

## Cover Page

**Order ID :** P4471

**Project ID :** Amtrak Sawtooth Bridges 2024

**Client :** Portal Partners Tri-Venture

**Lab Sample Number**

P4471-01  
P4471-02  
P4471-03

**Client Sample Number**

B-180-SB01  
B-180-SB02  
TB100824

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: 10/28/2024

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012



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

## **CASE NARRATIVE**

### **Portal Partners Tri-Venture**

**Project Name: Amtrak Sawtooth Bridges 2024**

**Project # N/A**

**Chemtech Project # P4471**

**Test Name: SVOC-TCL BNA -20**

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

2 Solid samples were received on 10/21/2024.

1 Water sample was received on 10/21/2024.

### **B. Parameters**

According to the Chain of Custody document, the following analyses were requested: EPH, Hexavalent Chromium, Mercury, Metals ICP-TAL, METALS-TAL, PCB, SVOC-TCL BNA -20, Trivalent Chromium, VOC-TCLVOA-10 and VOC-TCLVOA-10. This data package contains results for SVOC-TCL BNA -20.

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

The samples were analyzed on instrument BNA\_F using GC Column DB-UI 8270D which is 20 meters, 0.18 mm ID, 0.36 um df The analysis of SVOC-TCL BNA -20 was based on method 8270E and extraction was done based on method 3541.

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

The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria.

The Internal Standards Areas met the acceptable requirements.

The Retention Times were acceptable for all samples.

The MS {P4467-01MS} with File ID: BF140004.D recoveries met the requirements for all compounds except for 3-Nitroaniline[60%], 4-Chloroaniline[32%], these compounds did not meet the NJDKQP criteria but met the in-house criteria no corrective action was taken.

The MSD {P4467-01MSD} with File ID: BF140005.D recoveries met the acceptable requirements except for 3-Nitroaniline[68%], 4,6-Dinitro-2-methylphenol[136%], 4-Chloroaniline[35%], bis(2-Ethylhexyl)phthalate[136%], these compounds did not meet the NJDKQP criteria but met the in-house criteria, while Hexachlorocyclopentadiene [182%], this compound did not meet the NJDKQP criteria and in-house criteria and due to matrix interference no corrective action is required.

The RPD met criteria .

The Blank Spike for {PB164312BS} with File ID: BF139992.D met requirements for all samples except for 4,6-Dinitro-2-methylphenol[135%], Hexachlorocyclopentadiene [182%], these compounds did not meet the NJDKQP criteria and in-house criteria but The associate samples have no positive hit for these compounds therefore no corrective action was taken.

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

The % RSD is greater than 20% in the Initial Calibration (8270-BF101824.M) for 2,4-Dinitrophenol, this compound is passing on Linear Regression.

The Continuous Calibration File ID BF139990.D met the requirements except for 2,4-Dinitrophenol and 4,6-Dinitro-2-methylphenol, The associate samples have no positive hit for these compounds therefore no corrective action was taken.

The Continuous Calibration File ID BF140001.D met the requirements except for 2,4-Dinitrophenol and 4,6-Dinitro-2-methylphenol, The associate samples have no positive hit for these compounds therefore no corrective action was taken.

The Continuous Calibration File ID BF140050.D met the requirements except for 4,6-Dinitro-2-methylphenol, The associate samples have no positive hit for these compounds therefore no corrective action was taken.

The Tuning criteria met requirements.

**E. Additional Comments:**

The temperature of the samples at the time of receipt was 23.0°C. Lab notified this issue to the client. See the communication in shipping Document section.

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

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 <15% 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 > 15% 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.



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

---

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

Signature\_\_\_\_\_



## 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                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| U     | 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.                                                                                                                                                                                                                                 |
| ND    | Indicates the analyte was analyzed for, but not detected                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| J     | Indicates an estimated value. This flag is used:<br>(1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.)<br>(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. |
| B     | Indicates the analyte was found in the blank as well as the sample report as “12 B”.                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| E     | Indicates the analyte ‘s concentration exceeds the calibrated range of the instrument for that specific analysis.                                                                                                                                                                                                                                                                                                                                                                                                                         |
| D     | This flag identifies all compounds identified in an analysis at a secondary dilution factor.                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| P     | 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”.                                                                                                                                                                                                                                                                                                                        |
| N     | 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.                                                                                                                                                                                                                  |
| A     | This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Q     | Indicates the LCS did not meet the control limits requirements                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

**APPENDIX A**

**QA REVIEW GENERAL DOCUMENTATION**

Project #: P4471

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 Custody

✓

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: 10/28/2024

## LAB CHRONICLE

|                 |                             |                   |                                        |
|-----------------|-----------------------------|-------------------|----------------------------------------|
| <b>OrderID:</b> | P4471                       | <b>OrderDate:</b> | 10/21/2024 1:01:00 PM                  |
| <b>Client:</b>  | Portal Partners Tri-Venture | <b>Project:</b>   | Amtrak Sawtooth Bridges 2024           |
| <b>Contact:</b> | Joseph Krupansky            | <b>Location:</b>  | J61,VOA Ref. #2 Soil,VOA Ref. #3 Water |

| LabID    | ClientID   | Matrix | Test             | Method | Sample Date | Prep Date | Anal Date | Received |
|----------|------------|--------|------------------|--------|-------------|-----------|-----------|----------|
| P4471-01 | B-180-SB01 | SOIL   |                  |        | 10/19/24    |           |           | 10/21/24 |
|          |            |        | SVOC-TCL BNA -20 | 8270E  |             | 10/22/24  | 10/24/24  |          |
| P4471-02 | B-180-SB02 | SOIL   |                  |        | 10/20/24    |           |           | 10/21/24 |
|          |            |        | SVOC-TCL BNA -20 | 8270E  |             | 10/22/24  | 10/26/24  |          |

### Hit Summary Sheet SW-846

SDG No.: P4471

Client: Portal Partners Tri-Venture

| Sample ID              | Client ID  | Matrix | Parameter                            | Concentration | C  | MDL | RDL | Units |
|------------------------|------------|--------|--------------------------------------|---------------|----|-----|-----|-------|
| Client ID : B-180-SB01 |            |        |                                      |               |    |     |     |       |
| P4471-01               | B-180-SB01 | SOIL   | 2-Pentanone, 4-hydroxy-4-methyl *    | 210.000       | AB | 0   | 0   | ug/Kg |
| P4471-01               | B-180-SB01 | SOIL   | Benzophenone *                       | 200.000       | J  | 0   | 0   | ug/Kg |
| P4471-01               | B-180-SB01 | SOIL   | Butane, 2-methoxy-2-methyl- *        | 2,200.000     | JB | 0   | 0   | ug/Kg |
| P4471-01               | B-180-SB01 | SOIL   | n-Hexadecanoic acid *                | 260.000       | J  | 0   | 0   | ug/Kg |
| P4471-01               | B-180-SB01 | SOIL   | Trifluoroacetoxy hexadecane *        | 160.000       | J  | 0   | 0   | ug/Kg |
| Total Tics :           |            |        |                                      | 3,030.00      |    |     |     |       |
| Total Concentration:   |            |        |                                      | 3,030.00      |    |     |     |       |
| Client ID : B-180-SB02 |            |        |                                      |               |    |     |     |       |
| P4471-02               | B-180-SB02 | SOIL   | .alpha.-Pinene *                     | 6,600.000     | J  | 0   | 0   | ug/Kg |
| P4471-02               | B-180-SB02 | SOIL   | .gamma.-Sitosterol *                 | 480.000       | J  | 0   | 0   | ug/Kg |
| P4471-02               | B-180-SB02 | SOIL   | 1,2-15,16-Diepoxyhexadecane *        | 3,100.000     | J  | 0   | 0   | ug/Kg |
| P4471-02               | B-180-SB02 | SOIL   | 1,21-Docosadiene *                   | 420.000       | J  | 0   | 0   | ug/Kg |
| P4471-02               | B-180-SB02 | SOIL   | 1,4-Dimethyl-8-isopropylidenetric *  | 700.000       | J  | 0   | 0   | ug/Kg |
| P4471-02               | B-180-SB02 | SOIL   | 9(1H)-Phenanthrenone, 2,3,4,4a,1 *   | 830.000       | J  | 0   | 0   | ug/Kg |
| P4471-02               | B-180-SB02 | SOIL   | Bicyclo[2.2.1]heptan-2-one, 1,7,7- * | 1,200.000     | J  | 0   | 0   | ug/Kg |
| P4471-02               | B-180-SB02 | SOIL   | Butane, 2-methoxy-2-methyl- *        | 3,400.000     | JB | 0   | 0   | ug/Kg |
| P4471-02               | B-180-SB02 | SOIL   | Camphene *                           | 400.000       | J  | 0   | 0   | ug/Kg |
| P4471-02               | B-180-SB02 | SOIL   | Dehydroabietic acid *                | 400.000       | J  | 0   | 0   | ug/Kg |
| P4471-02               | B-180-SB02 | SOIL   | Docosanoic acid *                    | 420.000       | J  | 0   | 0   | ug/Kg |
| P4471-02               | B-180-SB02 | SOIL   | endo-Borneol *                       | 470.000       | J  | 0   | 0   | ug/Kg |
| P4471-02               | B-180-SB02 | SOIL   | Fenchol *                            | 510.000       | J  | 0   | 0   | ug/Kg |
| P4471-02               | B-180-SB02 | SOIL   | Heptadecyl heptafluorobutyrate *     | 910.000       | J  | 0   | 0   | ug/Kg |
| P4471-02               | B-180-SB02 | SOIL   | Hexacosane *                         | 400.000       | J  | 0   | 0   | ug/Kg |
| P4471-02               | B-180-SB02 | SOIL   | n-Hexadecanoic acid *                | 710.000       | J  | 0   | 0   | ug/Kg |
| P4471-02               | B-180-SB02 | SOIL   | Octadecyl trifluoroacetate *         | 1,100.000     | J  | 0   | 0   | ug/Kg |
| P4471-02               | B-180-SB02 | SOIL   | p-Cymene *                           | 1,000.000     | J  | 0   | 0   | ug/Kg |
| P4471-02               | B-180-SB02 | SOIL   | Terpinen-4-ol *                      | 550.000       | J  | 0   | 0   | ug/Kg |
| P4471-02               | B-180-SB02 | SOIL   | unknown13.533 *                      | 370.000       | J  | 0   | 0   | ug/Kg |
| Total Tics :           |            |        |                                      | 23,970.00     |    |     |     |       |
| Total Concentration:   |            |        |                                      | 23,970.00     |    |     |     |       |



# QC SUMMARY

## Surrogate Summary

SW-846

SDG No.: P4471

Client: Portal Partners Tri-Venture

Analytical Method: 8270E

| Lab Sample ID | Client ID  | Parameter            | Spike (PPM) | Result (PPM) | Recovery (%) | Qual | Limits (%) |           |
|---------------|------------|----------------------|-------------|--------------|--------------|------|------------|-----------|
|               |            |                      |             |              |              |      | Low        | High      |
| P4467-01MS    | TP-1MS     | 2-Fluorophenol       | 150         | 83.4         | 56           |      | 30 (18)    | 130 (112) |
|               |            | Phenol-d6            | 150         | 81.7         | 54           |      | 30 (15)    | 130 (107) |
|               |            | Nitrobenzene-d5      | 100         | 61.8         | 62           |      | 30 (18)    | 130 (107) |
|               |            | 2-Fluorobiphenyl     | 100         | 58.9         | 59           |      | 30 (20)    | 130 (109) |
|               |            | 2,4,6-Tribromophenol | 150         | 96.0         | 64           |      | 30 (10)    | 130 (116) |
|               |            | Terphenyl-d14        | 100         | 55.7         | 56           |      | 30 (10)    | 130 (105) |
| P4467-01MSD   | TP-1MSD    | 2-Fluorophenol       | 150         | 94.9         | 63           |      | 30 (18)    | 130 (112) |
|               |            | Phenol-d6            | 150         | 92.7         | 62           |      | 30 (15)    | 130 (107) |
|               |            | Nitrobenzene-d5      | 100         | 70.6         | 71           |      | 30 (18)    | 130 (107) |
|               |            | 2-Fluorobiphenyl     | 100         | 68.2         | 68           |      | 30 (20)    | 130 (109) |
|               |            | 2,4,6-Tribromophenol | 150         | 110          | 74           |      | 30 (10)    | 130 (116) |
|               |            | Terphenyl-d14        | 100         | 64.9         | 65           |      | 30 (10)    | 130 (105) |
| P4471-01      | B-180-SB01 | 2-Fluorophenol       | 150         | 97.1         | 65           |      | 30 (18)    | 130 (112) |
|               |            | Phenol-d6            | 150         | 93.5         | 62           |      | 30 (15)    | 130 (107) |
|               |            | Nitrobenzene-d5      | 100         | 75.8         | 76           |      | 30 (18)    | 130 (107) |
|               |            | 2-Fluorobiphenyl     | 100         | 75.3         | 75           |      | 30 (20)    | 130 (109) |
|               |            | 2,4,6-Tribromophenol | 150         | 104          | 69           |      | 30 (10)    | 130 (116) |
|               |            | Terphenyl-d14        | 100         | 68.2         | 68           |      | 30 (10)    | 130 (105) |
| P4471-02      | B-180-SB02 | 2-Fluorophenol       | 150         | 84.0         | 56           |      | 30 (18)    | 130 (112) |
|               |            | Phenol-d6            | 150         | 81.8         | 55           |      | 30 (15)    | 130 (107) |
|               |            | Nitrobenzene-d5      | 100         | 67.2         | 67           |      | 30 (18)    | 130 (107) |
|               |            | 2-Fluorobiphenyl     | 100         | 52.1         | 52           |      | 30 (20)    | 130 (109) |
|               |            | 2,4,6-Tribromophenol | 150         | 83.0         | 55           |      | 30 (10)    | 130 (116) |
|               |            | Terphenyl-d14        | 100         | 41.0         | 41           |      | 30 (10)    | 130 (105) |
| PB164312BL    | PB164312BL | 2-Fluorophenol       | 150         | 131          | 87           |      | 30 (18)    | 130 (112) |
|               |            | Phenol-d6            | 150         | 126          | 84           |      | 30 (15)    | 130 (107) |
|               |            | Nitrobenzene-d5      | 100         | 96.5         | 96           |      | 30 (18)    | 130 (107) |
|               |            | 2-Fluorobiphenyl     | 100         | 93.3         | 93           |      | 30 (20)    | 130 (109) |
|               |            | 2,4,6-Tribromophenol | 150         | 158          | 105          |      | 30 (10)    | 130 (116) |
|               |            | Terphenyl-d14        | 100         | 92.9         | 93           |      | 30 (10)    | 130 (105) |
| PB164312BS    | PB164312BS | 2-Fluorophenol       | 150         | 129          | 86           |      | 30 (18)    | 130 (112) |
|               |            | Phenol-d6            | 150         | 126          | 84           |      | 30 (15)    | 130 (107) |
|               |            | Nitrobenzene-d5      | 100         | 99.4         | 99           |      | 30 (18)    | 130 (107) |
|               |            | 2-Fluorobiphenyl     | 100         | 93.9         | 94           |      | 30 (20)    | 130 (109) |
|               |            | 2,4,6-Tribromophenol | 150         | 157          | 104          |      | 30 (10)    | 130 (116) |
|               |            | Terphenyl-d14        | 100         | 105          | 105          |      | 30 (10)    | 130 (105) |

**Matrix Spike/Matrix Spike Duplicate Summary**

**SW-846**

**SDG No.:** P4471

**Client:** Portal Partners Tri-Venture

**Analytical Method:** SW8270E

| Parameter                   | Spike             | Sample Result            | Result        | Units | Rec | Rec Qual | RPD | RPD Qual         | Low               | Limits High | RPD |
|-----------------------------|-------------------|--------------------------|---------------|-------|-----|----------|-----|------------------|-------------------|-------------|-----|
| <b>Lab Sample ID:</b>       | <b>P4467-01MS</b> | <b>Client Sample ID:</b> | <b>TP-1MS</b> |       |     |          |     | <b>DataFile:</b> | <b>BF140004.D</b> |             |     |
| Benzaldehyde                | 1100              | 0                        | 290           | ug/Kg | 26  |          |     |                  | 20 (10)           | 160 (86)    |     |
| Phenol                      | 1100              | 0                        | 960           | ug/Kg | 87  |          |     |                  | 20 (67)           | 160 (126)   |     |
| bis(2-Chloroethyl)ether     | 1100              | 0                        | 950           | ug/Kg | 86  |          |     |                  | 70 (54)           | 130 (125)   |     |
| 2-Chlorophenol              | 1100              | 0                        | 990           | ug/Kg | 90  |          |     |                  | 70 (79)           | 130 (107)   |     |
| 2-Methylphenol              | 1100              | 0                        | 960           | ug/Kg | 87  |          |     |                  | 70 (66)           | 130 (122)   |     |
| 2,2-oxybis(1-Chloropropane) | 1100              | 0                        | 910           | ug/Kg | 83  |          |     |                  | 70 (65)           | 130 (110)   |     |
| Acetophenone                | 1100              | 0                        | 950           | ug/Kg | 86  |          |     |                  | 70 (75)           | 130 (111)   |     |
| 3+4-Methylphenols           | 1100              | 0                        | 920           | ug/Kg | 84  |          |     |                  | 20 (66)           | 160 (104)   |     |
| N-Nitroso-di-n-propylamine  | 1100              | 0                        | 930           | ug/Kg | 85  |          |     |                  | 70 (59)           | 130 (119)   |     |
| Hexachloroethane            | 1100              | 0                        | 940           | ug/Kg | 85  |          |     |                  | 20 (65)           | 160 (117)   |     |
| Nitrobenzene                | 1100              | 0                        | 930           | ug/Kg | 85  |          |     |                  | 70 (70)           | 130 (119)   |     |
| Isophorone                  | 1100              | 0                        | 970           | ug/Kg | 88  |          |     |                  | 70 (76)           | 130 (122)   |     |
| 2-Nitrophenol               | 1100              | 0                        | 1200          | ug/Kg | 109 |          |     |                  | 70 (54)           | 130 (145)   |     |
| 2,4-Dimethylphenol          | 1100              | 0                        | 1100          | ug/Kg | 100 |          |     |                  | 70 (44)           | 130 (135)   |     |
| bis(2-Chloroethoxy)methane  | 1100              | 0                        | 950           | ug/Kg | 86  |          |     |                  | 70 (68)           | 130 (112)   |     |
| 2,4-Dichlorophenol          | 1100              | 0                        | 1000          | ug/Kg | 91  |          |     |                  | 70 (72)           | 130 (118)   |     |
| Naphthalene                 | 1100              | 0                        | 950           | ug/Kg | 86  |          |     |                  | 70 (72)           | 130 (110)   |     |
| 4-Chloroaniline             | 1100              | 0                        | 350           | ug/Kg | 32  | *        |     |                  | 70 (10)           | 130 (91)    |     |
| Hexachlorobutadiene         | 1100              | 0                        | 970           | ug/Kg | 88  |          |     |                  | 70 (66)           | 130 (114)   |     |
| Caprolactam                 | 1100              | 0                        | 990           | ug/Kg | 90  |          |     |                  | 20 (51)           | 160 (134)   |     |
| 4-Chloro-3-methylphenol     | 1100              | 0                        | 960           | ug/Kg | 87  |          |     |                  | 70 (57)           | 130 (132)   |     |
| 2-Methylnaphthalene         | 1100              | 0                        | 970           | ug/Kg | 88  |          |     |                  | 70 (59)           | 130 (123)   |     |
| Hexachlorocyclopentadiene   | 2200              | 0                        | 3500          | ug/Kg | 159 |          |     |                  | 20 (10)           | 160 (175)   |     |
| 2,4,6-Trichlorophenol       | 1100              | 0                        | 1000          | ug/Kg | 91  |          |     |                  | 70 (72)           | 130 (117)   |     |
| 2,4,5-Trichlorophenol       | 1100              | 0                        | 990           | ug/Kg | 90  |          |     |                  | 70 (72)           | 130 (117)   |     |
| 1,1-Biphenyl                | 1100              | 0                        | 980           | ug/Kg | 89  |          |     |                  | 70 (75)           | 130 (113)   |     |
| 2-Chloronaphthalene         | 1100              | 0                        | 960           | ug/Kg | 87  |          |     |                  | 70 (67)           | 130 (118)   |     |
| 2-Nitroaniline              | 1100              | 0                        | 1100          | ug/Kg | 100 |          |     |                  | 70 (69)           | 130 (127)   |     |
| Dimethylphthalate           | 1100              | 0                        | 1000          | ug/Kg | 91  |          |     |                  | 70 (70)           | 130 (113)   |     |
| Acenaphthylene              | 1100              | 0                        | 1000          | ug/Kg | 91  |          |     |                  | 70 (79)           | 130 (118)   |     |
| 2,6-Dinitrotoluene          | 1100              | 0                        | 1000          | ug/Kg | 91  |          |     |                  | 70 (70)           | 130 (125)   |     |
| 3-Nitroaniline              | 1100              | 0                        | 660           | ug/Kg | 60  | *        |     |                  | 70 (30)           | 130 (99)    |     |
| Acenaphthene                | 1100              | 0                        | 1100          | ug/Kg | 100 |          |     |                  | 70 (70)           | 130 (121)   |     |
| 2,4-Dinitrophenol           | 2200              | 0                        | 2200          | ug/Kg | 100 |          |     |                  | 20 (10)           | 160 (155)   |     |
| 4-Nitrophenol               | 2200              | 0                        | 2000          | ug/Kg | 91  |          |     |                  | 20 (45)           | 160 (133)   |     |
| Dibenzofuran                | 1100              | 0                        | 980           | ug/Kg | 89  |          |     |                  | 70 (72)           | 130 (110)   |     |
| 2,4-Dinitrotoluene          | 1100              | 0                        | 1100          | ug/Kg | 100 |          |     |                  | 70 (55)           | 130 (128)   |     |
| Diethylphthalate            | 1100              | 0                        | 990           | ug/Kg | 90  |          |     |                  | 70 (70)           | 130 (112)   |     |
| 4-Chlorophenyl-phenylether  | 1100              | 0                        | 980           | ug/Kg | 89  |          |     |                  | 70 (71)           | 130 (108)   |     |
| Fluorene                    | 1100              | 0                        | 960           | ug/Kg | 87  |          |     |                  | 70 (68)           | 130 (116)   |     |
| 4-Nitroaniline              | 1100              | 0                        | 1000          | ug/Kg | 91  |          |     |                  | 70 (55)           | 130 (120)   |     |
| 4,6-Dinitro-2-methylphenol  | 1100              | 0                        | 1300          | ug/Kg | 118 |          |     |                  | 70 (10)           | 130 (160)   |     |
| N-Nitrosodiphenylamine      | 1100              | 0                        | 1000          | ug/Kg | 91  |          |     |                  | 70 (73)           | 130 (118)   |     |
| 4-Bromophenyl-phenylether   | 1100              | 0                        | 1000          | ug/Kg | 91  |          |     |                  | 70 (65)           | 130 (121)   |     |
| Hexachlorobenzene           | 1100              | 0                        | 1000          | ug/Kg | 91  |          |     |                  | 70 (67)           | 130 (118)   |     |
| Atrazine                    | 1100              | 0                        | 1200          | ug/Kg | 109 |          |     |                  | 70 (79)           | 130 (127)   |     |

( ) = LABORATORY INHOUSE LIMIT

**Matrix Spike/Matrix Spike Duplicate Summary**

**SW-846**

**SDG No.:** P4471

**Client:** Portal Partners Tri-Venture

**Analytical Method:** SW8270E

| Parameter                  | Spike | Sample<br>Result | Result | Units | Rec | Rec<br>Qual | RPD | RPD<br>Qual | Low     | Limits<br>High | RPD |
|----------------------------|-------|------------------|--------|-------|-----|-------------|-----|-------------|---------|----------------|-----|
| Pentachlorophenol          | 2200  | 0                | 1800   | ug/Kg | 82  |             |     |             | 20 (47) | 160 (128)      |     |
| Phenanthrene               | 1100  | 0                | 980    | ug/Kg | 89  |             |     |             | 70 (52) | 130 (128)      |     |
| Anthracene                 | 1100  | 0                | 1000   | ug/Kg | 91  |             |     |             | 70 (62) | 130 (124)      |     |
| Carbazole                  | 1100  | 0                | 910    | ug/Kg | 83  |             |     |             | 70 (59) | 130 (119)      |     |
| Di-n-butylphthalate        | 1100  | 0                | 1000   | ug/Kg | 91  |             |     |             | 70 (69) | 130 (118)      |     |
| Fluoranthene               | 1100  | 0                | 860    | ug/Kg | 78  |             |     |             | 70 (44) | 130 (125)      |     |
| Pyrene                     | 1100  | 0                | 910    | ug/Kg | 83  |             |     |             | 70 (26) | 130 (142)      |     |
| Butylbenzylphthalate       | 1100  | 0                | 1200   | ug/Kg | 109 |             |     |             | 70 (64) | 130 (126)      |     |
| 3,3-Dichlorobenzidine      | 1100  | 0                | 780    | ug/Kg | 71  |             |     |             | 70 (33) | 130 (116)      |     |
| Benzo(a)anthracene         | 1100  | 0                | 1000   | ug/Kg | 91  |             |     |             | 70 (71) | 130 (114)      |     |
| Chrysene                   | 1100  | 0                | 980    | ug/Kg | 89  |             |     |             | 70 (57) | 130 (121)      |     |
| bis(2-Ethylhexyl)phthalate | 1100  | 0                | 1300   | ug/Kg | 118 |             |     |             | 70 (42) | 130 (169)      |     |
| Di-n-octyl phthalate       | 1100  | 0                | 1200   | ug/Kg | 109 |             |     |             | 70 (23) | 130 (175)      |     |
| Benzo(b)fluoranthene       | 1100  | 0                | 880    | ug/Kg | 80  |             |     |             | 70 (67) | 130 (121)      |     |
| Benzo(k)fluoranthene       | 1100  | 0                | 1000   | ug/Kg | 91  |             |     |             | 70 (57) | 130 (134)      |     |
| Benzo(a)pyrene             | 1100  | 0                | 1100   | ug/Kg | 100 |             |     |             | 70 (70) | 130 (142)      |     |
| Indeno(1,2,3-cd)pyrene     | 1100  | 0                | 1000   | ug/Kg | 91  |             |     |             | 70 (40) | 130 (129)      |     |
| Dibenz(a,h)anthracene      | 1100  | 0                | 1000   | ug/Kg | 91  |             |     |             | 70 (43) | 130 (123)      |     |
| Benzo(g,h,i)perylene       | 1100  | 0                | 870    | ug/Kg | 79  |             |     |             | 70 (24) | 130 (125)      |     |
| 1,2,4,5-Tetrachlorobenzene | 1100  | 0                | 990    | ug/Kg | 90  |             |     |             | 70 (69) | 130 (124)      |     |
| 1,4-Dioxane                | 1100  | 0                | 840    | ug/Kg | 76  |             |     |             | 20 (46) | 160 (112)      |     |
| 2,3,4,6-Tetrachlorophenol  | 1100  | 0                | 1000   | ug/Kg | 91  |             |     |             | 70 (69) | 130 (112)      |     |



**Matrix Spike/Matrix Spike Duplicate Summary**

**SW-846**

**SDG No.:** P4471

**Client:** Portal Partners Tri-Venture

**Analytical Method:** SW8270E

| Parameter                   | Spike              | Sample Result            | Result         | Units | Rec | Rec Qual | RPD | RPD Qual         | Low               | Limits High | RPD     |
|-----------------------------|--------------------|--------------------------|----------------|-------|-----|----------|-----|------------------|-------------------|-------------|---------|
| <b>Lab Sample ID:</b>       | <b>P4467-01MSD</b> | <b>Client Sample ID:</b> | <b>TP-1MSD</b> |       |     |          |     | <b>DataFile:</b> | <b>BF140005.D</b> |             |         |
| Benzaldehyde                | 1100               | 0                        | 340            | ug/Kg | 31  |          | 18  |                  | 20 (10)           | 160 (86)    | 30 (20) |
| Phenol                      | 1100               | 0                        | 1100           | ug/Kg | 100 |          | 14  |                  | 20 (67)           | 160 (126)   | 30 (20) |
| bis(2-Chloroethyl)ether     | 1100               | 0                        | 1100           | ug/Kg | 100 |          | 15  |                  | 70 (54)           | 130 (125)   | 30 (20) |
| 2-Chlorophenol              | 1100               | 0                        | 1100           | ug/Kg | 100 |          | 11  |                  | 70 (79)           | 130 (107)   | 30 (20) |
| 2-Methylphenol              | 1100               | 0                        | 1100           | ug/Kg | 100 |          | 14  |                  | 70 (66)           | 130 (122)   | 30 (20) |
| 2,2-oxybis(1-Chloropropane) | 1100               | 0                        | 1000           | ug/Kg | 91  |          | 9   |                  | 70 (65)           | 130 (110)   | 30 (20) |
| Acetophenone                | 1100               | 0                        | 1100           | ug/Kg | 100 |          | 15  |                  | 70 (75)           | 130 (111)   | 30 (20) |
| 3+4-Methylphenols           | 1100               | 0                        | 1100           | ug/Kg | 100 |          | 17  |                  | 20 (66)           | 160 (104)   | 30 (20) |
| N-Nitroso-di-n-propylamine  | 1100               | 0                        | 1100           | ug/Kg | 100 |          | 16  |                  | 70 (59)           | 130 (119)   | 30 (20) |
| Hexachloroethane            | 1100               | 0                        | 1100           | ug/Kg | 100 |          | 16  |                  | 20 (65)           | 160 (117)   | 30 (20) |
| Nitrobenzene                | 1100               | 0                        | 1100           | ug/Kg | 100 |          | 16  |                  | 70 (70)           | 130 (119)   | 30 (20) |
| Isophorone                  | 1100               | 0                        | 1100           | ug/Kg | 100 |          | 13  |                  | 70 (76)           | 130 (122)   | 30 (20) |
| 2-Nitrophenol               | 1100               | 0                        | 1400           | ug/Kg | 127 |          | 15  |                  | 70 (54)           | 130 (145)   | 30 (20) |
| 2,4-Dimethylphenol          | 1100               | 0                        | 1300           | ug/Kg | 118 |          | 17  |                  | 70 (44)           | 130 (135)   | 30 (20) |
| bis(2-Chloroethoxy)methane  | 1100               | 0                        | 1100           | ug/Kg | 100 |          | 15  |                  | 70 (68)           | 130 (112)   | 30 (20) |
| 2,4-Dichlorophenol          | 1100               | 0                        | 1100           | ug/Kg | 100 |          | 9   |                  | 70 (72)           | 130 (118)   | 30 (20) |
| Naphthalene                 | 1100               | 0                        | 1100           | ug/Kg | 100 |          | 15  |                  | 70 (72)           | 130 (110)   | 30 (20) |
| 4-Chloroaniline             | 1100               | 0                        | 390            | ug/Kg | 35  | *        | 9   |                  | 70 (10)           | 130 (91)    | 30 (20) |
| Hexachlorobutadiene         | 1100               | 0                        | 1100           | ug/Kg | 100 |          | 13  |                  | 70 (66)           | 130 (114)   | 30 (20) |
| Caprolactam                 | 1100               | 0                        | 1100           | ug/Kg | 100 |          | 11  |                  | 20 (51)           | 160 (134)   | 30 (20) |
| 4-Chloro-3-methylphenol     | 1100               | 0                        | 1100           | ug/Kg | 100 |          | 14  |                  | 70 (57)           | 130 (132)   | 30 (20) |
| 2-Methylnaphthalene         | 1100               | 0                        | 1100           | ug/Kg | 100 |          | 13  |                  | 70 (59)           | 130 (123)   | 30 (20) |
| Hexachlorocyclopentadiene   | 2200               | 0                        | 4000           | ug/Kg | 182 | *        | 13  |                  | 20 (10)           | 160 (175)   | 30 (20) |
| 2,4,6-Trichlorophenol       | 1100               | 0                        | 1200           | ug/Kg | 109 |          | 18  |                  | 70 (72)           | 130 (117)   | 30 (20) |
| 2,4,5-Trichlorophenol       | 1100               | 0                        | 1100           | ug/Kg | 100 |          | 11  |                  | 70 (72)           | 130 (117)   | 30 (20) |
| 1,1-Biphenyl                | 1100               | 0                        | 1100           | ug/Kg | 100 |          | 12  |                  | 70 (75)           | 130 (113)   | 30 (20) |
| 2-Chloronaphthalene         | 1100               | 0                        | 1100           | ug/Kg | 100 |          | 14  |                  | 70 (67)           | 130 (118)   | 30 (20) |
| 2-Nitroaniline              | 1100               | 0                        | 1200           | ug/Kg | 109 |          | 9   |                  | 70 (69)           | 130 (127)   | 30 (20) |
| Dimethylphthalate           | 1100               | 0                        | 1200           | ug/Kg | 109 |          | 18  |                  | 70 (70)           | 130 (113)   | 30 (20) |
| Acenaphthylene              | 1100               | 0                        | 1200           | ug/Kg | 109 |          | 18  |                  | 70 (79)           | 130 (118)   | 30 (20) |
| 2,6-Dinitrotoluene          | 1100               | 0                        | 1200           | ug/Kg | 109 |          | 18  |                  | 70 (70)           | 130 (125)   | 30 (20) |
| 3-Nitroaniline              | 1100               | 0                        | 750            | ug/Kg | 68  | *        | 13  |                  | 70 (30)           | 130 (99)    | 30 (20) |
| Acenaphthene                | 1100               | 0                        | 1200           | ug/Kg | 109 |          | 9   |                  | 70 (70)           | 130 (121)   | 30 (20) |
| 2,4-Dinitrophenol           | 2200               | 0                        | 2400           | ug/Kg | 109 |          | 9   |                  | 20 (10)           | 160 (155)   | 30 (20) |
| 4-Nitrophenol               | 2200               | 0                        | 2300           | ug/Kg | 105 |          | 14  |                  | 20 (45)           | 160 (133)   | 30 (20) |
| Dibenzofuran                | 1100               | 0                        | 1100           | ug/Kg | 100 |          | 12  |                  | 70 (72)           | 130 (110)   | 30 (20) |
| 2,4-Dinitrotoluene          | 1100               | 0                        | 1300           | ug/Kg | 118 |          | 17  |                  | 70 (55)           | 130 (128)   | 30 (20) |
| Diethylphthalate            | 1100               | 0                        | 1100           | ug/Kg | 100 |          | 11  |                  | 70 (70)           | 130 (112)   | 30 (20) |
| 4-Chlorophenyl-phenylether  | 1100               | 0                        | 1100           | ug/Kg | 100 |          | 12  |                  | 70 (71)           | 130 (108)   | 30 (20) |
| Fluorene                    | 1100               | 0                        | 1100           | ug/Kg | 100 |          | 14  |                  | 70 (68)           | 130 (116)   | 30 (20) |
| 4-Nitroaniline              | 1100               | 0                        | 1200           | ug/Kg | 109 |          | 18  |                  | 70 (55)           | 130 (120)   | 30 (20) |
| 4,6-Dinitro-2-methylphenol  | 1100               | 0                        | 1500           | ug/Kg | 136 | *        | 14  |                  | 70 (10)           | 130 (160)   | 30 (20) |
| N-Nitrosodiphenylamine      | 1100               | 0                        | 1200           | ug/Kg | 109 |          | 18  |                  | 70 (73)           | 130 (118)   | 30 (20) |
| 4-Bromophenyl-phenylether   | 1100               | 0                        | 1200           | ug/Kg | 109 |          | 18  |                  | 70 (65)           | 130 (121)   | 30 (20) |
| Hexachlorobenzene           | 1100               | 0                        | 1200           | ug/Kg | 109 |          | 18  |                  | 70 (67)           | 130 (118)   | 30 (20) |
| Atrazine                    | 1100               | 0                        | 1400           | ug/Kg | 127 |          | 15  |                  | 70 (79)           | 130 (127)   | 30 (20) |

