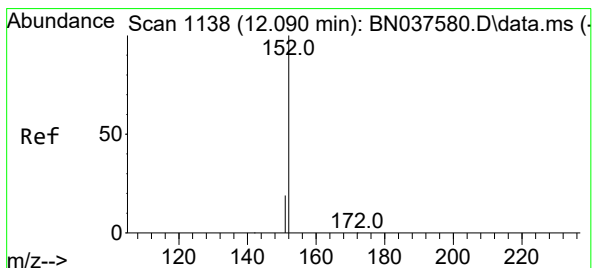
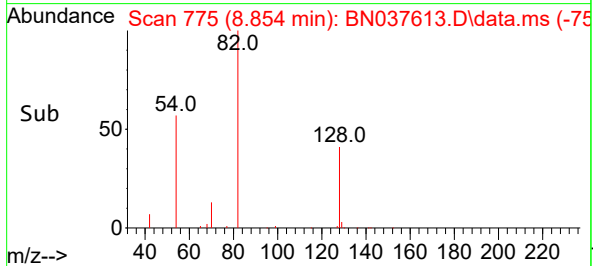
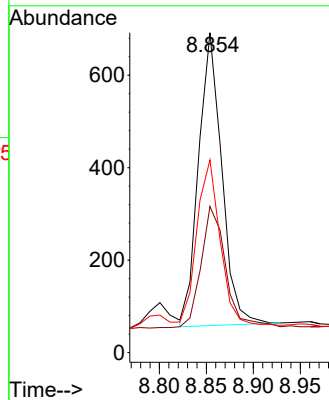
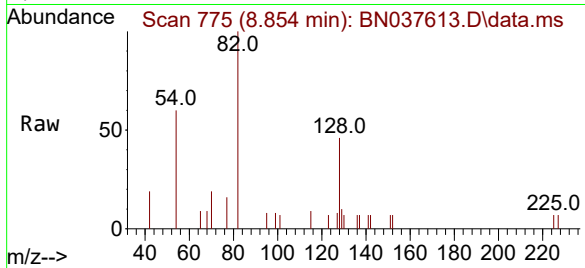




#8  
Nitrobenzene-d5  
Concen: 0.267 ng  
RT: 8.854 min Scan# 71  
Delta R.T. 0.000 min  
Lab File: BN037613.D  
Acq: 19 Aug 2025 18:30

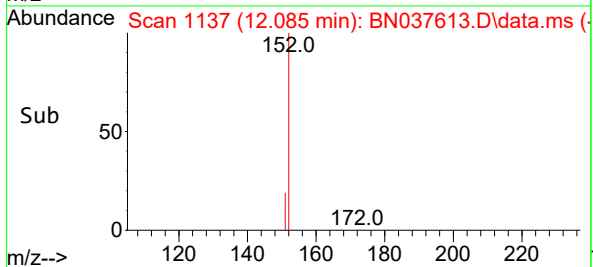
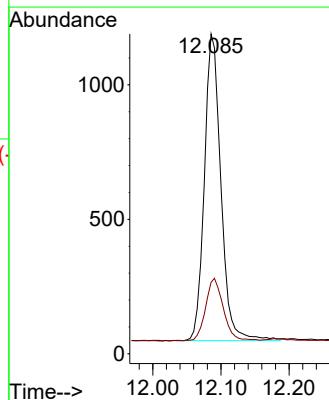
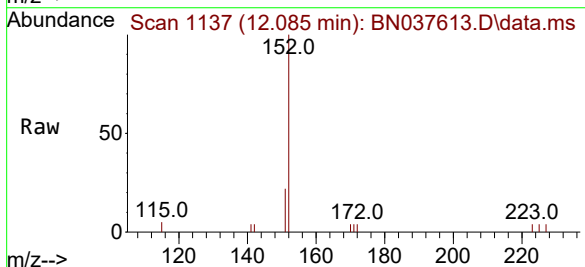
Instrument :  
BNA\_N  
ClientSampleId :  
EB02-081325

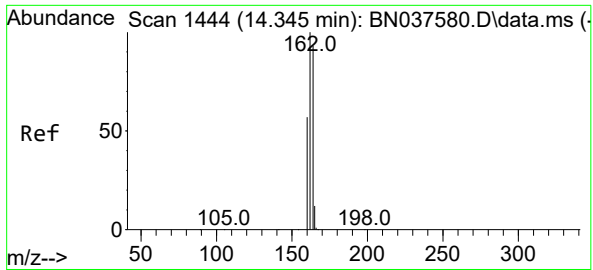
Tgt Ion: 82 Resp: 1090  
Ion Ratio Lower Upper  
82 100  
128 45.7 32.6 48.8  
54 60.3 48.9 73.3



#11  
2-Methylnaphthalene-d10  
Concen: 0.244 ng  
RT: 12.085 min Scan# 1137  
Delta R.T. -0.005 min  
Lab File: BN037613.D  
Acq: 19 Aug 2025 18:30

Tgt Ion: 152 Resp: 1923  
Ion Ratio Lower Upper  
152 100  
151 21.7 17.3 25.9

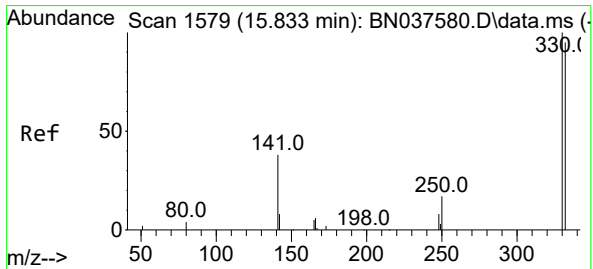
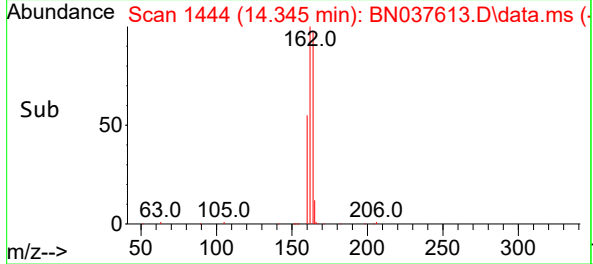
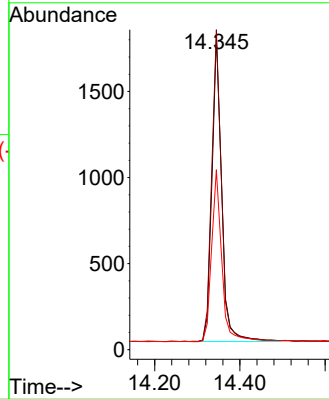
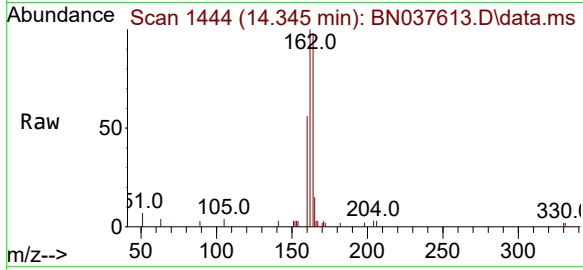




#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.345 min Scan# 1444  
Delta R.T. 0.000 min  
Lab File: BN037613.D  
Acq: 19 Aug 2025 18:30

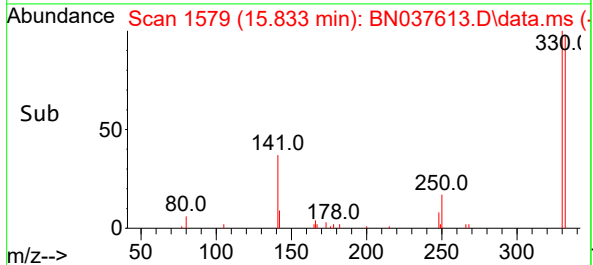
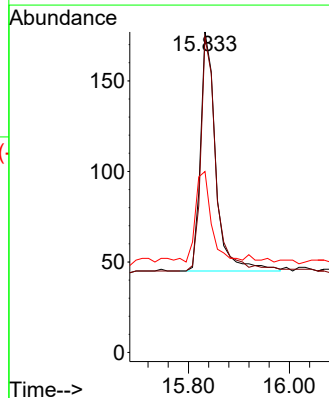
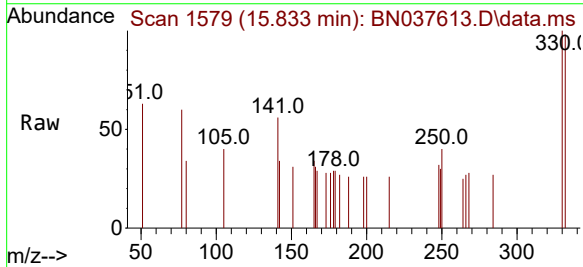
Instrument :  
BNA\_N  
ClientSampleId :  
EB02-081325

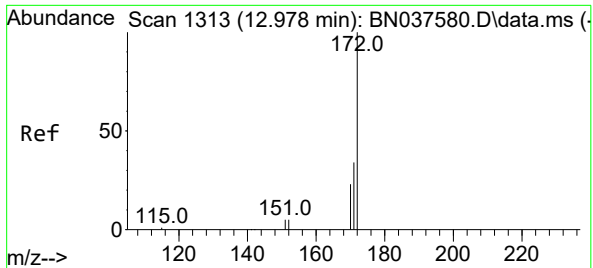
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 101.9 | 85.5  | 128.3 |
| 160     | 57.3  | 49.5  | 74.3  |



#14  
2,4,6-Tribromophenol  
Concen: 0.223 ng  
RT: 15.833 min Scan# 1579  
Delta R.T. 0.000 min  
Lab File: BN037613.D  
Acq: 19 Aug 2025 18:30

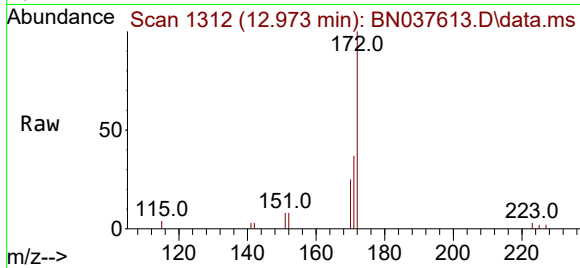
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 97.5  | 77.4  | 116.0 |
| 141     | 38.3  | 30.9  | 46.3  |



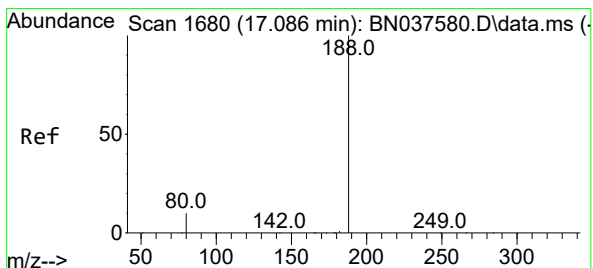
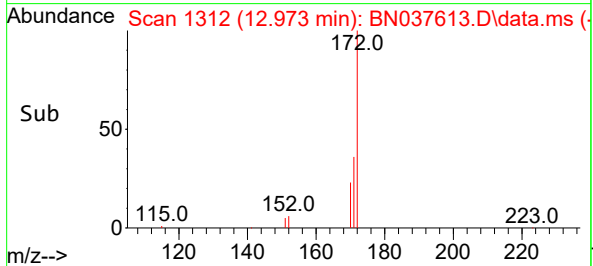
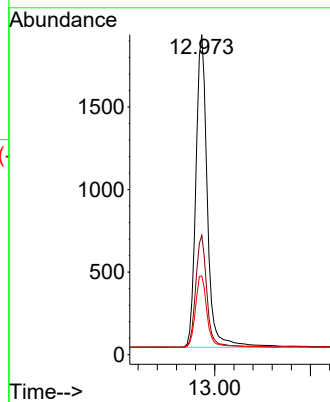


#15  
2-Fluorobiphenyl  
Concen: 0.275 ng  
RT: 12.973 min Scan# 11  
Delta R.T. -0.005 min  
Lab File: BN037613.D  
Acq: 19 Aug 2025 18:30

Instrument :  
BNA\_N  
ClientSampleId :  
EB02-081325

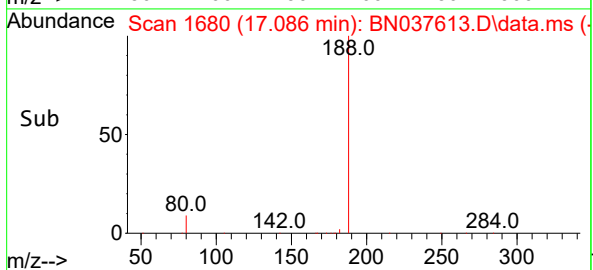
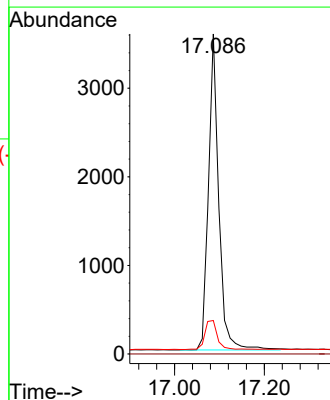
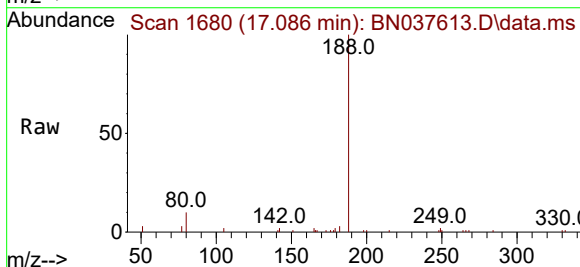


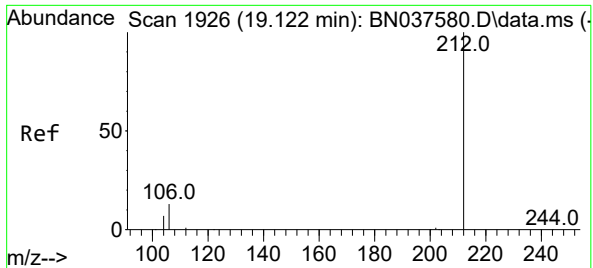
Tgt Ion:172 Resp: 4503  
Ion Ratio Lower Upper  
172 100  
171 37.3 28.2 42.4  
170 24.6 19.2 28.8



#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.086 min Scan# 1680  
Delta R.T. 0.000 min  
Lab File: BN037613.D  
Acq: 19 Aug 2025 18:30

Tgt Ion:188 Resp: 5676  
Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 10.5 9.1 13.7





#27

Fluoranthene-d10

Concen: 0.343 ng

RT: 19.118 min Scan# 1925

Delta R.T. -0.005 min

Lab File: BN037613.D

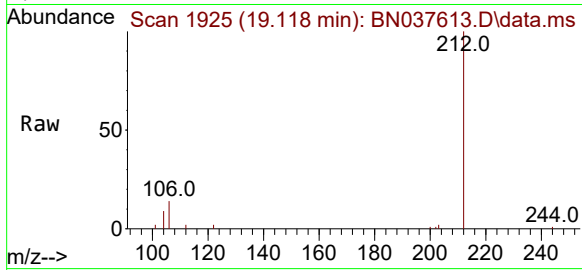
Acq: 19 Aug 2025 18:30

Instrument :

BNA\_N

ClientSampleId :

EB02-081325



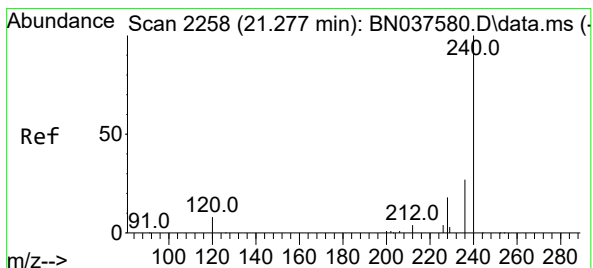
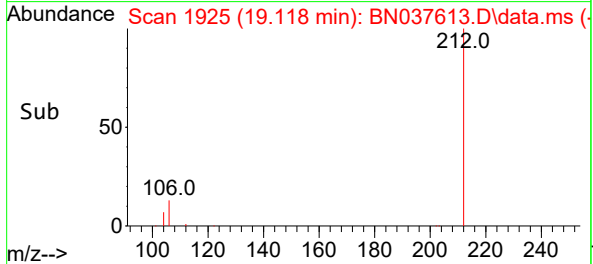
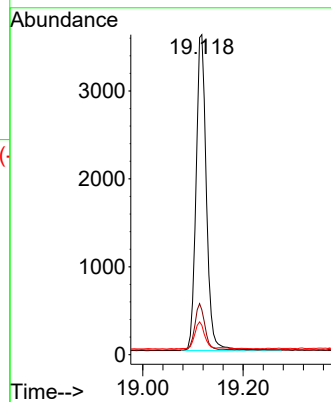
Tgt Ion:212 Resp: 5122

Ion Ratio Lower Upper

212 100

106 14.4 11.5 17.3

104 8.3 6.6 9.8



#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.268 min Scan# 2257

Delta R.T. -0.009 min

Lab File: BN037613.D

Acq: 19 Aug 2025 18:30

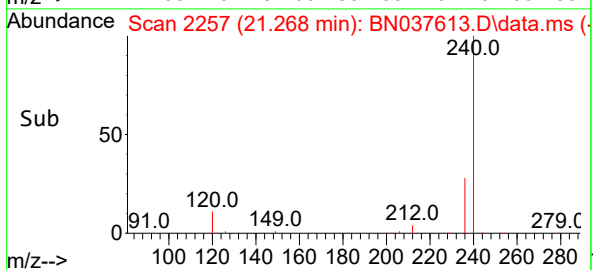
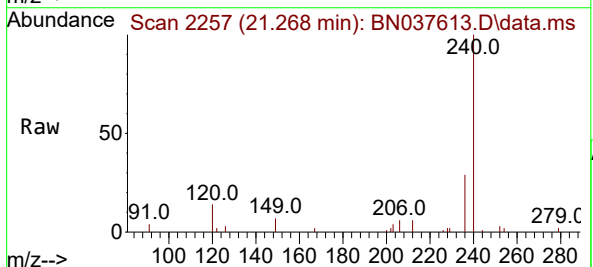
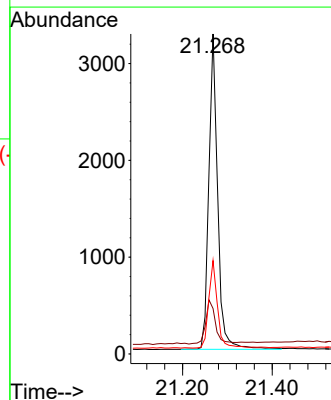
Tgt Ion:240 Resp: 4482

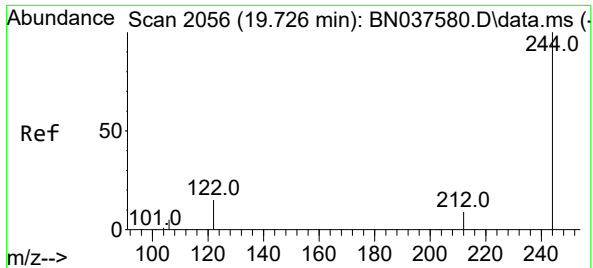
Ion Ratio Lower Upper

240 100

120 14.2 8.9 13.3#

236 29.2 22.6 33.8

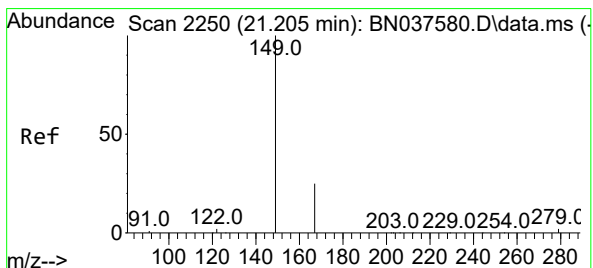
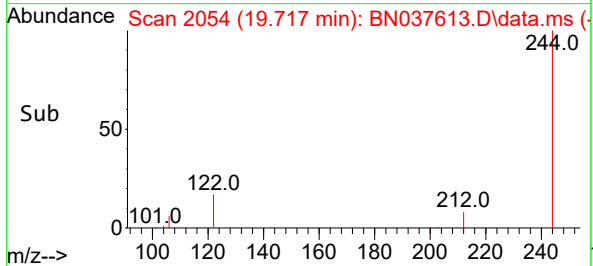
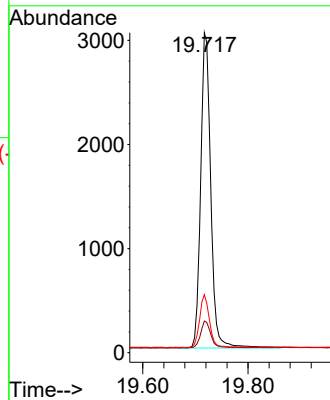
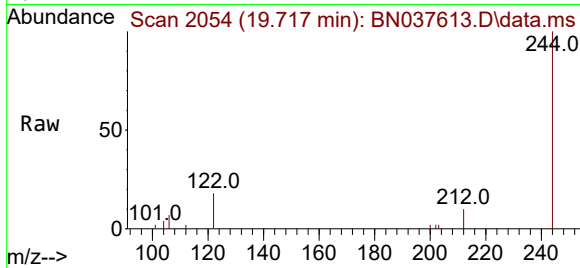




#31  
Terphenyl-d14  
Concen: 0.438 ng  
RT: 19.717 min Scan# 2056  
Delta R.T. -0.009 min  
Lab File: BN037613.D  
Acq: 19 Aug 2025 18:30

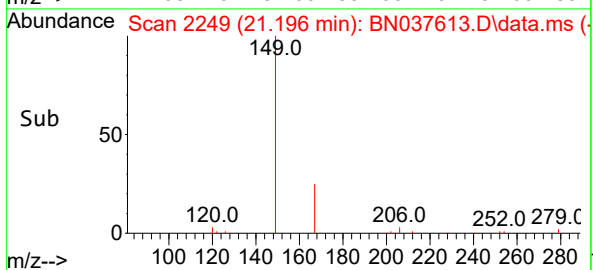
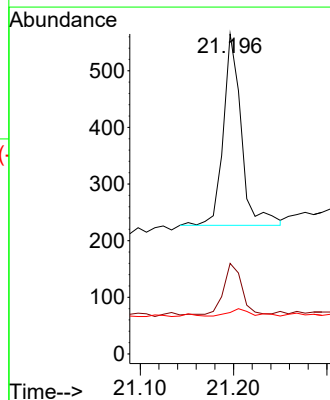
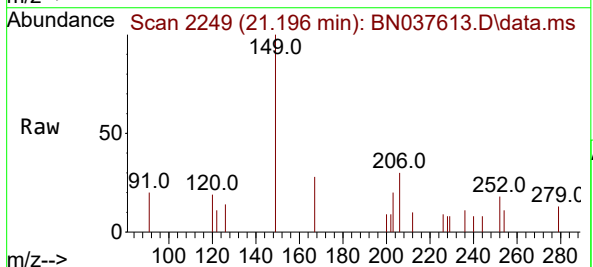
Instrument :  
BNA\_N  
ClientSampleId :  
EB02-081325

Tgt Ion:244 Resp: 4041  
Ion Ratio Lower Upper  
244 100  
212 9.9 8.2 12.2  
122 18.2 13.2 19.8

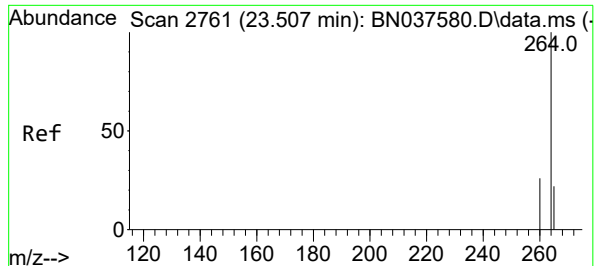


#34  
Bis(2-ethylhexyl)phthalate  
Concen: 0.073 ng  
RT: 21.196 min Scan# 2249  
Delta R.T. -0.009 min  
Lab File: BN037613.D  
Acq: 19 Aug 2025 18:30

Tgt Ion:149 Resp: 452  
Ion Ratio Lower Upper  
149 100  
167 26.1 20.5 30.7  
279 4.4 2.6 4.0#







#35

Perylene-d12

Concen: 0.400 ng

RT: 23.499 min Scan# 21

Delta R.T. -0.009 min

Lab File: BN037613.D

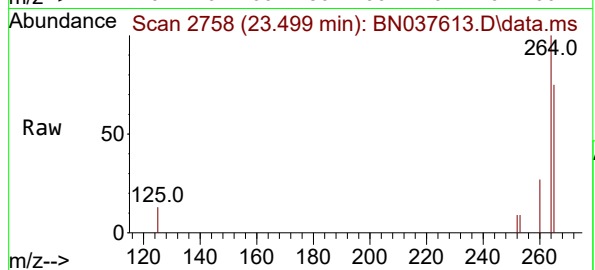
Acq: 19 Aug 2025 18:30

Instrument :

BNA\_N

ClientSampleId :

EB02-081325



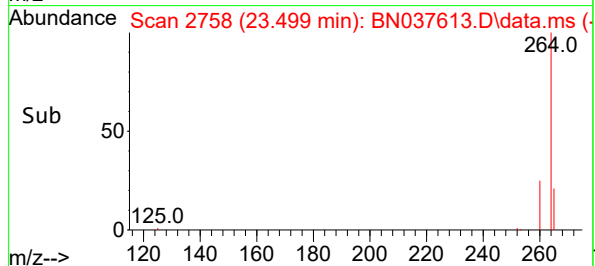
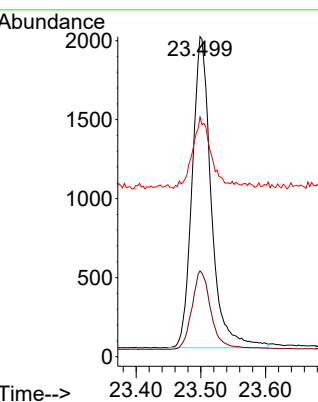
Tgt Ion:264 Resp: 4034

Ion Ratio Lower Upper

264 100

260 26.8 21.6 32.4

265 74.9 48.2 72.4#



6

A

B

C

D

E

F

G

H

I

J

K

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN081925\  
Data File : BN037619.D  
Acq On : 20 Aug 2025 04:50  
Operator : RC/JU  
Sample : PB169286BL  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
PB169286BL

Quant Time: Aug 20 06:13:41 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN081225.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Aug 13 05:00:58 2025  
Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|--------|------|----------|-------|-------|----------|
| Internal Standards          |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.710  | 152  | 2323     | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8           | 10.498 | 136  | 5229     | 0.400 | ng    | 0.00     |
| 13) Acenaphthene-d10        | 14.345 | 164  | 2344     | 0.400 | ng    | 0.00     |
| 19) Phenanthrene-d10        | 17.087 | 188  | 4466     | 0.400 | ng    | 0.00     |
| 29) Chrysene-d12            | 21.268 | 240  | 3733     | 0.400 | ng    | # 0.00   |
| 35) Perylene-d12            | 23.499 | 264  | 3552     | 0.400 | ng    | # 0.00   |
| System Monitoring Compounds |        |      |          |       |       |          |
| 4) 2-Fluorophenol           | 5.305  | 112  | 1799     | 0.342 | ng    | 0.00     |
| 5) Phenol-d6                | 6.880  | 99   | 1860     | 0.293 | ng    | 0.00     |
| 8) Nitrobenzene-d5          | 8.854  | 82   | 1323     | 0.359 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10 | 12.086 | 152  | 2298     | 0.323 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol    | 15.845 | 330  | 240      | 0.234 | ng    | 0.01     |
| 15) 2-Fluorobiphenyl        | 12.968 | 172  | 4692     | 0.346 | ng    | 0.00     |
| 27) Fluoranthene-d10        | 19.118 | 212  | 3886     | 0.331 | ng    | 0.00     |
| 31) Terphenyl-d14           | 19.717 | 244  | 2840     | 0.370 | ng    | 0.00     |

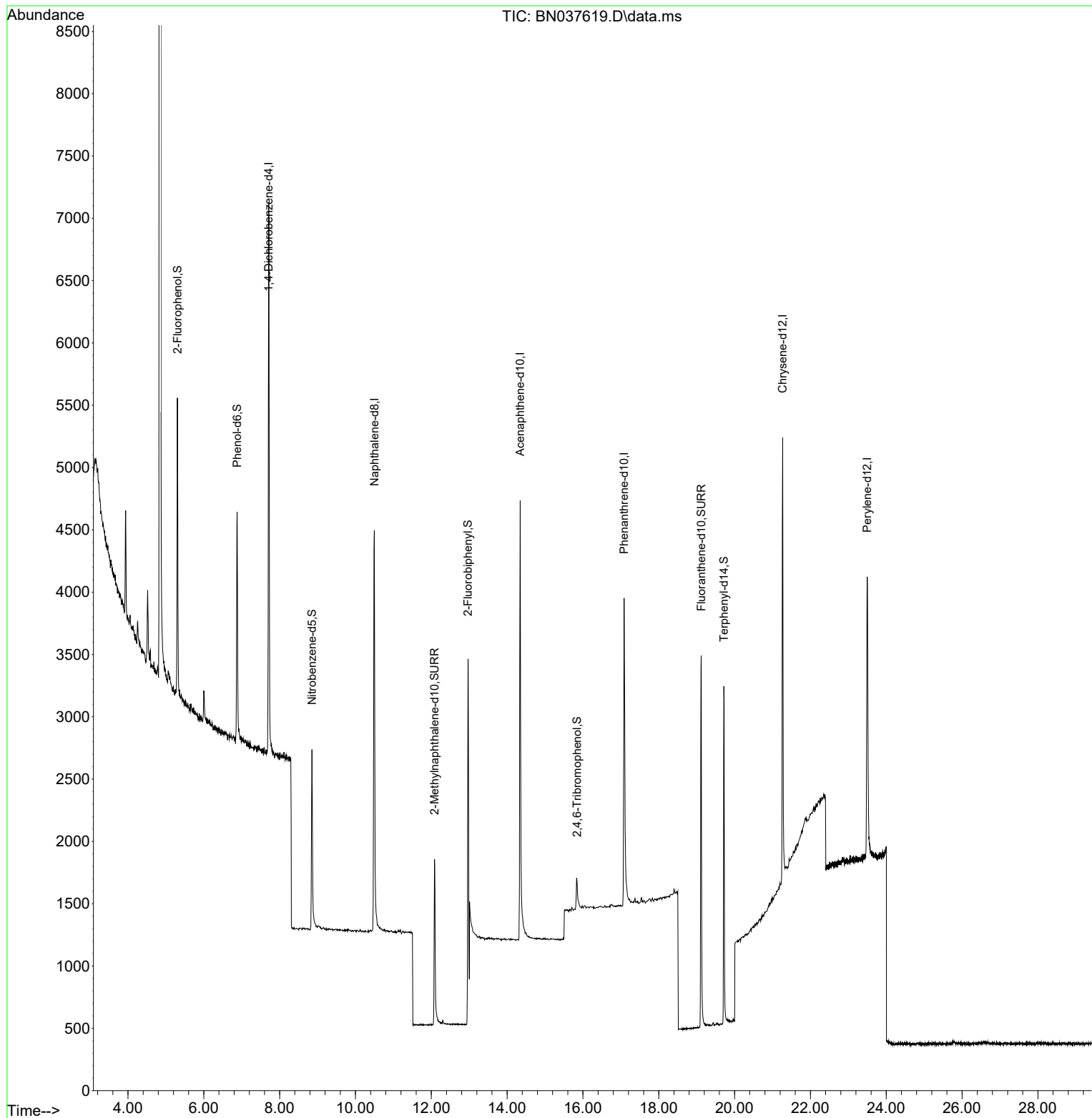
Target Compounds Qvalue

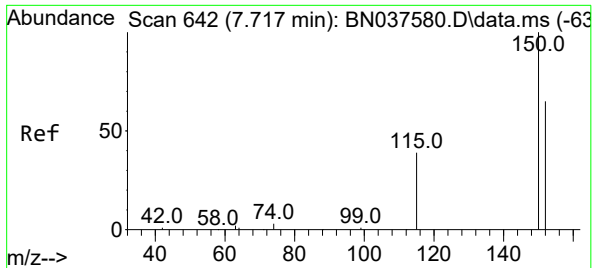
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN081925\  
Data File : BN037619.D  
Acq On : 20 Aug 2025 04:50  
Operator : RC/JU  
Sample : PB169286BL  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
PB169286BL

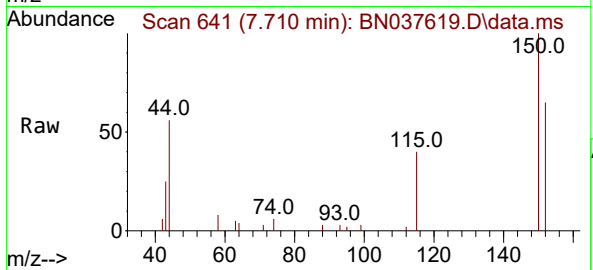
Quant Time: Aug 20 06:13:41 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN081225.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Aug 13 05:00:58 2025  
Response via : Initial Calibration



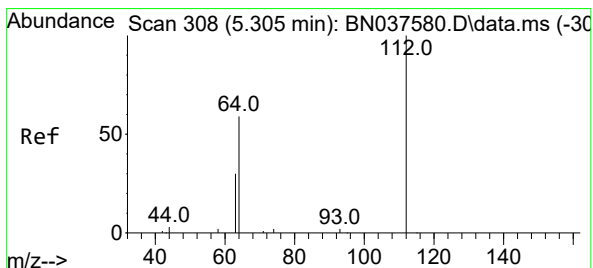
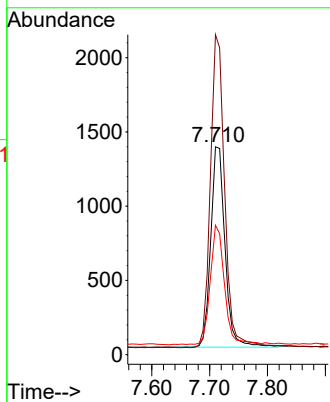
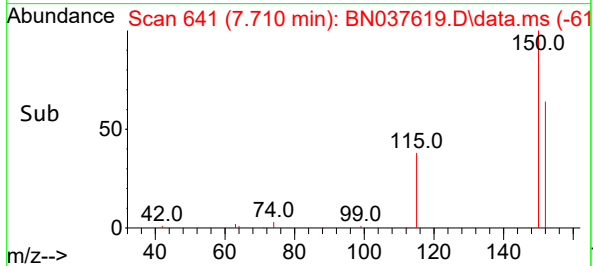


#1  
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.710 min Scan# 641  
Delta R.T. -0.007 min  
Lab File: BN037619.D  
Acq: 20 Aug 2025 04:50

Instrument :  
BNA\_N  
ClientSampleId :  
PB169286BL

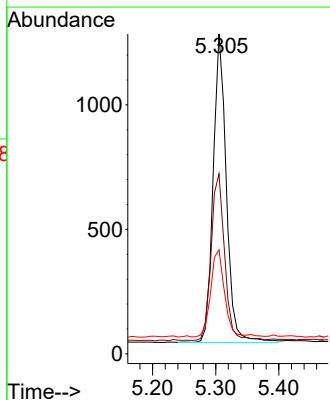
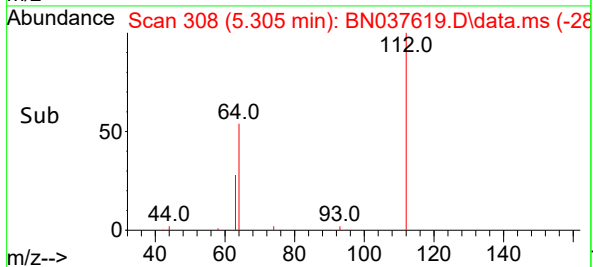
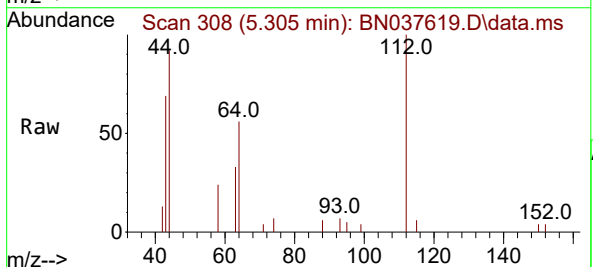


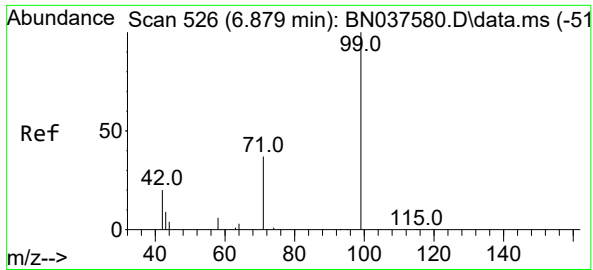
Tgt Ion:152 Resp: 2323  
Ion Ratio Lower Upper  
152 100  
150 153.9 122.2 183.4  
115 62.3 49.8 74.6



#4  
2-Fluorophenol  
Concen: 0.342 ng  
RT: 5.305 min Scan# 308  
Delta R.T. 0.000 min  
Lab File: BN037619.D  
Acq: 20 Aug 2025 04:50

Tgt Ion:112 Resp: 1799  
Ion Ratio Lower Upper  
112 100  
64 55.3 44.9 67.3  
63 30.0 23.4 35.2

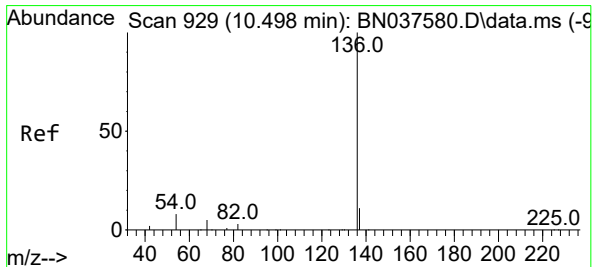
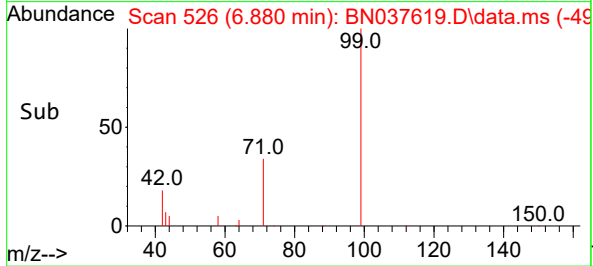
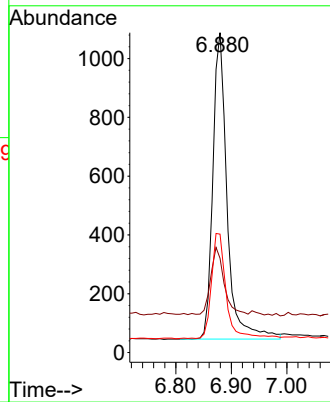
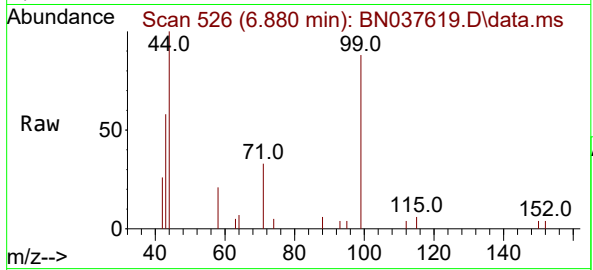




#5  
Phenol-d6  
Concen: 0.293 ng  
RT: 6.880 min Scan# 51  
Delta R.T. 0.000 min  
Lab File: BN037619.D  
Acq: 20 Aug 2025 04:50

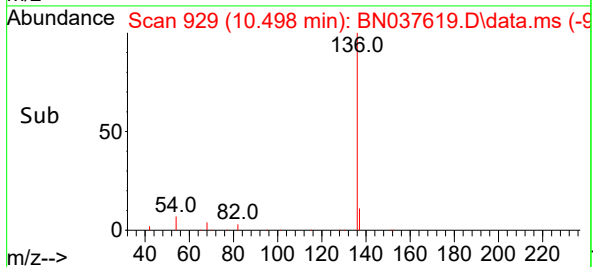
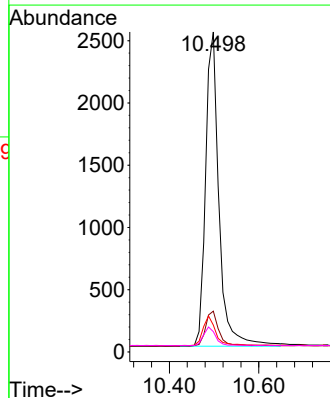
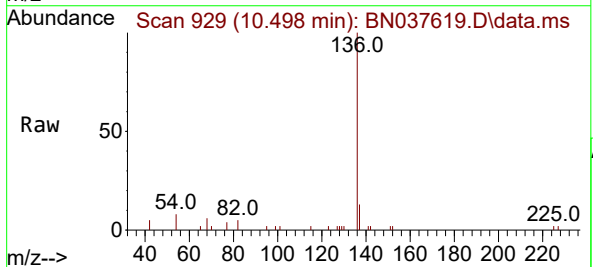
Instrument :  
BNA\_N  
ClientSampleId :  
PB169286BL

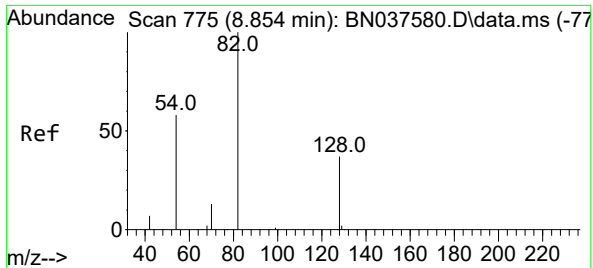
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 99    | Resp: | 1860  |
| Ion      | Ratio | Lower | Upper |
| 99       | 100   |       |       |
| 42       | 20.8  | 18.5  | 27.7  |
| 71       | 35.5  | 28.6  | 42.8  |



#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.498 min Scan# 929  
Delta R.T. 0.000 min  
Lab File: BN037619.D  
Acq: 20 Aug 2025 04:50

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 136   | Resp: | 5229  |
| Ion      | Ratio | Lower | Upper |
| 136      | 100   |       |       |
| 137      | 12.8  | 9.5   | 14.3  |
| 54       | 8.4   | 7.3   | 10.9  |
| 68       | 6.3   | 5.1   | 7.7   |

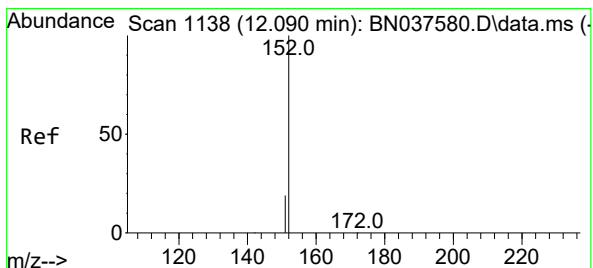
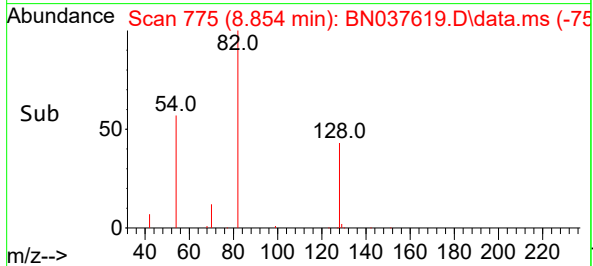
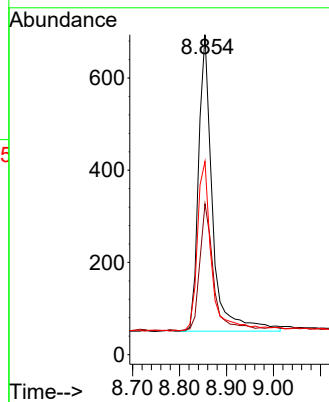
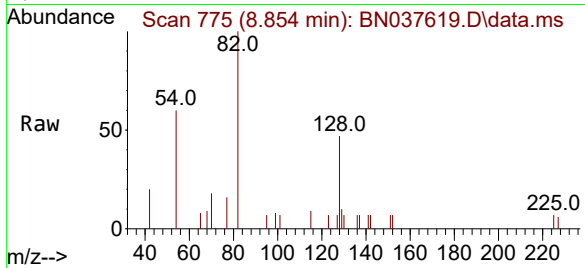




#8  
Nitrobenzene-d5  
Concen: 0.359 ng  
RT: 8.854 min Scan# 71  
Delta R.T. 0.000 min  
Lab File: BN037619.D  
Acq: 20 Aug 2025 04:50

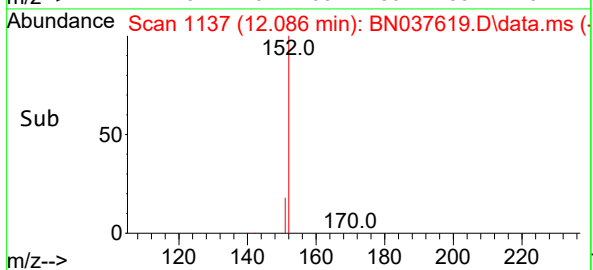
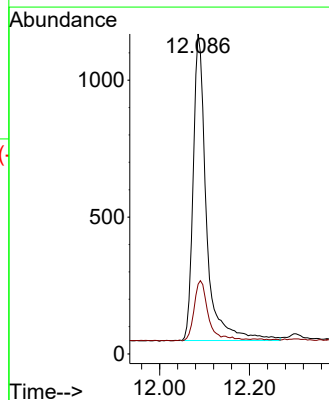
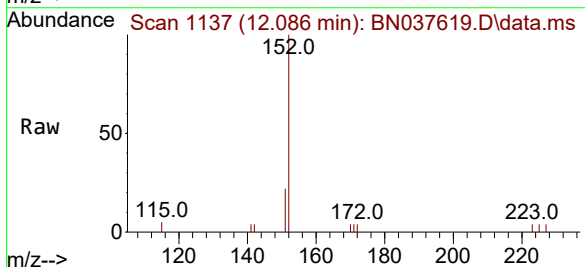
Instrument :  
BNA\_N  
ClientSampleId :  
PB169286BL

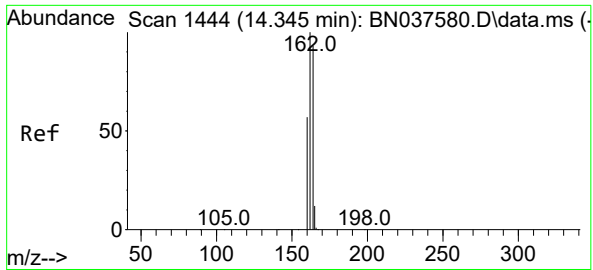
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 47.1  | 32.6  | 48.8  |
| 54      | 60.4  | 48.9  | 73.3  |



#11  
2-Methylnaphthalene-d10  
Concen: 0.323 ng  
RT: 12.086 min Scan# 1137  
Delta R.T. -0.005 min  
Lab File: BN037619.D  
Acq: 20 Aug 2025 04:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 21.3  | 17.3  | 25.9  |

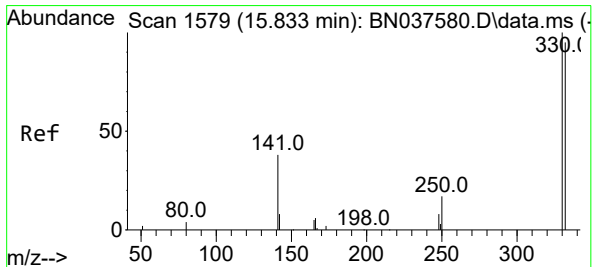
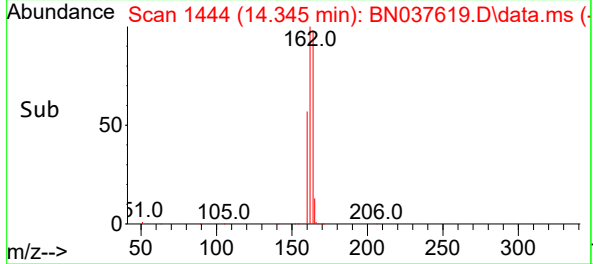
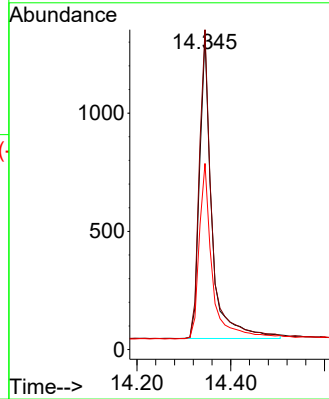
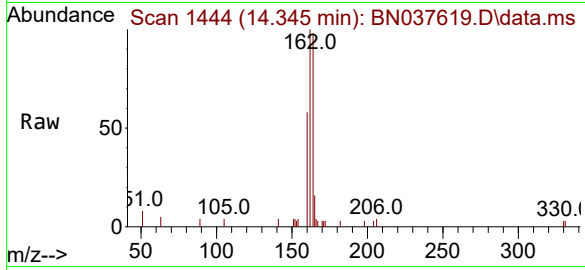




#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.345 min Scan# 1444  
Delta R.T. 0.000 min  
Lab File: BN037619.D  
Acq: 20 Aug 2025 04:50

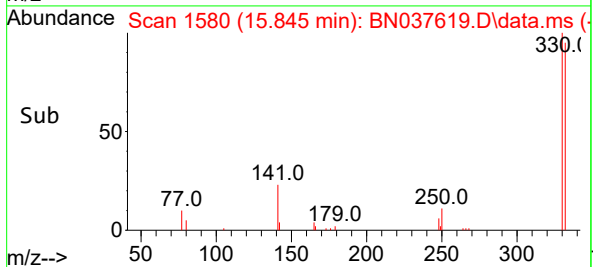
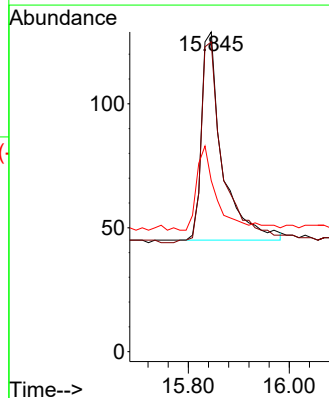
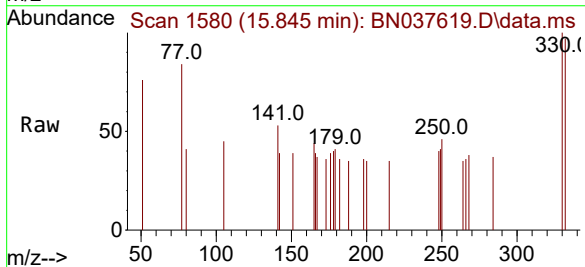
Instrument :  
BNA\_N  
ClientSampleId :  
PB169286BL

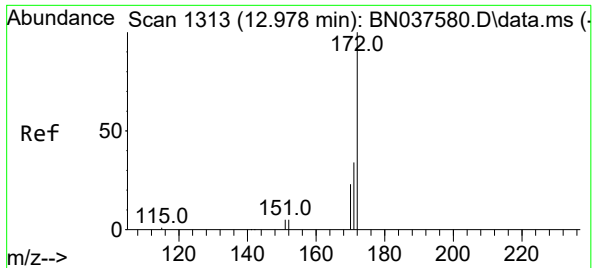
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 2344  |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 162      | 102.2 | 85.5  | 128.3 |
| 160      | 59.4  | 49.5  | 74.3  |



#14  
2,4,6-Tribromophenol  
Concen: 0.234 ng  
RT: 15.845 min Scan# 1580  
Delta R.T. 0.013 min  
Lab File: BN037619.D  
Acq: 20 Aug 2025 04:50

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 330   | Resp: | 240   |
| Ion      | Ratio | Lower | Upper |
| 330      | 100   |       |       |
| 332      | 101.3 | 77.4  | 116.0 |
| 141      | 40.0  | 30.9  | 46.3  |

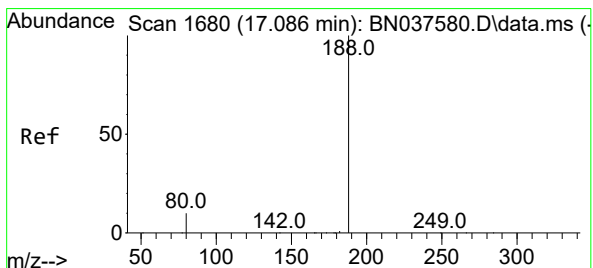
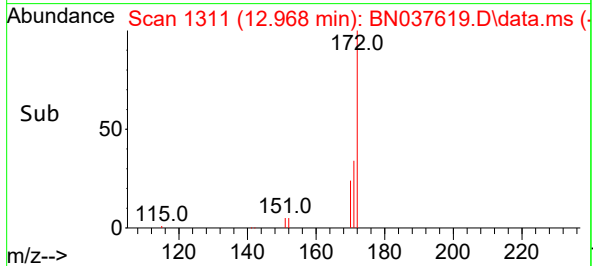
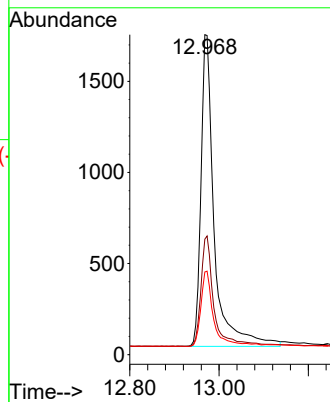
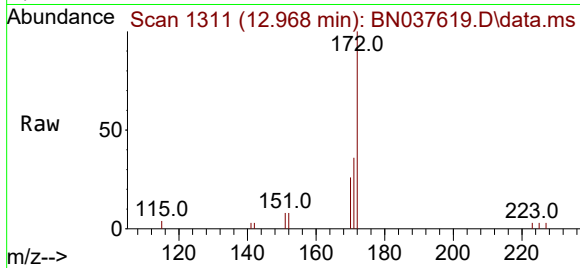




#15  
2-Fluorobiphenyl  
Concen: 0.346 ng  
RT: 12.968 min Scan# 11  
Delta R.T. -0.010 min  
Lab File: BN037619.D  
Acq: 20 Aug 2025 04:50

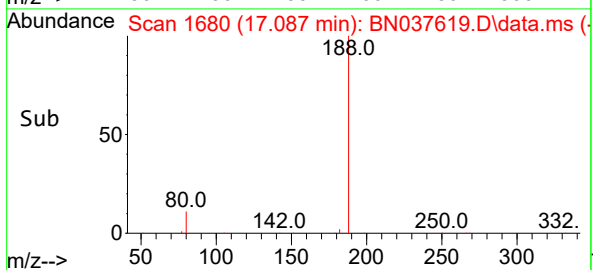
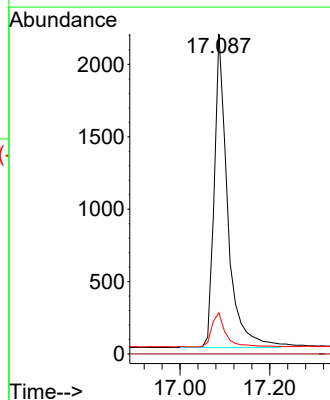
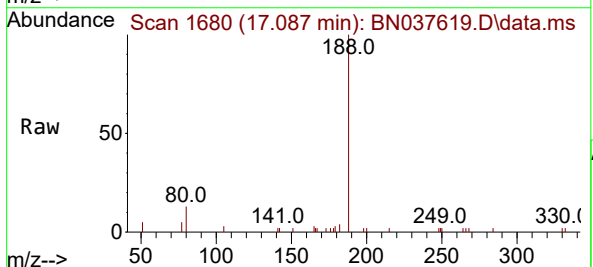
Instrument :  
BNA\_N  
ClientSampleId :  
PB169286BL

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 172   | Resp: | 4692  |
| Ion      | Ratio | Lower | Upper |
| 172      | 100   |       |       |
| 171      | 36.1  | 28.2  | 42.4  |
| 170      | 25.9  | 19.2  | 28.8  |

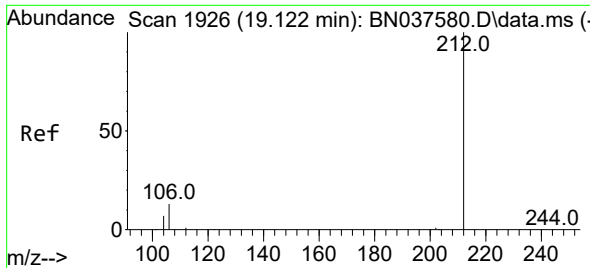


#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.087 min Scan# 1680  
Delta R.T. 0.000 min  
Lab File: BN037619.D  
Acq: 20 Aug 2025 04:50

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 188   | Resp: | 4466  |
| Ion      | Ratio | Lower | Upper |
| 188      | 100   |       |       |
| 94       | 0.0   | 0.0   | 0.0   |
| 80       | 12.9  | 9.1   | 13.7  |