( ) = LABORATORY INHOUSE LIMIT

**Matrix Spike/Matrix Spike Duplicate Summary**

**SW-846**

**SDG No.:** P4471

**Client:** Portal Partners Tri-Venture

**Analytical Method:** SW8270E

| Parameter                  | Spike | Sample<br>Result | Result | Units | Rec | Rec<br>Qual | RPD | RPD<br>Qual | Low     | Limits<br>High | RPD     |
|----------------------------|-------|------------------|--------|-------|-----|-------------|-----|-------------|---------|----------------|---------|
| Pentachlorophenol          | 2200  | 0                | 2100   | ug/Kg | 95  |             | 15  |             | 20 (47) | 160 (128)      | 30 (20) |
| Phenanthrene               | 1100  | 0                | 1100   | ug/Kg | 100 |             | 12  |             | 70 (52) | 130 (128)      | 30 (20) |
| Anthracene                 | 1100  | 0                | 1200   | ug/Kg | 109 |             | 18  |             | 70 (62) | 130 (124)      | 30 (20) |
| Carbazole                  | 1100  | 0                | 1100   | ug/Kg | 100 |             | 19  |             | 70 (59) | 130 (119)      | 30 (20) |
| Di-n-butylphthalate        | 1100  | 0                | 1200   | ug/Kg | 109 |             | 18  |             | 70 (69) | 130 (118)      | 30 (20) |
| Fluoranthene               | 1100  | 0                | 1000   | ug/Kg | 91  |             | 15  |             | 70 (44) | 130 (125)      | 30 (20) |
| Pyrene                     | 1100  | 0                | 1000   | ug/Kg | 91  |             | 9   |             | 70 (26) | 130 (142)      | 30 (20) |
| Butylbenzylphthalate       | 1100  | 0                | 1300   | ug/Kg | 118 |             | 8   |             | 70 (64) | 130 (126)      | 30 (20) |
| 3,3-Dichlorobenzidine      | 1100  | 0                | 820    | ug/Kg | 75  |             | 5   |             | 70 (33) | 130 (116)      | 30 (20) |
| Benzo(a)anthracene         | 1100  | 0                | 1200   | ug/Kg | 109 |             | 18  |             | 70 (71) | 130 (114)      | 30 (20) |
| Chrysene                   | 1100  | 0                | 1100   | ug/Kg | 100 |             | 12  |             | 70 (57) | 130 (121)      | 30 (20) |
| bis(2-Ethylhexyl)phthalate | 1100  | 0                | 1500   | ug/Kg | 136 | *           | 14  |             | 70 (42) | 130 (169)      | 30 (20) |
| Di-n-octyl phthalate       | 1100  | 0                | 1400   | ug/Kg | 127 |             | 15  |             | 70 (23) | 130 (175)      | 30 (20) |
| Benzo(b)fluoranthene       | 1100  | 0                | 1000   | ug/Kg | 91  |             | 13  |             | 70 (67) | 130 (121)      | 30 (20) |
| Benzo(k)fluoranthene       | 1100  | 0                | 1200   | ug/Kg | 109 |             | 18  |             | 70 (57) | 130 (134)      | 30 (20) |
| Benzo(a)pyrene             | 1100  | 0                | 1200   | ug/Kg | 109 |             | 9   |             | 70 (70) | 130 (142)      | 30 (20) |
| Indeno(1,2,3-cd)pyrene     | 1100  | 0                | 1200   | ug/Kg | 109 |             | 18  |             | 70 (40) | 130 (129)      | 30 (20) |
| Dibenz(a,h)anthracene      | 1100  | 0                | 1200   | ug/Kg | 109 |             | 18  |             | 70 (43) | 130 (123)      | 30 (20) |
| Benzo(g,h,i)perylene       | 1100  | 0                | 990    | ug/Kg | 90  |             | 13  |             | 70 (24) | 130 (125)      | 30 (20) |
| 1,2,4,5-Tetrachlorobenzene | 1100  | 0                | 1200   | ug/Kg | 109 |             | 19  |             | 70 (69) | 130 (124)      | 30 (20) |
| 1,4-Dioxane                | 1100  | 0                | 960    | ug/Kg | 87  |             | 13  |             | 20 (46) | 160 (112)      | 30 (20) |
| 2,3,4,6-Tetrachlorophenol  | 1100  | 0                | 1200   | ug/Kg | 109 |             | 18  |             | 70 (69) | 130 (112)      | 30 (20) |

## Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4471

Client: Portal Partners Tri-Venture

Analytical Method: 8270E

DataFile: BF139992.D

| Lab Sample ID | Parameter                   | Spike | Result | Unit  | Rec | RPD | Qual | RPD  |         | Limits    |     |
|---------------|-----------------------------|-------|--------|-------|-----|-----|------|------|---------|-----------|-----|
|               |                             |       |        |       |     |     |      | Qual | Low     | High      | RPD |
| PB164312BS    | Benzaldehyde                | 1700  | 500    | ug/Kg | 29  |     |      |      | 20 (10) | 160 (133) |     |
|               | Phenol                      | 1700  | 1500   | ug/Kg | 88  |     |      |      | 20 (62) | 160 (112) |     |
|               | bis(2-Chloroethyl)ether     | 1700  | 1500   | ug/Kg | 88  |     |      |      | 70 (60) | 130 (101) |     |
|               | 2-Chlorophenol              | 1700  | 1600   | ug/Kg | 94  |     |      |      | 70 (65) | 130 (112) |     |
|               | 2-Methylphenol              | 1700  | 1500   | ug/Kg | 88  |     |      |      | 70 (61) | 130 (108) |     |
|               | 2,2-oxybis(1-Chloropropane) | 1700  | 1500   | ug/Kg | 88  |     |      |      | 70 (51) | 130 (100) |     |
|               | Acetophenone                | 1700  | 1500   | ug/Kg | 88  |     |      |      | 70 (66) | 130 (98)  |     |
|               | 3+4-Methylphenols           | 1700  | 1500   | ug/Kg | 88  |     |      |      | 20 (58) | 160 (111) |     |
|               | N-Nitroso-di-n-propylamine  | 1700  | 1500   | ug/Kg | 88  |     |      |      | 70 (63) | 130 (95)  |     |
|               | Hexachloroethane            | 1700  | 1500   | ug/Kg | 88  |     |      |      | 20 (72) | 160 (108) |     |
|               | Nitrobenzene                | 1700  | 1500   | ug/Kg | 88  |     |      |      | 70 (57) | 130 (101) |     |
|               | Isophorone                  | 1700  | 1600   | ug/Kg | 94  |     |      |      | 70 (59) | 130 (99)  |     |
|               | 2-Nitrophenol               | 1700  | 1900   | ug/Kg | 112 |     |      |      | 70 (61) | 130 (111) |     |
|               | 2,4-Dimethylphenol          | 1700  | 1800   | ug/Kg | 106 |     |      |      | 70 (46) | 130 (141) |     |
|               | bis(2-Chloroethoxy)methane  | 1700  | 1600   | ug/Kg | 94  |     |      |      | 70 (66) | 130 (97)  |     |
|               | 2,4-Dichlorophenol          | 1700  | 1600   | ug/Kg | 94  |     |      |      | 70 (62) | 130 (107) |     |
|               | Naphthalene                 | 1700  | 1500   | ug/Kg | 88  |     |      |      | 70 (62) | 130 (100) |     |
|               | 4-Chloroaniline             | 1700  | 1200   | ug/Kg | 71  |     |      |      | 70 (16) | 130 (100) |     |
|               | Hexachlorobutadiene         | 1700  | 1600   | ug/Kg | 94  |     |      |      | 70 (53) | 130 (98)  |     |
|               | Caprolactam                 | 1700  | 1600   | ug/Kg | 94  |     |      |      | 20 (67) | 160 (110) |     |
|               | 4-Chloro-3-methylphenol     | 1700  | 1500   | ug/Kg | 88  |     |      |      | 70 (58) | 130 (112) |     |
|               | 2-Methylnaphthalene         | 1700  | 1600   | ug/Kg | 94  |     |      |      | 70 (60) | 130 (104) |     |
|               | Hexachlorocyclopentadiene   | 3300  | 6000   | ug/Kg | 182 |     | *    |      | 20 (45) | 160 (165) |     |
|               | 2,4,6-Trichlorophenol       | 1700  | 1700   | ug/Kg | 100 |     |      |      | 70 (59) | 130 (102) |     |
|               | 2,4,5-Trichlorophenol       | 1700  | 1600   | ug/Kg | 94  |     |      |      | 70 (61) | 130 (98)  |     |
|               | 1,1-Biphenyl                | 1700  | 1500   | ug/Kg | 88  |     |      |      | 70 (57) | 130 (103) |     |
|               | 2-Chloronaphthalene         | 1700  | 1500   | ug/Kg | 88  |     |      |      | 70 (58) | 130 (99)  |     |
|               | 2-Nitroaniline              | 1700  | 1700   | ug/Kg | 100 |     |      |      | 70 (66) | 130 (101) |     |
|               | Dimethylphthalate           | 1700  | 1600   | ug/Kg | 94  |     |      |      | 70 (61) | 130 (99)  |     |
|               | Acenaphthylene              | 1700  | 1600   | ug/Kg | 94  |     |      |      | 70 (63) | 130 (101) |     |
|               | 2,6-Dinitrotoluene          | 1700  | 1600   | ug/Kg | 94  |     |      |      | 70 (61) | 130 (104) |     |
|               | 3-Nitroaniline              | 1700  | 1300   | ug/Kg | 76  |     |      |      | 70 (28) | 130 (100) |     |
|               | Acenaphthene                | 1700  | 1700   | ug/Kg | 100 |     |      |      | 70 (57) | 130 (104) |     |
|               | 2,4-Dinitrophenol           | 3300  | 4300   | ug/Kg | 130 |     |      |      | 20 (37) | 160 (128) |     |
|               | 4-Nitrophenol               | 3300  | 3400   | ug/Kg | 103 |     |      |      | 20 (48) | 160 (119) |     |
|               | Dibenzofuran                | 1700  | 1500   | ug/Kg | 88  |     |      |      | 70 (63) | 130 (99)  |     |
|               | 2,4-Dinitrotoluene          | 1700  | 1800   | ug/Kg | 106 |     |      |      | 70 (60) | 130 (106) |     |
|               | Diethylphthalate            | 1700  | 1500   | ug/Kg | 88  |     |      |      | 70 (60) | 130 (101) |     |
|               | 4-Chlorophenyl-phenylether  | 1700  | 1600   | ug/Kg | 94  |     |      |      | 70 (58) | 130 (98)  |     |
|               | Fluorene                    | 1700  | 1500   | ug/Kg | 88  |     |      |      | 70 (61) | 130 (101) |     |
|               | 4-Nitroaniline              | 1700  | 1600   | ug/Kg | 94  |     |      |      | 70 (64) | 130 (103) |     |
|               | 4,6-Dinitro-2-methylphenol  | 1700  | 2300   | ug/Kg | 135 |     | *    |      | 70 (76) | 130 (113) |     |
|               | N-Nitrosodiphenylamine      | 1700  | 1500   | ug/Kg | 88  |     |      |      | 70 (71) | 130 (99)  |     |
|               | 4-Bromophenyl-phenylether   | 1700  | 1600   | ug/Kg | 94  |     |      |      | 70 (66) | 130 (102) |     |

## Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4471

Client: Portal Partners Tri-Venture

Analytical Method: 8270E

DataFile: BF139992.D

| Lab Sample ID | Parameter                  | Spike | Result | Unit  | Rec | RPD | Qual | RPD  | Limits  |           | RPD |
|---------------|----------------------------|-------|--------|-------|-----|-----|------|------|---------|-----------|-----|
|               |                            |       |        |       |     |     |      | Qual | Low     | High      |     |
| PB164312BS    | Hexachlorobenzene          | 1700  | 1600   | ug/Kg | 94  |     |      |      | 70 (64) | 130 (98)  |     |
|               | Atrazine                   | 1700  | 1800   | ug/Kg | 106 |     |      |      | 70 (47) | 130 (152) |     |
|               | Pentachlorophenol          | 3300  | 3200   | ug/Kg | 97  |     |      |      | 20 (67) | 160 (105) |     |
|               | Phenanthrene               | 1700  | 1600   | ug/Kg | 94  |     |      |      | 70 (59) | 130 (103) |     |
|               | Anthracene                 | 1700  | 1600   | ug/Kg | 94  |     |      |      | 70 (61) | 130 (105) |     |
|               | Carbazole                  | 1700  | 1500   | ug/Kg | 88  |     |      |      | 70 (61) | 130 (99)  |     |
|               | Di-n-butylphthalate        | 1700  | 1500   | ug/Kg | 88  |     |      |      | 70 (58) | 130 (104) |     |
|               | Fluoranthene               | 1700  | 1500   | ug/Kg | 88  |     |      |      | 70 (57) | 130 (107) |     |
|               | Pyrene                     | 1700  | 1600   | ug/Kg | 94  |     |      |      | 70 (59) | 130 (103) |     |
|               | Butylbenzylphthalate       | 1700  | 1700   | ug/Kg | 100 |     |      |      | 70 (55) | 130 (103) |     |
|               | 3,3-Dichlorobenzidine      | 1700  | 1500   | ug/Kg | 88  |     |      |      | 70 (42) | 130 (91)  |     |
|               | Benzo(a)anthracene         | 1700  | 1600   | ug/Kg | 94  |     |      |      | 70 (60) | 130 (102) |     |
|               | Chrysene                   | 1700  | 1600   | ug/Kg | 94  |     |      |      | 70 (59) | 130 (101) |     |
|               | bis(2-Ethylhexyl)phthalate | 1700  | 1700   | ug/Kg | 100 |     |      |      | 70 (54) | 130 (135) |     |
|               | Di-n-octyl phthalate       | 1700  | 1600   | ug/Kg | 94  |     |      |      | 70 (52) | 130 (137) |     |
|               | Benzo(b)fluoranthene       | 1700  | 1600   | ug/Kg | 94  |     |      |      | 70 (62) | 130 (109) |     |
|               | Benzo(k)fluoranthene       | 1700  | 1500   | ug/Kg | 88  |     |      |      | 70 (62) | 130 (109) |     |
|               | Benzo(a)pyrene             | 1700  | 1700   | ug/Kg | 100 |     |      |      | 70 (63) | 130 (103) |     |
|               | Indeno(1,2,3-cd)pyrene     | 1700  | 1800   | ug/Kg | 106 |     |      |      | 70 (63) | 130 (101) |     |
|               | Dibenz(a,h)anthracene      | 1700  | 1800   | ug/Kg | 106 |     |      |      | 70 (61) | 130 (112) |     |
|               | Benzo(g,h,i)perylene       | 1700  | 1700   | ug/Kg | 100 |     |      |      | 70 (70) | 130 (108) |     |
|               | 1,2,4,5-Tetrachlorobenzene | 1700  | 1600   | ug/Kg | 94  |     |      |      | 70 (53) | 130 (101) |     |
|               | 1,4-Dioxane                | 1700  | 1300   | ug/Kg | 76  |     |      |      | 20 (50) | 160 (96)  |     |
|               | 2,3,4,6-Tetrachlorophenol  | 1700  | 1700   | ug/Kg | 100 |     |      |      | 70 (59) | 130 (108) |     |

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB164312BL

Lab Name: CHEMTECH

Contract: PORT06

Lab Code: CHEM Case No.: P4471

SAS No.: P4471 SDG NO.: P4471

Lab File ID: BF139991.D

Lab Sample ID: PB164312BL

Instrument ID: BNA\_F

Date Extracted: 10/22/2024

Matrix: (soil/water) SOIL

Date Analyzed: 10/24/2024

Level: (low/med) LOW

Time Analyzed: 10:23

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 |
|-------------------|------------------|----------------|------------------|
| PB164312BS        | PB164312BS       | BF139992.D     | 10/24/2024       |
| B-180-SB01        | P4471-01         | BF140011.D     | 10/24/2024       |
| B-180-SB02        | P4471-02         | BF140064.D     | 10/26/2024       |
| TP-1MS            | P4467-01MS       | BF140004.D     | 10/24/2024       |
| TP-1MSD           | P4467-01MSD      | BF140005.D     | 10/24/2024       |

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



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

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECHContract: PORT06Lab Code: CHEMSAS No.: P4471 SDG NO.: P4471Lab File ID: BF139843.DDFTPP Injection Date: 10/18/2024Instrument ID: BNA\_FDFTPP Injection Time: 09:22

| m/e | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 51  | 10.0 - 80.0% of mass 198           | 43.8                 |
| 68  | Less than 2.0% of mass 69          | 0.7 ( 1.9 ) 1        |
| 69  | Mass 69 relative abundance         | 37.8                 |
| 70  | Less than 2.0% of mass 69          | 0.3 ( 0.7 ) 1        |
| 127 | 10.0 - 80.0% of mass 198           | 46.9                 |
| 197 | Less than 2.0% of mass 198         | 0.8                  |
| 198 | Base Peak, 100% relative abundance | 100                  |
| 199 | 5.0 to 9.0% of mass 198            | 6.7                  |
| 275 | 10.0 - 60.0% of mass 198           | 26.9                 |
| 365 | Greater than 1% of mass 198        | 3.4                  |
| 441 | Present, but less than mass 443    | 14                   |
| 442 | Greater than 50% of mass 198       | 93.1                 |
| 443 | 15.0 - 24.0% of mass 442           | 17.9 ( 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 |
|-------------------|------------------|----------------|------------------|------------------|
| SSTDICC2.5        | SSTDICC2.5       | BF139844.D     | 10/18/2024       | 10:27            |
| SSTDICC005        | SSTDICC005       | BF139845.D     | 10/18/2024       | 10:55            |
| SSTDICC010        | SSTDICC010       | BF139846.D     | 10/18/2024       | 11:23            |
| SSTDICC020        | SSTDICC020       | BF139847.D     | 10/18/2024       | 11:52            |
| SSTDICCC040       | SSTDICCC040      | BF139848.D     | 10/18/2024       | 12:20            |
| SSTDICC050        | SSTDICC050       | BF139849.D     | 10/18/2024       | 12:49            |
| SSTDICC060        | SSTDICC060       | BF139850.D     | 10/18/2024       | 13:17            |
| SSTDICC080        | SSTDICC080       | BF139851.D     | 10/18/2024       | 13:46            |



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

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECHContract: PORT06Lab Code: CHEMSAS No.: P4471 SDG NO.: P4471Lab File ID: BF139989.DDFTPP Injection Date: 10/24/2024Instrument ID: BNA\_FDFTPP Injection Time: 09:26

| m/e | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 51  | 10.0 - 80.0% of mass 198           | 32.5                 |
| 68  | Less than 2.0% of mass 69          | 0.6 ( 1.9 ) 1        |
| 69  | Mass 69 relative abundance         | 29.8                 |
| 70  | Less than 2.0% of mass 69          | 0.2 ( 0.7 ) 1        |
| 127 | 10.0 - 80.0% of mass 198           | 37.5                 |
| 197 | Less than 2.0% of mass 198         | 0.6                  |
| 198 | Base Peak, 100% relative abundance | 100                  |
| 199 | 5.0 to 9.0% of mass 198            | 5.6                  |
| 275 | 10.0 - 60.0% of mass 198           | 24.9                 |
| 365 | Greater than 1% of mass 198        | 3.2                  |
| 441 | Present, but less than mass 443    | 14.9                 |
| 442 | Greater than 50% of mass 198       | 100                  |
| 443 | 15.0 - 24.0% of mass 442           | 19.1 ( 19.1 ) 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 |
|-------------------|------------------|----------------|------------------|------------------|
| SSTDCCC040        | SSTDCCC040       | BF139990.D     | 10/24/2024       | 09:55            |
| PB164312BL        | PB164312BL       | BF139991.D     | 10/24/2024       | 10:23            |
| PB164312BS        | PB164312BS       | BF139992.D     | 10/24/2024       | 10:52            |



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

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECHContract: PORT06Lab Code: CHEMSAS No.: P4471 SDG NO.: P4471Lab File ID: BF140000.DDFTPP Injection Date: 10/24/2024Instrument ID: BNA\_FDFTPP Injection Time: 14:47

| m/e | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 51  | 10.0 - 80.0% of mass 198           | 40                   |
| 68  | Less than 2.0% of mass 69          | 0.7 ( 1.9 ) 1        |
| 69  | Mass 69 relative abundance         | 35.2                 |
| 70  | Less than 2.0% of mass 69          | 0.2 ( 0.7 ) 1        |
| 127 | 10.0 - 80.0% of mass 198           | 44.2                 |
| 197 | Less than 2.0% of mass 198         | 0.0                  |
| 198 | Base Peak, 100% relative abundance | 100                  |
| 199 | 5.0 to 9.0% of mass 198            | 6.7                  |
| 275 | 10.0 - 60.0% of mass 198           | 26.7                 |
| 365 | Greater than 1% of mass 198        | 3.5                  |
| 441 | Present, but less than mass 443    | 15.7                 |
| 442 | Greater than 50% of mass 198       | 100                  |
| 443 | 15.0 - 24.0% of mass 442           | 19.3 ( 19.3 ) 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 |
|-------------------|------------------|----------------|------------------|------------------|
| SSTDCCC040        | SSTDCCC040       | BF140001.D     | 10/24/2024       | 15:16            |
| TP-1MS            | P4467-01MS       | BF140004.D     | 10/24/2024       | 16:48            |
| TP-1MSD           | P4467-01MSD      | BF140005.D     | 10/24/2024       | 17:17            |
| B-180-SB01        | P4471-01         | BF140011.D     | 10/24/2024       | 20:08            |





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

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECHContract: PORT06Lab Code: CHEMSAS No.: P4471 SDG NO.: P4471Lab File ID: BF140049.DDFTPP Injection Date: 10/26/2024Instrument ID: BNA\_FDFTPP Injection Time: 10:10

| m/e | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 51  | 10.0 - 80.0% of mass 198           | 42.1                 |
| 68  | Less than 2.0% of mass 69          | 0.7 ( 1.8 ) 1        |
| 69  | Mass 69 relative abundance         | 38.1                 |
| 70  | Less than 2.0% of mass 69          | 0.3 ( 0.7 ) 1        |
| 127 | 10.0 - 80.0% of mass 198           | 47.5                 |
| 197 | Less than 2.0% of mass 198         | 0.0                  |
| 198 | Base Peak, 100% relative abundance | 100                  |
| 199 | 5.0 to 9.0% of mass 198            | 6.5                  |
| 275 | 10.0 - 60.0% of mass 198           | 28.3                 |
| 365 | Greater than 1% of mass 198        | 3.3                  |
| 441 | Present, but less than mass 443    | 14.1                 |
| 442 | Greater than 50% of mass 198       | 93.5                 |
| 443 | 15.0 - 24.0% of mass 442           | 18.1 ( 19.4 ) 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 |
|-------------------|------------------|----------------|------------------|------------------|
| SSTDCCC040        | SSTDCCC040       | BF140050.D     | 10/26/2024       | 10:38            |
| B-180-SB02        | P4471-02         | BF140064.D     | 10/26/2024       | 17:16            |

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4471 SAS No.: P4471 SDG NO.: P4471

EPA Sample No.: SSTDCCC040 Date Analyzed: 10/24/2024

Lab File ID: BF139990.D Time Analyzed: 09:55

Instrument ID: BNA\_F GC Column: DB-UI ID: 0.18 (mm)

|                | IS1 (DCB)<br>AREA # | RT #  | IS2 (NPT)<br>AREA # | RT #  | IS3 (ANT)<br>AREA # | RT #   |
|----------------|---------------------|-------|---------------------|-------|---------------------|--------|
| 12 HOUR STD    | 160242              | 6.892 | 587754              | 8.18  | 322730              | 9.93   |
| UPPER LIMIT    | 320484              | 7.392 | 1175510             | 8.675 | 645460              | 10.428 |
| LOWER LIMIT    | 80121               | 6.392 | 293877              | 7.675 | 161365              | 9.428  |
| EPA SAMPLE NO. |                     |       |                     |       |                     |        |
| 01 PB164312BL  | 147139              | 6.89  | 571542              | 8.17  | 324595              | 9.93   |
| 02 PB164312BS  | 158670              | 6.89  | 605986              | 8.18  | 338004              | 9.93   |

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: CHEMTECH

Lab Code: CHEM Case No.: P4471 SAS No.: P4471 SDG NO.: P4471

EPA Sample No.: SSTDCCC040 Date Analyzed: 10/24/2024

Lab File ID: BF139990.D Time Analyzed: 09:55

Instrument ID: BNA\_F GC Column: DB-UI ID: 0.18 (mm)

|                | IS4 (PHN)<br>AREA # | RT #   | IS5 (CRY)<br>AREA # | RT #   | IS6 (PRY)<br>AREA # | RT #   |
|----------------|---------------------|--------|---------------------|--------|---------------------|--------|
| 12 HOUR STD    | 552693              | 11.416 | 268892              | 14.057 | 303963              | 15.533 |
| UPPER LIMIT    | 1105390             | 11.916 | 537784              | 14.557 | 607926              | 16.033 |
| LOWER LIMIT    | 276347              | 10.916 | 134446              | 13.557 | 151982              | 15.033 |
| EPA SAMPLE NO. |                     |        |                     |        |                     |        |
| 01 PB164312BL  | 586249              | 11.41  | 355232              | 14.05  | 286763              | 15.53  |
| 02 PB164312BS  | 591954              | 11.42  | 292113              | 14.06  | 314861              | 15.53  |

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: CHEMTECH

Lab Code: CHEM Case No.: P4471 SAS No.: P4471 SDG NO.: P4471

EPA Sample No.: SSTDCCC040 Date Analyzed: 10/24/2024

Lab File ID: BF140001.D Time Analyzed: 15:16

Instrument ID: BNA\_F GC Column: DB-UI ID: 0.18 (mm)

|                | IS1 (DCB)<br>AREA # | RT #  | IS2 (NPT)<br>AREA # | RT #  | IS3 (ANT)<br>AREA # | RT #   |
|----------------|---------------------|-------|---------------------|-------|---------------------|--------|
| 12 HOUR STD    | 162461              | 6.892 | 593909              | 8.18  | 325446              | 9.93   |
| UPPER LIMIT    | 324922              | 7.392 | 1187820             | 8.675 | 650892              | 10.428 |
| LOWER LIMIT    | 81230.5             | 6.392 | 296955              | 7.675 | 162723              | 9.428  |
| EPA SAMPLE NO. |                     |       |                     |       |                     |        |
| 01 TP-1MS      | 151264              | 6.89  | 576250              | 8.18  | 315137              | 9.93   |
| 02 TP-1MSD     | 131947              | 6.89  | 501368              | 8.18  | 271082              | 9.93   |
| 03 B-180-SB01  | 82696               | 6.89  | 315895              | 8.17  | 171301              | 9.92   |

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: CHEMTECH

Lab Code: CHEM Case No.: P4471 SAS No.: P4471 SDG NO.: P4471

EPA Sample No.: SSTDCCC040 Date Analyzed: 10/24/2024

Lab File ID: BF140001.D Time Analyzed: 15:16

Instrument ID: BNA\_F GC Column: DB-UI ID: 0.18 (mm)

|                | IS4 (PHN)<br>AREA # | RT #   | IS5 (CRY)<br>AREA # | RT #   | IS6 (PRY)<br>AREA # | RT #   |
|----------------|---------------------|--------|---------------------|--------|---------------------|--------|
| 12 HOUR STD    | 551060              | 11.416 | 264546              | 14.051 | 308388              | 15.533 |
| UPPER LIMIT    | 1102120             | 11.916 | 529092              | 14.551 | 616776              | 16.033 |
| LOWER LIMIT    | 275530              | 10.916 | 132273              | 13.551 | 154194              | 15.033 |
| EPA SAMPLE NO. |                     |        |                     |        |                     |        |
| 01 TP-1MS      | 529411              | 11.42  | 267551              | 14.05  | 360724              | 15.53  |
| 02 TP-1MSD     | 450738              | 11.42  | 233244              | 14.05  | 308426              | 15.53  |
| 03 B-180-SB01  | 285460              | 11.41  | 149838              | 14.05  | 184288              | 15.53  |

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: CHEMTECH

Lab Code: CHEM Case No.: P4471 SAS No.: P4471 SDG NO.: P4471

EPA Sample No.: SSTDCCC040 Date Analyzed: 10/26/2024

Lab File ID: BF140050.D Time Analyzed: 10:38

Instrument ID: BNA\_F GC Column: DB-UI ID: 0.18 (mm)

|                | IS1 (DCB)<br>AREA # | RT #  | IS2 (NPT)<br>AREA # | RT #  | IS3 (ANT)<br>AREA # | RT #   |
|----------------|---------------------|-------|---------------------|-------|---------------------|--------|
| 12 HOUR STD    | 128827              | 6.892 | 465620              | 8.18  | 252523              | 9.93   |
| UPPER LIMIT    | 257654              | 7.392 | 931240              | 8.675 | 505046              | 10.428 |
| LOWER LIMIT    | 64413.5             | 6.392 | 232810              | 7.675 | 126262              | 9.428  |
| EPA SAMPLE NO. |                     |       |                     |       |                     |        |
| 01 B-180-SB02  | 140732              | 6.89  | 538776              | 8.17  | 296372              | 9.92   |

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: CHEMTECH

Lab Code: CHEM Case No.: P4471 SAS No.: P4471 SDG NO.: P4471

EPA Sample No.: SSTDCCC040 Date Analyzed: 10/26/2024

Lab File ID: BF140050.D Time Analyzed: 10:38

Instrument ID: BNA\_F GC Column: DB-UI ID: 0.18 (mm)

|                | IS4 (PHN)<br>AREA # | RT #   | IS5 (CRY)<br>AREA # | RT #   | IS6 (PRY)<br>AREA # | RT #   |
|----------------|---------------------|--------|---------------------|--------|---------------------|--------|
| 12 HOUR STD    | 452033              | 11.416 | 241717              | 14.051 | 235878              | 15.533 |
| UPPER LIMIT    | 904066              | 11.916 | 483434              | 14.551 | 471756              | 16.033 |
| LOWER LIMIT    | 226017              | 10.916 | 120859              | 13.551 | 117939              | 15.033 |
| EPA SAMPLE NO. |                     |        |                     |        |                     |        |
| 01 B-180-SB02  | 470615              | 11.41  | 239328              | 14.05  | 267329              | 15.53  |

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.



# SAMPLE DATA



## Report of Analysis

|                    |                              |        |              |                 |                  |     |      |
|--------------------|------------------------------|--------|--------------|-----------------|------------------|-----|------|
| Client:            | Portal Partners Tri-Venture  |        |              | Date Collected: | 10/19/24         |     |      |
| Project:           | Amtrak Sawtooth Bridges 2024 |        |              | Date Received:  | 10/21/24         |     |      |
| Client Sample ID:  | B-180-SB01                   |        |              | SDG No.:        | P4471            |     |      |
| Lab Sample ID:     | P4471-01                     |        |              | Matrix:         | SOIL             |     |      |
| Analytical Method: | SW8270                       |        |              | % Solid:        | 82.8             |     |      |
| Sample Wt/Vol:     | 30.06                        | Units: | g            | Final Vol:      | 1000             | uL  |      |
| Soil Aliquot Vol:  |                              |        | uL           | Test:           | SVOC-TCL BNA -20 |     |      |
| Extraction Type :  |                              |        | Decanted :   | N               | Level :          | LOW |      |
| Injection Volume : |                              |        | GPC Factor : | 1.0             | GPC Cleanup :    | N   | PH : |
| Prep Method :      | SW3541                       |        |              |                 |                  |     |      |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BF140011.D        | 1         | 10/22/24 10:44 | 10/24/24 20:08 | PB164312      |

| CAS Number     | Parameter                   | Conc. | Qualifier | MDL  | LOQ / CRQL | Units(Dry Weight) |
|----------------|-----------------------------|-------|-----------|------|------------|-------------------|
| <b>TARGETS</b> |                             |       |           |      |            |                   |
| 100-52-7       | Benzaldehyde                | 220   | U         | 220  | 400        | ug/Kg             |
| 108-95-2       | Phenol                      | 99.9  | U         | 99.9 | 200        | ug/Kg             |
| 111-44-4       | bis(2-Chloroethyl)ether     | 100   | U         | 100  | 200        | ug/Kg             |
| 95-57-8        | 2-Chlorophenol              | 100   | U         | 100  | 200        | ug/Kg             |
| 95-48-7        | 2-Methylphenol              | 97.1  | U         | 97.1 | 200        | ug/Kg             |
| 108-60-1       | 2,2-oxybis(1-Chloropropane) | 110   | U         | 110  | 200        | ug/Kg             |
| 98-86-2        | Acetophenone                | 100   | U         | 100  | 200        | ug/Kg             |
| 65794-96-9     | 3+4-Methylphenols           | 96.2  | U         | 96.2 | 400        | ug/Kg             |
| 621-64-7       | n-Nitroso-di-n-propylamine  | 48.6  | U         | 48.6 | 96.4       | ug/Kg             |
| 67-72-1        | Hexachloroethane            | 100   | U         | 100  | 200        | ug/Kg             |
| 98-95-3        | Nitrobenzene                | 110   | U         | 110  | 200        | ug/Kg             |
| 78-59-1        | Isophorone                  | 100   | U         | 100  | 200        | ug/Kg             |
| 88-75-5        | 2-Nitrophenol               | 110   | U         | 110  | 200        | ug/Kg             |
| 105-67-9       | 2,4-Dimethylphenol          | 110   | U         | 110  | 200        | ug/Kg             |
| 111-91-1       | bis(2-Chloroethoxy)methane  | 100   | U         | 100  | 200        | ug/Kg             |
| 120-83-2       | 2,4-Dichlorophenol          | 91.0  | U         | 91.0 | 200        | ug/Kg             |
| 91-20-3        | Naphthalene                 | 99.6  | U         | 99.6 | 200        | ug/Kg             |
| 106-47-8       | 4-Chloroaniline             | 99.6  | U         | 99.6 | 200        | ug/Kg             |
| 87-68-3        | Hexachlorobutadiene         | 100   | U         | 100  | 200        | ug/Kg             |
| 105-60-2       | Caprolactam                 | 100   | U         | 100  | 400        | ug/Kg             |
| 59-50-7        | 4-Chloro-3-methylphenol     | 93.4  | U         | 93.4 | 200        | ug/Kg             |
| 91-57-6        | 2-Methylnaphthalene         | 99.4  | U         | 99.4 | 200        | ug/Kg             |
| 77-47-4        | Hexachlorocyclopentadiene   | 190   | UQ        | 190  | 400        | ug/Kg             |
| 88-06-2        | 2,4,6-Trichlorophenol       | 86.1  | U         | 86.1 | 200        | ug/Kg             |
| 95-95-4        | 2,4,5-Trichlorophenol       | 89.2  | U         | 89.2 | 200        | ug/Kg             |
| 92-52-4        | 1,1-Biphenyl                | 110   | U         | 110  | 200        | ug/Kg             |
| 91-58-7        | 2-Chloronaphthalene         | 100   | U         | 100  | 200        | ug/Kg             |
| 88-74-4        | 2-Nitroaniline              | 110   | U         | 110  | 200        | ug/Kg             |
| 131-11-3       | Dimethylphthalate           | 98.5  | U         | 98.5 | 200        | ug/Kg             |

## Report of Analysis

|                    |                              |                 |                              |
|--------------------|------------------------------|-----------------|------------------------------|
| Client:            | Portal Partners Tri-Venture  | Date Collected: | 10/19/24                     |
| Project:           | Amtrak Sawtooth Bridges 2024 | Date Received:  | 10/21/24                     |
| Client Sample ID:  | B-180-SB01                   | SDG No.:        | P4471                        |
| Lab Sample ID:     | P4471-01                     | Matrix:         | SOIL                         |
| Analytical Method: | SW8270                       | % Solid:        | 82.8                         |
| Sample Wt/Vol:     | 30.06      Units:    g       | Final Vol:      | 1000                      uL |
| Soil Aliquot Vol:  | uL                           | Test:           | SVOC-TCL BNA -20             |
| Extraction Type :  | Decanted :      N            | Level :         | LOW                          |
| Injection Volume : | GPC Factor :    1.0          | GPC Cleanup :   | N                      PH :  |
| Prep Method :      | SW3541                       |                 |                              |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BF140011.D        | 1         | 10/22/24 10:44 | 10/24/24 20:08 | PB164312      |

| CAS Number | Parameter                  | Conc. | Qualifier | MDL  | LOQ / CRQL | Units(Dry Weight) |
|------------|----------------------------|-------|-----------|------|------------|-------------------|
| 208-96-8   | Acenaphthylene             | 100   | U         | 100  | 200        | ug/Kg             |
| 606-20-2   | 2,6-Dinitrotoluene         | 100   | U         | 100  | 200        | ug/Kg             |
| 99-09-2    | 3-Nitroaniline             | 110   | U         | 110  | 200        | ug/Kg             |
| 83-32-9    | Acenaphthene               | 97.8  | U         | 97.8 | 200        | ug/Kg             |
| 51-28-5    | 2,4-Dinitrophenol          | 290   | U         | 290  | 400        | ug/Kg             |
| 100-02-7   | 4-Nitrophenol              | 140   | U         | 140  | 400        | ug/Kg             |
| 132-64-9   | Dibenzofuran               | 100   | U         | 100  | 200        | ug/Kg             |
| 121-14-2   | 2,4-Dinitrotoluene         | 100   | U         | 100  | 200        | ug/Kg             |
| 84-66-2    | Diethylphthalate           | 96.5  | U         | 96.5 | 200        | ug/Kg             |
| 7005-72-3  | 4-Chlorophenyl-phenylether | 100   | U         | 100  | 200        | ug/Kg             |
| 86-73-7    | Fluorene                   | 100   | U         | 100  | 200        | ug/Kg             |
| 100-01-6   | 4-Nitroaniline             | 130   | U         | 130  | 200        | ug/Kg             |
| 534-52-1   | 4,6-Dinitro-2-methylphenol | 140   | UQ        | 140  | 400        | ug/Kg             |
| 86-30-6    | n-Nitrosodiphenylamine     | 98.4  | U         | 98.4 | 200        | ug/Kg             |
| 101-55-3   | 4-Bromophenyl-phenylether  | 95.1  | U         | 95.1 | 200        | ug/Kg             |
| 118-74-1   | Hexachlorobenzene          | 100   | U         | 100  | 200        | ug/Kg             |
| 1912-24-9  | Atrazine                   | 110   | U         | 110  | 200        | ug/Kg             |
| 87-86-5    | Pentachlorophenol          | 93.2  | U         | 93.2 | 400        | ug/Kg             |
| 85-01-8    | Phenanthrene               | 100   | U         | 100  | 200        | ug/Kg             |
| 120-12-7   | Anthracene                 | 100   | U         | 100  | 200        | ug/Kg             |
| 86-74-8    | Carbazole                  | 96.8  | U         | 96.8 | 200        | ug/Kg             |
| 84-74-2    | Di-n-butylphthalate        | 100   | U         | 100  | 200        | ug/Kg             |
| 206-44-0   | Fluoranthene               | 98.5  | U         | 98.5 | 200        | ug/Kg             |
| 129-00-0   | Pyrene                     | 100   | U         | 100  | 200        | ug/Kg             |
| 85-68-7    | Butylbenzylphthalate       | 120   | U         | 120  | 200        | ug/Kg             |
| 91-94-1    | 3,3-Dichlorobenzidine      | 120   | U         | 120  | 400        | ug/Kg             |
| 56-55-3    | Benzo(a)anthracene         | 97.3  | U         | 97.3 | 200        | ug/Kg             |
| 218-01-9   | Chrysene                   | 95.8  | U         | 95.8 | 200        | ug/Kg             |
| 117-81-7   | Bis(2-ethylhexyl)phthalate | 110   | U         | 110  | 200        | ug/Kg             |
| 117-84-0   | Di-n-octyl phthalate       | 130   | U         | 130  | 400        | ug/Kg             |
| 205-99-2   | Benzo(b)fluoranthene       | 97.8  | U         | 97.8 | 200        | ug/Kg             |

## Report of Analysis

|                    |                              |                 |                              |
|--------------------|------------------------------|-----------------|------------------------------|
| Client:            | Portal Partners Tri-Venture  | Date Collected: | 10/19/24                     |
| Project:           | Amtrak Sawtooth Bridges 2024 | Date Received:  | 10/21/24                     |
| Client Sample ID:  | B-180-SB01                   | SDG No.:        | P4471                        |
| Lab Sample ID:     | P4471-01                     | Matrix:         | SOIL                         |
| Analytical Method: | SW8270                       | % Solid:        | 82.8                         |
| Sample Wt/Vol:     | 30.06      Units:    g       | Final Vol:      | 1000                      uL |
| Soil Aliquot Vol:  | uL                           | Test:           | SVOC-TCL BNA -20             |
| Extraction Type :  | Decanted :      N            | Level :         | LOW                          |
| Injection Volume : | GPC Factor :    1.0          | GPC Cleanup :   | N                      PH :  |
| Prep Method :      | SW3541                       |                 |                              |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BF140011.D        | 1         | 10/22/24 10:44 | 10/24/24 20:08 | PB164312      |

| CAS Number | Parameter                  | Conc. | Qualifier | MDL  | LOQ / CRQL | Units(Dry Weight) |
|------------|----------------------------|-------|-----------|------|------------|-------------------|
| 207-08-9   | Benzo(k)fluoranthene       | 99.6  | U         | 99.6 | 200        | ug/Kg             |
| 50-32-8    | Benzo(a)pyrene             | 110   | U         | 110  | 200        | ug/Kg             |
| 193-39-5   | Indeno(1,2,3-cd)pyrene     | 94.1  | U         | 94.1 | 200        | ug/Kg             |
| 53-70-3    | Dibenzo(a,h)anthracene     | 97.9  | U         | 97.9 | 200        | ug/Kg             |
| 191-24-2   | Benzo(g,h,i)perylene       | 96.5  | U         | 96.5 | 200        | ug/Kg             |
| 95-94-3    | 1,2,4,5-Tetrachlorobenzene | 100   | U         | 100  | 200        | ug/Kg             |
| 123-91-1   | 1,4-Dioxane                | 130   | U         | 130  | 200        | ug/Kg             |
| 58-90-2    | 2,3,4,6-Tetrachlorophenol  | 90.0  | U         | 90.0 | 200        | ug/Kg             |

### SURROGATES

|            |                      |      |  |                     |     |          |
|------------|----------------------|------|--|---------------------|-----|----------|
| 367-12-4   | 2-Fluorophenol       | 97.1 |  | 30 (18) - 130 (112) | 65% | SPK: 150 |
| 13127-88-3 | Phenol-d6            | 93.5 |  | 30 (15) - 130 (107) | 62% | SPK: 150 |
| 4165-60-0  | Nitrobenzene-d5      | 75.8 |  | 30 (18) - 130 (107) | 76% | SPK: 100 |
| 321-60-8   | 2-Fluorobiphenyl     | 75.3 |  | 30 (20) - 130 (109) | 75% | SPK: 100 |
| 118-79-6   | 2,4,6-Tribromophenol | 104  |  | 30 (10) - 130 (116) | 69% | SPK: 150 |
| 1718-51-0  | Terphenyl-d14        | 68.2 |  | 30 (10) - 130 (105) | 68% | SPK: 100 |

### INTERNAL STANDARDS

|            |                        |        |        |
|------------|------------------------|--------|--------|
| 3855-82-1  | 1,4-Dichlorobenzene-d4 | 82700  | 6.886  |
| 1146-65-2  | Naphthalene-d8         | 316000 | 8.169  |
| 15067-26-2 | Acenaphthene-d10       | 171000 | 9.922  |
| 1517-22-2  | Phenanthrene-d10       | 285000 | 11.41  |
| 1719-03-5  | Chrysene-d12           | 150000 | 14.045 |
| 1520-96-3  | Perylene-d12           | 184000 | 15.527 |

### TENTATIVE IDENTIFIED COMPOUNDS

|             |                                  |      |    |      |       |
|-------------|----------------------------------|------|----|------|-------|
| 000994-05-8 | Butane, 2-methoxy-2-methyl-      | 2200 | JB | 2.19 | ug/Kg |
| 000123-42-2 | 2-Pentanone, 4-hydroxy-4-methyl- | 210  | AB | 5.12 | ug/Kg |
| 000119-61-9 | Benzophenone                     | 200  | J  | 10.6 | ug/Kg |
| 000057-10-3 | n-Hexadecanoic acid              | 260  | J  | 11.9 | ug/Kg |
| 006222-03-3 | Trifluoroacetoxy hexadecane      | 160  | J  | 13.9 | ug/Kg |

## Report of Analysis

|                    |                              |                 |                              |
|--------------------|------------------------------|-----------------|------------------------------|
| Client:            | Portal Partners Tri-Venture  | Date Collected: | 10/19/24                     |
| Project:           | Amtrak Sawtooth Bridges 2024 | Date Received:  | 10/21/24                     |
| Client Sample ID:  | B-180-SB01                   | SDG No.:        | P4471                        |
| Lab Sample ID:     | P4471-01                     | Matrix:         | SOIL                         |
| Analytical Method: | SW8270                       | % Solid:        | 82.8                         |
| Sample Wt/Vol:     | 30.06      Units:    g       | Final Vol:      | 1000                      uL |
| Soil Aliquot Vol:  | uL                           | Test:           | SVOC-TCL BNA -20             |
| Extraction Type :  | Decanted :      N            | Level :         | LOW                          |
| Injection Volume : | GPC Factor :    1.0          | GPC Cleanup :   | N                      PH :  |
| Prep Method :      | SW3541                       |                 |                              |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BF140011.D        | 1         | 10/22/24 10:44 | 10/24/24 20:08 | PB164312      |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|------------|-----------|-------|-----------|-----|------------|-------------------|
|------------|-----------|-------|-----------|-----|------------|-------------------|

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

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102424\  
Data File : BF140011.D  
Acq On : 24 Oct 2024 20:08  
Operator : RC/JU  
Sample : P4471-01  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
B-180-SB01

Quant Time: Oct 25 01:09:10 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101824.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Oct 18 15:07:50 2024  
Response via : Initial Calibration

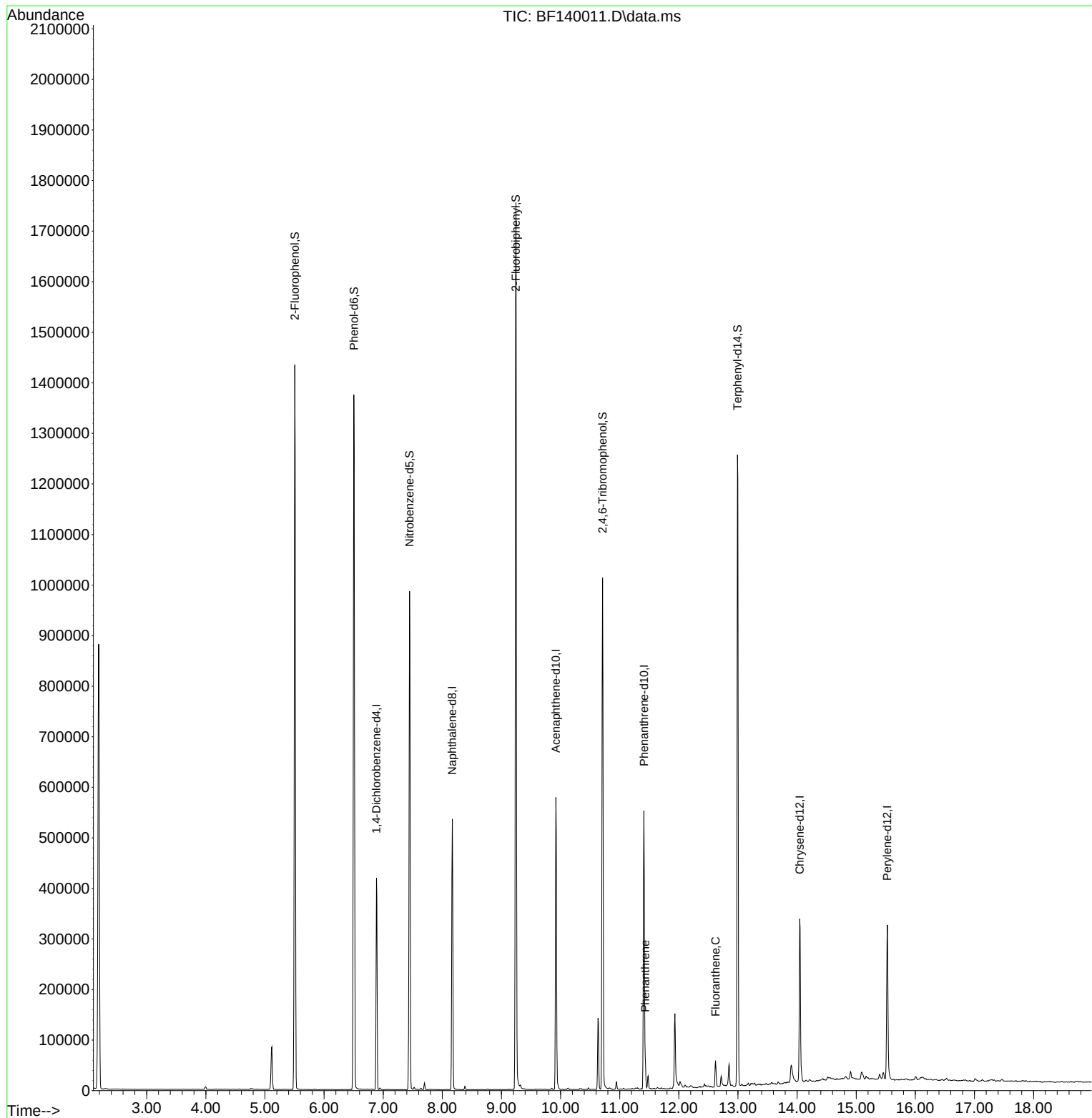
| Compound                    | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-----------------------------|--------|------|----------|---------|-------|----------|
| -----                       |        |      |          |         |       |          |
| Internal Standards          |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 6.886  | 152  | 82696    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.169  | 136  | 315895   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 9.922  | 164  | 171301   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.410 | 188  | 285460   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12            | 14.045 | 240  | 149838   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12            | 15.527 | 264  | 184288   | 20.000  | ng    | 0.00     |
|                             |        |      |          |         |       |          |
| System Monitoring Compounds |        |      |          |         |       |          |
| 5) 2-Fluorophenol           | 5.504  | 112  | 513131   | 97.139  | ng    | 0.00     |
| 7) Phenol-d6                | 6.504  | 99   | 639567   | 93.482  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.445  | 82   | 431803   | 75.760  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.710 | 330  | 165875   | 103.523 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.245  | 172  | 780599   | 75.312  | ng    | 0.00     |
| 79) Terphenyl-d14           | 12.992 | 244  | 626830   | 68.167  | ng    | 0.00     |
|                             |        |      |          |         |       |          |
| Target Compounds            |        |      |          |         |       | Qvalue   |
| 71) Phenanthrene            | 11.433 | 178  | 29353    | 2.177   | ng    | 99       |
| 75) Fluoranthene            | 12.621 | 202  | 28237    | 2.071   | ng    | 97       |
| -----                       |        |      |          |         |       |          |

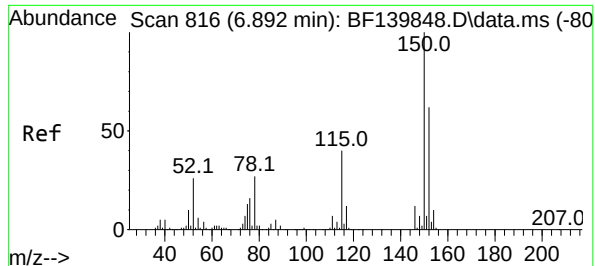
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102424\  
Data File : BF140011.D  
Acq On : 24 Oct 2024 20:08  
Operator : RC/JU  
Sample : P4471-01  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
B-180-SB01

Quant Time: Oct 25 01:09:10 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101824.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Oct 18 15:07:50 2024  
Response via : Initial Calibration

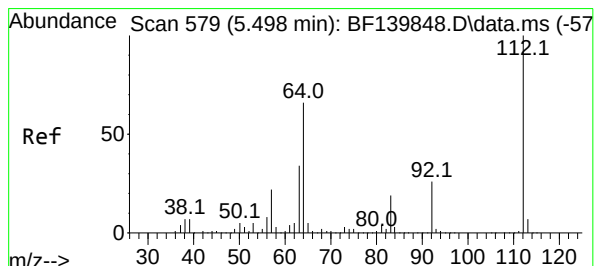
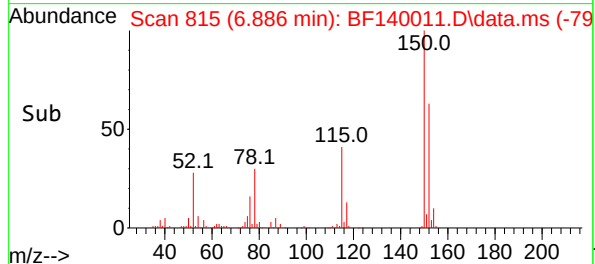
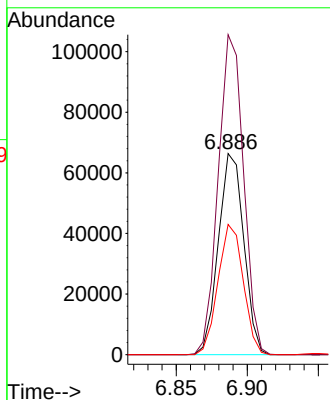
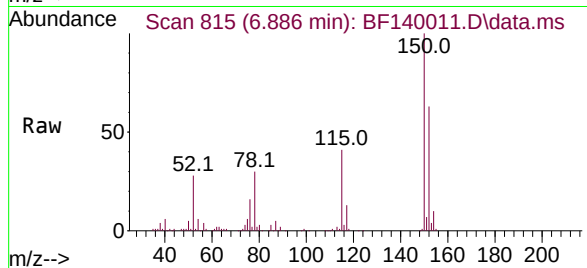




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.886 min Scan# 816  
Delta R.T. -0.006 min  
Lab File: BF140011.D  
Acq: 24 Oct 2024 20:08

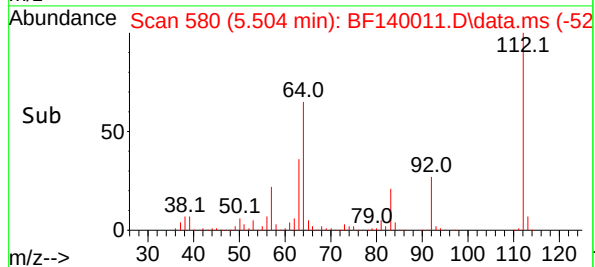
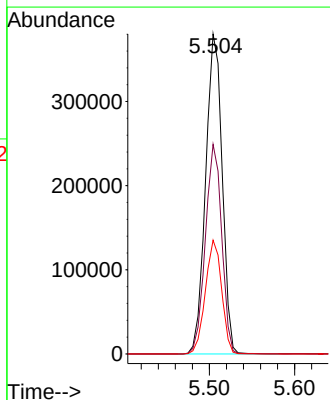
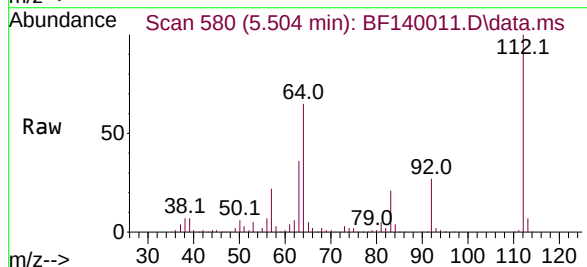
Instrument :  
BNA\_F  
ClientSampleId :  
B-180-SB01

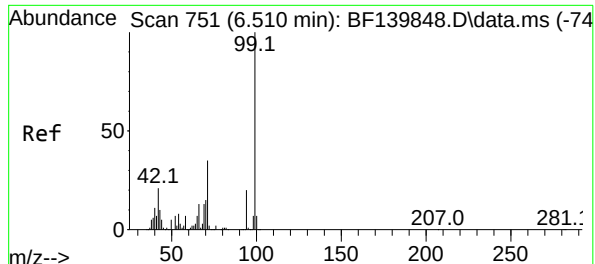
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 159.1 | 130.2 | 195.2 |
| 115     | 64.7  | 51.4  | 77.2  |



#5  
2-Fluorophenol  
Concen: 97.139 ng  
RT: 5.504 min Scan# 580  
Delta R.T. 0.006 min  
Lab File: BF140011.D  
Acq: 24 Oct 2024 20:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 65.5  | 53.0  | 79.6  |
| 63      | 35.5  | 27.0  | 40.4  |

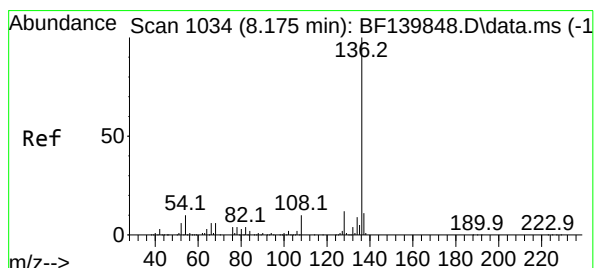
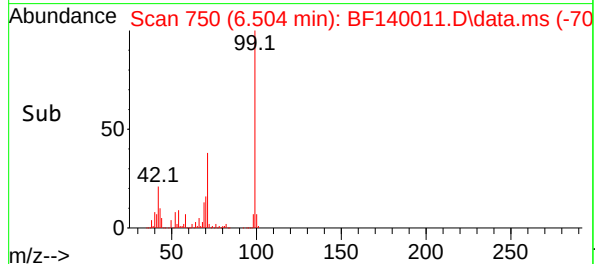
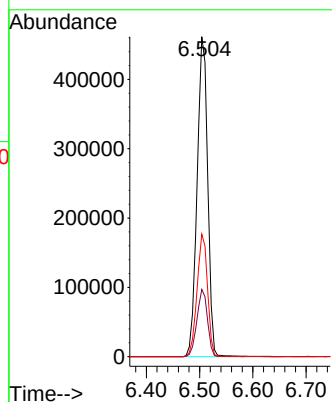
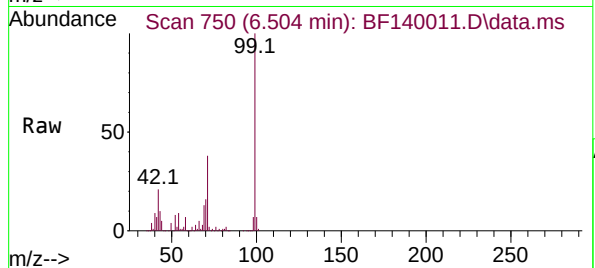




#7  
Phenol-d6  
Concen: 93.482 ng  
RT: 6.504 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: BF140011.D  
Acq: 24 Oct 2024 20:08

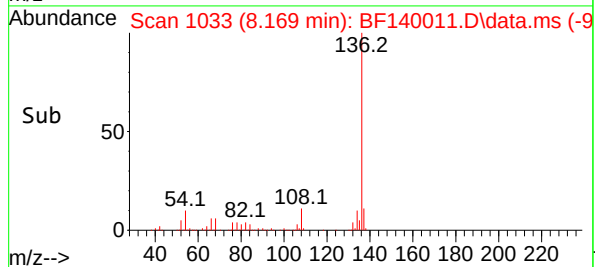
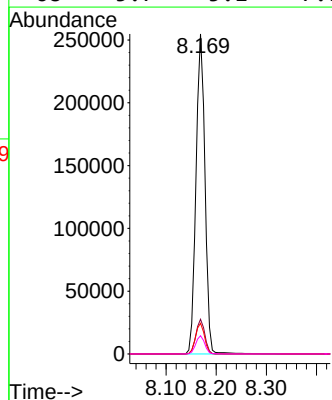
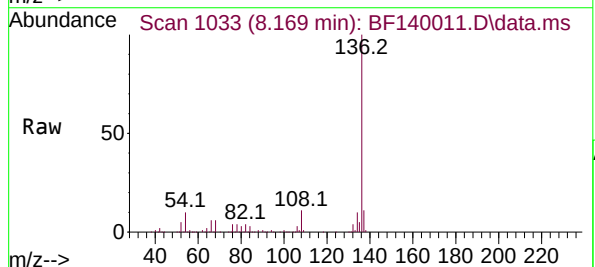
Instrument :  
BNA\_F  
ClientSampleId :  
B-180-SB01

Tgt Ion: 99 Resp: 639567  
Ion Ratio Lower Upper  
99 100  
42 21.0 16.7 25.1  
71 38.3 27.7 41.5

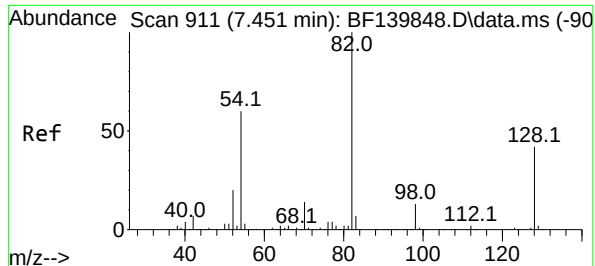


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.169 min Scan# 1033  
Delta R.T. -0.006 min  
Lab File: BF140011.D  
Acq: 24 Oct 2024 20:08

Tgt Ion: 136 Resp: 315895  
Ion Ratio Lower Upper  
136 100  
137 10.8 8.6 12.8  
54 9.6 8.4 12.6  
68 5.7 5.1 7.7







#23

Nitrobenzene-d5

Concen: 75.760 ng

RT: 7.445 min Scan# 911

Delta R.T. -0.006 min

Lab File: BF140011.D

Acq: 24 Oct 2024 20:08

Instrument :

BNA\_F

ClientSampleId :

B-180-SB01

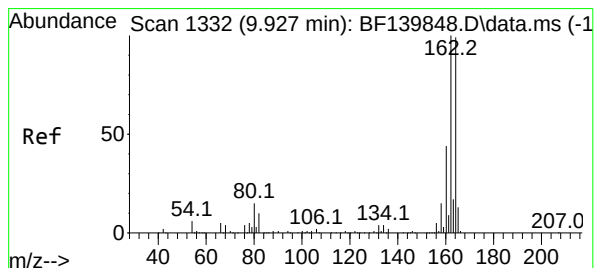
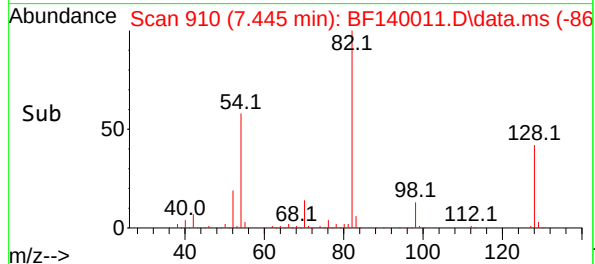
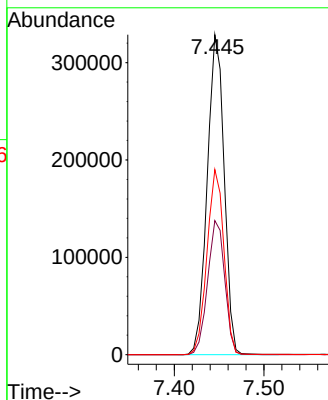
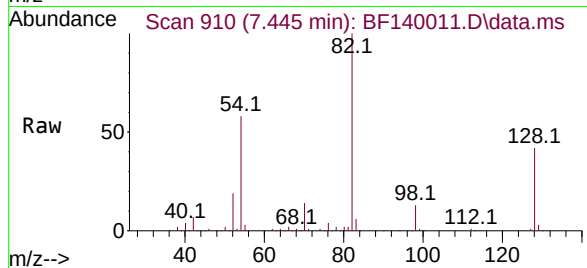
Tgt Ion: 82 Resp: 431803

Ion Ratio Lower Upper

82 100

128 41.9 33.4 50.0

54 57.9 47.8 71.8



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.922 min Scan# 1331

Delta R.T. -0.005 min

Lab File: BF140011.D

Acq: 24 Oct 2024 20:08

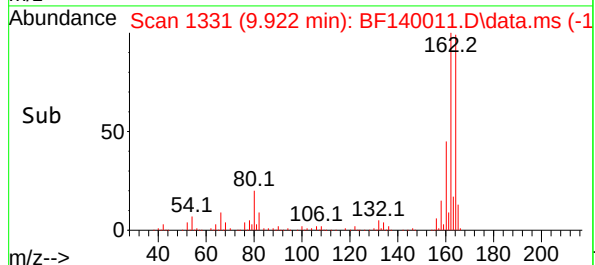
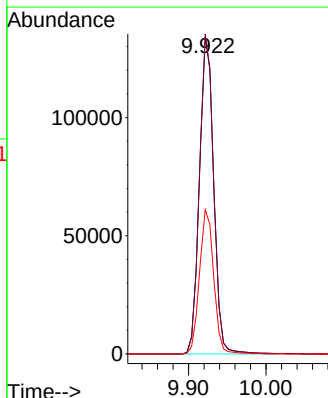
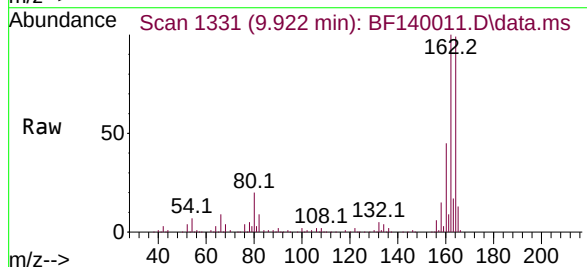
Tgt Ion: 164 Resp: 171301

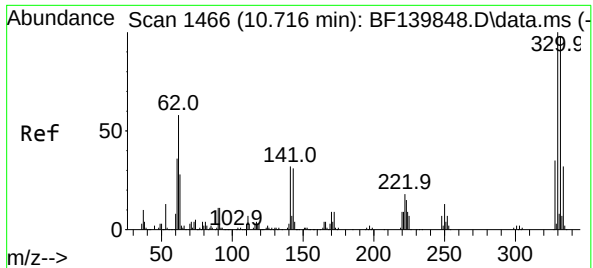
Ion Ratio Lower Upper

164 100

162 101.0 81.0 121.4

160 45.5 35.4 53.0

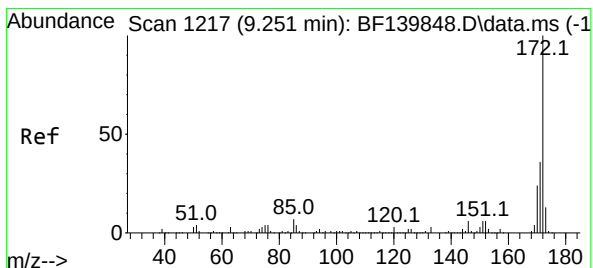
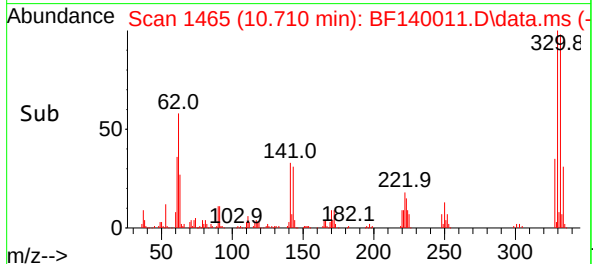
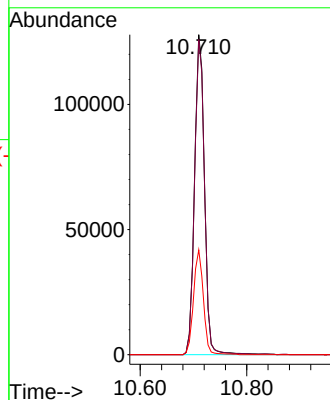
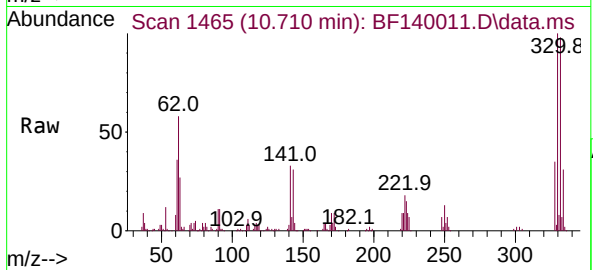




#42  
2,4,6-Tribromophenol  
Concen: 103.523 ng  
RT: 10.710 min Scan# 1465  
Delta R.T. -0.006 min  
Lab File: BF140011.D  
Acq: 24 Oct 2024 20:08

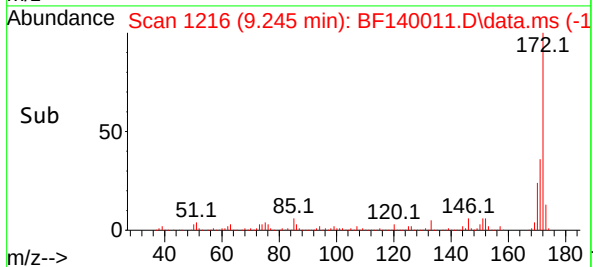
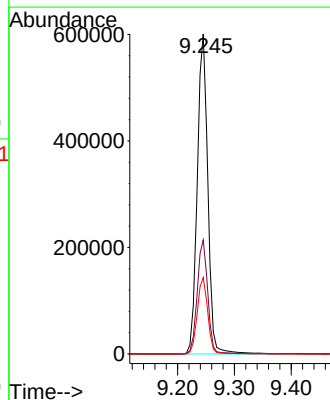
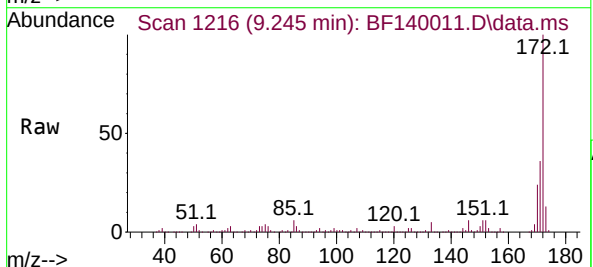
Instrument :  
BNA\_F  
ClientSampleId :  
B-180-SB01

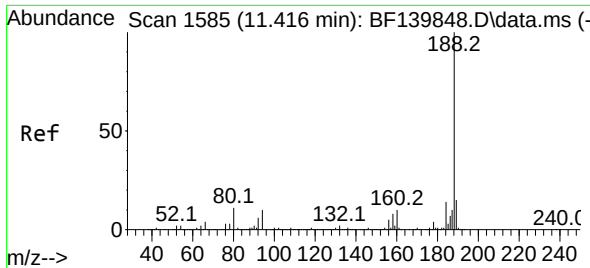
Tgt Ion: 330 Resp: 165875  
Ion Ratio Lower Upper  
330 100  
332 98.5 78.1 117.1  
141 32.5 26.6 39.8



#45  
2-Fluorobiphenyl  
Concen: 75.312 ng  
RT: 9.245 min Scan# 1216  
Delta R.T. -0.006 min  
Lab File: BF140011.D  
Acq: 24 Oct 2024 20:08

Tgt Ion: 172 Resp: 780599  
Ion Ratio Lower Upper  
172 100  
171 35.7 28.6 43.0  
170 23.9 19.1 28.7

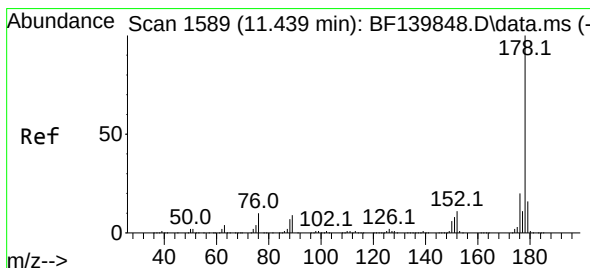
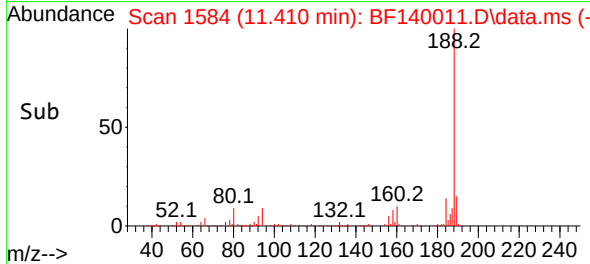
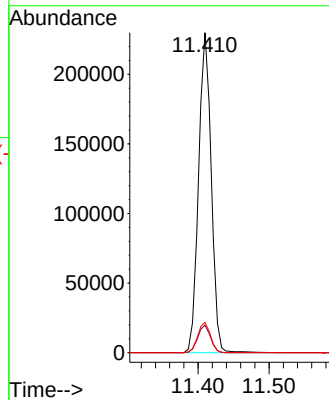
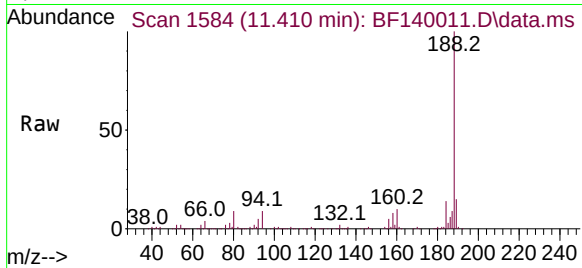




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.410 min Scan# 1585  
Delta R.T. -0.006 min  
Lab File: BF140011.D  
Acq: 24 Oct 2024 20:08

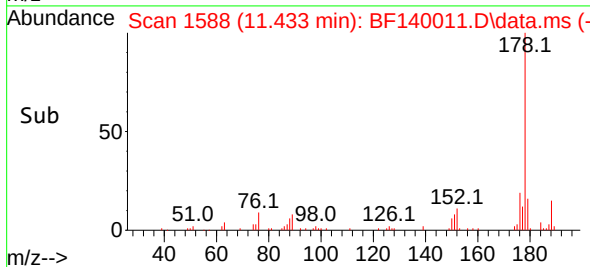
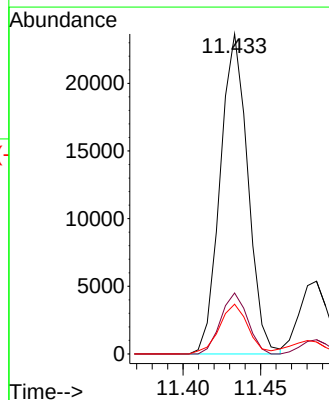
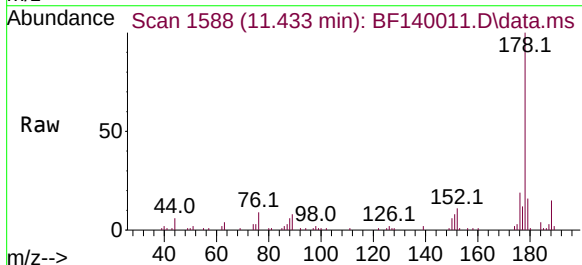
Instrument :  
BNA\_F  
ClientSampleId :  
B-180-SB01

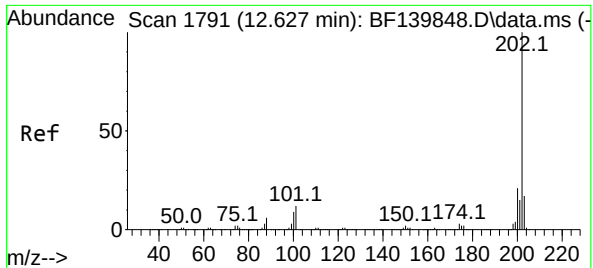
Tgt Ion:188 Resp: 285460  
Ion Ratio Lower Upper  
188 100  
94 8.5 7.9 11.9  
80 9.5 9.0 13.4



#71  
Phenanthrene  
Concen: 2.177 ng  
RT: 11.433 min Scan# 1588  
Delta R.T. -0.006 min  
Lab File: BF140011.D  
Acq: 24 Oct 2024 20:08

Tgt Ion:178 Resp: 29353  
Ion Ratio Lower Upper  
178 100  
176 19.1 15.8 23.6  
179 15.5 12.6 18.8

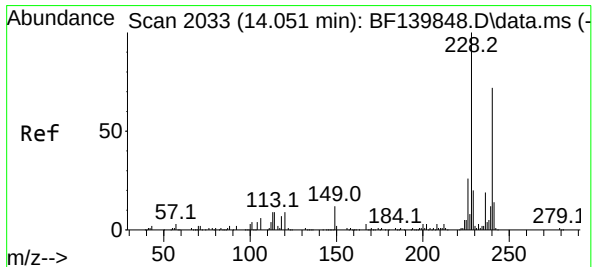
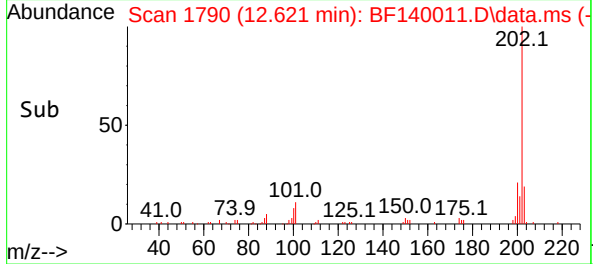
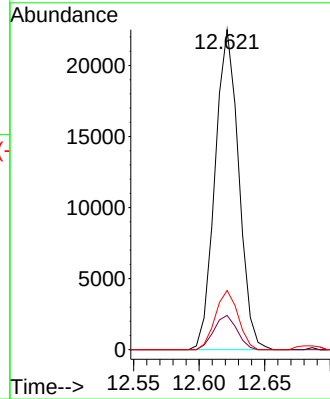
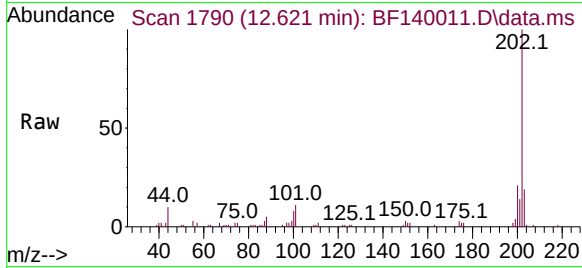