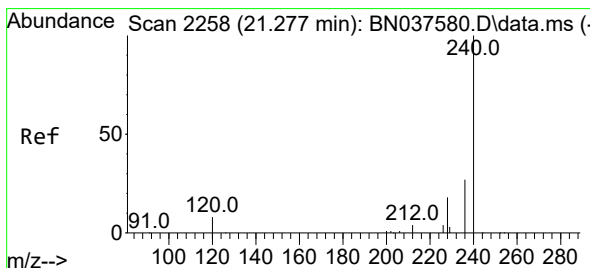
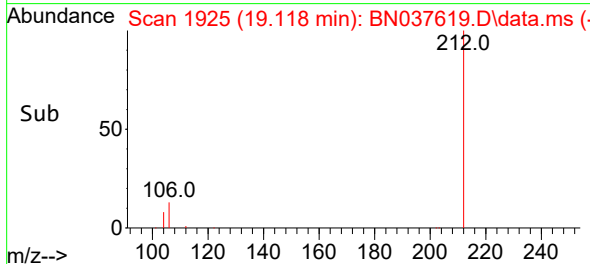
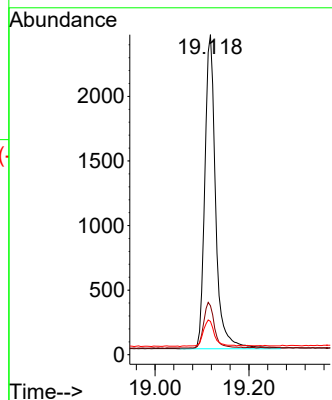
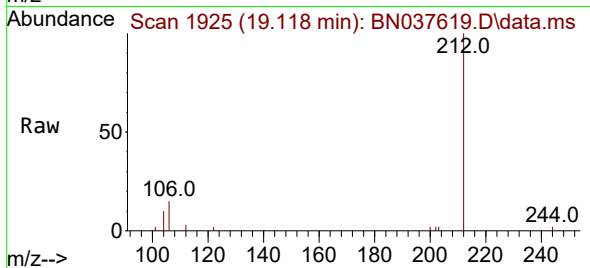




#27  
Fluoranthene-d10  
Concen: 0.331 ng  
RT: 19.118 min Scan# 1925  
Delta R.T. -0.004 min  
Lab File: BN037619.D  
Acq: 20 Aug 2025 04:50

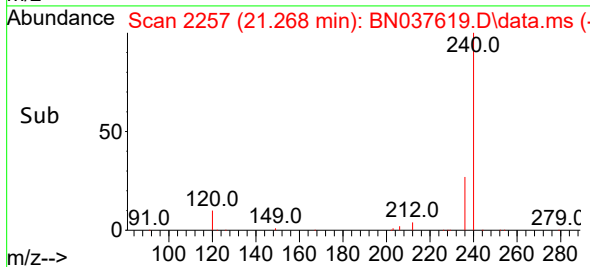
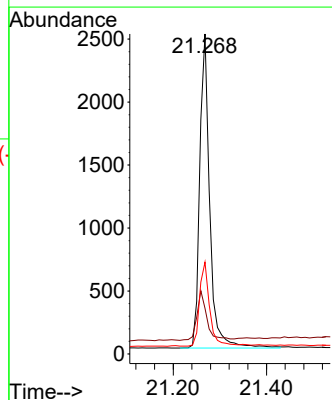
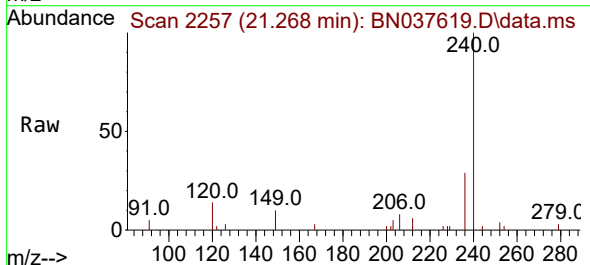
Instrument :  
BNA\_N  
ClientSampleId :  
PB169286BL

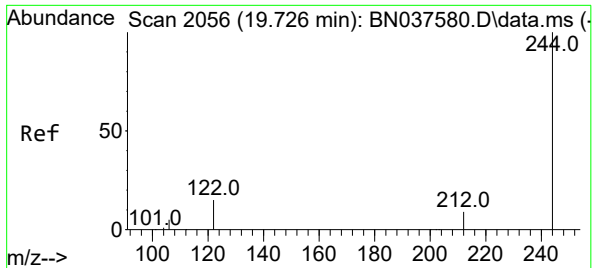
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 212     | 100   |       |       |
| 106     | 14.4  | 11.5  | 17.3  |
| 104     | 9.3   | 6.6   | 9.8   |



#29  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.268 min Scan# 2257  
Delta R.T. -0.009 min  
Lab File: BN037619.D  
Acq: 20 Aug 2025 04:50

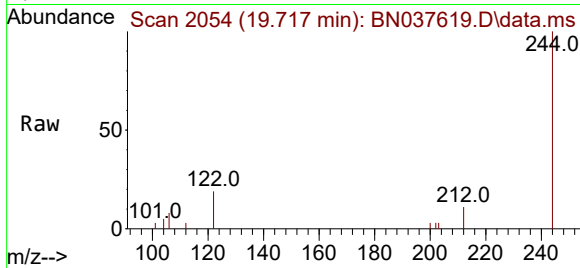
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 14.2  | 8.9   | 13.3  |
| 236     | 28.7  | 22.6  | 33.8  |



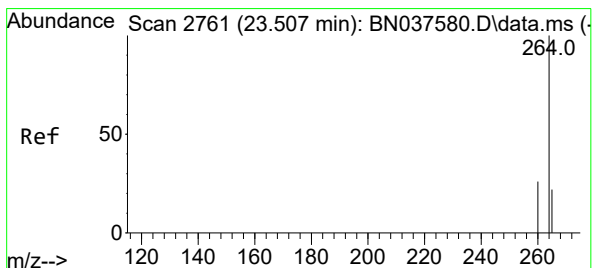
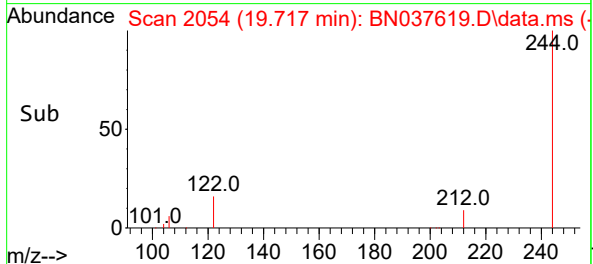
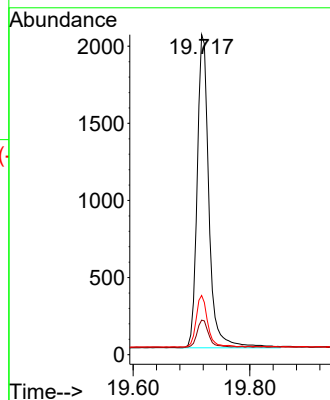


#31  
Terphenyl-d14  
Concen: 0.370 ng  
RT: 19.717 min Scan# 2054  
Delta R.T. -0.009 min  
Lab File: BN037619.D  
Acq: 20 Aug 2025 04:50

Instrument :  
BNA\_N  
ClientSampleId :  
PB169286BL

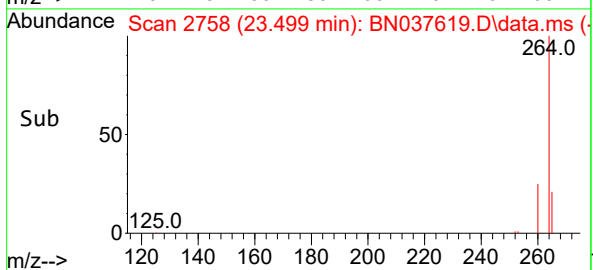
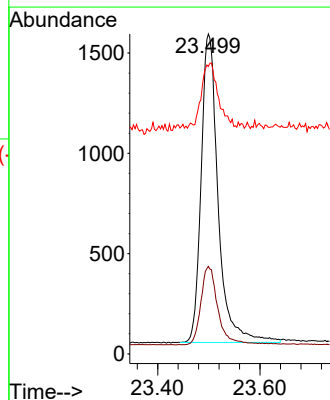
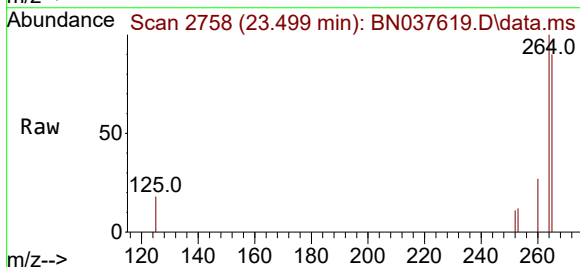


Tgt Ion:244 Resp: 2840  
Ion Ratio Lower Upper  
244 100  
212 10.8 8.2 12.2  
122 18.5 13.2 19.8



#35  
Perylene-d12  
Concen: 0.400 ng  
RT: 23.499 min Scan# 2758  
Delta R.T. -0.008 min  
Lab File: BN037619.D  
Acq: 20 Aug 2025 04:50

Tgt Ion:264 Resp: 3552  
Ion Ratio Lower Upper  
264 100  
260 27.3 21.6 32.4  
265 89.8 48.2 72.4#



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Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN081925\  
 Data File : BN037630.D  
 Acq On : 20 Aug 2025 11:25  
 Operator : RC/JU  
 Sample : PB169286BS  
 Misc :  
 ALS Vial : 31 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 PB169286BS

Quant Time: Aug 21 04:13:47 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN081225.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Aug 13 05:00:58 2025  
 Response via : Initial Calibration

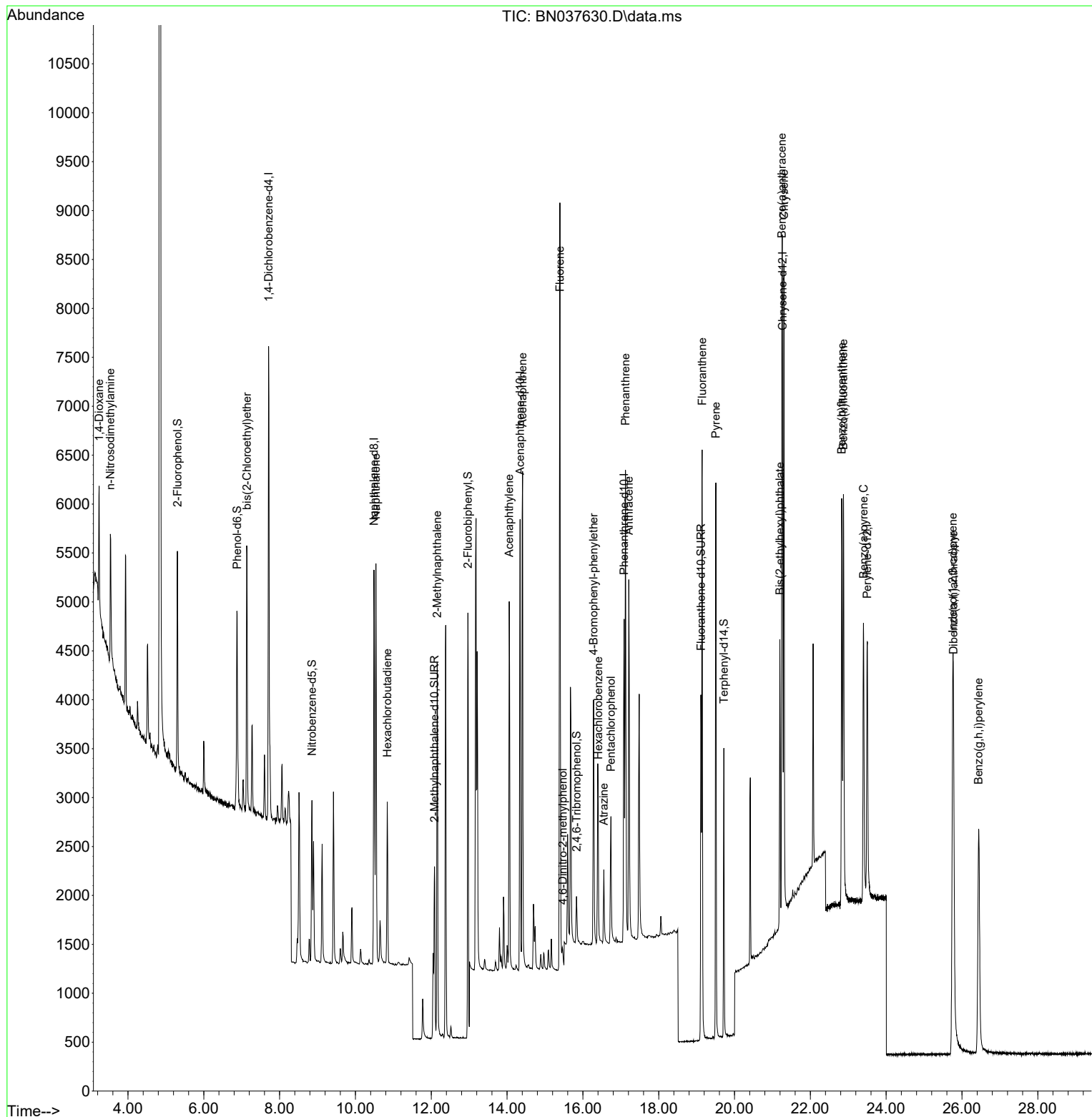
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.710  | 152  | 2389     | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.487 | 136  | 5616     | 0.400 | ng    | -0.01    |
| 13) Acenaphthene-d10          | 14.345 | 164  | 2629     | 0.400 | ng    | 0.00     |
| 19) Phenanthrene-d10          | 17.086 | 188  | 5040     | 0.400 | ng    | 0.00     |
| 29) Chrysene-d12              | 21.268 | 240  | 4175     | 0.400 | ng    | # 0.00   |
| 35) Perylene-d12              | 23.502 | 264  | 3780     | 0.400 | ng    | # 0.00   |
|                               |        |      |          |       |       |          |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.305  | 112  | 1761     | 0.325 | ng    | 0.00     |
| 5) Phenol-d6                  | 6.879  | 99   | 1961     | 0.301 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 8.854  | 82   | 1380     | 0.349 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10   | 12.085 | 152  | 2508     | 0.329 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 15.833 | 330  | 342      | 0.297 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 12.968 | 172  | 5503     | 0.362 | ng    | -0.01    |
| 27) Fluoranthene-d10          | 19.113 | 212  | 4038     | 0.305 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.717 | 244  | 3008     | 0.350 | ng    | 0.00     |
|                               |        |      |          |       |       |          |
| Target Compounds              |        |      |          |       |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.239  | 88   | 677      | 0.296 | ng    | # 78     |
| 3) n-Nitrosodimethylamine     | 3.535  | 42   | 966      | 0.331 | ng    | 95       |
| 6) bis(2-Chloroethyl)ether    | 7.139  | 93   | 2041     | 0.347 | ng    | 96       |
| 9) Naphthalene                | 10.541 | 128  | 5264     | 0.352 | ng    | 99       |
| 10) Hexachlorobutadiene       | 10.840 | 225  | 1357     | 0.371 | ng    | # 99     |
| 12) 2-Methylnaphthalene       | 12.156 | 142  | 2891     | 0.308 | ng    | 100      |
| 16) Acenaphthylene            | 14.056 | 152  | 4394     | 0.373 | ng    | 100      |
| 17) Acenaphthene              | 14.409 | 154  | 2664     | 0.332 | ng    | 99       |
| 18) Fluorene                  | 15.392 | 166  | 3473     | 0.331 | ng    | 99       |
| 20) 4,6-Dinitro-2-methylph... | 15.467 | 198  | 153      | 0.348 | ng    | # 79     |
| 21) 4-Bromophenyl-phenylether | 16.280 | 248  | 1063     | 0.336 | ng    | # 82     |
| 22) Hexachlorobenzene         | 16.404 | 284  | 1644     | 0.366 | ng    | 98       |
| 23) Atrazine                  | 16.553 | 200  | 688      | 0.384 | ng    | 95       |
| 24) Pentachlorophenol         | 16.739 | 266  | 719      | 0.456 | ng    | 96       |
| 25) Phenanthrene              | 17.124 | 178  | 5179     | 0.338 | ng    | 99       |
| 26) Anthracene                | 17.210 | 178  | 4635     | 0.342 | ng    | 100      |
| 28) Fluoranthene              | 19.146 | 202  | 5464     | 0.310 | ng    | 100      |
| 30) Pyrene                    | 19.508 | 202  | 5332     | 0.342 | ng    | 100      |
| 32) Benzo(a)anthracene        | 21.250 | 228  | 4944     | 0.355 | ng    | 98       |
| 33) Chrysene                  | 21.304 | 228  | 5598     | 0.360 | ng    | 99       |
| 34) Bis(2-ethylhexyl)phtha... | 21.196 | 149  | 1867     | 0.324 | ng    | 100      |
| 36) Indeno(1,2,3-cd)pyrene    | 25.756 | 276  | 5812     | 0.365 | ng    | 99       |
| 37) Benzo(b)fluoranthene      | 22.829 | 252  | 5325     | 0.372 | ng    | 97       |
| 38) Benzo(k)fluoranthene      | 22.873 | 252  | 5420     | 0.335 | ng    | 97       |
| 39) Benzo(a)pyrene            | 23.402 | 252  | 4490     | 0.378 | ng    | 95       |
| 40) Dibenzo(a,h)anthracene    | 25.776 | 278  | 4445     | 0.360 | ng    | 100      |
| 41) Benzo(g,h,i)perylene      | 26.440 | 276  | 5149     | 0.395 | ng    | 98       |
| -----                         |        |      |          |       |       |          |

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

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN081925\  
Data File : BN037630.D  
Acq On : 20 Aug 2025 11:25  
Operator : RC/JU  
Sample : PB169286BS  
Misc :  
ALS Vial : 31 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
PB169286BS

Quant Time: Aug 21 04:13:47 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN081225.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Aug 13 05:00:58 2025  
Response via : Initial Calibration



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Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN081925\  
 Data File : BN037605.D  
 Acq On : 19 Aug 2025 13:40  
 Operator : RC/JU  
 Sample : Q2842-04MS  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 MW-17B-55.5-08122025MS

### Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/20/2025  
 Supervised By :Jagrut Upadhyay 08/20/2025

Quant Time: Aug 20 01:25:45 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN081225.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Aug 13 05:00:58 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.717  | 152  | 2023     | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.498 | 136  | 4765     | 0.400 | ng    | 0.00     |
| 13) Acenaphthene-d10          | 14.345 | 164  | 2380     | 0.400 | ng    | 0.00     |
| 19) Phenanthrene-d10          | 17.087 | 188  | 4922     | 0.400 | ng    | 0.00     |
| 29) Chrysene-d12              | 21.268 | 240  | 4507     | 0.400 | ng    | # 0.00   |
| 35) Perylene-d12              | 23.505 | 264  | 3909     | 0.400 | ng    | 0.00     |
|                               |        |      |          |       |       |          |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.305  | 112  | 698      | 0.152 | ng    | 0.00     |
| 5) Phenol-d6                  | 6.879  | 99   | 508      | 0.092 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 8.854  | 82   | 1111     | 0.331 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10   | 12.086 | 152  | 2001m    | 0.309 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 15.833 | 330  | 392      | 0.376 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 12.973 | 172  | 4453     | 0.324 | ng    | 0.00     |
| 27) Fluoranthene-d10          | 19.118 | 212  | 4870     | 0.376 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.722 | 244  | 4344     | 0.468 | ng    | 0.00     |
|                               |        |      |          |       |       |          |
| Target Compounds              |        |      |          |       |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.239  | 88   | 5476     | 2.829 | ng    | # 90     |
| 3) n-Nitrosodimethylamine     | 3.536  | 42   | 418      | 0.169 | ng    | # 90     |
| 6) bis(2-Chloroethyl)ether    | 7.139  | 93   | 1634     | 0.329 | ng    | 98       |
| 9) Naphthalene                | 10.541 | 128  | 4254     | 0.335 | ng    | 98       |
| 10) Hexachlorobutadiene       | 10.840 | 225  | 924      | 0.298 | ng    | # 99     |
| 12) 2-Methylnaphthalene       | 12.162 | 142  | 2421     | 0.304 | ng    | 99       |
| 16) Acenaphthylene            | 14.067 | 152  | 3870     | 0.363 | ng    | 100      |
| 17) Acenaphthene              | 14.409 | 154  | 2473     | 0.341 | ng    | 96       |
| 18) Fluorene                  | 15.393 | 166  | 3340     | 0.352 | ng    | 99       |
| 20) 4,6-Dinitro-2-methylph... | 15.467 | 198  | 226      | 0.434 | ng    | 88       |
| 21) 4-Bromophenyl-phenylether | 16.280 | 248  | 1089     | 0.352 | ng    | # 75     |
| 22) Hexachlorobenzene         | 16.404 | 284  | 1490     | 0.340 | ng    | 99       |
| 23) Atrazine                  | 16.553 | 200  | 797      | 0.456 | ng    | 95       |
| 24) Pentachlorophenol         | 16.739 | 266  | 1320     | 0.857 | ng    | 99       |
| 25) Phenanthrene              | 17.124 | 178  | 6725     | 0.449 | ng    | 100      |
| 26) Anthracene                | 17.211 | 178  | 5205     | 0.393 | ng    | 100      |
| 28) Fluoranthene              | 19.146 | 202  | 7212     | 0.420 | ng    | 100      |
| 30) Pyrene                    | 19.508 | 202  | 6994     | 0.415 | ng    | 100      |
| 32) Benzo(a)anthracene        | 21.259 | 228  | 6028     | 0.400 | ng    | 99       |
| 33) Chrysene                  | 21.304 | 228  | 6700     | 0.399 | ng    | 99       |
| 34) Bis(2-ethylhexyl)phtha... | 21.205 | 149  | 3417     | 0.550 | ng    | 99       |
| 36) Indeno(1,2,3-cd)pyrene    | 25.759 | 276  | 6122     | 0.372 | ng    | 99       |
| 37) Benzo(b)fluoranthene      | 22.832 | 252  | 6094     | 0.411 | ng    | 99       |
| 38) Benzo(k)fluoranthene      | 22.876 | 252  | 6247     | 0.374 | ng    | 98       |
| 39) Benzo(a)pyrene            | 23.405 | 252  | 5054     | 0.411 | ng    | 99       |
| 40) Dibenzo(a,h)anthracene    | 25.779 | 278  | 4709     | 0.368 | ng    | 99       |
| 41) Benzo(g,h,i)perylene      | 26.449 | 276  | 5269     | 0.391 | ng    | 100      |

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

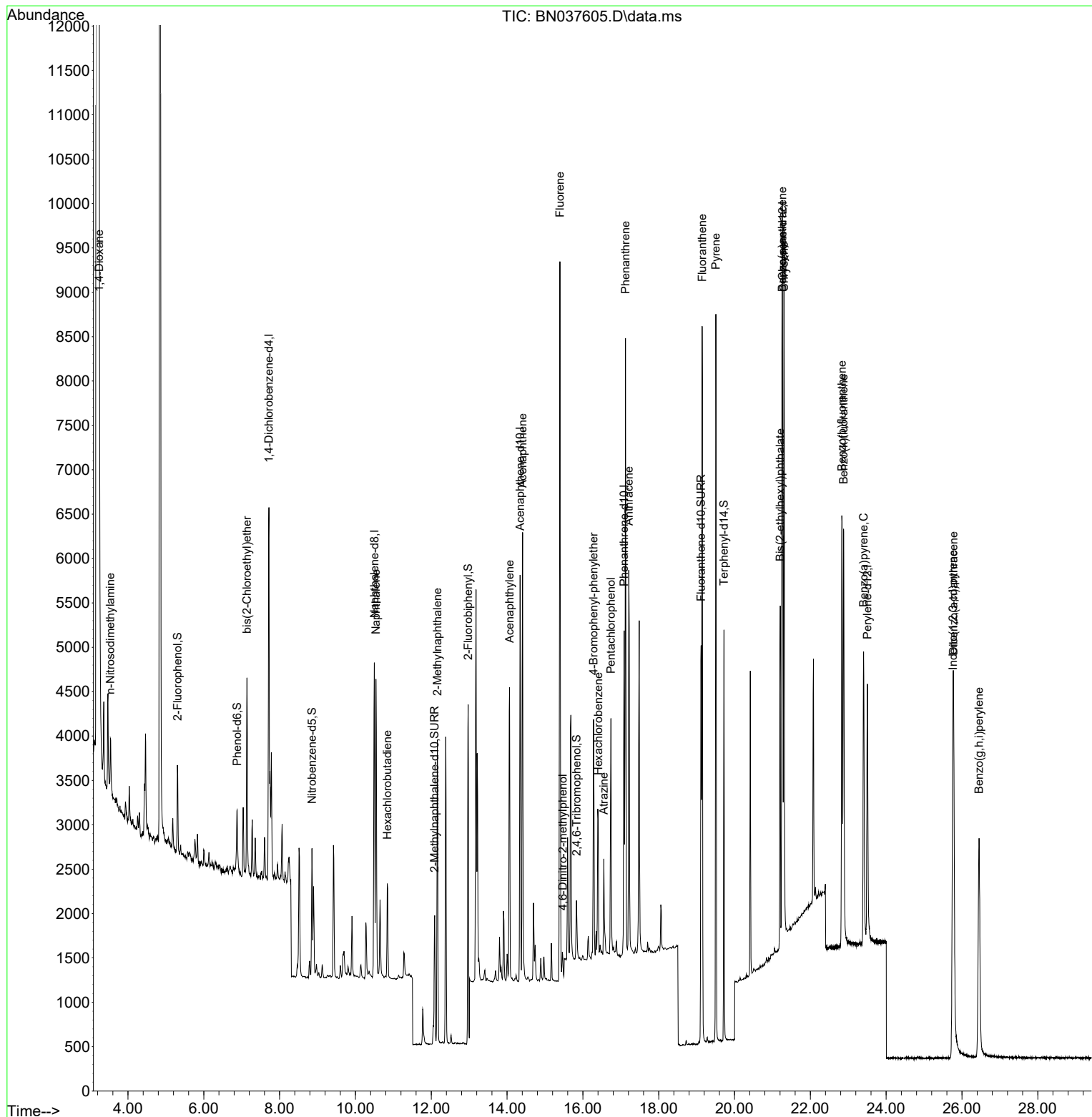
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN081925\  
Data File : BN037605.D  
Acq On : 19 Aug 2025 13:40  
Operator : RC/JU  
Sample : Q2842-04MS  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
MW-17B-55.5-08122025MS

Quant Time: Aug 20 01:25:45 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN081225.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Aug 13 05:00:58 2025  
Response via : Initial Calibration

Manual Integrations  
APPROVED

Reviewed By :Rahul Chavli 08/20/2025  
Supervised By :Jagrut Upadhyay 08/20/2025



6

A

B

C

D

E

F

G

H

I

J

K

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN081925\  
 Data File : BN037606.D  
 Acq On : 19 Aug 2025 14:17  
 Operator : RC/JU  
 Sample : Q2842-05MSD  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 MW-17B-55.5-08122025MSD

### Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/20/2025  
 Supervised By :Jagrut Upadhyay 08/20/2025

Quant Time: Aug 20 01:26:12 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN081225.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Aug 13 05:00:58 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.717  | 152  | 2022     | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.498 | 136  | 4839     | 0.400 | ng    | 0.00     |
| 13) Acenaphthene-d10          | 14.344 | 164  | 2406     | 0.400 | ng    | 0.00     |
| 19) Phenanthrene-d10          | 17.086 | 188  | 5009     | 0.400 | ng    | 0.00     |
| 29) Chrysene-d12              | 21.267 | 240  | 4561     | 0.400 | ng    | # 0.00   |
| 35) Perylene-d12              | 23.504 | 264  | 3935     | 0.400 | ng    | 0.00     |
|                               |        |      |          |       |       |          |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.304  | 112  | 713      | 0.156 | ng    | 0.00     |
| 5) Phenol-d6                  | 6.879  | 99   | 499      | 0.090 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 8.853  | 82   | 1080     | 0.317 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10   | 12.090 | 152  | 1993m    | 0.303 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 15.832 | 330  | 401      | 0.381 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 12.973 | 172  | 4509     | 0.324 | ng    | 0.00     |
| 27) Fluoranthene-d10          | 19.117 | 212  | 4894     | 0.371 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.721 | 244  | 4395     | 0.468 | ng    | 0.00     |
|                               |        |      |          |       |       |          |
| Target Compounds              |        |      |          |       |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.239  | 88   | 5537     | 2.862 | ng    | # 92     |
| 3) n-Nitrosodimethylamine     | 3.535  | 42   | 412      | 0.167 | ng    | # 94     |
| 6) bis(2-Chloroethyl)ether    | 7.139  | 93   | 1634     | 0.329 | ng    | 97       |
| 9) Naphthalene                | 10.540 | 128  | 4289     | 0.333 | ng    | 98       |
| 10) Hexachlorobutadiene       | 10.850 | 225  | 911      | 0.289 | ng    | # 99     |
| 12) 2-Methylnaphthalene       | 12.161 | 142  | 2410     | 0.298 | ng    | 100      |
| 16) Acenaphthylene            | 14.066 | 152  | 3852     | 0.357 | ng    | 100      |
| 17) Acenaphthene              | 14.408 | 154  | 2466     | 0.336 | ng    | 98       |
| 18) Fluorene                  | 15.392 | 166  | 3360     | 0.350 | ng    | 99       |
| 20) 4,6-Dinitro-2-methylph... | 15.467 | 198  | 237      | 0.441 | ng    | 90       |
| 21) 4-Bromophenyl-phenylether | 16.292 | 248  | 1112     | 0.353 | ng    | # 90     |
| 22) Hexachlorobenzene         | 16.403 | 284  | 1477     | 0.331 | ng    | 98       |
| 23) Atrazine                  | 16.552 | 200  | 799      | 0.449 | ng    | 96       |
| 24) Pentachlorophenol         | 16.738 | 266  | 1294     | 0.826 | ng    | 97       |
| 25) Phenanthrene              | 17.123 | 178  | 6750     | 0.443 | ng    | 100      |
| 26) Anthracene                | 17.210 | 178  | 5136     | 0.381 | ng    | 99       |
| 28) Fluoranthene              | 19.145 | 202  | 7312     | 0.418 | ng    | 100      |
| 30) Pyrene                    | 19.508 | 202  | 7072     | 0.415 | ng    | 99       |
| 32) Benzo(a)anthracene        | 21.250 | 228  | 6132     | 0.402 | ng    | 98       |
| 33) Chrysene                  | 21.303 | 228  | 6692     | 0.394 | ng    | 99       |
| 34) Bis(2-ethylhexyl)phtha... | 21.205 | 149  | 3509     | 0.558 | ng    | 99       |
| 36) Indeno(1,2,3-cd)pyrene    | 25.761 | 276  | 6228     | 0.376 | ng    | 98       |
| 37) Benzo(b)fluoranthene      | 22.832 | 252  | 6261     | 0.420 | ng    | 100      |
| 38) Benzo(k)fluoranthene      | 22.876 | 252  | 6279     | 0.373 | ng    | 98       |
| 39) Benzo(a)pyrene            | 23.405 | 252  | 5127     | 0.415 | ng    | 99       |
| 40) Dibenzo(a,h)anthracene    | 25.776 | 278  | 4745     | 0.369 | ng    | 99       |
| 41) Benzo(g,h,i)perylene      | 26.445 | 276  | 5431     | 0.401 | ng    | 99       |

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

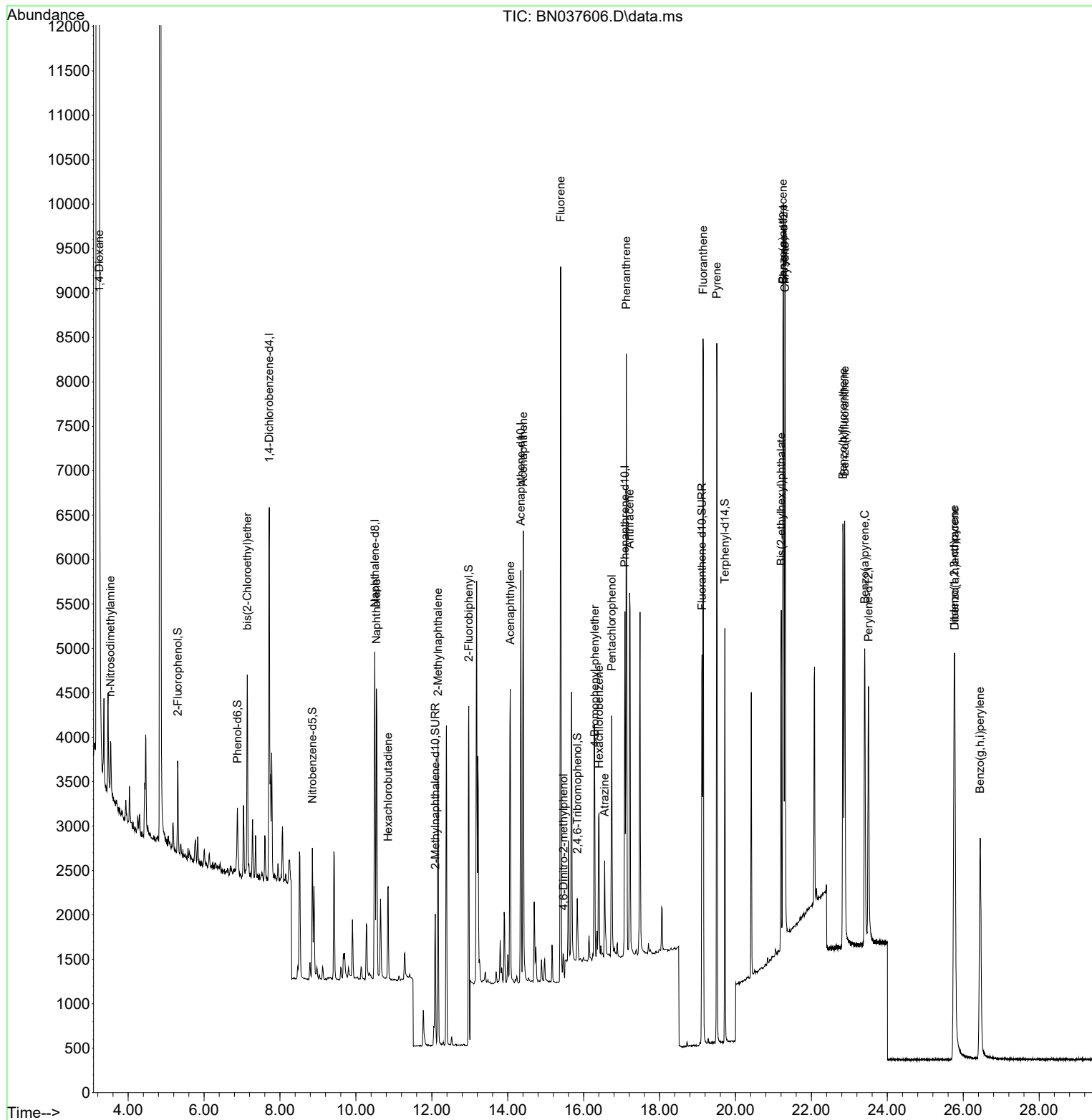
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN081925\  
 Data File : BN037606.D  
 Acq On : 19 Aug 2025 14:17  
 Operator : RC/JU  
 Sample : Q2842-05MSD  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 MW-17B-55.5-08122025MSD

### Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/20/2025  
 Supervised By :Jagrut Upadhyay 08/20/2025

Quant Time: Aug 20 01:26:12 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN081225.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Aug 13 05:00:58 2025  
 Response via : Initial Calibration







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

## Manual Integration Report

Sequence:

BN081225

Instrument

BNA\_n

Sample ID

File ID

Parameter

Review By

Review On

Supervised  
By

Supervised On

Reason

## Manual Integration Report

|           |          |            |       |
|-----------|----------|------------|-------|
| Sequence: | bn081925 | Instrument | BNA_n |
|-----------|----------|------------|-------|

| Sample ID   | File ID    | Parameter               | Review By | Review On            | Supervised By | Supervised On        | Reason                      |
|-------------|------------|-------------------------|-----------|----------------------|---------------|----------------------|-----------------------------|
| Q2842-04MS  | BN037605.D | 2-Methylnaphthalene-d10 | Rahul     | 8/20/2025 8:37:55 AM | Jagrut        | 8/20/2025 2:31:08 PM | Peak Integrated by Software |
| Q2842-05MSD | BN037606.D | 2-Methylnaphthalene-d10 | Rahul     | 8/20/2025 8:37:59 AM | Jagrut        | 8/20/2025 2:31:11 PM | Peak Integrated by Software |
| Q2869-01    | BN037608.D | Chrysene                | Rahul     | 8/20/2025 8:38:02 AM | Jagrut        | 8/20/2025 2:31:13 PM | Peak Integrated by Software |

Instrument ID: BNA\_N

Daily Analysis Runlog For Sequence/QC Batch ID # BN081225

|                          |                                                  |                   |                                               |
|--------------------------|--------------------------------------------------|-------------------|-----------------------------------------------|
| Review By                | Rahul                                            | Review On         | 8/13/2025 11:25:23 AM                         |
| Supervise By             | Jagrut                                           | Supervise On      | 8/13/2025 11:26:50 AM                         |
| SubDirectory             | BN081225                                         | HP Acquire Method | BNA_N, 8270_SiM HP Processing Method bn081225 |
| <b>STD. NAME</b>         | <b>STD REF.#</b>                                 |                   |                                               |
| Tune/Reschk              | SP6757                                           |                   |                                               |
| Initial Calibration Stds | SP6842,SP6843,SP6844,SP6845,SP6846,SP6847,SP6848 |                   |                                               |
| CCC                      | SP6846                                           |                   |                                               |
| Internal Standard/PEM    | SP6830,1ul/100ul sample                          |                   |                                               |
| ICV/I.BLK                | SP6854                                           |                   |                                               |
| Surrogate Standard       |                                                  |                   |                                               |
| MS/MSD Standard          |                                                  |                   |                                               |
| LCS Standard             |                                                  |                   |                                               |

| Sr# | SampleId    | Data File Name | Date-Time         | Operator | Status |
|-----|-------------|----------------|-------------------|----------|--------|
| 1   | DFTPP       | BN037576.D     | 12 Aug 2025 15:05 | RC/JU    | Ok     |
| 2   | SSTDCCC0.4  | BN037577.D     | 12 Aug 2025 15:49 | RC/JU    | Not Ok |
| 3   | SSTDICC0.1  | BN037578.D     | 12 Aug 2025 16:26 | RC/JU    | Ok     |
| 4   | SSTDICC0.2  | BN037579.D     | 12 Aug 2025 17:03 | RC/JU    | Ok     |
| 5   | SSTDICCC0.4 | BN037580.D     | 12 Aug 2025 17:39 | RC/JU    | Ok     |
| 6   | SSTDICC0.8  | BN037581.D     | 12 Aug 2025 18:16 | RC/JU    | Ok     |
| 7   | SSTDICC1.6  | BN037582.D     | 12 Aug 2025 18:52 | RC/JU    | Ok     |
| 8   | SSTDICC3.2  | BN037583.D     | 12 Aug 2025 19:29 | RC/JU    | Ok     |
| 9   | SSTDICC5.0  | BN037584.D     | 12 Aug 2025 20:05 | RC/JU    | Ok     |
| 10  | SSTDICV0.4  | BN037585.D     | 12 Aug 2025 20:42 | RC/JU    | Ok     |
| 11  | PB169094BL  | BN037586.D     | 12 Aug 2025 21:55 | RC/JU    | Ok     |

M : Manual Integration

Instrument ID: BNA\_N

Daily Analysis Runlog For Sequence/QC Batch ID # BN081925

|                          |                                                  |                   |                                               |
|--------------------------|--------------------------------------------------|-------------------|-----------------------------------------------|
| Review By                | Rahul                                            | Review On         | 8/21/2025 3:02:23 PM                          |
| Supervise By             | Jagrut                                           | Supervise On      | 8/21/2025 5:56:51 PM                          |
| SubDirectory             | BN081925                                         | HP Acquire Method | BNA_N, 8270_SiM HP Processing Method bn081225 |
| <b>STD. NAME</b>         | <b>STD REF.#</b>                                 |                   |                                               |
| Tune/Reschk              | SP6757                                           |                   |                                               |
| Initial Calibration Stds | SP6842,SP6843,SP6844,SP6845,SP6846,SP6847,SP6848 |                   |                                               |
| CCC                      | SP6846                                           |                   |                                               |
| Internal Standard/PEM    | SP6830,1ul/100ul sample                          |                   |                                               |
| ICV/I.BLK                | SP6854                                           |                   |                                               |
| Surrogate Standard       |                                                  |                   |                                               |
| MS/MSD Standard          |                                                  |                   |                                               |
| LCS Standard             |                                                  |                   |                                               |

| Sr# | SampleId    | Data File Name | Date-Time         | Operator | Status   |
|-----|-------------|----------------|-------------------|----------|----------|
| 1   | DFTPP       | BN037599.D     | 19 Aug 2025 10:00 | RC/JU    | Ok       |
| 2   | SSTDCCC0.4  | BN037600.D     | 19 Aug 2025 10:39 | RC/JU    | Ok       |
| 3   | PB169286BL  | BN037601.D     | 19 Aug 2025 11:16 | RC/JU    | Not Ok   |
| 4   | Q2842-01    | BN037602.D     | 19 Aug 2025 11:52 | RC/JU    | Dilution |
| 5   | Q2842-02    | BN037603.D     | 19 Aug 2025 12:28 | RC/JU    | Dilution |
| 6   | Q2842-03    | BN037604.D     | 19 Aug 2025 13:04 | RC/JU    | Ok       |
| 7   | Q2842-04MS  | BN037605.D     | 19 Aug 2025 13:40 | RC/JU    | Ok,M     |
| 8   | Q2842-05MSD | BN037606.D     | 19 Aug 2025 14:17 | RC/JU    | Ok,M     |
| 9   | Q2842-06    | BN037607.D     | 19 Aug 2025 14:53 | RC/JU    | Ok       |
| 10  | Q2869-01    | BN037608.D     | 19 Aug 2025 15:29 | RC/JU    | Dilution |
| 11  | Q2869-03    | BN037609.D     | 19 Aug 2025 16:05 | RC/JU    | Ok       |
| 12  | Q2869-04    | BN037610.D     | 19 Aug 2025 16:42 | RC/JU    | Ok       |
| 13  | Q2869-05    | BN037611.D     | 19 Aug 2025 17:18 | RC/JU    | Ok       |
| 14  | Q2869-07    | BN037612.D     | 19 Aug 2025 17:54 | RC/JU    | Ok       |
| 15  | Q2869-10    | BN037613.D     | 19 Aug 2025 18:30 | RC/JU    | Ok       |
| 16  | Q2878-01    | BN037614.D     | 19 Aug 2025 19:07 | RC/JU    | Ok       |
| 17  | Q2878-05    | BN037615.D     | 19 Aug 2025 19:43 | RC/JU    | Dilution |
| 18  | SSTDCCC0.4  | BN037616.D     | 19 Aug 2025 20:19 | RC/JU    | Ok       |
| 19  | DFTPP       | BN037617.D     | 20 Aug 2025 03:35 | RC/JU    | Ok       |
| 20  | SSTDCCC0.4  | BN037618.D     | 20 Aug 2025 04:14 | RC/JU    | Ok       |
| 21  | PB169286BL  | BN037619.D     | 20 Aug 2025 04:50 | RC/JU    | Ok       |

Instrument ID: BNA\_N

**Daily Analysis Runlog For Sequence/QCBatch ID # BN081925**

| Review By                | Rahul                                            | Review On         | 8/21/2025 3:02:23 PM                          |
|--------------------------|--------------------------------------------------|-------------------|-----------------------------------------------|
| Supervise By             | Jagrut                                           | Supervise On      | 8/21/2025 5:56:51 PM                          |
| SubDirectory             | BN081925                                         | HP Acquire Method | BNA_N, 8270_SiM HP Processing Method bn081225 |
| STD. NAME                | STD REF.#                                        |                   |                                               |
| Tune/Reschk              | SP6757                                           |                   |                                               |
| Initial Calibration Stds | SP6842,SP6843,SP6844,SP6845,SP6846,SP6847,SP6848 |                   |                                               |
| CCC                      | SP6846                                           |                   |                                               |
| Internal Standard/PEM    | SP6830,1ul/100ul sample                          |                   |                                               |
| ICV/I.BLK                | SP6854                                           |                   |                                               |
| Surrogate Standard       |                                                  |                   |                                               |
| MS/MSD Standard          |                                                  |                   |                                               |
| LCS Standard             |                                                  |                   |                                               |

|    |            |            |                   |       |    |
|----|------------|------------|-------------------|-------|----|
| 22 | Q2842-01DL | BN037620.D | 20 Aug 2025 05:27 | RC/JU | Ok |
| 23 | Q2842-02DL | BN037621.D | 20 Aug 2025 06:03 | RC/JU | Ok |
| 24 | Q2869-01DL | BN037622.D | 20 Aug 2025 06:38 | RC/JU | Ok |
| 25 | Q2881-01   | BN037623.D | 20 Aug 2025 07:13 | RC/JU | Ok |
| 26 | Q2881-02   | BN037624.D | 20 Aug 2025 07:49 | RC/JU | Ok |
| 27 | Q2882-01   | BN037625.D | 20 Aug 2025 08:25 | RC/JU | Ok |
| 28 | Q2882-02   | BN037626.D | 20 Aug 2025 09:00 | RC/JU | Ok |
| 29 | Q2882-03   | BN037627.D | 20 Aug 2025 09:37 | RC/JU | Ok |
| 30 | Q2882-04   | BN037628.D | 20 Aug 2025 10:13 | RC/JU | Ok |
| 31 | Q2878-05DL | BN037629.D | 20 Aug 2025 10:49 | RC/JU | Ok |
| 32 | PB169286BS | BN037630.D | 20 Aug 2025 11:25 | RC/JU | Ok |
| 33 | SSTDCCC0.4 | BN037631.D | 20 Aug 2025 14:56 | RC/JU | Ok |

M : Manual Integration

Instrument ID: BNA\_N

### Daily Analysis Runlog For Sequence/QC Batch ID # BN081225

|                          |                                                        |                   |                                           |
|--------------------------|--------------------------------------------------------|-------------------|-------------------------------------------|
| Review By                | Rahul                                                  | Review On         | 8/13/2025 11:25:23 AM                     |
| Supervise By             | Jagrut                                                 | Supervise On      | 8/13/2025 11:26:50 AM                     |
| SubDirectory             | BN081225                                               | HP Acquire Method | BNA_N, 8270_HP Processing Method bn081225 |
| <b>STD. NAME</b>         | <b>STD REF.#</b>                                       |                   |                                           |
| Tune/Reschk              | SP6757                                                 |                   |                                           |
| Initial Calibration Stds | SP6842, SP6843, SP6844, SP6845, SP6846, SP6847, SP6848 |                   |                                           |
| CCC                      | SP6846                                                 |                   |                                           |
| Internal Standard/PEM    | SP6830, 1ul/100ul sample                               |                   |                                           |
| ICV/I.BLK                | SP6854                                                 |                   |                                           |
| Surrogate Standard       |                                                        |                   |                                           |
| MS/MSD Standard          |                                                        |                   |                                           |
| LCS Standard             |                                                        |                   |                                           |

| Sr# | SampleID    | ClientID    | Data File Name | Date-Time         | Comment                          | Operator | Status |
|-----|-------------|-------------|----------------|-------------------|----------------------------------|----------|--------|
| 1   | DFTPP       | DFTPP       | BN037576.D     | 12 Aug 2025 15:05 |                                  | RC/JU    | Ok     |
| 2   | SSTDCCC0.4  | SSTDCCC0.4  | BN037577.D     | 12 Aug 2025 15:49 | A Fresh Calibration is required  | RC/JU    | Not Ok |
| 3   | SSTDICC0.1  | SSTDICC0.1  | BN037578.D     | 12 Aug 2025 16:26 |                                  | RC/JU    | Ok     |
| 4   | SSTDICC0.2  | SSTDICC0.2  | BN037579.D     | 12 Aug 2025 17:03 |                                  | RC/JU    | Ok     |
| 5   | SSTDICCC0.4 | SSTDICCC0.4 | BN037580.D     | 12 Aug 2025 17:39 | Compound #20 kept on LR          | RC/JU    | Ok     |
| 6   | SSTDICC0.8  | SSTDICC0.8  | BN037581.D     | 12 Aug 2025 18:16 |                                  | RC/JU    | Ok     |
| 7   | SSTDICC1.6  | SSTDICC1.6  | BN037582.D     | 12 Aug 2025 18:52 |                                  | RC/JU    | Ok     |
| 8   | SSTDICC3.2  | SSTDICC3.2  | BN037583.D     | 12 Aug 2025 19:29 |                                  | RC/JU    | Ok     |
| 9   | SSTDICC5.0  | SSTDICC5.0  | BN037584.D     | 12 Aug 2025 20:05 | Comp #20,23,24 removed from 5ppm | RC/JU    | Ok     |
| 10  | SSTDICV0.4  | ICVBN081225 | BN037585.D     | 12 Aug 2025 20:42 |                                  | RC/JU    | Ok     |
| 11  | PB169094BL  | PB169094BL  | BN037586.D     | 12 Aug 2025 21:55 |                                  | RC/JU    | Ok     |

M : Manual Integration

Instrument ID: BNA\_N

**Daily Analysis Runlog For Sequence/QC Batch ID # BN081925**

|                          |                                                  |                   |                                           |
|--------------------------|--------------------------------------------------|-------------------|-------------------------------------------|
| Review By                | Rahul                                            | Review On         | 8/21/2025 3:02:23 PM                      |
| Supervise By             | Jagrut                                           | Supervise On      | 8/21/2025 5:56:51 PM                      |
| SubDirectory             | BN081925                                         | HP Acquire Method | BNA_N, 8270_HP Processing Method bn081225 |
| <b>STD. NAME</b>         | <b>STD REF.#</b>                                 |                   |                                           |
| Tune/Reschk              | SP6757                                           |                   |                                           |
| Initial Calibration Stds | SP6842,SP6843,SP6844,SP6845,SP6846,SP6847,SP6848 |                   |                                           |
| CCC                      | SP6846                                           |                   |                                           |
| Internal Standard/PEM    | SP6830,1ul/100ul sample                          |                   |                                           |
| ICV/I.BLK                | SP6854                                           |                   |                                           |
| Surrogate Standard       |                                                  |                   |                                           |
| MS/MSD Standard          |                                                  |                   |                                           |
| LCS Standard             |                                                  |                   |                                           |

| Sr# | SampleId    | ClientID            | Data File Name | Date-Time         | Comment                                | Operator | Status   |
|-----|-------------|---------------------|----------------|-------------------|----------------------------------------|----------|----------|
| 1   | DFTPP       | DFTPP               | BN037599.D     | 19 Aug 2025 10:00 |                                        | RC/JU    | Ok       |
| 2   | SSTDCCC0.4  | SSTDCCC0.4          | BN037600.D     | 19 Aug 2025 10:39 |                                        | RC/JU    | Ok       |
| 3   | PB169286BL  | PB169286BL          | BN037601.D     | 19 Aug 2025 11:16 | Not Used                               | RC/JU    | Not Ok   |
| 4   | Q2842-01    | RMW-03B-90.4-081220 | BN037602.D     | 19 Aug 2025 11:52 | Need 2X.                               | RC/JU    | Dilution |
| 5   | Q2842-02    | RMW-02B-66.3-081220 | BN037603.D     | 19 Aug 2025 12:28 | Need 10X.                              | RC/JU    | Dilution |
| 6   | Q2842-03    | MW-17B-55.5-0812202 | BN037604.D     | 19 Aug 2025 13:04 |                                        | RC/JU    | Ok       |
| 7   | Q2842-04MS  | MW-17B-55.5-0812202 | BN037605.D     | 19 Aug 2025 13:40 | Recovery fail very high , need noncon. | RC/JU    | Ok,M     |
| 8   | Q2842-05MSD | MW-17B-55.5-0812202 | BN037606.D     | 19 Aug 2025 14:17 | Recovery fail very high , need noncon. | RC/JU    | Ok,M     |
| 9   | Q2842-06    | MW-06-6.5-08122025  | BN037607.D     | 19 Aug 2025 14:53 |                                        | RC/JU    | Ok       |
| 10  | Q2869-01    | MW-19B-71.5-081325  | BN037608.D     | 19 Aug 2025 15:29 | Need 2X.                               | RC/JU    | Dilution |
| 11  | Q2869-03    | MW-01-6.5-081325    | BN037609.D     | 19 Aug 2025 16:05 |                                        | RC/JU    | Ok       |
| 12  | Q2869-04    | MW-11A-13.5-081325  | BN037610.D     | 19 Aug 2025 16:42 |                                        | RC/JU    | Ok       |
| 13  | Q2869-05    | MW-19B-71.5-081325  | BN037611.D     | 19 Aug 2025 17:18 |                                        | RC/JU    | Ok       |
| 14  | Q2869-07    | EB01-081325         | BN037612.D     | 19 Aug 2025 17:54 |                                        | RC/JU    | Ok       |
| 15  | Q2869-10    | EB02-081325         | BN037613.D     | 19 Aug 2025 18:30 |                                        | RC/JU    | Ok       |
| 16  | Q2878-01    | MW-18B-57.5-081325  | BN037614.D     | 19 Aug 2025 19:07 |                                        | RC/JU    | Ok       |
| 17  | Q2878-05    | MW-11A-37.5-081425  | BN037615.D     | 19 Aug 2025 19:43 | Need 20X.                              | RC/JU    | Dilution |

Instrument ID: BNA\_N

**Daily Analysis Runlog For Sequence/QC Batch ID # BN081925**

|                          |                                                  |                   |                                           |
|--------------------------|--------------------------------------------------|-------------------|-------------------------------------------|
| Review By                | Rahul                                            | Review On         | 8/21/2025 3:02:23 PM                      |
| Supervise By             | Jagrut                                           | Supervise On      | 8/21/2025 5:56:51 PM                      |
| SubDirectory             | BN081925                                         | HP Acquire Method | BNA_N, 8270_HP Processing Method bn081225 |
| <b>STD. NAME</b>         | <b>STD REF.#</b>                                 |                   |                                           |
| Tune/Reschk              | SP6757                                           |                   |                                           |
| Initial Calibration Stds | SP6842,SP6843,SP6844,SP6845,SP6846,SP6847,SP6848 |                   |                                           |
| CCC                      | SP6846                                           |                   |                                           |
| Internal Standard/PEM    | SP6830,1ul/100ul sample                          |                   |                                           |
| ICV/I.BLK                | SP6854                                           |                   |                                           |
| Surrogate Standard       |                                                  |                   |                                           |
| MS/MSD Standard          |                                                  |                   |                                           |
| LCS Standard             |                                                  |                   |                                           |

|    |            |                     |            |                   |  |       |    |
|----|------------|---------------------|------------|-------------------|--|-------|----|
| 18 | SSTDCCC0.4 | SSTDCCC0.4EC        | BN037616.D | 19 Aug 2025 20:19 |  | RC/JU | Ok |
| 19 | DFTPP      | DFTPP               | BN037617.D | 20 Aug 2025 03:35 |  | RC/JU | Ok |
| 20 | SSTDCCC0.4 | SSTDCCC0.4          | BN037618.D | 20 Aug 2025 04:14 |  | RC/JU | Ok |
| 21 | PB169286BL | PB169286BL          | BN037619.D | 20 Aug 2025 04:50 |  | RC/JU | Ok |
| 22 | Q2842-01DL | RMW-03B-90.4-081220 | BN037620.D | 20 Aug 2025 05:27 |  | RC/JU | Ok |
| 23 | Q2842-02DL | RMW-02B-66.3-081220 | BN037621.D | 20 Aug 2025 06:03 |  | RC/JU | Ok |
| 24 | Q2869-01DL | MW-19B-71.5-081325D | BN037622.D | 20 Aug 2025 06:38 |  | RC/JU | Ok |
| 25 | Q2881-01   | RW8-SP100-20250814  | BN037623.D | 20 Aug 2025 07:13 |  | RC/JU | Ok |
| 26 | Q2881-02   | RW8-SP303-20250814  | BN037624.D | 20 Aug 2025 07:49 |  | RC/JU | Ok |
| 27 | Q2882-01   | RW7-SP100-20250814  | BN037625.D | 20 Aug 2025 08:25 |  | RC/JU | Ok |
| 28 | Q2882-02   | RW7-SP201-20250814  | BN037626.D | 20 Aug 2025 09:00 |  | RC/JU | Ok |
| 29 | Q2882-03   | RW7-SP302-20250814  | BN037627.D | 20 Aug 2025 09:37 |  | RC/JU | Ok |
| 30 | Q2882-04   | RW7-SP303-20250814  | BN037628.D | 20 Aug 2025 10:13 |  | RC/JU | Ok |
| 31 | Q2878-05DL | MW-11A-37.5-081425D | BN037629.D | 20 Aug 2025 10:49 |  | RC/JU | Ok |
| 32 | PB169286BS | PB169286BS          | BN037630.D | 20 Aug 2025 11:25 |  | RC/JU | Ok |
| 33 | SSTDCCC0.4 | SSTDCCC0.4EC        | BN037631.D | 20 Aug 2025 14:56 |  | RC/JU | Ok |

M : Manual Integration



|                           |                                                                                                                                                                                                                      |                                |            |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|------------|
| <b>SOP ID:</b>            | M3510C,3580A-Extraction SVOC-21                                                                                                                                                                                      |                                |            |
| <b>Clean Up SOP #:</b>    | N/A                                                                                                                                                                                                                  | <b>Extraction Start Date :</b> | 08/18/2025 |
| <b>Matrix :</b>           | Water                                                                                                                                                                                                                | <b>Extraction Start Time :</b> | 08:41      |
| <b>Weigh By:</b>          | N/A                                                                                                                                                                                                                  | <b>Extraction By:</b>          | RS         |
| <b>Balance check:</b>     | N/A                                                                                                                                                                                                                  | <b>Extraction End Date :</b>   | 08/18/2025 |
| <b>Balance ID:</b>        | N/A                                                                                                                                                                                                                  | <b>Filter By:</b>              | RJ         |
| <b>pH Strip Lot#:</b>     | E3953                                                                                                                                                                                                                | <b>Extraction End Time :</b>   | 13:45      |
|                           |                                                                                                                                                                                                                      | <b>Concentration By:</b>       | EH         |
|                           |                                                                                                                                                                                                                      | <b>Supervisor By :</b>         | RUPESH     |
| <b>Extraction Method:</b> | <input checked="" type="checkbox"/> Separatory Funnel <input type="checkbox"/> Continuous Liquid/Liquid <input type="checkbox"/> Sonication <input type="checkbox"/> Waste Dilution <input type="checkbox"/> Soxhlet |                                |            |

| Standard Name | MLS USED | Concentration ug/mL | STD REF. # FROM LOG |
|---------------|----------|---------------------|---------------------|
| Spike Sol 1   | 1.0ML    | 0.4 PPM             | SP6855              |
| Surrogate     | 1.0ML    | 0.4 PPM             | SP6831              |
| 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            | E3964      |
| Baked Na2SO4       | N/A            | EP2632     |
| 10N NaoH           | N/A            | EP2609     |
| H2SO4 1:1          | N/A            | EP2610     |
| 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:**

1.5 ML Vial lot# 2210443. pH Adjusted<2 with 1:1 H2SO4 &>11 with 10 N NaOH.

|                             |                |                           |          |
|-----------------------------|----------------|---------------------------|----------|
| <b>KD Bath ID:</b>          | WATER BATH-1,2 | <b>Envap ID:</b>          | NEVAP-02 |
| <b>KD Bath Temperature:</b> | 60 °C          | <b>Envap Temperature:</b> | 40 °C    |

| Date / Time | Prepped Sample Relinquished By/Location | Received By/Location |
|-------------|-----------------------------------------|----------------------|
| 8/18/25     | RS (Ext Lab)                            | RC/svoc              |
| 13:50       | Preparation Group                       | Analysis Group       |

Analytical Method: M3510C,3580A-Extraction SVOC-21

Concentration Date: 08/18/2025

| Sample ID  | Client Sample ID      | Test               | g / <sup>1</sup> mL | PH | Surr/Spike By: |            | Final Vol. (mL) | JarID | Comments | Prep Pos |
|------------|-----------------------|--------------------|---------------------|----|----------------|------------|-----------------|-------|----------|----------|
|            |                       |                    |                     |    | AddedBy        | VerifiedBy |                 |       |          |          |
| PB169286BL | SBLK286               | SVOC-SIMGrou<br>p1 | 1000                | 6  | RUPESE         | ritesh     | 1               |       |          | SEP-1    |
| PB169286BS | SLCS286               | SVOC-SIMGrou<br>p1 | 1000                | 6  | RUPESE         | ritesh     | 1               |       |          | 2        |
| Q2842-01   | RMW-03B-90.4-08122025 | SVOC-SIMGrou<br>p1 | 910                 | 6  | RUPESE         | ritesh     | 1               | E     |          | 3        |
| Q2842-02   | RMW-02B-66.3-08122025 | SVOC-SIMGrou<br>p1 | 970                 | 6  | RUPESE         | ritesh     | 1               | E     |          | 4        |
| Q2842-03   | MW-17B-55.5-08122025  | SVOC-SIMGrou<br>p1 | 980                 | 6  | RUPESE         | ritesh     | 1               | H     |          | 5        |
| Q2842-04   | Q2842-03MS            | SVOC-SIMGrou<br>p1 | 940                 | 6  | RUPESE         | ritesh     | 1               | H     |          | 6        |
| Q2842-05   | Q2842-03MSD           | SVOC-SIMGrou<br>p1 | 960                 | 6  | RUPESE         | ritesh     | 1               | H     |          | 7        |
| Q2842-06   | MW-06-6.5-08122025    | SVOC-SIMGrou<br>p1 | 970                 | 6  | RUPESE         | ritesh     | 1               | B     |          | 8        |
| Q2869-01   | MW-19B-71.5-081325    | SVOC-SIMGrou<br>p1 | 930                 | 6  | RUPESE         | ritesh     | 1               | G     |          | 9        |
| Q2869-03   | MW-01-6.5-081325      | SVOC-SIMGrou<br>p1 | 900                 | 6  | RUPESE         | ritesh     | 1               | C     |          | 10       |
| Q2869-04   | MW-11A-13.5-081325    | SVOC-SIMGrou<br>p1 | 960                 | 6  | RUPESE         | ritesh     | 1               | C     |          | 11       |
| Q2869-05   | MW-19B-71.5-081325-FD | SVOC-SIMGrou<br>p1 | 960                 | 6  | RUPESE         | ritesh     | 1               | G     |          | 12       |
| Q2869-07   | EB01-081325           | SVOC-SIMGrou<br>p1 | 940                 | 6  | RUPESE         | ritesh     | 1               | G     |          | 13       |
| Q2869-10   | EB02-081325           | SVOC-SIMGrou<br>p1 | 1000                | 6  | RUPESE         | ritesh     | 1               | C     |          | 14       |
| Q2878-01   | MW-18B-57.5-081325    | SVOC-SIMGrou<br>p1 | 900                 | 6  | RUPESE         | ritesh     | 1               | C     |          | 15       |
| Q2878-05   | MW-11A-37.5-081425    | SVOC-SIMGrou<br>p1 | 950                 | 6  | RUPESE         | ritesh     | 1               | C     |          | 16       |
| Q2881-01   | RW8-SP100-2025814     | SVOC-SIMGrou<br>p1 | 1000                | 6  | RUPESE         | ritesh     | 1               | D     |          | SEP-1    |
| Q2881-02   | RW8-SP303-20250814    | SVOC-SIMGrou<br>p1 | 1000                | 6  | RUPESE         | ritesh     | 1               | D     |          | 2        |
| Q2882-01   | RW7-SP100-20250814    | SVOC-SIMGrou<br>p1 | 1000                | 6  | RUPESE         | ritesh     | 1               |       |          | 3        |
| Q2882-02   | RW7-SP201-20250814    | SVOC-SIMGrou<br>p1 | 1000                | 6  | RUPESE         | ritesh     | 1               |       |          | 4        |
| Q2882-03   | RW7-SP302-20250814    | SVOC-SIMGrou<br>p1 | 910                 | 6  | RUPESE         | ritesh     | 1               |       |          | 5        |
| Q2882-04   | RW7-SP303-20250814    | SVOC-SIMGrou<br>p1 | 940                 | 6  | RUPESE         | ritesh     | 1               |       |          | 6        |

\* Extracts relinquished on the same date as received.