#75  
Fluoranthene  
Concen: 2.071 ng  
RT: 12.621 min Scan# 1790  
Delta R.T. -0.006 min  
Lab File: BF140011.D  
Acq: 24 Oct 2024 20:08

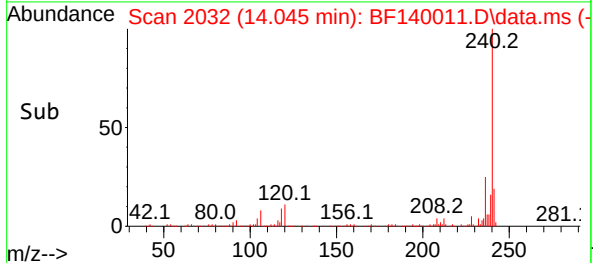
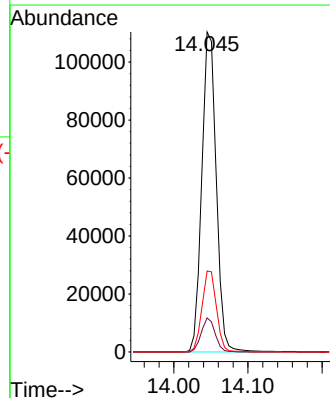
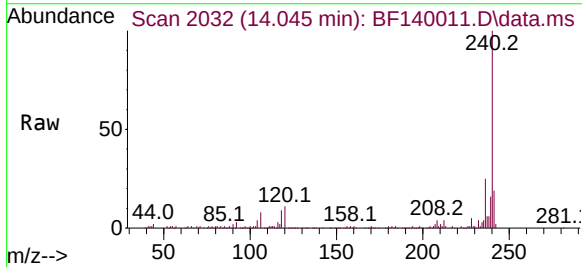
Instrument :  
BNA\_F  
ClientSampleId :  
B-180-SB01

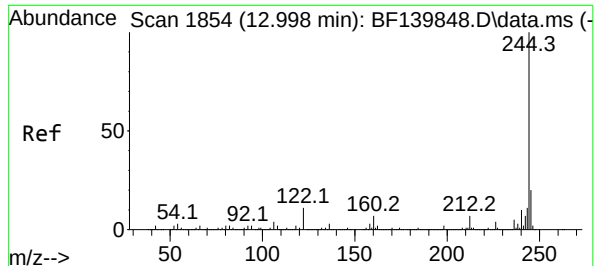
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 10.7  | 0.0   | 31.9  |
| 203     | 18.5  | 0.0   | 37.5  |



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.045 min Scan# 2032  
Delta R.T. -0.006 min  
Lab File: BF140011.D  
Acq: 24 Oct 2024 20:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 10.6  | 9.4   | 14.2  |
| 236     | 25.3  | 20.9  | 31.3  |





#79

Terphenyl-d14

Concen: 68.167 ng

RT: 12.992 min Scan# 1853

Delta R.T. -0.006 min

Lab File: BF140011.D

Acq: 24 Oct 2024 20:08

Instrument :

BNA\_F

ClientSampleId :

B-180-SB01

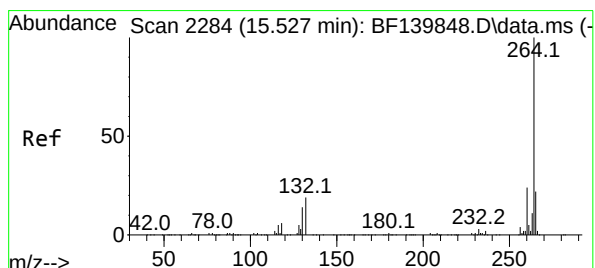
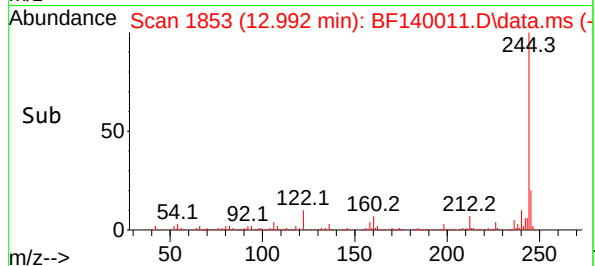
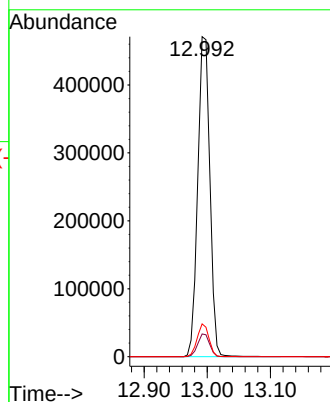
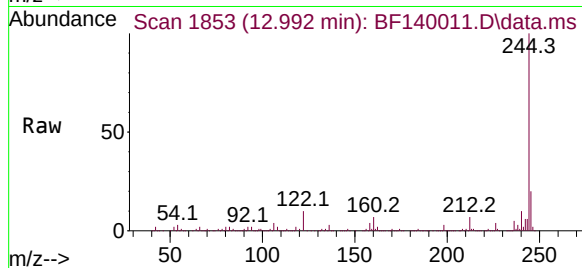
Tgt Ion:244 Resp: 626830

Ion Ratio Lower Upper

244 100

212 7.1 5.7 8.5

122 10.2 8.6 13.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.527 min Scan# 2284

Delta R.T. -0.000 min

Lab File: BF140011.D

Acq: 24 Oct 2024 20:08

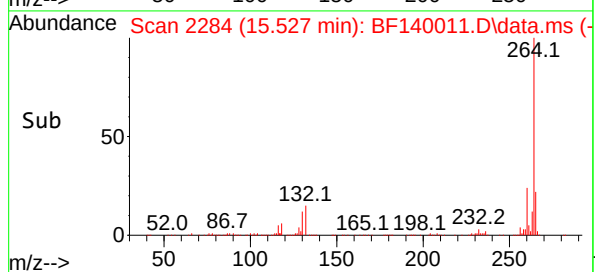
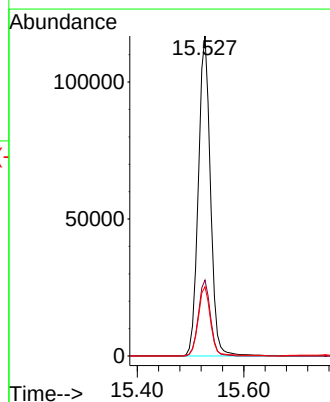
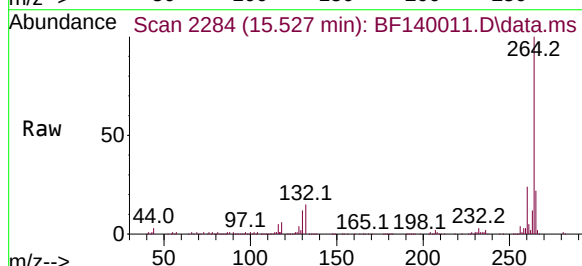
Tgt Ion:264 Resp: 184288

Ion Ratio Lower Upper

264 100

260 23.7 19.4 29.2

265 21.7 17.4 26.0



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102424\  
 Data File : BF140011.D  
 Acq On : 24 Oct 2024 20:08  
 Operator : RC/JU  
 Sample : P4471-01  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 B-180-SB01

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101824.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF140011.D\data.ms

| peak<br># | R.T.<br>min | first<br>scan | max<br>scan | last<br>scan | PK<br>TY | peak<br>height | corr.<br>area | corr.<br>% max. | % of<br>total |
|-----------|-------------|---------------|-------------|--------------|----------|----------------|---------------|-----------------|---------------|
| 1         | 2.187       | 8             | 16          | 26           | rVB      | 879577         | 1399066       | 61.79%          | 8.632%        |
| 2         | 5.116       | 506           | 514         | 525          | rVB      | 83721          | 135040        | 5.96%           | 0.833%        |
| 3         | 5.504       | 574           | 580         | 585          | rBV      | 1433613        | 1915455       | 84.60%          | 11.818%       |
| 4         | 6.504       | 744           | 750         | 756          | rBV      | 1374639        | 1903204       | 84.06%          | 11.742%       |
| 5         | 6.886       | 810           | 815         | 820          | rBV      | 418428         | 513151        | 22.66%          | 3.166%        |
| 6         | 7.445       | 904           | 910         | 915          | rBV      | 985876         | 1293053       | 57.11%          | 7.978%        |
| 7         | 8.169       | 1028          | 1033        | 1038         | rBV      | 534957         | 654773        | 28.92%          | 4.040%        |
| 8         | 9.245       | 1210          | 1216        | 1227         | rBV      | 1754191        | 2264133       | 100.00%         | 13.969%       |
| 9         | 9.922       | 1326          | 1331        | 1347         | rVB      | 577623         | 732588        | 32.36%          | 4.520%        |
| 10        | 10.633      | 1447          | 1452        | 1460         | rBV      | 140896         | 180615        | 7.98%           | 1.114%        |
| 11        | 10.710      | 1460          | 1465        | 1482         | rVV      | 1011179        | 1293578       | 57.13%          | 7.981%        |
| 12        | 11.410      | 1579          | 1584        | 1592         | rBV      | 550615         | 746590        | 32.97%          | 4.606%        |
| 13        | 11.480      | 1592          | 1596        | 1600         | rVB2     | 25021          | 31705         | 1.40%           | 0.196%        |
| 14        | 11.933      | 1665          | 1673        | 1685         | rBV3     | 148107         | 238617        | 10.54%          | 1.472%        |
| 15        | 12.021      | 1685          | 1688        | 1698         | rVB3     | 11108          | 23650         | 1.04%           | 0.146%        |
| 16        | 12.621      | 1785          | 1790        | 1797         | rBV      | 51815          | 67796         | 2.99%           | 0.418%        |
| 17        | 12.715      | 1802          | 1806        | 1814         | rBV3     | 20407          | 32628         | 1.44%           | 0.201%        |
| 18        | 12.851      | 1823          | 1829        | 1834         | rVB      | 42216          | 60998         | 2.69%           | 0.376%        |
| 19        | 12.992      | 1848          | 1853        | 1863         | rVB      | 1247751        | 1632736       | 72.11%          | 10.073%       |
| 20        | 13.904      | 2002          | 2008        | 2022         | rBV4     | 34237          | 95182         | 4.20%           | 0.587%        |
| 21        | 14.045      | 2027          | 2032        | 2044         | rVB      | 322150         | 469611        | 20.74%          | 2.897%        |
| 22        | 15.092      | 2206          | 2210        | 2219         | rVB      | 13947          | 33151         | 1.46%           | 0.205%        |
| 23        | 15.527      | 2278          | 2284        | 2300         | rVB      | 306034         | 491092        | 21.69%          | 3.030%        |

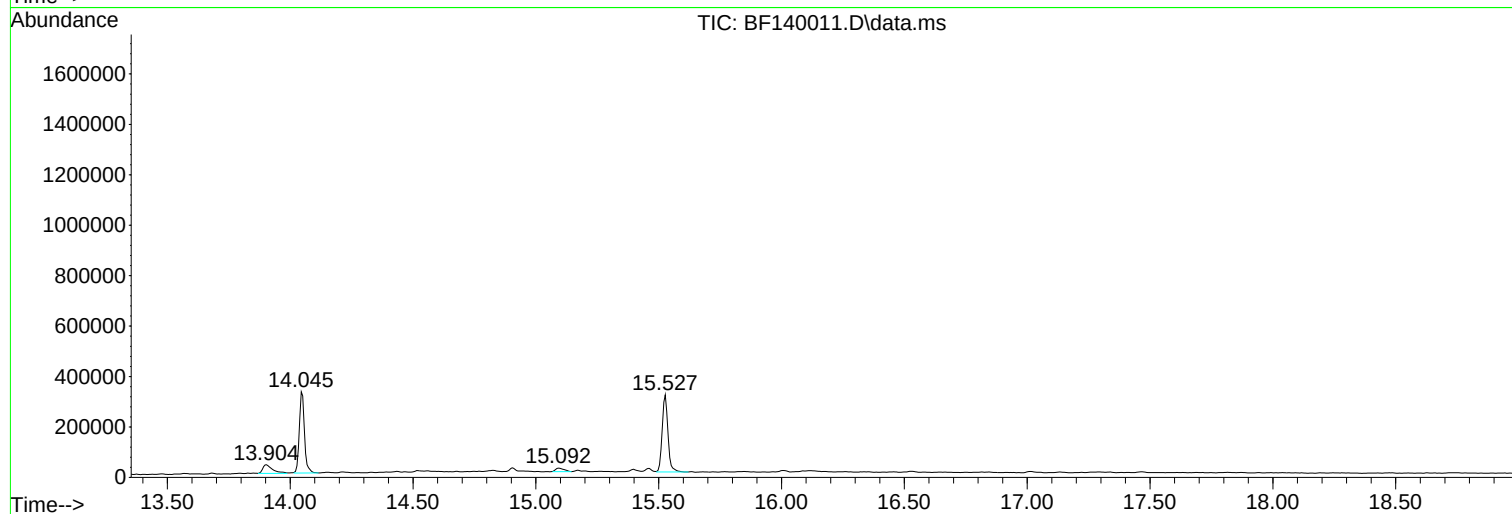
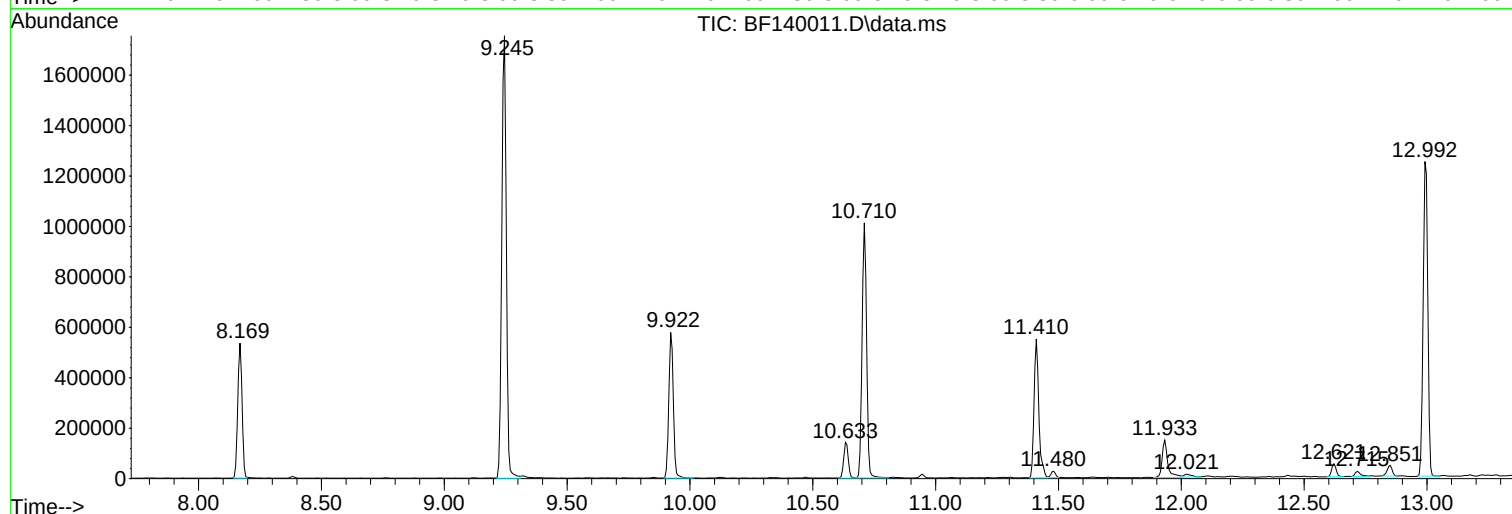
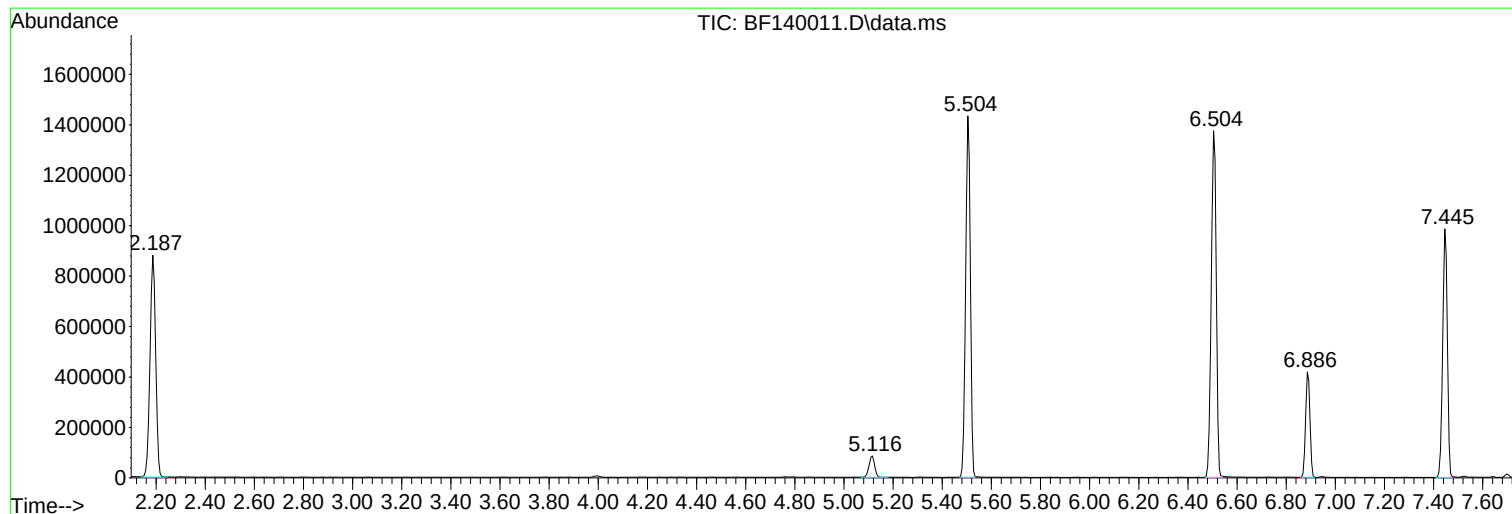
Sum of corrected areas: 16208412

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102424\  
Data File : BF140011.D  
Acq On : 24 Oct 2024 20:08  
Operator : RC/JU  
Sample : P4471-01  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
B-180-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101824.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102424\  
Data File : BF140011.D  
Acq On : 24 Oct 2024 20:08  
Operator : RC/JU  
Sample : P4471-01  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
B-180-SB01

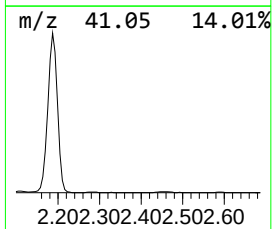
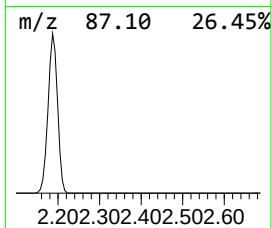
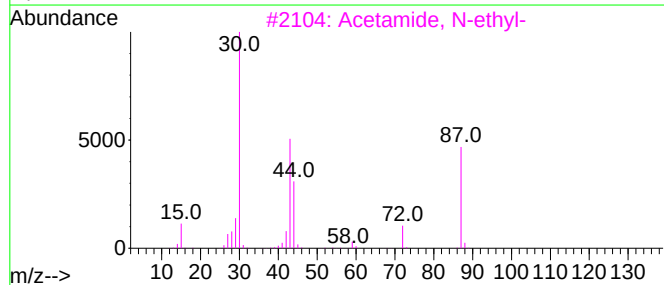
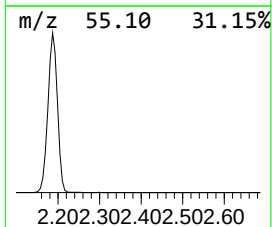
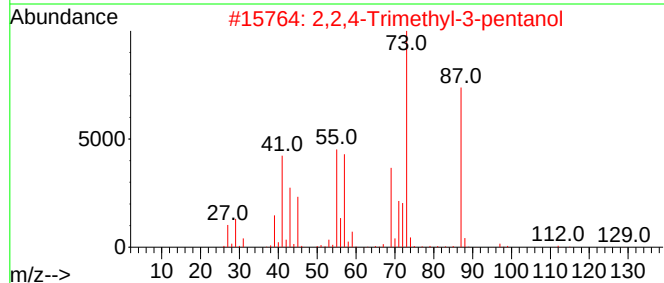
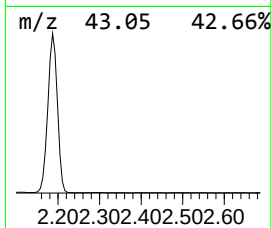
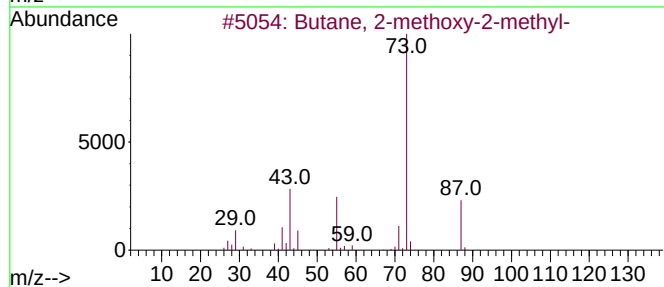
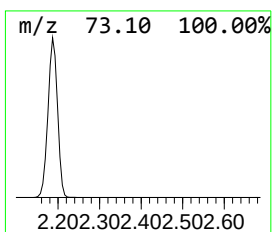
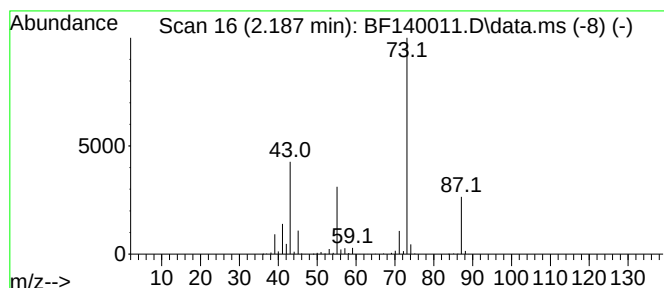
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101824.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 1

| R.T.  | EstConc  | Area    | Relative to ISTD       | R.T.  |
|-------|----------|---------|------------------------|-------|
| 2.187 | 54.53 ng | 1399070 | 1,4-Dichlorobenzene-d4 | 6.886 |

| Hit# | of | 5 | Tentative ID                     | MW  | MolForm  | CAS#        | Qual |
|------|----|---|----------------------------------|-----|----------|-------------|------|
| 1    |    |   | Butane, 2-methoxy-2-methyl-      | 102 | C6H14O   | 000994-05-8 | 83   |
| 2    |    |   | 2,2,4-Trimethyl-3-pentanol       | 130 | C8H18O   | 005162-48-1 | 40   |
| 3    |    |   | Acetamide, N-ethyl-              | 87  | C4H9NO   | 000625-50-3 | 22   |
| 4    |    |   | Octanal, 7-methoxy-3,7-dimethyl- | 186 | C11H22O2 | 003613-30-7 | 17   |
| 5    |    |   | Pentane, 3-methoxy-              | 102 | C6H14O   | 036839-67-5 | 12   |





Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102424\  
Data File : BF140011.D  
Acq On : 24 Oct 2024 20:08  
Operator : RC/JU  
Sample : P4471-01  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
B-180-SB01

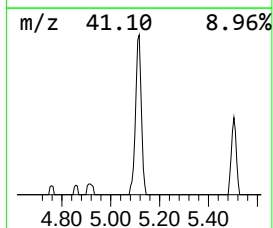
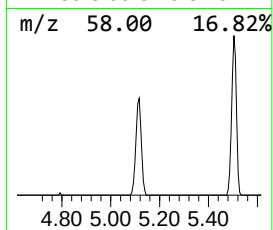
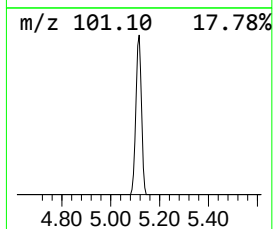
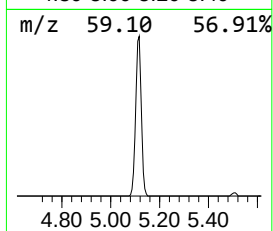
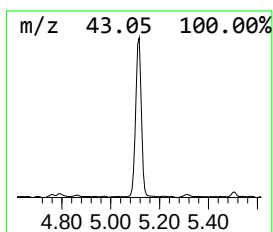
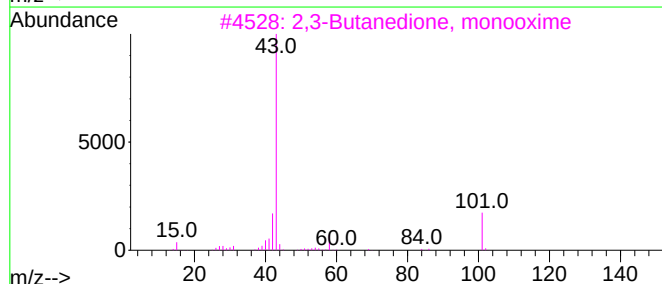
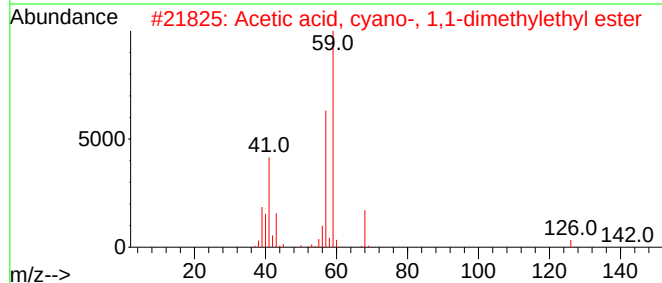
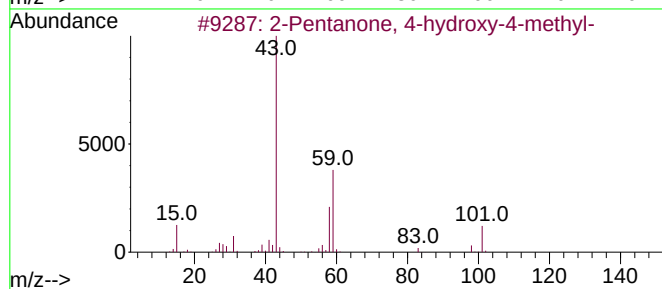
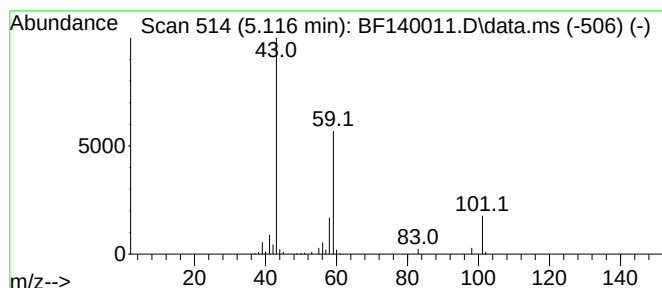
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101824.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

| R.T.      | EstConc                             | Area   | Relative to ISTD       | R.T.        |      |
|-----------|-------------------------------------|--------|------------------------|-------------|------|
| 5.116     | 5.26 ng                             | 135040 | 1,4-Dichlorobenzene-d4 | 6.886       |      |
| Hit# of 5 | Tentative ID                        | MW     | MolForm                | CAS#        | Qual |
| 1         | 2-Pentanone, 4-hydroxy-4-methyl-    | 116    | C6H12O2                | 000123-42-2 | 59   |
| 2         | Acetic acid, cyano-, 1,1-dimethy... | 141    | C7H11NO2               | 001116-98-9 | 37   |
| 3         | 2,3-Butanedione, monooxime          | 101    | C4H7NO2                | 000057-71-6 | 16   |
| 4         | 1-Propen-2-ol, acetate              | 100    | C5H8O2                 | 000108-22-5 | 12   |
| 5         | Morpholine, 4-methyl-               | 101    | C5H11NO                | 000109-02-4 | 9    |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102424\  
Data File : BF140011.D  
Acq On : 24 Oct 2024 20:08  
Operator : RC/JU  
Sample : P4471-01  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
B-180-SB01

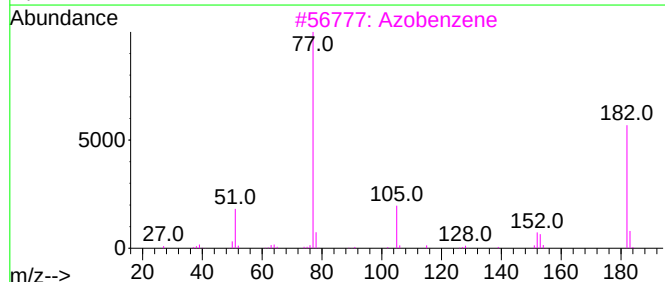
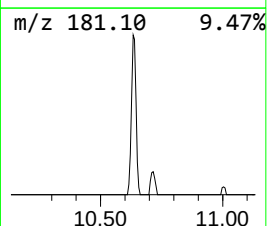
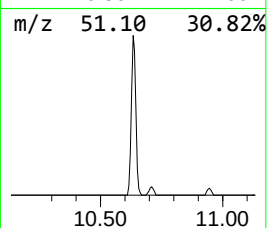
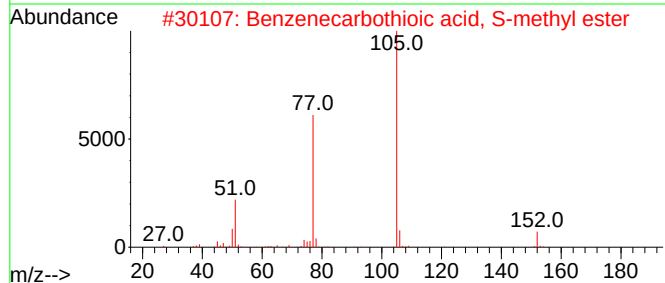
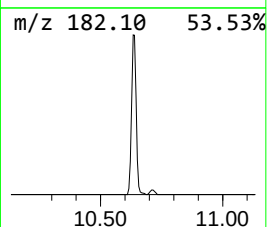
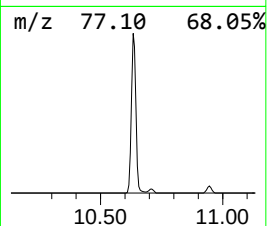
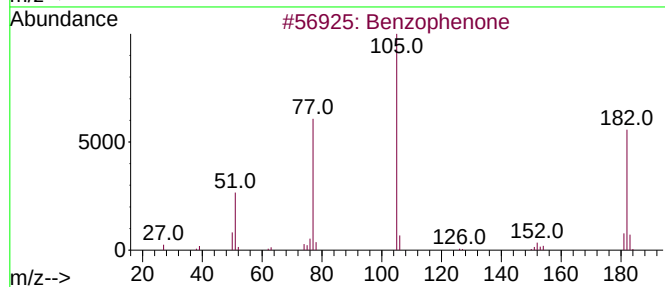
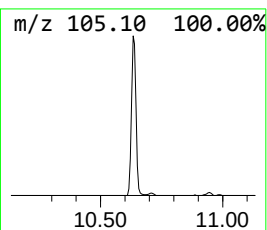
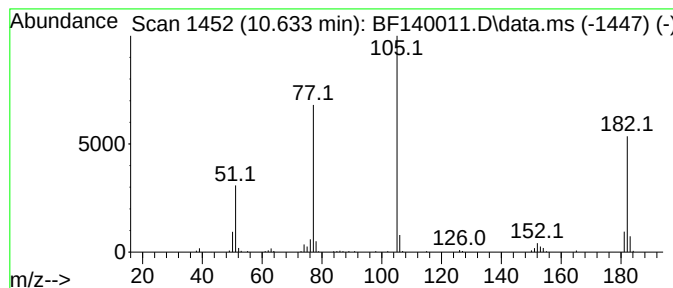
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101824.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST0.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 3 Benzophenone Concentration Rank 4

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.  |
|--------|---------|--------|------------------|-------|
| 10.633 | 4.93 ng | 180615 | Acenaphthene-d10 | 9.922 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|----------|-------------|------|
| 1    |    |   | Benzophenone                        | 182 | C13H10O  | 000119-61-9 | 96   |
| 2    |    |   | Benzenecarbothioic acid, S-methy... | 152 | C8H8OS   | 005925-68-8 | 52   |
| 3    |    |   | Azobenzene                          | 182 | C12H10N2 | 000103-33-3 | 52   |
| 4    |    |   | Benzenepropanenitrile, .beta.-oxo-  | 145 | C9H7NO   | 000614-16-4 | 49   |
| 5    |    |   | 1,2-Propanedione, 1-phenyl-         | 148 | C9H8O2   | 000579-07-7 | 47   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102424\  
Data File : BF140011.D  
Acq On : 24 Oct 2024 20:08  
Operator : RC/JU  
Sample : P4471-01  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
B-180-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101824.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

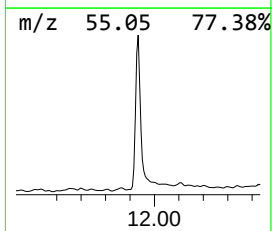
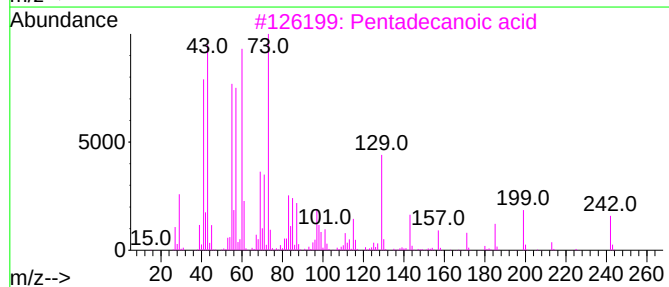
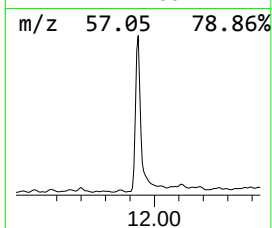
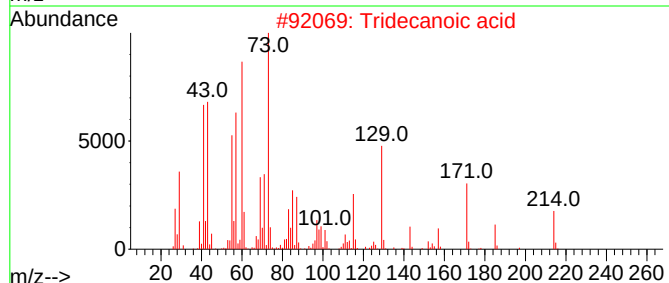
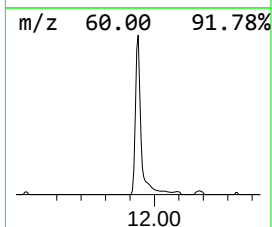
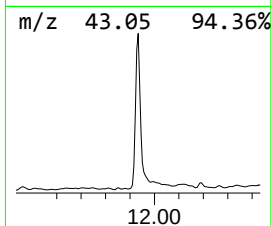
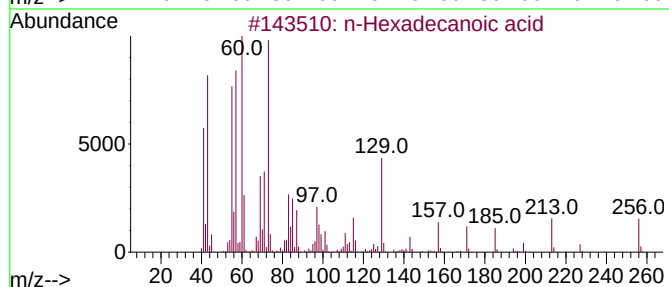
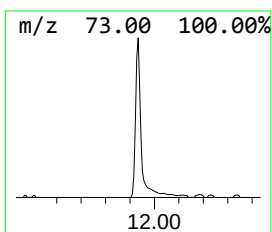
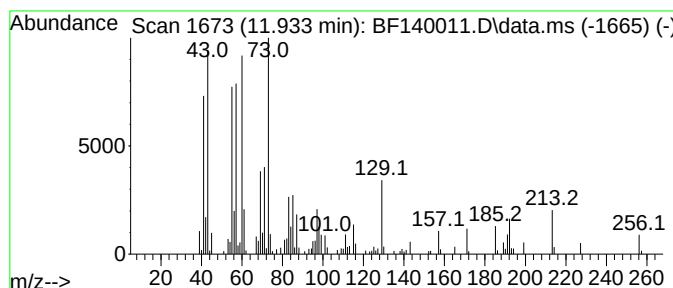
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*

Peak Number 4 n-Hexadecanoic acid Concentration Rank 2

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 11.933 | 6.39 ng | 238617 | Phenanthrene-d10 | 11.410 |

| Hit# | of | 5 | Tentative ID          | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-----------------------|-----|----------|-------------|------|
| 1    |    |   | n-Hexadecanoic acid   | 256 | C16H32O2 | 000057-10-3 | 99   |
| 2    |    |   | Tridecanoic acid      | 214 | C13H26O2 | 000638-53-9 | 90   |
| 3    |    |   | Pentadecanoic acid    | 242 | C15H30O2 | 001002-84-2 | 87   |
| 4    |    |   | 8-Methylnonanoic acid | 172 | C10H20O2 | 005963-14-4 | 78   |
| 5    |    |   | Tetradecanoic acid    | 228 | C14H28O2 | 000544-63-8 | 68   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102424\  
Data File : BF140011.D  
Acq On : 24 Oct 2024 20:08  
Operator : RC/JU  
Sample : P4471-01  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
B-180-SB01