Rg  
8/18

# WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2842      WorkList ID : 191325      Department : Extraction      Date : 08-18-2025 08:35:56

| Sample   | Customer Sample       | Matrix | Test           | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method        |
|----------|-----------------------|--------|----------------|--------------|----------|-----------------------------|--------------|---------------|
| Q2842-01 | RMW-03B-90.4-081225   | Water  | SVOC-SIMGroup1 | Cool 4 deg C | JACO05   | J32                         | 08/12/2025   | 8270-Modified |
| Q2842-02 | RMW-02B-66.3-081225   | Water  | SVOC-SIMGroup1 | Cool 4 deg C | JACO05   | J32                         | 08/12/2025   | 8270-Modified |
| Q2842-03 | MW-17B-55.5-081225    | Water  | SVOC-SIMGroup1 | Cool 4 deg C | JACO05   | J32                         | 08/12/2025   | 8270-Modified |
| Q2842-04 | Q2842-03MS            | Water  | SVOC-SIMGroup1 | Cool 4 deg C | JACO05   | J32                         | 08/12/2025   | 8270-Modified |
| Q2842-05 | Q2842-03MSD           | Water  | SVOC-SIMGroup1 | Cool 4 deg C | JACO05   | J32                         | 08/12/2025   | 8270-Modified |
| Q2842-06 | MW-06-6.5-081225      | Water  | SVOC-SIMGroup1 | Cool 4 deg C | JACO05   | J32                         | 08/12/2025   | 8270-Modified |
| Q2869-01 | MW-19B-71.5-081325    | Water  | SVOC-SIMGroup1 | Cool 4 deg C | JACO05   | J31                         | 08/13/2025   | 8270-Modified |
| Q2869-03 | MW-01-6.5-081325      | Water  | SVOC-SIMGroup1 | Cool 4 deg C | JACO05   | J31                         | 08/13/2025   | 8270-Modified |
| Q2869-04 | MW-11A-13.5-081325    | Water  | SVOC-SIMGroup1 | Cool 4 deg C | JACO05   | J31                         | 08/13/2025   | 8270-Modified |
| Q2869-05 | MW-19B-71.5-081325-FD | Water  | SVOC-SIMGroup1 | Cool 4 deg C | JACO05   | J31                         | 08/13/2025   | 8270-Modified |
| Q2869-07 | EB01-081325           | Water  | SVOC-SIMGroup1 | Cool 4 deg C | JACO05   | J31                         | 08/13/2025   | 8270-Modified |
| Q2869-10 | EB02-081325           | Water  | SVOC-SIMGroup1 | Cool 4 deg C | JACO05   | J31                         | 08/13/2025   | 8270-Modified |
| Q2878-01 | MW-18B-57.5-081325    | Water  | SVOC-SIMGroup1 | Cool 4 deg C | JACO05   | D31                         | 08/14/2025   | 8270-Modified |
| Q2878-05 | MW-11A-37.5-081425    | Water  | SVOC-SIMGroup1 | Cool 4 deg C | JACO05   | D31                         | 08/14/2025   | 8270-Modified |
| Q2881-01 | RW8-SP100-2025814     | Water  | SVOC-SIMGroup1 | Cool 4 deg C | TETR06   | J32                         | 08/14/2025   | 8270-Modified |
| Q2881-02 | RW8-SP303-20250814    | Water  | SVOC-SIMGroup1 | Cool 4 deg C | TETR06   | J32                         | 08/14/2025   | 8270-Modified |
| Q2882-01 | RW7-SP100-20250814    | Water  | SVOC-SIMGroup1 | Cool 4 deg C | TETR06   | J31                         | 08/14/2025   | 8270-Modified |
| Q2882-02 | RW7-SP201-20250814    | Water  | SVOC-SIMGroup1 | Cool 4 deg C | TETR06   | J31                         | 08/14/2025   | 8270-Modified |
| Q2882-03 | RW7-SP302-20250814    | Water  | SVOC-SIMGroup1 | Cool 4 deg C | TETR06   | J31                         | 08/14/2025   | 8270-Modified |
| Q2882-04 | RW7-SP303-20250814    | Water  | SVOC-SIMGroup1 | Cool 4 deg C | TETR06   | J31                         | 08/14/2025   | 8270-Modified |

Date/Time 8/18/25 8:36  
Raw Sample Received by: RS (Ex- Lab)  
Raw Sample Relinquished by: JA SM

Date/Time 8/18/25 9:10  
Raw Sample Received by: JA SM  
Raw Sample Relinquished by: RS (Ex- Lab)

## LAB CHRONICLE

|                 |                                |                   |                                           |
|-----------------|--------------------------------|-------------------|-------------------------------------------|
| <b>OrderID:</b> | Q2869                          | <b>OrderDate:</b> | 8/14/2025 9:15:00 AM                      |
| <b>Client:</b>  | JACOBS Engineering Group, Inc. | <b>Project:</b>   | Former Schlumberger STC PTC Site D3868221 |
| <b>Contact:</b> | John Ynfante                   | <b>Location:</b>  | J31,VOA Lab                               |

| LabID             | ClientID                          | Matrix       | Test           | Method        | Sample Date     | Prep Date | Anal Date | Received        |
|-------------------|-----------------------------------|--------------|----------------|---------------|-----------------|-----------|-----------|-----------------|
| <b>Q2869-01</b>   | <b>MW-19B-71.5-081325</b>         | <b>Water</b> | SVOC-SIMGroup1 | 8270-Modified | <b>08/13/25</b> | 08/18/25  | 08/19/25  | <b>08/13/25</b> |
| <b>Q2869-01DL</b> | <b>MW-19B-71.5-081325<br/>DL</b>  | <b>Water</b> | SVOC-SIMGroup1 | 8270-Modified | <b>08/13/25</b> | 08/18/25  | 08/20/25  | <b>08/13/25</b> |
| <b>Q2869-03</b>   | <b>MW-01-6.5-081325</b>           | <b>Water</b> | SVOC-SIMGroup1 | 8270-Modified | <b>08/13/25</b> | 08/18/25  | 08/19/25  | <b>08/13/25</b> |
| <b>Q2869-04</b>   | <b>MW-11A-13.5-081325</b>         | <b>Water</b> | SVOC-SIMGroup1 | 8270-Modified | <b>08/13/25</b> | 08/18/25  | 08/19/25  | <b>08/13/25</b> |
| <b>Q2869-05</b>   | <b>MW-19B-71.5-081325<br/>-FD</b> | <b>Water</b> | SVOC-SIMGroup1 | 8270-Modified | <b>08/13/25</b> | 08/18/25  | 08/19/25  | <b>08/13/25</b> |
| <b>Q2869-07</b>   | <b>EB01-081325</b>                | <b>Water</b> | SVOC-SIMGroup1 | 8270-Modified | <b>08/13/25</b> | 08/18/25  | 08/19/25  | <b>08/13/25</b> |
| <b>Q2869-10</b>   | <b>EB02-081325</b>                | <b>Water</b> | SVOC-SIMGroup1 | 8270-Modified | <b>08/13/25</b> | 08/18/25  | 08/19/25  | <b>08/13/25</b> |

**Hit Summary Sheet**  
**SW-846**

**SDG No.:** Q2869 **Order ID:** Q2869  
**Client:** JACOBS Engineering Group, Inc. **Project ID:** Former Schlumberger STC PTC Site D386

| Sample ID                                | Client ID             | Matrix | Parameter | Concentration | C | MDL   | RDL  | Units |
|------------------------------------------|-----------------------|--------|-----------|---------------|---|-------|------|-------|
| <b>Client ID : MW-19B-71.5-081325</b>    |                       |        |           |               |   |       |      |       |
| Q2869-01                                 | MW-19B-71.5-081325    | Water  | Aluminum  | 2.81          | J | 1.94  | 20.0 | ug/L  |
| Q2869-01                                 | MW-19B-71.5-081325    | Water  | Arsenic   | 1.75          |   | 0.089 | 1.00 | ug/L  |
| Q2869-01                                 | MW-19B-71.5-081325    | Water  | Barium    | 188           |   | 0.21  | 10.0 | ug/L  |
| Q2869-01                                 | MW-19B-71.5-081325    | Water  | Calcium   | 62500         |   | 45.7  | 500  | ug/L  |
| Q2869-01                                 | MW-19B-71.5-081325    | Water  | Cobalt    | 1.73          |   | 0.070 | 1.00 | ug/L  |
| Q2869-01                                 | MW-19B-71.5-081325    | Water  | Iron      | 21900         |   | 7.81  | 50.0 | ug/L  |
| Q2869-01                                 | MW-19B-71.5-081325    | Water  | Lead      | 13.4          |   | 0.21  | 1.00 | ug/L  |
| Q2869-01                                 | MW-19B-71.5-081325    | Water  | Magnesium | 21300         |   | 19.5  | 500  | ug/L  |
| Q2869-01                                 | MW-19B-71.5-081325    | Water  | Manganese | 1200          |   | 0.43  | 1.00 | ug/L  |
| Q2869-01                                 | MW-19B-71.5-081325    | Water  | Nickel    | 0.95          | J | 0.27  | 1.00 | ug/L  |
| Q2869-01                                 | MW-19B-71.5-081325    | Water  | Potassium | 9770          |   | 36.4  | 500  | ug/L  |
| Q2869-01                                 | MW-19B-71.5-081325    | Water  | Selenium  | 8.82          |   | 2.90  | 5.00 | ug/L  |
| Q2869-01                                 | MW-19B-71.5-081325    | Water  | Sodium    | 11600         |   | 128   | 500  | ug/L  |
| Q2869-01                                 | MW-19B-71.5-081325    | Water  | Vanadium  | 0.080         | J | 0.077 | 5.00 | ug/L  |
| <b>Client ID : MW-19B-71.5-081325</b>    |                       |        |           |               |   |       |      |       |
| Q2869-02                                 | MW-19B-71.5-081325    | Water  | Iron      | 21300         |   | 7.81  | 50.0 | ug/L  |
| <b>Client ID : MW-19B-71.5-081325-FD</b> |                       |        |           |               |   |       |      |       |
| Q2869-05                                 | MW-19B-71.5-081325-FD | Water  | Aluminum  | 4.01          | J | 1.94  | 20.0 | ug/L  |
| Q2869-05                                 | MW-19B-71.5-081325-FD | Water  | Arsenic   | 0.45          | J | 0.089 | 1.00 | ug/L  |
| Q2869-05                                 | MW-19B-71.5-081325-FD | Water  | Barium    | 182           |   | 0.21  | 10.0 | ug/L  |
| Q2869-05                                 | MW-19B-71.5-081325-FD | Water  | Calcium   | 66300         |   | 45.7  | 500  | ug/L  |
| Q2869-05                                 | MW-19B-71.5-081325-FD | Water  | Chromium  | 0.43          | J | 0.21  | 2.00 | ug/L  |
| Q2869-05                                 | MW-19B-71.5-081325-FD | Water  | Cobalt    | 1.85          |   | 0.070 | 1.00 | ug/L  |
| Q2869-05                                 | MW-19B-71.5-081325-FD | Water  | Iron      | 23100         |   | 7.81  | 50.0 | ug/L  |
| Q2869-05                                 | MW-19B-71.5-081325-FD | Water  | Magnesium | 22200         |   | 19.5  | 500  | ug/L  |
| Q2869-05                                 | MW-19B-71.5-081325-FD | Water  | Manganese | 1250          |   | 0.43  | 1.00 | ug/L  |
| Q2869-05                                 | MW-19B-71.5-081325-FD | Water  | Nickel    | 0.64          | J | 0.27  | 1.00 | ug/L  |
| Q2869-05                                 | MW-19B-71.5-081325-FD | Water  | Mercury   | 0.11          | J | 0.076 | 0.20 | ug/L  |
| Q2869-05                                 | MW-19B-71.5-081325-FD | Water  | Potassium | 9950          |   | 36.4  | 500  | ug/L  |
| Q2869-05                                 | MW-19B-71.5-081325-FD | Water  | Sodium    | 12000         |   | 128   | 500  | ug/L  |
| Q2869-05                                 | MW-19B-71.5-081325-FD | Water  | Vanadium  | 0.090         | J | 0.077 | 5.00 | ug/L  |
| <b>Client ID : MW-19B-71.5-081325-FD</b> |                       |        |           |               |   |       |      |       |
| Q2869-06                                 | MW-19B-71.5-081325-FD | Water  | Iron      | 22000         |   | 7.81  | 50.0 | ug/L  |
| <b>Client ID : EB01-081325</b>           |                       |        |           |               |   |       |      |       |
| Q2869-07                                 | EB01-081325           | Water  | Iron      | 25.5          | J | 7.81  | 50.0 | ug/L  |

**Hit Summary Sheet**  
**SW-846**

|                 |                                |                    |                                       |
|-----------------|--------------------------------|--------------------|---------------------------------------|
| <b>SDG No.:</b> | Q2869                          | <b>Order ID:</b>   | Q2869                                 |
| <b>Client:</b>  | JACOBS Engineering Group, Inc. | <b>Project ID:</b> | Former Schlumberger STC PTC Site D386 |

| Sample ID | Client ID   | Matrix | Parameter | Concentration | C | MDL  | RDL  | Units |
|-----------|-------------|--------|-----------|---------------|---|------|------|-------|
| Q2869-07  | EB01-081325 | Water  | Manganese | 16.0          |   | 0.43 | 1.00 | ug/L  |
| Q2869-07  | EB01-081325 | Water  | Potassium | 188           | J | 36.4 | 500  | ug/L  |

A

B

C

D

E

F

G

H

I

J



# SAMPLE DATA



## Report of Analysis

|                   |                                           |                 |          |
|-------------------|-------------------------------------------|-----------------|----------|
| Client:           | JACOBS Engineering Group, Inc.            | Date Collected: | 08/13/25 |
| Project:          | Former Schlumberger STC PTC Site D3868221 | Date Received:  | 08/13/25 |
| Client Sample ID: | MW-19B-71.5-081325                        | SDG No.:        | Q2869    |
| Lab Sample ID:    | Q2869-01                                  | Matrix:         | Water    |
| Level (low/med):  | low                                       | % Solid:        | 0        |

| Cas       | Parameter | Conc. | Qua. | DF | MDL   | LOQ / CRQL | Units | Prep Date      | Date Ana.      | Ana Met. | Prep Met. |
|-----------|-----------|-------|------|----|-------|------------|-------|----------------|----------------|----------|-----------|
| 7429-90-5 | Aluminum  | 2.81  | J    | 1  | 1.94  | 20.0       | ug/L  | 08/14/25 14:10 | 08/15/25 15:52 | 6020B    | 3010A     |
| 7440-36-0 | Antimony  | 0.11  | U    | 1  | 0.11  | 2.00       | ug/L  | 08/14/25 14:10 | 08/15/25 15:52 | 6020B    | 3010A     |
| 7440-38-2 | Arsenic   | 1.75  |      | 1  | 0.089 | 1.00       | ug/L  | 08/14/25 14:10 | 08/15/25 15:52 | 6020B    | 3010A     |
| 7440-39-3 | Barium    | 188   |      | 1  | 0.21  | 10.0       | ug/L  | 08/14/25 14:10 | 08/15/25 15:52 | 6020B    | 3010A     |
| 7440-41-7 | Beryllium | 0.32  | U    | 1  | 0.32  | 1.00       | ug/L  | 08/14/25 14:10 | 08/15/25 15:52 | 6020B    | 3010A     |
| 7440-43-9 | Cadmium   | 0.34  | U    | 1  | 0.34  | 1.00       | ug/L  | 08/14/25 14:10 | 08/15/25 15:52 | 6020B    | 3010A     |
| 7440-70-2 | Calcium   | 62500 |      | 1  | 45.7  | 500        | ug/L  | 08/14/25 14:10 | 08/15/25 15:52 | 6020B    | 3010A     |
| 7440-47-3 | Chromium  | 0.21  | U    | 1  | 0.21  | 2.00       | ug/L  | 08/14/25 14:10 | 08/15/25 15:52 | 6020B    | 3010A     |
| 7440-48-4 | Cobalt    | 1.73  |      | 1  | 0.070 | 1.00       | ug/L  | 08/14/25 14:10 | 08/15/25 15:52 | 6020B    | 3010A     |
| 7440-50-8 | Copper    | 0.30  | U    | 1  | 0.30  | 2.00       | ug/L  | 08/14/25 14:10 | 08/15/25 15:52 | 6020B    | 3010A     |
| 7439-89-6 | Iron      | 21900 |      | 1  | 7.81  | 50.0       | ug/L  | 08/14/25 14:10 | 08/15/25 15:52 | 6020B    | 3010A     |
| 7439-92-1 | Lead      | 13.4  |      | 1  | 0.21  | 1.00       | ug/L  | 08/14/25 14:10 | 08/15/25 15:52 | 6020B    | 3010A     |
| 7439-95-4 | Magnesium | 21300 |      | 1  | 19.5  | 500        | ug/L  | 08/14/25 14:10 | 08/15/25 15:52 | 6020B    | 3010A     |
| 7439-96-5 | Manganese | 1200  |      | 1  | 0.43  | 1.00       | ug/L  | 08/14/25 14:10 | 08/15/25 15:52 | 6020B    | 3010A     |
| 7439-97-6 | Mercury   | 0.076 | U    | 1  | 0.076 | 0.20       | ug/L  | 08/20/25 13:50 | 08/21/25 09:22 | 7470A    |           |
| 7440-02-0 | Nickel    | 0.95  | J    | 1  | 0.27  | 1.00       | ug/L  | 08/14/25 14:10 | 08/15/25 15:52 | 6020B    | 3010A     |
| 7440-09-7 | Potassium | 9770  |      | 1  | 36.4  | 500        | ug/L  | 08/14/25 14:10 | 08/15/25 15:52 | 6020B    | 3010A     |
| 7782-49-2 | Selenium  | 8.82  |      | 1  | 2.90  | 5.00       | ug/L  | 08/14/25 14:10 | 08/15/25 15:52 | 6020B    | 3010A     |
| 7440-22-4 | Silver    | 0.060 | UN   | 1  | 0.060 | 1.00       | ug/L  | 08/14/25 14:10 | 08/15/25 15:52 | 6020B    | 3010A     |
| 7440-23-5 | Sodium    | 11600 |      | 1  | 128   | 500        | ug/L  | 08/14/25 14:10 | 08/15/25 15:52 | 6020B    | 3010A     |
| 7440-28-0 | Thallium  | 0.060 | U    | 1  | 0.060 | 1.00       | ug/L  | 08/14/25 14:10 | 08/15/25 15:52 | 6020B    | 3010A     |
| 7440-62-2 | Vanadium  | 0.080 | J    | 1  | 0.077 | 5.00       | ug/L  | 08/14/25 14:10 | 08/15/25 15:52 | 6020B    | 3010A     |
| 7440-66-6 | Zinc      | 1.25  | U    | 1  | 1.25  | 5.00       | ug/L  | 08/14/25 14:10 | 08/15/25 15:52 | 6020B    | 3010A     |

|               |            |                 |       |            |
|---------------|------------|-----------------|-------|------------|
| Color Before: | Colorless  | Clarity Before: | Clear | Texture:   |
| Color After:  | Colorless  | Clarity After:  | Clear | Artifacts: |
| Comments:     | METALS-TAL |                 |       |            |

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

\* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N = Spiked sample recovery not within control limits



## Report of Analysis

|                   |                                           |                 |          |
|-------------------|-------------------------------------------|-----------------|----------|
| Client:           | JACOBS Engineering Group, Inc.            | Date Collected: | 08/13/25 |
| Project:          | Former Schlumberger STC PTC Site D3868221 | Date Received:  | 08/13/25 |
| Client Sample ID: | MW-19B-71.5-081325                        | SDG No.:        | Q2869    |
| Lab Sample ID:    | Q2869-02                                  | Matrix:         | Water    |
| Level (low/med):  | low                                       | % Solid:        | 0        |

| Cas       | Parameter | Conc. | Qua. | DF   | MDL | LOQ / CRQL | Units | Prep Date      | Date Ana.      | Ana Met. | Prep Met. |
|-----------|-----------|-------|------|------|-----|------------|-------|----------------|----------------|----------|-----------|
| 7439-89-6 | Iron      | 21300 | 1    | 7.81 |     | 50.0       | ug/L  | 08/14/25 14:10 | 08/15/25 15:55 | 6020B    | 3010A     |

|               |                         |                 |       |            |
|---------------|-------------------------|-----------------|-------|------------|
| Color Before: | Colorless               | Clarity Before: | Clear | Texture:   |
| Color After:  | Colorless               | Clarity After:  | Clear | Artifacts: |
| Comments:     | Dissolved Metals Group3 |                 |       |            |

U = Not Detected  
 LOQ = Limit of Quantitation  
 MDL = Method Detection Limit  
 LOD = Limit of Detection  
 D = Dilution  
 Q = indicates LCS control criteria did not meet requirements

J = Estimated Value  
 B = Analyte Found in Associated Method Blank  
 \* = indicates the duplicate analysis is not within control limits.  
 E = Indicates the reported value is estimated because of the presence of interference.  
 OR = Over Range  
 N =Spiked sample recovery not within control limits

## Report of Analysis

|                   |                                           |                 |          |
|-------------------|-------------------------------------------|-----------------|----------|
| Client:           | JACOBS Engineering Group, Inc.            | Date Collected: | 08/13/25 |
| Project:          | Former Schlumberger STC PTC Site D3868221 | Date Received:  | 08/13/25 |
| Client Sample ID: | MW-19B-71.5-081325-FD                     | SDG No.:        | Q2869    |
| Lab Sample ID:    | Q2869-05                                  | Matrix:         | Water    |
| Level (low/med):  | low                                       | % Solid:        | 0        |

| Cas       | Parameter | Conc. | Qua. | DF | MDL   | LOQ / CRQL | Units | Prep Date      | Date Ana.      | Ana Met. | Prep Met. |
|-----------|-----------|-------|------|----|-------|------------|-------|----------------|----------------|----------|-----------|
| 7429-90-5 | Aluminum  | 4.01  | J    | 1  | 1.94  | 20.0       | ug/L  | 08/14/25 14:10 | 08/15/25 16:13 | 6020B    | 3010A     |
| 7440-36-0 | Antimony  | 0.11  | U    | 1  | 0.11  | 2.00       | ug/L  | 08/14/25 14:10 | 08/15/25 16:13 | 6020B    | 3010A     |
| 7440-38-2 | Arsenic   | 0.45  | J    | 1  | 0.089 | 1.00       | ug/L  | 08/14/25 14:10 | 08/15/25 16:13 | 6020B    | 3010A     |
| 7440-39-3 | Barium    | 182   |      | 1  | 0.21  | 10.0       | ug/L  | 08/14/25 14:10 | 08/15/25 16:13 | 6020B    | 3010A     |
| 7440-41-7 | Beryllium | 0.32  | U    | 1  | 0.32  | 1.00       | ug/L  | 08/14/25 14:10 | 08/15/25 16:13 | 6020B    | 3010A     |
| 7440-43-9 | Cadmium   | 0.34  | U    | 1  | 0.34  | 1.00       | ug/L  | 08/14/25 14:10 | 08/15/25 16:13 | 6020B    | 3010A     |
| 7440-70-2 | Calcium   | 66300 |      | 1  | 45.7  | 500        | ug/L  | 08/14/25 14:10 | 08/15/25 16:13 | 6020B    | 3010A     |
| 7440-47-3 | Chromium  | 0.43  | J    | 1  | 0.21  | 2.00       | ug/L  | 08/14/25 14:10 | 08/15/25 16:13 | 6020B    | 3010A     |
| 7440-48-4 | Cobalt    | 1.85  |      | 1  | 0.070 | 1.00       | ug/L  | 08/14/25 14:10 | 08/15/25 16:13 | 6020B    | 3010A     |
| 7440-50-8 | Copper    | 0.30  | U    | 1  | 0.30  | 2.00       | ug/L  | 08/14/25 14:10 | 08/15/25 16:13 | 6020B    | 3010A     |
| 7439-89-6 | Iron      | 23100 |      | 1  | 7.81  | 50.0       | ug/L  | 08/14/25 14:10 | 08/15/25 16:13 | 6020B    | 3010A     |
| 7439-92-1 | Lead      | 0.21  | U    | 1  | 0.21  | 1.00       | ug/L  | 08/14/25 14:10 | 08/15/25 16:13 | 6020B    | 3010A     |
| 7439-95-4 | Magnesium | 22200 |      | 1  | 19.5  | 500        | ug/L  | 08/14/25 14:10 | 08/15/25 16:13 | 6020B    | 3010A     |
| 7439-96-5 | Manganese | 1250  |      | 1  | 0.43  | 1.00       | ug/L  | 08/14/25 14:10 | 08/15/25 16:13 | 6020B    | 3010A     |
| 7439-97-6 | Mercury   | 0.11  | J    | 1  | 0.076 | 0.20       | ug/L  | 08/20/25 13:50 | 08/21/25 09:33 | 7470A    |           |
| 7440-02-0 | Nickel    | 0.64  | J    | 1  | 0.27  | 1.00       | ug/L  | 08/14/25 14:10 | 08/15/25 16:13 | 6020B    | 3010A     |
| 7440-09-7 | Potassium | 9950  |      | 1  | 36.4  | 500        | ug/L  | 08/14/25 14:10 | 08/15/25 16:13 | 6020B    | 3010A     |
| 7782-49-2 | Selenium  | 2.90  | U    | 1  | 2.90  | 5.00       | ug/L  | 08/14/25 14:10 | 08/15/25 16:13 | 6020B    | 3010A     |
| 7440-22-4 | Silver    | 0.060 | UN   | 1  | 0.060 | 1.00       | ug/L  | 08/14/25 14:10 | 08/15/25 16:13 | 6020B    | 3010A     |
| 7440-23-5 | Sodium    | 12000 |      | 1  | 128   | 500        | ug/L  | 08/14/25 14:10 | 08/15/25 16:13 | 6020B    | 3010A     |
| 7440-28-0 | Thallium  | 0.060 | U    | 1  | 0.060 | 1.00       | ug/L  | 08/14/25 14:10 | 08/15/25 16:13 | 6020B    | 3010A     |
| 7440-62-2 | Vanadium  | 0.090 | J    | 1  | 0.077 | 5.00       | ug/L  | 08/14/25 14:10 | 08/15/25 16:13 | 6020B    | 3010A     |
| 7440-66-6 | Zinc      | 1.25  | U    | 1  | 1.25  | 5.00       | ug/L  | 08/14/25 14:10 | 08/15/25 16:13 | 6020B    | 3010A     |

|               |            |                 |       |            |
|---------------|------------|-----------------|-------|------------|
| Color Before: | Colorless  | Clarity Before: | Clear | Texture:   |
| Color After:  | Colorless  | Clarity After:  | Clear | Artifacts: |
| Comments:     | METALS-TAL |                 |       |            |

U = Not Detected

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\* = indicates the duplicate analysis is not within control limits.

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OR = Over Range

N = Spiked sample recovery not within control limits

## Report of Analysis

|                   |                                           |                 |          |
|-------------------|-------------------------------------------|-----------------|----------|
| Client:           | JACOBS Engineering Group, Inc.            | Date Collected: | 08/13/25 |
| Project:          | Former Schlumberger STC PTC Site D3868221 | Date Received:  | 08/13/25 |
| Client Sample ID: | MW-19B-71.5-081325-FD                     | SDG No.:        | Q2869    |
| Lab Sample ID:    | Q2869-06                                  | Matrix:         | Water    |
| Level (low/med):  | low                                       | % Solid:        | 0        |

| Cas       | Parameter | Conc. | Qua. | DF   | MDL | LOQ / CRQL | Units | Prep Date      | Date Ana.      | Ana Met. | Prep Met. |
|-----------|-----------|-------|------|------|-----|------------|-------|----------------|----------------|----------|-----------|
| 7439-89-6 | Iron      | 22000 | 1    | 7.81 |     | 50.0       | ug/L  | 08/14/25 14:10 | 08/15/25 16:16 | 6020B    | 3010A     |

|               |                         |                 |       |            |
|---------------|-------------------------|-----------------|-------|------------|
| Color Before: | Colorless               | Clarity Before: | Clear | Texture:   |
| Color After:  | Colorless               | Clarity After:  | Clear | Artifacts: |
| Comments:     | Dissolved Metals Group3 |                 |       |            |

U = Not Detected  
 LOQ = Limit of Quantitation  
 MDL = Method Detection Limit  
 LOD = Limit of Detection  
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 Q = indicates LCS control criteria did not meet requirements

J = Estimated Value  
 B = Analyte Found in Associated Method Blank  
 \* = indicates the duplicate analysis is not within control limits.  
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 OR = Over Range  
 N =Spiked sample recovery not within control limits

## Report of Analysis

|                   |                                           |                 |          |
|-------------------|-------------------------------------------|-----------------|----------|
| Client:           | JACOBS Engineering Group, Inc.            | Date Collected: | 08/13/25 |
| Project:          | Former Schlumberger STC PTC Site D3868221 | Date Received:  | 08/13/25 |
| Client Sample ID: | EB01-081325                               | SDG No.:        | Q2869    |
| Lab Sample ID:    | Q2869-07                                  | Matrix:         | Water    |
| Level (low/med):  | low                                       | % Solid:        | 0        |

| Cas       | Parameter | Conc. | Qua. | DF | MDL   | LOQ / CRQL | Units | Prep Date      | Date Ana.      | Ana Met. | Prep Met. |
|-----------|-----------|-------|------|----|-------|------------|-------|----------------|----------------|----------|-----------|
| 7429-90-5 | Aluminum  | 1.94  | U    | 1  | 1.94  | 20.0       | ug/L  | 08/14/25 14:10 | 08/15/25 16:19 | 6020B    | 3010A     |
| 7440-36-0 | Antimony  | 0.11  | U    | 1  | 0.11  | 2.00       | ug/L  | 08/14/25 14:10 | 08/15/25 16:19 | 6020B    | 3010A     |
| 7440-38-2 | Arsenic   | 0.089 | U    | 1  | 0.089 | 1.00       | ug/L  | 08/14/25 14:10 | 08/15/25 16:19 | 6020B    | 3010A     |
| 7440-39-3 | Barium    | 0.21  | U    | 1  | 0.21  | 10.0       | ug/L  | 08/14/25 14:10 | 08/15/25 16:19 | 6020B    | 3010A     |
| 7440-41-7 | Beryllium | 0.32  | U    | 1  | 0.32  | 1.00       | ug/L  | 08/14/25 14:10 | 08/15/25 16:19 | 6020B    | 3010A     |
| 7440-43-9 | Cadmium   | 0.34  | U    | 1  | 0.34  | 1.00       | ug/L  | 08/14/25 14:10 | 08/15/25 16:19 | 6020B    | 3010A     |
| 7440-70-2 | Calcium   | 45.7  | U    | 1  | 45.7  | 500        | ug/L  | 08/14/25 14:10 | 08/15/25 16:19 | 6020B    | 3010A     |
| 7440-47-3 | Chromium  | 0.21  | U    | 1  | 0.21  | 2.00       | ug/L  | 08/14/25 14:10 | 08/15/25 16:19 | 6020B    | 3010A     |
| 7440-48-4 | Cobalt    | 0.070 | U    | 1  | 0.070 | 1.00       | ug/L  | 08/14/25 14:10 | 08/15/25 16:19 | 6020B    | 3010A     |
| 7440-50-8 | Copper    | 0.30  | U    | 1  | 0.30  | 2.00       | ug/L  | 08/14/25 14:10 | 08/15/25 16:19 | 6020B    | 3010A     |
| 7439-89-6 | Iron      | 25.5  | J    | 1  | 7.81  | 50.0       | ug/L  | 08/14/25 14:10 | 08/15/25 16:19 | 6020B    | 3010A     |
| 7439-92-1 | Lead      | 0.21  | U    | 1  | 0.21  | 1.00       | ug/L  | 08/14/25 14:10 | 08/15/25 16:19 | 6020B    | 3010A     |
| 7439-95-4 | Magnesium | 19.5  | U    | 1  | 19.5  | 500        | ug/L  | 08/14/25 14:10 | 08/15/25 16:19 | 6020B    | 3010A     |
| 7439-96-5 | Manganese | 16.0  |      | 1  | 0.43  | 1.00       | ug/L  | 08/14/25 14:10 | 08/15/25 16:19 | 6020B    | 3010A     |
| 7439-97-6 | Mercury   | 0.076 | U    | 1  | 0.076 | 0.20       | ug/L  | 08/20/25 13:50 | 08/21/25 09:40 | 7470A    |           |
| 7440-02-0 | Nickel    | 0.27  | U    | 1  | 0.27  | 1.00       | ug/L  | 08/14/25 14:10 | 08/15/25 16:19 | 6020B    | 3010A     |
| 7440-09-7 | Potassium | 188   | J    | 1  | 36.4  | 500        | ug/L  | 08/14/25 14:10 | 08/15/25 16:19 | 6020B    | 3010A     |
| 7782-49-2 | Selenium  | 2.90  | U    | 1  | 2.90  | 5.00       | ug/L  | 08/14/25 14:10 | 08/15/25 16:19 | 6020B    | 3010A     |
| 7440-22-4 | Silver    | 0.060 | UN   | 1  | 0.060 | 1.00       | ug/L  | 08/14/25 14:10 | 08/15/25 16:19 | 6020B    | 3010A     |
| 7440-23-5 | Sodium    | 128   | U    | 1  | 128   | 500        | ug/L  | 08/14/25 14:10 | 08/15/25 16:19 | 6020B    | 3010A     |
| 7440-28-0 | Thallium  | 0.060 | U    | 1  | 0.060 | 1.00       | ug/L  | 08/14/25 14:10 | 08/15/25 16:19 | 6020B    | 3010A     |
| 7440-62-2 | Vanadium  | 0.077 | U    | 1  | 0.077 | 5.00       | ug/L  | 08/14/25 14:10 | 08/15/25 16:19 | 6020B    | 3010A     |
| 7440-66-6 | Zinc      | 1.25  | U    | 1  | 1.25  | 5.00       | ug/L  | 08/14/25 14:10 | 08/15/25 16:19 | 6020B    | 3010A     |

|               |            |                 |       |            |
|---------------|------------|-----------------|-------|------------|
| Color Before: | Colorless  | Clarity Before: | Clear | Texture:   |
| Color After:  | Colorless  | Clarity After:  | Clear | Artifacts: |
| Comments:     | METALS-TAL |                 |       |            |

U = Not Detected  
LOQ = Limit of Quantitation  
MDL = Method Detection Limit  
LOD = Limit of Detection  
D = Dilution  
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value  
B = Analyte Found in Associated Method Blank  
\* = indicates the duplicate analysis is not within control limits.  
E = Indicates the reported value is estimated because of the presence of interference.  
OR = Over Range  
N = Spiked sample recovery not within control limits

## Report of Analysis

|                   |                                           |                 |          |
|-------------------|-------------------------------------------|-----------------|----------|
| Client:           | JACOBS Engineering Group, Inc.            | Date Collected: | 08/13/25 |
| Project:          | Former Schlumberger STC PTC Site D3868221 | Date Received:  | 08/13/25 |
| Client Sample ID: | EB01-081325                               | SDG No.:        | Q2869    |
| Lab Sample ID:    | Q2869-08                                  | Matrix:         | Water    |
| Level (low/med):  | low                                       | % Solid:        | 0        |

| Cas       | Parameter | Conc. | Qua. | DF | MDL  | LOQ / CRQL | Units | Prep Date      | Date Ana.      | Ana Met. | Prep Met. |
|-----------|-----------|-------|------|----|------|------------|-------|----------------|----------------|----------|-----------|
| 7439-89-6 | Iron      | 7.81  | U    | 1  | 7.81 | 50.0       | ug/L  | 08/14/25 14:10 | 08/15/25 16:23 | 6020B    | 3010A     |

|               |                         |                 |       |            |
|---------------|-------------------------|-----------------|-------|------------|
| Color Before: | Colorless               | Clarity Before: | Clear | Texture:   |
| Color After:  | Colorless               | Clarity After:  | Clear | Artifacts: |
| Comments:     | Dissolved Metals Group3 |                 |       |            |

U = Not Detected  
 LOQ = Limit of Quantitation  
 MDL = Method Detection Limit  
 LOD = Limit of Detection  
 D = Dilution  
 Q = indicates LCS control criteria did not meet requirements

J = Estimated Value  
 B = Analyte Found in Associated Method Blank  
 \* = indicates the duplicate analysis is not within control limits.  
 E = Indicates the reported value is estimated because of the presence of interference.  
 OR = Over Range  
 N =Spiked sample recovery not within control limits



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

**Metals**

**- 3a -**

**INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY**

**Client:** JACOBS Engineering Group, Inc.

**SDG No.:** Q2869

**Contract:** JACO05

**Lab Code:** ACE

| Sample ID | Analyte | Result<br>ug/L | Acceptance<br>Limit | Conc<br>Qual | CRQL | M  | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|---------|----------------|---------------------|--------------|------|----|------------------|------------------|---------------|
| ICB27     | Mercury | 0.076          | +/-0.2              | U            | 0.20 | CV | 08/21/2025       | 09:01            | LB136901      |

**Metals**

- 3a -

**INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY**

**Client:** JACOBS Engineering Group, Inc.

**SDG No.:** Q2869

**Contract:** JACO05

**Lab Code:** ACE

| Sample ID | Analyte | Result<br>ug/L | Acceptance<br>Limit | Conc<br>Qual | CRQL | M  | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|---------|----------------|---------------------|--------------|------|----|------------------|------------------|---------------|
| CCB84     | Mercury | 0.076          | +/-0.2              | U            | 0.20 | CV | 08/21/2025       | 09:05            | LB136901      |
| CCB85     | Mercury | 0.076          | +/-0.2              | U            | 0.20 | CV | 08/21/2025       | 09:38            | LB136901      |
| CCB86     | Mercury | 0.076          | +/-0.2              | U            | 0.20 | CV | 08/21/2025       | 10:14            | LB136901      |

A

B

C

D

E

F

G

H

I

J

**Metals**

- 3a -

**INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY**

**Client:** JACOBS Engineering Group, Inc.

**SDG No.:** Q2869

**Contract:** JACO05

**Lab Code:** ACE

| Sample ID | Analyte   | Result<br>ug/L | Acceptance<br>Limit | Conc<br>Qual | CRQL | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|-----------|----------------|---------------------|--------------|------|---|------------------|------------------|---------------|
| ICB01     | Aluminum  | 1.94           | +/-10               | U            | 20.0 | P | 08/15/2025       | 13:43            | LB136861      |
|           | Antimony  | 0.11           | +/-1                | U            | 2.00 | P | 08/15/2025       | 13:43            | LB136861      |
|           | Arsenic   | 0.089          | +/-0.5              | U            | 1.00 | P | 08/15/2025       | 13:43            | LB136861      |
|           | Barium    | 0.21           | +/-5                | U            | 10.0 | P | 08/15/2025       | 13:43            | LB136861      |
|           | Beryllium | 0.32           | +/-0.5              | U            | 1.00 | P | 08/15/2025       | 13:43            | LB136861      |
|           | Cadmium   | 0.34           | +/-0.5              | U            | 1.00 | P | 08/15/2025       | 13:43            | LB136861      |
|           | Calcium   | 45.7           | +/-250              | U            | 500  | P | 08/15/2025       | 13:43            | LB136861      |
|           | Chromium  | 0.21           | +/-1                | U            | 2.00 | P | 08/15/2025       | 13:43            | LB136861      |
|           | Cobalt    | 0.070          | +/-0.5              | U            | 1.00 | P | 08/15/2025       | 13:43            | LB136861      |
|           | Copper    | 0.30           | +/-1                | U            | 2.00 | P | 08/15/2025       | 13:43            | LB136861      |
|           | Iron      | 7.81           | +/-25               | U            | 50.0 | P | 08/15/2025       | 13:43            | LB136861      |
|           | Lead      | 0.21           | +/-0.5              | U            | 1.00 | P | 08/15/2025       | 13:43            | LB136861      |
|           | Magnesium | 19.5           | +/-250              | U            | 500  | P | 08/15/2025       | 13:43            | LB136861      |
|           | Manganese | 0.43           | +/-0.5              | U            | 1.00 | P | 08/15/2025       | 13:43            | LB136861      |
|           | Nickel    | 0.27           | +/-0.5              | U            | 1.00 | P | 08/15/2025       | 13:43            | LB136861      |
|           | Potassium | 36.4           | +/-250              | U            | 500  | P | 08/15/2025       | 13:43            | LB136861      |
|           | Selenium  | 2.90           | +/-2.5              | U            | 5.00 | P | 08/15/2025       | 13:43            | LB136861      |
|           | Silver    | 0.060          | +/-0.5              | U            | 1.00 | P | 08/15/2025       | 13:43            | LB136861      |
|           | Sodium    | 128            | +/-250              | U            | 500  | P | 08/15/2025       | 13:43            | LB136861      |
|           | Thallium  | 0.060          | +/-0.5              | U            | 1.00 | P | 08/15/2025       | 13:43            | LB136861      |
|           | Vanadium  | 0.077          | +/-2.5              | U            | 5.00 | P | 08/15/2025       | 13:43            | LB136861      |
|           | Zinc      | 1.25           | +/-2.5              | U            | 5.00 | P | 08/15/2025       | 13:43            | LB136861      |



# Metals

- 3a -

## INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: JACOBS Engineering Group, Inc.

SDG No.: Q2869

Contract: JACO05

Lab Code: ACE

| Sample ID | Analyte   | Result<br>ug/L | Acceptance<br>Limit | Conc<br>Qual | CRQL | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|-----------|----------------|---------------------|--------------|------|---|------------------|------------------|---------------|
| CCB01     | Aluminum  | 1.94           | +/-10               | U            | 20.0 | P | 08/15/2025       | 13:56            | LB136861      |
|           | Antimony  | 0.11           | +/-1                | J            | 2.00 | P | 08/15/2025       | 13:56            | LB136861      |
|           | Arsenic   | 0.089          | +/-0.5              | U            | 1.00 | P | 08/15/2025       | 13:56            | LB136861      |
|           | Barium    | 0.21           | +/-5                | U            | 10.0 | P | 08/15/2025       | 13:56            | LB136861      |
|           | Beryllium | 0.32           | +/-0.5              | U            | 1.00 | P | 08/15/2025       | 13:56            | LB136861      |
|           | Cadmium   | 0.34           | +/-0.5              | U            | 1.00 | P | 08/15/2025       | 13:56            | LB136861      |
|           | Calcium   | 45.7           | +/-250              | U            | 500  | P | 08/15/2025       | 13:56            | LB136861      |
|           | Chromium  | 0.21           | +/-1                | U            | 2.00 | P | 08/15/2025       | 13:56            | LB136861      |
|           | Cobalt    | 0.070          | +/-0.5              | U            | 1.00 | P | 08/15/2025       | 13:56            | LB136861      |
|           | Copper    | 0.30           | +/-1                | U            | 2.00 | P | 08/15/2025       | 13:56            | LB136861      |
|           | Iron      | 7.81           | +/-25               | U            | 50.0 | P | 08/15/2025       | 13:56            | LB136861      |
|           | Lead      | 0.21           | +/-0.5              | U            | 1.00 | P | 08/15/2025       | 13:56            | LB136861      |
|           | Magnesium | 19.5           | +/-250              | U            | 500  | P | 08/15/2025       | 13:56            | LB136861      |
|           | Manganese | 0.43           | +/-0.5              | U            | 1.00 | P | 08/15/2025       | 13:56            | LB136861      |
|           | Nickel    | 0.27           | +/-0.5              | U            | 1.00 | P | 08/15/2025       | 13:56            | LB136861      |
|           | Potassium | 36.4           | +/-250              | U            | 500  | P | 08/15/2025       | 13:56            | LB136861      |
|           | Selenium  | 2.90           | +/-2.5              | U            | 5.00 | P | 08/15/2025       | 13:56            | LB136861      |
|           | Silver    | 0.060          | +/-0.5              | U            | 1.00 | P | 08/15/2025       | 13:56            | LB136861      |
|           | Sodium    | 128            | +/-250              | U            | 500  | P | 08/15/2025       | 13:56            | LB136861      |
|           | Thallium  | 0.070          | +/-0.5              | J            | 1.00 | P | 08/15/2025       | 13:56            | LB136861      |
|           | Vanadium  | 0.077          | +/-2.5              | U            | 5.00 | P | 08/15/2025       | 13:56            | LB136861      |
|           | Zinc      | 1.25           | +/-2.5              | U            | 5.00 | P | 08/15/2025       | 13:56            | LB136861      |
| CCB02     | Aluminum  | 1.94           | +/-10               | U            | 20.0 | P | 08/15/2025       | 14:44            | LB136861      |
|           | Antimony  | 0.13           | +/-1                | J            | 2.00 | P | 08/15/2025       | 14:44            | LB136861      |
|           | Arsenic   | 0.089          | +/-0.5              | U            | 1.00 | P | 08/15/2025       | 14:44            | LB136861      |
|           | Barium    | 0.21           | +/-5                | U            | 10.0 | P | 08/15/2025       | 14:44            | LB136861      |
|           | Beryllium | 0.32           | +/-0.5              | U            | 1.00 | P | 08/15/2025       | 14:44            | LB136861      |
|           | Cadmium   | 0.34           | +/-0.5              | U            | 1.00 | P | 08/15/2025       | 14:44            | LB136861      |
|           | Calcium   | 45.7           | +/-250              | U            | 500  | P | 08/15/2025       | 14:44            | LB136861      |
|           | Chromium  | 0.21           | +/-1                | U            | 2.00 | P | 08/15/2025       | 14:44            | LB136861      |
|           | Cobalt    | 0.070          | +/-0.5              | U            | 1.00 | P | 08/15/2025       | 14:44            | LB136861      |
|           | Copper    | 0.30           | +/-1                | U            | 2.00 | P | 08/15/2025       | 14:44            | LB136861      |
|           | Iron      | 9.88           | +/-25               | J            | 50.0 | P | 08/15/2025       | 14:44            | LB136861      |
|           | Lead      | 0.21           | +/-0.5              | U            | 1.00 | P | 08/15/2025       | 14:44            | LB136861      |
|           | Magnesium | 19.5           | +/-250              | U            | 500  | P | 08/15/2025       | 14:44            | LB136861      |
|           | Manganese | 0.43           | +/-0.5              | U            | 1.00 | P | 08/15/2025       | 14:44            | LB136861      |
|           | Nickel    | 0.27           | +/-0.5              | U            | 1.00 | P | 08/15/2025       | 14:44            | LB136861      |
|           | Potassium | 36.4           | +/-250              | U            | 500  | P | 08/15/2025       | 14:44            | LB136861      |
|           | Selenium  | 2.90           | +/-2.5              | U            | 5.00 | P | 08/15/2025       | 14:44            | LB136861      |

# Metals

- 3a -

## INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: JACOBS Engineering Group, Inc.

SDG No.: Q2869

Contract: JACO05

Lab Code: ACE

| Sample ID | Analyte   | Result<br>ug/L | Acceptance<br>Limit | Conc<br>Qual | CRQL | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|-----------|----------------|---------------------|--------------|------|---|------------------|------------------|---------------|
| CCB02     | Silver    | 0.060          | +/-0.5              | U            | 1.00 | P | 08/15/2025       | 14:44            | LB136861      |
|           | Sodium    | 128            | +/-250              | U            | 500  | P | 08/15/2025       | 14:44            | LB136861      |
|           | Thallium  | 0.10           | +/-0.5              | J            | 1.00 | P | 08/15/2025       | 14:44            | LB136861      |
|           | Vanadium  | 0.077          | +/-2.5              | U            | 5.00 | P | 08/15/2025       | 14:44            | LB136861      |
|           | Zinc      | 1.25           | +/-2.5              | U            | 5.00 | P | 08/15/2025       | 14:44            | LB136861      |
| CCB03     | Aluminum  | 1.94           | +/-10               | U            | 20.0 | P | 08/15/2025       | 15:24            | LB136861      |
|           | Antimony  | 0.14           | +/-1                | J            | 2.00 | P | 08/15/2025       | 15:24            | LB136861      |
|           | Arsenic   | 0.089          | +/-0.5              | U            | 1.00 | P | 08/15/2025       | 15:24            | LB136861      |
|           | Barium    | 0.21           | +/-5                | U            | 10.0 | P | 08/15/2025       | 15:24            | LB136861      |
|           | Beryllium | 0.32           | +/-0.5              | U            | 1.00 | P | 08/15/2025       | 15:24            | LB136861      |
|           | Cadmium   | 0.34           | +/-0.5              | U            | 1.00 | P | 08/15/2025       | 15:24            | LB136861      |
|           | Calcium   | 45.7           | +/-250              | U            | 500  | P | 08/15/2025       | 15:24            | LB136861      |
|           | Chromium  | 0.21           | +/-1                | U            | 2.00 | P | 08/15/2025       | 15:24            | LB136861      |
|           | Cobalt    | 0.070          | +/-0.5              | U            | 1.00 | P | 08/15/2025       | 15:24            | LB136861      |
|           | Copper    | 0.30           | +/-1                | U            | 2.00 | P | 08/15/2025       | 15:24            | LB136861      |
|           | Iron      | 7.81           | +/-25               | U            | 50.0 | P | 08/15/2025       | 15:24            | LB136861      |
|           | Lead      | 0.21           | +/-0.5              | U            | 1.00 | P | 08/15/2025       | 15:24            | LB136861      |
|           | Magnesium | 19.5           | +/-250              | U            | 500  | P | 08/15/2025       | 15:24            | LB136861      |
|           | Manganese | 0.43           | +/-0.5              | U            | 1.00 | P | 08/15/2025       | 15:24            | LB136861      |
|           | Nickel    | 0.27           | +/-0.5              | U            | 1.00 | P | 08/15/2025       | 15:24            | LB136861      |
|           | Potassium | 36.4           | +/-250              | U            | 500  | P | 08/15/2025       | 15:24            | LB136861      |
|           | Selenium  | 2.90           | +/-2.5              | U            | 5.00 | P | 08/15/2025       | 15:24            | LB136861      |
|           | Silver    | 0.060          | +/-0.5              | J            | 1.00 | P | 08/15/2025       | 15:24            | LB136861      |
|           | Sodium    | 128            | +/-250              | U            | 500  | P | 08/15/2025       | 15:24            | LB136861      |
|           | Thallium  | 0.090          | +/-0.5              | J            | 1.00 | P | 08/15/2025       | 15:24            | LB136861      |
| CCB04     | Vanadium  | 0.077          | +/-2.5              | U            | 5.00 | P | 08/15/2025       | 15:24            | LB136861      |
|           | Zinc      | 1.25           | +/-2.5              | U            | 5.00 | P | 08/15/2025       | 15:24            | LB136861      |
|           | Aluminum  | 1.94           | +/-10               | U            | 20.0 | P | 08/15/2025       | 16:10            | LB136861      |
|           | Antimony  | 0.13           | +/-1                | J            | 2.00 | P | 08/15/2025       | 16:10            | LB136861      |
|           | Arsenic   | 0.20           | +/-0.5              | J            | 1.00 | P | 08/15/2025       | 16:10            | LB136861      |
|           | Barium    | 0.21           | +/-5                | U            | 10.0 | P | 08/15/2025       | 16:10            | LB136861      |
|           | Beryllium | 0.32           | +/-0.5              | U            | 1.00 | P | 08/15/2025       | 16:10            | LB136861      |
|           | Cadmium   | 0.34           | +/-0.5              | U            | 1.00 | P | 08/15/2025       | 16:10            | LB136861      |
|           | Calcium   | 45.7           | +/-250              | U            | 500  | P | 08/15/2025       | 16:10            | LB136861      |
|           | Chromium  | 0.21           | +/-1                | U            | 2.00 | P | 08/15/2025       | 16:10            | LB136861      |
|           | Cobalt    | 0.070          | +/-0.5              | U            | 1.00 | P | 08/15/2025       | 16:10            | LB136861      |
|           | Copper    | 0.30           | +/-1                | U            | 2.00 | P | 08/15/2025       | 16:10            | LB136861      |
|           | Iron      | 7.81           | +/-25               | U            | 50.0 | P | 08/15/2025       | 16:10            | LB136861      |
|           | Lead      | 0.21           | +/-0.5              | U            | 1.00 | P | 08/15/2025       | 16:10            | LB136861      |

# Metals

- 3a -

## INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: JACOBS Engineering Group, Inc.

SDG No.: Q2869

Contract: JACO05

Lab Code: ACE

| Sample ID | Analyte   | Result<br>ug/L | Acceptance<br>Limit | Conc<br>Qual | CRQL | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|-----------|----------------|---------------------|--------------|------|---|------------------|------------------|---------------|
| CCB04     | Magnesium | 19.5           | +/-250              | U            | 500  | P | 08/15/2025       | 16:10            | LB136861      |
|           | Manganese | 0.43           | +/-0.5              | U            | 1.00 | P | 08/15/2025       | 16:10            | LB136861      |
|           | Nickel    | 0.27           | +/-0.5              | U            | 1.00 | P | 08/15/2025       | 16:10            | LB136861      |
|           | Potassium | 36.4           | +/-250              | U            | 500  | P | 08/15/2025       | 16:10            | LB136861      |
|           | Selenium  | 2.90           | +/-2.5              | U            | 5.00 | P | 08/15/2025       | 16:10            | LB136861      |
|           | Silver    | 0.060          | +/-0.5              | J            | 1.00 | P | 08/15/2025       | 16:10            | LB136861      |
|           | Sodium    | 128            | +/-250              | U            | 500  | P | 08/15/2025       | 16:10            | LB136861      |
|           | Thallium  | 0.060          | +/-0.5              | U            | 1.00 | P | 08/15/2025       | 16:10            | LB136861      |
|           | Vanadium  | 0.077          | +/-2.5              | U            | 5.00 | P | 08/15/2025       | 16:10            | LB136861      |
|           | Zinc      | 1.25           | +/-2.5              | U            | 5.00 | P | 08/15/2025       | 16:10            | LB136861      |
| CCB05     | Aluminum  | 1.94           | +/-10               | U            | 20.0 | P | 08/15/2025       | 16:50            | LB136861      |
|           | Antimony  | 0.11           | +/-1                | U            | 2.00 | P | 08/15/2025       | 16:50            | LB136861      |
|           | Arsenic   | 0.089          | +/-0.5              | U            | 1.00 | P | 08/15/2025       | 16:50            | LB136861      |
|           | Barium    | 0.21           | +/-5                | U            | 10.0 | P | 08/15/2025       | 16:50            | LB136861      |
|           | Beryllium | 0.32           | +/-0.5              | U            | 1.00 | P | 08/15/2025       | 16:50            | LB136861      |
|           | Cadmium   | 0.34           | +/-0.5              | U            | 1.00 | P | 08/15/2025       | 16:50            | LB136861      |
|           | Calcium   | 45.7           | +/-250              | U            | 500  | P | 08/15/2025       | 16:50            | LB136861      |
|           | Chromium  | 0.21           | +/-1                | U            | 2.00 | P | 08/15/2025       | 16:50            | LB136861      |
|           | Cobalt    | 0.070          | +/-0.5              | U            | 1.00 | P | 08/15/2025       | 16:50            | LB136861      |
|           | Copper    | 0.30           | +/-1                | U            | 2.00 | P | 08/15/2025       | 16:50            | LB136861      |
|           | Iron      | 7.81           | +/-25               | U            | 50.0 | P | 08/15/2025       | 16:50            | LB136861      |
|           | Lead      | 0.21           | +/-0.5              | U            | 1.00 | P | 08/15/2025       | 16:50            | LB136861      |
|           | Magnesium | 19.5           | +/-250              | U            | 500  | P | 08/15/2025       | 16:50            | LB136861      |
|           | Manganese | 0.43           | +/-0.5              | U            | 1.00 | P | 08/15/2025       | 16:50            | LB136861      |
|           | Nickel    | 0.27           | +/-0.5              | U            | 1.00 | P | 08/15/2025       | 16:50            | LB136861      |
|           | Potassium | 36.4           | +/-250              | U            | 500  | P | 08/15/2025       | 16:50            | LB136861      |
|           | Selenium  | 2.90           | +/-2.5              | U            | 5.00 | P | 08/15/2025       | 16:50            | LB136861      |
|           | Silver    | 0.060          | +/-0.5              | U            | 1.00 | P | 08/15/2025       | 16:50            | LB136861      |
|           | Sodium    | 128            | +/-250              | U            | 500  | P | 08/15/2025       | 16:50            | LB136861      |
|           | Thallium  | 0.060          | +/-0.5              | U            | 1.00 | P | 08/15/2025       | 16:50            | LB136861      |
|           | Vanadium  | 0.077          | +/-2.5              | U            | 5.00 | P | 08/15/2025       | 16:50            | LB136861      |
|           | Zinc      | 1.25           | +/-2.5              | U            | 5.00 | P | 08/15/2025       | 16:50            | LB136861      |

**Metals**

- 3a -

**INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY**

**Client:** JACOBS Engineering Group, Inc.

**SDG No.:** Q2869

**Contract:** JACO05

**Lab Code:** ACE

| Sample ID | Analyte   | Result<br>ug/L | Acceptance<br>Limit | Conc<br>Qual | CRQL | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|-----------|----------------|---------------------|--------------|------|---|------------------|------------------|---------------|
| ICB01     | Aluminum  | 1.94           | +/-10               | U            | 20.0 | P | 08/21/2025       | 12:29            | LB136916      |
|           | Antimony  | 0.11           | +/-1                | U            | 2.00 | P | 08/21/2025       | 12:29            | LB136916      |
|           | Arsenic   | 0.089          | +/-0.5              | U            | 1.00 | P | 08/21/2025       | 12:29            | LB136916      |
|           | Barium    | 0.21           | +/-5                | U            | 10.0 | P | 08/21/2025       | 12:29            | LB136916      |
|           | Beryllium | 0.32           | +/-0.5              | U            | 1.00 | P | 08/21/2025       | 12:29            | LB136916      |
|           | Cadmium   | 0.34           | +/-0.5              | U            | 1.00 | P | 08/21/2025       | 12:29            | LB136916      |
|           | Calcium   | 45.7           | +/-250              | U            | 500  | P | 08/21/2025       | 12:29            | LB136916      |
|           | Chromium  | 0.21           | +/-1                | U            | 2.00 | P | 08/21/2025       | 12:29            | LB136916      |
|           | Cobalt    | 0.070          | +/-0.5              | U            | 1.00 | P | 08/21/2025       | 12:29            | LB136916      |
|           | Copper    | 0.30           | +/-1                | U            | 2.00 | P | 08/21/2025       | 12:29            | LB136916      |
|           | Iron      | 7.81           | +/-25               | U            | 50.0 | P | 08/21/2025       | 12:29            | LB136916      |
|           | Lead      | 0.21           | +/-0.5              | U            | 1.00 | P | 08/21/2025       | 12:29            | LB136916      |
|           | Magnesium | 19.5           | +/-250              | U            | 500  | P | 08/21/2025       | 12:29            | LB136916      |
|           | Manganese | 0.43           | +/-0.5              | U            | 1.00 | P | 08/21/2025       | 12:29            | LB136916      |
|           | Nickel    | 0.27           | +/-0.5              | U            | 1.00 | P | 08/21/2025       | 12:29            | LB136916      |
|           | Potassium | 36.4           | +/-250              | U            | 500  | P | 08/21/2025       | 12:29            | LB136916      |
|           | Selenium  | 2.90           | +/-2.5              | U            | 5.00 | P | 08/21/2025       | 12:29            | LB136916      |
|           | Silver    | 0.060          | +/-0.5              | U            | 1.00 | P | 08/21/2025       | 12:29            | LB136916      |
|           | Sodium    | 128            | +/-250              | U            | 500  | P | 08/21/2025       | 12:29            | LB136916      |
|           | Thallium  | 0.060          | +/-0.5              | U            | 1.00 | P | 08/21/2025       | 12:29            | LB136916      |
|           | Vanadium  | 0.077          | +/-2.5              | U            | 5.00 | P | 08/21/2025       | 12:29            | LB136916      |
|           | Zinc      | 1.25           | +/-2.5              | U            | 5.00 | P | 08/21/2025       | 12:29            | LB136916      |

# Metals

- 3a -

## INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: JACOBS Engineering Group, Inc.

SDG No.: Q2869

Contract: JACO05

Lab Code: ACE

| Sample ID | Analyte   | Result<br>ug/L | Acceptance<br>Limit | Conc<br>Qual | CRQL | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|-----------|----------------|---------------------|--------------|------|---|------------------|------------------|---------------|
| CCB01     | Aluminum  | 1.94           | +/-10               | U            | 20.0 | P | 08/21/2025       | 12:44            | LB136916      |
|           | Antimony  | 0.11           | +/-1                | U            | 2.00 | P | 08/21/2025       | 12:44            | LB136916      |
|           | Arsenic   | 0.089          | +/-0.5              | U            | 1.00 | P | 08/21/2025       | 12:44            | LB136916      |
|           | Barium    | 0.21           | +/-5                | U            | 10.0 | P | 08/21/2025       | 12:44            | LB136916      |
|           | Beryllium | 0.32           | +/-0.5              | U            | 1.00 | P | 08/21/2025       | 12:44            | LB136916      |
|           | Cadmium   | 0.34           | +/-0.5              | U            | 1.00 | P | 08/21/2025       | 12:44            | LB136916      |
|           | Calcium   | 45.7           | +/-250              | U            | 500  | P | 08/21/2025       | 12:44            | LB136916      |
|           | Chromium  | 0.21           | +/-1                | U            | 2.00 | P | 08/21/2025       | 12:44            | LB136916      |
|           | Cobalt    | 0.070          | +/-0.5              | U            | 1.00 | P | 08/21/2025       | 12:44            | LB136916      |
|           | Copper    | 0.30           | +/-1                | U            | 2.00 | P | 08/21/2025       | 12:44            | LB136916      |
|           | Iron      | 7.81           | +/-25               | U            | 50.0 | P | 08/21/2025       | 12:44            | LB136916      |
|           | Lead      | 0.21           | +/-0.5              | U            | 1.00 | P | 08/21/2025       | 12:44            | LB136916      |
|           | Magnesium | 19.5           | +/-250              | U            | 500  | P | 08/21/2025       | 12:44            | LB136916      |
|           | Manganese | 0.43           | +/-0.5              | U            | 1.00 | P | 08/21/2025       | 12:44            | LB136916      |
|           | Nickel    | 0.27           | +/-0.5              | U            | 1.00 | P | 08/21/2025       | 12:44            | LB136916      |
|           | Potassium | 36.4           | +/-250              | U            | 500  | P | 08/21/2025       | 12:44            | LB136916      |
|           | Selenium  | 2.90           | +/-2.5              | U            | 5.00 | P | 08/21/2025       | 12:44            | LB136916      |
|           | Silver    | 0.060          | +/-0.5              | U            | 1.00 | P | 08/21/2025       | 12:44            | LB136916      |
|           | Sodium    | 128            | +/-250              | U            | 500  | P | 08/21/2025       | 12:44            | LB136916      |
|           | Thallium  | 0.060          | +/-0.5              | U            | 1.00 | P | 08/21/2025       | 12:44            | LB136916      |
|           | Vanadium  | 0.077          | +/-2.5              | U            | 5.00 | P | 08/21/2025       | 12:44            | LB136916      |
|           | Zinc      | 1.25           | +/-2.5              | U            | 5.00 | P | 08/21/2025       | 12:44            | LB136916      |
| CCB02     | Aluminum  | 1.94           | +/-10               | U            | 20.0 | P | 08/21/2025       | 13:43            | LB136916      |
|           | Antimony  | 0.15           | +/-1                | J            | 2.00 | P | 08/21/2025       | 13:43            | LB136916      |
|           | Arsenic   | 0.089          | +/-0.5              | U            | 1.00 | P | 08/21/2025       | 13:43            | LB136916      |
|           | Barium    | 0.21           | +/-5                | U            | 10.0 | P | 08/21/2025       | 13:43            | LB136916      |
|           | Beryllium | 0.32           | +/-0.5              | U            | 1.00 | P | 08/21/2025       | 13:43            | LB136916      |
|           | Cadmium   | 0.34           | +/-0.5              | U            | 1.00 | P | 08/21/2025       | 13:43            | LB136916      |
|           | Calcium   | 45.7           | +/-250              | U            | 500  | P | 08/21/2025       | 13:43            | LB136916      |
|           | Chromium  | 0.21           | +/-1                | U            | 2.00 | P | 08/21/2025       | 13:43            | LB136916      |
|           | Cobalt    | 0.070          | +/-0.5              | U            | 1.00 | P | 08/21/2025       | 13:43            | LB136916      |
|           | Copper    | 0.30           | +/-1                | U            | 2.00 | P | 08/21/2025       | 13:43            | LB136916      |
|           | Iron      | 7.81           | +/-25               | U            | 50.0 | P | 08/21/2025       | 13:43            | LB136916      |
|           | Lead      | 0.21           | +/-0.5              | U            | 1.00 | P | 08/21/2025       | 13:43            | LB136916      |
|           | Magnesium | 19.5           | +/-250              | U            | 500  | P | 08/21/2025       | 13:43            | LB136916      |
|           | Manganese | 0.43           | +/-0.5              | U            | 1.00 | P | 08/21/2025       | 13:43            | LB136916      |
|           | Nickel    | 0.27           | +/-0.5              | U            | 1.00 | P | 08/21/2025       | 13:43            | LB136916      |
|           | Potassium | 36.4           | +/-250              | U            | 500  | P | 08/21/2025       | 13:43            | LB136916      |
|           | Selenium  | 2.90           | +/-2.5              | U            | 5.00 | P | 08/21/2025       | 13:43            | LB136916      |

# Metals

- 3a -

## INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: JACOBS Engineering Group, Inc.

SDG No.: Q2869

Contract: JACO05

Lab Code: ACE

| Sample ID | Analyte   | Result<br>ug/L | Acceptance<br>Limit | Conc<br>Qual | CRQL | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|-----------|----------------|---------------------|--------------|------|---|------------------|------------------|---------------|
| CCB02     | Silver    | 0.060          | +/-0.5              | U            | 1.00 | P | 08/21/2025       | 13:43            | LB136916      |
|           | Sodium    | 128            | +/-250              | U            | 500  | P | 08/21/2025       | 13:43            | LB136916      |
|           | Thallium  | 0.060          | +/-0.5              | U            | 1.00 | P | 08/21/2025       | 13:43            | LB136916      |
|           | Vanadium  | 0.077          | +/-2.5              | U            | 5.00 | P | 08/21/2025       | 13:43            | LB136916      |
|           | Zinc      | 1.25           | +/-2.5              | U            | 5.00 | P | 08/21/2025       | 13:43            | LB136916      |
| CCB03     | Aluminum  | 1.94           | +/-10               | U            | 20.0 | P | 08/21/2025       | 14:34            | LB136916      |
|           | Antimony  | 0.15           | +/-1                | J            | 2.00 | P | 08/21/2025       | 14:34            | LB136916      |
|           | Arsenic   | 0.089          | +/-0.5              | U            | 1.00 | P | 08/21/2025       | 14:34            | LB136916      |
|           | Barium    | 0.21           | +/-5                | U            | 10.0 | P | 08/21/2025       | 14:34            | LB136916      |
|           | Beryllium | 0.32           | +/-0.5              | U            | 1.00 | P | 08/21/2025       | 14:34            | LB136916      |
|           | Cadmium   | 0.34           | +/-0.5              | U            | 1.00 | P | 08/21/2025       | 14:34            | LB136916      |
|           | Calcium   | 45.7           | +/-250              | U            | 500  | P | 08/21/2025       | 14:34            | LB136916      |
|           | Chromium  | 0.21           | +/-1                | U            | 2.00 | P | 08/21/2025       | 14:34            | LB136916      |
|           | Cobalt    | 0.070          | +/-0.5              | U            | 1.00 | P | 08/21/2025       | 14:34            | LB136916      |
|           | Copper    | 0.30           | +/-1                | U            | 2.00 | P | 08/21/2025       | 14:34            | LB136916      |
|           | Iron      | 7.81           | +/-25               | U            | 50.0 | P | 08/21/2025       | 14:34            | LB136916      |
|           | Lead      | 0.21           | +/-0.5              | U            | 1.00 | P | 08/21/2025       | 14:34            | LB136916      |
|           | Magnesium | 19.5           | +/-250              | U            | 500  | P | 08/21/2025       | 14:34            | LB136916      |
|           | Manganese | 0.43           | +/-0.5              | U            | 1.00 | P | 08/21/2025       | 14:34            | LB136916      |
|           | Nickel    | 0.27           | +/-0.5              | U            | 1.00 | P | 08/21/2025       | 14:34            | LB136916      |
|           | Potassium | 36.4           | +/-250              | U            | 500  | P | 08/21/2025       | 14:34            | LB136916      |
|           | Selenium  | 2.90           | +/-2.5              | U            | 5.00 | P | 08/21/2025       | 14:34            | LB136916      |
|           | Silver    | 0.060          | +/-0.5              | U            | 1.00 | P | 08/21/2025       | 14:34            | LB136916      |
|           | Sodium    | 128            | +/-250              | U            | 500  | P | 08/21/2025       | 14:34            | LB136916      |
|           | Thallium  | 0.060          | +/-0.5              | U            | 1.00 | P | 08/21/2025       | 14:34            | LB136916      |
| CCB04     | Vanadium  | 0.077          | +/-2.5              | U            | 5.00 | P | 08/21/2025       | 14:34            | LB136916      |
|           | Zinc      | 1.25           | +/-2.5              | U            | 5.00 | P | 08/21/2025       | 14:34            | LB136916      |
|           | Aluminum  | 1.94           | +/-10               | U            | 20.0 | P | 08/21/2025       | 15:18            | LB136916      |
|           | Antimony  | 0.11           | +/-1                | U            | 2.00 | P | 08/21/2025       | 15:18            | LB136916      |
|           | Arsenic   | 0.089          | +/-0.5              | U            | 1.00 | P | 08/21/2025       | 15:18            | LB136916      |
|           | Barium    | 0.21           | +/-5                | U            | 10.0 | P | 08/21/2025       | 15:18            | LB136916      |
|           | Beryllium | 0.32           | +/-0.5              | U            | 1.00 | P | 08/21/2025       | 15:18            | LB136916      |
|           | Cadmium   | 0.34           | +/-0.5              | U            | 1.00 | P | 08/21/2025       | 15:18            | LB136916      |
|           | Calcium   | 45.7           | +/-250              | U            | 500  | P | 08/21/2025       | 15:18            | LB136916      |
|           | Chromium  | 0.21           | +/-1                | U            | 2.00 | P | 08/21/2025       | 15:18            | LB136916      |
|           | Cobalt    | 0.070          | +/-0.5              | U            | 1.00 | P | 08/21/2025       | 15:18            | LB136916      |
|           | Copper    | 0.30           | +/-1                | U            | 2.00 | P | 08/21/2025       | 15:18            | LB136916      |
|           | Iron      | 7.81           | +/-25               | U            | 50.0 | P | 08/21/2025       | 15:18            | LB136916      |
|           | Lead      | 0.21           | +/-0.5              | U            | 1.00 | P | 08/21/2025       | 15:18            | LB136916      |

**Metals**

- 3a -

**INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY**

**Client:** JACOBS Engineering Group, Inc.

**SDG No.:** Q2869

**Contract:** JACO05

**Lab Code:** ACE

| Sample ID | Analyte   | Result<br>ug/L | Acceptance<br>Limit | Conc<br>Qual | CRQL | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|-----------|----------------|---------------------|--------------|------|---|------------------|------------------|---------------|
| CCB04     | Magnesium | 19.5           | +/-250              | U            | 500  | P | 08/21/2025       | 15:18            | LB136916      |
|           | Manganese | 0.43           | +/-0.5              | U            | 1.00 | P | 08/21/2025       | 15:18            | LB136916      |
|           | Nickel    | 0.27           | +/-0.5              | U            | 1.00 | P | 08/21/2025       | 15:18            | LB136916      |
|           | Potassium | 36.4           | +/-250              | U            | 500  | P | 08/21/2025       | 15:18            | LB136916      |
|           | Selenium  | 2.90           | +/-2.5              | U            | 5.00 | P | 08/21/2025       | 15:18            | LB136916      |
|           | Silver    | 0.060          | +/-0.5              | U            | 1.00 | P | 08/21/2025       | 15:18            | LB136916      |
|           | Sodium    | 128            | +/-250              | U            | 500  | P | 08/21/2025       | 15:18            | LB136916      |
|           | Thallium  | 0.060          | +/-0.5              | U            | 1.00 | P | 08/21/2025       | 15:18            | LB136916      |
|           | Vanadium  | 0.077          | +/-2.5              | U            | 5.00 | P | 08/21/2025       | 15:18            | LB136916      |
|           | Zinc      | 1.25           | +/-2.5              | U            | 5.00 | P | 08/21/2025       | 15:18            | LB136916      |

**Metals**  
**- 3b -**  
**PREPARATION BLANK SUMMARY**

**Client:** JACOBS Engineering Group, Inc.

**SDG No.:** Q2869

**Instrument:** CV1

| Sample ID         | Analyte | Result<br>(ug/L) | Acceptance<br>Limit | Conc<br>Qual         | CRQL<br>ug/L    | M  | Analysis<br>Date  | Analysis<br>Time  | Run      |
|-------------------|---------|------------------|---------------------|----------------------|-----------------|----|-------------------|-------------------|----------|
| <b>PB169327BL</b> |         | <b>WATER</b>     |                     | <b>Batch Number:</b> | <b>PB169327</b> |    | <b>Prep Date:</b> | <b>08/20/2025</b> |          |
|                   | Mercury | 0.076            | <0.2                | U                    | 0.20            | CV | 08/21/2025        | 09:14             | LB136901 |



**Metals**  
**- 3b -**  
**PREPARATION BLANK SUMMARY**

**Client:** JACOBS Engineering Group, Inc.

**SDG No.:** Q2869

**Instrument:** P7

| Sample ID         | Analyte      | Result<br>(ug/L) | Acceptance<br>Limit | Conc<br>Qual         | CRQL<br>ug/L    | M | Analysis<br>Date  | Analysis<br>Time  | Run      |
|-------------------|--------------|------------------|---------------------|----------------------|-----------------|---|-------------------|-------------------|----------|
| <b>PB169250BL</b> | <b>WATER</b> |                  |                     | <b>Batch Number:</b> | <b>PB169250</b> |   | <b>Prep Date:</b> | <b>08/14/2025</b> |          |
|                   | Aluminum     | 1.94             | <10                 | U                    | 20.0            | P | 08/21/2025        | 13:46             | LB136916 |
|                   | Antimony     | 0.11             | <1                  | U                    | 2.00            | P | 08/21/2025        | 13:46             | LB136916 |
|                   | Arsenic      | 0.089            | <0.5                | U                    | 1.00            | P | 08/21/2025        | 13:46             | LB136916 |
|                   | Barium       | 0.21             | <5                  | U                    | 10.0            | P | 08/21/2025        | 13:46             | LB136916 |
|                   | Beryllium    | 0.32             | <0.5                | U                    | 1.00            | P | 08/21/2025        | 13:46             | LB136916 |
|                   | Cadmium      | 0.34             | <0.5                | U                    | 1.00            | P | 08/21/2025        | 13:46             | LB136916 |
|                   | Calcium      | 45.7             | <250                | U                    | 500             | P | 08/21/2025        | 13:46             | LB136916 |
|                   | Chromium     | 0.21             | <1                  | U                    | 2.00            | P | 08/21/2025        | 13:46             | LB136916 |
|                   | Cobalt       | 0.070            | <0.5                | U                    | 1.00            | P | 08/21/2025        | 13:46             | LB136916 |
|                   | Copper       | 0.30             | <1                  | U                    | 2.00            | P | 08/21/2025        | 13:46             | LB136916 |
|                   | Iron         | 7.81             | <25                 | U                    | 50.0            | P | 08/21/2025        | 13:46             | LB136916 |
|                   | Lead         | 0.21             | <0.5                | U                    | 1.00            | P | 08/21/2025        | 13:46             | LB136916 |
|                   | Magnesium    | 19.5             | <250                | U                    | 500             | P | 08/21/2025        | 13:46             | LB136916 |
|                   | Manganese    | 0.43             | <0.5                | U                    | 1.00            | P | 08/21/2025        | 13:46             | LB136916 |
|                   | Nickel       | 0.27             | <0.5                | U                    | 1.00            | P | 08/21/2025        | 13:46             | LB136916 |
|                   | Potassium    | 36.4             | <250                | U                    | 500             | P | 08/21/2025        | 13:46             | LB136916 |
|                   | Selenium     | 2.90             | <2.5                | U                    | 5.00            | P | 08/21/2025        | 13:46             | LB136916 |
|                   | Silver       | 0.060            | <0.5                | U                    | 1.00            | P | 08/21/2025        | 13:46             | LB136916 |
|                   | Sodium       | 128              | <250                | U                    | 500             | P | 08/21/2025        | 13:46             | LB136916 |
|                   | Thallium     | 0.060            | <0.5                | U                    | 1.00            | P | 08/21/2025        | 13:46             | LB136916 |
|                   | Vanadium     | 0.077            | <2.5                | U                    | 5.00            | P | 08/21/2025        | 13:46             | LB136916 |
|                   | Zinc         | 1.25             | <2.5                | U                    | 5.00            | P | 08/21/2025        | 13:46             | LB136916 |



# METAL CALIBRATION DATA

**Metals**

- 2a -

**INITIAL AND CONTINUING CALIBRATION VERIFICATION**

**Client:** JACOBS Engineering Group, Inc.  
**Contract:** JACO05  
**Initial Calibration Source:** EPA  
**Continuing Calibration Source:** PLASMA-PURE

**SDG No.:** Q2869  
**Lab Code:** ACE

| Sample ID | Analyte | Result<br>ug/L | True Value | %<br>Recovery | Acceptance<br>Window (%R) | M  | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|---------|----------------|------------|---------------|---------------------------|----|------------------|------------------|---------------|
| ICV27     | Mercury | 3.72           | 4.0        | 93            | 90 - 110                  | CV | 08/21/2025       | 08:59            | LB136901      |

**Metals**

- 2a -

**INITIAL AND CONTINUING CALIBRATION VERIFICATION**

**Client:** JACOBS Engineering Group, Inc.

**SDG No.:** Q2869

**Contract:** JACO05

**Lab Code:** ACE

**Initial Calibration Source:** EPA

**Continuing Calibration Source:** PLASMA-PURE

| Sample ID | Analyte | Result<br>ug/L | True Value | %<br>Recovery | Acceptance<br>Window (%R) | M  | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|---------|----------------|------------|---------------|---------------------------|----|------------------|------------------|---------------|
| CCV84     | Mercury | 4.93           | 5.0        | 99            | 90 - 110                  | CV | 08/21/2025       | 09:03            | LB136901      |
| CCV85     | Mercury | 4.84           | 5.0        | 97            | 90 - 110                  | CV | 08/21/2025       | 09:36            | LB136901      |
| CCV86     | Mercury | 5.00           | 5.0        | 100           | 90 - 110                  | CV | 08/21/2025       | 10:12            | LB136901      |

## Metals

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### INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JACOBS Engineering Group, Inc.

SDG No.: Q2869

Contract: JACO05

Lab Code: ACE

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

| Sample ID | Analyte   | Result<br>ug/L | True Value | %<br>Recovery | Acceptance<br>Window (%R) | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|-----------|----------------|------------|---------------|---------------------------|---|------------------|------------------|---------------|
| ICV01     | Aluminum  | 1500           | 1600       | 94            | 90 - 110                  | P | 08/15/2025       | 13:22            | LB136861      |
|           | Antimony  | 401            | 400        | 100           | 90 - 110                  | P | 08/15/2025       | 13:22            | LB136861      |
|           | Arsenic   | 386            | 400        | 97            | 90 - 110                  | P | 08/15/2025       | 13:22            | LB136861      |
|           | Barium    | 1610           | 1600       | 100           | 90 - 110                  | P | 08/15/2025       | 13:22            | LB136861      |
|           | Beryllium | 39.0           | 40.0       | 98            | 90 - 110                  | P | 08/15/2025       | 13:22            | LB136861      |
|           | Cadmium   | 203            | 200        | 101           | 90 - 110                  | P | 08/15/2025       | 13:22            | LB136861      |
|           | Calcium   | 4130           | 4000       | 103           | 90 - 110                  | P | 08/15/2025       | 13:22            | LB136861      |
|           | Chromium  | 157            | 160        | 98            | 90 - 110                  | P | 08/15/2025       | 13:22            | LB136861      |
|           | Cobalt    | 394            | 400        | 98            | 90 - 110                  | P | 08/15/2025       | 13:22            | LB136861      |
|           | Copper    | 183            | 200        | 91            | 90 - 110                  | P | 08/15/2025       | 13:22            | LB136861      |
|           | Iron      | 853            | 800        | 107           | 90 - 110                  | P | 08/15/2025       | 13:22            | LB136861      |
|           | Lead      | 369            | 400        | 92            | 90 - 110                  | P | 08/15/2025       | 13:22            | LB136861      |
|           | Magnesium | 3620           | 4000       | 90            | 90 - 110                  | P | 08/15/2025       | 13:22            | LB136861      |
|           | Manganese | 364            | 400        | 91            | 90 - 110                  | P | 08/15/2025       | 13:22            | LB136861      |
|           | Nickel    | 398            | 400        | 100           | 90 - 110                  | P | 08/15/2025       | 13:22            | LB136861      |
|           | Potassium | 3990           | 4000       | 100           | 90 - 110                  | P | 08/15/2025       | 13:22            | LB136861      |
|           | Selenium  | 398            | 400        | 99            | 90 - 110                  | P | 08/15/2025       | 13:22            | LB136861      |
|           | Silver    | 203            | 200        | 102           | 90 - 110                  | P | 08/15/2025       | 13:22            | LB136861      |
|           | Sodium    | 4040           | 4000       | 101           | 90 - 110                  | P | 08/15/2025       | 13:22            | LB136861      |
|           | Thallium  | 371            | 400        | 93            | 90 - 110                  | P | 08/15/2025       | 13:22            | LB136861      |
|           | Vanadium  | 387            | 400        | 97            | 90 - 110                  | P | 08/15/2025       | 13:22            | LB136861      |
|           | Zinc      | 366            | 400        | 91            | 90 - 110                  | P | 08/15/2025       | 13:22            | LB136861      |

## Metals

- 2a -

### INITIAL AND CONTINUING CALIBRATION VERIFICATION

**Client:** JACOBS Engineering Group, Inc.  
**Contract:** JACO05  
**Initial Calibration Source:** EPA  
**Continuing Calibration Source:** PLASMA-PURE

**SDG No.:** Q2869  
**Lab Code:** ACE

| Sample ID | Analyte   | Result<br>ug/L | True Value | %<br>Recovery | Acceptance<br>Window (%R) | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|-----------|----------------|------------|---------------|---------------------------|---|------------------|------------------|---------------|
| LLICV01   | Aluminum  | 19.4           | 20.0       | 97            | 80 - 120                  | P | 08/15/2025       | 13:40            | LB136861      |
|           | Antimony  | 2.12           | 2.0        | 106           | 80 - 120                  | P | 08/15/2025       | 13:40            | LB136861      |
|           | Arsenic   | 1.01           | 1.0        | 101           | 80 - 120                  | P | 08/15/2025       | 13:40            | LB136861      |
|           | Barium    | 10.0           | 10.0       | 100           | 80 - 120                  | P | 08/15/2025       | 13:40            | LB136861      |
|           | Beryllium | 1.09           | 1.0        | 109           | 80 - 120                  | P | 08/15/2025       | 13:40            | LB136861      |
|           | Cadmium   | 0.96           | 1.0        | 96            | 80 - 120                  | P | 08/15/2025       | 13:40            | LB136861      |
|           | Calcium   | 554            | 500        | 111           | 80 - 120                  | P | 08/15/2025       | 13:40            | LB136861      |
|           | Chromium  | 1.98           | 2.0        | 99            | 80 - 120                  | P | 08/15/2025       | 13:40            | LB136861      |
|           | Cobalt    | 1.05           | 1.0        | 105           | 80 - 120                  | P | 08/15/2025       | 13:40            | LB136861      |
|           | Copper    | 1.95           | 2.0        | 98            | 80 - 120                  | P | 08/15/2025       | 13:40            | LB136861      |
|           | Iron      | 56.3           | 50.0       | 113           | 80 - 120                  | P | 08/15/2025       | 13:40            | LB136861      |
|           | Lead      | 0.84           | 1.0        | 84            | 80 - 120                  | P | 08/15/2025       | 13:40            | LB136861      |
|           | Magnesium | 499            | 500        | 100           | 80 - 120                  | P | 08/15/2025       | 13:40            | LB136861      |
|           | Manganese | 1.04           | 1.0        | 104           | 80 - 120                  | P | 08/15/2025       | 13:40            | LB136861      |
|           | Nickel    | 0.99           | 1.0        | 99            | 80 - 120                  | P | 08/15/2025       | 13:40            | LB136861      |
|           | Potassium | 550            | 500        | 110           | 80 - 120                  | P | 08/15/2025       | 13:40            | LB136861      |
|           | Selenium  | 4.94           | 5.0        | 99            | 80 - 120                  | P | 08/15/2025       | 13:40            | LB136861      |
|           | Silver    | 1.13           | 1.0        | 113           | 80 - 120                  | P | 08/15/2025       | 13:40            | LB136861      |
|           | Sodium    | 521            | 500        | 104           | 80 - 120                  | P | 08/15/2025       | 13:40            | LB136861      |
|           | Thallium  | 1.02           | 1.0        | 102           | 80 - 120                  | P | 08/15/2025       | 13:40            | LB136861      |
|           | Vanadium  | 5.03           | 5.0        | 101           | 80 - 120                  | P | 08/15/2025       | 13:40            | LB136861      |
|           | Zinc      | 4.27           | 5.0        | 85            | 80 - 120                  | P | 08/15/2025       | 13:40            | LB136861      |

# Metals

- 2a -

## INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JACOBS Engineering Group, Inc.

SDG No.: Q2869

Contract: JACO05

Lab Code: ACE

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

| Sample ID | Analyte   | Result<br>ug/L | True Value | %<br>Recovery | Acceptance<br>Window (%R) | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|-----------|----------------|------------|---------------|---------------------------|---|------------------|------------------|---------------|
| CCV01     | Aluminum  | 47100          | 50000      | 94            | 90 - 110                  | P | 08/15/2025       | 13:53            | LB136861      |
|           | Antimony  | 490            | 500        | 98            | 90 - 110                  | P | 08/15/2025       | 13:53            | LB136861      |
|           | Arsenic   | 474            | 500        | 95            | 90 - 110                  | P | 08/15/2025       | 13:53            | LB136861      |
|           | Barium    | 2460           | 2500       | 98            | 90 - 110                  | P | 08/15/2025       | 13:53            | LB136861      |
|           | Beryllium | 511            | 500        | 102           | 90 - 110                  | P | 08/15/2025       | 13:53            | LB136861      |
|           | Cadmium   | 479            | 500        | 96            | 90 - 110                  | P | 08/15/2025       | 13:53            | LB136861      |
|           | Calcium   | 250000         | 250000     | 100           | 90 - 110                  | P | 08/15/2025       | 13:53            | LB136861      |
|           | Chromium  | 489            | 500        | 98            | 90 - 110                  | P | 08/15/2025       | 13:53            | LB136861      |
|           | Cobalt    | 482            | 500        | 96            | 90 - 110                  | P | 08/15/2025       | 13:53            | LB136861      |
|           | Copper    | 4770           | 5000       | 95            | 90 - 110                  | P | 08/15/2025       | 13:53            | LB136861      |
|           | Iron      | 127000         | 125000     | 102           | 90 - 110                  | P | 08/15/2025       | 13:53            | LB136861      |
|           | Lead      | 2460           | 2500       | 98            | 90 - 110                  | P | 08/15/2025       | 13:53            | LB136861      |
|           | Magnesium | 239000         | 250000     | 96            | 90 - 110                  | P | 08/15/2025       | 13:53            | LB136861      |
|           | Manganese | 4890           | 5000       | 98            | 90 - 110                  | P | 08/15/2025       | 13:53            | LB136861      |
|           | Nickel    | 479            | 500        | 96            | 90 - 110                  | P | 08/15/2025       | 13:53            | LB136861      |
|           | Potassium | 124000         | 125000     | 99            | 90 - 110                  | P | 08/15/2025       | 13:53            | LB136861      |
|           | Selenium  | 466            | 500        | 93            | 90 - 110                  | P | 08/15/2025       | 13:53            | LB136861      |
|           | Silver    | 485            | 500        | 97            | 90 - 110                  | P | 08/15/2025       | 13:53            | LB136861      |
|           | Sodium    | 244000         | 250000     | 98            | 90 - 110                  | P | 08/15/2025       | 13:53            | LB136861      |
|           | Thallium  | 503            | 500        | 101           | 90 - 110                  | P | 08/15/2025       | 13:53            | LB136861      |
|           | Vanadium  | 490            | 500        | 98            | 90 - 110                  | P | 08/15/2025       | 13:53            | LB136861      |
|           | Zinc      | 4670           | 5000       | 94            | 90 - 110                  | P | 08/15/2025       | 13:53            | LB136861      |
| CCV02     | Aluminum  | 47800          | 50000      | 96            | 90 - 110                  | P | 08/15/2025       | 14:41            | LB136861      |
|           | Antimony  | 496            | 500        | 99            | 90 - 110                  | P | 08/15/2025       | 14:41            | LB136861      |
|           | Arsenic   | 484            | 500        | 97            | 90 - 110                  | P | 08/15/2025       | 14:41            | LB136861      |
|           | Barium    | 2520           | 2500       | 101           | 90 - 110                  | P | 08/15/2025       | 14:41            | LB136861      |
|           | Beryllium | 510            | 500        | 102           | 90 - 110                  | P | 08/15/2025       | 14:41            | LB136861      |
|           | Cadmium   | 492            | 500        | 98            | 90 - 110                  | P | 08/15/2025       | 14:41            | LB136861      |
|           | Calcium   | 253000         | 250000     | 101           | 90 - 110                  | P | 08/15/2025       | 14:41            | LB136861      |
|           | Chromium  | 498            | 500        | 100           | 90 - 110                  | P | 08/15/2025       | 14:41            | LB136861      |
|           | Cobalt    | 497            | 500        | 99            | 90 - 110                  | P | 08/15/2025       | 14:41            | LB136861      |
|           | Copper    | 4960           | 5000       | 99            | 90 - 110                  | P | 08/15/2025       | 14:41            | LB136861      |
|           | Iron      | 130000         | 125000     | 104           | 90 - 110                  | P | 08/15/2025       | 14:41            | LB136861      |
|           | Lead      | 2480           | 2500       | 99            | 90 - 110                  | P | 08/15/2025       | 14:41            | LB136861      |

# Metals

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## INITIAL AND CONTINUING CALIBRATION VERIFICATION

**Client:** JACOBS Engineering Group, Inc.  
**Contract:** JACO05  
**Initial Calibration Source:** EPA  
**Continuing Calibration Source:** PLASMA-PURE

**SDG No.:** Q2869  
**Lab Code:** ACE

| Sample ID | Analyte   | Result<br>ug/L | True Value | %<br>Recovery | Acceptance<br>Window (%R) | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|-----------|----------------|------------|---------------|---------------------------|---|------------------|------------------|---------------|
| CCV02     | Magnesium | 244000         | 250000     | 98            | 90 - 110                  | P | 08/15/2025       | 14:41            | LB136861      |
|           | Manganese | 5000           | 5000       | 100           | 90 - 110                  | P | 08/15/2025       | 14:41            | LB136861      |
|           | Nickel    | 487            | 500        | 97            | 90 - 110                  | P | 08/15/2025       | 14:41            | LB136861      |
|           | Potassium | 128000         | 125000     | 102           | 90 - 110                  | P | 08/15/2025       | 14:41            | LB136861      |
|           | Selenium  | 475            | 500        | 95            | 90 - 110                  | P | 08/15/2025       | 14:41            | LB136861      |
|           | Silver    | 502            | 500        | 100           | 90 - 110                  | P | 08/15/2025       | 14:41            | LB136861      |
|           | Sodium    | 249000         | 250000     | 100           | 90 - 110                  | P | 08/15/2025       | 14:41            | LB136861      |
|           | Thallium  | 512            | 500        | 102           | 90 - 110                  | P | 08/15/2025       | 14:41            | LB136861      |
|           | Vanadium  | 501            | 500        | 100           | 90 - 110                  | P | 08/15/2025       | 14:41            | LB136861      |
|           | Zinc      | 4830           | 5000       | 97            | 90 - 110                  | P | 08/15/2025       | 14:41            | LB136861      |
| CCV03     | Aluminum  | 48700          | 50000      | 98            | 90 - 110                  | P | 08/15/2025       | 15:21            | LB136861      |
|           | Antimony  | 503            | 500        | 101           | 90 - 110                  | P | 08/15/2025       | 15:21            | LB136861      |
|           | Arsenic   | 480            | 500        | 96            | 90 - 110                  | P | 08/15/2025       | 15:21            | LB136861      |
|           | Barium    | 2500           | 2500       | 100           | 90 - 110                  | P | 08/15/2025       | 15:21            | LB136861      |
|           | Beryllium | 510            | 500        | 102           | 90 - 110                  | P | 08/15/2025       | 15:21            | LB136861      |
|           | Cadmium   | 494            | 500        | 99            | 90 - 110                  | P | 08/15/2025       | 15:21            | LB136861      |
|           | Calcium   | 253000         | 250000     | 101           | 90 - 110                  | P | 08/15/2025       | 15:21            | LB136861      |
|           | Chromium  | 495            | 500        | 99            | 90 - 110                  | P | 08/15/2025       | 15:21            | LB136861      |
|           | Cobalt    | 491            | 500        | 98            | 90 - 110                  | P | 08/15/2025       | 15:21            | LB136861      |
|           | Copper    | 4890           | 5000       | 98            | 90 - 110                  | P | 08/15/2025       | 15:21            | LB136861      |
|           | Iron      | 127000         | 125000     | 102           | 90 - 110                  | P | 08/15/2025       | 15:21            | LB136861      |
|           | Lead      | 2500           | 2500       | 100           | 90 - 110                  | P | 08/15/2025       | 15:21            | LB136861      |
|           | Magnesium | 243000         | 250000     | 97            | 90 - 110                  | P | 08/15/2025       | 15:21            | LB136861      |
|           | Manganese | 4930           | 5000       | 99            | 90 - 110                  | P | 08/15/2025       | 15:21            | LB136861      |
|           | Nickel    | 480            | 500        | 96            | 90 - 110                  | P | 08/15/2025       | 15:21            | LB136861      |
|           | Potassium | 128000         | 125000     | 103           | 90 - 110                  | P | 08/15/2025       | 15:21            | LB136861      |
|           | Selenium  | 472            | 500        | 94            | 90 - 110                  | P | 08/15/2025       | 15:21            | LB136861      |
|           | Silver    | 508            | 500        | 102           | 90 - 110                  | P | 08/15/2025       | 15:21            | LB136861      |
|           | Sodium    | 246000         | 250000     | 98            | 90 - 110                  | P | 08/15/2025       | 15:21            | LB136861      |
|           | Thallium  | 511            | 500        | 102           | 90 - 110                  | P | 08/15/2025       | 15:21            | LB136861      |
|           | Vanadium  | 498            | 500        | 100           | 90 - 110                  | P | 08/15/2025       | 15:21            | LB136861      |
|           | Zinc      | 4780           | 5000       | 96            | 90 - 110                  | P | 08/15/2025       | 15:21            | LB136861      |
| CCV04     | Aluminum  | 47600          | 50000      | 95            | 90 - 110                  | P | 08/15/2025       | 15:58            | LB136861      |
|           | Antimony  | 494            | 500        | 99            | 90 - 110                  | P | 08/15/2025       | 15:58            | LB136861      |



## Metals

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### INITIAL AND CONTINUING CALIBRATION VERIFICATION

**Client:** JACOBS Engineering Group, Inc.  
**Contract:** JACO05  
**Initial Calibration Source:** EPA  
**Continuing Calibration Source:** PLASMA-PURE

**SDG No.:** Q2869  
**Lab Code:** ACE

| Sample ID | Analyte   | Result<br>ug/L | True Value | %<br>Recovery | Acceptance<br>Window (%R) | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|-----------|----------------|------------|---------------|---------------------------|---|------------------|------------------|---------------|
| CCV04     | Arsenic   | 475            | 500        | 95            | 90 - 110                  | P | 08/15/2025       | 15:58            | LB136861      |
|           | Barium    | 2470           | 2500       | 99            | 90 - 110                  | P | 08/15/2025       | 15:58            | LB136861      |
|           | Beryllium | 505            | 500        | 101           | 90 - 110                  | P | 08/15/2025       | 15:58            | LB136861      |
|           | Cadmium   | 481            | 500        | 96            | 90 - 110                  | P | 08/15/2025       | 15:58            | LB136861      |
|           | Calcium   | 252000         | 250000     | 101           | 90 - 110                  | P | 08/15/2025       | 15:58            | LB136861      |
|           | Chromium  | 483            | 500        | 97            | 90 - 110                  | P | 08/15/2025       | 15:58            | LB136861      |
|           | Cobalt    | 482            | 500        | 96            | 90 - 110                  | P | 08/15/2025       | 15:58            | LB136861      |
|           | Copper    | 4690           | 5000       | 94            | 90 - 110                  | P | 08/15/2025       | 15:58            | LB136861      |
|           | Iron      | 126000         | 125000     | 101           | 90 - 110                  | P | 08/15/2025       | 15:58            | LB136861      |
|           | Lead      | 2430           | 2500       | 97            | 90 - 110                  | P | 08/15/2025       | 15:58            | LB136861      |
|           | Magnesium | 240000         | 250000     | 96            | 90 - 110                  | P | 08/15/2025       | 15:58            | LB136861      |
|           | Manganese | 4850           | 5000       | 97            | 90 - 110                  | P | 08/15/2025       | 15:58            | LB136861      |
|           | Nickel    | 470            | 500        | 94            | 90 - 110                  | P | 08/15/2025       | 15:58            | LB136861      |
|           | Potassium | 124000         | 125000     | 99            | 90 - 110                  | P | 08/15/2025       | 15:58            | LB136861      |
|           | Selenium  | 477            | 500        | 95            | 90 - 110                  | P | 08/15/2025       | 15:58            | LB136861      |
|           | Silver    | 493            | 500        | 99            | 90 - 110                  | P | 08/15/2025       | 15:58            | LB136861      |
|           | Sodium    | 244000         | 250000     | 98            | 90 - 110                  | P | 08/15/2025       | 15:58            | LB136861      |
|           | Thallium  | 496            | 500        | 99            | 90 - 110                  | P | 08/15/2025       | 15:58            | LB136861      |
|           | Vanadium  | 480            | 500        | 96            | 90 - 110                  | P | 08/15/2025       | 15:58            | LB136861      |
|           | Zinc      | 4710           | 5000       | 94            | 90 - 110                  | P | 08/15/2025       | 15:58            | LB136861      |
| CCV05     | Aluminum  | 47800          | 50000      | 96            | 90 - 110                  | P | 08/15/2025       | 16:39            | LB136861      |
|           | Antimony  | 504            | 500        | 101           | 90 - 110                  | P | 08/15/2025       | 16:39            | LB136861      |
|           | Arsenic   | 469            | 500        | 94            | 90 - 110                  | P | 08/15/2025       | 16:39            | LB136861      |
|           | Barium    | 2540           | 2500       | 102           | 90 - 110                  | P | 08/15/2025       | 16:39            | LB136861      |
|           | Beryllium | 514            | 500        | 103           | 90 - 110                  | P | 08/15/2025       | 16:39            | LB136861      |
|           | Cadmium   | 491            | 500        | 98            | 90 - 110                  | P | 08/15/2025       | 16:39            | LB136861      |
|           | Calcium   | 260000         | 250000     | 104           | 90 - 110                  | P | 08/15/2025       | 16:39            | LB136861      |
|           | Chromium  | 487            | 500        | 97            | 90 - 110                  | P | 08/15/2025       | 16:39            | LB136861      |
|           | Cobalt    | 483            | 500        | 97            | 90 - 110                  | P | 08/15/2025       | 16:39            | LB136861      |
|           | Copper    | 4740           | 5000       | 95            | 90 - 110                  | P | 08/15/2025       | 16:39            | LB136861      |
|           | Iron      | 126000         | 125000     | 101           | 90 - 110                  | P | 08/15/2025       | 16:39            | LB136861      |
|           | Lead      | 2560           | 2500       | 103           | 90 - 110                  | P | 08/15/2025       | 16:39            | LB136861      |
|           | Magnesium | 240000         | 250000     | 96            | 90 - 110                  | P | 08/15/2025       | 16:39            | LB136861      |
|           | Manganese | 4840           | 5000       | 97            | 90 - 110                  | P | 08/15/2025       | 16:39            | LB136861      |

## Metals

- 2a -

### INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JACOBS Engineering Group, Inc.  
Contract: JACO05  
Initial Calibration Source: EPA  
Continuing Calibration Source: PLASMA-PURE

SDG No.: Q2869  
Lab Code: ACE

| Sample ID | Analyte   | Result<br>ug/L | True Value | %<br>Recovery | Acceptance<br>Window (%R) | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|-----------|----------------|------------|---------------|---------------------------|---|------------------|------------------|---------------|
| CCV05     | Nickel    | 470            | 500        | 94            | 90 - 110                  | P | 08/15/2025       | 16:39            | LB136861      |
|           | Potassium | 124000         | 125000     | 99            | 90 - 110                  | P | 08/15/2025       | 16:39            | LB136861      |
|           | Selenium  | 493            | 500        | 98            | 90 - 110                  | P | 08/15/2025       | 16:39            | LB136861      |
|           | Silver    | 509            | 500        | 102           | 90 - 110                  | P | 08/15/2025       | 16:39            | LB136861      |
|           | Sodium    | 240000         | 250000     | 96            | 90 - 110                  | P | 08/15/2025       | 16:39            | LB136861      |
|           | Thallium  | 522            | 500        | 104           | 90 - 110                  | P | 08/15/2025       | 16:39            | LB136861      |
|           | Vanadium  | 483            | 500        | 97            | 90 - 110                  | P | 08/15/2025       | 16:39            | LB136861      |
|           | Zinc      | 4680           | 5000       | 94            | 90 - 110                  | P | 08/15/2025       | 16:39            | LB136861      |

# Metals

- 2a -

## INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JACOBS Engineering Group, Inc.

SDG No.: Q2869

Contract: JACO05

Lab Code: ACE

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

| Sample ID | Analyte   | Result<br>ug/L | True Value | %<br>Recovery | Acceptance<br>Window (%R) | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|-----------|----------------|------------|---------------|---------------------------|---|------------------|------------------|---------------|
| ICV01     | Aluminum  | 1530           | 1600       | 95            | 90 - 110                  | P | 08/21/2025       | 12:15            | LB136916      |
|           | Antimony  | 410            | 400        | 102           | 90 - 110                  | P | 08/21/2025       | 12:15            | LB136916      |
|           | Arsenic   | 404            | 400        | 101           | 90 - 110                  | P | 08/21/2025       | 12:15            | LB136916      |
|           | Barium    | 1600           | 1600       | 100           | 90 - 110                  | P | 08/21/2025       | 12:15            | LB136916      |
|           | Beryllium | 40.4           | 40.0       | 101           | 90 - 110                  | P | 08/21/2025       | 12:15            | LB136916      |
|           | Cadmium   | 207            | 200        | 104           | 90 - 110                  | P | 08/21/2025       | 12:15            | LB136916      |
|           | Calcium   | 4220           | 4000       | 106           | 90 - 110                  | P | 08/21/2025       | 12:15            | LB136916      |
|           | Chromium  | 161            | 160        | 101           | 90 - 110                  | P | 08/21/2025       | 12:15            | LB136916      |
|           | Cobalt    | 400            | 400        | 100           | 90 - 110                  | P | 08/21/2025       | 12:15            | LB136916      |
|           | Copper    | 187            | 200        | 93            | 90 - 110                  | P | 08/21/2025       | 12:15            | LB136916      |
|           | Iron      | 856            | 800        | 107           | 90 - 110                  | P | 08/21/2025       | 12:15            | LB136916      |
|           | Lead      | 371            | 400        | 93            | 90 - 110                  | P | 08/21/2025       | 12:15            | LB136916      |
|           | Magnesium | 3710           | 4000       | 93            | 90 - 110                  | P | 08/21/2025       | 12:15            | LB136916      |
|           | Manganese | 369            | 400        | 92            | 90 - 110                  | P | 08/21/2025       | 12:15            | LB136916      |
|           | Nickel    | 409            | 400        | 102           | 90 - 110                  | P | 08/21/2025       | 12:15            | LB136916      |
|           | Potassium | 3900           | 4000       | 98            | 90 - 110                  | P | 08/21/2025       | 12:15            | LB136916      |
|           | Selenium  | 404            | 400        | 101           | 90 - 110                  | P | 08/21/2025       | 12:15            | LB136916      |
|           | Silver    | 209            | 200        | 105           | 90 - 110                  | P | 08/21/2025       | 12:15            | LB136916      |
|           | Sodium    | 4010           | 4000       | 100           | 90 - 110                  | P | 08/21/2025       | 12:15            | LB136916      |
|           | Thallium  | 378            | 400        | 94            | 90 - 110                  | P | 08/21/2025       | 12:15            | LB136916      |
|           | Vanadium  | 396            | 400        | 99            | 90 - 110                  | P | 08/21/2025       | 12:15            | LB136916      |
|           | Zinc      | 376            | 400        | 94            | 90 - 110                  | P | 08/21/2025       | 12:15            | LB136916      |

## Metals

- 2a -

### INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JACOBS Engineering Group, Inc.  
Contract: JACO05  
Initial Calibration Source: EPA  
Continuing Calibration Source: PLASMA-PURE

SDG No.: Q2869  
Lab Code: ACE

| Sample ID | Analyte   | Result<br>ug/L | True Value | %<br>Recovery | Acceptance<br>Window (%R) | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|-----------|----------------|------------|---------------|---------------------------|---|------------------|------------------|---------------|
| LLICV01   | Aluminum  | 19.3           | 20.0       | 96            | 80 - 120                  | P | 08/21/2025       | 12:26            | LB136916      |
|           | Antimony  | 2.10           | 2.0        | 105           | 80 - 120                  | P | 08/21/2025       | 12:26            | LB136916      |
|           | Arsenic   | 0.99           | 1.0        | 99            | 80 - 120                  | P | 08/21/2025       | 12:26            | LB136916      |
|           | Barium    | 9.84           | 10.0       | 98            | 80 - 120                  | P | 08/21/2025       | 12:26            | LB136916      |
|           | Beryllium | 1.09           | 1.0        | 109           | 80 - 120                  | P | 08/21/2025       | 12:26            | LB136916      |
|           | Cadmium   | 1.05           | 1.0        | 105           | 80 - 120                  | P | 08/21/2025       | 12:26            | LB136916      |
|           | Calcium   | 516            | 500        | 103           | 80 - 120                  | P | 08/21/2025       | 12:26            | LB136916      |
|           | Chromium  | 1.96           | 2.0        | 98            | 80 - 120                  | P | 08/21/2025       | 12:26            | LB136916      |
|           | Cobalt    | 1.06           | 1.0        | 106           | 80 - 120                  | P | 08/21/2025       | 12:26            | LB136916      |
|           | Copper    | 2.00           | 2.0        | 100           | 80 - 120                  | P | 08/21/2025       | 12:26            | LB136916      |
|           | Iron      | 53.8           | 50.0       | 108           | 80 - 120                  | P | 08/21/2025       | 12:26            | LB136916      |
|           | Lead      | 0.82           | 1.0        | 82            | 80 - 120                  | P | 08/21/2025       | 12:26            | LB136916      |
|           | Magnesium | 497            | 500        | 99            | 80 - 120                  | P | 08/21/2025       | 12:26            | LB136916      |
|           | Manganese | 1.02           | 1.0        | 102           | 80 - 120                  | P | 08/21/2025       | 12:26            | LB136916      |
|           | Nickel    | 0.99           | 1.0        | 99            | 80 - 120                  | P | 08/21/2025       | 12:26            | LB136916      |
|           | Potassium | 504            | 500        | 101           | 80 - 120                  | P | 08/21/2025       | 12:26            | LB136916      |
|           | Selenium  | 5.45           | 5.0        | 109           | 80 - 120                  | P | 08/21/2025       | 12:26            | LB136916      |
|           | Silver    | 1.09           | 1.0        | 109           | 80 - 120                  | P | 08/21/2025       | 12:26            | LB136916      |
|           | Sodium    | 510            | 500        | 102           | 80 - 120                  | P | 08/21/2025       | 12:26            | LB136916      |
|           | Thallium  | 0.96           | 1.0        | 96            | 80 - 120                  | P | 08/21/2025       | 12:26            | LB136916      |
|           | Vanadium  | 4.98           | 5.0        | 100           | 80 - 120                  | P | 08/21/2025       | 12:26            | LB136916      |
|           | Zinc      | 5.43           | 5.0        | 109           | 80 - 120                  | P | 08/21/2025       | 12:26            | LB136916      |

# Metals

- 2a -

## INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JACOBS Engineering Group, Inc.  
Contract: JACO05  
Initial Calibration Source: EPA  
Continuing Calibration Source: PLASMA-PURE