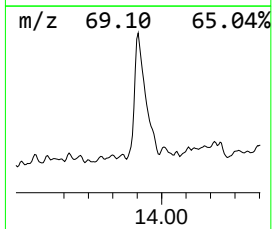
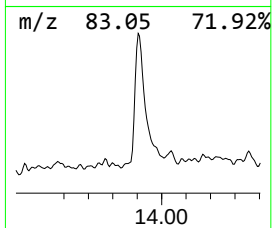
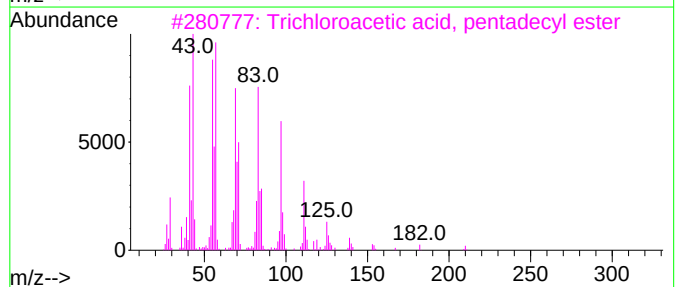
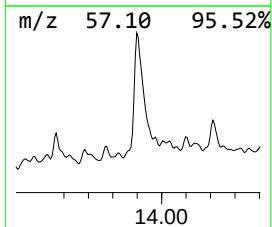
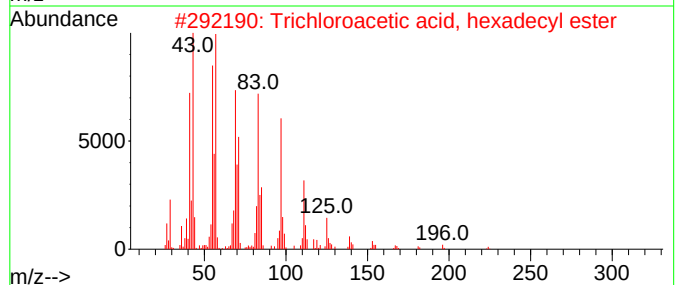
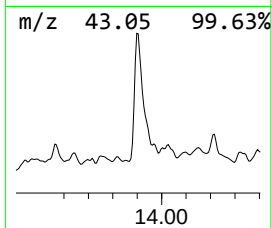
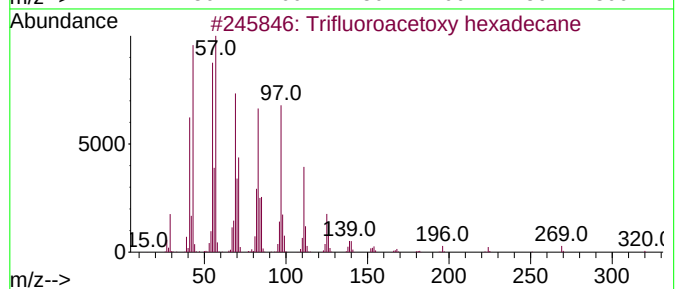
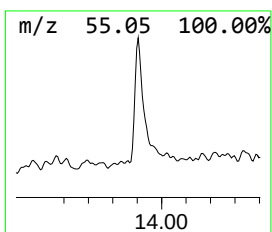
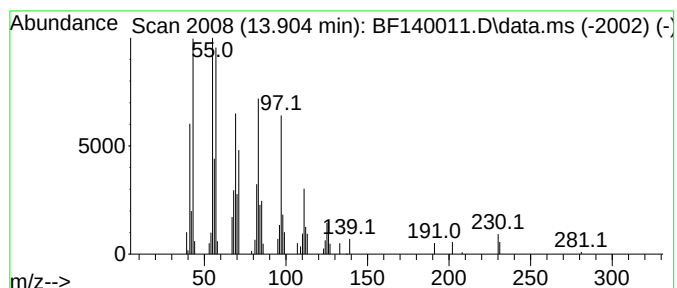
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101824.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST0.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*

Peak Number 6 Trifluoroacetoxy hexadecane Concentration Rank 5

| R.T.      | EstConc                             | Area  | Relative to ISTD | R.T.        |      |
|-----------|-------------------------------------|-------|------------------|-------------|------|
| 13.904    | 4.05 ng                             | 95182 | Chrysene-d12     | 14.045      |      |
| Hit# of 5 | Tentative ID                        | MW    | MolForm          | CAS#        | Qual |
| 1         | Trifluoroacetoxy hexadecane         | 338   | C18H33F3O2       | 006222-03-3 | 95   |
| 2         | Trichloroacetic acid, hexadecyl ... | 386   | C18H33Cl3O2      | 074339-54-1 | 94   |
| 3         | Trichloroacetic acid, pentadecyl... | 372   | C17H31Cl3O2      | 074339-53-0 | 94   |
| 4         | Heptafluorobutyric acid, pentade... | 424   | C19H31F7O2       | 959261-23-5 | 93   |
| 5         | Octadecyl trifluoroacetate          | 366   | C20H37F3O2       | 079392-43-1 | 91   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102424\  
Data File : BF140011.D  
Acq On : 24 Oct 2024 20:08  
Operator : RC/JU  
Sample : P4471-01  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
B-180-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101824.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

| TIC Top Hit name   | RT     | EstConc | Units | Response | --Internal Standard-- |        |        |      |
|--------------------|--------|---------|-------|----------|-----------------------|--------|--------|------|
|                    |        |         |       |          | #                     | RT     | Resp   | Conc |
| Butane, 2-metho... | 2.187  | 54.5    | ng    | 1399070  | 1                     | 6.886  | 513151 | 20.0 |
| 2-Pentanone, 4-... | 5.116  | 5.3     | ng    | 135040   | 1                     | 6.886  | 513151 | 20.0 |
| Benzophenone       | 10.633 | 4.9     | ng    | 180615   | 3                     | 9.922  | 732588 | 20.0 |
| n-Hexadecanoic ... | 11.933 | 6.4     | ng    | 238617   | 4                     | 11.410 | 746590 | 20.0 |
| Trifluoroacetox... | 13.904 | 4.0     | ng    | 95182    | 5                     | 14.045 | 469611 | 20.0 |

## Report of Analysis

|                    |                              |                 |                  |
|--------------------|------------------------------|-----------------|------------------|
| Client:            | Portal Partners Tri-Venture  | Date Collected: | 10/20/24         |
| Project:           | Amtrak Sawtooth Bridges 2024 | Date Received:  | 10/21/24         |
| Client Sample ID:  | B-180-SB02                   | SDG No.:        | P4471            |
| Lab Sample ID:     | P4471-02                     | Matrix:         | SOIL             |
| Analytical Method: | SW8270                       | % Solid:        | 49.2             |
| Sample Wt/Vol:     | 30.02 Units: g               | Final Vol:      | 1000 uL          |
| Soil Aliquot Vol:  | uL                           | Test:           | SVOC-TCL BNA -20 |
| Extraction Type :  | Decanted : N                 | Level :         | LOW              |
| Injection Volume : | GPC Factor : 1.0             | GPC Cleanup :   | N PH :           |
| Prep Method :      | SW3541                       |                 |                  |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BF140064.D        | 1         | 10/22/24 10:44 | 10/26/24 17:16 | PB164312      |

| CAS Number     | Parameter                   | Conc. | Qualifier | MDL  | LOQ / CRQL | Units(Dry Weight) |
|----------------|-----------------------------|-------|-----------|------|------------|-------------------|
| <b>TARGETS</b> |                             |       |           |      |            |                   |
| 100-52-7       | Benzaldehyde                | 370   | U         | 370  | 670        | ug/Kg             |
| 108-95-2       | Phenol                      | 170   | U         | 170  | 350        | ug/Kg             |
| 111-44-4       | bis(2-Chloroethyl)ether     | 170   | U         | 170  | 350        | ug/Kg             |
| 95-57-8        | 2-Chlorophenol              | 170   | U         | 170  | 350        | ug/Kg             |
| 95-48-7        | 2-Methylphenol              | 160   | U         | 160  | 350        | ug/Kg             |
| 108-60-1       | 2,2-oxybis(1-Chloropropane) | 180   | U         | 180  | 350        | ug/Kg             |
| 98-86-2        | Acetophenone                | 180   | U         | 180  | 350        | ug/Kg             |
| 65794-96-9     | 3+4-Methylphenols           | 160   | U         | 160  | 670        | ug/Kg             |
| 621-64-7       | n-Nitroso-di-n-propylamine  | 81.9  | U         | 81.9 | 160        | ug/Kg             |
| 67-72-1        | Hexachloroethane            | 170   | U         | 170  | 350        | ug/Kg             |
| 98-95-3        | Nitrobenzene                | 180   | U         | 180  | 350        | ug/Kg             |
| 78-59-1        | Isophorone                  | 170   | U         | 170  | 350        | ug/Kg             |
| 88-75-5        | 2-Nitrophenol               | 190   | U         | 190  | 350        | ug/Kg             |
| 105-67-9       | 2,4-Dimethylphenol          | 190   | U         | 190  | 350        | ug/Kg             |
| 111-91-1       | bis(2-Chloroethoxy)methane  | 170   | U         | 170  | 350        | ug/Kg             |
| 120-83-2       | 2,4-Dichlorophenol          | 150   | U         | 150  | 350        | ug/Kg             |
| 91-20-3        | Naphthalene                 | 170   | U         | 170  | 350        | ug/Kg             |
| 106-47-8       | 4-Chloroaniline             | 170   | U         | 170  | 350        | ug/Kg             |
| 87-68-3        | Hexachlorobutadiene         | 170   | U         | 170  | 350        | ug/Kg             |
| 105-60-2       | Caprolactam                 | 180   | U         | 180  | 670        | ug/Kg             |
| 59-50-7        | 4-Chloro-3-methylphenol     | 160   | U         | 160  | 350        | ug/Kg             |
| 91-57-6        | 2-Methylnaphthalene         | 170   | U         | 170  | 350        | ug/Kg             |
| 77-47-4        | Hexachlorocyclopentadiene   | 320   | UQ        | 320  | 670        | ug/Kg             |
| 88-06-2        | 2,4,6-Trichlorophenol       | 150   | U         | 150  | 350        | ug/Kg             |
| 95-95-4        | 2,4,5-Trichlorophenol       | 150   | U         | 150  | 350        | ug/Kg             |
| 92-52-4        | 1,1-Biphenyl                | 180   | U         | 180  | 350        | ug/Kg             |
| 91-58-7        | 2-Chloronaphthalene         | 170   | U         | 170  | 350        | ug/Kg             |
| 88-74-4        | 2-Nitroaniline              | 190   | U         | 190  | 350        | ug/Kg             |
| 131-11-3       | Dimethylphthalate           | 170   | U         | 170  | 350        | ug/Kg             |

## Report of Analysis

|                    |                              |                 |                              |
|--------------------|------------------------------|-----------------|------------------------------|
| Client:            | Portal Partners Tri-Venture  | Date Collected: | 10/20/24                     |
| Project:           | Amtrak Sawtooth Bridges 2024 | Date Received:  | 10/21/24                     |
| Client Sample ID:  | B-180-SB02                   | SDG No.:        | P4471                        |
| Lab Sample ID:     | P4471-02                     | Matrix:         | SOIL                         |
| Analytical Method: | SW8270                       | % Solid:        | 49.2                         |
| Sample Wt/Vol:     | 30.02      Units:    g       | Final Vol:      | 1000                      uL |
| Soil Aliquot Vol:  | uL                           | Test:           | SVOC-TCL BNA -20             |
| Extraction Type :  | Decanted :      N            | Level :         | LOW                          |
| Injection Volume : | GPC Factor :    1.0          | GPC Cleanup :   | N                      PH :  |
| Prep Method :      | SW3541                       |                 |                              |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BF140064.D        | 1         | 10/22/24 10:44 | 10/26/24 17:16 | PB164312      |

| CAS Number | Parameter                  | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|------------|----------------------------|-------|-----------|-----|------------|-------------------|
| 208-96-8   | Acenaphthylene             | 180   | U         | 180 | 350        | ug/Kg             |
| 606-20-2   | 2,6-Dinitrotoluene         | 170   | U         | 170 | 350        | ug/Kg             |
| 99-09-2    | 3-Nitroaniline             | 180   | U         | 180 | 350        | ug/Kg             |
| 83-32-9    | Acenaphthene               | 160   | U         | 160 | 350        | ug/Kg             |
| 51-28-5    | 2,4-Dinitrophenol          | 490   | U         | 490 | 670        | ug/Kg             |
| 100-02-7   | 4-Nitrophenol              | 240   | U         | 240 | 670        | ug/Kg             |
| 132-64-9   | Dibenzofuran               | 170   | U         | 170 | 350        | ug/Kg             |
| 121-14-2   | 2,4-Dinitrotoluene         | 180   | U         | 180 | 350        | ug/Kg             |
| 84-66-2    | Diethylphthalate           | 160   | U         | 160 | 350        | ug/Kg             |
| 7005-72-3  | 4-Chlorophenyl-phenylether | 170   | U         | 170 | 350        | ug/Kg             |
| 86-73-7    | Fluorene                   | 170   | U         | 170 | 350        | ug/Kg             |
| 100-01-6   | 4-Nitroaniline             | 220   | U         | 220 | 350        | ug/Kg             |
| 534-52-1   | 4,6-Dinitro-2-methylphenol | 240   | UQ        | 240 | 670        | ug/Kg             |
| 86-30-6    | n-Nitrosodiphenylamine     | 170   | U         | 170 | 350        | ug/Kg             |
| 101-55-3   | 4-Bromophenyl-phenylether  | 160   | U         | 160 | 350        | ug/Kg             |
| 118-74-1   | Hexachlorobenzene          | 170   | U         | 170 | 350        | ug/Kg             |
| 1912-24-9  | Atrazine                   | 190   | U         | 190 | 350        | ug/Kg             |
| 87-86-5    | Pentachlorophenol          | 160   | U         | 160 | 670        | ug/Kg             |
| 85-01-8    | Phenanthrene               | 170   | U         | 170 | 350        | ug/Kg             |
| 120-12-7   | Anthracene                 | 170   | U         | 170 | 350        | ug/Kg             |
| 86-74-8    | Carbazole                  | 160   | U         | 160 | 350        | ug/Kg             |
| 84-74-2    | Di-n-butylphthalate        | 170   | U         | 170 | 350        | ug/Kg             |
| 206-44-0   | Fluoranthene               | 170   | U         | 170 | 350        | ug/Kg             |
| 129-00-0   | Pyrene                     | 170   | U         | 170 | 350        | ug/Kg             |
| 85-68-7    | Butylbenzylphthalate       | 200   | U         | 200 | 350        | ug/Kg             |
| 91-94-1    | 3,3-Dichlorobenzidine      | 200   | U         | 200 | 670        | ug/Kg             |
| 56-55-3    | Benzo(a)anthracene         | 160   | U         | 160 | 350        | ug/Kg             |
| 218-01-9   | Chrysene                   | 160   | U         | 160 | 350        | ug/Kg             |
| 117-81-7   | Bis(2-ethylhexyl)phthalate | 180   | U         | 180 | 350        | ug/Kg             |
| 117-84-0   | Di-n-octyl phthalate       | 220   | U         | 220 | 670        | ug/Kg             |
| 205-99-2   | Benzo(b)fluoranthene       | 160   | U         | 160 | 350        | ug/Kg             |

## Report of Analysis

|                    |                              |                 |                              |
|--------------------|------------------------------|-----------------|------------------------------|
| Client:            | Portal Partners Tri-Venture  | Date Collected: | 10/20/24                     |
| Project:           | Amtrak Sawtooth Bridges 2024 | Date Received:  | 10/21/24                     |
| Client Sample ID:  | B-180-SB02                   | SDG No.:        | P4471                        |
| Lab Sample ID:     | P4471-02                     | Matrix:         | SOIL                         |
| Analytical Method: | SW8270                       | % Solid:        | 49.2                         |
| Sample Wt/Vol:     | 30.02      Units:    g       | Final Vol:      | 1000                      uL |
| Soil Aliquot Vol:  | uL                           | Test:           | SVOC-TCL BNA -20             |
| Extraction Type :  | Decanted :      N            | Level :         | LOW                          |
| Injection Volume : | GPC Factor :    1.0          | GPC Cleanup :   | N                      PH :  |
| Prep Method :      | SW3541                       |                 |                              |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BF140064.D        | 1         | 10/22/24 10:44 | 10/26/24 17:16 | PB164312      |

| CAS Number | Parameter                  | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|------------|----------------------------|-------|-----------|-----|------------|-------------------|
| 207-08-9   | Benzo(k)fluoranthene       | 170   | U         | 170 | 350        | ug/Kg             |
| 50-32-8    | Benzo(a)pyrene             | 190   | U         | 190 | 350        | ug/Kg             |
| 193-39-5   | Indeno(1,2,3-cd)pyrene     | 160   | U         | 160 | 350        | ug/Kg             |
| 53-70-3    | Dibenzo(a,h)anthracene     | 160   | U         | 160 | 350        | ug/Kg             |
| 191-24-2   | Benzo(g,h,i)perylene       | 160   | U         | 160 | 350        | ug/Kg             |
| 95-94-3    | 1,2,4,5-Tetrachlorobenzene | 180   | U         | 180 | 350        | ug/Kg             |
| 123-91-1   | 1,4-Dioxane                | 220   | U         | 220 | 350        | ug/Kg             |
| 58-90-2    | 2,3,4,6-Tetrachlorophenol  | 150   | U         | 150 | 350        | ug/Kg             |

### SURROGATES

|            |                      |      |  |                     |     |          |
|------------|----------------------|------|--|---------------------|-----|----------|
| 367-12-4   | 2-Fluorophenol       | 84.0 |  | 30 (18) - 130 (112) | 56% | SPK: 150 |
| 13127-88-3 | Phenol-d6            | 81.8 |  | 30 (15) - 130 (107) | 55% | SPK: 150 |
| 4165-60-0  | Nitrobenzene-d5      | 67.2 |  | 30 (18) - 130 (107) | 67% | SPK: 100 |
| 321-60-8   | 2-Fluorobiphenyl     | 52.1 |  | 30 (20) - 130 (109) | 52% | SPK: 100 |
| 118-79-6   | 2,4,6-Tribromophenol | 83.0 |  | 30 (10) - 130 (116) | 55% | SPK: 150 |
| 1718-51-0  | Terphenyl-d14        | 41.0 |  | 30 (10) - 130 (105) | 41% | SPK: 100 |

### INTERNAL STANDARDS

|            |                        |        |        |
|------------|------------------------|--------|--------|
| 3855-82-1  | 1,4-Dichlorobenzene-d4 | 141000 | 6.887  |
| 1146-65-2  | Naphthalene-d8         | 539000 | 8.169  |
| 15067-26-2 | Acenaphthene-d10       | 296000 | 9.922  |
| 1517-22-2  | Phenanthrene-d10       | 471000 | 11.41  |
| 1719-03-5  | Chrysene-d12           | 239000 | 14.045 |
| 1520-96-3  | Perylene-d12           | 267000 | 15.527 |

### TENTATIVE IDENTIFIED COMPOUNDS

|             |                                    |      |    |      |       |
|-------------|------------------------------------|------|----|------|-------|
| 000994-05-8 | Butane, 2-methoxy-2-methyl-        | 3400 | JB | 2.22 | ug/Kg |
| 000080-56-8 | .alpha.-Pinene                     | 6600 | J  | 6.17 | ug/Kg |
| 000079-92-5 | Camphene                           | 400  | J  | 6.34 | ug/Kg |
| 000099-87-6 | p-Cymene                           | 1000 | J  | 6.96 | ug/Kg |
| 001632-73-1 | Fenchol                            | 510  | J  | 7.70 | ug/Kg |
| 000464-48-2 | Bicyclo[2.2.1]heptan-2-one, 1,7,7- | 1200 | J  | 7.92 | ug/Kg |
| 000507-70-0 | endo-Borneol                       | 470  | J  | 8.07 | ug/Kg |



## Report of Analysis

|                    |                              |                 |                              |
|--------------------|------------------------------|-----------------|------------------------------|
| Client:            | Portal Partners Tri-Venture  | Date Collected: | 10/20/24                     |
| Project:           | Amtrak Sawtooth Bridges 2024 | Date Received:  | 10/21/24                     |
| Client Sample ID:  | B-180-SB02                   | SDG No.:        | P4471                        |
| Lab Sample ID:     | P4471-02                     | Matrix:         | SOIL                         |
| Analytical Method: | SW8270                       | % Solid:        | 49.2                         |
| Sample Wt/Vol:     | 30.02      Units:    g       | Final Vol:      | 1000                      uL |
| Soil Aliquot Vol:  | uL                           | Test:           | SVOC-TCL BNA -20             |
| Extraction Type :  | Decanted :      N            | Level :         | LOW                          |
| Injection Volume : | GPC Factor :    1.0          | GPC Cleanup :   | N                      PH :  |
| Prep Method :      | SW3541                       |                 |                              |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BF140064.D        | 1         | 10/22/24 10:44 | 10/26/24 17:16 | PB164312      |

| CAS Number   | Parameter                          | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|--------------|------------------------------------|-------|-----------|-----|------------|-------------------|
| 000562-74-3  | Terpinen-4-ol                      | 550   | J         |     | 8.11       | ug/Kg             |
| 000057-10-3  | n-Hexadecanoic acid                | 710   | J         |     | 11.9       | ug/Kg             |
|              | unknown13.533                      | 370   | J         |     | 13.5       | ug/Kg             |
| 053057-53-7  | 1,21-Docosadiene                   | 420   | J         |     | 13.7       | ug/Kg             |
| 001740-19-8  | Dehydroabietic acid                | 400   | J         |     | 13.8       | ug/Kg             |
| 959085-66-6  | Heptadecyl heptafluorobutyrate     | 910   | J         |     | 13.9       | ug/Kg             |
| 000112-85-6  | Docosanoic acid                    | 420   | J         |     | 14.1       | ug/Kg             |
| 079392-43-1  | Octadecyl trifluoroacetate         | 1100  | J         |     | 14.5       | ug/Kg             |
| 000630-01-3  | Hexacosane                         | 400   | J         |     | 15.2       | ug/Kg             |
| 000083-47-6  | .gamma.-Sitosterol                 | 480   | J         |     | 17.6       | ug/Kg             |
| 000511-05-7  | 9(1H)-Phenanthrenone, 2,3,4,4a,10, | 830   | J         |     | 17.7       | ug/Kg             |
| 1010140-07-7 | 1,4-Dimethyl-8-isopropylidenetricy | 700   | J         |     | 18.0       | ug/Kg             |
| 1000192-65-0 | 1,2-15,16-Diepoxyhexadecane        | 3100  | J         |     | 18.2       | ug/Kg             |

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

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102624\  
Data File : BF140064.D  
Acq On : 26 Oct 2024 17:16  
Operator : RC/JU  
Sample : P4471-02  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
B-180-SB02

Quant Time: Oct 28 01:09:07 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101824.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Oct 18 15:07:50 2024  
Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|--------|------|----------|--------|-------|----------|
| Internal Standards          |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 6.887  | 152  | 140732   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.169  | 136  | 538776   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10        | 9.922  | 164  | 296372   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.410 | 188  | 470615   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12            | 14.045 | 240  | 239328   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12            | 15.527 | 264  | 267329   | 20.000 | ng    | 0.00     |
| System Monitoring Compounds |        |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.510  | 112  | 755062   | 83.992 | ng    | 0.01     |
| 7) Phenol-d6                | 6.504  | 99   | 952058   | 81.770 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.445  | 82   | 653400   | 67.215 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.710 | 330  | 230229   | 83.050 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.245  | 172  | 934206   | 52.095 | ng    | 0.00     |
| 79) Terphenyl-d14           | 12.992 | 244  | 602171   | 40.999 | ng    | 0.00     |

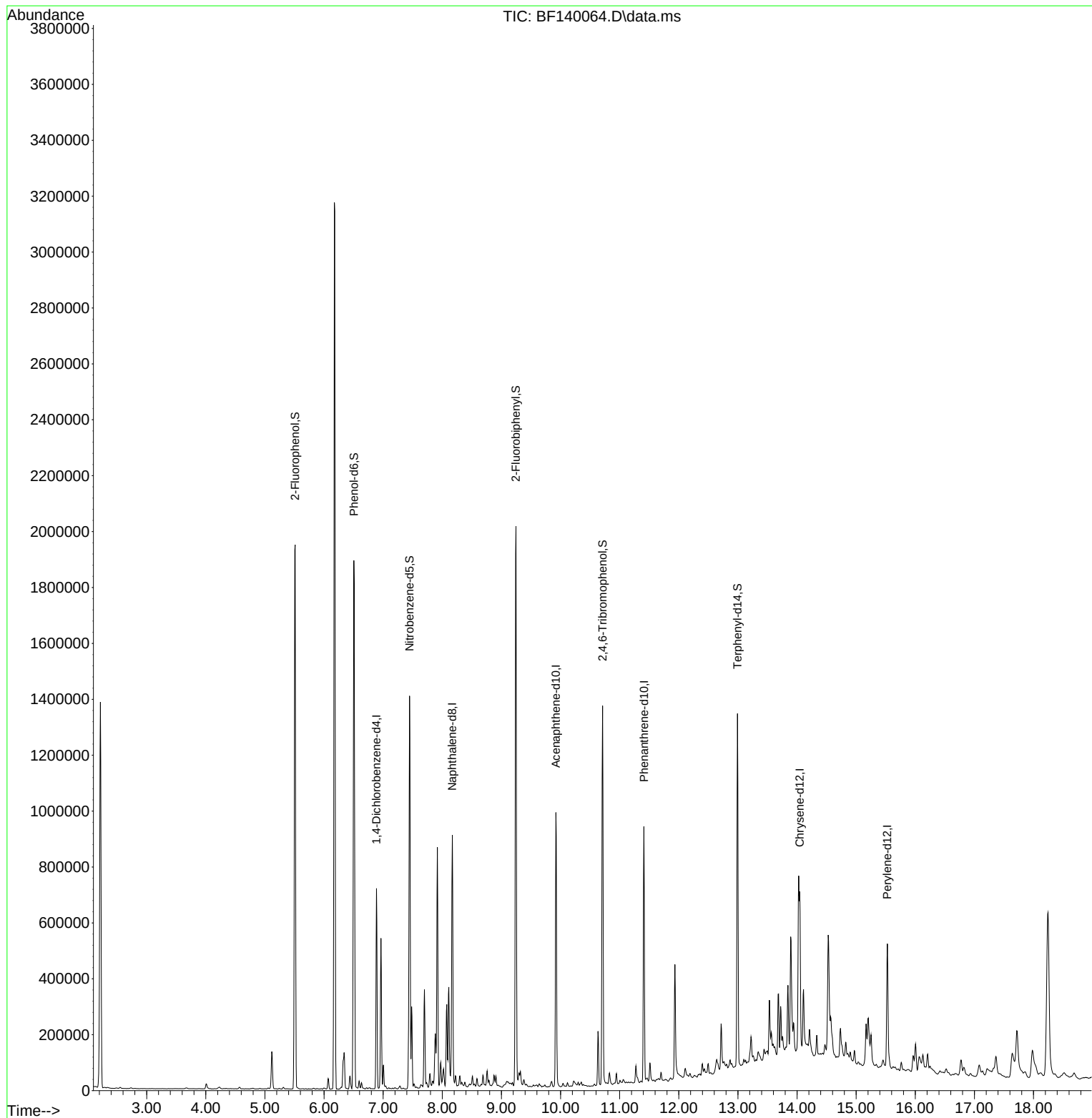
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

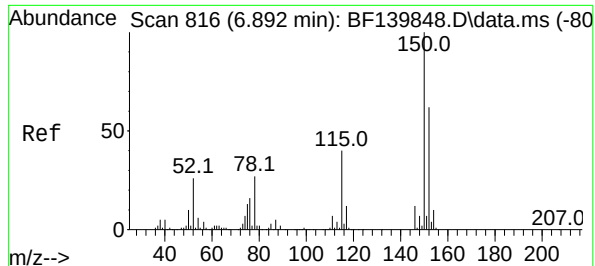
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102624\  
Data File : BF140064.D  
Acq On : 26 Oct 2024 17:16  
Operator : RC/JU  
Sample : P4471-02  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
B-180-SB02

Quant Time: Oct 28 01:09:07 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101824.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Oct 18 15:07:50 2024  
Response via : Initial Calibration

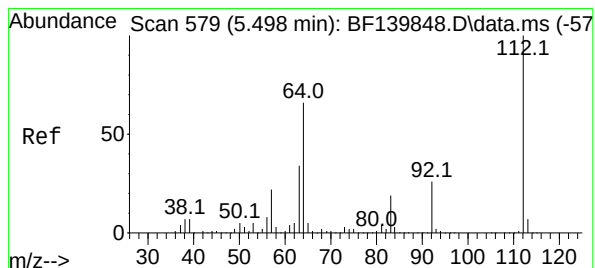
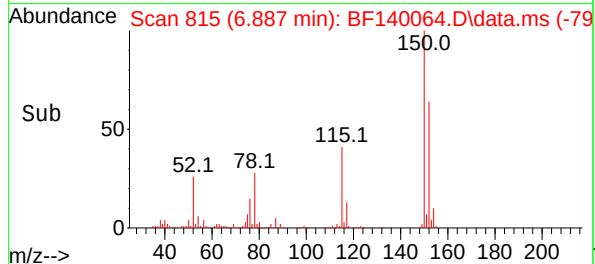
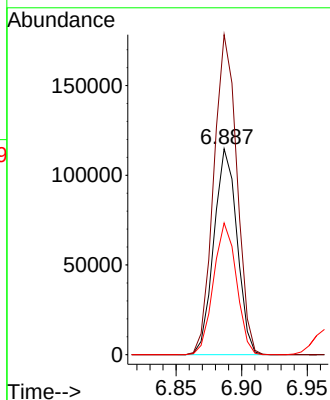
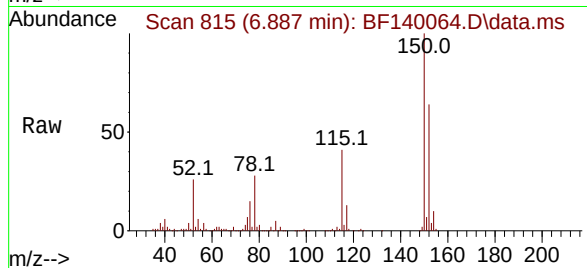




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.887 min Scan# 816  
Delta R.T. -0.005 min  
Lab File: BF140064.D  
Acq: 26 Oct 2024 17:16

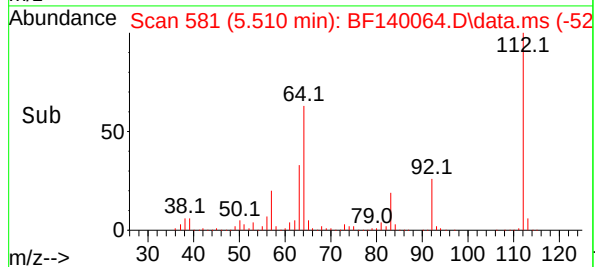
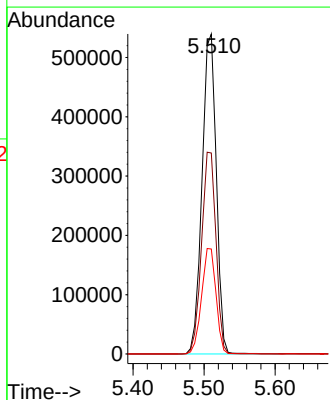
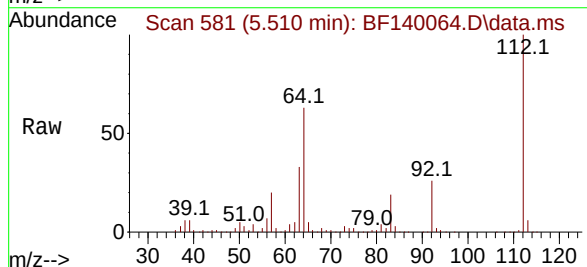
Instrument :  
BNA\_F  
ClientSampleId :  
B-180-SB02

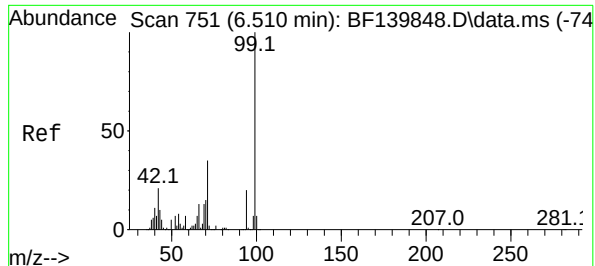
Tgt Ion:152 Resp: 140732  
Ion Ratio Lower Upper  
152 100  
150 155.4 130.2 195.2  
115 63.9 51.4 77.2



#5  
2-Fluorophenol  
Concen: 83.992 ng  
RT: 5.510 min Scan# 581  
Delta R.T. 0.012 min  
Lab File: BF140064.D  
Acq: 26 Oct 2024 17:16

Tgt Ion:112 Resp: 755062  
Ion Ratio Lower Upper  
112 100  
64 62.8 53.0 79.6  
63 32.8 27.0 40.4

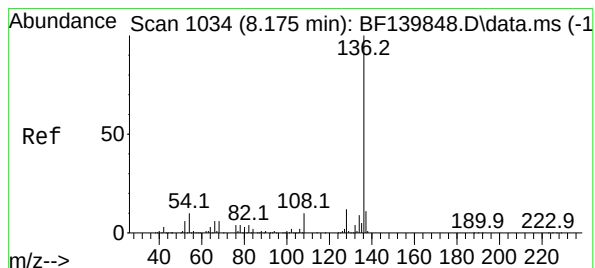
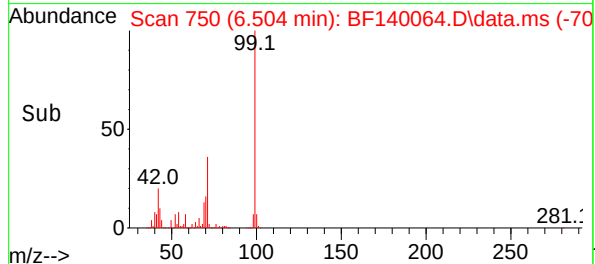
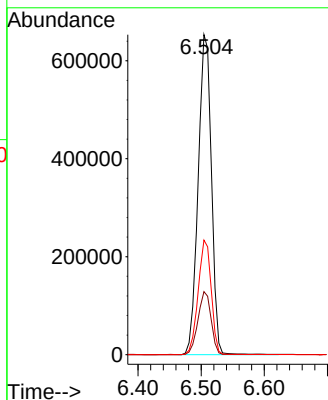
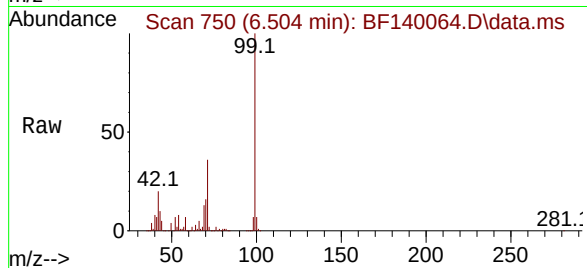




#7  
Phenol-d6  
Concen: 81.770 ng  
RT: 6.504 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: BF140064.D  
Acq: 26 Oct 2024 17:16

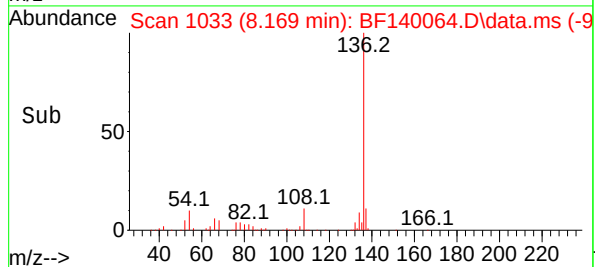
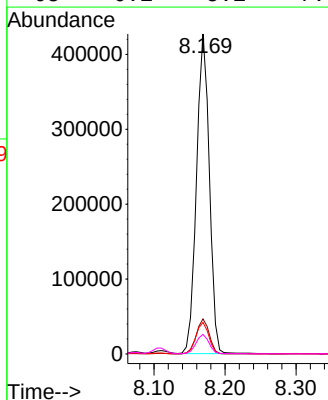
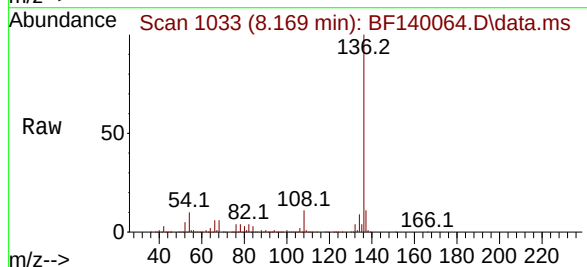
Instrument :  
BNA\_F  
ClientSampleId :  
B-180-SB02

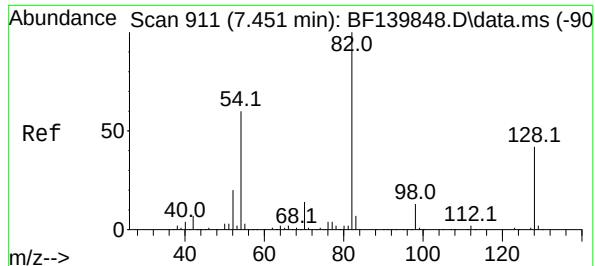
Tgt Ion: 99 Resp: 952058  
Ion Ratio Lower Upper  
99 100  
42 19.7 16.7 25.1  
71 35.8 27.7 41.5



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.169 min Scan# 1033  
Delta R.T. -0.006 min  
Lab File: BF140064.D  
Acq: 26 Oct 2024 17:16

Tgt Ion: 136 Resp: 538776  
Ion Ratio Lower Upper  
136 100  
137 11.0 8.6 12.8  
54 9.9 8.4 12.6  
68 6.1 5.1 7.7





#23

Nitrobenzene-d5

Concen: 67.215 ng

RT: 7.445 min Scan# 911

Delta R.T. -0.006 min

Lab File: BF140064.D

Acq: 26 Oct 2024 17:16

Instrument :

BNA\_F

ClientSampleId :