SDG No.: Q2869  
Lab Code: ACE

| Sample ID | Analyte   | Result<br>ug/L | True Value | %<br>Recovery | Acceptance<br>Window (%R) | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|-----------|----------------|------------|---------------|---------------------------|---|------------------|------------------|---------------|
| CCV01     | Aluminum  | 46300          | 50000      | 93            | 90 - 110                  | P | 08/21/2025       | 12:39            | LB136916      |
|           | Antimony  | 522            | 500        | 104           | 90 - 110                  | P | 08/21/2025       | 12:39            | LB136916      |
|           | Arsenic   | 500            | 500        | 100           | 90 - 110                  | P | 08/21/2025       | 12:39            | LB136916      |
|           | Barium    | 2650           | 2500       | 106           | 90 - 110                  | P | 08/21/2025       | 12:39            | LB136916      |
|           | Beryllium | 521            | 500        | 104           | 90 - 110                  | P | 08/21/2025       | 12:39            | LB136916      |
|           | Cadmium   | 512            | 500        | 102           | 90 - 110                  | P | 08/21/2025       | 12:39            | LB136916      |
|           | Calcium   | 249000         | 250000     | 100           | 90 - 110                  | P | 08/21/2025       | 12:39            | LB136916      |
|           | Chromium  | 511            | 500        | 102           | 90 - 110                  | P | 08/21/2025       | 12:39            | LB136916      |
|           | Cobalt    | 505            | 500        | 101           | 90 - 110                  | P | 08/21/2025       | 12:39            | LB136916      |
|           | Copper    | 4990           | 5000       | 100           | 90 - 110                  | P | 08/21/2025       | 12:39            | LB136916      |
|           | Iron      | 122000         | 125000     | 97            | 90 - 110                  | P | 08/21/2025       | 12:39            | LB136916      |
|           | Lead      | 2590           | 2500       | 104           | 90 - 110                  | P | 08/21/2025       | 12:39            | LB136916      |
|           | Magnesium | 247000         | 250000     | 99            | 90 - 110                  | P | 08/21/2025       | 12:39            | LB136916      |
|           | Manganese | 5070           | 5000       | 101           | 90 - 110                  | P | 08/21/2025       | 12:39            | LB136916      |
|           | Nickel    | 495            | 500        | 99            | 90 - 110                  | P | 08/21/2025       | 12:39            | LB136916      |
|           | Potassium | 122000         | 125000     | 98            | 90 - 110                  | P | 08/21/2025       | 12:39            | LB136916      |
|           | Selenium  | 489            | 500        | 98            | 90 - 110                  | P | 08/21/2025       | 12:39            | LB136916      |
|           | Silver    | 518            | 500        | 104           | 90 - 110                  | P | 08/21/2025       | 12:39            | LB136916      |
|           | Sodium    | 251000         | 250000     | 100           | 90 - 110                  | P | 08/21/2025       | 12:39            | LB136916      |
|           | Thallium  | 520            | 500        | 104           | 90 - 110                  | P | 08/21/2025       | 12:39            | LB136916      |
|           | Vanadium  | 510            | 500        | 102           | 90 - 110                  | P | 08/21/2025       | 12:39            | LB136916      |
|           | Zinc      | 4820           | 5000       | 96            | 90 - 110                  | P | 08/21/2025       | 12:39            | LB136916      |
| CCV02     | Aluminum  | 46800          | 50000      | 94            | 90 - 110                  | P | 08/21/2025       | 13:40            | LB136916      |
|           | Antimony  | 519            | 500        | 104           | 90 - 110                  | P | 08/21/2025       | 13:40            | LB136916      |
|           | Arsenic   | 495            | 500        | 99            | 90 - 110                  | P | 08/21/2025       | 13:40            | LB136916      |
|           | Barium    | 2630           | 2500       | 105           | 90 - 110                  | P | 08/21/2025       | 13:40            | LB136916      |
|           | Beryllium | 519            | 500        | 104           | 90 - 110                  | P | 08/21/2025       | 13:40            | LB136916      |
|           | Cadmium   | 506            | 500        | 101           | 90 - 110                  | P | 08/21/2025       | 13:40            | LB136916      |
|           | Calcium   | 252000         | 250000     | 101           | 90 - 110                  | P | 08/21/2025       | 13:40            | LB136916      |
|           | Chromium  | 496            | 500        | 99            | 90 - 110                  | P | 08/21/2025       | 13:40            | LB136916      |
|           | Cobalt    | 484            | 500        | 97            | 90 - 110                  | P | 08/21/2025       | 13:40            | LB136916      |
|           | Copper    | 4960           | 5000       | 99            | 90 - 110                  | P | 08/21/2025       | 13:40            | LB136916      |
|           | Iron      | 121000         | 125000     | 96            | 90 - 110                  | P | 08/21/2025       | 13:40            | LB136916      |
|           | Lead      | 2500           | 2500       | 100           | 90 - 110                  | P | 08/21/2025       | 13:40            | LB136916      |

## Metals

- 2a -

### INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JACOBS Engineering Group, Inc.  
Contract: JACO05  
Initial Calibration Source: EPA  
Continuing Calibration Source: PLASMA-PURE

SDG No.: Q2869  
Lab Code: ACE

| Sample ID | Analyte   | Result<br>ug/L | True Value | %<br>Recovery | Acceptance<br>Window (%R) | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|-----------|----------------|------------|---------------|---------------------------|---|------------------|------------------|---------------|
| CCV02     | Magnesium | 249000         | 250000     | 100           | 90 - 110                  | P | 08/21/2025       | 13:40            | LB136916      |
|           | Manganese | 5000           | 5000       | 100           | 90 - 110                  | P | 08/21/2025       | 13:40            | LB136916      |
|           | Nickel    | 488            | 500        | 98            | 90 - 110                  | P | 08/21/2025       | 13:40            | LB136916      |
|           | Potassium | 121000         | 125000     | 97            | 90 - 110                  | P | 08/21/2025       | 13:40            | LB136916      |
|           | Selenium  | 488            | 500        | 98            | 90 - 110                  | P | 08/21/2025       | 13:40            | LB136916      |
|           | Silver    | 515            | 500        | 103           | 90 - 110                  | P | 08/21/2025       | 13:40            | LB136916      |
|           | Sodium    | 254000         | 250000     | 102           | 90 - 110                  | P | 08/21/2025       | 13:40            | LB136916      |
|           | Thallium  | 505            | 500        | 101           | 90 - 110                  | P | 08/21/2025       | 13:40            | LB136916      |
|           | Vanadium  | 498            | 500        | 100           | 90 - 110                  | P | 08/21/2025       | 13:40            | LB136916      |
|           | Zinc      | 4810           | 5000       | 96            | 90 - 110                  | P | 08/21/2025       | 13:40            | LB136916      |
| CCV03     | Aluminum  | 48300          | 50000      | 96            | 90 - 110                  | P | 08/21/2025       | 14:32            | LB136916      |
|           | Antimony  | 502            | 500        | 100           | 90 - 110                  | P | 08/21/2025       | 14:32            | LB136916      |
|           | Arsenic   | 507            | 500        | 101           | 90 - 110                  | P | 08/21/2025       | 14:32            | LB136916      |
|           | Barium    | 2560           | 2500       | 102           | 90 - 110                  | P | 08/21/2025       | 14:32            | LB136916      |
|           | Beryllium | 531            | 500        | 106           | 90 - 110                  | P | 08/21/2025       | 14:32            | LB136916      |
|           | Cadmium   | 495            | 500        | 99            | 90 - 110                  | P | 08/21/2025       | 14:32            | LB136916      |
|           | Calcium   | 244000         | 250000     | 98            | 90 - 110                  | P | 08/21/2025       | 14:32            | LB136916      |
|           | Chromium  | 512            | 500        | 102           | 90 - 110                  | P | 08/21/2025       | 14:32            | LB136916      |
|           | Cobalt    | 507            | 500        | 101           | 90 - 110                  | P | 08/21/2025       | 14:32            | LB136916      |
|           | Copper    | 5010           | 5000       | 100           | 90 - 110                  | P | 08/21/2025       | 14:32            | LB136916      |
|           | Iron      | 122000         | 125000     | 98            | 90 - 110                  | P | 08/21/2025       | 14:32            | LB136916      |
|           | Lead      | 2540           | 2500       | 102           | 90 - 110                  | P | 08/21/2025       | 14:32            | LB136916      |
|           | Magnesium | 254000         | 250000     | 102           | 90 - 110                  | P | 08/21/2025       | 14:32            | LB136916      |
|           | Manganese | 5100           | 5000       | 102           | 90 - 110                  | P | 08/21/2025       | 14:32            | LB136916      |
|           | Nickel    | 498            | 500        | 100           | 90 - 110                  | P | 08/21/2025       | 14:32            | LB136916      |
|           | Potassium | 125000         | 125000     | 100           | 90 - 110                  | P | 08/21/2025       | 14:32            | LB136916      |
|           | Selenium  | 483            | 500        | 96            | 90 - 110                  | P | 08/21/2025       | 14:32            | LB136916      |
|           | Silver    | 507            | 500        | 101           | 90 - 110                  | P | 08/21/2025       | 14:32            | LB136916      |
|           | Sodium    | 252000         | 250000     | 101           | 90 - 110                  | P | 08/21/2025       | 14:32            | LB136916      |
|           | Thallium  | 502            | 500        | 100           | 90 - 110                  | P | 08/21/2025       | 14:32            | LB136916      |
|           | Vanadium  | 510            | 500        | 102           | 90 - 110                  | P | 08/21/2025       | 14:32            | LB136916      |
|           | Zinc      | 4870           | 5000       | 97            | 90 - 110                  | P | 08/21/2025       | 14:32            | LB136916      |
| CCV04     | Aluminum  | 47200          | 50000      | 94            | 90 - 110                  | P | 08/21/2025       | 15:12            | LB136916      |
|           | Antimony  | 506            | 500        | 101           | 90 - 110                  | P | 08/21/2025       | 15:12            | LB136916      |

## Metals

- 2a -

### INITIAL AND CONTINUING CALIBRATION VERIFICATION

**Client:** JACOBS Engineering Group, Inc.  
**Contract:** JACO05  
**Initial Calibration Source:** EPA  
**Continuing Calibration Source:** PLASMA-PURE

**SDG No.:** Q2869  
**Lab Code:** ACE

| Sample ID | Analyte   | Result<br>ug/L | True Value | %<br>Recovery | Acceptance<br>Window (%R) | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|-----------|----------------|------------|---------------|---------------------------|---|------------------|------------------|---------------|
| CCV04     | Arsenic   | 502            | 500        | 100           | 90 - 110                  | P | 08/21/2025       | 15:12            | LB136916      |
|           | Barium    | 2540           | 2500       | 102           | 90 - 110                  | P | 08/21/2025       | 15:12            | LB136916      |
|           | Beryllium | 515            | 500        | 103           | 90 - 110                  | P | 08/21/2025       | 15:12            | LB136916      |
|           | Cadmium   | 499            | 500        | 100           | 90 - 110                  | P | 08/21/2025       | 15:12            | LB136916      |
|           | Calcium   | 238000         | 250000     | 95            | 90 - 110                  | P | 08/21/2025       | 15:12            | LB136916      |
|           | Chromium  | 501            | 500        | 100           | 90 - 110                  | P | 08/21/2025       | 15:12            | LB136916      |
|           | Cobalt    | 493            | 500        | 99            | 90 - 110                  | P | 08/21/2025       | 15:12            | LB136916      |
|           | Copper    | 4930           | 5000       | 99            | 90 - 110                  | P | 08/21/2025       | 15:12            | LB136916      |
|           | Iron      | 119000         | 125000     | 95            | 90 - 110                  | P | 08/21/2025       | 15:12            | LB136916      |
|           | Lead      | 2500           | 2500       | 100           | 90 - 110                  | P | 08/21/2025       | 15:12            | LB136916      |
|           | Magnesium | 251000         | 250000     | 100           | 90 - 110                  | P | 08/21/2025       | 15:12            | LB136916      |
|           | Manganese | 5020           | 5000       | 100           | 90 - 110                  | P | 08/21/2025       | 15:12            | LB136916      |
|           | Nickel    | 487            | 500        | 97            | 90 - 110                  | P | 08/21/2025       | 15:12            | LB136916      |
|           | Potassium | 122000         | 125000     | 98            | 90 - 110                  | P | 08/21/2025       | 15:12            | LB136916      |
|           | Selenium  | 483            | 500        | 97            | 90 - 110                  | P | 08/21/2025       | 15:12            | LB136916      |
|           | Silver    | 508            | 500        | 102           | 90 - 110                  | P | 08/21/2025       | 15:12            | LB136916      |
|           | Sodium    | 252000         | 250000     | 101           | 90 - 110                  | P | 08/21/2025       | 15:12            | LB136916      |
|           | Thallium  | 506            | 500        | 101           | 90 - 110                  | P | 08/21/2025       | 15:12            | LB136916      |
|           | Vanadium  | 505            | 500        | 101           | 90 - 110                  | P | 08/21/2025       | 15:12            | LB136916      |
|           | Zinc      | 4750           | 5000       | 95            | 90 - 110                  | P | 08/21/2025       | 15:12            | LB136916      |

# Metals

- 2b -

## CRDL STANDARD FOR AA & ICP

Client: JACOBS Engineering Group, Inc.

SDG No.: Q2869

Contract: JACO05

Lab Code: ACE

Initial Calibration Source:

Continuing Calibration Source:

| Sample ID | Analyte   | Result<br>ug/L | True Value<br>ug/L | %<br>Recovery | Acceptance<br>Window (%R) | M  | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|-----------|----------------|--------------------|---------------|---------------------------|----|------------------|------------------|---------------|
| CRI       | Aluminum  | 18.0           | 20.0               | 90            | 70 - 130                  | P  | 08/15/2025       | 14:03            | LB136861      |
|           | Antimony  | 2.15           | 2.0                | 108           | 70 - 130                  | P  | 08/15/2025       | 14:03            | LB136861      |
|           | Arsenic   | 1.04           | 1.0                | 104           | 70 - 130                  | P  | 08/15/2025       | 14:03            | LB136861      |
|           | Barium    | 10.7           | 10.0               | 107           | 70 - 130                  | P  | 08/15/2025       | 14:03            | LB136861      |
|           | Beryllium | 1.17           | 1.0                | 117           | 70 - 130                  | P  | 08/15/2025       | 14:03            | LB136861      |
|           | Cadmium   | 1.05           | 1.0                | 105           | 70 - 130                  | P  | 08/15/2025       | 14:03            | LB136861      |
|           | Calcium   | 589            | 500                | 118           | 70 - 130                  | P  | 08/15/2025       | 14:03            | LB136861      |
|           | Chromium  | 2.19           | 2.0                | 110           | 70 - 130                  | P  | 08/15/2025       | 14:03            | LB136861      |
|           | Cobalt    | 1.15           | 1.0                | 115           | 50 - 150                  | P  | 08/15/2025       | 14:03            | LB136861      |
|           | Copper    | 2.19           | 2.0                | 110           | 70 - 130                  | P  | 08/15/2025       | 14:03            | LB136861      |
|           | Iron      | 60.5           | 50.0               | 121           | 70 - 130                  | P  | 08/15/2025       | 14:03            | LB136861      |
|           | Lead      | 1.01           | 1.0                | 101           | 70 - 130                  | P  | 08/15/2025       | 14:03            | LB136861      |
|           | Magnesium | 522            | 500                | 104           | 70 - 130                  | P  | 08/15/2025       | 14:03            | LB136861      |
|           | Manganese | 1.06           | 1.0                | 106           | 50 - 150                  | P  | 08/15/2025       | 14:03            | LB136861      |
|           | Nickel    | 1.16           | 1.0                | 116           | 70 - 130                  | P  | 08/15/2025       | 14:03            | LB136861      |
|           | Potassium | 591            | 500                | 118           | 70 - 130                  | P  | 08/15/2025       | 14:03            | LB136861      |
|           | Selenium  | 5.56           | 5.0                | 111           | 70 - 130                  | P  | 08/15/2025       | 14:03            | LB136861      |
|           | Silver    | 1.13           | 1.0                | 113           | 70 - 130                  | P  | 08/15/2025       | 14:03            | LB136861      |
|           | Sodium    | 562            | 500                | 112           | 70 - 130                  | P  | 08/15/2025       | 14:03            | LB136861      |
|           | Thallium  | 1.05           | 1.0                | 105           | 70 - 130                  | P  | 08/15/2025       | 14:03            | LB136861      |
|           | Vanadium  | 5.53           | 5.0                | 111           | 70 - 130                  | P  | 08/15/2025       | 14:03            | LB136861      |
|           | Zinc      | 4.70           | 5.0                | 94            | 50 - 150                  | P  | 08/15/2025       | 14:03            | LB136861      |
| CRA       | Mercury   | 0.23           | 0.2                | 115           | 70 - 130                  | CV | 08/21/2025       | 09:08            | LB136901      |
| CRI       | Aluminum  | 20.2           | 20.0               | 101           | 70 - 130                  | P  | 08/21/2025       | 12:48            | LB136916      |
|           | Antimony  | 2.16           | 2.0                | 108           | 70 - 130                  | P  | 08/21/2025       | 12:48            | LB136916      |
|           | Arsenic   | 1.05           | 1.0                | 105           | 70 - 130                  | P  | 08/21/2025       | 12:48            | LB136916      |
|           | Barium    | 10.7           | 10.0               | 107           | 70 - 130                  | P  | 08/21/2025       | 12:48            | LB136916      |
|           | Beryllium | 1.18           | 1.0                | 118           | 70 - 130                  | P  | 08/21/2025       | 12:48            | LB136916      |
|           | Cadmium   | 0.98           | 1.0                | 98            | 70 - 130                  | P  | 08/21/2025       | 12:48            | LB136916      |
|           | Calcium   | 555            | 500                | 111           | 70 - 130                  | P  | 08/21/2025       | 12:48            | LB136916      |
|           | Chromium  | 2.13           | 2.0                | 106           | 70 - 130                  | P  | 08/21/2025       | 12:48            | LB136916      |
|           | Cobalt    | 1.16           | 1.0                | 116           | 50 - 150                  | P  | 08/21/2025       | 12:48            | LB136916      |
|           | Copper    | 2.11           | 2.0                | 106           | 70 - 130                  | P  | 08/21/2025       | 12:48            | LB136916      |
|           | Iron      | 59.0           | 50.0               | 118           | 70 - 130                  | P  | 08/21/2025       | 12:48            | LB136916      |
|           | Lead      | 1.03           | 1.0                | 103           | 70 - 130                  | P  | 08/21/2025       | 12:48            | LB136916      |



**Metals**  
**- 2b -**  
**CRDL STANDARD FOR AA & ICP**

|                                                      |                              |
|------------------------------------------------------|------------------------------|
| <b>Client:</b> <u>JACOBS Engineering Group, Inc.</u> | <b>SDG No.:</b> <u>Q2869</u> |
| <b>Contract:</b> <u>JACO05</u>                       | <b>Lab Code:</b> <u>ACE</u>  |
| <b>Initial Calibration Source:</b> _____             |                              |
| <b>Continuing Calibration Source:</b> _____          |                              |

| Sample ID | Analyte   | Result<br>ug/L | True Value<br>ug/L | %<br>Recovery | Acceptance<br>Window (%R) | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|-----------|----------------|--------------------|---------------|---------------------------|---|------------------|------------------|---------------|
| CRI       | Magnesium | 524            | 500                | 105           | 70 - 130                  | P | 08/21/2025       | 12:48            | LB136916      |
|           | Manganese | 1.01           | 1.0                | 101           | 50 - 150                  | P | 08/21/2025       | 12:48            | LB136916      |
|           | Nickel    | 1.19           | 1.0                | 119           | 70 - 130                  | P | 08/21/2025       | 12:48            | LB136916      |
|           | Potassium | 561            | 500                | 112           | 70 - 130                  | P | 08/21/2025       | 12:48            | LB136916      |
|           | Selenium  | 5.74           | 5.0                | 115           | 70 - 130                  | P | 08/21/2025       | 12:48            | LB136916      |
|           | Silver    | 1.10           | 1.0                | 110           | 70 - 130                  | P | 08/21/2025       | 12:48            | LB136916      |
|           | Sodium    | 558            | 500                | 112           | 70 - 130                  | P | 08/21/2025       | 12:48            | LB136916      |
|           | Thallium  | 1.00           | 1.0                | 100           | 70 - 130                  | P | 08/21/2025       | 12:48            | LB136916      |
|           | Vanadium  | 5.41           | 5.0                | 108           | 70 - 130                  | P | 08/21/2025       | 12:48            | LB136916      |
|           | Zinc      | 5.49           | 5.0                | 110           | 50 - 150                  | P | 08/21/2025       | 12:48            | LB136916      |

**Metals**  
**- 4 -**  
**INTERFERENCE CHECK SAMPLE**

|                                               |                          |
|-----------------------------------------------|--------------------------|
| <b>Client:</b> JACOBS Engineering Group, Inc. | <b>SDG No.:</b> Q2869    |
| <b>Contract:</b> JACO05                       | <b>Lab Code:</b> ACE     |
| <b>ICS Source:</b> EPA                        | <b>Instrument ID:</b> P7 |

| Sample ID | Analyte   | Result<br>ug/L | True Value<br>ug/L | %<br>Recovery | Low<br>Limit<br>(ug/L) | High<br>Limit<br>(ug/L) | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|-----------|----------------|--------------------|---------------|------------------------|-------------------------|------------------|------------------|---------------|
| ICSA01    | Aluminum  | 89100          | 100000             | 89            | 0                      | 0                       | 08/15/2025       | 13:46            | LB136861      |
|           | Antimony  | 1.11           | 1.5                | 74            | -2.5                   | 5.5                     | 08/15/2025       | 13:46            | LB136861      |
|           | Arsenic   | 0.29           | 0.1                | 290           | -1.9                   | 2.1                     | 08/15/2025       | 13:46            | LB136861      |
|           | Barium    | 1.35           | 1.2                | 112           | -18.8                  | 21.2                    | 08/15/2025       | 13:46            | LB136861      |
|           | Beryllium | 0.28           |                    |               | -2                     | 2                       | 08/15/2025       | 13:46            | LB136861      |
|           | Cadmium   | 0.17           | 0.7                | 24            | -1.3                   | 2.7                     | 08/15/2025       | 13:46            | LB136861      |
|           | Calcium   | 102000         | 100000             | 102           | 0                      | 0                       | 08/15/2025       | 13:46            | LB136861      |
|           | Chromium  | 20.0           | 21.0               | 95            | 17                     | 25                      | 08/15/2025       | 13:46            | LB136861      |
|           | Cobalt    | 1.28           | 1.0                | 128           | -1                     | 3                       | 08/15/2025       | 13:46            | LB136861      |
|           | Copper    | 7.41           | 8.0                | 93            | 4                      | 12                      | 08/15/2025       | 13:46            | LB136861      |
|           | Iron      | 102000         | 100000             | 102           | 0                      | 0                       | 08/15/2025       | 13:46            | LB136861      |
|           | Lead      | 4.10           | 4.0                | 102           | 2                      | 6                       | 08/15/2025       | 13:46            | LB136861      |
|           | Magnesium | 91200          | 100000             | 91            | 0                      | 0                       | 08/15/2025       | 13:46            | LB136861      |
|           | Manganese | 7.52           | 7.0                | 107           | 5                      | 9                       | 08/15/2025       | 13:46            | LB136861      |
|           | Nickel    | 5.29           | 6.0                | 88            | 4                      | 8                       | 08/15/2025       | 13:46            | LB136861      |
|           | Potassium | 102000         | 100000             | 102           | 0                      | 0                       | 08/15/2025       | 13:46            | LB136861      |
|           | Selenium  | 0              | 0.3                |               | -9.7                   | 10                      | 08/15/2025       | 13:46            | LB136861      |
|           | Silver    | 0.050          |                    |               | -2                     | 2                       | 08/15/2025       | 13:46            | LB136861      |
|           | Sodium    | 100000         | 100000             | 100           | 0                      | 0                       | 08/15/2025       | 13:46            | LB136861      |
|           | Thallium  | 0.040          |                    |               | -2                     | 2                       | 08/15/2025       | 13:46            | LB136861      |
|           | Vanadium  | 0.22           | 0.5                | 44            | -9.5                   | 10.5                    | 08/15/2025       | 13:46            | LB136861      |
|           | Zinc      | 9.17           | 11.0               | 83            | 1                      | 21                      | 08/15/2025       | 13:46            | LB136861      |
| ICSAB01   | Aluminum  | 89700          | 100000             | 90            | 0                      | 0                       | 08/15/2025       | 13:50            | LB136861      |
|           | Antimony  | 20.9           | 22.0               | 95            | 18                     | 26                      | 08/15/2025       | 13:50            | LB136861      |
|           | Arsenic   | 20.2           | 19.0               | 106           | 16.2                   | 21.9                    | 08/15/2025       | 13:50            | LB136861      |
|           | Barium    | 21.7           | 22.0               | 99            | 2                      | 42                      | 08/15/2025       | 13:50            | LB136861      |
|           | Beryllium | 21.4           | 19.0               | 113           | 16.2                   | 21.9                    | 08/15/2025       | 13:50            | LB136861      |
|           | Cadmium   | 20.4           | 20.0               | 102           | 17                     | 23                      | 08/15/2025       | 13:50            | LB136861      |
|           | Calcium   | 102000         | 100000             | 102           | 0                      | 0                       | 08/15/2025       | 13:50            | LB136861      |
|           | Chromium  | 40.6           | 40.0               | 102           | 34                     | 46                      | 08/15/2025       | 13:50            | LB136861      |
|           | Cobalt    | 21.9           | 20.0               | 110           | 17                     | 23                      | 08/15/2025       | 13:50            | LB136861      |
|           | Copper    | 26.5           | 25.0               | 106           | 21                     | 29                      | 08/15/2025       | 13:50            | LB136861      |
|           | Iron      | 102000         | 100000             | 102           | 0                      | 0                       | 08/15/2025       | 13:50            | LB136861      |
|           | Lead      | 23.6           | 25.0               | 94            | 21.3                   | 28.8                    | 08/15/2025       | 13:50            | LB136861      |
|           | Magnesium | 91800          | 100000             | 92            | 0                      | 0                       | 08/15/2025       | 13:50            | LB136861      |
|           | Manganese | 28.4           | 27.0               | 105           | 23                     | 31.1                    | 08/15/2025       | 13:50            | LB136861      |
|           | Nickel    | 26.6           | 24.0               | 111           | 20.4                   | 27.6                    | 08/15/2025       | 13:50            | LB136861      |
|           | Potassium | 103000         | 100000             | 103           | 0                      | 0                       | 08/15/2025       | 13:50            | LB136861      |
|           | Selenium  | 19.6           | 19.0               | 103           | 9                      | 29                      | 08/15/2025       | 13:50            | LB136861      |
|           | Silver    | 19.9           | 18.0               | 111           | 15.3                   | 20.7                    | 08/15/2025       | 13:50            | LB136861      |
|           | Sodium    | 101000         | 100000             | 101           | 0                      | 0                       | 08/15/2025       | 13:50            | LB136861      |
|           | Thallium  | 20.4           | 21.0               | 97            | 17.9                   | 24.2                    | 08/15/2025       | 13:50            | LB136861      |

**Metals**  
**- 4 -**  
**INTERFERENCE CHECK SAMPLE**

|                                                      |                                 |
|------------------------------------------------------|---------------------------------|
| <b>Client:</b> <u>JACOBS Engineering Group, Inc.</u> | <b>SDG No.:</b> <u>Q2869</u>    |
| <b>Contract:</b> <u>JACO05</u>                       | <b>Lab Code:</b> <u>ACE</u>     |
| <b>ICS Source:</b> <u>EPA</u>                        | <b>Instrument ID:</b> <u>P7</u> |

| Sample ID | Analyte   | Result<br>ug/L | True Value<br>ug/L | %<br>Recovery | Low<br>Limit<br>(ug/L) | High<br>Limit<br>(ug/L) | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|-----------|----------------|--------------------|---------------|------------------------|-------------------------|------------------|------------------|---------------|
| ICSAB01   | Vanadium  | 20.3           | 19.0               | 107           | 9                      | 29                      | 08/15/2025       | 13:50            | LB136861      |
|           | Zinc      | 27.1           | 29.0               | 93            | 19                     | 39                      | 08/15/2025       | 13:50            | LB136861      |
| ICSA01    | Aluminum  | 93700          | 100000             | 94            | 0                      | 0                       | 08/21/2025       | 12:33            | LB136916      |
|           | Antimony  | 1.09           | 1.5                | 73            | -2.5                   | 5.5                     | 08/21/2025       | 12:33            | LB136916      |
|           | Arsenic   | 0.28           | 0.1                | 280           | -1.9                   | 2.1                     | 08/21/2025       | 12:33            | LB136916      |
|           | Barium    | 1.42           | 1.2                | 118           | -18.8                  | 21.2                    | 08/21/2025       | 12:33            | LB136916      |
|           | Beryllium | 0.27           |                    |               | -2                     | 2                       | 08/21/2025       | 12:33            | LB136916      |
|           | Cadmium   | 0              | 0.7                |               | -1.3                   | 2.7                     | 08/21/2025       | 12:33            | LB136916      |
|           | Calcium   | 100000         | 100000             | 100           | 0                      | 0                       | 08/21/2025       | 12:33            | LB136916      |
|           | Chromium  | 20.1           | 21.0               | 96            | 17                     | 25                      | 08/21/2025       | 12:33            | LB136916      |
|           | Cobalt    | 1.30           | 1.0                | 130           | -1                     | 3                       | 08/21/2025       | 12:33            | LB136916      |
|           | Copper    | 7.38           | 8.0                | 92            | 4                      | 12                      | 08/21/2025       | 12:33            | LB136916      |
|           | Iron      | 100000         | 100000             | 100           | 0                      | 0                       | 08/21/2025       | 12:33            | LB136916      |
|           | Lead      | 4.27           | 4.0                | 107           | 2                      | 6                       | 08/21/2025       | 12:33            | LB136916      |
|           | Magnesium | 96000          | 100000             | 96            | 0                      | 0                       | 08/21/2025       | 12:33            | LB136916      |
|           | Manganese | 7.22           | 7.0                | 103           | 5                      | 9                       | 08/21/2025       | 12:33            | LB136916      |
|           | Nickel    | 5.50           | 6.0                | 92            | 4                      | 8                       | 08/21/2025       | 12:33            | LB136916      |
|           | Potassium | 101000         | 100000             | 101           | 0                      | 0                       | 08/21/2025       | 12:33            | LB136916      |
|           | Selenium  | 0.050          | 0.3                | 17            | -9.7                   | 10                      | 08/21/2025       | 12:33            | LB136916      |
|           | Silver    | 0.050          |                    |               | -2                     | 2                       | 08/21/2025       | 12:33            | LB136916      |
|           | Sodium    | 105000         | 100000             | 105           | 0                      | 0                       | 08/21/2025       | 12:33            | LB136916      |
|           | Thallium  | 0.040          |                    |               | -2                     | 2                       | 08/21/2025       | 12:33            | LB136916      |
|           | Vanadium  | 0.19           | 0.5                | 38            | -9.5                   | 10.5                    | 08/21/2025       | 12:33            | LB136916      |
|           | Zinc      | 9.71           | 11.0               | 88            | 1                      | 21                      | 08/21/2025       | 12:33            | LB136916      |
| ICSAB01   | Aluminum  | 93100          | 100000             | 93            | 0                      | 0                       | 08/21/2025       | 12:36            | LB136916      |
|           | Antimony  | 21.4           | 22.0               | 97            | 18                     | 26                      | 08/21/2025       | 12:36            | LB136916      |
|           | Arsenic   | 20.3           | 19.0               | 107           | 16.2                   | 21.9                    | 08/21/2025       | 12:36            | LB136916      |
|           | Barium    | 21.8           | 22.0               | 99            | 2                      | 42                      | 08/21/2025       | 12:36            | LB136916      |
|           | Beryllium | 20.8           | 19.0               | 110           | 16.2                   | 21.9                    | 08/21/2025       | 12:36            | LB136916      |
|           | Cadmium   | 20.7           | 20.0               | 104           | 17                     | 23                      | 08/21/2025       | 12:36            | LB136916      |
|           | Calcium   | 99700          | 100000             | 100           | 0                      | 0                       | 08/21/2025       | 12:36            | LB136916      |
|           | Chromium  | 40.2           | 40.0               | 100           | 34                     | 46                      | 08/21/2025       | 12:36            | LB136916      |
|           | Cobalt    | 21.6           | 20.0               | 108           | 17                     | 23                      | 08/21/2025       | 12:36            | LB136916      |
|           | Copper    | 26.5           | 25.0               | 106           | 21                     | 29                      | 08/21/2025       | 12:36            | LB136916      |
|           | Iron      | 101000         | 100000             | 101           | 0                      | 0                       | 08/21/2025       | 12:36            | LB136916      |
|           | Lead      | 23.3           | 25.0               | 93            | 21.3                   | 28.8                    | 08/21/2025       | 12:36            | LB136916      |
|           | Magnesium | 93700          | 100000             | 94            | 0                      | 0                       | 08/21/2025       | 12:36            | LB136916      |
|           | Manganese | 25.7           | 27.0               | 95            | 23                     | 31.1                    | 08/21/2025       | 12:36            | LB136916      |
|           | Nickel    | 26.0           | 24.0               | 108           | 20.4                   | 27.6                    | 08/21/2025       | 12:36            | LB136916      |
|           | Potassium | 101000         | 100000             | 101           | 0                      | 0                       | 08/21/2025       | 12:36            | LB136916      |
|           | Selenium  | 20.0           | 19.0               | 105           | 9                      | 29                      | 08/21/2025       | 12:36            | LB136916      |
|           | Silver    | 20.2           | 18.0               | 112           | 15.3                   | 20.7                    | 08/21/2025       | 12:36            | LB136916      |

**Metals**  
**- 4 -**  
**INTERFERENCE CHECK SAMPLE**

|                                                      |                                 |
|------------------------------------------------------|---------------------------------|
| <b>Client:</b> <u>JACOBS Engineering Group, Inc.</u> | <b>SDG No.:</b> <u>Q2869</u>    |
| <b>Contract:</b> <u>JACO05</u>                       | <b>Lab Code:</b> <u>ACE</u>     |
| <b>ICS Source:</b> <u>EPA</u>                        | <b>Instrument ID:</b> <u>P7</u> |

| Sample ID | Analyte  | Result<br>ug/L | True Value<br>ug/L | %<br>Recovery | Low<br>Limit<br>(ug/L) | High<br>Limit<br>(ug/L) | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|----------|----------------|--------------------|---------------|------------------------|-------------------------|------------------|------------------|---------------|
| ICSAB01   | Sodium   | 104000         | 100000             | 104           | 0                      | 0                       | 08/21/2025       | 12:36            | LB136916      |
|           | Thallium | 19.8           | 21.0               | 94            | 17.9                   | 24.2                    | 08/21/2025       | 12:36            | LB136916      |
|           | Vanadium | 20.0           | 19.0               | 105           | 9                      | 29                      | 08/21/2025       | 12:36            | LB136916      |
|           | Zinc     | 29.0           | 29.0               | 100           | 19                     | 39                      | 08/21/2025       | 12:36            | LB136916      |



# METAL QC DATA

**metals**  
**- 5a -**  
**MATRIX SPIKE SUMMARY**

**client:** JACOBS Engineering Group, Inc.      **level:** low      **sdg no.:** Q2869  
**contract:** JACO05      **lab code:** ACE  
**matrix:** Water      **sample id:** Q2842-03      **client id:** MW-17B-55.5-08122025MS  
**Percent Solids for Sample:** NA      **Spiked ID:** Q2842-04      **Percent Solids for Spike Sample:** NA

| Analyte   | Units | Acceptance<br>Limit %R | Spiked<br>Result | C | Sample<br>Result | C | Spike<br>Added | %<br>Recovery | Qual | M |
|-----------|-------|------------------------|------------------|---|------------------|---|----------------|---------------|------|---|
| Aluminum  | ug/L  | 75 - 125               | 8440             |   | 31.8             |   | 10000          | 84            |      | P |
| Antimony  | ug/L  | 75 - 125               | 464              |   | 0.22             | J | 500            | 93            |      | P |
| Arsenic   | ug/L  | 75 - 125               | 489              |   | 0.63             | J | 500            | 98            |      | P |
| Barium    | ug/L  | 75 - 125               | 2580             |   | 448              |   | 2500           | 85            |      | P |
| Beryllium | ug/L  | 75 - 125               | 485              |   | 1.00             | U | 500            | 97            |      | P |
| Cadmium   | ug/L  | 75 - 125               | 473              |   | 1.00             | U | 500            | 95            |      | P |
| Calcium   | ug/L  | 75 - 125               | 73500            |   | 29600            |   | 50000          | 88            |      | P |
| Chromium  | ug/L  | 75 - 125               | 456              |   | 2.00             | U | 500            | 91            |      | P |
| Cobalt    | ug/L  | 75 - 125               | 476              |   | 8.23             |   | 500            | 94            |      | P |
| Copper    | ug/L  | 75 - 125               | 4350             |   | 2.00             | U | 5000           | 87            |      | P |
| Iron      | ug/L  | 75 - 125               | 28900            |   | 7590             |   | 25000          | 85            |      | P |
| Lead      | ug/L  | 75 - 125               | 2320             |   | 0.61             | J | 2500           | 93            |      | P |
| Magnesium | ug/L  | 75 - 125               | 55100            |   | 9260             |   | 50000          | 92            |      | P |
| Manganese | ug/L  | 75 - 125               | 4900             |   | 618              |   | 5000           | 86            |      | P |
| Nickel    | ug/L  | 75 - 125               | 478              |   | 11.3             |   | 500            | 93            |      | P |
| Potassium | ug/L  | 75 - 125               | 29700            |   | 7950             |   | 25000          | 87            |      | P |
| Selenium  | ug/L  | 75 - 125               | 475              |   | 5.00             | U | 500            | 95            |      | P |
| Silver    | ug/L  | 75 - 125               | 85.3             |   | 1.00             | U | 500            | 17            | N    | P |
| Sodium    | ug/L  | 75 - 125               | 52200            |   | 6170             |   | 50000          | 92            |      | P |
| Thallium  | ug/L  | 75 - 125               | 462              |   | 0.21             | J | 500            | 92            |      | P |
| Vanadium  | ug/L  | 75 - 125               | 467              |   | 0.29             | J | 500            | 93            |      | P |
| Zinc      | ug/L  | 75 - 125               | 4520             |   | 3.08             | J | 5000           | 90            |      | P |

**metals**  
**- 5a -**  
**MATRIX SPIKE DUPLICATE SUMMARY**

**client:** JACOBS Engineering Group, Inc. **level:** low **sdg no.:** Q2869  
**contract:** JACO05 **lab code:** ACE  
**matrix:** Water **sample id:** Q2842-03 **client id:** MW-17B-55.5-08122025MSD  
**Percent Solids for Sample:** NA **Spiked ID:** Q2842-05 **Percent Solids for Spike Sample:** NA

| Analyte   | Units | Acceptance<br>Limit %R | MSD<br>Result | C | Sample<br>Result | C | Spike<br>Added | %<br>Recovery | Qual | M |
|-----------|-------|------------------------|---------------|---|------------------|---|----------------|---------------|------|---|
| Aluminum  | ug/L  | 75 - 125               | 8470          |   | 31.8             |   | 10000          | 84            |      | P |
| Antimony  | ug/L  | 75 - 125               | 482           |   | 0.22             | J | 500            | 96            |      | P |
| Arsenic   | ug/L  | 75 - 125               | 467           |   | 0.63             | J | 500            | 93            |      | P |
| Barium    | ug/L  | 75 - 125               | 2650          |   | 448              |   | 2500           | 88            |      | P |
| Beryllium | ug/L  | 75 - 125               | 489           |   | 1.00             | U | 500            | 98            |      | P |
| Cadmium   | ug/L  | 75 - 125               | 484           |   | 1.00             | U | 500            | 97            |      | P |
| Calcium   | ug/L  | 75 - 125               | 74200         |   | 29600            |   | 50000          | 89            |      | P |
| Chromium  | ug/L  | 75 - 125               | 455           |   | 2.00             | U | 500            | 91            |      | P |
| Cobalt    | ug/L  | 75 - 125               | 481           |   | 8.23             |   | 500            | 95            |      | P |
| Copper    | ug/L  | 75 - 125               | 4370          |   | 2.00             | U | 5000           | 87            |      | P |
| Iron      | ug/L  | 75 - 125               | 29000         |   | 7590             |   | 25000          | 86            |      | P |
| Lead      | ug/L  | 75 - 125               | 2370          |   | 0.61             | J | 2500           | 95            |      | P |
| Magnesium | ug/L  | 75 - 125               | 55000         |   | 9260             |   | 50000          | 91            |      | P |
| Manganese | ug/L  | 75 - 125               | 4960          |   | 618              |   | 5000           | 87            |      | P |
| Nickel    | ug/L  | 75 - 125               | 483           |   | 11.3             |   | 500            | 94            |      | P |
| Potassium | ug/L  | 75 - 125               | 29900         |   | 7950             |   | 25000          | 88            |      | P |
| Selenium  | ug/L  | 75 - 125               | 469           |   | 5.00             | U | 500            | 94            |      | P |
| Silver    | ug/L  | 75 - 125               | 87.6          |   | 1.00             | U | 500            | 18            | N    | P |
| Sodium    | ug/L  | 75 - 125               | 51900         |   | 6170             |   | 50000          | 92            |      | P |
| Thallium  | ug/L  | 75 - 125               | 477           |   | 0.21             | J | 500            | 95            |      | P |
| Vanadium  | ug/L  | 75 - 125               | 476           |   | 0.29             | J | 500            | 95            |      | P |
| Zinc      | ug/L  | 75 - 125               | 4550          |   | 3.08             | J | 5000           | 91            |      | P |

**metals**  
**- 5a -**  
**MATRIX SPIKE SUMMARY**

**client:** JACOBS Engineering Group, Inc.      **level:** low      **sdg no.:** Q2869  
**contract:** JACO05      **lab code:** ACE  
**matrix:** Water      **sample id:** Q2842-09      **client id:** MW-17B-55.5-08122025MS  
**Percent Solids for Sample:** NA      **Spiked ID:** Q2842-10      **Percent Solids for Spike Sample:** NA

| Analyte   | Units | Acceptance<br>Limit %R | Spiked<br>Result | C | Sample<br>Result | C | Spike<br>Added | %<br>Recovery | Qual | M |
|-----------|-------|------------------------|------------------|---|------------------|---|----------------|---------------|------|---|
| Aluminum  | ug/L  | 75 - 125               | 8320             |   | 12.3             | J | 10000          | 83            |      | P |
| Antimony  | ug/L  | 75 - 125               | 474              |   | 0.23             | J | 500            | 95            |      | P |
| Arsenic   | ug/L  | 75 - 125               | 492              |   | 0.54             | J | 500            | 98            |      | P |
| Barium    | ug/L  | 75 - 125               | 2600             |   | 431              |   | 2500           | 87            |      | P |
| Beryllium | ug/L  | 75 - 125               | 474              |   | 1.00             | U | 500            | 95            |      | P |
| Cadmium   | ug/L  | 75 - 125               | 473              |   | 1.00             | U | 500            | 95            |      | P |
| Calcium   | ug/L  | 75 - 125               | 72300            |   | 31900            |   | 50000          | 81            |      | P |
| Chromium  | ug/L  | 75 - 125               | 459              |   | 2.00             | U | 500            | 92            |      | P |
| Cobalt    | ug/L  | 75 - 125               | 475              |   | 8.13             |   | 500            | 93            |      | P |
| Copper    | ug/L  | 75 - 125               | 4250             |   | 2.00             | U | 5000           | 85            |      | P |
| Iron      | ug/L  | 75 - 125               | 27000            |   | 7020             |   | 25000          | 80            |      | P |
| Lead      | ug/L  | 75 - 125               | 2300             |   | 1.00             | U | 2500           | 92            |      | P |
| Magnesium | ug/L  | 75 - 125               | 55500            |   | 9810             |   | 50000          | 91            |      | P |
| Manganese | ug/L  | 75 - 125               | 4810             |   | 642              |   | 5000           | 83            |      | P |
| Nickel    | ug/L  | 75 - 125               | 463              |   | 10.3             |   | 500            | 91            |      | P |
| Potassium | ug/L  | 75 - 125               | 29100            |   | 8190             |   | 25000          | 83            |      | P |
| Selenium  | ug/L  | 75 - 125               | 468              |   | 5.00             | U | 500            | 94            |      | P |
| Silver    | ug/L  | 75 - 125               | 85.3             |   | 1.00             | U | 500            | 17            | N    | P |
| Sodium    | ug/L  | 75 - 125               | 53100            |   | 6520             |   | 50000          | 93            |      | P |
| Thallium  | ug/L  | 75 - 125               | 459              |   | 0.39             | J | 500            | 92            |      | P |
| Vanadium  | ug/L  | 75 - 125               | 471              |   | 0.17             | J | 500            | 94            |      | P |
| Zinc      | ug/L  | 75 - 125               | 4430             |   | 1.38             | J | 5000           | 89            |      | P |



**metals**  
**- 5a -**  
**MATRIX SPIKE DUPLICATE SUMMARY**

**client:** JACOBS Engineering Group, Inc.      **level:** low      **sdg no.:** Q2869  
**contract:** JACO05      **lab code:** ACE  
**matrix:** Water      **sample id:** Q2842-09      **client id:** MW-17B-55.5-08122025MSD  
**Percent Solids for Sample:** NA      **Spiked ID:** Q2842-11      **Percent Solids for Spike Sample:** NA

| Analyte   | Units | Acceptance<br>Limit %R | MSD<br>Result | C | Sample<br>Result | C | Spike<br>Added | %<br>Recovery | Qual | M |
|-----------|-------|------------------------|---------------|---|------------------|---|----------------|---------------|------|---|
| Aluminum  | ug/L  | 75 - 125               | 8320          |   | 12.3             | J | 10000          | 83            |      | P |
| Antimony  | ug/L  | 75 - 125               | 467           |   | 0.23             | J | 500            | 93            |      | P |
| Arsenic   | ug/L  | 75 - 125               | 494           |   | 0.54             | J | 500            | 99            |      | P |
| Barium    | ug/L  | 75 - 125               | 2520          |   | 431              |   | 2500           | 83            |      | P |
| Beryllium | ug/L  | 75 - 125               | 469           |   | 1.00             | U | 500            | 94            |      | P |
| Cadmium   | ug/L  | 75 - 125               | 462           |   | 1.00             | U | 500            | 92            |      | P |
| Calcium   | ug/L  | 75 - 125               | 72600         |   | 31900            |   | 50000          | 81            |      | P |
| Chromium  | ug/L  | 75 - 125               | 457           |   | 2.00             | U | 500            | 91            |      | P |
| Cobalt    | ug/L  | 75 - 125               | 465           |   | 8.13             |   | 500            | 91            |      | P |
| Copper    | ug/L  | 75 - 125               | 4300          |   | 2.00             | U | 5000           | 86            |      | P |
| Iron      | ug/L  | 75 - 125               | 26700         |   | 7020             |   | 25000          | 79            |      | P |
| Lead      | ug/L  | 75 - 125               | 2270          |   | 1.00             | U | 2500           | 91            |      | P |
| Magnesium | ug/L  | 75 - 125               | 55800         |   | 9810             |   | 50000          | 92            |      | P |
| Manganese | ug/L  | 75 - 125               | 4930          |   | 642              |   | 5000           | 86            |      | P |
| Nickel    | ug/L  | 75 - 125               | 462           |   | 10.3             |   | 500            | 90            |      | P |
| Potassium | ug/L  | 75 - 125               | 28700         |   | 8190             |   | 25000          | 82            |      | P |
| Selenium  | ug/L  | 75 - 125               | 468           |   | 5.00             | U | 500            | 94            |      | P |
| Silver    | ug/L  | 75 - 125               | 82.8          |   | 1.00             | U | 500            | 17            | N    | P |
| Sodium    | ug/L  | 75 - 125               | 53300         |   | 6520             |   | 50000          | 94            |      | P |
| Thallium  | ug/L  | 75 - 125               | 454           |   | 0.39             | J | 500            | 91            |      | P |
| Vanadium  | ug/L  | 75 - 125               | 472           |   | 0.17             | J | 500            | 94            |      | P |
| Zinc      | ug/L  | 75 - 125               | 4430          |   | 1.38             | J | 5000           | 89            |      | P |

**metals**  
**- 5a -**  
**MATRIX SPIKE SUMMARY**

|                                                      |                                     |                                                   |
|------------------------------------------------------|-------------------------------------|---------------------------------------------------|
| <b>client:</b> <u>JACOBS Engineering Group, Inc.</u> | <b>level:</b> <u>low</u>            | <b>sdg no.:</b> <u>Q2869</u>                      |
| <b>contract:</b> <u>JACO05</u>                       |                                     | <b>lab code:</b> <u>ACE</u>                       |
| <b>matrix:</b> <u>Water</u>                          | <b>sample id:</b> <u>Q2869-01</u>   | <b>client id:</b> <u>MW-19B-71.5-081325MS</u>     |
| <b>Percent Solids for Sample:</b> <u>NA</u>          | <b>Spiked ID:</b> <u>Q2869-01MS</u> | <b>Percent Solids for Spike Sample:</b> <u>NA</u> |

| Analyte | Units | Acceptance<br>Limit %R | Spiked<br>Result | C | Sample<br>Result | C | Spike<br>Added | %<br>Recovery | Qual | M  |
|---------|-------|------------------------|------------------|---|------------------|---|----------------|---------------|------|----|
| Mercury | ug/L  | 75 - 125               | 4.18             |   | 0.20             | U | 4.0            | 104           |      | CV |

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**metals**  
**- 5a -**  
**MATRIX SPIKE DUPLICATE SUMMARY**

|                                                      |                                      |                                                   |
|------------------------------------------------------|--------------------------------------|---------------------------------------------------|
| <b>client:</b> <u>JACOBS Engineering Group, Inc.</u> | <b>level:</b> <u>low</u>             | <b>sdg no.:</b> <u>Q2869</u>                      |
| <b>contract:</b> <u>JACO05</u>                       |                                      | <b>lab code:</b> <u>ACE</u>                       |
| <b>matrix:</b> <u>Water</u>                          | <b>sample id:</b> <u>Q2869-01</u>    | <b>client id:</b> <u>MW-19B-71.5-081325MSD</u>    |
| <b>Percent Solids for Sample:</b> <u>NA</u>          | <b>Spiked ID:</b> <u>Q2869-01MSD</u> | <b>Percent Solids for Spike Sample:</b> <u>NA</u> |

| Analyte | Units | Acceptance<br>Limit %R | MSD<br>Result | C | Sample<br>Result | C | Spike<br>Added | %<br>Recovery | Qual | M  |
|---------|-------|------------------------|---------------|---|------------------|---|----------------|---------------|------|----|
| Mercury | ug/L  | 75 - 125               | 4.13          |   | 0.20             | U | 4.0            | 103           |      | CV |

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**Metals**  
**- 5b -**  
**POST DIGEST SPIKE SUMMARY**

|                                                      |                                    |                                                |
|------------------------------------------------------|------------------------------------|------------------------------------------------|
| <b>Client:</b> <u>JACOBS Engineering Group, Inc.</u> | <b>SDG No.:</b> <u>Q2869</u>       |                                                |
| <b>Contract:</b> <u>JACO05</u>                       | <b>Lab Code:</b> <u>ACE</u>        |                                                |
| <b>Matrix:</b> <u>Water</u>                          | <b>Level:</b> <u>LOW</u>           | <b>Client ID:</b> <u>MW-17B-55.5-08122025A</u> |
| <b>Sample ID:</b> <u>Q2842-03</u>                    | <b>Spiked ID:</b> <u>Q2842-03A</u> |                                                |

| Analyte | Units | Acceptance<br>Limit %R | Spiked<br>Result | C | Sample<br>Result | C | Spike<br>Added | %<br>Recovery | Qual | M |
|---------|-------|------------------------|------------------|---|------------------|---|----------------|---------------|------|---|
| Silver  | ug/L  | 75 - 125               | 85.7             |   | 1.00             | U | 500            | 17            | N    | P |

**Metals**

- 6 -

**DUPLICATE SAMPLE SUMMARY**

**Client:** JACOBS Engineering Group, Inc. **Level:** LOW **SDG No.:** Q2869  
**Contract:** JACO05 **Lab Code:** ACE  
**Matrix:** Water **Sample ID:** Q2842-03 **Client ID:** MW-17B-55.5-08122025DUP  
**Percent Solids for Sample:** NA **Duplicate ID** Q2842-03DUP **Percent Solids for Spike Sample:** NA

| Analyte   | Units | Acceptance Limit | Sample Result | C | Duplicate Result | C | RPD   | Qual | M |
|-----------|-------|------------------|---------------|---|------------------|---|-------|------|---|
| Aluminum  | ug/L  | 20               | 31.8          |   | 30.1             |   | 5     |      | P |
| Antimony  | ug/L  | 20               | 0.22          | J | 0.20             | J | 10    |      | P |
| Arsenic   | ug/L  | 20               | 0.63          | J | 0.64             | J | 2     |      | P |
| Barium    | ug/L  | 20               | 448           |   | 436              |   | 3     |      | P |
| Beryllium | ug/L  | 20               | 1.00          | U | 1.00             | U |       |      | P |
| Cadmium   | ug/L  | 20               | 1.00          | U | 1.00             | U |       |      | P |
| Calcium   | ug/L  | 20               | 29600         |   | 28900            |   | 2     |      | P |
| Chromium  | ug/L  | 20               | 2.00          | U | 0.31             | J | 200.0 |      | P |
| Cobalt    | ug/L  | 20               | 8.23          |   | 8.18             |   | 1     |      | P |
| Copper    | ug/L  | 20               | 2.00          | U | 2.00             | U |       |      | P |
| Iron      | ug/L  | 20               | 7590          |   | 7560             |   | 0     |      | P |
| Lead      | ug/L  | 20               | 0.61          | J | 1.00             | U | 200.0 |      | P |
| Magnesium | ug/L  | 20               | 9260          |   | 9200             |   | 1     |      | P |
| Manganese | ug/L  | 20               | 618           |   | 617              |   | 0     |      | P |
| Nickel    | ug/L  | 20               | 11.3          |   | 11.1             |   | 2     |      | P |
| Potassium | ug/L  | 20               | 7950          |   | 8030             |   | 1     |      | P |
| Selenium  | ug/L  | 20               | 5.00          | U | 5.00             | U |       |      | P |
| Silver    | ug/L  | 20               | 1.00          | U | 1.00             | U |       |      | P |
| Sodium    | ug/L  | 20               | 6170          |   | 6120             |   | 1     |      | P |
| Thallium  | ug/L  | 20               | 0.21          | J | 0.19             | J | 10    |      | P |
| Vanadium  | ug/L  | 20               | 0.29          | J | 0.29             | J | 0     |      | P |
| Zinc      | ug/L  | 20               | 3.08          | J | 3.40             | J | 10    |      | P |

“A control limit of  $\pm 20\%$  RPD for each matrix applies for sample values greater than 10 times Detection Limit”

**Metals**

- 6 -

**DUPLICATE SAMPLE SUMMARY**

**Client:** JACOBS Engineering Group, Inc. **Level:** LOW **SDG No.:** Q2869  
**Contract:** JACO05 **Lab Code:** ACE  
**Matrix:** Water **Sample ID:** Q2842-04 **Client ID:** MW-17B-55.5-08122025MSD  
**Percent Solids for Sample:** NA **Duplicate ID** Q2842-05 **Percent Solids for Spike Sample:** NA

| Analyte   | Units | Acceptance Limit | Sample Result | C | Duplicate Result | C | RPD | Qual | M |
|-----------|-------|------------------|---------------|---|------------------|---|-----|------|---|
| Aluminum  | ug/L  | 20               | 8440          |   | 8470             |   | 0   |      | P |
| Antimony  | ug/L  | 20               | 464           |   | 482              |   | 4   |      | P |
| Arsenic   | ug/L  | 20               | 489           |   | 467              |   | 5   |      | P |
| Barium    | ug/L  | 20               | 2580          |   | 2650             |   | 3   |      | P |
| Beryllium | ug/L  | 20               | 485           |   | 489              |   | 1   |      | P |
| Cadmium   | ug/L  | 20               | 473           |   | 484              |   | 2   |      | P |
| Calcium   | ug/L  | 20               | 73500         |   | 74200            |   | 1   |      | P |
| Chromium  | ug/L  | 20               | 456           |   | 455              |   | 0   |      | P |
| Cobalt    | ug/L  | 20               | 476           |   | 481              |   | 1   |      | P |
| Copper    | ug/L  | 20               | 4350          |   | 4370             |   | 0   |      | P |
| Iron      | ug/L  | 20               | 28900         |   | 29000            |   | 0   |      | P |
| Lead      | ug/L  | 20               | 2320          |   | 2370             |   | 2   |      | P |
| Magnesium | ug/L  | 20               | 55100         |   | 55000            |   | 0   |      | P |
| Manganese | ug/L  | 20               | 4900          |   | 4960             |   | 1   |      | P |
| Nickel    | ug/L  | 20               | 478           |   | 483              |   | 1   |      | P |
| Potassium | ug/L  | 20               | 29700         |   | 29900            |   | 1   |      | P |
| Selenium  | ug/L  | 20               | 475           |   | 469              |   | 1   |      | P |
| Silver    | ug/L  | 20               | 85.3          |   | 87.6             |   | 3   |      | P |
| Sodium    | ug/L  | 20               | 52200         |   | 51900            |   | 1   |      | P |
| Thallium  | ug/L  | 20               | 462           |   | 477              |   | 3   |      | P |
| Vanadium  | ug/L  | 20               | 467           |   | 476              |   | 2   |      | P |
| Zinc      | ug/L  | 20               | 4520          |   | 4550             |   | 1   |      | P |

“A control limit of  $\pm 20\%$  RPD for each matrix applies for sample values greater than 10 times Detection Limit”

**Metals**

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**DUPLICATE SAMPLE SUMMARY**