B-180-SB02

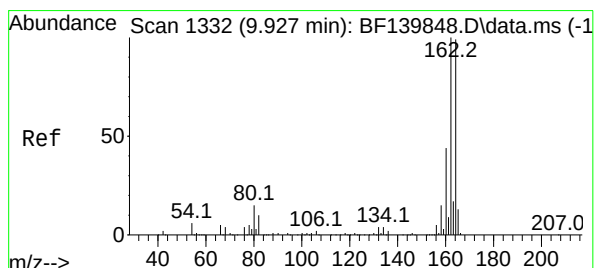
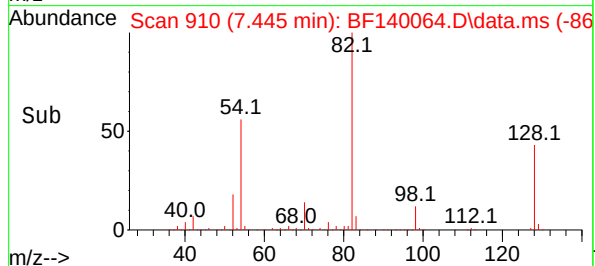
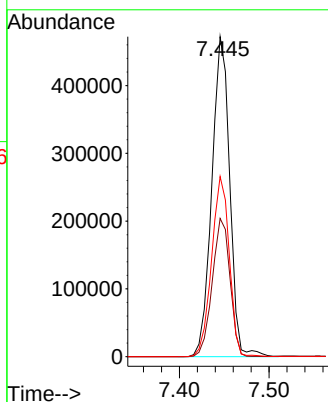
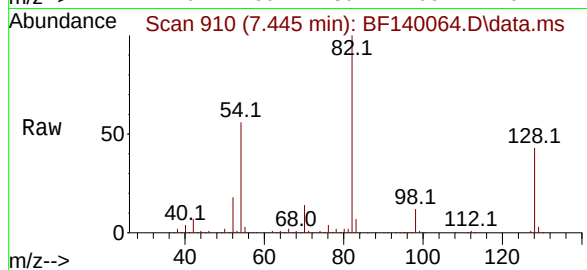
Tgt Ion: 82 Resp: 653400

Ion Ratio Lower Upper

82 100

128 43.2 33.4 50.0

54 56.3 47.8 71.8



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.922 min Scan# 1331

Delta R.T. -0.005 min

Lab File: BF140064.D

Acq: 26 Oct 2024 17:16

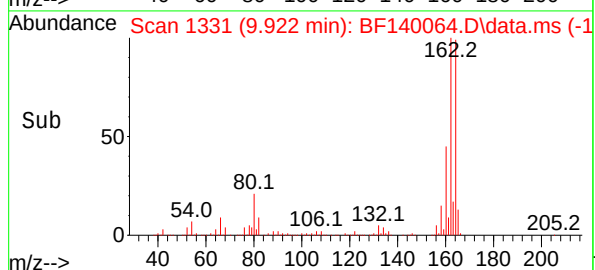
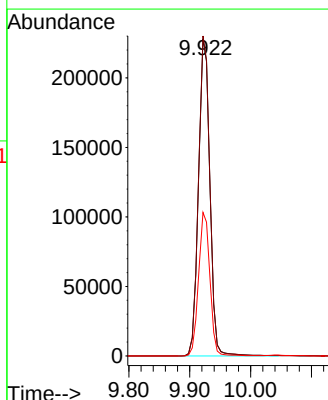
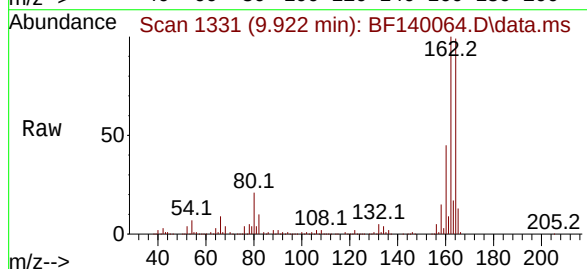
Tgt Ion: 164 Resp: 296372

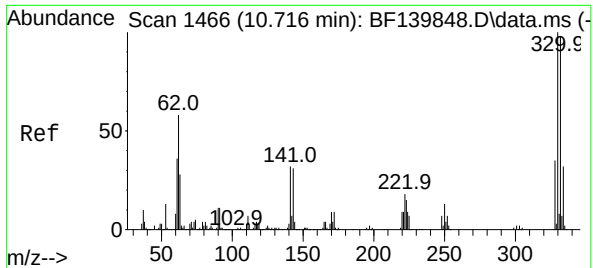
Ion Ratio Lower Upper

164 100

162 100.8 81.0 121.4

160 45.2 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 83.050 ng

RT: 10.710 min Scan# 1465

Delta R.T. -0.006 min

Lab File: BF140064.D

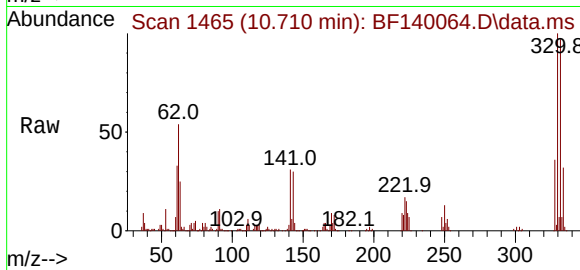
Acq: 26 Oct 2024 17:16

Instrument :

BNA\_F

ClientSampleId :

B-180-SB02



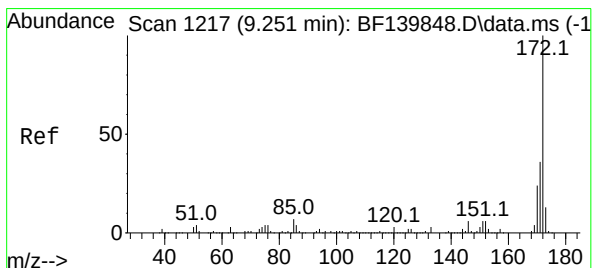
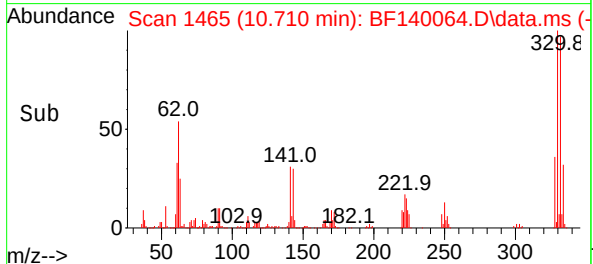
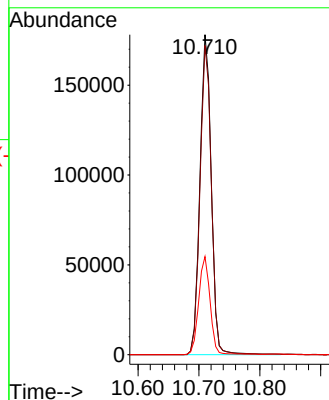
Tgt Ion:330 Resp: 230229

Ion Ratio Lower Upper

330 100

332 97.2 78.1 117.1

141 31.1 26.6 39.8



#45

2-Fluorobiphenyl

Concen: 52.095 ng

RT: 9.245 min Scan# 1216

Delta R.T. -0.006 min

Lab File: BF140064.D

Acq: 26 Oct 2024 17:16

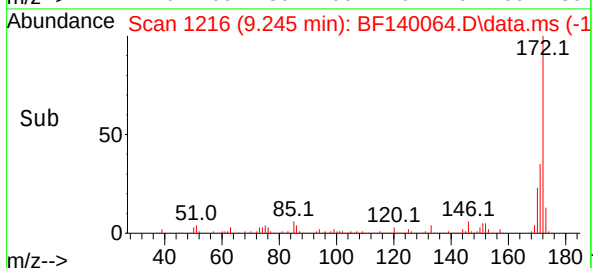
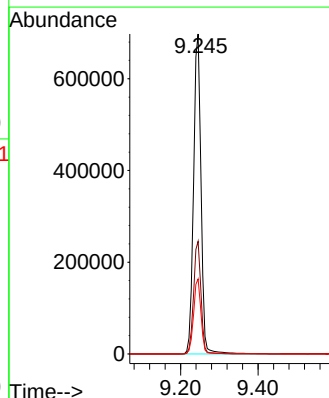
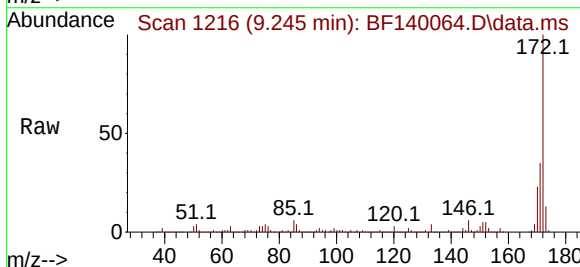
Tgt Ion:172 Resp: 934206

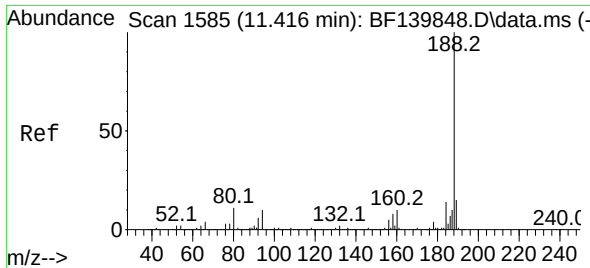
Ion Ratio Lower Upper

172 100

171 35.2 28.6 43.0

170 23.5 19.1 28.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.410 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF140064.D

Acq: 26 Oct 2024 17:16

Instrument :

BNA\_F

ClientSampleId :

B-180-SB02

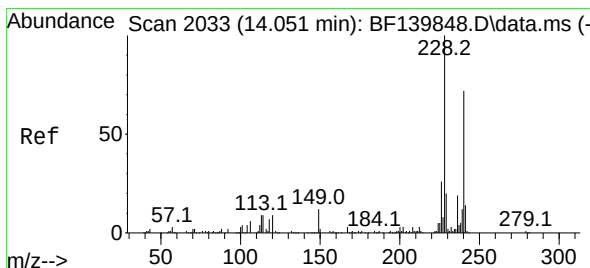
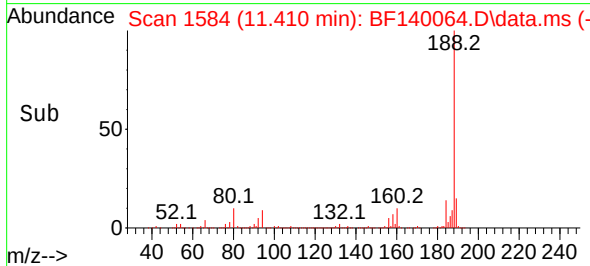
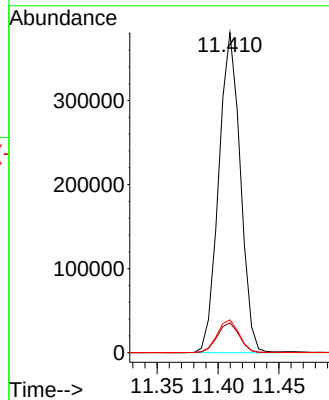
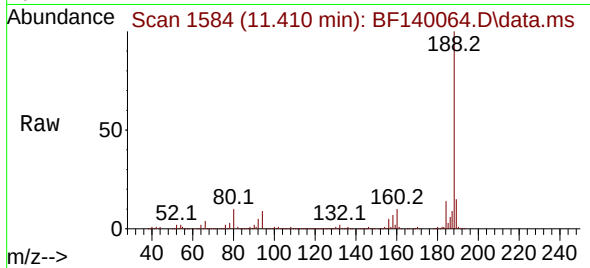
Tgt Ion:188 Resp: 470615

Ion Ratio Lower Upper

188 100

94 9.3 7.9 11.9

80 10.3 9.0 13.4



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.045 min Scan# 2032

Delta R.T. -0.006 min

Lab File: BF140064.D

Acq: 26 Oct 2024 17:16

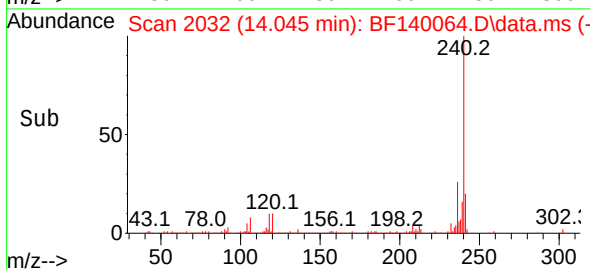
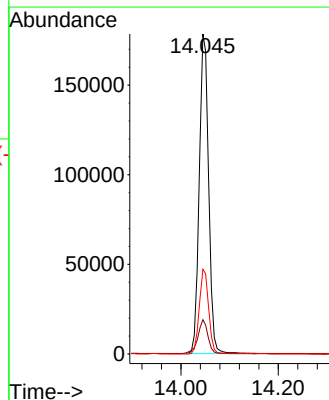
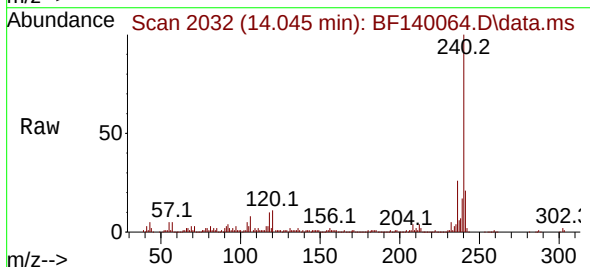
Tgt Ion:240 Resp: 239328

Ion Ratio Lower Upper

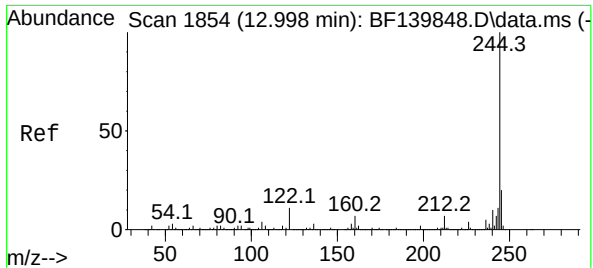
240 100

120 10.7 9.4 14.2

236 26.4 20.9 31.3







#79

Terphenyl-d14

Concen: 40.999 ng

RT: 12.992 min Scan# 1853

Delta R.T. -0.006 min

Lab File: BF140064.D

Acq: 26 Oct 2024 17:16

Instrument :

BNA\_F

ClientSampleId :

B-180-SB02

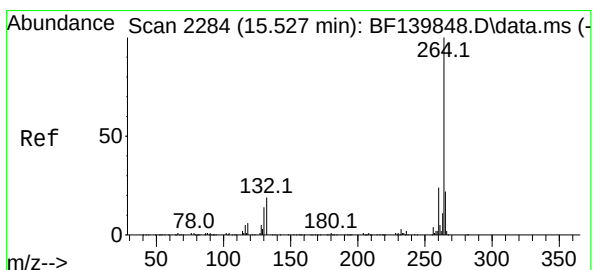
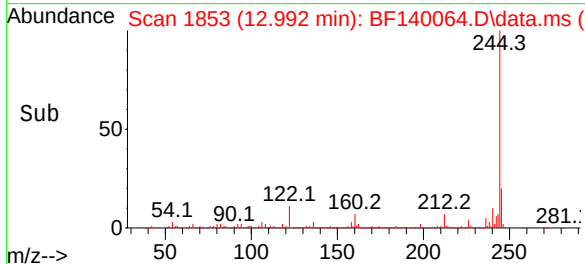
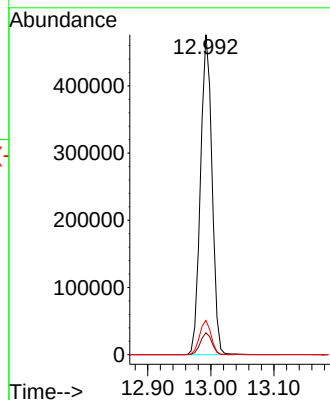
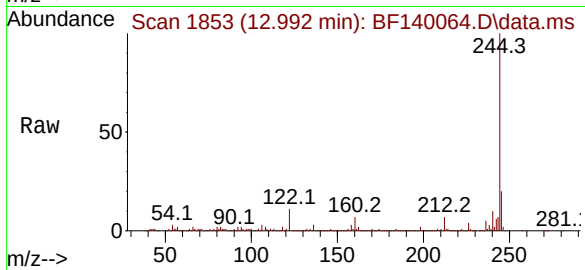
Tgt Ion:244 Resp: 602171

Ion Ratio Lower Upper

244 100

212 6.9 5.7 8.5

122 10.7 8.6 13.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.527 min Scan# 2284

Delta R.T. 0.000 min

Lab File: BF140064.D

Acq: 26 Oct 2024 17:16

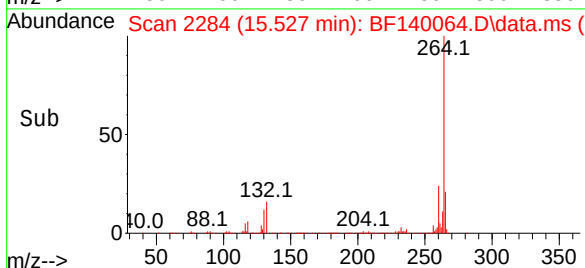
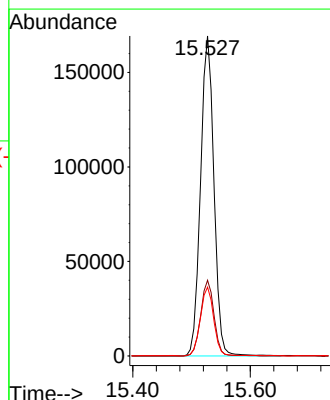
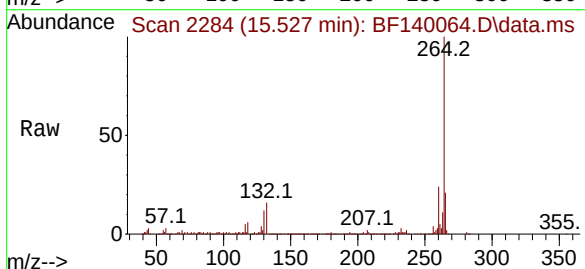
Tgt Ion:264 Resp: 267329

Ion Ratio Lower Upper

264 100

260 23.7 19.4 29.2

265 21.5 17.4 26.0



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102624\  
Data File : BF140064.D  
Acq On : 26 Oct 2024 17:16  
Operator : RC/JU  
Sample : P4471-02  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
B-180-SB02

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101824.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF140064.D\data.ms

| peak<br># | R.T.<br>min | first<br>scan | max<br>scan | last<br>scan | PK<br>TY | peak<br>height | corr.<br>area | corr.<br>% max. | % of<br>total |
|-----------|-------------|---------------|-------------|--------------|----------|----------------|---------------|-----------------|---------------|
| 1         | 2.216       | 12            | 21          | 28           | rVB      | 1379832        | 2208512       | 51.40%          | 5.450%        |
| 2         | 5.116       | 506           | 514         | 522          | rVB      | 132492         | 203577        | 4.74%           | 0.502%        |
| 3         | 5.510       | 574           | 581         | 586          | rBV      | 1946641        | 2748899       | 63.98%          | 6.783%        |
| 4         | 6.069       | 671           | 676         | 681          | rVB      | 37611          | 47318         | 1.10%           | 0.117%        |
| 5         | 6.175       | 688           | 694         | 700          | rVB      | 3171045        | 4296457       | 100.00%         | 10.602%       |
| 6         | 6.340       | 715           | 722         | 727          | rVB2     | 127377         | 260291        | 6.06%           | 0.642%        |
| 7         | 6.440       | 734           | 739         | 744          | rBV2     | 46076          | 69578         | 1.62%           | 0.172%        |
| 8         | 6.504       | 744           | 750         | 756          | rBV      | 1889536        | 2746184       | 63.92%          | 6.776%        |
| 9         | 6.887       | 810           | 815         | 820          | rBV      | 716588         | 882895        | 20.55%          | 2.179%        |
| 10        | 6.963       | 820           | 828         | 832          | rBV      | 535905         | 659118        | 15.34%          | 1.626%        |
| 11        | 7.004       | 832           | 835         | 839          | rVB      | 77211          | 88612         | 2.06%           | 0.219%        |
| 12        | 7.445       | 900           | 910         | 914          | rBV      | 1406315        | 1967337       | 45.79%          | 4.854%        |
| 13        | 7.481       | 914           | 916         | 920          | rVB      | 285346         | 316770        | 7.37%           | 0.782%        |
| 14        | 7.698       | 948           | 953         | 957          | rBV      | 346966         | 435586        | 10.14%          | 1.075%        |
| 15        | 7.792       | 964           | 969         | 973          | rBV      | 48578          | 72313         | 1.68%           | 0.178%        |
| 16        | 7.881       | 979           | 984         | 986          | rBV2     | 177606         | 260187        | 6.06%           | 0.642%        |
| 17        | 7.916       | 986           | 990         | 995          | rVB      | 851093         | 1073712       | 24.99%          | 2.649%        |
| 18        | 7.975       | 995           | 1000        | 1003         | rBV      | 82231          | 111187        | 2.59%           | 0.274%        |
| 19        | 8.022       | 1003          | 1008        | 1012         | rVB2     | 59935          | 95852         | 2.23%           | 0.237%        |
| 20        | 8.075       | 1012          | 1017        | 1020         | rBV      | 290560         | 406599        | 9.46%           | 1.003%        |
| 21        | 8.110       | 1020          | 1023        | 1028         | rVV2     | 345928         | 472284        | 10.99%          | 1.165%        |
| 22        | 8.169       | 1028          | 1033        | 1039         | rVV      | 889890         | 1163647       | 27.08%          | 2.871%        |
| 23        | 8.222       | 1039          | 1042        | 1047         | rVB2     | 36222          | 48177         | 1.12%           | 0.119%        |
| 24        | 8.298       | 1050          | 1055        | 1058         | rBV      | 34323          | 44146         | 1.03%           | 0.109%        |
| 25        | 8.757       | 1129          | 1133        | 1136         | rBV      | 51266          | 64310         | 1.50%           | 0.159%        |
| 26        | 8.875       | 1146          | 1153        | 1156         | rBV2     | 37267          | 58009         | 1.35%           | 0.143%        |
| 27        | 9.092       | 1177          | 1190        | 1192         | rBV9     | 20757          | 61155         | 1.42%           | 0.151%        |
| 28        | 9.245       | 1209          | 1216        | 1222         | rBV      | 2000921        | 2651043       | 61.70%          | 6.541%        |
| 29        | 9.298       | 1222          | 1225        | 1227         | rVV      | 43373          | 63701         | 1.48%           | 0.157%        |
| 30        | 9.322       | 1227          | 1229        | 1235         | rVB      | 48004          | 57118         | 1.33%           | 0.141%        |
| 31        | 9.922       | 1324          | 1331        | 1345         | rVB      | 981150         | 1273032       | 29.63%          | 3.141%        |
| 32        | 10.222      | 1377          | 1382        | 1392         | rBV      | 18627          | 52231         | 1.22%           | 0.129%        |
| 33        | 10.633      | 1447          | 1452        | 1459         | rBV      | 193504         | 247379        | 5.76%           | 0.610%        |
| 34        | 10.710      | 1459          | 1465        | 1475         | rBV      | 1355466        | 1756791       | 40.89%          | 4.335%        |
| 35        | 10.828      | 1481          | 1485        | 1494         | rVB      | 41628          | 68566         | 1.60%           | 0.169%        |
| 36        | 10.945      | 1501          | 1505        | 1509         | rVB      | 35949          | 43358         | 1.01%           | 0.107%        |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102624\  
Data File : BF140064.D  
Acq On : 26 Oct 2024 17:16  
Operator : RC/JU  
Sample : P4471-02  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
B-180-SB02

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101824.M  
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 37 | 11.275 | 1557 | 1561 | 1571 | rVB  | 59351   | 105622  | 2.46%  | 0.261% |
| 38 | 11.410 | 1579 | 1584 | 1589 | rBV  | 914179  | 1142739 | 26.60% | 2.820% |
| 39 | 11.510 | 1597 | 1601 | 1610 | rBV  | 65345   | 95280   | 2.22%  | 0.235% |
| 40 | 11.933 | 1668 | 1673 | 1682 | rBV  | 408259  | 599654  | 13.96% | 1.480% |
| 41 | 12.110 | 1699 | 1703 | 1708 | rBV2 | 27338   | 46701   | 1.09%  | 0.115% |
| 42 | 12.398 | 1748 | 1752 | 1755 | rBV2 | 40328   | 60135   | 1.40%  | 0.148% |
| 43 | 12.639 | 1790 | 1793 | 1801 | rVB2 | 35219   | 72477   | 1.69%  | 0.179% |
| 44 | 12.716 | 1802 | 1806 | 1812 | rBV  | 163183  | 247377  | 5.76%  | 0.610% |
| 45 | 12.992 | 1847 | 1853 | 1863 | rBV  | 1262285 | 1648330 | 38.36% | 4.067% |
| 46 | 13.221 | 1886 | 1892 | 1896 | rBV  | 84859   | 145015  | 3.38%  | 0.358% |
| 47 | 13.445 | 1926 | 1930 | 1933 | rBV2 | 33815   | 56918   | 1.32%  | 0.140% |
| 48 | 13.533 | 1941 | 1945 | 1948 | rBV  | 192177  | 259209  | 6.03%  | 0.640% |
| 49 | 13.686 | 1966 | 1971 | 1974 | rBV  | 217147  | 294193  | 6.85%  | 0.726% |
| 50 | 13.721 | 1974 | 1977 | 1981 | rBV  | 147633  | 187581  | 4.37%  | 0.463% |
| 51 | 13.845 | 1994 | 1998 | 2002 | rBV  | 220153  | 282541  | 6.58%  | 0.697% |
| 52 | 13.892 | 2002 | 2006 | 2012 | rBV  | 384509  | 641279  | 14.93% | 1.582% |
| 53 | 14.027 | 2024 | 2029 | 2031 | rBV  | 614456  | 953505  | 22.19% | 2.353% |
| 54 | 14.110 | 2039 | 2043 | 2052 | rBV  | 200135  | 297625  | 6.93%  | 0.734% |
| 55 | 14.210 | 2057 | 2060 | 2073 | rVB2 | 94960   | 194987  | 4.54%  | 0.481% |
| 56 | 14.333 | 2077 | 2081 | 2085 | rBV  | 68043   | 84575   | 1.97%  | 0.209% |
| 57 | 14.527 | 2109 | 2114 | 2120 | rBV  | 406648  | 807285  | 18.79% | 1.992% |
| 58 | 14.733 | 2145 | 2149 | 2159 | rBV  | 98784   | 191722  | 4.46%  | 0.473% |
| 59 | 14.821 | 2161 | 2164 | 2168 | rVV  | 44476   | 56908   | 1.32%  | 0.140% |
| 60 | 14.968 | 2186 | 2189 | 2197 | rVB2 | 47934   | 72686   | 1.69%  | 0.179% |
| 61 | 15.168 | 2218 | 2223 | 2226 | rBV  | 136457  | 223350  | 5.20%  | 0.551% |
| 62 | 15.204 | 2226 | 2229 | 2234 | rVB  | 105977  | 185225  | 4.31%  | 0.457% |
| 63 | 15.527 | 2278 | 2284 | 2296 | rVB  | 446241  | 762355  | 17.74% | 1.881% |
| 64 | 15.962 | 2353 | 2358 | 2361 | rBV2 | 55242   | 101832  | 2.37%  | 0.251% |
| 65 | 16.004 | 2361 | 2365 | 2370 | rVB  | 93264   | 159013  | 3.70%  | 0.392% |
| 66 | 16.068 | 2371 | 2376 | 2382 | rBV2 | 45864   | 122762  | 2.86%  | 0.303% |
| 67 | 16.127 | 2383 | 2386 | 2391 | rVB  | 44651   | 72373   | 1.68%  | 0.179% |
| 68 | 16.210 | 2396 | 2400 | 2404 | rVB2 | 49085   | 74339   | 1.73%  | 0.183% |
| 69 | 16.774 | 2490 | 2496 | 2501 | rBV2 | 50787   | 109507  | 2.55%  | 0.270% |
| 70 | 17.080 | 2543 | 2548 | 2554 | rBV4 | 29779   | 65235   | 1.52%  | 0.161% |
| 71 | 17.362 | 2592 | 2596 | 2605 | rVB2 | 61999   | 133869  | 3.12%  | 0.330% |
| 72 | 17.639 | 2636 | 2643 | 2650 | rBV6 | 80507   | 269605  | 6.28%  | 0.665% |
| 73 | 17.715 | 2651 | 2656 | 2675 | rVB5 | 154622  | 466793  | 10.86% | 1.152% |
| 74 | 17.980 | 2693 | 2701 | 2718 | rBV5 | 95330   | 395840  | 9.21%  | 0.977% |
| 75 | 18.245 | 2735 | 2746 | 2763 | rBV  | 580698  | 1764342 | 41.07% | 4.354% |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102624\  
Data File : BF140064.D  
Acq On : 26 Oct 2024 17:16  
Operator : RC/JU  
Sample : P4471-02  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
B-180-SB02

Integration Parameters: rteint.p  
Integrator: RTE  
Smoothing : ON Filtering: 5  
Sampling : 1 Min Area: 3 % of largest Peak  
Start Thrs: 0.2 Max Peaks: 100  
Stop Thrs : 0 Peak Location: TOP

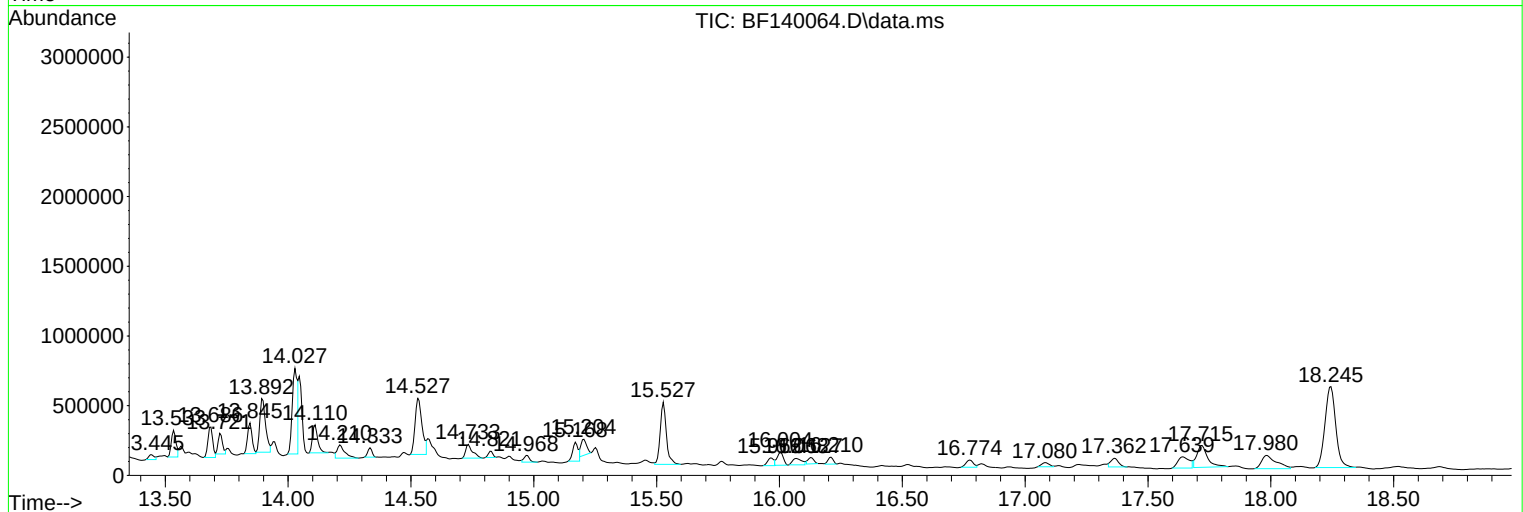
If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101824.M  
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Sum of corrected areas: 40526715

**Instrument :**  
BNA\_F  
**ClientSampleId :**  
B-180-SB02

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



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102624\  
Data File : BF140064.D  
Acq On : 26 Oct 2024 17:16  
Operator : RC/JU  
Sample : P4471-02  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
B-180-SB02

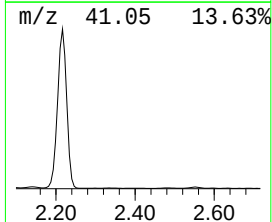
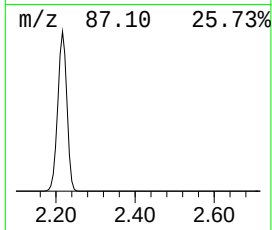
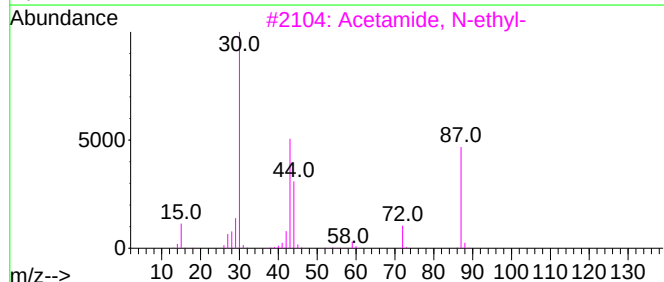
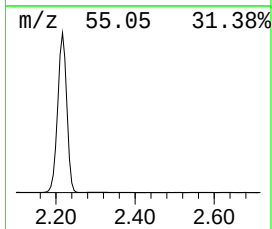
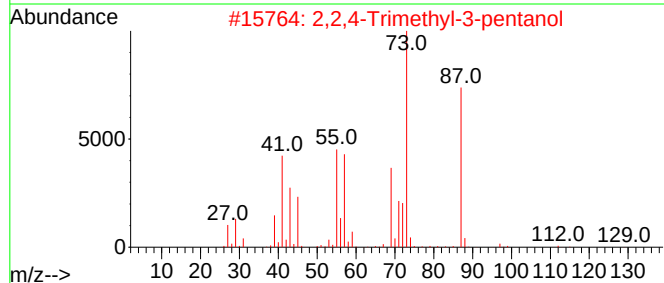
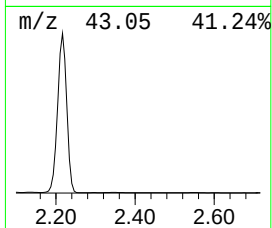
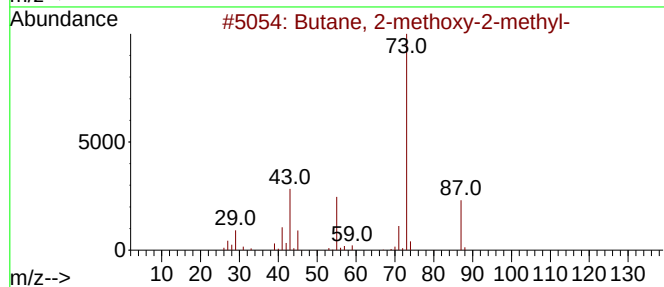
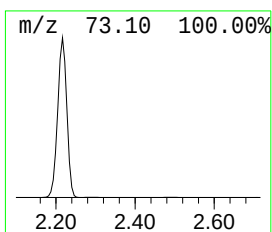
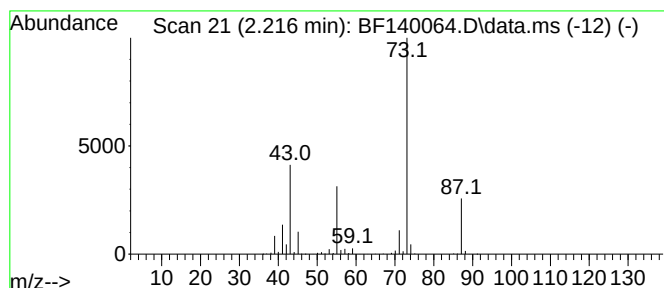
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101824.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 2

| R.T.  | EstConc  | Area    | Relative to ISTD       | R.T.  |
|-------|----------|---------|------------------------|-------|
| 2.216 | 50.03 ng | 2208510 | 1,4-Dichlorobenzene-d4 | 6.887 |

| Hit# | of | 5 | Tentative ID                     | MW  | MolForm  | CAS#        | Qual |
|------|----|---|----------------------------------|-----|----------|-------------|------|
| 1    |    |   | Butane, 2-methoxy-2-methyl-      | 102 | C6H14O   | 000994-05-8 | 83   |
| 2    |    |   | 2,2,4-Trimethyl-3-pentanol       | 130 | C8H18O   | 005162-48-1 | 39   |
| 3    |    |   | Acetamide, N-ethyl-              | 87  | C4H9NO   | 000625-50-3 | 27   |
| 4    |    |   | 1,3-Dioxolane, 2-methyl-         | 88  | C4H8O2   | 000497-26-7 | 25   |
| 5    |    |   | Octanal, 7-methoxy-3,7-dimethyl- | 186 | C11H22O2 | 003613-30-7 | 17   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102624\  
Data File : BF140064.D  
Acq On : 26 Oct 2024 17:16  
Operator : RC/JU  
Sample : P4471-02  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
B-180-SB02