**Client:** JACOBS Engineering Group, Inc. **Level:** LOW **SDG No.:** Q2869  
**Contract:** JACO05 **Lab Code:** ACE  
**Matrix:** Water **Sample ID:** Q2842-10 **Client ID:** MW-17B-55.5-08122025MSD  
**Percent Solids for Sample:** NA **Duplicate ID** Q2842-11 **Percent Solids for Spike Sample:** NA

| Analyte   | Units | Acceptance Limit | Sample Result | C | Duplicate Result | C | RPD | Qual | M |
|-----------|-------|------------------|---------------|---|------------------|---|-----|------|---|
| Aluminum  | ug/L  | 20               | 8320          |   | 8320             |   | 0   |      | P |
| Antimony  | ug/L  | 20               | 474           |   | 467              |   | 1   |      | P |
| Arsenic   | ug/L  | 20               | 492           |   | 494              |   | 0   |      | P |
| Barium    | ug/L  | 20               | 2600          |   | 2520             |   | 3   |      | P |
| Beryllium | ug/L  | 20               | 474           |   | 469              |   | 1   |      | P |
| Cadmium   | ug/L  | 20               | 473           |   | 462              |   | 2   |      | P |
| Calcium   | ug/L  | 20               | 72300         |   | 72600            |   | 0   |      | P |
| Chromium  | ug/L  | 20               | 459           |   | 457              |   | 0   |      | P |
| Cobalt    | ug/L  | 20               | 475           |   | 465              |   | 2   |      | P |
| Copper    | ug/L  | 20               | 4250          |   | 4300             |   | 1   |      | P |
| Iron      | ug/L  | 20               | 27000         |   | 26700            |   | 1   |      | P |
| Lead      | ug/L  | 20               | 2300          |   | 2270             |   | 1   |      | P |
| Magnesium | ug/L  | 20               | 55500         |   | 55800            |   | 1   |      | P |
| Manganese | ug/L  | 20               | 4810          |   | 4930             |   | 2   |      | P |
| Nickel    | ug/L  | 20               | 463           |   | 462              |   | 0   |      | P |
| Potassium | ug/L  | 20               | 29100         |   | 28700            |   | 1   |      | P |
| Selenium  | ug/L  | 20               | 468           |   | 468              |   | 0   |      | P |
| Silver    | ug/L  | 20               | 85.3          |   | 82.8             |   | 3   |      | P |
| Sodium    | ug/L  | 20               | 53100         |   | 53300            |   | 0   |      | P |
| Thallium  | ug/L  | 20               | 459           |   | 454              |   | 1   |      | P |
| Vanadium  | ug/L  | 20               | 471           |   | 472              |   | 0   |      | P |
| Zinc      | ug/L  | 20               | 4430          |   | 4430             |   | 0   |      | P |

“A control limit of  $\pm 20\%$  RPD for each matrix applies for sample values greater than 10 times Detection Limit”

**Metals**

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**DUPLICATE SAMPLE SUMMARY**

**Client:** JACOBS Engineering Group, Inc.      **Level:** LOW      **SDG No.:** Q2869  
**Contract:** JACO05      **Lab Code:** ACE  
**Matrix:** Water      **Sample ID:** Q2869-01      **Client ID:** MW-19B-71.5-081325DUP  
**Percent Solids for Sample:** NA      **Duplicate ID** Q2869-01DUP      **Percent Solids for Spike Sample:** NA

| Analyte | Units | Acceptance Limit | Sample Result | C | Duplicate Result | C | RPD | Qual | M  |
|---------|-------|------------------|---------------|---|------------------|---|-----|------|----|
| Mercury | ug/L  | 20               | 0.20          | U | 0.20             | U |     |      | CV |

“A control limit of  $\pm 20\%$  RPD for each matrix applies for sample values greater than 10 times Detection Limit”



**Metals**

- 6 -

**DUPLICATE SAMPLE SUMMARY**

**Client:** JACOBS Engineering Group, Inc.      **Level:** LOW      **SDG No.:** Q2869  
**Contract:** JACO05      **Lab Code:** ACE  
**Matrix:** Water      **Sample ID:** Q2869-01MS      **Client ID:** MW-19B-71.5-081325MSD  
**Percent Solids for Sample:** NA      **Duplicate ID** Q2869-01MSD      **Percent Solids for Spike Sample:** NA

| Analyte | Units | Acceptance Limit | Sample Result | C | Duplicate Result | C | RPD | Qual | M  |
|---------|-------|------------------|---------------|---|------------------|---|-----|------|----|
| Mercury | ug/L  | 20               | 4.18          |   | 4.13             |   | 1   |      | CV |

“A control limit of  $\pm 20\%$  RPD for each matrix applies for sample values greater than 10 times Detection Limit”

**Metals**

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**LABORATORY CONTROL SAMPLE SUMMARY**

|                  |                                       |                  |              |
|------------------|---------------------------------------|------------------|--------------|
| <b>Client:</b>   | <u>JACOBS Engineering Group, Inc.</u> | <b>SDG No.:</b>  | <u>Q2869</u> |
| <b>Contract:</b> | <u>JACO05</u>                         | <b>Lab Code:</b> | <u>ACE</u>   |

| Analyte    | Units | True Value | Result | C | % Recovery | Acceptance Limits | M |
|------------|-------|------------|--------|---|------------|-------------------|---|
| PB169250BS |       |            |        |   |            |                   |   |
| Aluminum   | ug/L  | 10000      | 9810   |   | 98         | 80 - 120          | P |
| Antimony   | ug/L  | 500        | 502    |   | 100        | 80 - 120          | P |
| Arsenic    | ug/L  | 500        | 486    |   | 97         | 80 - 120          | P |
| Barium     | ug/L  | 2500       | 2530   |   | 101        | 80 - 120          | P |
| Beryllium  | ug/L  | 500        | 493    |   | 99         | 80 - 120          | P |
| Cadmium    | ug/L  | 500        | 511    |   | 102        | 80 - 120          | P |
| Calcium    | ug/L  | 50000      | 50400  |   | 101        | 80 - 120          | P |
| Chromium   | ug/L  | 500        | 485    |   | 97         | 80 - 120          | P |
| Cobalt     | ug/L  | 500        | 488    |   | 98         | 80 - 120          | P |
| Copper     | ug/L  | 5000       | 5000   |   | 100        | 80 - 120          | P |
| Iron       | ug/L  | 25000      | 25700  |   | 103        | 80 - 120          | P |
| Lead       | ug/L  | 2500       | 2420   |   | 97         | 80 - 120          | P |
| Magnesium  | ug/L  | 50000      | 48900  |   | 98         | 80 - 120          | P |
| Manganese  | ug/L  | 5000       | 4890   |   | 98         | 80 - 120          | P |
| Nickel     | ug/L  | 500        | 488    |   | 98         | 80 - 120          | P |
| Potassium  | ug/L  | 25000      | 24600  |   | 98         | 80 - 120          | P |
| Selenium   | ug/L  | 500        | 505    |   | 101        | 80 - 120          | P |
| Silver     | ug/L  | 500        | 517    |   | 103        | 80 - 120          | P |
| Sodium     | ug/L  | 50000      | 50200  |   | 100        | 80 - 120          | P |
| Thallium   | ug/L  | 500        | 488    |   | 98         | 80 - 120          | P |
| Vanadium   | ug/L  | 500        | 485    |   | 97         | 80 - 120          | P |
| Zinc       | ug/L  | 5000       | 4950   |   | 99         | 80 - 120          | P |

**Metals**

- 7 -

**LABORATORY CONTROL SAMPLE SUMMARY**

**Client:** JACOBS Engineering Group, Inc.

**SDG No.:** Q2869

**Contract:** JACO05

**Lab Code:** ACE

| Analyte               | Units | True Value | Result | C | %<br>Recovery | Acceptance<br>Limits | M  |
|-----------------------|-------|------------|--------|---|---------------|----------------------|----|
| PB169327BS<br>Mercury | ug/L  | 4.0        | 4.18   |   | 104           | 80 - 120             | CV |

## FORM 8A

## ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: JACOBS Engineering Group, Inc.

Contract: JACO05

Lab Code: ACE

SDG No.: Q2869

Instrument ID: P7

Start Date : 08/15/2025

Run Number: LB136861

End Date : 08/15/2025

| Lab<br>SampleID | Client<br>SampleID | Time | Internal Standard %RI For: Non-Collision Cell |   |                 |   |                |   |                  |   |                  |   |
|-----------------|--------------------|------|-----------------------------------------------|---|-----------------|---|----------------|---|------------------|---|------------------|---|
|                 |                    |      | Element<br>6Li                                | Q | Element<br>45Sc | Q | Element<br>89Y | Q | Element<br>103Rh | Q | Element<br>159Tb | Q |
| S0              | S0                 | 1234 | 100                                           |   | 100             |   | 100            |   | 100              |   | 100              |   |
| S2              | S2                 | 1248 | 103                                           |   | 101             |   | 94             |   | 100              |   | 102              |   |
| S3              | S3                 | 1251 | 105                                           |   | 103             |   | 94             |   | 102              |   | 103              |   |
| S4              | S4                 | 1254 | 106                                           |   | 102             |   | 95             |   | 101              |   | 103              |   |
| S5              | S5                 | 1257 | 105                                           |   | 100             |   | 94             |   | 101              |   | 104              |   |
| S6              | S6                 | 1300 | 104                                           |   | 100             |   | 94             |   | 100              |   | 102              |   |
| S7              | S7                 | 1303 | 105                                           |   | 102             |   | 98             |   | 102              |   | 107              |   |
| S8              | S8                 | 1306 | 107                                           |   | 104             |   | 98             |   | 98               |   | 107              |   |
| ICV01           | ICV01              | 1322 | 99                                            |   | 104             |   | 98             |   | 105              |   | 102              |   |
| LLICV01         | LLICV01            | 1340 | 99                                            |   | 104             |   | 98             |   | 105              |   | 102              |   |
| ICB01           | ICB01              | 1343 | 100                                           |   | 106             |   | 98             |   | 105              |   | 104              |   |
| ICSA01          | ICSA01             | 1346 | 97                                            |   | 103             |   | 101            |   | 107              |   | 108              |   |
| ICSAB01         | ICSAB01            | 1350 | 89                                            |   | 105             |   | 103            |   | 107              |   | 111              |   |
| CCV01           | CCV01              | 1353 | 90                                            |   | 107             |   | 105            |   | 106              |   | 112              |   |
| CCB01           | CCB01              | 1356 | 88                                            |   | 103             |   | 99             |   | 106              |   | 103              |   |
| CRI             | CRI                | 1403 | 90                                            |   | 102             |   | 98             |   | 105              |   | 103              |   |
| ZZZZZZ          | ZZZZZZ             | 1410 |                                               |   |                 |   |                |   |                  |   |                  |   |
| ZZZZZZ          | ZZZZZZ             | 1413 |                                               |   |                 |   |                |   |                  |   |                  |   |
| ZZZZZZ          | ZZZZZZ             | 1419 |                                               |   |                 |   |                |   |                  |   |                  |   |
| ZZZZZZ          | ZZZZZZ             | 1423 |                                               |   |                 |   |                |   |                  |   |                  |   |
| ZZZZZZ          | ZZZZZZ             | 1426 |                                               |   |                 |   |                |   |                  |   |                  |   |
| ZZZZZZ          | ZZZZZZ             | 1429 |                                               |   |                 |   |                |   |                  |   |                  |   |
| ZZZZZZ          | ZZZZZZ             | 1432 |                                               |   |                 |   |                |   |                  |   |                  |   |
| ZZZZZZ          | ZZZZZZ             | 1435 |                                               |   |                 |   |                |   |                  |   |                  |   |
| ZZZZZZ          | ZZZZZZ             | 1438 |                                               |   |                 |   |                |   |                  |   |                  |   |
| CCV02           | CCV02              | 1441 | 93                                            |   | 108             |   | 104            |   | 107              |   | 110              |   |
| CCB02           | CCB02              | 1444 | 90                                            |   | 105             |   | 100            |   | 106              |   | 104              |   |
| ZZZZZZ          | ZZZZZZ             | 1450 |                                               |   |                 |   |                |   |                  |   |                  |   |
| ZZZZZZ          | ZZZZZZ             | 1453 |                                               |   |                 |   |                |   |                  |   |                  |   |
| ZZZZZZ          | ZZZZZZ             | 1456 |                                               |   |                 |   |                |   |                  |   |                  |   |
| ZZZZZZ          | ZZZZZZ             | 1500 |                                               |   |                 |   |                |   |                  |   |                  |   |
| Q2842-03DUP     | MW-17B-55.5        | 1503 | 97                                            |   | 120             |   | 116            |   | 120              |   | 116              |   |
| Q2842-03L       | MW-17B-55.5        | 1506 | 88                                            |   | 106             |   | 103            |   | 109              |   | 105              |   |
| Q2842-04        | MW-17B-55.5        | 1509 | 99                                            |   | 119             |   | 114            |   | 119              |   | 120              |   |
| Q2842-05        | MW-17B-55.5        | 1512 | 97                                            |   | 117             |   | 115            |   | 118              |   | 117              |   |
| Q2842-03A       | MW-17B-55.5        | 1515 | 97                                            |   | 118             |   | 114            |   | 120              |   | 118              |   |

Internal Standard %RI Limit: 70 - 130

## FORM 8A

## ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: JACOBS Engineering Group, Inc.

Contract: JACO05

Lab Code: ACE

SDG No.: Q2869

Instrument ID: P7

Start Date : 08/15/2025

Run Number: LB136861

End Date : 08/15/2025

| Lab<br>SampleID | Client<br>SampleID | Time | Internal Standard %RI For: Non-Collision Cell |   |                 |   |                |   |                  |   |                  |   |
|-----------------|--------------------|------|-----------------------------------------------|---|-----------------|---|----------------|---|------------------|---|------------------|---|
|                 |                    |      | Element<br>6Li                                | Q | Element<br>45Sc | Q | Element<br>89Y | Q | Element<br>103Rh | Q | Element<br>159Tb | Q |
| ZZZZZZ          | ZZZZZZ             | 1518 |                                               |   |                 |   |                |   |                  |   |                  |   |
| CCV03           | CCV03              | 1521 | 91                                            |   | 108             |   | 105            |   | 106              |   | 109              |   |
| CCB03           | CCB03              | 1524 | 91                                            |   | 102             |   | 99             |   | 106              |   | 103              |   |
| Q2842-10        | MW-17B-55.5        | 1527 | 105                                           |   | 121             |   | 114            |   | 121              |   | 120              |   |
| Q2842-11        | MW-17B-55.5        | 1530 | 102                                           |   | 119             |   | 114            |   | 119              |   | 121              |   |
| ZZZZZZ          | ZZZZZZ             | 1532 |                                               |   |                 |   |                |   |                  |   |                  |   |
| ZZZZZZ          | ZZZZZZ             | 1536 |                                               |   |                 |   |                |   |                  |   |                  |   |
| ZZZZZZ          | ZZZZZZ             | 1539 |                                               |   |                 |   |                |   |                  |   |                  |   |
| ZZZZZZ          | ZZZZZZ             | 1542 |                                               |   |                 |   |                |   |                  |   |                  |   |
| ZZZZZZ          | ZZZZZZ             | 1545 |                                               |   |                 |   |                |   |                  |   |                  |   |
| ZZZZZZ          | ZZZZZZ             | 1549 |                                               |   |                 |   |                |   |                  |   |                  |   |
| Q2869-01        | MW-19B-71.5        | 1552 | 110                                           |   | 128             |   | 122            |   | 128              |   | 125              |   |
| Q2869-02        | MW-19B-71.5        | 1555 | 105                                           |   | 123             |   | 118            |   | 123              |   | 122              |   |
| CCV04           | CCV04              | 1558 | 99                                            |   | 115             |   | 110            |   | 111              |   | 115              |   |
| CCB04           | CCB04              | 1610 | 89                                            |   | 101             |   | 101            |   | 108              |   | 110              |   |
| Q2869-05        | MW-19B-71.5        | 1613 | 101                                           |   | 116             |   | 114            |   | 120              |   | 124              |   |
| Q2869-06        | MW-19B-71.5        | 1616 | 101                                           |   | 118             |   | 116            |   | 123              |   | 123              |   |
| Q2869-07        | EB01-081325        | 1619 | 102                                           |   | 119             |   | 116            |   | 125              |   | 123              |   |
| Q2869-08        | EB01-081325        | 1623 | 100                                           |   | 117             |   | 113            |   | 121              |   | 119              |   |
| ZZZZZZ          | ZZZZZZ             | 1626 |                                               |   |                 |   |                |   |                  |   |                  |   |
| ZZZZZZ          | ZZZZZZ             | 1629 |                                               |   |                 |   |                |   |                  |   |                  |   |
| ZZZZZZ          | ZZZZZZ             | 1632 |                                               |   |                 |   |                |   |                  |   |                  |   |
| ZZZZZZ          | ZZZZZZ             | 1636 |                                               |   |                 |   |                |   |                  |   |                  |   |
| CCV05           | CCV05              | 1639 | 98                                            |   | 113             |   | 108            |   | 111              |   | 116              |   |
| CCB05           | CCB05              | 1650 | 95                                            |   | 109             |   | 105            |   | 111              |   | 108              |   |

Internal Standard %RI Limit: 70 - 130

FORM 8A

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: JACOBS Engineering Group, Inc.

Contract: JACO05

Lab Code: ACE

SDG No.: Q2869

Instrument ID: P7

Start Date : 08/15/2025

Run Number: LB136861

End Date : 08/15/2025

| Lab<br>SampleID | Client<br>SampleID | Time | Internal Standard %RI For: Collision Cell |   |                |   |                  |   |                  |   |                  |   |
|-----------------|--------------------|------|-------------------------------------------|---|----------------|---|------------------|---|------------------|---|------------------|---|
|                 |                    |      | Element<br>45Sc                           | Q | Element<br>89Y | Q | Element<br>103Rh | Q | Element<br>159Tb | Q | Element<br>165Ho | Q |
| S0              | S0                 | 1234 | 100                                       |   | 100            |   | 100              |   | 100              |   | 100              |   |
| S2              | S2                 | 1248 | 100                                       |   | 94             |   | 99               |   | 100              |   | 98               |   |
| S3              | S3                 | 1251 | 102                                       |   | 95             |   | 101              |   | 102              |   | 101              |   |
| S4              | S4                 | 1254 | 102                                       |   | 94             |   | 100              |   | 101              |   | 101              |   |
| S5              | S5                 | 1257 | 101                                       |   | 94             |   | 100              |   | 101              |   | 101              |   |
| S6              | S6                 | 1300 | 104                                       |   | 98             |   | 102              |   | 103              |   | 104              |   |
| S7              | S7                 | 1303 | 102                                       |   | 96             |   | 100              |   | 105              |   | 104              |   |
| S8              | S8                 | 1306 | 106                                       |   | 100            |   | 98               |   | 106              |   | 106              |   |
| ICV01           | ICV01              | 1322 | 104                                       |   | 98             |   | 104              |   | 103              |   | 103              |   |
| LLICV01         | LLICV01            | 1340 | 103                                       |   | 98             |   | 103              |   | 103              |   | 101              |   |
| ICB01           | ICB01              | 1343 | 104                                       |   | 100            |   | 105              |   | 105              |   | 103              |   |
| ICSA01          | ICSA01             | 1346 | 105                                       |   | 101            |   | 105              |   | 108              |   | 107              |   |
| ICSAB01         | ICSAB01            | 1350 | 107                                       |   | 103            |   | 107              |   | 109              |   | 109              |   |
| CCV01           | CCV01              | 1353 | 110                                       |   | 106            |   | 106              |   | 111              |   | 109              |   |
| CCB01           | CCB01              | 1356 | 104                                       |   | 100            |   | 105              |   | 103              |   | 102              |   |
| CRI             | CRI                | 1403 | 103                                       |   | 100            |   | 105              |   | 104              |   | 103              |   |
| ZZZZZZ          | ZZZZZZ             | 1410 |                                           |   |                |   |                  |   |                  |   |                  |   |
| ZZZZZZ          | ZZZZZZ             | 1413 |                                           |   |                |   |                  |   |                  |   |                  |   |
| ZZZZZZ          | ZZZZZZ             | 1419 |                                           |   |                |   |                  |   |                  |   |                  |   |
| ZZZZZZ          | ZZZZZZ             | 1423 |                                           |   |                |   |                  |   |                  |   |                  |   |
| ZZZZZZ          | ZZZZZZ             | 1426 |                                           |   |                |   |                  |   |                  |   |                  |   |
| ZZZZZZ          | ZZZZZZ             | 1429 |                                           |   |                |   |                  |   |                  |   |                  |   |
| ZZZZZZ          | ZZZZZZ             | 1432 |                                           |   |                |   |                  |   |                  |   |                  |   |
| ZZZZZZ          | ZZZZZZ             | 1435 |                                           |   |                |   |                  |   |                  |   |                  |   |
| ZZZZZZ          | ZZZZZZ             | 1438 |                                           |   |                |   |                  |   |                  |   |                  |   |
| CCV02           | CCV02              | 1441 | 108                                       |   | 105            |   | 106              |   | 109              |   | 107              |   |
| CCB02           | CCB02              | 1444 | 104                                       |   | 102            |   | 106              |   | 104              |   | 102              |   |
| ZZZZZZ          | ZZZZZZ             | 1450 |                                           |   |                |   |                  |   |                  |   |                  |   |
| ZZZZZZ          | ZZZZZZ             | 1453 |                                           |   |                |   |                  |   |                  |   |                  |   |
| ZZZZZZ          | ZZZZZZ             | 1456 |                                           |   |                |   |                  |   |                  |   |                  |   |
| ZZZZZZ          | ZZZZZZ             | 1500 |                                           |   |                |   |                  |   |                  |   |                  |   |
| Q2842-03DUP     | MW-17B-55.5        | 1503 | 117                                       |   | 113            |   | 119              |   | 117              |   | 117              |   |
| Q2842-03L       | MW-17B-55.5        | 1506 | 108                                       |   | 105            |   | 111              |   | 109              |   | 106              |   |
| Q2842-04        | MW-17B-55.5        | 1509 | 117                                       |   | 114            |   | 118              |   | 118              |   | 118              |   |
| Q2842-05        | MW-17B-55.5        | 1512 | 116                                       |   | 114            |   | 116              |   | 118              |   | 117              |   |
| Q2842-03A       | MW-17B-55.5        | 1515 | 117                                       |   | 114            |   | 119              |   | 119              |   | 119              |   |

Internal Standard %RI Limit: 70 - 130

FORM 8A

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: JACOBS Engineering Group, Inc.

Contract: JACO05

Lab Code: ACE

SDG No.: Q2869

Instrument ID: P7

Start Date : 08/15/2025

Run Number: LB136861

End Date : 08/15/2025

| Lab<br>SampleID | Client<br>SampleID | Time | Internal Standard %RI For: Collision Cell |   |                |   |                  |   |                  |   |                  |   |
|-----------------|--------------------|------|-------------------------------------------|---|----------------|---|------------------|---|------------------|---|------------------|---|
|                 |                    |      | Element<br>45Sc                           | Q | Element<br>89Y | Q | Element<br>103Rh | Q | Element<br>159Tb | Q | Element<br>165Ho | Q |
| ZZZZZZ          | ZZZZZZ             | 1518 |                                           |   |                |   |                  |   |                  |   |                  |   |
| CCV03           | CCV03              | 1521 | 108                                       |   | 105            |   | 106              |   | 110              |   | 107              |   |
| CCB03           | CCB03              | 1524 | 103                                       |   | 101            |   | 105              |   | 104              |   | 100              |   |
| Q2842-10        | MW-17B-55.5        | 1527 | 118                                       |   | 113            |   | 119              |   | 119              |   | 117              |   |
| Q2842-11        | MW-17B-55.5        | 1530 | 118                                       |   | 113            |   | 118              |   | 121              |   | 118              |   |
| ZZZZZZ          | ZZZZZZ             | 1532 |                                           |   |                |   |                  |   |                  |   |                  |   |
| ZZZZZZ          | ZZZZZZ             | 1536 |                                           |   |                |   |                  |   |                  |   |                  |   |
| ZZZZZZ          | ZZZZZZ             | 1539 |                                           |   |                |   |                  |   |                  |   |                  |   |
| ZZZZZZ          | ZZZZZZ             | 1542 |                                           |   |                |   |                  |   |                  |   |                  |   |
| ZZZZZZ          | ZZZZZZ             | 1545 |                                           |   |                |   |                  |   |                  |   |                  |   |
| ZZZZZZ          | ZZZZZZ             | 1549 |                                           |   |                |   |                  |   |                  |   |                  |   |
| Q2869-01        | MW-19B-71.5        | 1552 | 123                                       |   | 121            |   | 123              |   | 124              |   | 120              |   |
| Q2869-02        | MW-19B-71.5        | 1555 | 120                                       |   | 116            |   | 120              |   | 119              |   | 118              |   |
| CCV04           | CCV04              | 1558 | 115                                       |   | 111            |   | 110              |   | 115              |   | 113              |   |
| CCB04           | CCB04              | 1610 | 103                                       |   | 101            |   | 108              |   | 107              |   | 104              |   |
| Q2869-05        | MW-19B-71.5        | 1613 | 119                                       |   | 116            |   | 123              |   | 121              |   | 120              |   |
| Q2869-06        | MW-19B-71.5        | 1616 | 116                                       |   | 114            |   | 121              |   | 119              |   | 120              |   |
| Q2869-07        | EB01-081325        | 1619 | 118                                       |   | 113            |   | 121              |   | 120              |   | 118              |   |
| Q2869-08        | EB01-081325        | 1623 | 115                                       |   | 112            |   | 118              |   | 116              |   | 114              |   |
| ZZZZZZ          | ZZZZZZ             | 1626 |                                           |   |                |   |                  |   |                  |   |                  |   |
| ZZZZZZ          | ZZZZZZ             | 1629 |                                           |   |                |   |                  |   |                  |   |                  |   |
| ZZZZZZ          | ZZZZZZ             | 1632 |                                           |   |                |   |                  |   |                  |   |                  |   |
| ZZZZZZ          | ZZZZZZ             | 1636 |                                           |   |                |   |                  |   |                  |   |                  |   |
| CCV05           | CCV05              | 1639 | 116                                       |   | 113            |   | 113              |   | 118              |   | 117              |   |
| CCB05           | CCB05              | 1650 | 106                                       |   | 104            |   | 111              |   | 109              |   | 107              |   |

Internal Standard %RI Limit: 70 - 130

## FORM 8A

## ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: JACOBS Engineering Group, Inc.

Contract: JACO05

Lab Code: ACE

SDG No.: Q2869

Instrument ID: P7

Start Date : 08/21/2025

Run Number: LB136916

End Date : 08/21/2025

| Lab<br>SampleID | Client<br>SampleID | Time | Internal Standard %RI For: Non-Collision Cell |   |                 |   |                |   |                  |   |                  |   |
|-----------------|--------------------|------|-----------------------------------------------|---|-----------------|---|----------------|---|------------------|---|------------------|---|
|                 |                    |      | Element<br>6Li                                | Q | Element<br>45Sc | Q | Element<br>89Y | Q | Element<br>103Rh | Q | Element<br>159Tb | Q |
| S0              | S0                 | 1133 | 100                                           |   | 100             |   | 100            |   | 100              |   | 100              |   |
| S2              | S2                 | 1139 | 106                                           |   | 103             |   | 101            |   | 103              |   | 101              |   |
| S3              | S3                 | 1143 | 108                                           |   | 102             |   | 102            |   | 102              |   | 100              |   |
| S4              | S4                 | 1146 | 107                                           |   | 101             |   | 101            |   | 100              |   | 100              |   |
| S5              | S5                 | 1149 | 109                                           |   | 102             |   | 102            |   | 100              |   | 104              |   |
| S6              | S6                 | 1152 | 110                                           |   | 103             |   | 104            |   | 100              |   | 106              |   |
| S7              | S7                 | 1154 | 108                                           |   | 103             |   | 103            |   | 99               |   | 106              |   |
| S8              | S8                 | 1157 | 107                                           |   | 103             |   | 103            |   | 95               |   | 104              |   |
| ICV01           | ICV01              | 1215 | 105                                           |   | 99              |   | 98             |   | 98               |   | 98               |   |
| LLICV01         | LLICV01            | 1226 | 103                                           |   | 97              |   | 98             |   | 98               |   | 99               |   |
| ICB01           | ICB01              | 1229 | 103                                           |   | 99              |   | 100            |   | 97               |   | 98               |   |
| ICSA01          | ICSA01             | 1233 | 104                                           |   | 99              |   | 103            |   | 98               |   | 105              |   |
| ICSAB01         | ICSAB01            | 1236 | 102                                           |   | 101             |   | 103            |   | 100              |   | 104              |   |
| CCV01           | CCV01              | 1239 | 104                                           |   | 105             |   | 107            |   | 101              |   | 106              |   |
| CCB01           | CCB01              | 1244 | 99                                            |   | 102             |   | 104            |   | 103              |   | 101              |   |
| CRI             | CRI                | 1248 | 99                                            |   | 101             |   | 104            |   | 102              |   | 101              |   |
| CCV02           | CCV02              | 1340 | 107                                           |   | 103             |   | 104            |   | 98               |   | 103              |   |
| CCB02           | CCB02              | 1343 | 103                                           |   | 99              |   | 100            |   | 100              |   | 98               |   |
| PB169250BL      | PB169250BL         | 1346 | 101                                           |   | 98              |   | 99             |   | 98               |   | 98               |   |
| PB169250BS      | PB169250BS         | 1350 | 105                                           |   | 103             |   | 102            |   | 99               |   | 102              |   |
| ZZZZZZ          | ZZZZZZ             | 1352 |                                               |   |                 |   |                |   |                  |   |                  |   |
| ZZZZZZ          | ZZZZZZ             | 1356 |                                               |   |                 |   |                |   |                  |   |                  |   |
| ZZZZZZ          | ZZZZZZ             | 1358 |                                               |   |                 |   |                |   |                  |   |                  |   |
| ZZZZZZ          | ZZZZZZ             | 1402 |                                               |   |                 |   |                |   |                  |   |                  |   |
| ZZZZZZ          | ZZZZZZ             | 1405 |                                               |   |                 |   |                |   |                  |   |                  |   |
| ZZZZZZ          | ZZZZZZ             | 1408 |                                               |   |                 |   |                |   |                  |   |                  |   |
| ZZZZZZ          | ZZZZZZ             | 1411 |                                               |   |                 |   |                |   |                  |   |                  |   |
| ZZZZZZ          | ZZZZZZ             | 1414 |                                               |   |                 |   |                |   |                  |   |                  |   |
| CCV03           | CCV03              | 1432 | 103                                           |   | 107             |   | 107            |   | 99               |   | 105              |   |
| CCB03           | CCB03              | 1434 | 100                                           |   | 99              |   | 100            |   | 98               |   | 99               |   |

Internal Standard %RI Limit: 70 - 130



## FORM 8A

## ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: JACOBS Engineering Group, Inc.

Contract: JACO05

Lab Code: ACE

SDG No.: Q2869

Instrument ID: P7

Start Date : 08/21/2025

Run Number: LB136916

End Date : 08/21/2025

| Lab<br>SampleID | Client<br>SampleID | Time | Internal Standard %RI For: Collision Cell |   |                |   |                  |   |                  |   |                  |   |
|-----------------|--------------------|------|-------------------------------------------|---|----------------|---|------------------|---|------------------|---|------------------|---|
|                 |                    |      | Element<br>45Sc                           | Q | Element<br>89Y | Q | Element<br>103Rh | Q | Element<br>159Tb | Q | Element<br>165Ho | Q |
| S0              | S0                 | 1133 | 100                                       |   | 100            |   | 100              |   | 100              |   | 100              |   |
| S2              | S2                 | 1139 | 103                                       |   | 103            |   | 103              |   | 102              |   | 103              |   |
| S3              | S3                 | 1143 | 103                                       |   | 102            |   | 102              |   | 103              |   | 102              |   |
| S4              | S4                 | 1146 | 101                                       |   | 99             |   | 101              |   | 101              |   | 102              |   |
| S5              | S5                 | 1149 | 101                                       |   | 100            |   | 98               |   | 103              |   | 103              |   |
| S6              | S6                 | 1152 | 102                                       |   | 101            |   | 100              |   | 101              |   | 104              |   |
| S7              | S7                 | 1154 | 105                                       |   | 104            |   | 102              |   | 107              |   | 107              |   |
| S8              | S8                 | 1157 | 107                                       |   | 105            |   | 98               |   | 105              |   | 108              |   |
| ICV01           | ICV01              | 1215 | 99                                        |   | 97             |   | 99               |   | 98               |   | 101              |   |
| LLICV01         | LLICV01            | 1226 | 99                                        |   | 100            |   | 101              |   | 101              |   | 101              |   |
| ICB01           | ICB01              | 1229 | 97                                        |   | 100            |   | 99               |   | 100              |   | 101              |   |
| ICSA01          | ICSA01             | 1233 | 101                                       |   | 102            |   | 100              |   | 102              |   | 104              |   |
| ICSAB01         | ICSAB01            | 1236 | 104                                       |   | 103            |   | 101              |   | 105              |   | 107              |   |
| CCV01           | CCV01              | 1239 | 111                                       |   | 111            |   | 105              |   | 108              |   | 110              |   |
| CCB01           | CCB01              | 1244 | 103                                       |   | 104            |   | 105              |   | 103              |   | 104              |   |
| CRI             | CRI                | 1248 | 103                                       |   | 103            |   | 103              |   | 102              |   | 103              |   |
| CCV02           | CCV02              | 1340 | 106                                       |   | 105            |   | 99               |   | 106              |   | 108              |   |
| CCB02           | CCB02              | 1343 | 99                                        |   | 100            |   | 99               |   | 101              |   | 103              |   |
| PB169250BL      | PB169250BL         | 1346 | 98                                        |   | 98             |   | 97               |   | 97               |   | 101              |   |
| PB169250BS      | PB169250BS         | 1350 | 105                                       |   | 106            |   | 102              |   | 106              |   | 108              |   |
| ZZZZZZ          | ZZZZZZ             | 1352 |                                           |   |                |   |                  |   |                  |   |                  |   |
| ZZZZZZ          | ZZZZZZ             | 1356 |                                           |   |                |   |                  |   |                  |   |                  |   |
| ZZZZZZ          | ZZZZZZ             | 1358 |                                           |   |                |   |                  |   |                  |   |                  |   |
| ZZZZZZ          | ZZZZZZ             | 1402 |                                           |   |                |   |                  |   |                  |   |                  |   |
| ZZZZZZ          | ZZZZZZ             | 1405 |                                           |   |                |   |                  |   |                  |   |                  |   |
| ZZZZZZ          | ZZZZZZ             | 1408 |                                           |   |                |   |                  |   |                  |   |                  |   |
| ZZZZZZ          | ZZZZZZ             | 1411 |                                           |   |                |   |                  |   |                  |   |                  |   |
| ZZZZZZ          | ZZZZZZ             | 1414 |                                           |   |                |   |                  |   |                  |   |                  |   |
| CCV03           | CCV03              | 1432 | 106                                       |   | 104            |   | 99               |   | 103              |   | 107              |   |
| CCB03           | CCB03              | 1434 | 100                                       |   | 101            |   | 99               |   | 100              |   | 105              |   |

Internal Standard %RI Limit: 70 - 130

FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: JACOBS Engineering Group, Inc.

Contract: JAC005

Lab Code: ACE

SDG No.: Q2869

Instrument ID: P7

Start Date : 08/15/2025

Run Number: LB136861

End Date : 08/15/2025

| Lab<br>SampleID | Client<br>SampleID | Time | Internal Standard %RI For: Non-Collision Cell |   |                  |   |         |   |         |   |         |   |
|-----------------|--------------------|------|-----------------------------------------------|---|------------------|---|---------|---|---------|---|---------|---|
|                 |                    |      | Element<br>165Ho                              | Q | Element<br>209Bi | Q | Element | Q | Element | Q | Element | Q |
| S0              | S0                 | 1234 | 100                                           |   | 100              |   |         |   |         |   |         |   |
| S2              | S2                 | 1248 | 101                                           |   | 99               |   |         |   |         |   |         |   |
| S3              | S3                 | 1251 | 103                                           |   | 102              |   |         |   |         |   |         |   |
| S4              | S4                 | 1254 | 102                                           |   | 103              |   |         |   |         |   |         |   |
| S5              | S5                 | 1257 | 103                                           |   | 102              |   |         |   |         |   |         |   |
| S6              | S6                 | 1300 | 103                                           |   | 104              |   |         |   |         |   |         |   |
| S7              | S7                 | 1303 | 106                                           |   | 104              |   |         |   |         |   |         |   |
| S8              | S8                 | 1306 | 107                                           |   | 97               |   |         |   |         |   |         |   |
| ICV01           | ICV01              | 1322 | 102                                           |   | 101              |   |         |   |         |   |         |   |
| LLICV01         | LLICV01            | 1340 | 102                                           |   | 100              |   |         |   |         |   |         |   |
| ICB01           | ICB01              | 1343 | 102                                           |   | 102              |   |         |   |         |   |         |   |
| ICSA01          | ICSA01             | 1346 | 107                                           |   | 100              |   |         |   |         |   |         |   |
| ICSAB01         | ICSAB01            | 1350 | 108                                           |   | 101              |   |         |   |         |   |         |   |
| CCV01           | CCV01              | 1353 | 110                                           |   | 102              |   |         |   |         |   |         |   |
| CCB01           | CCB01              | 1356 | 103                                           |   | 100              |   |         |   |         |   |         |   |
| CRI             | CRI                | 1403 | 102                                           |   | 101              |   |         |   |         |   |         |   |
| ZZZZZZ          | ZZZZZZ             | 1410 |                                               |   |                  |   |         |   |         |   |         |   |
| ZZZZZZ          | ZZZZZZ             | 1413 |                                               |   |                  |   |         |   |         |   |         |   |
| ZZZZZZ          | ZZZZZZ             | 1419 |                                               |   |                  |   |         |   |         |   |         |   |
| ZZZZZZ          | ZZZZZZ             | 1423 |                                               |   |                  |   |         |   |         |   |         |   |
| ZZZZZZ          | ZZZZZZ             | 1426 |                                               |   |                  |   |         |   |         |   |         |   |
| ZZZZZZ          | ZZZZZZ             | 1429 |                                               |   |                  |   |         |   |         |   |         |   |
| ZZZZZZ          | ZZZZZZ             | 1432 |                                               |   |                  |   |         |   |         |   |         |   |
| ZZZZZZ          | ZZZZZZ             | 1435 |                                               |   |                  |   |         |   |         |   |         |   |
| ZZZZZZ          | ZZZZZZ             | 1438 |                                               |   |                  |   |         |   |         |   |         |   |
| CCV02           | CCV02              | 1441 | 108                                           |   | 100              |   |         |   |         |   |         |   |
| CCB02           | CCB02              | 1444 | 103                                           |   | 98               |   |         |   |         |   |         |   |
| ZZZZZZ          | ZZZZZZ             | 1450 |                                               |   |                  |   |         |   |         |   |         |   |
| ZZZZZZ          | ZZZZZZ             | 1453 |                                               |   |                  |   |         |   |         |   |         |   |
| ZZZZZZ          | ZZZZZZ             | 1456 |                                               |   |                  |   |         |   |         |   |         |   |
| ZZZZZZ          | ZZZZZZ             | 1500 |                                               |   |                  |   |         |   |         |   |         |   |
| Q2842-03DUP     | MW-17B-55.5-       | 1503 | 116                                           |   | 110              |   |         |   |         |   |         |   |
| Q2842-03L       | MW-17B-55.5-       | 1506 | 103                                           |   | 102              |   |         |   |         |   |         |   |
| Q2842-04        | MW-17B-55.5-       | 1509 | 117                                           |   | 112              |   |         |   |         |   |         |   |

Internal Standard %RI Limit: 70 -130

FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: JACOBS Engineering Group, Inc.

Contract: JAC005

Lab Code: ACE

SDG No.: Q2869

Instrument ID: P7

Start Date : 08/15/2025

Run Number: LB136861

End Date : 08/15/2025

| Lab<br>SampleID | Client<br>SampleID | Time | Internal Standard %RI For: Non-Collision Cell |   |                  |   |         |   |         |   |         |   |
|-----------------|--------------------|------|-----------------------------------------------|---|------------------|---|---------|---|---------|---|---------|---|
|                 |                    |      | Element<br>165Ho                              | Q | Element<br>209Bi | Q | Element | Q | Element | Q | Element | Q |
| Q2842-05        | MW-17B-55.5-       | 1512 | 116                                           |   | 110              |   |         |   |         |   |         |   |
| Q2842-03A       | MW-17B-55.5-       | 1515 | 118                                           |   | 112              |   |         |   |         |   |         |   |
| ZZZZZZ          | ZZZZZZ             | 1518 |                                               |   |                  |   |         |   |         |   |         |   |
| CCV03           | CCV03              | 1521 | 107                                           |   | 97               |   |         |   |         |   |         |   |
| CCB03           | CCB03              | 1524 | 101                                           |   | 99               |   |         |   |         |   |         |   |
| Q2842-10        | MW-17B-55.5-       | 1527 | 119                                           |   | 114              |   |         |   |         |   |         |   |
| Q2842-11        | MW-17B-55.5-       | 1530 | 119                                           |   | 115              |   |         |   |         |   |         |   |
| ZZZZZZ          | ZZZZZZ             | 1532 |                                               |   |                  |   |         |   |         |   |         |   |
| ZZZZZZ          | ZZZZZZ             | 1536 |                                               |   |                  |   |         |   |         |   |         |   |
| ZZZZZZ          | ZZZZZZ             | 1539 |                                               |   |                  |   |         |   |         |   |         |   |
| ZZZZZZ          | ZZZZZZ             | 1542 |                                               |   |                  |   |         |   |         |   |         |   |
| ZZZZZZ          | ZZZZZZ             | 1545 |                                               |   |                  |   |         |   |         |   |         |   |
| ZZZZZZ          | ZZZZZZ             | 1549 |                                               |   |                  |   |         |   |         |   |         |   |
| Q2869-01        | MW-19B-71.5-       | 1552 | 123                                           |   | 120              |   |         |   |         |   |         |   |
| Q2869-02        | MW-19B-71.5-       | 1555 | 120                                           |   | 114              |   |         |   |         |   |         |   |
| CCV04           | CCV04              | 1558 | 112                                           |   | 105              |   |         |   |         |   |         |   |
| CCB04           | CCB04              | 1610 | 108                                           |   | 105              |   |         |   |         |   |         |   |
| Q2869-05        | MW-19B-71.5-       | 1613 | 120                                           |   | 119              |   |         |   |         |   |         |   |
| Q2869-06        | MW-19B-71.5-       | 1616 | 120                                           |   | 116              |   |         |   |         |   |         |   |
| Q2869-07        | EB01-081325        | 1619 | 120                                           |   | 120              |   |         |   |         |   |         |   |
| Q2869-08        | EB01-081325        | 1623 | 117                                           |   | 116              |   |         |   |         |   |         |   |
| ZZZZZZ          | ZZZZZZ             | 1626 |                                               |   |                  |   |         |   |         |   |         |   |
| ZZZZZZ          | ZZZZZZ             | 1629 |                                               |   |                  |   |         |   |         |   |         |   |
| ZZZZZZ          | ZZZZZZ             | 1632 |                                               |   |                  |   |         |   |         |   |         |   |
| ZZZZZZ          | ZZZZZZ             | 1636 |                                               |   |                  |   |         |   |         |   |         |   |
| CCV05           | CCV05              | 1639 | 114                                           |   | 106              |   |         |   |         |   |         |   |
| CCB05           | CCB05              | 1650 | 107                                           |   | 108              |   |         |   |         |   |         |   |

Internal Standard %RI Limit: 70 -130

## FORM 8B

## ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: JACOBS Engineering Group, Inc.

Contract: JAC005

Lab Code: ACE

SDG No.: Q2869

Instrument ID: P7

Start Date : 08/15/2025

Run Number: LB136861

End Date : 08/15/2025

| Lab<br>SampleID | Client<br>SampleID | Time | Internal Standard %RI For: Collision Cell |   |         |   |         |   |         |   |         |   |
|-----------------|--------------------|------|-------------------------------------------|---|---------|---|---------|---|---------|---|---------|---|
|                 |                    |      | Element<br>209Bi                          | Q | Element | Q | Element | Q | Element | Q | Element | Q |
| S0              | S0                 | 1234 | 100                                       |   |         |   |         |   |         |   |         |   |
| S2              | S2                 | 1248 | 99                                        |   |         |   |         |   |         |   |         |   |
| S3              | S3                 | 1251 | 101                                       |   |         |   |         |   |         |   |         |   |
| S4              | S4                 | 1254 | 101                                       |   |         |   |         |   |         |   |         |   |
| S5              | S5                 | 1257 | 100                                       |   |         |   |         |   |         |   |         |   |
| S6              | S6                 | 1300 | 103                                       |   |         |   |         |   |         |   |         |   |
| S7              | S7                 | 1303 | 101                                       |   |         |   |         |   |         |   |         |   |
| S8              | S8                 | 1306 | 96                                        |   |         |   |         |   |         |   |         |   |
| ICV01           | ICV01              | 1322 | 103                                       |   |         |   |         |   |         |   |         |   |
| LLICV01         | LLICV01            | 1340 | 103                                       |   |         |   |         |   |         |   |         |   |
| ICB01           | ICB01              | 1343 | 103                                       |   |         |   |         |   |         |   |         |   |
| ICSA01          | ICSA01             | 1346 | 102                                       |   |         |   |         |   |         |   |         |   |
| ICSAB01         | ICSAB01            | 1350 | 104                                       |   |         |   |         |   |         |   |         |   |
| CCV01           | CCV01              | 1353 | 101                                       |   |         |   |         |   |         |   |         |   |
| CCB01           | CCB01              | 1356 | 102                                       |   |         |   |         |   |         |   |         |   |
| CRI             | CRI                | 1403 | 103                                       |   |         |   |         |   |         |   |         |   |
| ZZZZZZ          | ZZZZZZ             | 1410 |                                           |   |         |   |         |   |         |   |         |   |
| ZZZZZZ          | ZZZZZZ             | 1413 |                                           |   |         |   |         |   |         |   |         |   |
| ZZZZZZ          | ZZZZZZ             | 1419 |                                           |   |         |   |         |   |         |   |         |   |
| ZZZZZZ          | ZZZZZZ             | 1423 |                                           |   |         |   |         |   |         |   |         |   |
| ZZZZZZ          | ZZZZZZ             | 1426 |                                           |   |         |   |         |   |         |   |         |   |
| ZZZZZZ          | ZZZZZZ             | 1429 |                                           |   |         |   |         |   |         |   |         |   |
| ZZZZZZ          | ZZZZZZ             | 1432 |                                           |   |         |   |         |   |         |   |         |   |
| ZZZZZZ          | ZZZZZZ             | 1435 |                                           |   |         |   |         |   |         |   |         |   |
| ZZZZZZ          | ZZZZZZ             | 1438 |                                           |   |         |   |         |   |         |   |         |   |
| CCV02           | CCV02              | 1441 | 101                                       |   |         |   |         |   |         |   |         |   |
| CCB02           | CCB02              | 1444 | 101                                       |   |         |   |         |   |         |   |         |   |
| ZZZZZZ          | ZZZZZZ             | 1450 |                                           |   |         |   |         |   |         |   |         |   |
| ZZZZZZ          | ZZZZZZ             | 1453 |                                           |   |         |   |         |   |         |   |         |   |
| ZZZZZZ          | ZZZZZZ             | 1456 |                                           |   |         |   |         |   |         |   |         |   |
| ZZZZZZ          | ZZZZZZ             | 1500 |                                           |   |         |   |         |   |         |   |         |   |
| Q2842-03DUP     | MW-17B-55.5        | 1503 | 114                                       |   |         |   |         |   |         |   |         |   |
| Q2842-03L       | MW-17B-55.5        | 1506 | 105                                       |   |         |   |         |   |         |   |         |   |
| Q2842-04        | MW-17B-55.5        | 1509 | 114                                       |   |         |   |         |   |         |   |         |   |

Internal Standard %RI Limit: 70 -130

FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: JACOBS Engineering Group, Inc.

Contract: JAC005

Lab Code: ACE

SDG No.: Q2869

Instrument ID: P7

Start Date : 08/15/2025

Run Number: LB136861

End Date : 08/15/2025

| Lab<br>SampleID | Client<br>SampleID | Time | Internal Standard %RI For: Collision Cell |   |         |   |         |   |         |   |         |   |
|-----------------|--------------------|------|-------------------------------------------|---|---------|---|---------|---|---------|---|---------|---|
|                 |                    |      | Element<br>209Bi                          | Q | Element | Q | Element | Q | Element | Q | Element | Q |
| Q2842-05        | MW-17B-55.5-       | 1512 | 113                                       |   |         |   |         |   |         |   |         |   |
| Q2842-03A       | MW-17B-55.5-       | 1515 | 113                                       |   |         |   |         |   |         |   |         |   |
| ZZZZZZ          | ZZZZZZ             | 1518 |                                           |   |         |   |         |   |         |   |         |   |
| CCV03           | CCV03              | 1521 | 100                                       |   |         |   |         |   |         |   |         |   |
| CCB03           | CCB03              | 1524 | 100                                       |   |         |   |         |   |         |   |         |   |
| Q2842-10        | MW-17B-55.5-       | 1527 | 116                                       |   |         |   |         |   |         |   |         |   |
| Q2842-11        | MW-17B-55.5-       | 1530 | 115                                       |   |         |   |         |   |         |   |         |   |
| ZZZZZZ          | ZZZZZZ             | 1532 |                                           |   |         |   |         |   |         |   |         |   |
| ZZZZZZ          | ZZZZZZ             | 1536 |                                           |   |         |   |         |   |         |   |         |   |
| ZZZZZZ          | ZZZZZZ             | 1539 |                                           |   |         |   |         |   |         |   |         |   |
| ZZZZZZ          | ZZZZZZ             | 1542 |                                           |   |         |   |         |   |         |   |         |   |
| ZZZZZZ          | ZZZZZZ             | 1545 |                                           |   |         |   |         |   |         |   |         |   |
| ZZZZZZ          | ZZZZZZ             | 1549 |                                           |   |         |   |         |   |         |   |         |   |
| Q2869-01        | MW-19B-71.5-       | 1552 | 120                                       |   |         |   |         |   |         |   |         |   |
| Q2869-02        | MW-19B-71.5-       | 1555 | 116                                       |   |         |   |         |   |         |   |         |   |
| CCV04           | CCV04              | 1558 | 106                                       |   |         |   |         |   |         |   |         |   |
| CCB04           | CCB04              | 1610 | 106                                       |   |         |   |         |   |         |   |         |   |
| Q2869-05        | MW-19B-71.5-       | 1613 | 118                                       |   |         |   |         |   |         |   |         |   |
| Q2869-06        | MW-19B-71.5-       | 1616 | 116                                       |   |         |   |         |   |         |   |         |   |
| Q2869-07        | EB01-081325        | 1619 | 119                                       |   |         |   |         |   |         |   |         |   |
| Q2869-08        | EB01-081325        | 1623 | 116                                       |   |         |   |         |   |         |   |         |   |
| ZZZZZZ          | ZZZZZZ             | 1626 |                                           |   |         |   |         |   |         |   |         |   |
| ZZZZZZ          | ZZZZZZ             | 1629 |                                           |   |         |   |         |   |         |   |         |   |
| ZZZZZZ          | ZZZZZZ             | 1632 |                                           |   |         |   |         |   |         |   |         |   |
| ZZZZZZ          | ZZZZZZ             | 1636 |                                           |   |         |   |         |   |         |   |         |   |
| CCV05           | CCV05              | 1639 | 110                                       |   |         |   |         |   |         |   |         |   |
| CCB05           | CCB05              | 1650 | 108                                       |   |         |   |         |   |         |   |         |   |

Internal Standard %RI Limit: 70 -130

FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: JACOBS Engineering Group, Inc.

Contract: JAC005

Lab Code: ACE

SDG No.: Q2869

Instrument ID: P7

Start Date : 08/21/2025

Run Number: LB136916

End Date : 08/21/2025

| Lab<br>SampleID | Client<br>SampleID | Time | Internal Standard %RI For: Non-Collision Cell |   |                  |   |         |   |         |   |         |   |
|-----------------|--------------------|------|-----------------------------------------------|---|------------------|---|---------|---|---------|---|---------|---|
|                 |                    |      | Element<br>165Ho                              | Q | Element<br>209Bi | Q | Element | Q | Element | Q | Element | Q |
| S0              | S0                 | 1133 | 100                                           |   | 100              |   |         |   |         |   |         |   |
| S2              | S2                 | 1139 | 102                                           |   | 104              |   |         |   |         |   |         |   |
| S3              | S3                 | 1143 | 101                                           |   | 104              |   |         |   |         |   |         |   |
| S4              | S4                 | 1146 | 103                                           |   | 106              |   |         |   |         |   |         |   |
| S5              | S5                 | 1149 | 103                                           |   | 106              |   |         |   |         |   |         |   |
| S6              | S6                 | 1152 | 104                                           |   | 105              |   |         |   |         |   |         |   |
| S7              | S7                 | 1154 | 106                                           |   | 105              |   |         |   |         |   |         |   |
| S8              | S8                 | 1157 | 103                                           |   | 98               |   |         |   |         |   |         |   |
| ICV01           | ICV01              | 1215 | 99                                            |   | 101              |   |         |   |         |   |         |   |
| LLICV01         | LLICV01            | 1226 | 99                                            |   | 101              |   |         |   |         |   |         |   |
| ICB01           | ICB01              | 1229 | 99                                            |   | 102              |   |         |   |         |   |         |   |
| ICSA01          | ICSA01             | 1233 | 105                                           |   | 103              |   |         |   |         |   |         |   |
| ICSAB01         | ICSAB01            | 1236 | 106                                           |   | 102              |   |         |   |         |   |         |   |
| CCV01           | CCV01              | 1239 | 107                                           |   | 104              |   |         |   |         |   |         |   |
| CCB01           | CCB01              | 1244 | 101                                           |   | 104              |   |         |   |         |   |         |   |
| CRI             | CRI                | 1248 | 103                                           |   | 103              |   |         |   |         |   |         |   |
| CCV02           | CCV02              | 1340 | 106                                           |   | 102              |   |         |   |         |   |         |   |
| CCB02           | CCB02              | 1343 | 102                                           |   | 101              |   |         |   |         |   |         |   |
| PB169250BL      | PB169250BL         | 1346 | 99                                            |   | 99               |   |         |   |         |   |         |   |
| PB169250BS      | PB169250BS         | 1350 | 104                                           |   | 102              |   |         |   |         |   |         |   |
| ZZZZZZ          | ZZZZZZ             | 1352 |                                               |   |                  |   |         |   |         |   |         |   |
| ZZZZZZ          | ZZZZZZ             | 1356 |                                               |   |                  |   |         |   |         |   |         |   |
| ZZZZZZ          | ZZZZZZ             | 1358 |                                               |   |                  |   |         |   |         |   |         |   |
| ZZZZZZ          | ZZZZZZ             | 1402 |                                               |   |                  |   |         |   |         |   |         |   |
| ZZZZZZ          | ZZZZZZ             | 1405 |                                               |   |                  |   |         |   |         |   |         |   |
| ZZZZZZ          | ZZZZZZ             | 1408 |                                               |   |                  |   |         |   |         |   |         |   |
| ZZZZZZ          | ZZZZZZ             | 1411 |                                               |   |                  |   |         |   |         |   |         |   |
| ZZZZZZ          | ZZZZZZ             | 1414 |                                               |   |                  |   |         |   |         |   |         |   |
| CCV03           | CCV03              | 1432 | 109                                           |   | 100              |   |         |   |         |   |         |   |
| CCB03           | CCB03              | 1434 | 100                                           |   | 99               |   |         |   |         |   |         |   |

Internal Standard %RI Limit: 70 -130

FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: JACOBS Engineering Group, Inc.

Contract: JAC005

Lab Code: ACE

SDG No.: Q2869

Instrument ID: P7

Start Date : 08/21/2025

Run Number: LB136916

End Date : 08/21/2025

| Lab<br>SampleID | Client<br>SampleID | Time | Internal Standard %RI For: Collision Cell |   |         |   |         |   |         |   |         |   |
|-----------------|--------------------|------|-------------------------------------------|---|---------|---|---------|---|---------|---|---------|---|
|                 |                    |      | Element<br>209Bi                          | Q | Element | Q | Element | Q | Element | Q | Element | Q |
| S0              | S0                 | 1133 | 100                                       |   |         |   |         |   |         |   |         |   |
| S2              | S2                 | 1139 | 104                                       |   |         |   |         |   |         |   |         |   |
| S3              | S3                 | 1143 | 104                                       |   |         |   |         |   |         |   |         |   |
| S4              | S4                 | 1146 | 102                                       |   |         |   |         |   |         |   |         |   |
| S5              | S5                 | 1149 | 102                                       |   |         |   |         |   |         |   |         |   |
| S6              | S6                 | 1152 | 103                                       |   |         |   |         |   |         |   |         |   |
| S7              | S7                 | 1154 | 103                                       |   |         |   |         |   |         |   |         |   |
| S8              | S8                 | 1157 | 99                                        |   |         |   |         |   |         |   |         |   |
| ICV01           | ICV01              | 1215 | 101                                       |   |         |   |         |   |         |   |         |   |
| LLICV01         | LLICV01            | 1226 | 102                                       |   |         |   |         |   |         |   |         |   |
| ICB01           | ICB01              | 1229 | 103                                       |   |         |   |         |   |         |   |         |   |
| ICSA01          | ICSA01             | 1233 | 101                                       |   |         |   |         |   |         |   |         |   |
| ICSAB01         | ICSAB01            | 1236 | 101                                       |   |         |   |         |   |         |   |         |   |
| CCV01           | CCV01              | 1239 | 103                                       |   |         |   |         |   |         |   |         |   |
| CCB01           | CCB01              | 1244 | 104                                       |   |         |   |         |   |         |   |         |   |
| CRI             | CRI                | 1248 | 103                                       |   |         |   |         |   |         |   |         |   |
| CCV02           | CCV02              | 1340 | 102                                       |   |         |   |         |   |         |   |         |   |
| CCB02           | CCB02              | 1343 | 102                                       |   |         |   |         |   |         |   |         |   |
| PB169250BL      | PB169250BL         | 1346 | 100                                       |   |         |   |         |   |         |   |         |   |
| PB169250BS      | PB169250BS         | 1350 | 103                                       |   |         |   |         |   |         |   |         |   |
| ZZZZZZ          | ZZZZZZ             | 1352 |                                           |   |         |   |         |   |         |   |         |   |
| ZZZZZZ          | ZZZZZZ             | 1356 |                                           |   |         |   |         |   |         |   |         |   |
| ZZZZZZ          | ZZZZZZ             | 1358 |                                           |   |         |   |         |   |         |   |         |   |
| ZZZZZZ          | ZZZZZZ             | 1402 |                                           |   |         |   |         |   |         |   |         |   |
| ZZZZZZ          | ZZZZZZ             | 1405 |                                           |   |         |   |         |   |         |   |         |   |
| ZZZZZZ          | ZZZZZZ             | 1408 |                                           |   |         |   |         |   |         |   |         |   |
| ZZZZZZ          | ZZZZZZ             | 1411 |                                           |   |         |   |         |   |         |   |         |   |
| ZZZZZZ          | ZZZZZZ             | 1414 |                                           |   |         |   |         |   |         |   |         |   |
| CCV03           | CCV03              | 1432 | 97                                        |   |         |   |         |   |         |   |         |   |
| CCB03           | CCB03              | 1434 | 99                                        |   |         |   |         |   |         |   |         |   |

Internal Standard %RI Limit: 70 -130

**Metals**  
**-9 -**  
**ICP SERIAL DILUTIONS**

SAMPLE NO.