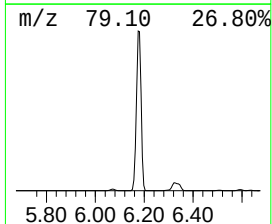
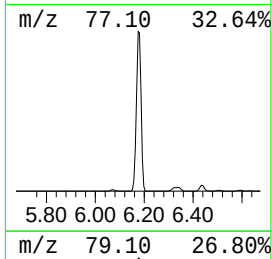
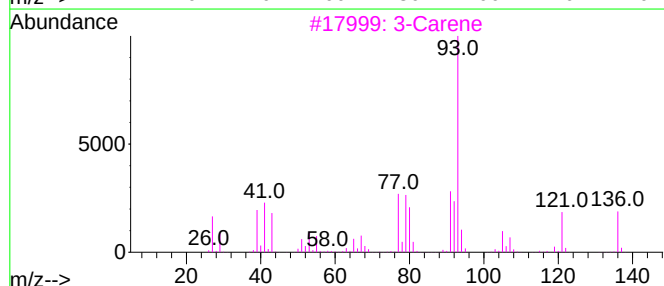
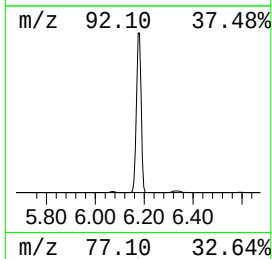
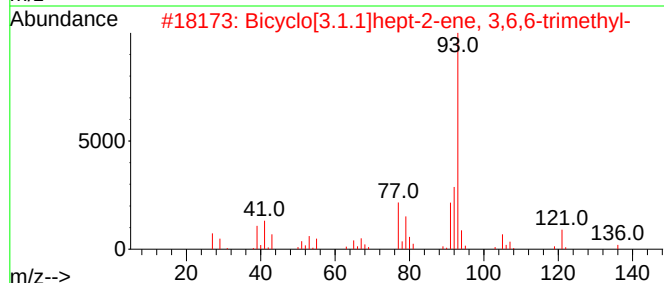
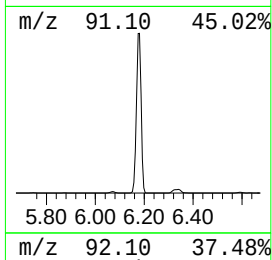
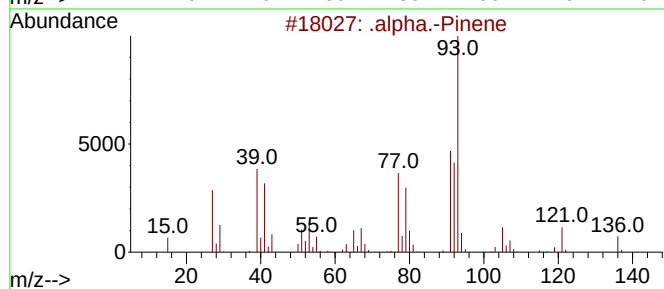
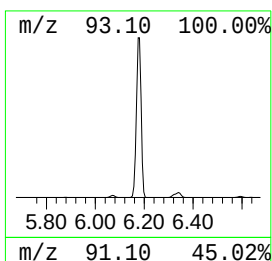
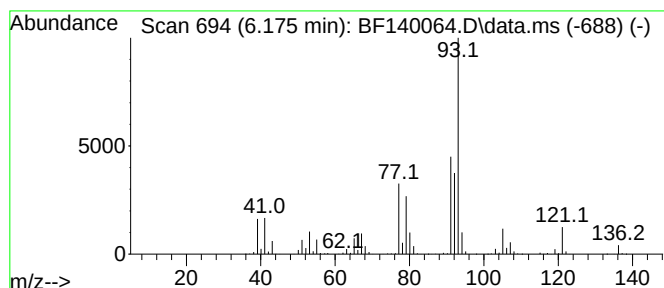
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101824.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 2 .alpha.-Pinene Concentration Rank 1

| R.T.  | EstConc  | Area    | Relative to ISTD       | R.T.  |
|-------|----------|---------|------------------------|-------|
| 6.175 | 97.33 ng | 4296460 | 1,4-Dichlorobenzene-d4 | 6.887 |

| Hit# | of 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|------|-------------------------------------|-----|---------|-------------|------|
| 1    |      | .alpha.-Pinene                      | 136 | C10H16  | 000080-56-8 | 94   |
| 2    |      | Bicyclo[3.1.1]hept-2-ene, 3,6,6-... | 136 | C10H16  | 004889-83-2 | 91   |
| 3    |      | 3-Carene                            | 136 | C10H16  | 013466-78-9 | 91   |
| 4    |      | Tricyclo[2.2.1.0(2,6)]heptane, 1... | 136 | C10H16  | 000508-32-7 | 91   |
| 5    |      | (+)-3-Carene                        | 136 | C10H16  | 000498-15-7 | 91   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102624\  
Data File : BF140064.D  
Acq On : 26 Oct 2024 17:16  
Operator : RC/JU  
Sample : P4471-02  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
B-180-SB02

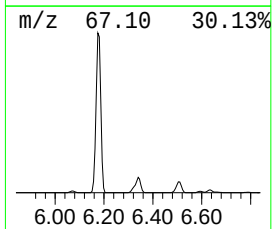
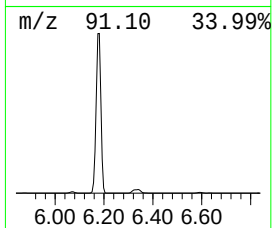
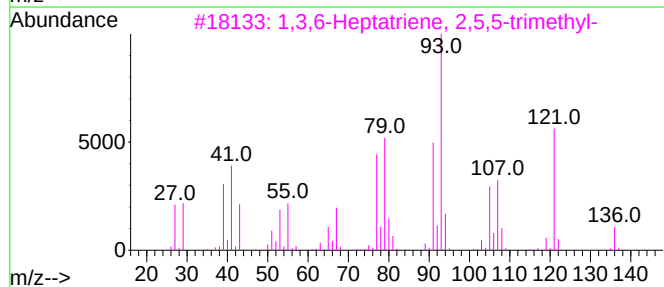
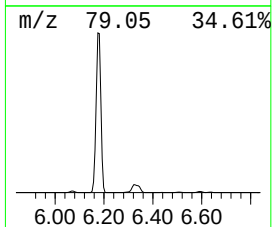
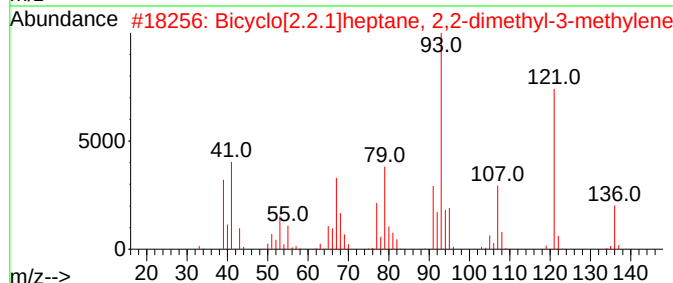
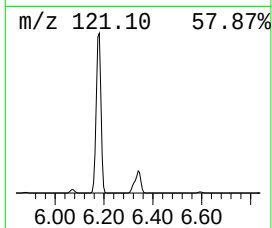
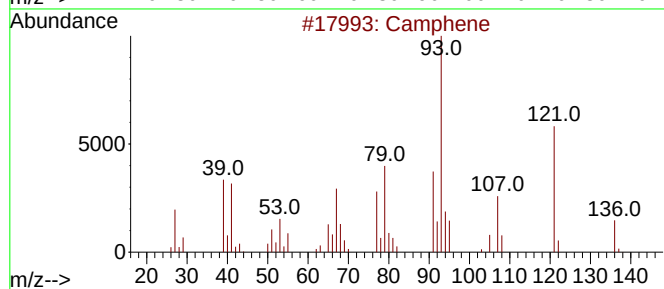
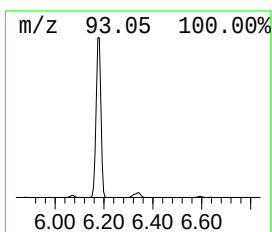
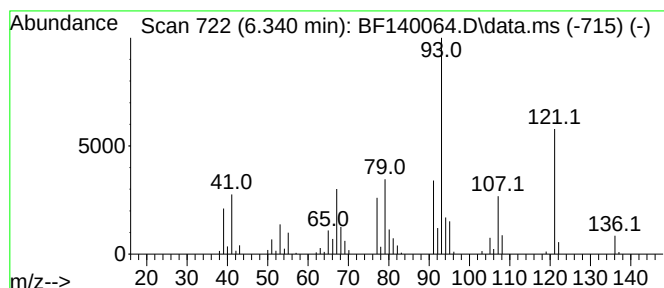
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101824.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 3 Camphene Concentration Rank 18

| R.T.  | EstConc | Area   | Relative to ISTD       | R.T.  |
|-------|---------|--------|------------------------|-------|
| 6.340 | 5.90 ng | 260291 | 1,4-Dichlorobenzene-d4 | 6.887 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Camphene                            | 136 | C10H16  | 000079-92-5 | 95   |
| 2    |    |   | Bicyclo[2.2.1]heptane, 2,2-dimet... | 136 | C10H16  | 005794-04-7 | 94   |
| 3    |    |   | 1,3,6-Heptatriene, 2,5,5-trimethyl- | 136 | C10H16  | 029548-02-5 | 90   |
| 4    |    |   | Bicyclo[3.1.1]heptane, 6,6-dimet... | 136 | C10H16  | 018172-67-3 | 80   |
| 5    |    |   | (+)-4-Carene                        | 136 | C10H16  | 029050-33-7 | 74   |





Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102624\  
Data File : BF140064.D  
Acq On : 26 Oct 2024 17:16  
Operator : RC/JU  
Sample : P4471-02  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
B-180-SB02

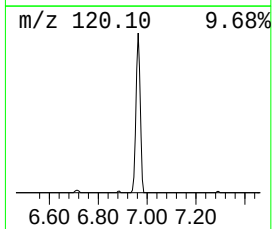
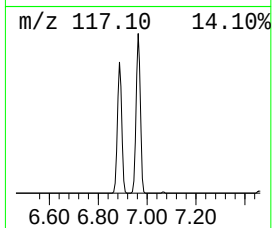
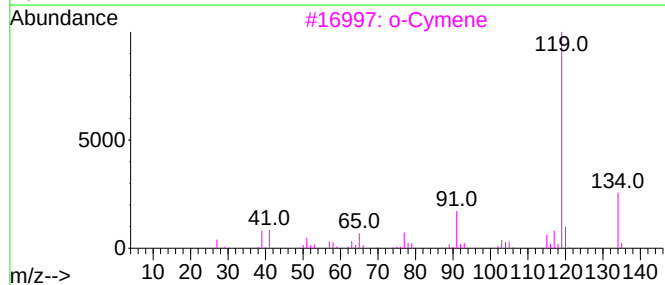
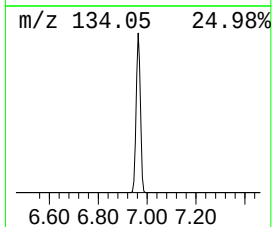
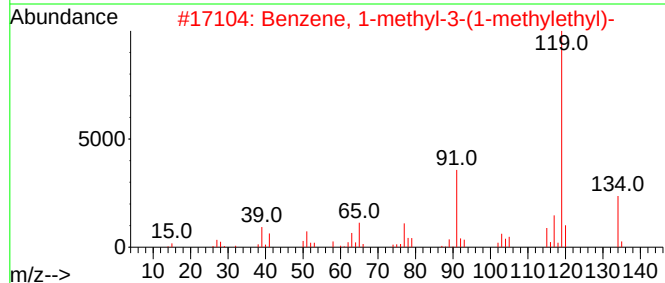
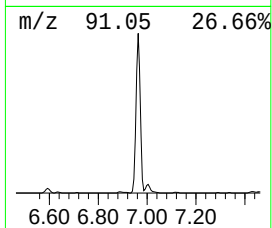
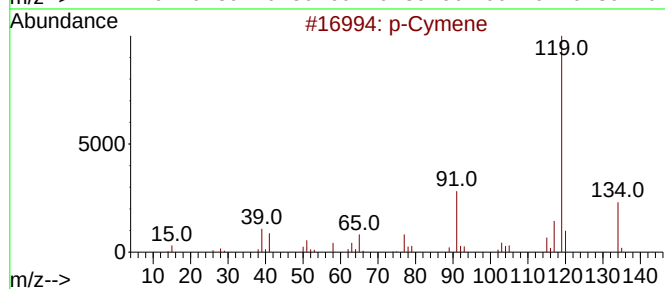
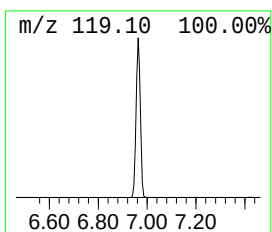
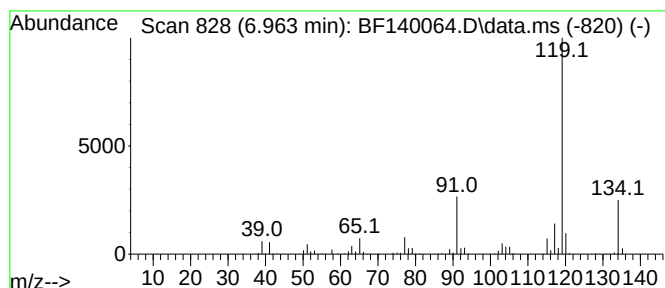
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101824.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 4 p-Cymene Concentration Rank 6

| R.T.  | EstConc  | Area   | Relative to ISTD       | R.T.  |
|-------|----------|--------|------------------------|-------|
| 6.963 | 14.93 ng | 659118 | 1,4-Dichlorobenzene-d4 | 6.887 |

| Hit# | of 5 | Tentative ID                             | MW  | MolForm | CAS#        | Qual |
|------|------|------------------------------------------|-----|---------|-------------|------|
| 1    |      | p-Cymene                                 | 134 | C10H14  | 000099-87-6 | 97   |
| 2    |      | Benzene, 1-methyl-3-(1-methylethyl)-     | 134 | C10H14  | 000535-77-3 | 95   |
| 3    |      | o-Cymene                                 | 134 | C10H14  | 000527-84-4 | 94   |
| 4    |      | 1,3,5-Cycloheptatriene, 3,7,7-trimethyl- | 134 | C10H14  | 003479-89-8 | 94   |
| 5    |      | Benzene, 1-ethyl-2,4-dimethyl-           | 134 | C10H14  | 000874-41-9 | 91   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102624\  
Data File : BF140064.D  
Acq On : 26 Oct 2024 17:16  
Operator : RC/JU  
Sample : P4471-02  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
B-180-SB02

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101824.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L

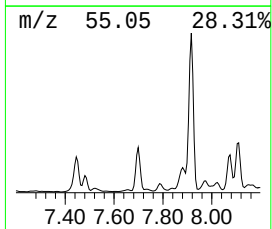
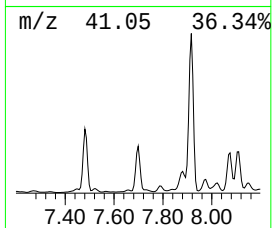
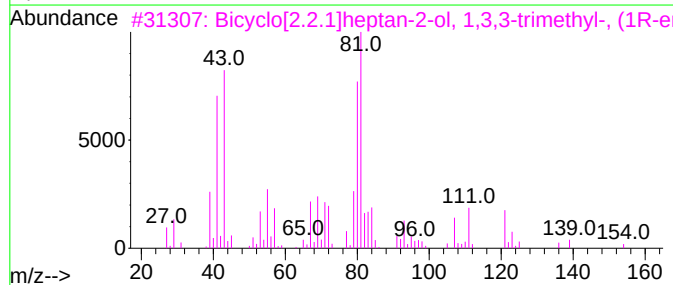
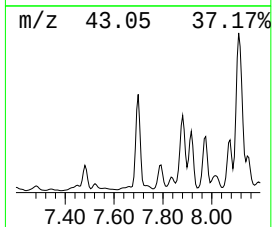
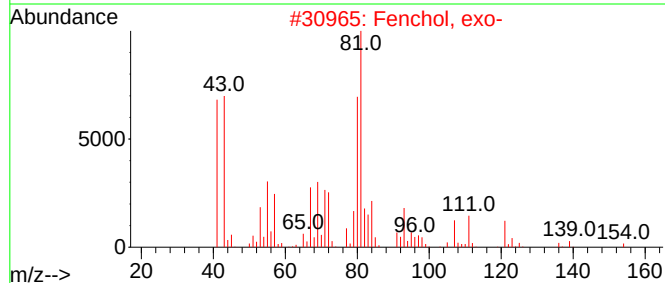
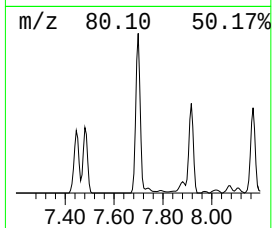
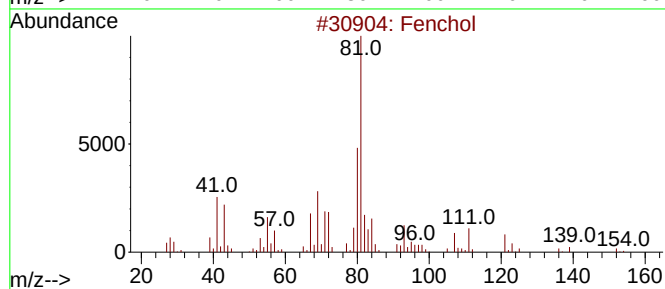
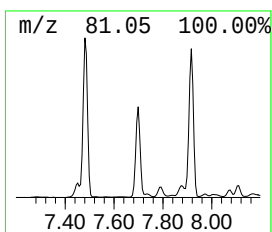
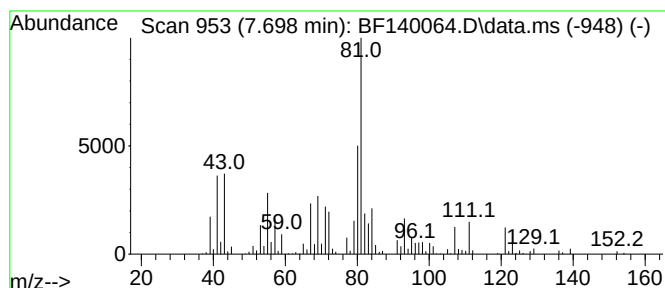
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*

Peak Number 5 Fenchol Concentration Rank 12

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 7.698 | 7.49 ng | 435586 | Naphthalene-d8   | 8.169 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|----------|-------------|------|
| 1    |    |   | Fenchol                             | 154 | C10H18O  | 001632-73-1 | 96   |
| 2    |    |   | Fenchol, exo-                       | 154 | C10H18O  | 022627-95-8 | 91   |
| 3    |    |   | Bicyclo[2.2.1]heptan-2-ol, 1,3,3... | 154 | C10H18O  | 002217-02-9 | 38   |
| 4    |    |   | Cyclohexane, 1,2-dichloro-          | 152 | C6H10Cl2 | 001121-21-7 | 38   |
| 5    |    |   | Cyclohexane, 1,2-dichloro-, trans-  | 152 | C6H10Cl2 | 000822-86-6 | 38   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102624\  
Data File : BF140064.D  
Acq On : 26 Oct 2024 17:16  
Operator : RC/JU  
Sample : P4471-02  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
B-180-SB02

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101824.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L

TIC Integration Parameters: LSCINT.P

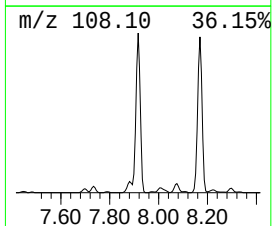
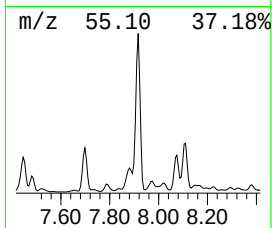
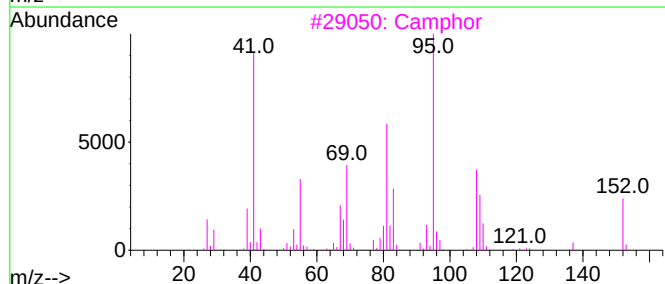
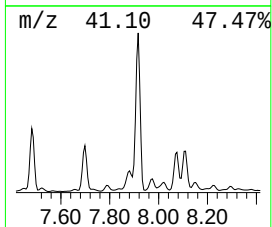
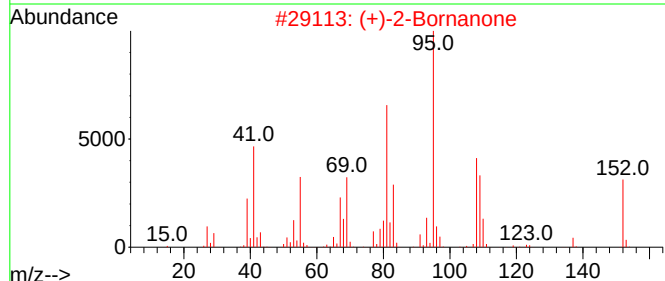
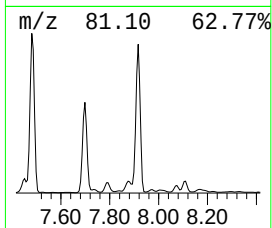
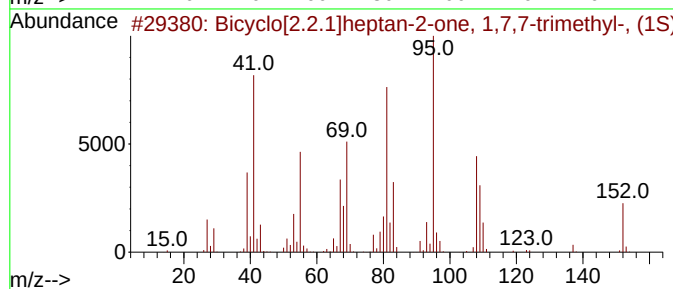
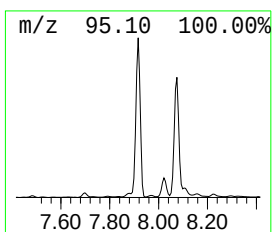
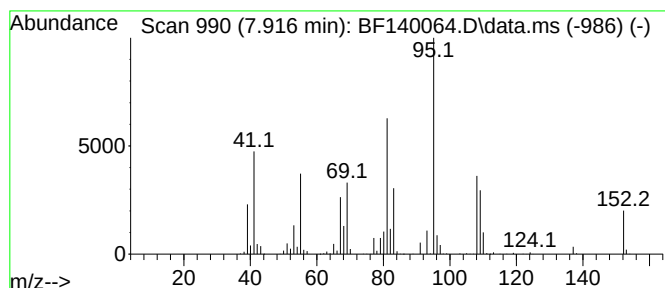
\*\*\*\*\*

Peak Number 6 Bicyclo[2.2.1]heptan-2-one,... Concentration Rank 4

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 7.916 | 18.45 ng | 1073710 | Naphthalene-d8   | 8.169 |

| Hit# | of 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|------|-------------------------------------|-----|---------|-------------|------|
| 1    |      | Bicyclo[2.2.1]heptan-2-one, 1,7,... | 152 | C10H16O | 000464-48-2 | 97   |
| 2    |      | (+)-2-Bornanone                     | 152 | C10H16O | 000464-49-3 | 97   |
| 3    |      | Camphor                             | 152 | C10H16O | 000076-22-2 | 97   |
| 4    |      | 5,7-Octadien-4-one, 2,6-dimethyl... | 152 | C10H16O | 006752-80-3 | 58   |
| 5    |      | 1-Adamantanol                       | 152 | C10H16O | 000768-95-6 | 43   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102624\  
Data File : BF140064.D  
Acq On : 26 Oct 2024 17:16  
Operator : RC/JU  
Sample : P4471-02  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
B-180-SB02

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101824.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

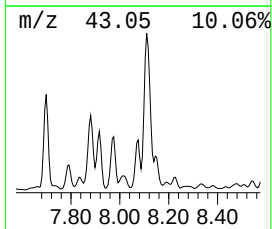
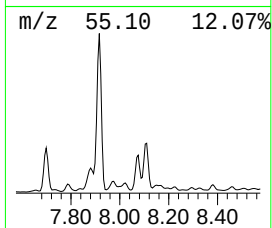
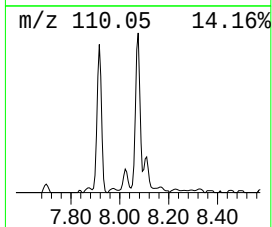
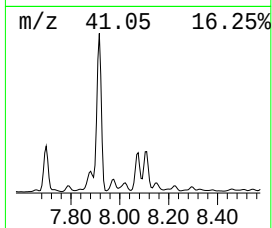
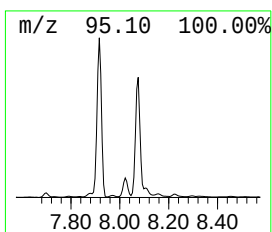
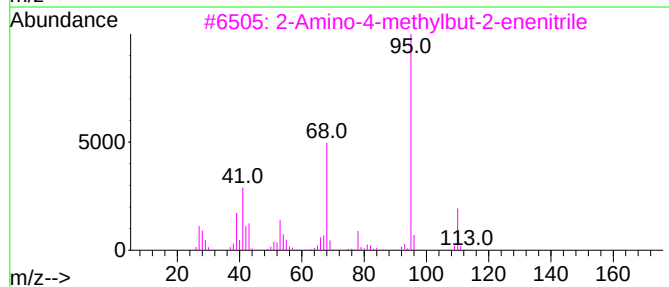
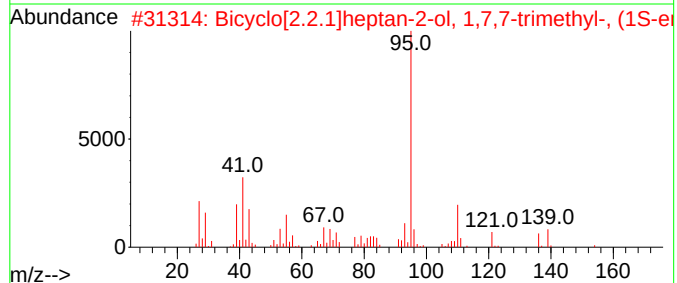
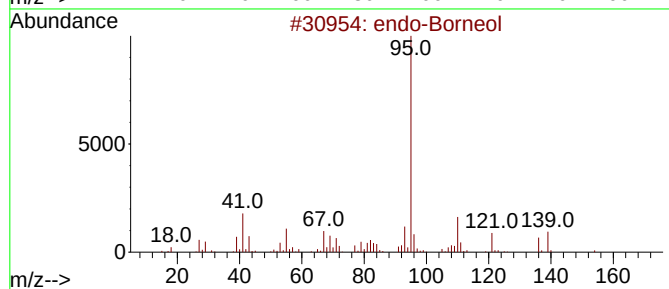
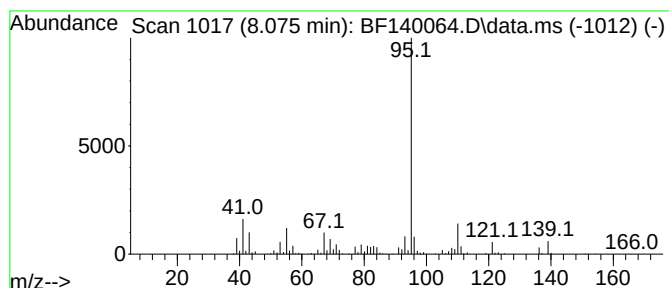
\*\*\*\*\*

Peak Number 7 endo-Borneol Concentration Rank 14

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 8.075 | 6.99 ng | 406599 | Naphthalene-d8   | 8.169 |

| Hit# | of 5 | Tentative ID                        | MW  | MolForm | CAS#         | Qual |
|------|------|-------------------------------------|-----|---------|--------------|------|
| 1    |      | endo-Borneol                        | 154 | C10H18O | 000507-70-0  | 91   |
| 2    |      | Bicyclo[2.2.1]heptan-2-ol, 1,7,7... | 154 | C10H18O | 000464-45-9  | 83   |
| 3    |      | 2-Amino-4-methylbut-2-enenitrile    | 110 | C6H10N2 | 1000197-39-9 | 72   |
| 4    |      | Bicyclo[2.2.1]heptane, 2-(1,1-di... | 164 | C12H20  | 069219-08-5  | 64   |
| 5    |      | Furan, 2-ethyl-5-methyl-            | 110 | C7H10O  | 001703-52-2  | 64   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102624\  
Data File : BF140064.D  
Acq On : 26 Oct 2024 17:16  
Operator : RC/JU  
Sample : P4471-02  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
B-180-SB02

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101824.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

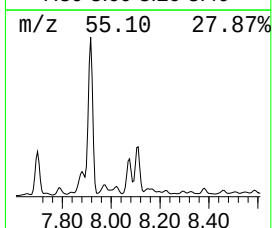
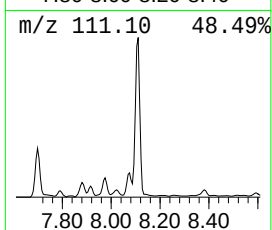
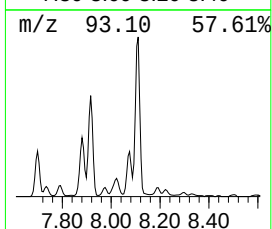
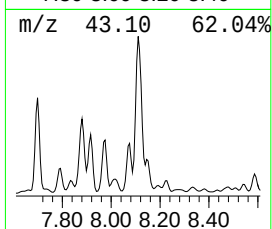
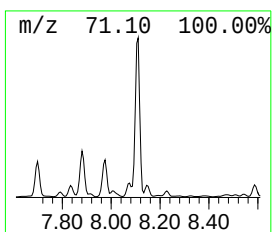
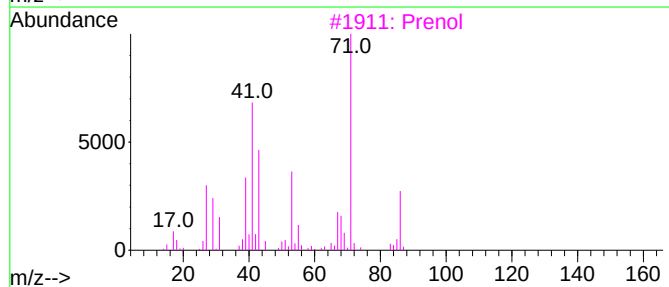
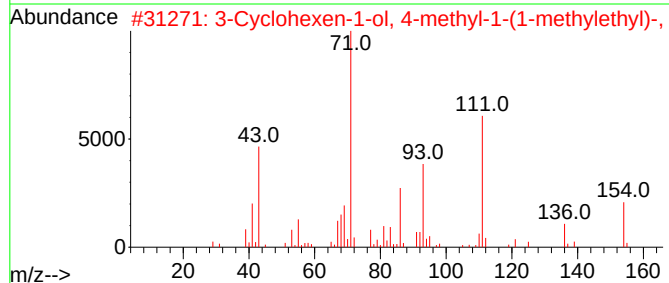
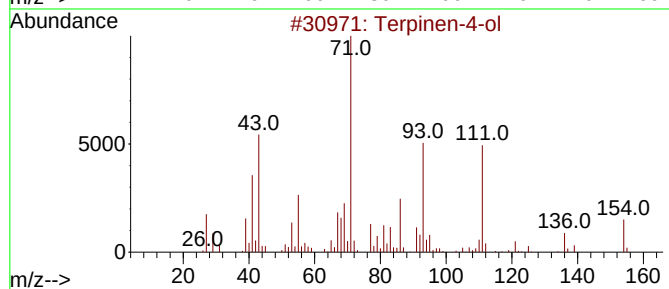
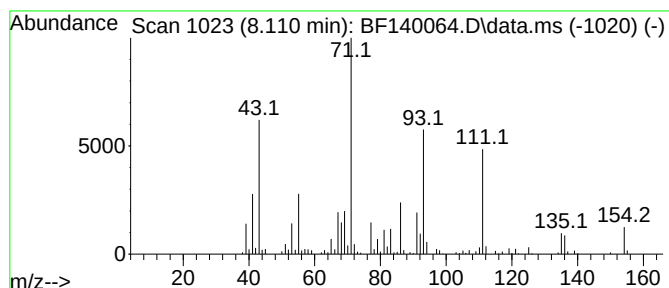
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 8 Terpinen-4-ol Concentration Rank 11

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 8.110 | 8.12 ng | 472284 | Naphthalene-d8   | 8.169 |

| Hit# | of 5 | Tentative ID                                   | MW  | MolForm  | CAS#         | Qual |
|------|------|------------------------------------------------|-----|----------|--------------|------|
| 1    |      | Terpinen-4-ol                                  | 154 | C10H18O  | 000562-74-3  | 91   |
| 2    |      | 3-Cyclohexen-1-ol, 4-methyl-1-(1-methylethyl)- | 154 | C10H18O  | 020126-76-5  | 81   |
| 3    |      | Prenol                                         | 86  | C5H10O   | 000556-82-1  | 43   |
| 4    |      | Bicyclo[3.1.1]heptan-endo-6-ol, ...            | 190 | C7H11BrO | 1000142-77-8 | 35   |
| 5    |      | 2-Butene, 1-methoxy-, (E)-                     | 86  | C5H10O   | 010034-14-7  | 30   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102624\  
Data File : BF140064.D  
Acq On : 26 Oct 2024 17:16  
Operator : RC/JU  
Sample : P4471-02  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
B-180-SB02

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101824.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

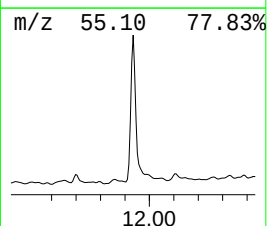
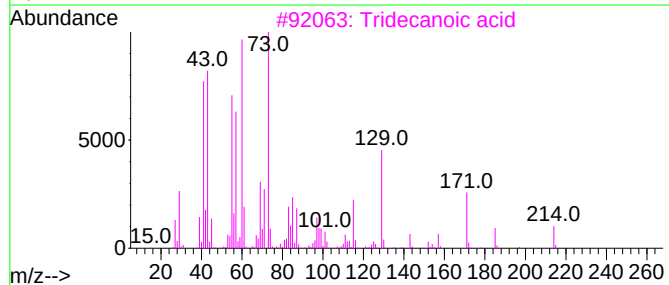
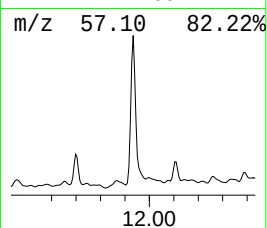
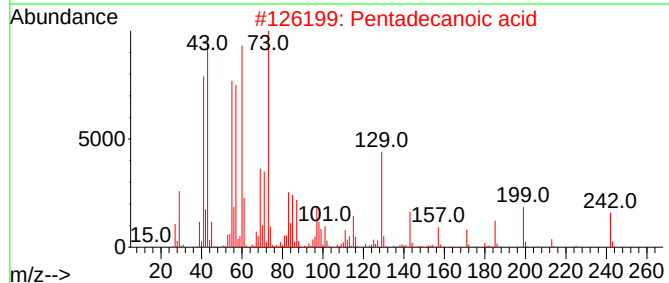
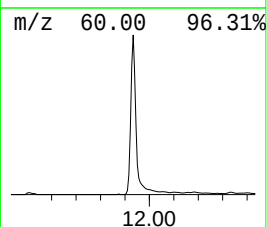
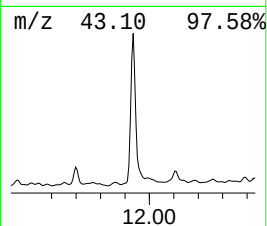
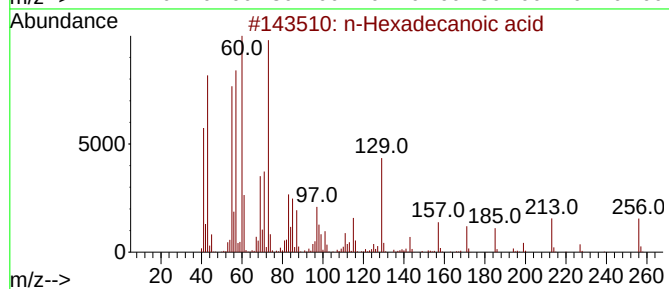
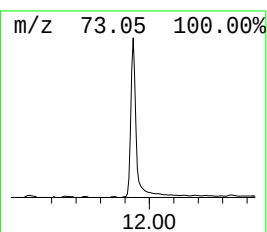
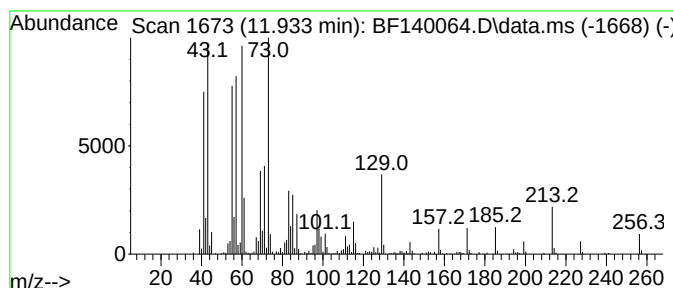
TIC Library : C:\Database\NIST20.L

TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 9 n-Hexadecanoic acid Concentration Rank 9

| R.T.   | EstConc  | Area   | Relative to ISTD | R.T.   |
|--------|----------|--------|------------------|--------|
| 11.933 | 10.49 ng | 599654 | Phenanthrene-d10 | 11.410 |

| Hit# | of | 5 | Tentative ID        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|---------------------|-----|----------|-------------|------|
| 1    |    |   | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 99   |
| 2    |    |   | Pentadecanoic acid  | 242 | C15H30O2 | 001002-84-2 | 91   |
| 3    |    |   | Tridecanoic acid    | 214 | C13H26O2 | 000638-53-9 | 89   |
| 4    |    |   | Tetradecanoic acid  | 228 | C14H28O2 | 000544-63-8 | 83   |
| 5    |    |   | Undecanoic acid     | 186 | C11H22O2 | 000112-37-8 | 76   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102624\  
Data File : BF140064.D  
Acq On : 26 Oct 2024 17:16  
Operator : RC/JU  
Sample : P4471-02  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
B-180-SB02