MW-17B-55.5-08122025L

**Lab Name:** Alliance **Contract:** JACO05  
**Lab Code:** ACE **Lb No.:** lb136861 **Lab Sample ID :** Q2842-03L **SDG No.:** Q2869  
**Matrix (soil/water):** Water **Level (low/med):** LOW  
**Concentration Units:** ug/L

| Analyte   | Initial Sample Result (I) |   | Serial Dilution Result (S) |   | % Differ-<br>ence | Q | M |
|-----------|---------------------------|---|----------------------------|---|-------------------|---|---|
|           |                           | C |                            | C |                   |   |   |
| Aluminum  | 31.8                      |   | 22.0                       | J | 31                |   | P |
| Antimony  | 0.22                      | J | 10.0                       | U | 100.0             |   | P |
| Arsenic   | 0.63                      | J | 0.60                       | J | 5                 |   | P |
| Barium    | 448                       |   | 455                        |   | 2                 |   | P |
| Beryllium | 1.00                      | U | 5.00                       | U |                   |   | P |
| Cadmium   | 1.00                      | U | 5.00                       | U |                   |   | P |
| Calcium   | 29600                     |   | 30700                      |   | 4                 |   | P |
| Chromium  | 2.00                      | U | 10.0                       | U |                   |   | P |
| Cobalt    | 8.23                      |   | 8.25                       |   | 0                 |   | P |
| Copper    | 2.00                      | U | 10.0                       | U |                   |   | P |
| Iron      | 7590                      |   | 7950                       |   | 5                 |   | P |
| Lead      | 0.61                      | J | 5.00                       | U | 100.0             |   | P |
| Magnesium | 9260                      |   | 9290                       |   | 0                 |   | P |
| Manganese | 618                       |   | 629                        |   | 2                 |   | P |
| Nickel    | 11.3                      |   | 11.7                       |   | 4                 |   | P |
| Potassium | 7950                      |   | 8440                       |   | 6                 |   | P |
| Selenium  | 5.00                      | U | 25.0                       | U |                   |   | P |
| Silver    | 1.00                      | U | 5.00                       | U |                   |   | P |
| Sodium    | 6170                      |   | 6250                       |   | 1                 |   | P |
| Thallium  | 0.21                      | J | 5.00                       | U | 100.0             |   | P |
| Vanadium  | 0.29                      | J | 25.0                       | U | 100.0             |   | P |
| Zinc      | 3.08                      | J | 25.0                       | U | 100.0             |   | P |



**Metals**  
**-9 -**  
**ICP SERIAL DILUTIONS**

**SAMPLE NO.**

MW-19B-71.5-081325L

**Lab Name:** Alliance **Contract:** JACO05  
**Lab Code:** ACE **Lb No.:** lb136901 **Lab Sample ID :** Q2869-01L **SDG No.:** Q2869  
**Matrix (soil/water):** Water **Level (low/med):** LOW  
**Concentration Units:** ug/L

| Analyte | Initial Sample<br>Result (I)<br>C | Serial Dilution<br>Result (S)<br>C | % Differ-<br>ence | Q | M  |
|---------|-----------------------------------|------------------------------------|-------------------|---|----|
| Mercury | 0.20 U                            | 1.00 U                             |                   |   | CV |

**metals**  
**- 14 -**  
**ANALYSIS RUN LOG**

**Client:** JACOBS Engineering Group, Inc.

**Contract:** JACO05

**Lab code:** ACE

**Sdg no.:** Q2869

**Instrument id number:**      **Method:**
**Run number:** LB136861

**Start date:** 08/15/2025      **End date:** 08/15/2025

| Lab sample id. | Client Sample Id        | d/f | Time | Parameter list                                                  |
|----------------|-------------------------|-----|------|-----------------------------------------------------------------|
| S0             | S0                      | 1   | 1234 | Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| S2             | S2                      | 1   | 1248 | Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| S3             | S3                      | 1   | 1251 | Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| S4             | S4                      | 1   | 1254 | Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| S5             | S5                      | 1   | 1257 | Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| S6             | S6                      | 1   | 1300 | Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| S7             | S7                      | 1   | 1303 | Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| S8             | S8                      | 1   | 1306 | Fe,Al,Ca,K,Mg,Na                                                |
| ICV01          | ICV01                   | 1   | 1322 | Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| LLICV01        | LLICV01                 | 1   | 1340 | Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| ICB01          | ICB01                   | 1   | 1343 | Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| ICSA01         | ICSA01                  | 1   | 1346 | Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| ICSAB01        | ICSAB01                 | 1   | 1350 | Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCV01          | CCV01                   | 1   | 1353 | Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCB01          | CCB01                   | 1   | 1356 | Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CRI            | CRI                     | 1   | 1403 | Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCV02          | CCV02                   | 1   | 1441 | Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCB02          | CCB02                   | 1   | 1444 | Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| Q2842-03DUP    | MW-17B-55.5-08122025DUP | 1   | 1503 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| Q2842-03L      | MW-17B-55.5-08122025L   | 5   | 1506 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| Q2842-04       | MW-17B-55.5-08122025MS  | 1   | 1509 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| Q2842-05       | MW-17B-55.5-08122025MSD | 1   | 1512 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| Q2842-03A      | MW-17B-55.5-08122025A   | 1   | 1515 | Ag                                                              |
| CCV03          | CCV03                   | 1   | 1521 | Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCB03          | CCB03                   | 1   | 1524 | Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| Q2842-10       | MW-17B-55.5-08122025MS  | 1   | 1527 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| Q2842-11       | MW-17B-55.5-08122025MSD | 1   | 1530 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| Q2869-01       | MW-19B-71.5-081325      | 1   | 1552 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| Q2869-02       | MW-19B-71.5-081325      | 1   | 1555 | Fe                                                              |
| CCV04          | CCV04                   | 1   | 1558 | Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCB04          | CCB04                   | 1   | 1610 | Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| Q2869-05       | MW-19B-71.5-081325-FD   | 1   | 1613 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| Q2869-06       | MW-19B-71.5-081325-FD   | 1   | 1616 | Fe                                                              |
| Q2869-07       | EB01-081325             | 1   | 1619 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| Q2869-08       | EB01-081325             | 1   | 1623 | Fe                                                              |
| CCV05          | CCV05                   | 1   | 1639 | Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCB05          | CCB05                   | 1   | 1650 | Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |

**metals**  
**- 14 -**  
**ANALYSIS RUN LOG**

**Client:** JACOBS Engineering Group, Inc.

**Contract:** JACO05

**Lab code:** ACE

**Sdg no.:** Q2869

**Instrument id number:** \_\_\_\_\_ **Method:** \_\_\_\_\_

**Run number:** LB136901

**Start date:** 08/21/2025 **End date:** 08/21/2025

| Lab sample id. | Client Sample Id      | d/f | Time | Parameter list |
|----------------|-----------------------|-----|------|----------------|
| S0             | S0                    | 1   | 0841 | HG             |
| S0.2           | S0.2                  | 1   | 0844 | HG             |
| S2.5           | S2.5                  | 1   | 0846 | HG             |
| S5             | S5                    | 1   | 0848 | HG             |
| S7.5           | S7.5                  | 1   | 0851 | HG             |
| S10            | S10                   | 1   | 0856 | HG             |
| ICV27          | ICV27                 | 1   | 0859 | HG             |
| ICB27          | ICB27                 | 1   | 0901 | HG             |
| CCV84          | CCV84                 | 1   | 0903 | HG             |
| CCB84          | CCB84                 | 1   | 0905 | HG             |
| CRA            | CRA                   | 1   | 0908 | HG             |
| PB169327BL     | PB169327BL            | 1   | 0914 | HG             |
| PB169327BS     | PB169327BS            | 1   | 0919 | HG             |
| Q2869-01       | MW-19B-71.5-081325    | 1   | 0922 | HG             |
| Q2869-01DUP    | MW-19B-71.5-081325DUP | 1   | 0924 | HG             |
| Q2869-01MS     | MW-19B-71.5-081325MS  | 1   | 0926 | HG             |
| Q2869-01MSD    | MW-19B-71.5-081325MSD | 1   | 0931 | HG             |
| Q2869-05       | MW-19B-71.5-081325-FD | 1   | 0933 | HG             |
| CCV85          | CCV85                 | 1   | 0936 | HG             |
| CCB85          | CCB85                 | 1   | 0938 | HG             |
| Q2869-07       | EB01-081325           | 1   | 0940 | HG             |
| Q2869-01L      | MW-19B-71.5-081325L   | 5   | 1002 | HG             |
| CCV86          | CCV86                 | 1   | 1012 | HG             |
| CCB86          | CCB86                 | 1   | 1014 | HG             |

**metals**  
**- 14 -**  
**ANALYSIS RUN LOG**

**Client:** JACOBS Engineering Group, Inc.

**Contract:** JACO05

**Lab code:** ACE

**Sdg no.:** Q2869

**Instrument id number:** **Method:**

**Run number:** LB136916

**Start date:** 08/21/2025 **End date:** 08/21/2025

| Lab sample id. | Client Sample Id | d/f | Time | Parameter list                                                  |
|----------------|------------------|-----|------|-----------------------------------------------------------------|
| S0             | S0               | 1   | 1133 | Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| S2             | S2               | 1   | 1139 | Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| S3             | S3               | 1   | 1143 | Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| S4             | S4               | 1   | 1146 | Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| S5             | S5               | 1   | 1149 | Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| S6             | S6               | 1   | 1152 | Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| S7             | S7               | 1   | 1154 | Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| S8             | S8               | 1   | 1157 | Fe,Al,Ca,K,Mg,Na                                                |
| ICV01          | ICV01            | 1   | 1215 | Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| LLICV01        | LLICV01          | 1   | 1226 | Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| ICB01          | ICB01            | 1   | 1229 | Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| ICSA01         | ICSA01           | 1   | 1233 | Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| ICSAB01        | ICSAB01          | 1   | 1236 | Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCV01          | CCV01            | 1   | 1239 | Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCB01          | CCB01            | 1   | 1244 | Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CRI            | CRI              | 1   | 1248 | Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCV02          | CCV02            | 1   | 1340 | Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCB02          | CCB02            | 1   | 1343 | Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| PB169250BL     | PB169250BL       | 1   | 1346 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| PB169250BS     | PB169250BS       | 1   | 1350 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCV03          | CCV03            | 1   | 1432 | Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCB03          | CCB03            | 1   | 1434 | Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCV04          | CCV04            | 1   | 1512 | Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCB04          | CCB04            | 1   | 1518 | Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |



# METAL PREPARATION & INSTRUMENT DATA

## LAB CHRONICLE

|                 |                                |                   |                                           |
|-----------------|--------------------------------|-------------------|-------------------------------------------|
| <b>OrderID:</b> | Q2869                          | <b>OrderDate:</b> | 8/14/2025 9:15:00 AM                      |
| <b>Client:</b>  | JACOBS Engineering Group, Inc. | <b>Project:</b>   | Former Schlumberger STC PTC Site D3868221 |
| <b>Contact:</b> | John Ynfante                   | <b>Location:</b>  | J31,VOA Lab                               |

| LabID           | ClientID                          | Matrix       | Test                      | Method         | Sample Date     | Prep Date            | Anal Date            | Received        |
|-----------------|-----------------------------------|--------------|---------------------------|----------------|-----------------|----------------------|----------------------|-----------------|
| <b>Q2869-01</b> | <b>MW-19B-71.5-081325</b>         | <b>Water</b> | Mercury<br>Metals ICP-TAL | 7470A<br>6020B | <b>08/13/25</b> | 08/20/25<br>08/14/25 | 08/21/25<br>08/15/25 | <b>08/13/25</b> |
| <b>Q2869-02</b> | <b>MW-19B-71.5-081325</b>         | <b>Water</b> | Dissolved ICP-Group2      | 6020B          | <b>08/13/25</b> | 08/14/25             | 08/15/25             | <b>08/13/25</b> |
| <b>Q2869-05</b> | <b>MW-19B-71.5-081325<br/>-FD</b> | <b>Water</b> | Mercury<br>Metals ICP-TAL | 7470A<br>6020B | <b>08/13/25</b> | 08/20/25<br>08/14/25 | 08/21/25<br>08/15/25 | <b>08/13/25</b> |
| <b>Q2869-06</b> | <b>MW-19B-71.5-081325<br/>-FD</b> | <b>Water</b> | Dissolved ICP-Group2      | 6020B          | <b>08/13/25</b> | 08/14/25             | 08/15/25             | <b>08/13/25</b> |
| <b>Q2869-07</b> | <b>EB01-081325</b>                | <b>Water</b> | Mercury<br>Metals ICP-TAL | 7470A<br>6020B | <b>08/13/25</b> | 08/20/25<br>08/14/25 | 08/21/25<br>08/15/25 | <b>08/13/25</b> |
| <b>Q2869-08</b> | <b>EB01-081325</b>                | <b>Water</b> | Dissolved ICP-Group2      | 6020B          | <b>08/13/25</b> | 08/14/25             | 08/15/25             | <b>08/13/25</b> |



# METAL PREPARATION & ANALYICAL SUMMARY

**Metals**  
**- 13 -**

**SAMPLE PREPARATION SUMMARY**

**Client:** JACOBS Engineering Group, Inc. **SDG No.:** Q2869  
**Contract:** JACO05 **Lab Code:** ACE **Method:** \_\_\_\_\_

| Sample ID                     | Client ID               | Sample Type | Matrix | Prep Date  | Initial Sample Size(mL) | Final Sample Volume (mL) | Percent Solids |
|-------------------------------|-------------------------|-------------|--------|------------|-------------------------|--------------------------|----------------|
| <b>Batch Number: PB169250</b> |                         |             |        |            |                         |                          |                |
| PB169250BL                    | PB169250BL              | MB          | WATER  | 08/14/2025 | 50.0                    | 50.0                     |                |
| PB169250BS                    | PB169250BS              | LCS         | WATER  | 08/14/2025 | 50.0                    | 50.0                     |                |
| Q2842-03DUP                   | MW-17B-55.5-08122025DUP | DUP         | WATER  | 08/14/2025 | 50.0                    | 50.0                     |                |
| Q2842-04                      | MW-17B-55.5-08122025MS  | MS          | WATER  | 08/14/2025 | 50.0                    | 50.0                     |                |
| Q2842-05                      | MW-17B-55.5-08122025MSD | MSD         | WATER  | 08/14/2025 | 50.0                    | 50.0                     |                |
| Q2842-10                      | MW-17B-55.5-08122025MS  | MS          | WATER  | 08/14/2025 | 50.0                    | 50.0                     |                |
| Q2842-11                      | MW-17B-55.5-08122025MSD | MSD         | WATER  | 08/14/2025 | 50.0                    | 50.0                     |                |
| Q2869-01                      | MW-19B-71.5-081325      | SAM         | WATER  | 08/14/2025 | 50.0                    | 50.0                     |                |
| Q2869-02                      | MW-19B-71.5-081325      | SAM         | WATER  | 08/14/2025 | 50.0                    | 50.0                     |                |
| Q2869-05                      | MW-19B-71.5-081325-FD   | SAM         | WATER  | 08/14/2025 | 50.0                    | 50.0                     |                |
| Q2869-06                      | MW-19B-71.5-081325-FD   | SAM         | WATER  | 08/14/2025 | 50.0                    | 50.0                     |                |
| Q2869-07                      | EB01-081325             | SAM         | WATER  | 08/14/2025 | 50.0                    | 50.0                     |                |
| Q2869-08                      | EB01-081325             | SAM         | WATER  | 08/14/2025 | 50.0                    | 50.0                     |                |



**Metals**  
**- 13 -**

**SAMPLE PREPARATION SUMMARY**

**Client:** JACOBS Engineering Group, Inc. **SDG No.:** Q2869  
**Contract:** JACO05 **Lab Code:** ACE **Method:** \_\_\_\_\_

| Sample ID                     | Client ID             | Sample Type | Matrix | Prep Date  | Initial Sample Size(mL) | Final Sample Volume (mL) | Percent Solids |
|-------------------------------|-----------------------|-------------|--------|------------|-------------------------|--------------------------|----------------|
| <b>Batch Number: PB169327</b> |                       |             |        |            |                         |                          |                |
| PB169327BL                    | PB169327BL            | MB          | WATER  | 08/20/2025 | 30.0                    | 30.0                     |                |
| PB169327BS                    | PB169327BS            | LCS         | WATER  | 08/20/2025 | 30.0                    | 30.0                     |                |
| Q2869-01                      | MW-19B-71.5-081325    | SAM         | WATER  | 08/20/2025 | 30.0                    | 30.0                     |                |
| Q2869-01DUP                   | MW-19B-71.5-081325DUP | DUP         | WATER  | 08/20/2025 | 30.0                    | 30.0                     |                |
| Q2869-01MS                    | MW-19B-71.5-081325MS  | MS          | WATER  | 08/20/2025 | 30.0                    | 30.0                     |                |
| Q2869-01MSD                   | MW-19B-71.5-081325MSD | MSD         | WATER  | 08/20/2025 | 30.0                    | 30.0                     |                |
| Q2869-05                      | MW-19B-71.5-081325-FD | SAM         | WATER  | 08/20/2025 | 30.0                    | 30.0                     |                |
| Q2869-07                      | EB01-081325           | SAM         | WATER  | 08/20/2025 | 30.0                    | 30.0                     |                |

Instrument ID: P7

**Daily Analysis Runlog For Sequence/QC Batch ID # LB136861**

|                  |                                                                         |              |                       |
|------------------|-------------------------------------------------------------------------|--------------|-----------------------|
| Review By        | Janvi                                                                   | Review On    | 8/19/2025 10:53:11 AM |
| Supervise By     | jaswal                                                                  | Supervise On | 8/19/2025 12:08:39 PM |
| <b>STD. NAME</b> | <b>STD REF.#</b>                                                        |              |                       |
| ICAL Standard    | MP86739,MP86789,MP86788,MP86745,MP86744,MP86743,MP86742,MP86741,MP86740 |              |                       |
| ICV Standard     | MP86751,MP86788                                                         |              |                       |
| CCV Standard     | MP86794                                                                 |              |                       |
| ICSA Standard    | MP86746,MP86747                                                         |              |                       |
| CRI Standard     | MP86788                                                                 |              |                       |
| LCS Standard     |                                                                         |              |                       |
| Chk Standard     | MP86750,MP86748                                                         |              |                       |

| Sr# | SampleId   | ClientID   | QcType | Date           | Comment | Operator | Status |
|-----|------------|------------|--------|----------------|---------|----------|--------|
| 1   | TUNE       | TUNE       | TUNE   | 08/15/25 11:48 |         | Jaswal   | OK     |
| 2   | S0         | S0         | CAL1   | 08/15/25 12:34 |         | Jaswal   | OK     |
| 3   | S2         | S2         | CAL3   | 08/15/25 12:48 |         | Jaswal   | OK     |
| 4   | S3         | S3         | CAL4   | 08/15/25 12:51 |         | Jaswal   | OK     |
| 5   | S4         | S4         | CAL5   | 08/15/25 12:54 |         | Jaswal   | OK     |
| 6   | S5         | S5         | CAL6   | 08/15/25 12:57 |         | Jaswal   | OK     |
| 7   | S6         | S6         | CAL7   | 08/15/25 13:00 |         | Jaswal   | OK     |
| 8   | S7         | S7         | CAL8   | 08/15/25 13:03 |         | Jaswal   | OK     |
| 9   | S8         | S8         | CAL9   | 08/15/25 13:06 |         | Jaswal   | OK     |
| 10  | ICV01      | ICV01      | ICV    | 08/15/25 13:22 |         | Jaswal   | OK     |
| 11  | LLICV01    | LLICV01    | LLICV  | 08/15/25 13:40 |         | Jaswal   | OK     |
| 12  | ICB01      | ICB01      | ICB    | 08/15/25 13:43 |         | Jaswal   | OK     |
| 13  | ICSA01     | ICSA01     | ICSA   | 08/15/25 13:46 |         | Jaswal   | OK     |
| 14  | ICSAB01    | ICSAB01    | ICSAB  | 08/15/25 13:50 |         | Jaswal   | OK     |
| 15  | CCV01      | CCV01      | CCV    | 08/15/25 13:53 |         | Jaswal   | OK     |
| 16  | CCB01      | CCB01      | CCB    | 08/15/25 13:56 |         | Jaswal   | OK     |
| 17  | CRI        | CRI        | CRDL   | 08/15/25 14:03 |         | Jaswal   | OK     |
| 18  | PB169251BL | PB169251BL | MB     | 08/15/25 14:10 |         | Jaswal   | OK     |

Instrument ID: P7

**Daily Analysis Runlog For Sequence/QC Batch ID # LB136861**

| Review By     | Janvi                                                                   | Review On    | 8/19/2025 10:53:11 AM |
|---------------|-------------------------------------------------------------------------|--------------|-----------------------|
| Supervise By  | jaswal                                                                  | Supervise On | 8/19/2025 12:08:39 PM |
| STD. NAME     | STD REF.#                                                               |              |                       |
| ICAL Standard | MP86739,MP86789,MP86788,MP86745,MP86744,MP86743,MP86742,MP86741,MP86740 |              |                       |
| ICV Standard  | MP86751,MP86788                                                         |              |                       |
| CCV Standard  | MP86794                                                                 |              |                       |
| ICSA Standard | MP86746,MP86747                                                         |              |                       |
| CRI Standard  | MP86788                                                                 |              |                       |
| LCS Standard  |                                                                         |              |                       |
| Chk Standard  | MP86750,MP86748                                                         |              |                       |

|    |             |                    |     |                |                                                                                          |        |    |
|----|-------------|--------------------|-----|----------------|------------------------------------------------------------------------------------------|--------|----|
| 19 | PB169251BS  | PB169251BS         | LCS | 08/15/25 14:13 |                                                                                          | Jaswal | OK |
| 20 | PB169194BL  | PB169194BL         | MB  | 08/15/25 14:19 |                                                                                          | Jaswal | OK |
| 21 | PB169194BS  | PB169194BS         | LCS | 08/15/25 14:23 |                                                                                          | Jaswal | OK |
| 22 | Q2840-01    | 0804-SOIL          | SAM | 08/15/25 14:26 |                                                                                          | Jaswal | OK |
| 23 | Q2840-01DUP | 0804-SOILDUP       | DUP | 08/15/25 14:29 |                                                                                          | Jaswal | OK |
| 24 | Q2840-01L   | 0804-SOILL         | SD  | 08/15/25 14:32 |                                                                                          | Jaswal | OK |
| 25 | Q2840-01MS  | 0804-SOILMS        | MS  | 08/15/25 14:35 |                                                                                          | Jaswal | OK |
| 26 | Q2840-01MSD | 0804-SOILMSD       | MSD | 08/15/25 14:38 |                                                                                          | Jaswal | OK |
| 27 | CCV02       | CCV02              | CCV | 08/15/25 14:41 |                                                                                          | Jaswal | OK |
| 28 | CCB02       | CCB02              | CCB | 08/15/25 14:44 |                                                                                          | Jaswal | OK |
| 29 | Q2840-01A   | 0804-SOILA         | PS  | 08/15/25 14:50 | 0.1 ML OF MP86790 AND<br>0.2ML OF EACH<br>MP86791,MP86792,MP86<br>793 IN 10ML OF SAMPLE. | Jaswal | OK |
| 30 | Q2840-02    | 0804-D             | SAM | 08/15/25 14:53 |                                                                                          | Jaswal | OK |
| 31 | Q2840-03    | 0804-E             | SAM | 08/15/25 14:56 |                                                                                          | Jaswal | OK |
| 32 | Q2842-03    | MW-17B-55.5-081225 | SAM | 08/15/25 15:00 |                                                                                          | Jaswal | OK |
| 33 | Q2842-03DUP | MW-17B-55.5-081225 | DUP | 08/15/25 15:03 |                                                                                          | Jaswal | OK |
| 34 | Q2842-03L   | MW-17B-55.5-081225 | SD  | 08/15/25 15:06 |                                                                                          | Jaswal | OK |
| 35 | Q2842-04    | MW-17B-55.5-081220 | MS  | 08/15/25 15:09 |                                                                                          | Jaswal | OK |
| 36 | Q2842-05    | MW-17B-55.5-081220 | MSD | 08/15/25 15:12 |                                                                                          | Jaswal | OK |

Instrument ID: P7

## Daily Analysis Runlog For Sequence/QC Batch ID # LB136861

|                  |                                                                         |              |                       |
|------------------|-------------------------------------------------------------------------|--------------|-----------------------|
| Review By        | Janvi                                                                   | Review On    | 8/19/2025 10:53:11 AM |
| Supervise By     | jaswal                                                                  | Supervise On | 8/19/2025 12:08:39 PM |
| <b>STD. NAME</b> | <b>STD REF.#</b>                                                        |              |                       |
| ICAL Standard    | MP86739,MP86789,MP86788,MP86745,MP86744,MP86743,MP86742,MP86741,MP86740 |              |                       |
| ICV Standard     | MP86751,MP86788                                                         |              |                       |
| CCV Standard     | MP86794                                                                 |              |                       |
| ICSA Standard    | MP86746,MP86747                                                         |              |                       |
| CRI Standard     | MP86788                                                                 |              |                       |
| LCS Standard     |                                                                         |              |                       |
| Chk Standard     | MP86750,MP86748                                                         |              |                       |

|    |            |                    |     |                |                                                                                      |        |          |
|----|------------|--------------------|-----|----------------|--------------------------------------------------------------------------------------|--------|----------|
| 37 | Q2842-03A  | MW-17B-55.5-081225 | PS  | 08/15/25 15:15 | 0.1 ML OF MP86790 AND<br>0.2ML OF EACH<br>MP86791,MP86792,MP86793 IN 10ML OF SAMPLE. | Jaswal | OK       |
| 38 | Q2842-09   | MW-17B-55.5-081225 | SAM | 08/15/25 15:18 |                                                                                      | Jaswal | OK       |
| 39 | CCV03      | CCV03              | CCV | 08/15/25 15:21 |                                                                                      | Jaswal | OK       |
| 40 | CCB03      | CCB03              | CCB | 08/15/25 15:24 |                                                                                      | Jaswal | OK       |
| 41 | Q2842-10   | MW-17B-55.5-081220 | MS  | 08/15/25 15:27 |                                                                                      | Jaswal | OK       |
| 42 | Q2842-11   | MW-17B-55.5-081220 | MSD | 08/15/25 15:30 |                                                                                      | Jaswal | OK       |
| 43 | Q2849-01DL | BUR-25-0071DL      | SAM | 08/15/25 15:32 | 5X Report Straight Dilution                                                          | Jaswal | OK       |
| 44 | Q2856-01   | #452               | SAM | 08/15/25 15:36 | Fe is High                                                                           | Jaswal | Dilution |
| 45 | Q2856-03DL | #456DL             | SAM | 08/15/25 15:39 | K is high ,5XReport<br>Straight Dilution                                             | Jaswal | Dilution |
| 46 | Q2865-03DL | LAW-25-0109DL      | SAM | 08/15/25 15:42 | K is high , 5XReport<br>Straight Dilution                                            | Jaswal | Dilution |
| 47 | Q2867-01DL | Tre-2005DL         | SAM | 08/15/25 15:45 | 5XReport Straight Dilution                                                           | Jaswal | OK       |
| 48 | Q2867-02DL | Tre-2006DL         | SAM | 08/15/25 15:49 | 5XReport Straight Dilution                                                           | Jaswal | OK       |
| 49 | Q2869-01   | MW-19B-71.5-081325 | SAM | 08/15/25 15:52 |                                                                                      | Jaswal | OK       |
| 50 | Q2869-02   | MW-19B-71.5-081325 | SAM | 08/15/25 15:55 |                                                                                      | Jaswal | OK       |
| 51 | CCV04      | CCV04              | CCV | 08/15/25 15:58 |                                                                                      | Jaswal | OK       |
| 52 | CCB04      | CCB04              | CCB | 08/15/25 16:10 |                                                                                      | Jaswal | OK       |
| 53 | Q2869-05   | MW-19B-71.5-081325 | SAM | 08/15/25 16:13 |                                                                                      | Jaswal | OK       |
| 54 | Q2869-06   | MW-19B-71.5-081325 | SAM | 08/15/25 16:16 |                                                                                      | Jaswal | OK       |

Instrument ID: P7

**Daily Analysis Runlog For Sequence/QC Batch ID # LB136861**

| Review By     | Janvi                                                                   | Review On    | 8/19/2025 10:53:11 AM |
|---------------|-------------------------------------------------------------------------|--------------|-----------------------|
| Supervise By  | jaswal                                                                  | Supervise On | 8/19/2025 12:08:39 PM |
| STD. NAME     | STD REF.#                                                               |              |                       |
| ICAL Standard | MP86739,MP86789,MP86788,MP86745,MP86744,MP86743,MP86742,MP86741,MP86740 |              |                       |
| ICV Standard  | MP86751,MP86788                                                         |              |                       |
| CCV Standard  | MP86794                                                                 |              |                       |
| ICSA Standard | MP86746,MP86747                                                         |              |                       |
| CRI Standard  | MP86788                                                                 |              |                       |
| LCS Standard  |                                                                         |              |                       |
| Chk Standard  | MP86750,MP86748                                                         |              |                       |

|    |             |                |     |                |                                      |        |          |
|----|-------------|----------------|-----|----------------|--------------------------------------|--------|----------|
| 55 | Q2869-07    | EB01-081325    | SAM | 08/15/25 16:19 |                                      | Jaswal | OK       |
| 56 | Q2869-08    | EB01-081325    | SAM | 08/15/25 16:23 |                                      | Jaswal | OK       |
| 57 | Q2840-03DL  | 0804-EDL       | SAM | 08/15/25 16:26 | Not use                              | Jaswal | Not Ok   |
| 58 | Q2856-01DL  | #452DL         | SAM | 08/15/25 16:29 | 2X for Fe                            | Jaswal | Confirms |
| 59 | Q2856-03DL2 | #456DL2        | SAM | 08/15/25 16:32 | 25X for K , Report Straight Dilution | Jaswal | Confirms |
| 60 | Q2865-03DL2 | LAW-25-0109DL2 | SAM | 08/15/25 16:36 | 25X for K , Report Straight Dilution | Jaswal | Confirms |
| 61 | CCV05       | CCV05          | CCV | 08/15/25 16:39 |                                      | Jaswal | OK       |
| 62 | CCB05       | CCB05          | CCB | 08/15/25 16:50 |                                      | Jaswal | OK       |

Instrument ID: CV1

**Daily Analysis Runlog For Sequence/QC Batch ID # LB136901**

|                  |                                                 |              |                      |
|------------------|-------------------------------------------------|--------------|----------------------|
| Review By        | jaswal                                          | Review On    | 8/21/2025 9:25:37 PM |
| Supervise By     | mohan                                           | Supervise On | 8/26/2025 9:41:32 AM |
| <b>STD. NAME</b> | <b>STD REF.#</b>                                |              |                      |
| ICAL Standard    | MP86848,MP86849,MP86850,MP86851,MP86852,MP86853 |              |                      |
| ICV Standard     | MP86854                                         |              |                      |
| CCV Standard     | MP86856                                         |              |                      |
| ICSA Standard    |                                                 |              |                      |
| CRI Standard     | MP86858                                         |              |                      |
| LCS Standard     |                                                 |              |                      |
| Chk Standard     | MP86855,MP86857,,MP868,MP86859,MP86872          |              |                      |

| Sr# | SampleId    | ClientID           | QcType   | Date           | Comment | Operator | Status |
|-----|-------------|--------------------|----------|----------------|---------|----------|--------|
| 1   | S0          | S0                 | CAL1     | 08/21/25 08:41 |         | MOHAN    | OK     |
| 2   | S0.2        | S0.2               | CAL2     | 08/21/25 08:44 |         | MOHAN    | OK     |
| 3   | S2.5        | S2.5               | CAL3     | 08/21/25 08:46 |         | MOHAN    | OK     |
| 4   | S5          | S5                 | CAL4     | 08/21/25 08:48 |         | MOHAN    | OK     |
| 5   | S7.5        | S7.5               | CAL5     | 08/21/25 08:51 |         | MOHAN    | OK     |
| 6   | S10         | S10                | CAL6     | 08/21/25 08:56 |         | MOHAN    | OK     |
| 7   | ICV27       | ICV27              | ICV      | 08/21/25 08:59 |         | MOHAN    | OK     |
| 8   | ICB27       | ICB27              | ICB      | 08/21/25 09:01 |         | MOHAN    | OK     |
| 9   | CCV84       | CCV84              | CCV      | 08/21/25 09:03 |         | MOHAN    | OK     |
| 10  | CCB84       | CCB84              | CCB      | 08/21/25 09:05 |         | MOHAN    | OK     |
| 11  | CRA         | CRA                | CRDL     | 08/21/25 09:08 |         | MOHAN    | OK     |
| 12  | HighStd     | HighStd            | HIGH STD | 08/21/25 09:10 |         | MOHAN    | OK     |
| 13  | ChkStd      | ChkStd             | SAM      | 08/21/25 09:12 |         | MOHAN    | OK     |
| 14  | PB169327BL  | PB169327BL         | MB       | 08/21/25 09:14 |         | MOHAN    | OK     |
| 15  | PB169327BS  | PB169327BS         | LCS      | 08/21/25 09:19 |         | MOHAN    | OK     |
| 16  | Q2869-01    | MW-19B-71.5-081325 | SAM      | 08/21/25 09:22 |         | MOHAN    | OK     |
| 17  | Q2869-01DUP | MW-19B-71.5-081325 | DUP      | 08/21/25 09:24 |         | MOHAN    | OK     |
| 18  | Q2869-01MS  | MW-19B-71.5-081325 | MS       | 08/21/25 09:26 |         | MOHAN    | OK     |

Instrument ID: CV1

**Daily Analysis Runlog For Sequence/QC Batch ID # LB136901**

|                  |                                                 |              |                      |
|------------------|-------------------------------------------------|--------------|----------------------|
| Review By        | jaswal                                          | Review On    | 8/21/2025 9:25:37 PM |
| Supervise By     | mohan                                           | Supervise On | 8/26/2025 9:41:32 AM |
| <b>STD. NAME</b> | <b>STD REF.#</b>                                |              |                      |
| ICAL Standard    | MP86848,MP86849,MP86850,MP86851,MP86852,MP86853 |              |                      |
| ICV Standard     | MP86854                                         |              |                      |
| CCV Standard     | MP86856                                         |              |                      |
| ICSA Standard    |                                                 |              |                      |
| CRI Standard     | MP86858                                         |              |                      |
| LCS Standard     |                                                 |              |                      |
| Chk Standard     | MP86855,MP86857,,MP868,MP86859,MP86872          |              |                      |

|    |             |                    |     |                |  |       |    |
|----|-------------|--------------------|-----|----------------|--|-------|----|
| 19 | Q2869-01MSD | MW-19B-71.5-081325 | MSD | 08/21/25 09:31 |  | MOHAN | OK |
| 20 | Q2869-05    | MW-19B-71.5-081325 | SAM | 08/21/25 09:33 |  | MOHAN | OK |
| 21 | CCV85       | CCV85              | CCV | 08/21/25 09:36 |  | MOHAN | OK |
| 22 | CCB85       | CCB85              | CCB | 08/21/25 09:38 |  | MOHAN | OK |
| 23 | Q2869-07    | EB01-081325        | SAM | 08/21/25 09:40 |  | MOHAN | OK |
| 24 | Q2878-01    | MW-18B-57.5-081325 | SAM | 08/21/25 09:43 |  | MOHAN | OK |
| 25 | Q2890-01    | 60296              | SAM | 08/21/25 09:45 |  | MOHAN | OK |
| 26 | Q2890-02    | 60295              | SAM | 08/21/25 09:47 |  | MOHAN | OK |
| 27 | Q2890-03    | 60272              | SAM | 08/21/25 09:49 |  | MOHAN | OK |
| 28 | Q2906-01    | 3409               | SAM | 08/21/25 09:52 |  | MOHAN | OK |
| 29 | Q2909-03    | 4066               | SAM | 08/21/25 09:54 |  | MOHAN | OK |
| 30 | Q2909-04    | 4067               | SAM | 08/21/25 09:56 |  | MOHAN | OK |
| 31 | Q2869-01L   | MW-19B-71.5-081325 | SD  | 08/21/25 10:02 |  | MOHAN | OK |
| 32 | Q2869-01A   | MW-19B-71.5-081325 | PS  | 08/21/25 10:07 |  | MOHAN | OK |
| 33 | CCV86       | CCV86              | CCV | 08/21/25 10:12 |  | MOHAN | OK |
| 34 | CCB86       | CCB86              | CCB | 08/21/25 10:14 |  | MOHAN | OK |

Instrument ID: P7

**Daily Analysis Runlog For Sequence/QC Batch ID # LB136916**

|                  |                                                                         |              |                       |
|------------------|-------------------------------------------------------------------------|--------------|-----------------------|
| Review By        | Janvi                                                                   | Review On    | 8/25/2025 10:29:28 AM |
| Supervise By     | jaswal                                                                  | Supervise On | 8/25/2025 3:50:25 PM  |
| <b>STD. NAME</b> | <b>STD REF.#</b>                                                        |              |                       |
| ICAL Standard    | MP86739,MP86789,MP86788,MP86745,MP86744,MP86743,MP86742,MP86741,MP86740 |              |                       |
| ICV Standard     | MP86863,MP86788                                                         |              |                       |
| CCV Standard     | MP86794                                                                 |              |                       |
| ICSA Standard    | MP86746,MP86747                                                         |              |                       |
| CRI Standard     |                                                                         |              |                       |
| LCS Standard     |                                                                         |              |                       |
| Chk Standard     | MP86750,MP86748                                                         |              |                       |

| Sr# | SampleId | ClientID          | QcType | Date           | Comment | Operator | Status |
|-----|----------|-------------------|--------|----------------|---------|----------|--------|
| 1   | TUNE     | TUNE              | TUNE   | 08/21/25 10:59 |         | Jaswal   | OK     |
| 2   | S0       | S0                | CAL1   | 08/21/25 11:33 |         | Jaswal   | OK     |
| 3   | S2       | S2                | CAL3   | 08/21/25 11:39 |         | Jaswal   | OK     |
| 4   | S3       | S3                | CAL4   | 08/21/25 11:43 |         | Jaswal   | OK     |
| 5   | S4       | S4                | CAL5   | 08/21/25 11:46 |         | Jaswal   | OK     |
| 6   | S5       | S5                | CAL6   | 08/21/25 11:49 |         | Jaswal   | OK     |
| 7   | S6       | S6                | CAL7   | 08/21/25 11:52 |         | Jaswal   | OK     |
| 8   | S7       | S7                | CAL8   | 08/21/25 11:54 |         | Jaswal   | OK     |
| 9   | S8       | S8                | CAL9   | 08/21/25 11:57 |         | Jaswal   | OK     |
| 10  | ICV01    | ICV01             | ICV    | 08/21/25 12:15 |         | Jaswal   | OK     |
| 11  | LLICV01  | LLICV01           | LLICV  | 08/21/25 12:26 |         | Jaswal   | OK     |
| 12  | ICB01    | ICB01             | ICB    | 08/21/25 12:29 |         | Jaswal   | OK     |
| 13  | ICSA01   | ICSA01            | ICSA   | 08/21/25 12:33 |         | Jaswal   | OK     |
| 14  | ICSAB01  | ICSAB01           | ICSAB  | 08/21/25 12:36 |         | Jaswal   | OK     |
| 15  | CCV01    | CCV01             | CCV    | 08/21/25 12:39 |         | Jaswal   | OK     |
| 16  | CCB01    | CCB01             | CCB    | 08/21/25 12:44 |         | Jaswal   | OK     |
| 17  | CRI      | CRI               | CRDL   | 08/21/25 12:48 |         | Jaswal   | OK     |
| 18  | Q2126-01 | LOD-MDL-SOIL-03-Q | SAM    | 08/21/25 12:58 |         | Jaswal   | Not Ok |



Instrument ID: P7

**Daily Analysis Runlog For Sequence/QC Batch ID # LB136916**

|                  |                                                                         |              |                       |
|------------------|-------------------------------------------------------------------------|--------------|-----------------------|
| Review By        | Janvi                                                                   | Review On    | 8/25/2025 10:29:28 AM |
| Supervise By     | jaswal                                                                  | Supervise On | 8/25/2025 3:50:25 PM  |
| <b>STD. NAME</b> | <b>STD REF.#</b>                                                        |              |                       |
| ICAL Standard    | MP86739,MP86789,MP86788,MP86745,MP86744,MP86743,MP86742,MP86741,MP86740 |              |                       |
| ICV Standard     | MP86863,MP86788                                                         |              |                       |
| CCV Standard     | MP86794                                                                 |              |                       |
| ICSA Standard    | MP86746,MP86747                                                         |              |                       |
| CRI Standard     |                                                                         |              |                       |
| LCS Standard     |                                                                         |              |                       |
| Chk Standard     | MP86750,MP86748                                                         |              |                       |

|    |             |                    |     |                |                                                                                             |        |        |
|----|-------------|--------------------|-----|----------------|---------------------------------------------------------------------------------------------|--------|--------|
| 19 | Q2126-16    | LLOQ-SOIL-QT2-202  | SAM | 08/21/25 13:14 |                                                                                             | Jaswal | Not Ok |
| 20 | Q2126-02    | LOQ-SOIL-02-QT2-20 | LOQ | 08/21/25 13:20 |                                                                                             | Jaswal | Not Ok |
| 21 | Q2126-01RE  | LOD-MDL-SOIL-03-Q  | SAM | 08/21/25 13:27 |                                                                                             | Jaswal | Not Ok |
| 22 | Q2126-07    | LOD-MDL-WATER-01   | SAM | 08/21/25 13:30 |                                                                                             | Jaswal | Not Ok |
| 23 | Q2126-08    | LOQ-WATER-02-QT2   | LOQ | 08/21/25 13:34 |                                                                                             | Jaswal | Not Ok |
| 24 | Q2126-08RE  | LOQ-WATER-02-QT2   | SAM | 08/21/25 13:37 |                                                                                             | Jaswal | Not Ok |
| 25 | CCV02       | CCV02              | CCV | 08/21/25 13:40 |                                                                                             | Jaswal | OK     |
| 26 | CCB02       | CCB02              | CCB | 08/21/25 13:43 |                                                                                             | Jaswal | OK     |
| 27 | PB169250BL  | PB169250BL         | MB  | 08/21/25 13:46 |                                                                                             | Jaswal | OK     |
| 28 | PB169250BS  | PB169250BS         | LCS | 08/21/25 13:50 |                                                                                             | Jaswal | OK     |
| 29 | PB169323BL  | PB169323BL         | MB  | 08/21/25 13:52 |                                                                                             | Jaswal | OK     |
| 30 | PB169323BS  | PB169323BS         | LCS | 08/21/25 13:56 |                                                                                             | Jaswal | OK     |
| 31 | Q2878-01    | MW-18B-57.5-081325 | SAM | 08/21/25 13:58 |                                                                                             | Jaswal | OK     |
| 32 | Q2878-01DUP | MW-18B-57.5-081325 | DUP | 08/21/25 14:02 |                                                                                             | Jaswal | OK     |
| 33 | Q2878-01L   | MW-18B-57.5-081325 | SD  | 08/21/25 14:05 |                                                                                             | Jaswal | OK     |
| 34 | Q2878-01MS  | MW-18B-57.5-081325 | MS  | 08/21/25 14:08 |                                                                                             | Jaswal | OK     |
| 35 | Q2878-01MSD | MW-18B-57.5-081325 | MSD | 08/21/25 14:11 |                                                                                             | Jaswal | OK     |
| 36 | Q2878-01A   | MW-18B-57.5-081325 | PS  | 08/21/25 14:14 | 0.1 ML OF MP86790 AND<br>0.2ML OF EACH<br>MP86791,MP86792 AND<br>MP86793 IN 10ML<br>SAMPLE. | Jaswal | OK     |

Instrument ID: P7

**Daily Analysis Runlog For Sequence/QC Batch ID # LB136916**

|                  |                                                                         |              |                       |
|------------------|-------------------------------------------------------------------------|--------------|-----------------------|
| Review By        | Janvi                                                                   | Review On    | 8/25/2025 10:29:28 AM |
| Supervise By     | jaswal                                                                  | Supervise On | 8/25/2025 3:50:25 PM  |
| <b>STD. NAME</b> | <b>STD REF.#</b>                                                        |              |                       |
| ICAL Standard    | MP86739,MP86789,MP86788,MP86745,MP86744,MP86743,MP86742,MP86741,MP86740 |              |                       |
| ICV Standard     | MP86863,MP86788                                                         |              |                       |
| CCV Standard     | MP86794                                                                 |              |                       |
| ICSA Standard    | MP86746,MP86747                                                         |              |                       |
| CRI Standard     |                                                                         |              |                       |
| LCS Standard     |                                                                         |              |                       |
| Chk Standard     | MP86750,MP86748                                                         |              |                       |

|    |             |                    |     |                |                |        |          |
|----|-------------|--------------------|-----|----------------|----------------|--------|----------|
| 37 | CCV03       | CCV03              | CCV | 08/21/25 14:32 |                | Jaswal | OK       |
| 38 | CCB03       | CCB03              | CCB | 08/21/25 14:34 |                | Jaswal | OK       |
| 39 | Q2878-02    | MW-18B-57.5-081325 | SAM | 08/21/25 14:39 |                | Jaswal | OK       |
| 40 | Q2890-01DL  | 60296DL            | SAM | 08/21/25 14:42 |                | Jaswal | OK       |
| 41 | Q2890-02DL  | 60295DL            | SAM | 08/21/25 14:45 | Fe,Mn high     | Jaswal | Dilution |
| 42 | Q2890-03DL  | 60272DL            | SAM | 08/21/25 14:48 | K high         | Jaswal | Dilution |
| 43 | Q2906-01DL  | 3409DL             | SAM | 08/21/25 14:51 |                | Jaswal | OK       |
| 44 | Q2890-02DL2 | 60295DL2           | SAM | 08/21/25 15:06 | 25X for Fe, Mn | Jaswal | Confirms |
| 45 | Q2890-03DL2 | 60272DL2           | SAM | 08/21/25 15:09 | 25X for K      | Jaswal | Confirms |
| 46 | CCV04       | CCV04              | CCV | 08/21/25 15:12 |                | Jaswal | OK       |
| 47 | CCB04       | CCB04              | CCB | 08/21/25 15:18 |                | Jaswal | OK       |

SOP ID : M3010A-Digestion-17

SDG No : N/A

Matrix : WATER

Pipette ID: ICP A

Balance ID : N/A

Filter paper ID : N/A

pH Strip ID : M6069

Hood ID : #3

Block ID: 1. HOT BLOCK #1 2. N/A

Start Digest Date: 08/14/2025 Time : 14:10 Temp : 96 °C

End Digest Date: 08/14/2025 Time : 16:15 Temp : 96 °C

Digestion tube ID: M5595

Block thermometer ID: MET-DIG. #1

Dig Technician Signature: *SLA*

Supervisor Signature: *[Signature]*

Temp : 1. 96°C 2. N/A

| Standard Name | MLS USED | STD REF. # FROM LOG |
|---------------|----------|---------------------|
| Spike Sol 1   | 0.50     | MP86790             |
| Spike Sol 2   | 1.00     | MP86791             |
| Spike Sol 3   | 1.00     | MP86792             |
| Spike Sol 4   | 1.00     | MP86793             |
| N/A           | N/A      | N/A                 |

| Chemical Used | ML/SAMPLE USED | Lot Number |
|---------------|----------------|------------|
| Conc. HNO3    | 3.00           | M6158      |
| 1:1 HCL       | 5.00           | MP85156    |
| 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:**

HOT BLOCK#1 CELL#50 96 c  
MP86792,MP86793,X\*

| Date / Time    | Prepped Sample Relinquished By/Location | Received By/Location |
|----------------|-----------------------------------------|----------------------|
| 08/14/25 17:15 | <i>SLA met dig</i>                      | <i>Metals Lab</i>    |
|                | Preparation Group                       | Analysis Group       |

| Lab Sample ID | Client Sample ID      | pH | Initial Vol (ml) | Final Vol (ml) | Color Before | Color After | Clarity Before | Clarity After | Comment            | Prep Pos |
|---------------|-----------------------|----|------------------|----------------|--------------|-------------|----------------|---------------|--------------------|----------|
| PB169250BL    | PBW250                | <2 | 50               | 50             | Colorless    | Colorless   | Clear          | Clear         | N/A                | 1        |
| PB169250BS    | LCS250                | <2 | 50               | 50             | Colorless    | Colorless   | Clear          | Clear         | MP86790,MP86791,X* | 2        |
| Q2840-03      | 0804-E                | <2 | 50               | 50             | Colorless    | Colorless   | Clear          | Clear         | N/A                | 3        |
| Q2842-03DUP   | MW-17B-55.5-081225DUP | <2 | 50               | 50             | Colorless    | Colorless   | Clear          | Clear         | N/A                | 5        |
| Q2842-03      | MW-17B-55.5-081225    | <2 | 50               | 50             | Colorless    | Colorless   | Clear          | Clear         | N/A                | 4        |
| Q2842-04      | Q2842-03MS            | <2 | 50               | 50             | Colorless    | Colorless   | Clear          | Clear         | MP86790,MP86791,X* | 6        |
| Q2842-05      | Q2842-03MSD           | <2 | 50               | 50             | Colorless    | Colorless   | Clear          | Clear         | MP86790,MP86791,X* | 7        |
| Q2842-09      | MW-17B-55.5-081225    | <2 | 50               | 50             | Colorless    | Colorless   | Clear          | Clear         | N/A                | 8        |
| Q2842-10      | Q2842-09MS            | <2 | 50               | 50             | Colorless    | Colorless   | Clear          | Clear         | MP86790,MP86791,X* | 9        |
| Q2842-11      | Q2842-09MSD           | <2 | 50               | 50             | Colorless    | Colorless   | Clear          | Clear         | MP86790,MP86791,X* | 10       |
| Q2849-01      | BUR-25-0071           | <2 | 50               | 50             | Colorless    | Colorless   | Clear          | Clear         | N/A                | 11       |
| Q2856-01      | #452                  | <2 | 50               | 50             | Pink         | Light pink  | Clear          | Clear         | N/A                | 12       |
| Q2856-03      | #456                  | <2 | 50               | 50             | Colorless    | Colorless   | Clear          | Clear         | N/A                | 13       |
| Q2865-03      | LAW-25-0109           | <2 | 50               | 50             | Pink         | Light pink  | Clear          | Clear         | N/A                | 14       |
| Q2867-01      | TRE-2005              | <2 | 50               | 50             | Colorless    | Colorless   | Clear          | Clear         | N/A                | 15       |
| Q2867-02      | TRE-2006              | <2 | 50               | 50             | Colorless    | Colorless   | Clear          | Clear         | N/A                | 16       |
| Q2869-01      | MW-19B-71.5-081325    | <2 | 50               | 50             | Colorless    | Colorless   | Clear          | Clear         | N/A                | 17       |
| Q2869-02      | MW-19B-71.5-081325    | <2 | 50               | 50             | Colorless    | Colorless   | Clear          | Clear         | N/A                | 18       |
| Q2869-05      | MW-19B-71.5-081325-FD | <2 | 50               | 50             | Colorless    | Colorless   | Clear          | Clear         | N/A                | 19       |
| Q2869-06      | MW-19B-71.5-081325-FD | <2 | 50               | 50             | Colorless    | Colorless   | Clear          | Clear         | N/A                | 20       |
| Q2869-07      | EB01-081325           | <2 | 50               | 50             | Colorless    | Colorless   | Clear          | Clear         | N/A                | 21       |
| Q2869-08      | EB01-081325           | <2 | 50               | 50             | Colorless    | Colorless   | Clear          | Clear         | N/A                | 22       |

SOP ID : M7470A-Mercury-20

SDG No : NA

Matrix : WATER

Pipette ID: HG A

Balance ID : N/A

Filter paper ID : NA

pH Strip ID : M6069

Hood ID : #1

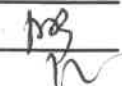
Block ID: 1. HG HOT BLOCK#3 2. N/A

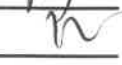
Start Digest Date: 08/20/2025 Time : 13:50 Temp : 93 °C

End Digest Date: 08/20/2025 Time : 15:50 Temp : 94 °C

Digestion tube ID: M5595

Block thermometer ID: HG-DIG#3

Dig Technician Signature: 

Supervisor Signature: 

Temp : 1. 93°C 2. N/A

| Standardized Name | MLS USED | STD REF. # FROM LOG |
|-------------------|----------|---------------------|
| ICV               | 30mL     | MP86854             |
| CCV               | 30mL     | MP86856             |
| CRA               | 30mL     | MP86858             |
| Blank Spike       | 0.48mL   | MP86847             |
| Matrix Spike      | 0.48mL   | MP86847             |

| Chemical Used           | ML/SAMPLE USED | Lot Number |
|-------------------------|----------------|------------|
| HNO3/H2SO4(1:2)         | 2.25mL         | MP85892    |
| KMnO4 (5%)              | 4.5mL          | MP85893    |
| K2S2O8 (5%)             | 2.4mL          | MP85894    |
| Hydroxylamine HCL (12%) | 1.8mL          | MP85895    |
| 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        |

| LAB SAMPLE ID | CLIENT SAMPLE ID | Wt(g)/Vol(ml) | Comment |
|---------------|------------------|---------------|---------|
| 0.0 ppb       | S0               | 30mL          | MP86848 |
| 0.05 ppb      | S0.05            | N/A           | N/A     |
| 0.2 ppb       | S0.2             | 30mL          | MP86849 |
| 2.5 ppb       | S2.5             | 30mL          | MP86850 |
| 5.0 ppb       | S5.0             | 30mL          | MP86851 |
| 7.5 ppb       | S7.5             | 30mL          | MP86852 |
| 10.0 ppb      | S10.0            | 30mL          | MP86853 |
| ICV           | ICV              | 30mL          | MP86854 |
| ICB           | ICB              | 30mL          | MP86855 |
| CCV           | CCV              | 30mL          | MP86856 |
| CCB           | CCB              | 30mL          | MP86857 |
| CRI           | CRI              | 30mL          | MP86858 |
| CHK STD       | CHK STD          | 30mL          | MP86859 |

Extraction Conformance/Non-Conformance Comments:

| N/A           |                                         |                      |
|---------------|-----------------------------------------|----------------------|
| Date / Time   | Prepped Sample Relinquished By/Location | Received By/Location |
| 8/20/25 10:20 | MB, MGR, LMS                            | MB, MGR, LMS         |
|               | Preparation Group                       | Analysis Group       |

| Lab Sample ID | Client Sample ID      | Initial Vol (ml) | Final Vol (ml) | pH | Comment | Prep Pos |
|---------------|-----------------------|------------------|----------------|----|---------|----------|
| PB169327BL    | PBW327                | 30               | 30             | <2 | N/A     | 3-1      |
| PB169327BS    | LCS327                | 30               | 30             | <2 | MP86847 | 2        |
| Q2869-01DUP   | MW-19B-71.5-081325DUP | 30               | 30             | <2 | N/A     | 4        |
| Q2869-01MS    | MW-19B-71.5-081325MS  | 30               | 30             | <2 | MP86847 | 5        |
| Q2869-01MSD   | MW-19B-71.5-081325MSD | 30               | 30             | <2 | MP86847 | 6        |
| Q2869-01      | MW-19B-71.5-081325    | 30               | 30             | <2 | N/A     | 3        |
| Q2869-05      | MW-19B-71.5-081325-FD | 30               | 30             | <2 | N/A     | 7        |
| Q2869-07      | EB01-081325           | 30               | 30             | <2 | N/A     | 8        |
| Q2878-01      | MW-18B-57.5-081325    | 30               | 30             | <2 | N/A     | 9        |
| Q2890-01      | 60296                 | 30               | 30             | <2 | N/A     | 10       |
| Q2890-02      | 60295                 | 30               | 30             | <2 | N/A     | 11       |
| Q2890-03      | 60272                 | 30               | 30             | <2 | N/A     | 12       |
| Q2906-01      | 3409                  | 30               | 30             | <2 | N/A     | 13       |
| Q2909-03      | 4066                  | 30               | 30             | <2 | N/A     | 14       |
| Q2909-04      | 4067                  | 30               | 30             | <2 | N/A     | 15       |



# SAMPLE DATA

## Report of Analysis

|                   |                                           |                 |                |
|-------------------|-------------------------------------------|-----------------|----------------|
| Client:           | JACOBS Engineering Group, Inc.            | Date Collected: | 08/13/25 11:52 |
| Project:          | Former Schlumberger STC PTC Site D3868221 | Date Received:  | 08/13/25       |
| Client Sample ID: | MW-19B-71.5-081325                        | SDG No.:        | Q2869          |
| Lab Sample ID:    | Q2869-01                                  | Matrix:         | WATER          |
|                   |                                           | % Solid:        | 0              |

| Parameter  | Conc. | Qua. | DF | MDL   | LOQ / CRQL | Units | Prep Date | Date Ana.      | Ana Met.     |
|------------|-------|------|----|-------|------------|-------|-----------|----------------|--------------|
| Alkalinity | 92.4  |      | 1  | 1.00  | 2.00       | mg/L  |           | 08/15/25 09:20 | SM 2320 B-21 |
| Chloride   | 39.0  | OR   | 1  | 0.19  | 0.60       | mg/L  |           | 08/15/25 10:12 | 9056A        |
| Nitrate    | 0.095 | U    | 1  | 0.095 | 0.50       | mg/L  |           | 08/15/25 10:12 | 9056A        |
| Sulfate    | 211   | OR   | 1  | 0.46  | 3.00       | mg/L  |           | 08/15/25 10:12 | 9056A        |
| TDS        | 454   |      | 1  | 1.00  | 10.0       | mg/L  |           | 08/14/25 17:20 | SM 2540 C-20 |

Comments: The alkalinity to pH 4.32=92.4 mg CaCO3/L

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

H = Sample Analysis Out Of Hold Time

J = Estimated Value

B = Analyte Found in Associated Method Blank

\* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N =Spiked sample recovery not within control limits



## Report of Analysis

|                   |                                           |                 |                |
|-------------------|-------------------------------------------|-----------------|----------------|
| Client:           | JACOBS Engineering Group, Inc.            | Date Collected: | 08/13/25 11:52 |
| Project:          | Former Schlumberger STC PTC Site D3868221 | Date Received:  | 08/13/25       |
| Client Sample ID: | MW-19B-71.5-081325DL                      | SDG No.:        | Q2869          |
| Lab Sample ID:    | Q2869-01DL                                | Matrix:         | WATER          |
|                   |                                           | % Solid:        | 0              |

| Parameter | Conc. | Qua. | DF | MDL  | LOQ / CRQL | Units | Prep Date | Date Ana.      | Ana Met. |
|-----------|-------|------|----|------|------------|-------|-----------|----------------|----------|
| Chloride  | 35.7  | D    | 10 | 1.90 | 6.00       | mg/L  |           | 08/15/25 13:47 | 9056A    |
| Sulfate   | 182   | D    | 10 | 4.60 | 30.0       | mg/L  |           | 08/15/25 13:47 | 9056A    |

Comments: \_\_\_\_\_

U = Not Detected  
 LOQ = Limit of Quantitation  
 MDL = Method Detection Limit  
 LOD = Limit of Detection  
 D = Dilution  
 Q = indicates LCS control criteria did not meet requirements  
 H = Sample Analysis Out Of Hold Time

J = Estimated Value  
 B = Analyte Found in Associated Method Blank  
 \* = indicates the duplicate analysis is not within control limits.  
 E = Indicates the reported value is estimated because of the presence of interference.  
 OR = Over Range  
 N = Spiked sample recovery not within control limits

## Report of Analysis

|                   |                                           |                 |                |
|-------------------|-------------------------------------------|-----------------|----------------|
| Client:           | JACOBS Engineering Group, Inc.            | Date Collected: | 08/13/25 11:55 |
| Project:          | Former Schlumberger STC PTC Site D3868221 | Date Received:  | 08/13/25       |
| Client Sample ID: | MW-19B-71.5-081325-FD                     | SDG No.:        | Q2869          |
| Lab Sample ID:    | Q2869-05                                  | Matrix:         | WATER          |
|                   |                                           | % Solid:        | 0              |

| Parameter  | Conc. | Qua. | DF | MDL   | LOQ / CRQL | Units | Prep Date | Date Ana.      | Ana Met.     |
|------------|-------|------|----|-------|------------|-------|-----------|----------------|--------------|
| Alkalinity | 88.4  |      | 1  | 1.00  | 2.00       | mg/L  |           | 08/15/25 09:21 | SM 2320 B-21 |
| Chloride   | 40.7  | OR   | 1  | 0.19  | 0.60       | mg/L  |           | 08/15/25 10:55 | 9056A        |
| Nitrate    | 0.095 | U    | 1  | 0.095 | 0.50       | mg/L  |           | 08/15/25 10:55 | 9056A        |
| Sulfate    | 208   | OR   | 1  | 0.46  | 3.00       | mg/L  |           | 08/15/25 10:55 | 9056A        |
| TDS        | 434   |      | 1  | 1.00  | 10.0       | mg/L  |           | 08/14/25 17:20 | SM 2540 C-20 |

Comments: The alkalinity to pH 4.34=88.4 mg CaCO3/L

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

H = Sample Analysis Out Of Hold Time

J = Estimated Value

B = Analyte Found in Associated Method Blank

\* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N =Spiked sample recovery not within control limits

## Report of Analysis

|                   |                                           |                 |                |
|-------------------|-------------------------------------------|-----------------|----------------|
| Client:           | JACOBS Engineering Group, Inc.            | Date Collected: | 08/13/25 11:55 |
| Project:          | Former Schlumberger STC PTC Site D3868221 | Date Received:  | 08/13/25       |
| Client Sample ID: | MW-19B-71.5-081325-FDDL                   | SDG No.:        | Q2869          |
| Lab Sample ID:    | Q2869-05DL                                | Matrix:         | WATER          |
|                   |                                           | % Solid:        | 0              |

| Parameter | Conc. | Qua. | DF | MDL  | LOQ / CRQL | Units | Prep Date | Date Ana.      | Ana Met. |
|-----------|-------|------|----|------|------------|-------|-----------|----------------|----------|
| Chloride  | 35.6  | D    | 10 | 1.90 | 6.00       | mg/L  |           | 08/15/25 14:08 | 9056A    |
| Sulfate   | 177   | D    | 10 | 4.60 | 30.0       | mg/L  |           | 08/15/25 14:08 | 9056A    |

Comments:

U = Not Detected  
LOQ = Limit of Quantitation  
MDL = Method Detection Limit  
LOD = Limit of Detection  
D = Dilution  
Q = indicates LCS control criteria did not meet requirements  
H = Sample Analysis Out Of Hold Time

J = Estimated Value  
B = Analyte Found in Associated Method Blank  
\* = indicates the duplicate analysis is not within control limits.  
E = Indicates the reported value is estimated because of the presence of interference.  
OR = Over Range  
N = Spiked sample recovery not within control limits

## Report of Analysis

|                   |                                           |                 |                |
|-------------------|-------------------------------------------|-----------------|----------------|
| Client:           | JACOBS Engineering Group, Inc.            | Date Collected: | 08/13/25 15:00 |
| Project:          | Former Schlumberger STC PTC Site D3868221 | Date Received:  | 08/13/25       |
| Client Sample ID: | EB01-081325                               | SDG No.:        | Q2869          |
| Lab Sample ID:    | Q2869-07                                  | Matrix:         | Water          |
|                   |                                           | % Solid:        | 0              |

| Parameter  | Conc. | Qua. | DF | MDL   | LOQ / CRQL | Units | Prep Date | Date Ana.      | Ana Met.     |
|------------|-------|------|----|-------|------------|-------|-----------|----------------|--------------|
| Alkalinity | 1.00  | U    | 1  | 1.00  | 2.00       | mg/L  |           | 08/15/25 08:52 | SM 2320 B-21 |
| Chloride   | 0.19  | U    | 1  | 0.19  | 0.60       | mg/L  |           | 08/15/25 11:59 | 9056A        |
| Nitrate    | 0.095 | U    | 1  | 0.095 | 0.50       | mg/L  |           | 08/15/25 11:59 | 9056A        |
| Sulfate    | 0.46  | U    | 1  | 0.46  | 3.00       | mg/L  |           | 08/15/25 11:59 | 9056A        |
| TDS        | 1.00  | U    | 1  | 1.00  | 10.0       | mg/L  |           | 08/14/25 17:20 | SM 2540 C-20 |

Comments:

U = Not Detected  
 LOQ = Limit of Quantitation  
 MDL = Method Detection Limit  
 LOD = Limit of Detection  
 D = Dilution  
 Q = indicates LCS control criteria did not meet requirements  
 H = Sample Analysis Out Of Hold Time

J = Estimated Value  
 B = Analyte Found in Associated Method Blank  
 \* = indicates the duplicate analysis is not within control limits.  
 E = Indicates the reported value is estimated because of the presence of interference.  
 OR = Over Range  
 N =Spiked sample recovery not within control limits



# QC RESULT SUMMARY

## Initial and Continuing Calibration Verification

**Client:** JACOBS Engineering Group, Inc.

**SDG No.:** Q2869

**Project:** Former Schlumberger STC PTC Site D3868221

**RunNo.:** LB136833

| Analyte                | Units | Result | True Value | % Recovery | Acceptance Window (%R) | Analysis Date |
|------------------------|-------|--------|------------|------------|------------------------|---------------|
| <b>Sample ID: ICV1</b> |       |        |            |            |                        |               |
| Bromide                | mg/L  | 10.3   | 10         | 103        | 90-110                 | 08/06/2025    |
| Chloride               | mg/L  | 3.2    | 3          | 107        | 90-110                 | 08/06/2025    |
| Fluoride               | mg/L  | 2      | 2          | 100        | 90-110                 | 08/06/2025    |
| Nitrite                | mg/L  | 3.1    | 3          | 103        | 90-110                 | 08/06/2025    |
| Nitrate                | mg/L  | 2.6    | 2.5        | 104        | 90-110                 | 08/06/2025    |
| Sulfate                | mg/L  | 15.4   | 15         | 103        | 90-110                 | 08/06/2025    |
| Orthophosphate as P    | mg/L  | 5      | 5          | 100        | 90-110                 | 08/06/2025    |
| <b>Sample ID: CCV1</b> |       |        |            |            |                        |               |
| Bromide                | mg/L  | 10.2   | 10         | 102        | 90-110                 | 08/15/2025    |
| Chloride               | mg/L  | 3.1    | 3          | 103        | 90-110                 | 08/15/2025    |
| Fluoride               | mg/L  | 2      | 2          | 100        | 90-110                 | 08/15/2025    |
| Nitrite                | mg/L  | 3      | 3          | 100        | 90-110                 | 08/15/2025    |
| Nitrate                | mg/L  | 2.5    | 2.5        | 100        | 90-110                 | 08/15/2025    |
| Sulfate                | mg/L  | 15.2   | 15         | 101        | 90-110                 | 08/15/2025    |
| Orthophosphate as P    | mg/L  | 5      | 5          | 100        | 90-110                 | 08/15/2025    |
| <b>Sample ID: CCV2</b> |       |        |            |            |                        |               |
| Bromide                | mg/L  | 10.2   | 10         | 102        | 90-110                 | 08/15/2025    |
| Chloride               | mg/L  | 3.1    | 3          | 103        | 90-110                 | 08/15/2025    |
| Fluoride               | mg/L  | 2      | 2          | 100        | 90-110                 | 08/15/2025    |
| Nitrite                | mg/L  | 3      | 3          | 100        | 90-110                 | 08/15/2025    |
| Nitrate                | mg/L  | 2.5    | 2.5        | 100        | 90-110                 | 08/15/2025    |
| Sulfate                | mg/L  | 15.2   | 15         | 101        | 90-110                 | 08/15/2025    |
| Orthophosphate as P    | mg/L  | 4.6    | 5          | 92         | 90-110                 | 08/15/2025    |
| <b>Sample ID: CCV3</b> |       |        |            |            |                        |               |
| Bromide                | mg/L  | 10.2   | 10         | 102        | 90-110                 | 08/15/2025    |
| Chloride               | mg/L  | 3.1    | 3          | 103        | 90-110                 | 08/15/2025    |
| Fluoride               | mg/L  | 2      | 2          | 100        | 90-110                 | 08/15/2025    |
| Nitrite                | mg/L  | 3      | 3          | 100        | 90-110                 | 08/15/2025    |
| Nitrate                | mg/L  | 2.5    | 2.5        | 100        | 90-110                 | 08/15/2025    |
| Sulfate                | mg/L  | 15.1   | 15         | 101        | 90-110                 | 08/15/2025    |
| Orthophosphate as P    | mg/L  | 5.2    | 5          | 104        | 90-110                 | 08/15/2025    |

### Initial and Continuing Calibration Blank Summary

**Client:** JACOBS Engineering Group, Inc.

**SDG No.:** Q2869

**Project:** Former Schlumberger STC PTC Site D3868221

**RunNo.:** LB136833

| Analyte                | Units | Result   | Acceptance Limits | Conc Qual | MDL   | RDL | Analysis Date |
|------------------------|-------|----------|-------------------|-----------|-------|-----|---------------|
| <b>Sample ID: ICB1</b> |       |          |                   |           |       |     |               |
| Bromide                | mg/L  | < 1.0000 | 1.0000            | U         | 0.37  | 2   | 08/06/2025    |
| Chloride               | mg/L  | < 0.3000 | 0.3000            | U         | 0.19  | 0.6 | 08/06/2025    |
| Fluoride               | mg/L  | < 0.2000 | 0.2000            | U         | 0.11  | 0.4 | 08/06/2025    |
| Nitrite                | mg/L  | < 0.3000 | 0.3000            | U         | 0.074 | 0.6 | 08/06/2025    |
| Nitrate                | mg/L  | < 0.2500 | 0.2500            | U         | 0.095 | 0.5 | 08/06/2025    |
| Sulfate                | mg/L  | < 1.5000 | 1.5000            | U         | 0.46  | 3   | 08/06/2025    |
| Orthophosphate as P    | mg/L  | < 0.5000 | 0.5000            | U         | 0.34  | 1   | 08/06/2025    |
| <b>Sample ID: CCB1</b> |       |          |                   |           |       |     |               |
| Bromide                | mg/L  | < 1.0000 | 1.0000            | U         | 0.37  | 2   | 08/15/2025    |
| Chloride               | mg/L  | < 0.3000 | 0.3000            | U         | 0.19  | 0.6 | 08/15/2025    |
| Fluoride               | mg/L  | < 0.2000 | 0.2000            | U         | 0.11  | 0.4 | 08/15/2025    |
| Nitrite                | mg/L  | < 0.3000 | 0.3000            | U         | 0.074 | 0.6 | 08/15/2025    |
| Nitrate                | mg/L  | < 0.2500 | 0.2500            | U         | 0.095 | 0.5 | 08/15/2025    |
| Sulfate                | mg/L  | < 1.5000 | 1.5000            | U         | 0.46  | 3   | 08/15/2025    |
| Orthophosphate as P    | mg/L  | < 0.5000 | 0.5000            | U         | 0.34  | 1   | 08/15/2025    |
| <b>Sample ID: CCB2</b> |       |          |                   |           |       |     |               |
| Bromide                | mg/L  | < 1.0000 | 1.0000            | U         | 0.37  | 2   | 08/15/2025    |
| Chloride               | mg/L  | < 0.3000 | 0.3000            | U         | 0.19  | 0.6 | 08/15/2025    |
| Fluoride               | mg/L  | < 0.2000 | 0.2000            | U         | 0.11  | 0.4 | 08/15/2025    |
| Nitrite                | mg/L  | < 0.3000 | 0.3000            | U         | 0.074 | 0.6 | 08/15/2025    |
| Nitrate                | mg/L  | < 0.2500 | 0.2500            | U         | 0.095 | 0.5 | 08/15/2025    |
| Sulfate                | mg/L  | < 1.5000 | 1.5000            | U         | 0.46  | 3   | 08/15/2025    |
| Orthophosphate as P    | mg/L  | < 0.5000 | 0.5000            | U         | 0.34  | 1   | 08/15/2025    |
| <b>Sample ID: CCB3</b> |       |          |                   |           |       |     |               |
| Bromide                | mg/L  | < 1.0000 | 1.0000            | U         | 0.37  | 2   | 08/15/2025    |
| Chloride               | mg/L  | < 0.3000 | 0.3000            | U         | 0.19  | 0.6 | 08/15/2025    |
| Fluoride               | mg/L  | < 0.2000 | 0.2000            | U         | 0.11  | 0.4 | 08/15/2025    |
| Nitrite                | mg/L  | < 0.3000 | 0.3000            | U         | 0.074 | 0.6 | 08/15/2025    |
| Nitrate                | mg/L  | < 0.2500 | 0.2500            | U         | 0.095 | 0.5 | 08/15/2025    |
| Sulfate                | mg/L  | < 1.5000 | 1.5000            | U         | 0.46  | 3   | 08/15/2025    |
| Orthophosphate as P    | mg/L  | < 0.5000 | 0.5000            | U         | 0.34  | 1   | 08/15/2025    |

## Preparation Blank Summary

**Client:** JACOBS Engineering Group, Inc.  
**Project:** Former Schlumberger STC PTC Site D3868221

**SDG No.:** Q2869

| Analyte                       | Units | Result   | Acceptance Limits | Conc Qual | MDL   | RDL | Analysis Date |
|-------------------------------|-------|----------|-------------------|-----------|-------|-----|---------------|
| <b>Sample ID: LB136833BLW</b> |       |          |                   |           |       |     |               |
| Bromide                       | mg/L  | < 1.0000 | 1.0000            | U         | 0.37  | 2   | 08/15/2025    |
| Chloride                      | mg/L  | < 0.3000 | 0.3000            | U         | 0.19  | 0.6 | 08/15/2025    |
| Fluoride                      | mg/L  | < 0.2000 | 0.2000            | U         | 0.11  | 0.4 | 08/15/2025    |
| Nitrite                       | mg/L  | < 0.3000 | 0.3000            | U         | 0.074 | 0.6 | 08/15/2025    |
| Nitrate                       | mg/L  | < 0.2500 | 0.2500            | U         | 0.095 | 0.5 | 08/15/2025    |
| Sulfate                       | mg/L  | < 1.5000 | 1.5000            | U         | 0.46  | 3   | 08/15/2025    |
| Orthophosphate as P           | mg/L  | < 0.5000 | 0.5000            | U         | 0.34  | 1   | 08/15/2025    |
| <b>Sample ID: LB136835BL</b>  |       |          |                   |           |       |     |               |
| TDS                           | mg/L  | < 5.0000 | 5.0000            | U         | 1.0   | 10  | 08/14/2025    |
| <b>Sample ID: LB136847BLW</b> |       |          |                   |           |       |     |               |
| Alkalinity                    | mg/L  | < 1.0000 | 1.0000            | U         | 1     | 2   | 08/15/2025    |
| <b>Sample ID: LB136848BL</b>  |       |          |                   |           |       |     |               |
| Alkalinity                    | mg/L  | < 1.0000 | 1.0000            | U         | 1     | 2   | 08/15/2025    |



## Matrix Spike Summary

|                   |                                           |                                         |          |
|-------------------|-------------------------------------------|-----------------------------------------|----------|
| <b>Client:</b>    | JACOBS Engineering Group, Inc.            | <b>SDG No.:</b>                         | Q2869    |
| <b>Project:</b>   | Former Schlumberger STC PTC Site D3868221 | <b>Sample ID:</b>                       | Q2878-01 |
| <b>Client ID:</b> | MW-18B-57.5-081325MS                      | <b>Percent Solids for Spike Sample:</b> | 0        |

| Analyte             | Units | Acceptance<br>Limit %R | Spiked<br>Result | Conc.<br>Qualifier | Sample<br>Result | Conc.<br>Qualifier | Spike<br>Added | Dilution<br>Factor | %<br>Rec | Qual | Analysis<br>Date |
|---------------------|-------|------------------------|------------------|--------------------|------------------|--------------------|----------------|--------------------|----------|------|------------------|
| Bromide             | mg/L  | 80-120                 | 10.5             |                    | 0.37             | U                  | 10             | 1                  | 105      |      | 08/15/2025       |
| Chloride            | mg/L  | 80-120                 | 21.6             | OR                 | 19.0             | OR                 | 3              | 1                  | 87       |      | 08/15/2025       |
| Fluoride            | mg/L  | 80-120                 | 2.30             |                    | 0.23             | J                  | 2              | 1                  | 104      |      | 08/15/2025       |
| Nitrite             | mg/L  | 80-120                 | 3.10             |                    | 0.074            | U                  | 3              | 1                  | 103      |      | 08/15/2025       |
| Nitrate             | mg/L  | 80-120                 | 2.60             |                    | 0.095            | U                  | 2.5            | 1                  | 104      |      | 08/15/2025       |
| Sulfate             | mg/L  | 80-120                 | 168              | OR                 | 156              | OR                 | 15             | 1                  | 80       |      | 08/15/2025       |
| Orthophosphate as P | mg/L  | 80-120                 | 8.30             |                    | 0.34             | U                  | 5              | 1                  | 166      | *    | 08/15/2025       |

## Matrix Spike Summary

|                   |                                           |                                         |          |
|-------------------|-------------------------------------------|-----------------------------------------|----------|
| <b>Client:</b>    | JACOBS Engineering Group, Inc.            | <b>SDG No.:</b>                         | Q2869    |
| <b>Project:</b>   | Former Schlumberger STC PTC Site D3868221 | <b>Sample ID:</b>                       | Q2878-01 |
| <b>Client ID:</b> | MW-18B-57.5-081325MSD                     | <b>Percent Solids for Spike Sample:</b> | 0        |

| Analyte             | Units | Acceptance<br>Limit %R | Spiked<br>Result | Conc.<br>Qualifier | Sample<br>Result | Conc.<br>Qualifier | Spike<br>Added | Dilution<br>Factor | %<br>Rec | Qual | Analysis<br>Date |
|---------------------|-------|------------------------|------------------|--------------------|------------------|--------------------|----------------|--------------------|----------|------|------------------|
| Bromide             | mg/L  | 80-120                 | 10.2             |                    | 0.37             | U                  | 10             | 1                  | 102      |      | 08/15/2025       |
| Chloride            | mg/L  | 80-120                 | 21.4             | OR                 | 19.0             | OR                 | 3              | 1                  | 80       |      | 08/15/2025       |
| Fluoride            | mg/L  | 80-120                 | 2.20             |                    | 0.23             | J                  | 2              | 1                  | 99       |      | 08/15/2025       |
| Nitrite             | mg/L  | 80-120                 | 3.00             |                    | 0.074            | U                  | 3              | 1                  | 100      |      | 08/15/2025       |
| Nitrate             | mg/L  | 80-120                 | 2.50             |                    | 0.095            | U                  | 2.5            | 1                  | 100      |      | 08/15/2025       |
| Sulfate             | mg/L  | 80-120                 | 168              | OR                 | 156              | OR                 | 15             | 1                  | 80       |      | 08/15/2025       |
| Orthophosphate as P | mg/L  | 80-120                 | 6.80             |                    | 0.34             | U                  | 5              | 1                  | 136      | *    | 08/15/2025       |

## Duplicate Sample Summary

|                   |                                           |                                         |          |
|-------------------|-------------------------------------------|-----------------------------------------|----------|
| <b>Client:</b>    | JACOBS Engineering Group, Inc.            | <b>SDG No.:</b>                         | Q2869    |
| <b>Project:</b>   | Former Schlumberger STC PTC Site D3868221 | <b>Sample ID:</b>                       | Q2842-03 |
| <b>Client ID:</b> | MW-17B-55.5-081225DUP                     | <b>Percent Solids for Spike Sample:</b> | 0        |

| Analyte    | Units | Acceptance Limit | Sample Result | Conc. Qualifier | Duplicate Result | Conc. Qualifier | Dilution Factor | RPD/AD | Qual | Analysis Date |
|------------|-------|------------------|---------------|-----------------|------------------|-----------------|-----------------|--------|------|---------------|
| TDS        | mg/L  | +/-5             | 197           |                 | 196              |                 | 1               | 0.51   |      | 08/14/2025    |
| Alkalinity | mg/L  | +/-20            | 88.2          |                 | 87.6             |                 | 1               | 1      |      | 08/15/2025    |

### Duplicate Sample Summary

|                   |                                           |                                         |          |
|-------------------|-------------------------------------------|-----------------------------------------|----------|
| <b>Client:</b>    | JACOBS Engineering Group, Inc.            | <b>SDG No.:</b>                         | Q2869    |
| <b>Project:</b>   | Former Schlumberger STC PTC Site D3868221 | <b>Sample ID:</b>                       | Q2869-07 |
| <b>Client ID:</b> | EB01-081325DUP                            | <b>Percent Solids for Spike Sample:</b> | 0        |

| Analyte    | Units | Acceptance Limit | Sample Result | Conc. Qualifier | Duplicate Result | Conc. Qualifier | Dilution Factor | RPD/AD | Qual | Analysis Date |
|------------|-------|------------------|---------------|-----------------|------------------|-----------------|-----------------|--------|------|---------------|
| Alkalinity | mg/L  | +/-20            | 1.00          | U               | 1.00             | U               | 1               | 0      |      | 08/15/2025    |

## Duplicate Sample Summary

|                   |                                           |                                         |          |
|-------------------|-------------------------------------------|-----------------------------------------|----------|
| <b>Client:</b>    | JACOBS Engineering Group, Inc.            | <b>SDG No.:</b>                         | Q2869    |
| <b>Project:</b>   | Former Schlumberger STC PTC Site D3868221 | <b>Sample ID:</b>                       | Q2878-01 |
| <b>Client ID:</b> | MW-18B-57.5-081325MSD                     | <b>Percent Solids for Spike Sample:</b> | 0        |

| Analyte             | Units | Acceptance Limit | Sample Result | Conc. Qualifier | Duplicate Result | Conc. Qualifier | Dilution Factor | RPD/AD | Qual | Analysis Date |
|---------------------|-------|------------------|---------------|-----------------|------------------|-----------------|-----------------|--------|------|---------------|
| Sulfate             | mg/L  | +/-15            | 168           | OR              | 168              | OR              | 1               | 0      |      | 08/15/2025    |
| Chloride            | mg/L  | +/-15            | 21.6          | OR              | 21.4             | OR              | 1               | 1      |      | 08/15/2025    |
| Orthophosphate as P | mg/L  | +/-15            | 8.30          |                 | 6.80             |                 | 1               | 20     |      | 08/15/2025    |
| Bromide             | mg/L  | +/-15            | 10.5          |                 | 10.2             |                 | 1               | 3      |      | 08/15/2025    |
| Nitrite             | mg/L  | +/-15            | 3.10          |                 | 3.00             |                 | 1               | 3      |      | 08/15/2025    |
| Fluoride            | mg/L  | +/-15            | 2.30          |                 | 2.20             |                 | 1               | 4      |      | 08/15/2025    |
| Nitrate             | mg/L  | +/-15            | 2.60          |                 | 2.50             |                 | 1               | 4      |      | 08/15/2025    |

## Laboratory Control Sample Summary

|                 |                                           |                 |          |
|-----------------|-------------------------------------------|-----------------|----------|
| <b>Client:</b>  | JACOBS Engineering Group, Inc.            | <b>SDG No.:</b> | Q2869    |
| <b>Project:</b> | Former Schlumberger STC PTC Site D3868221 | <b>Run No.:</b> | LB136833 |

| Analyte             | Units       | True Value | Result | Conc. Qualifier | % Recovery | Dilution Factor | Acceptance Limit %R | Analysis Date |
|---------------------|-------------|------------|--------|-----------------|------------|-----------------|---------------------|---------------|
| Sample ID           | LB136833BSW |            |        |                 |            |                 |                     |               |
| Bromide             | mg/L        | 10         | 10.2   |                 | 102        | 1               | 90-110              | 08/15/2025    |
| Chloride            | mg/L        | 3          | 3.10   |                 | 103        | 1               | 90-110              | 08/15/2025    |
| Fluoride            | mg/L        | 2          | 2.00   |                 | 100        | 1               | 90-110              | 08/15/2025    |
| Nitrite             | mg/L        | 3          | 3.00   |                 | 100        | 1               | 90-110              | 08/15/2025    |
| Nitrate             | mg/L        | 2.5        | 2.50   |                 | 100        | 1               | 90-110              | 08/15/2025    |
| Sulfate             | mg/L        | 15         | 15.3   |                 | 102        | 1               | 90-110              | 08/15/2025    |
| Orthophosphate as P | mg/L        | 5          | 5.10   |                 | 102        | 1               | 90-110              | 08/15/2025    |

## Laboratory Control Sample Summary

|                 |                                           |                 |          |
|-----------------|-------------------------------------------|-----------------|----------|
| <b>Client:</b>  | JACOBS Engineering Group, Inc.            | <b>SDG No.:</b> | Q2869    |
| <b>Project:</b> | Former Schlumberger STC PTC Site D3868221 | <b>Run No.:</b> | LB136835 |

| Analyte   | Units      | True Value | Result | Conc. Qualifier | % Recovery | Dilution Factor | Acceptance Limit %R | Analysis Date |
|-----------|------------|------------|--------|-----------------|------------|-----------------|---------------------|---------------|
| Sample ID | LB136835BS |            |        |                 |            |                 |                     |               |
| TDS       | mg/L       | 100        | 95.0   |                 | 95         | 1               | 90-110              | 08/14/2025    |

## Laboratory Control Sample Summary

|                 |                                           |                 |          |
|-----------------|-------------------------------------------|-----------------|----------|
| <b>Client:</b>  | JACOBS Engineering Group, Inc.            | <b>SDG No.:</b> | Q2869    |
| <b>Project:</b> | Former Schlumberger STC PTC Site D3868221 | <b>Run No.:</b> | LB136847 |

| Analyte    | Units       | True Value | Result | Conc. Qualifier | % Recovery | Dilution Factor | Acceptance Limit %R | Analysis Date |
|------------|-------------|------------|--------|-----------------|------------|-----------------|---------------------|---------------|
| Sample ID  | LB136847BSW |            |        |                 |            |                 |                     |               |
| Alkalinity | mg/L        | 50         | 53.4   |                 | 107        | 1               | 80-120              | 08/15/2025    |



## Laboratory Control Sample Summary

|                 |                                           |                 |          |
|-----------------|-------------------------------------------|-----------------|----------|
| <b>Client:</b>  | JACOBS Engineering Group, Inc.            | <b>SDG No.:</b> | Q2869    |
| <b>Project:</b> | Former Schlumberger STC PTC Site D3868221 | <b>Run No.:</b> | LB136848 |

| Analyte    | Units      | True Value | Result | Conc. Qualifier | % Recovery | Dilution Factor | Acceptance Limit %R | Analysis Date |
|------------|------------|------------|--------|-----------------|------------|-----------------|---------------------|---------------|
| Sample ID  | LB136848BS |            |        |                 |            |                 |                     |               |
| Alkalinity | mg/L       | 50         | 45.2   |                 | 90         | 1               | 80-120              | 08/15/2025    |

Instrument ID: IC-1

**Daily Analysis Runlog For Sequence/QC Batch ID # LB136833**

|                  |                                                                |              |                       |
|------------------|----------------------------------------------------------------|--------------|-----------------------|
| Review By        | rubina                                                         | Review On    | 8/19/2025 5:04:52 PM  |
| Supervise By     | Sohil                                                          | Supervise On | 8/20/2025 11:21:28 AM |
| SubDirectory     | LB136833                                                       | Test         | Anions                |
| <b>STD. NAME</b> | <b>STD REF.#</b>                                               |              |                       |
| ICAL Standard    | WP114185,WP114186,WP114187,WP114188,WP114189,WP114190,WP114191 |              |                       |
| ICV Standard     | WP114192                                                       |              |                       |
| CCV Standard     | WP114307                                                       |              |                       |
| ICSA Standard    | N/A                                                            |              |                       |
| CRI Standard     | N/A                                                            |              |                       |
| LCS Standard     | WP114308                                                       |              |                       |
| Chk Standard     | WP114193,WP114194                                              |              |                       |

| Sr# | SampleId    | ClientID           | QcType | Date           | Comment                      | Operator | Status   |
|-----|-------------|--------------------|--------|----------------|------------------------------|----------|----------|
| 1   | STD1        | STD1               | CAL1   | 08/06/25 10:18 | All standards, samples, and  | RM/IZ    | OK       |
| 2   | STD2        | STD2               | CAL2   | 08/06/25 10:40 | QC are filtered through      | RM/IZ    | OK       |
| 3   | STD3        | STD3               | CAL3   | 08/06/25 11:01 | 0.45um, filter lot W3160     | RM/IZ    | OK       |
| 4   | STD4        | STD4               | CAL4   | 08/06/25 11:23 |                              | RM/IZ    | OK       |
| 5   | STD5        | STD5               | CAL5   | 08/06/25 11:44 |                              | RM/IZ    | OK       |
| 6   | STD6        | STD6               | CAL6   | 08/06/25 12:06 |                              | RM/IZ    | OK       |
| 7   | STD7        | STD7               | CAL7   | 08/06/25 12:27 |                              | RM/IZ    | OK       |
| 8   | ICV1        | ICV1               | ICV    | 08/06/25 12:48 |                              | RM/IZ    | OK       |
| 9   | ICB1        | ICB1               | ICB    | 08/06/25 13:10 |                              | RM/IZ    | OK       |
| 10  | CCV1        | CCV1               | CCV    | 08/15/25 08:46 |                              | RM/IZ    | OK       |
| 11  | CCB1        | CCB1               | CCB    | 08/15/25 09:07 |                              | RM/IZ    | OK       |
| 12  | LB136833BLW | LB136833BLW        | MB     | 08/15/25 09:29 |                              | RM/IZ    | OK       |
| 13  | LB136833BSW | LB136833BSW        | LCS    | 08/15/25 09:50 |                              | RM/IZ    | OK       |
| 14  | Q2869-01    | MW-19B-71.5-081325 | SAM    | 08/15/25 10:12 | Cl,SO4 is high               | RM/IZ    | Dilution |
| 15  | Q2869-05    | MW-19B-71.5-081325 | SAM    | 08/15/25 10:55 | Cl,SO4 is high               | RM/IZ    | Dilution |
| 16  | Q2869-07    | EB01-081325        | SAM    | 08/15/25 11:59 |                              | RM/IZ    | OK       |
| 17  | Q2878-01    | MW-18B-57.5-081325 | SAM    | 08/15/25 12:42 | Cl,SO4 is high               | RM/IZ    | Dilution |
| 18  | Q2878-01MS  | MW-18B-57.5-081325 | MS     | 08/15/25 13:04 | 9.5ml of sample, 0.5mL W3092 | RM/IZ    | OK       |

Instrument ID: IC-1

**Daily Analysis Runlog For Sequence/QC Batch ID # LB136833**

|                  |                                                                |              |                       |
|------------------|----------------------------------------------------------------|--------------|-----------------------|
| Review By        | rubina                                                         | Review On    | 8/19/2025 5:04:52 PM  |
| Supervise By     | Sohil                                                          | Supervise On | 8/20/2025 11:21:28 AM |
| SubDirectory     | LB136833                                                       | Test         | Anions                |
| <b>STD. NAME</b> | <b>STD REF.#</b>                                               |              |                       |
| ICAL Standard    | WP114185,WP114186,WP114187,WP114188,WP114189,WP114190,WP114191 |              |                       |
| ICV Standard     | WP114192                                                       |              |                       |
| CCV Standard     | WP114307                                                       |              |                       |
| ICSA Standard    | N/A                                                            |              |                       |
| CRI Standard     | N/A                                                            |              |                       |
| LCS Standard     | WP114308                                                       |              |                       |
| Chk Standard     | WP114193,WP114194                                              |              |                       |

|    |             |                    |     |                |                              |       |          |
|----|-------------|--------------------|-----|----------------|------------------------------|-------|----------|
| 19 | Q2878-01MSD | MW-18B-57.5-081325 | MSD | 08/15/25 13:25 | 9.5ml of sample, 0.5mL W3092 | RM/IZ | OK       |
| 20 | Q2869-01DL  | MW-19B-71.5-081325 | SAM | 08/15/25 13:47 | 10X For Cl,SO4               | RM/IZ | Confirms |
| 21 | Q2869-05DL  | MW-19B-71.5-081325 | SAM | 08/15/25 14:08 | 10X For Cl,SO4               | RM/IZ | Confirms |
| 22 | CCV2        | CCV2               | CCV | 08/15/25 14:30 |                              | RM/IZ | OK       |
| 23 | CCB2        | CCB2               | CCB | 08/15/25 14:51 |                              | RM/IZ | OK       |
| 24 | Q2878-01DL  | MW-18B-57.5-081325 | SAM | 08/15/25 15:13 | 10X For Cl,SO4               | RM/IZ | Confirms |
| 25 | CCV3        | CCV3               | CCV | 08/15/25 15:56 |                              | RM/IZ | OK       |
| 26 | CCB3        | CCB3               | CCB | 08/15/25 16:17 |                              | RM/IZ | OK       |

**Instrument ID:** WC SC-3

**Daily Analysis Runlog For Sequence/QC Batch ID # LB136835**

|                  |                  |              |                       |
|------------------|------------------|--------------|-----------------------|
| Review By        | jignesh          | Review On    | 8/15/2025 12:01:25 PM |
| Supervise By     | rubina           | Supervise On | 8/15/2025 12:31:13 PM |
| SubDirectory     | LB136835         | Test         | TDS                   |
| <b>STD. NAME</b> | <b>STD REF.#</b> |              |                       |
| ICAL Standard    | N/A              |              |                       |
| ICV Standard     | N/A              |              |                       |
| CCV Standard     | N/A              |              |                       |
| ICSA Standard    | N/A              |              |                       |
| CRI Standard     | N/A              |              |                       |
| LCS Standard     | N/A              |              |                       |
| Chk Standard     | N/A              |              |                       |

| Sr# | SampleId    | ClientID           | QcType | Date           | Comment | Operator | Status |
|-----|-------------|--------------------|--------|----------------|---------|----------|--------|
| 1   | LB136835BL  | LB136835BL         | MB     | 08/14/25 17:20 |         | jignesh  | OK     |
| 2   | LB136835BS  | LB136835BS         | LCS    | 08/14/25 17:20 |         | jignesh  | OK     |
| 3   | Q2842-03    | MW-17B-55.5-081220 | SAM    | 08/14/25 17:20 |         | jignesh  | OK     |
| 4   | Q2842-03DUP | MW-17B-55.5-081220 | DUP    | 08/14/25 17:20 |         | jignesh  | OK     |
| 5   | Q2860-01    | TOWER#1            | SAM    | 08/14/25 17:20 |         | jignesh  | OK     |
| 6   | Q2860-02    | TOWER#2            | SAM    | 08/14/25 17:20 |         | jignesh  | OK     |
| 7   | Q2869-01    | MW-19B-71.5-081325 | SAM    | 08/14/25 17:20 |         | jignesh  | OK     |
| 8   | Q2869-05    | MW-19B-71.5-081325 | SAM    | 08/14/25 17:20 |         | jignesh  | OK     |
| 9   | Q2869-07    | EB01-081325        | SAM    | 08/14/25 17:20 |         | jignesh  | OK     |
| 10  | Q2878-01    | MW-18B-57.5-081325 | SAM    | 08/14/25 17:20 |         | jignesh  | OK     |

**Instrument ID:** TITRATOR

**Daily Analysis Runlog For Sequence/QC Batch ID # LB136847**

|                  |                   |              |                       |
|------------------|-------------------|--------------|-----------------------|
| Review By        | Eman              | Review On    | 8/19/2025 4:34:43 PM  |
| Supervise By     | Sohil             | Supervise On | 8/20/2025 11:21:54 AM |
| SubDirectory     | LB136847          | Test         | Alkalinity            |
| <b>STD. NAME</b> | <b>STD REF.#</b>  |              |                       |
| ICAL Standard    | N/A               |              |                       |
| ICV Standard     | N/A               |              |                       |
| CCV Standard     | N/A               |              |                       |
| ICSA Standard    | N/A               |              |                       |
| CRI Standard     | N/A               |              |                       |
| LCS Standard     | WP114306          |              |                       |
| Chk Standard     | W3217,W3178,W3150 |              |                       |

| Sr# | SampleId    | ClientID           | QcType | Date           | Comment | Operator | Status |
|-----|-------------|--------------------|--------|----------------|---------|----------|--------|
| 1   | LB136847BLW | LB136847BLW        | MB     | 08/15/25 09:05 | pH=3.78 | Eman     | OK     |
| 2   | LB136847BSW | LB136847BSW        | LCS    | 08/15/25 09:09 | pH=4.46 | Eman     | OK     |
| 3   | Q2842-03    | MW-17B-55.5-081220 | SAM    | 08/15/25 09:13 | pH=4.42 | Eman     | OK     |
| 4   | Q2842-03DUP | MW-17B-55.5-081220 | DUP    | 08/15/25 09:17 | pH=4.38 | Eman     | OK     |
| 5   | Q2869-01    | MW-19B-71.5-081325 | SAM    | 08/15/25 09:20 | pH=4.32 | Eman     | OK     |
| 6   | Q2869-05    | MW-19B-71.5-081325 | SAM    | 08/15/25 09:21 | pH=4.34 | Eman     | OK     |
| 7   | Q2878-01    | MW-18B-57.5-081325 | SAM    | 08/15/25 09:25 | pH=4.40 | Eman     | OK     |

**Instrument ID:** TITRATOR

**Daily Analysis Runlog For Sequence/QC Batch ID # LB136848**

|                  |                  |              |                       |
|------------------|------------------|--------------|-----------------------|
| Review By        | Eman             | Review On    | 8/18/2025 11:50:23 AM |
| Supervise By     | jignesh          | Supervise On | 8/18/2025 1:19:47 PM  |
| SubDirectory     | LB136848         | Test         | Alkalinity            |
| <b>STD. NAME</b> | <b>STD REF.#</b> |              |                       |
| ICAL Standard    | N/A              |              |                       |
| ICV Standard     | N/A              |              |                       |
| CCV Standard     | N/A              |              |                       |
| ICSA Standard    | N/A              |              |                       |
| CRI Standard     | N/A              |              |                       |
| LCS Standard     | N/A              |              |                       |
| Chk Standard     | WP114306,W3150   |              |                       |

| Sr# | SampleID    | ClientID       | QcType | Date           | Comment | Operator | Status |
|-----|-------------|----------------|--------|----------------|---------|----------|--------|
| 1   | LB136848BL  | LB136848BL     | MB     | 08/15/25 08:45 |         | Eman     | OK     |
| 2   | LB136848BS  | LB136848BS     | LCS    | 08/15/25 08:49 |         | Eman     | OK     |
| 3   | Q2869-07    | EB01-081325    | SAM    | 08/15/25 08:52 |         | Eman     | OK     |
| 4   | Q2869-07DUP | EB01-081325DUP | DUP    | 08/15/25 08:56 |         | Eman     | OK     |

## LAB CHRONICLE

|                 |                                |                   |                                           |
|-----------------|--------------------------------|-------------------|-------------------------------------------|
| <b>OrderID:</b> | Q2869                          | <b>OrderDate:</b> | 8/14/2025 9:15:00 AM                      |
| <b>Client:</b>  | JACOBS Engineering Group, Inc. | <b>Project:</b>   | Former Schlumberger STC PTC Site D3868221 |
| <b>Contact:</b> | John Ynfante                   | <b>Location:</b>  | J31,VOA Lab                               |

| LabID             | ClientID                            | Matrix       | Test          | Method   | Sample Date               | Prep Date | Anal Date         | Received        |
|-------------------|-------------------------------------|--------------|---------------|----------|---------------------------|-----------|-------------------|-----------------|
| <b>Q2869-01</b>   | <b>MW-19B-71.5-081325</b>           | <b>WATER</b> |               |          | <b>08/13/25<br/>11:52</b> |           |                   | <b>08/13/25</b> |
|                   |                                     |              | Alkalinity    | SM2320 B |                           |           | 08/15/25<br>09:20 |                 |
|                   |                                     |              | Anions Group1 | 9056A    |                           |           | 08/15/25<br>10:12 |                 |
|                   |                                     |              | TDS           | SM2540 C |                           |           | 08/14/25<br>17:20 |                 |
| <b>Q2869-01DL</b> | <b>MW-19B-71.5-081325<br/>DL</b>    | <b>WATER</b> |               |          | <b>08/13/25<br/>11:52</b> |           |                   | <b>08/13/25</b> |
|                   |                                     |              | Anions Group1 | 9056A    |                           |           | 08/15/25<br>13:47 |                 |
| <b>Q2869-05</b>   | <b>MW-19B-71.5-081325<br/>-FD</b>   | <b>WATER</b> |               |          | <b>08/13/25<br/>11:55</b> |           |                   | <b>08/13/25</b> |
|                   |                                     |              | Alkalinity    | SM2320 B |                           |           | 08/15/25<br>09:21 |                 |
|                   |                                     |              | Anions Group1 | 9056A    |                           |           | 08/15/25<br>10:55 |                 |
|                   |                                     |              | TDS           | SM2540 C |                           |           | 08/14/25<br>17:20 |                 |
| <b>Q2869-05DL</b> | <b>MW-19B-71.5-081325<br/>-FDDL</b> | <b>WATER</b> |               |          | <b>08/13/25<br/>11:55</b> |           |                   | <b>08/13/25</b> |
|                   |                                     |              | Anions Group1 | 9056A    |                           |           | 08/15/25<br>14:08 |                 |
| <b>Q2869-07</b>   | <b>EB01-081325</b>                  | <b>Water</b> |               |          | <b>08/13/25<br/>15:00</b> |           |                   | <b>08/13/25</b> |
|                   |                                     |              | Alkalinity    | SM2320 B |                           |           | 08/15/25<br>08:52 |                 |

**LAB CHRONICLE**

|               |          |                   |
|---------------|----------|-------------------|
| Anions Group1 | 9056A    | 08/15/25<br>11:59 |
| TDS           | SM2540 C | 08/14/25<br>17:20 |





# SHIPPING DOCUMENTS

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: **Jacobs**  
ADDRESS: **412 Mt Kemble Ave Suite #100**  
CITY: **Morrisstown** STATE: **NJ** ZIP: **07960**  
ATTENTION: **John. Yufante**  
PHONE: FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: **STC PTC**  
PROJECT NO.: **B3868221** LOCATION: **Princeton Junction**  
PROJECT MANAGER: **Mary Murphy**  
e-mail: **Mary.Murphy@Jacobs.com**  
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: **Mary Murphy** PO#:  
ADDRESS:  
CITY STATE: ZIP:  
ATTENTION: PHONE:

ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) **Standard TAT** 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) ☐ NYS ASP A ☐ NYS ASP B  
+ Raw Data ☐ Other  
☐ EDD FORMAT

1. Site Specific Vols (8/13/25) - Labw  
2. 1:4 D-Dilution (8/13/25) - Labw  
3. 1:10 D-Dilution (8/13/25) - Labw  
4. Dissolved Iron (8/13/25) - Labw  
5. Ammonia (8/13/25) - Labw  
6. TDS (8/13/25) - Labw  
7. Ammonia (8/13/25) - Labw  
8. Ammonia (8/13/25) - Labw  
9. Ammonia (8/13/25) - Labw

| ALLIANCE<br>SAMPLE<br>ID | PROJECT<br>SAMPLE IDENTIFICATION | SAMPLE<br>MATRIX | SAMPLE<br>TYPE |      | SAMPLE<br>COLLECTION |      | # OF BOTTLES | PRESERVATIVES |   |     |   |   |   |   |                 | COMMENTS<br>← Specify Preservatives<br>A-HCl<br>B-HNO3<br>C-H2SO4<br>D-NaOH<br>E-ICE<br>F-OTHER |
|--------------------------|----------------------------------|------------------|----------------|------|----------------------|------|--------------|---------------|---|-----|---|---|---|---|-----------------|-------------------------------------------------------------------------------------------------|
|                          |                                  |                  | COMP           | GRAB | DATE                 | TIME |              | A/E           | F | B/E | F | E | E | E | A/E             |                                                                                                 |
|                          |                                  |                  |                |      |                      |      |              | 1             | 2 | 3   | 4 | 5 | 6 | 7 | 8               |                                                                                                 |
| 1.                       | MW-19B-71.5-081325               | GW               |                | X    | 8/13/25              | 1152 | 8            | X             | X | X   | X | X | X | X | <del>X</del> TH |                                                                                                 |
| 2.                       | MW-01-6.5-081325                 | GW               |                | X    | 8/13/25              | 1110 | 4            | X             | X |     |   |   |   |   |                 |                                                                                                 |
| 3.                       | MW-11A-13.5-081325               | GW               |                | X    | 8/13/25              | 1510 | 4            | X             | X |     |   |   |   |   |                 |                                                                                                 |
| 4.                       | MW-19B-71.5-081325-FD            | GW               |                | X    | 8/13/25              | 1155 | 8            | X             | X | X   | X | X | X | X |                 |                                                                                                 |
| 5.                       | EB01-081325                      | DI               |                | X    | 8/13/25              | 1500 | 9            | X             | X | X   | X | X | X | X |                 |                                                                                                 |
| 6.                       | MW-19B-71.5-081325-SIM           | GW               |                | X    | 8/13/25              | 1158 | 2            |               |   |     |   |   |   |   | X               |                                                                                                 |
| 7.                       | EB02-081325                      | DI               |                | X    | 8/13/25              | 1600 | 4            | X             | X |     |   |   |   |   |                 |                                                                                                 |
| 8.                       | TB01-081325                      | DI               |                | X    | 8/13/25              | 1605 | 2            | X             |   |     |   |   |   |   |                 |                                                                                                 |
| 9.                       |                                  |                  |                |      |                      |      |              |               |   |     |   |   |   |   |                 |                                                                                                 |
| 10.                      |                                  |                  |                |      |                      |      |              |               |   |     |   |   |   |   |                 |                                                                                                 |

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

|                                                   |                                |                                       |                                |                                                                                                                                                                           |
|---------------------------------------------------|--------------------------------|---------------------------------------|--------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| RELINQUISHED BY SAMPLER:<br>1. <b>[Signature]</b> | DATE/TIME: <b>8/13/25 1645</b> | RECEIVED BY:<br>1. <b>[Signature]</b> | DATE/TIME: <b>8-13-25 1645</b> | Conditions of bottles or coolers at receipt: <input type="checkbox"/> COMPLIANT <input type="checkbox"/> NON COMPLIANT <input type="checkbox"/> COOLER TEMP <b>2.1</b> °C |
| RELINQUISHED BY SAMPLER:<br>2. <b>[Signature]</b> | DATE/TIME:                     | RECEIVED BY:<br>2. <b>[Signature]</b> | DATE/TIME:                     | Comments: <b>See work order for list of site specific vols</b>                                                                                                            |
| RELINQUISHED BY SAMPLER:<br>3. <b>[Signature]</b> | DATE/TIME: <b>8-13-25 1810</b> | RECEIVED BY:<br>3. <b>[Signature]</b> | DATE/TIME:                     | <b>EB01 Dissolved Iron bottles are preserved w/ HNO3, the other diss iron samples are un preserved</b>                                                                    |

Page 1 of 1

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete

☐ YES ☐ NO

---

**From:** Yazmeen Gomez  
**Sent:** Wednesday, August 27, 2025 11:27 AM  
**To:** Ynfante, John  
**Subject:** Q2869 & Q2878  
**Attachments:** Q2869-01(100X).pdf; Q2869-05dup(40x).pdf; Q2878-01.pdf

John,

Please see below from the lab -

Q2869-01 (MW-19B-71.5-081325)100X  
Q2869-05(MW-19B-71.5-081325-DUP) 40X

Lab has analyzed samples at straight dilution to avoid any contamination to the instrument.

Sample has high hits of analytes and requested for sim analysis also Q2869-09(MW-19B-71.5-081325-SIM)  
Which is not possible to analyze for the sample.

Q2878-01(MW-18B-57.5-081325) sample analyzed straight without any dilution, and the sample need dilution for some analytes, also has high hit for Vinyl Chloride which is SIM target analyte

Q2878-03(MW-18B-57.5-081325-SIM) will need to be cancelled.

Best Regards,



**Yazmeen** Gomez  
**Sr. Project Manager**  
**An Alliance Technical Group Company**  
**Main:** 908-789-8900  
**Direct:** 908-728-3147  
**Address:** 284 Sheffield St, Ste 1, Mountainside, NJ 07092  
[www.alliancetg.com](http://www.alliancetg.com)   

### Laboratory Certification

| Certified By         | License No.      |
|----------------------|------------------|
|                      |                  |
| CAS EPA CLP Contract | 68HERH20D0011    |
|                      |                  |
| Connecticut          | PH-0830          |
|                      |                  |
| DOD ELAP (ANAB)      | L2219            |
|                      |                  |
| Maine                | 2024021          |
|                      |                  |
| Maryland             | 296              |
|                      |                  |
| New Hampshire        | 255424 Rev 1     |
|                      |                  |
| New Jersey           | 20012            |
|                      |                  |
| New York             | 11376            |
|                      |                  |
| Pennsylvania         | 68-00548         |
|                      |                  |
| Soil Permit          | 525-24-234-08441 |
|                      |                  |
| Texas                | TX-C25-00189     |
|                      |                  |
| Virginia             | 460312           |

## LOGIN REPORT/SAMPLE TRANSFER

|                                               |        |                                                |                                         |
|-----------------------------------------------|--------|------------------------------------------------|-----------------------------------------|
| <b>Order ID :</b> Q2869                       | JACO05 | <b>Order Date :</b> 8/14/2025 9:15:00 AM       | <b>Project Mgr :</b> Level 3            |
| <b>Client Name :</b> JACOBS Engineering Grou  |        | <b>Project Name :</b> Former Schlumberger STC  | <b>Report Type :</b> <del>Level 4</del> |
| <b>Client Contact :</b> John Ynfante          |        | <b>Receive DateTime :</b> 8/13/2025 6:18:00 PM | <b>EDD Type :</b> CH2MHILL              |
| <b>Invoice Name :</b> JACOBS Engineering Grou |        | <b>Purchase Order :</b>                        | <b>Hard Copy Date :</b>                 |
| <b>Invoice Contact :</b> John Ynfante         |        |                                                | <b>Date Signoff :</b>                   |

| LAB ID   | CLIENT ID              | MATRIX | SAMPLE DATE | SAMPLE TIME               | TEST         | TEST GROUP | METHOD      | FAX DATE | DUE DATES    |
|----------|------------------------|--------|-------------|---------------------------|--------------|------------|-------------|----------|--------------|
| Q2869-01 | MW-19B-71.5-081325     | Water  | 08/13/2025  | 11:52                     |              |            |             |          |              |
|          |                        |        |             |                           | VOCMS Group3 |            | 8260-Low    |          | 10 Bus. Days |
| Q2869-03 | MW-01-6.5-081325       | Water  | 08/13/2025  | <del>15:10</del><br>11:10 |              |            |             |          |              |
|          |                        |        |             |                           | VOCMS Group3 |            | 8260-Low    |          | 10 Bus. Days |
| Q2869-04 | MA-11A-13.5-081325     | Water  | 08/13/2025  | <del>11:55</del><br>15:10 |              |            |             |          |              |
|          |                        |        |             |                           | VOCMS Group3 |            | 8260-Low    |          | 10 Bus. Days |
| Q2869-05 | MW-19B-71.5-081325-FD  | Water  | 08/13/2025  | <del>15:00</del><br>11:55 |              |            |             |          |              |
|          |                        |        |             |                           | VOCMS Group3 |            | 8260-Low    |          | 10 Bus. Days |
| Q2869-07 | EB01-081325            | Water  | 08/13/2025  | <del>16:00</del><br>15:00 |              |            |             |          |              |
|          |                        |        |             |                           | VOCMS Group3 |            | 8260-Low    |          | 10 Bus. Days |
| Q2869-09 | MW-19B-71.5-081325-SIM | Water  | 08/13/2025  | 11:58                     |              |            |             |          |              |
|          |                        |        |             |                           | VOC-SIM      |            | SFAM_VOCSIM |          | 10 Bus. Days |
| Q2869-10 | EB02-081325            | Water  | 08/13/2025  | 16:00                     |              |            |             |          |              |
|          |                        |        |             |                           | VOCMS Group3 |            | 8260-Low    |          | 10 Bus. Days |
| Q2869-11 | TB01-081325            | Water  | 08/13/2025  | 16:05                     |              |            |             |          |              |

## LOGIN REPORT/SAMPLE TRANSFER

|                                               |        |                                                |                              |
|-----------------------------------------------|--------|------------------------------------------------|------------------------------|
| <b>Order ID :</b> Q2869                       | JACO05 | <b>Order Date :</b> 8/14/2025 9:15:00 AM       | <b>Project Mgr :</b>         |
| <b>Client Name :</b> JACOBS Engineering Grou  |        | <b>Project Name :</b> Former Schlumberger STC  | <b>Report Type :</b> Level 4 |
| <b>Client Contact :</b> John Ynfante          |        | <b>Receive DateTime :</b> 8/13/2025 6:18:00 PM | <b>EDD Type :</b> CH2MHILL   |
| <b>Invoice Name :</b> JACOBS Engineering Grou |        | <b>Purchase Order :</b>                        | <b>Hard Copy Date :</b>      |
| <b>Invoice Contact :</b> John Ynfante         |        |                                                | <b>Date Signoff :</b>        |

| LAB ID | CLIENT ID | MATRIX | SAMPLE DATE | SAMPLE TIME | TEST         | TEST GROUP | METHOD   | FAX DATE     | DUE DATES |
|--------|-----------|--------|-------------|-------------|--------------|------------|----------|--------------|-----------|
|        |           |        |             |             | VOCMS Group3 |            | 8260-Low | 10 Bus. Days |           |

Relinquished By :

Date / Time :

*[Signature]*  
8/14/25 1020

Received By :

Date / Time :

*[Signature]*  
8/14/25 10:20 *Rg #4*

Storage Area : VOA Refridgerator Room