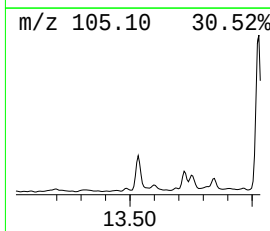
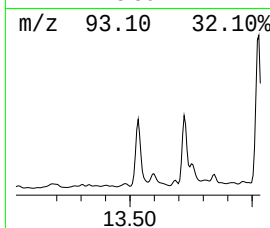
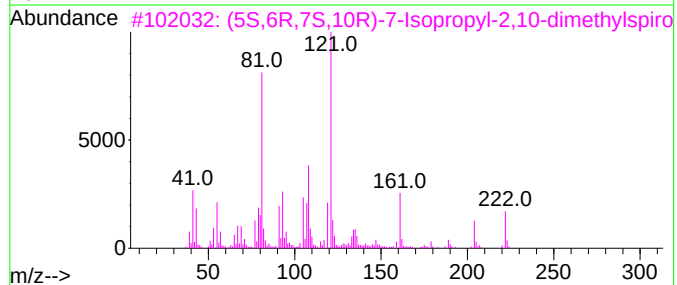
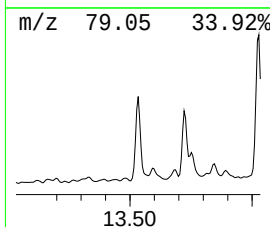
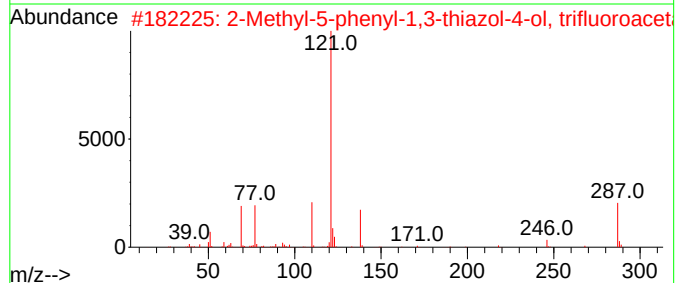
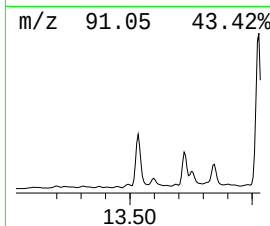
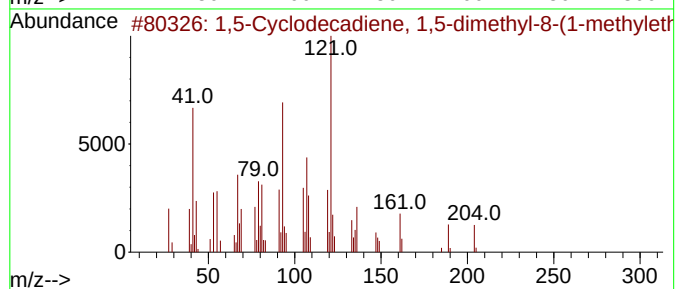
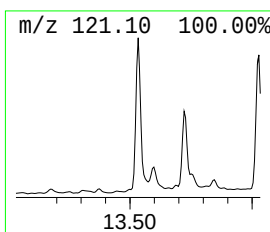
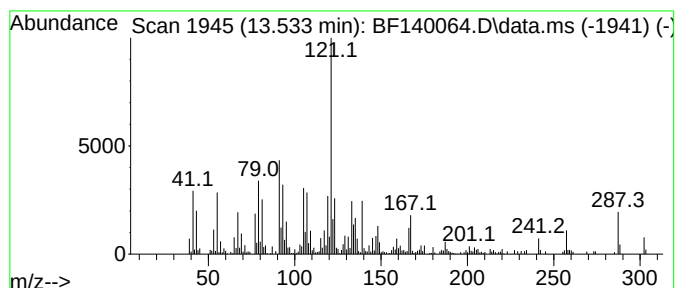
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101824.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 10 unknown13.533 Concentration Rank 20

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 13.533 | 5.44 ng | 259209 | Chrysene-d12     | 14.045 |

| Hit# | of 5                                | Tentative ID | MW          | MolForm      | CAS# | Qual |
|------|-------------------------------------|--------------|-------------|--------------|------|------|
| 1    | 1,5-Cyclodecadiene, 1,5-dimethyl... | 204          | C15H24      | 015423-57-1  | 47   |      |
| 2    | 2-Methyl-5-phenyl-1,3-thiazol-4-... | 287          | C12H8F3N02S | 1000471-95-1 | 43   |      |
| 3    | (5S,6R,7S,10R)-7-Isopropyl-2,10-... | 222          | C15H26O     | 072203-99-7  | 43   |      |
| 4    | .delta.8(14)-Isopimaric acid        | 302          | C20H30O2    | 000471-74-9  | 42   |      |
| 5    | 1,4-Cyclohexadiene, 3,3,6,6-tetr... | 136          | C10H16      | 002223-54-3  | 30   |      |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102624\  
Data File : BF140064.D  
Acq On : 26 Oct 2024 17:16  
Operator : RC/JU  
Sample : P4471-02  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
B-180-SB02

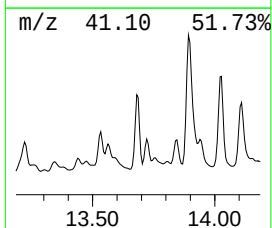
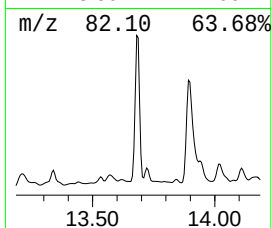
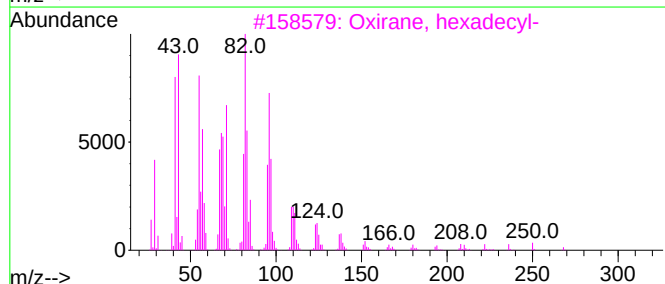
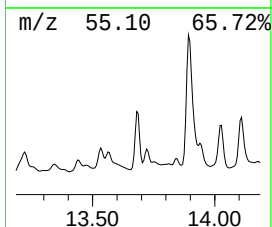
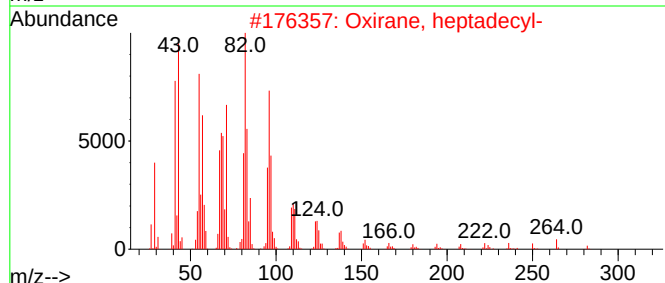
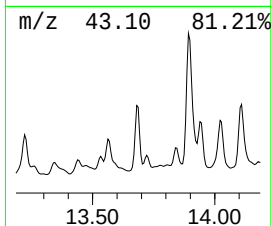
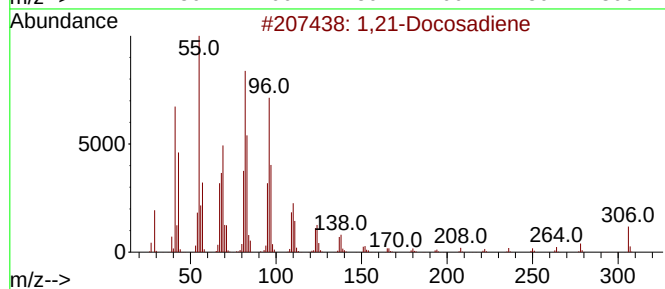
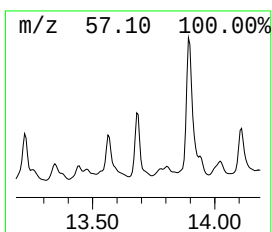
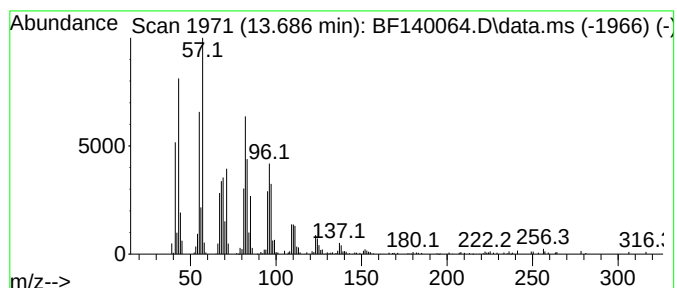
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101824.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 11 1,21-Docosadiene Concentration Rank 16

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 13.686 | 6.17 ng | 294193 | Chrysene-d12     | 14.045 |

| Hit# | of 5 | Tentative ID         | MW  | MolForm | CAS#        | Qual |
|------|------|----------------------|-----|---------|-------------|------|
| 1    |      | 1,21-Docosadiene     | 306 | C22H42  | 053057-53-7 | 96   |
| 2    |      | Oxirane, heptadecyl- | 282 | C19H38O | 067860-04-2 | 91   |
| 3    |      | Oxirane, hexadecyl-  | 268 | C18H36O | 007390-81-0 | 91   |
| 4    |      | Octadecanal          | 268 | C18H36O | 000638-66-4 | 91   |
| 5    |      | Pentadecanal         | 226 | C15H30O | 002765-11-9 | 87   |





Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102624\  
Data File : BF140064.D  
Acq On : 26 Oct 2024 17:16  
Operator : RC/JU  
Sample : P4471-02  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
B-180-SB02

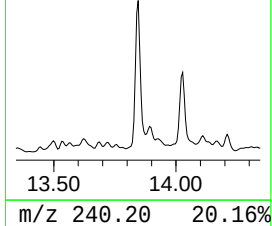
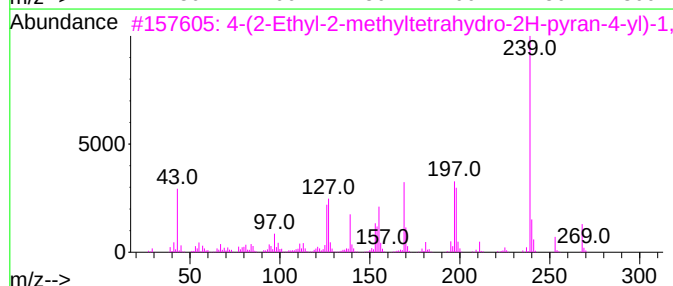
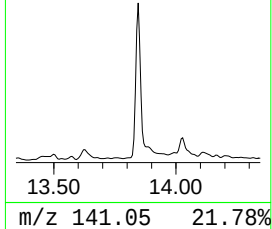
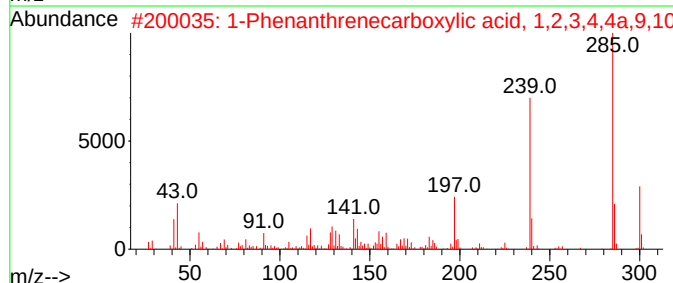
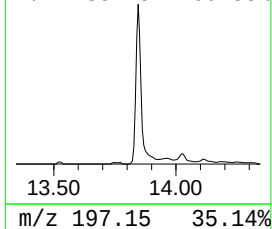
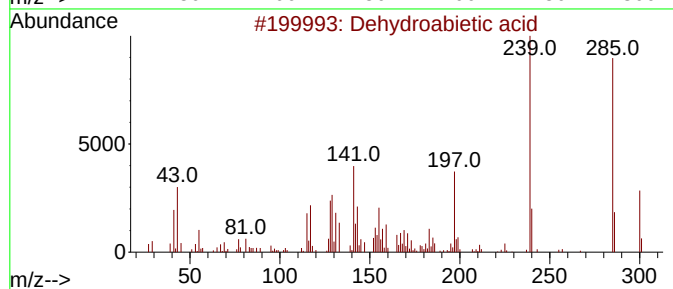
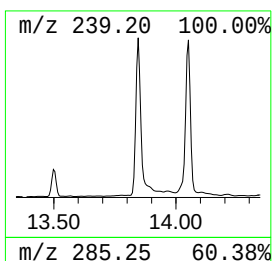
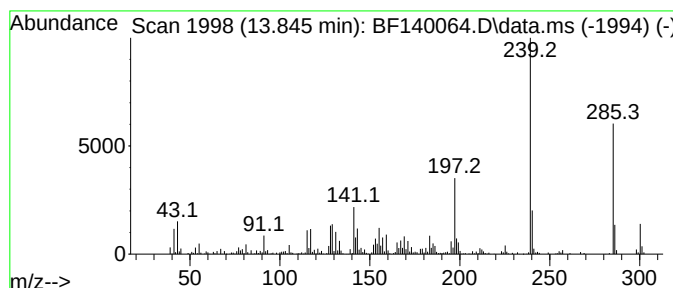
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101824.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 12 Dehydroabiatic acid Concentration Rank 17

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 13.845 | 5.93 ng | 282541 | Chrysene-d12     | 14.045 |

| Hit# | of 5 | Tentative ID                        | MW  | MolForm     | CAS#         | Qual |
|------|------|-------------------------------------|-----|-------------|--------------|------|
| 1    |      | Dehydroabiatic acid                 | 300 | C20H28O2    | 001740-19-8  | 99   |
| 2    |      | 1-Phenanthrenecarboxylic acid, 1... | 300 | C20H28O2    | 005155-70-4  | 94   |
| 3    |      | 4-(2-Ethyl-2-methyltetrahydro-2H... | 268 | C13H20N2O2S | 1000479-90-5 | 43   |
| 4    |      | 2-Ethylidene-hydrazono-3-methyl...  | 239 | C10H10C1N3S | 1000148-08-4 | 43   |
| 5    |      | Imidazolo[2,1-b]thiazole, 5-(3-i... | 239 | C13H9N3S    | 327097-37-0  | 43   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102624\  
Data File : BF140064.D  
Acq On : 26 Oct 2024 17:16  
Operator : RC/JU  
Sample : P4471-02  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
B-180-SB02

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101824.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

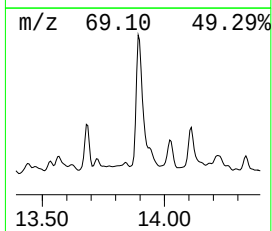
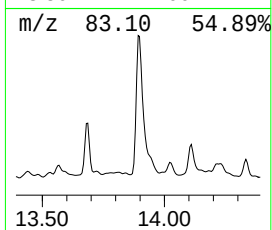
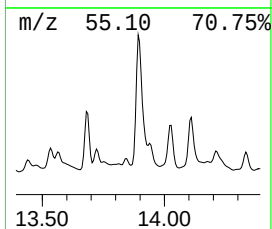
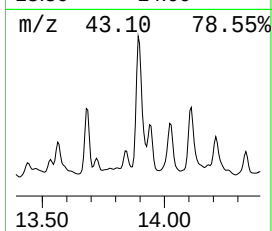
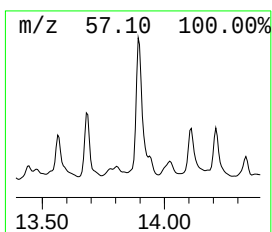
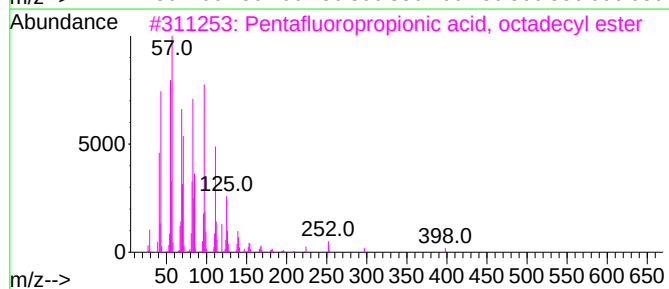
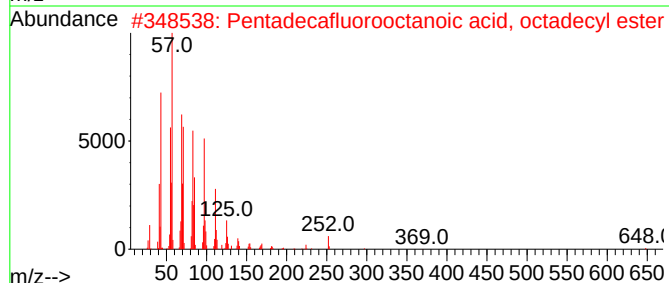
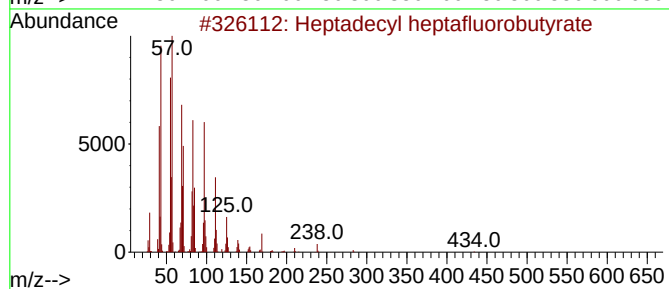
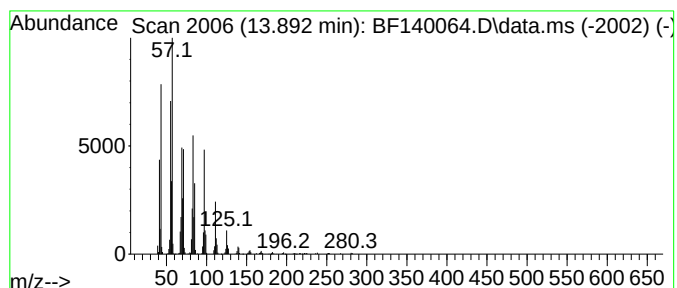
\*\*\*\*\*

Peak Number 13 Heptadecyl heptafluorobutyrate Concentration Rank 7

| R.T.   | EstConc  | Area   | Relative to ISTD | R.T.   |
|--------|----------|--------|------------------|--------|
| 13.892 | 13.45 ng | 641279 | Chrysene-d12     | 14.045 |

| Hit# | of 5 | Tentative ID                        | MW  | MolForm     | CAS#         | Qual |
|------|------|-------------------------------------|-----|-------------|--------------|------|
| 1    |      | Heptadecyl heptafluorobutyrate      | 452 | C21H35F7O2  | 959085-66-6  | 94   |
| 2    |      | Pentadecafluorooctanoic acid, oc... | 666 | C26H37F15O2 | 1000406-04-8 | 94   |
| 3    |      | Pentafluoropropionic acid, octad... | 416 | C21H37F5O2  | 959261-25-7  | 91   |
| 4    |      | Octadecyl trifluoroacetate          | 366 | C20H37F3O2  | 079392-43-1  | 91   |
| 5    |      | Heptafluorobutyric acid, n-octad... | 466 | C22H37F7O2  | 000400-57-7  | 91   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102624\  
Data File : BF140064.D  
Acq On : 26 Oct 2024 17:16  
Operator : RC/JU  
Sample : P4471-02  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
B-180-SB02

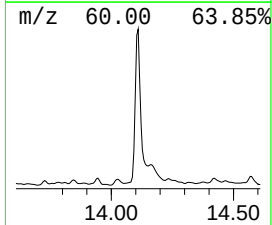
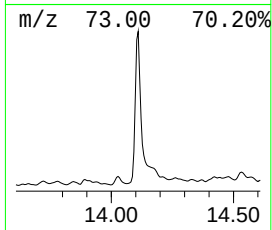
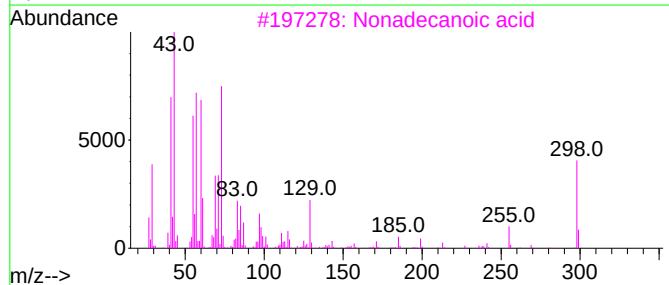
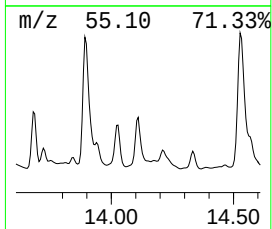
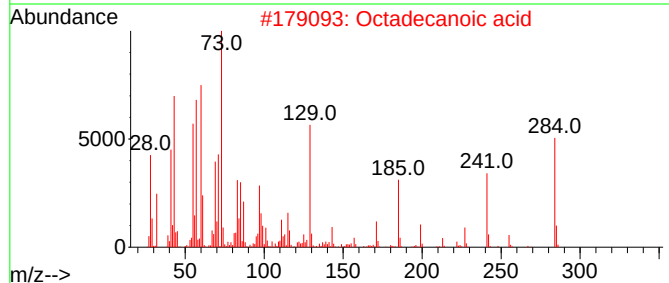
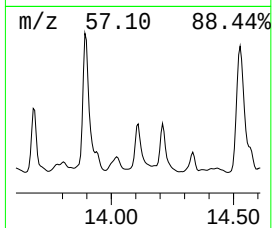
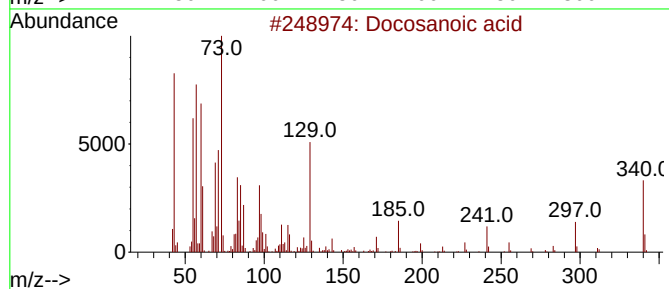
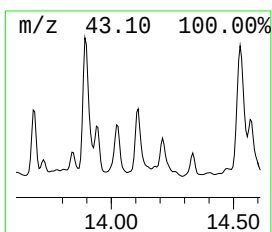
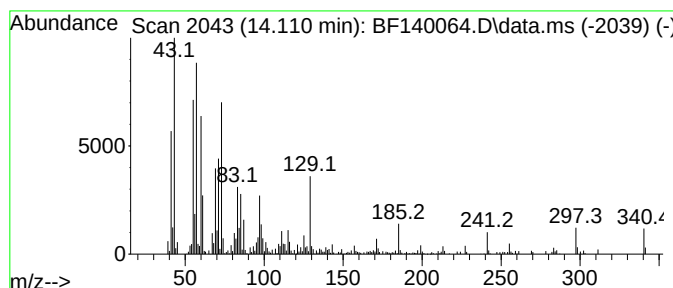
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101824.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*

Peak Number 14 Docosanoic acid Concentration Rank 15

| R.T.      | EstConc            | Area   | Relative to ISTD | R.T.        |      |
|-----------|--------------------|--------|------------------|-------------|------|
| 14.110    | 6.24 ng            | 297625 | Chrysene-d12     | 14.045      |      |
| Hit# of 5 | Tentative ID       | MW     | MolForm          | CAS#        | Qual |
| 1         | Docosanoic acid    | 340    | C22H44O2         | 000112-85-6 | 99   |
| 2         | Octadecanoic acid  | 284    | C18H36O2         | 000057-11-4 | 96   |
| 3         | Nonadecanoic acid  | 298    | C19H38O2         | 000646-30-0 | 95   |
| 4         | Tetradecanoic acid | 228    | C14H28O2         | 000544-63-8 | 60   |
| 5         | Tridecanoic acid   | 214    | C13H26O2         | 000638-53-9 | 45   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102624\  
Data File : BF140064.D  
Acq On : 26 Oct 2024 17:16  
Operator : RC/JU  
Sample : P4471-02  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
B-180-SB02

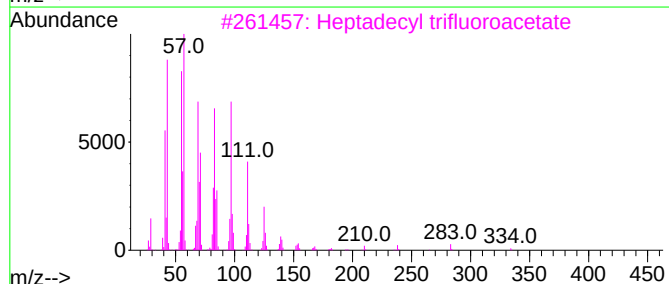
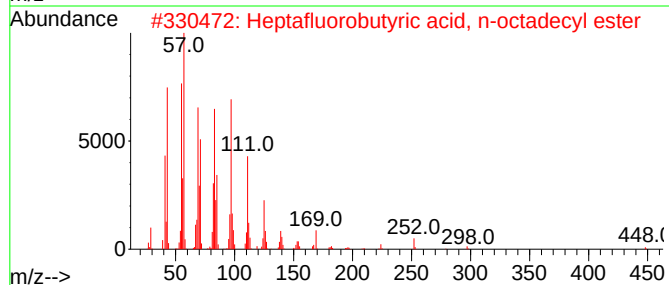
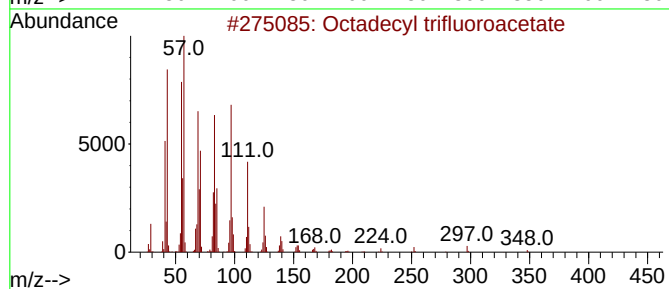
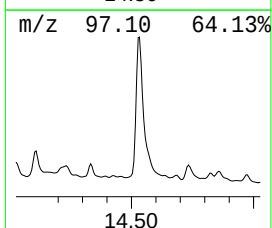
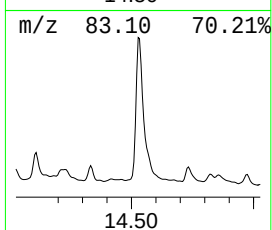
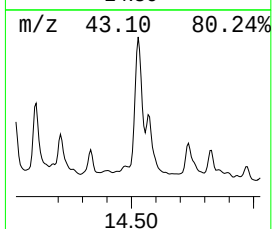
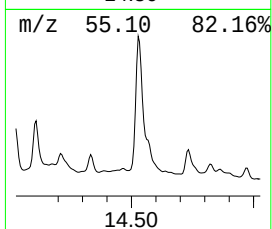
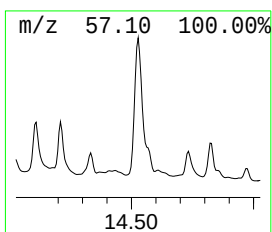
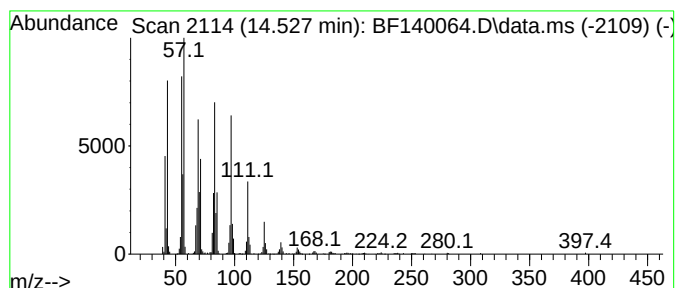
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101824.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 15 Octadecyl trifluoroacetate Concentration Rank 5

| R.T.   | EstConc  | Area   | Relative to ISTD | R.T.   |
|--------|----------|--------|------------------|--------|
| 14.527 | 16.93 ng | 807285 | Chrysene-d12     | 14.045 |

| Hit# | of | 5 | Tentative ID                                      | MW  | MolForm    | CAS#         | Qual |
|------|----|---|---------------------------------------------------|-----|------------|--------------|------|
| 1    |    |   | Octadecyl trifluoroacetate                        | 366 | C20H37F3O2 | 079392-43-1  | 94   |
| 2    |    |   | Heptafluorobutyric acid, n-octadecyl ester        | 466 | C22H37F7O2 | 000400-57-7  | 94   |
| 3    |    |   | Heptadecyl trifluoroacetate                       | 352 | C19H35F3O2 | 1010351-87-0 | 94   |
| 4    |    |   | Heptadecyl heptafluorobutyrate                    | 452 | C21H35F7O2 | 959085-66-6  | 94   |
| 5    |    |   | Pentafluoropropionic acid, heptafluorobutyl ester | 402 | C20H35F5O2 | 959218-78-1  | 94   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102624\  
Data File : BF140064.D  
Acq On : 26 Oct 2024 17:16  
Operator : RC/JU  
Sample : P4471-02  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
B-180-SB02

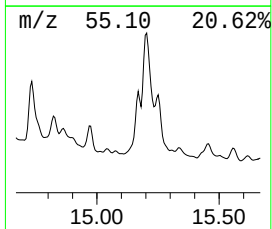
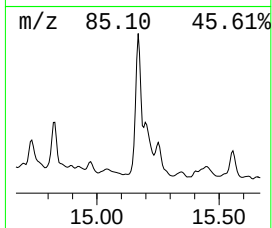
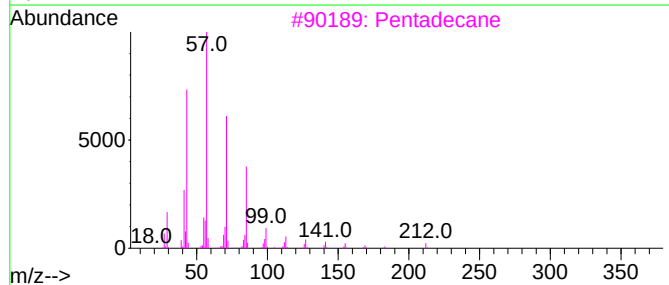
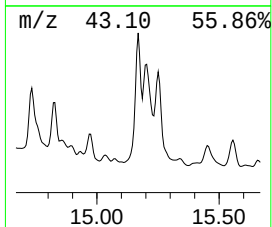
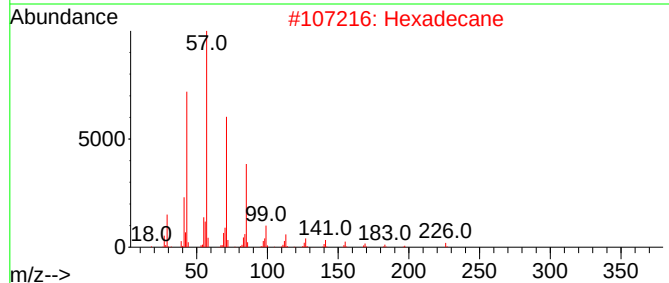
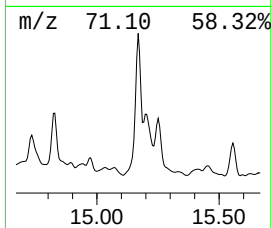
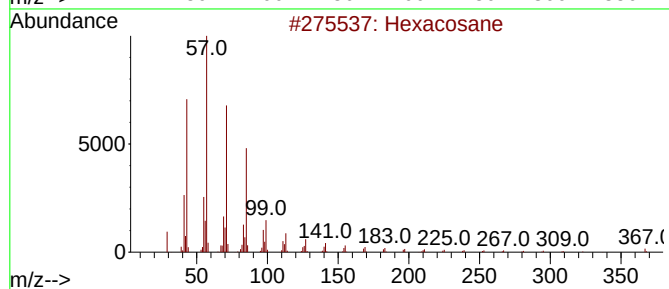
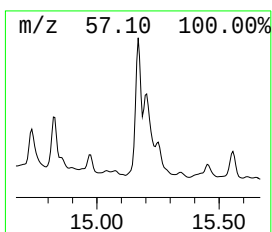
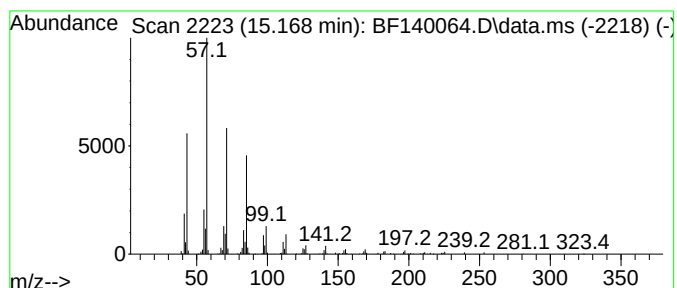
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101824.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*

Peak Number 16 Hexacosane Concentration Rank 19

| R.T.      | EstConc         | Area   | Relative to ISTD | R.T.        |      |
|-----------|-----------------|--------|------------------|-------------|------|
| 15.168    | 5.86 ng         | 223350 | Perylene-d12     | 15.527      |      |
| Hit# of 5 | Tentative ID    | MW     | MolForm          | CAS#        | Qual |
| 1         | Hexacosane      | 366    | C26H54           | 000630-01-3 | 94   |
| 2         | Hexadecane      | 226    | C16H34           | 000544-76-3 | 91   |
| 3         | Pentadecane     | 212    | C15H32           | 000629-62-9 | 90   |
| 4         | Eicosane        | 282    | C20H42           | 000112-95-8 | 87   |
| 5         | Hexatriacontane | 507    | C36H74           | 000630-06-8 | 83   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102624\  
Data File : BF140064.D  
Acq On : 26 Oct 2024 17:16  
Operator : RC/JU  
Sample : P4471-02  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
B-180-SB02

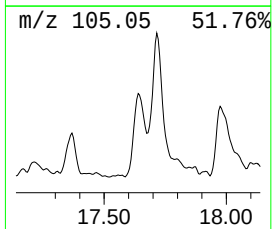
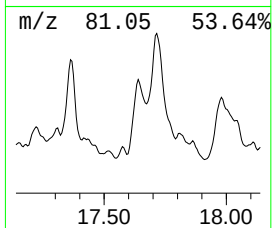
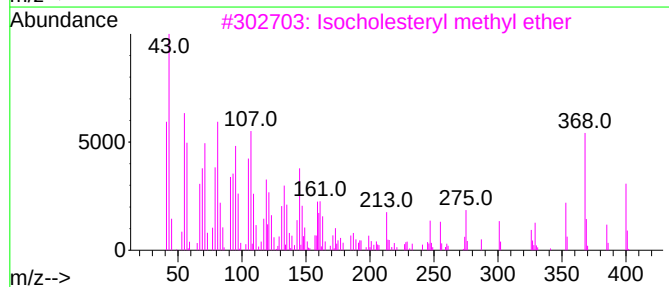
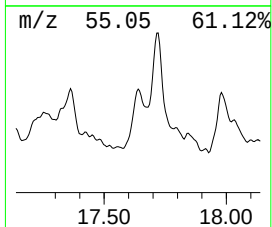
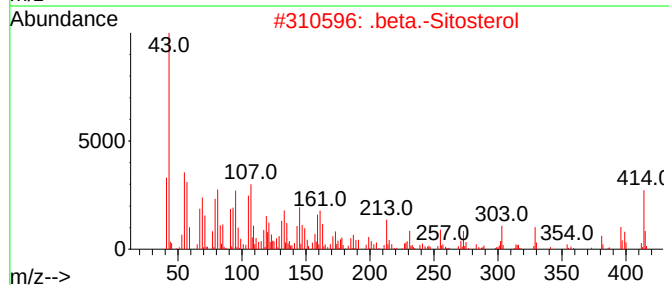
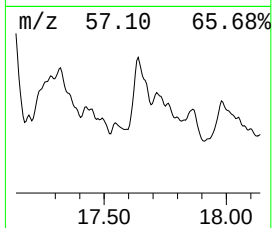
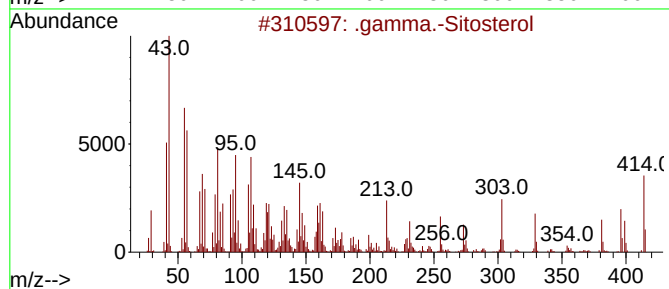
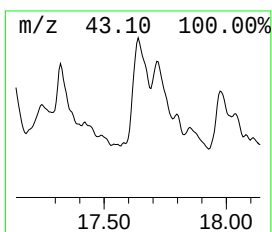
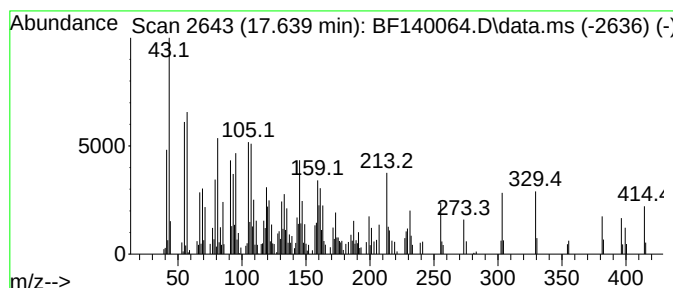
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101824.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 17 .gamma.-Sitosterol Concentration Rank 13

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 17.639 | 7.07 ng | 269605 | Perylene-d12     | 15.527 |

| Hit# | of 5 | Tentative ID                 | MW  | MolForm | CAS#        | Qual |
|------|------|------------------------------|-----|---------|-------------|------|
| 1    |      | .gamma.-Sitosterol           | 414 | C29H50O | 000083-47-6 | 99   |
| 2    |      | .beta.-Sitosterol            | 414 | C29H50O | 000083-46-5 | 97   |
| 3    |      | Isocholesteryl methyl ether  | 400 | C28H48O | 029944-53-4 | 53   |
| 4    |      | Campesterol                  | 400 | C28H48O | 000474-62-4 | 49   |
| 5    |      | Ergost-5-en-3-ol, (3.beta.)- | 400 | C28H48O | 004651-51-8 | 49   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102624\  
Data File : BF140064.D  
Acq On : 26 Oct 2024 17:16  
Operator : RC/JU  
Sample : P4471-02  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
B-180-SB02

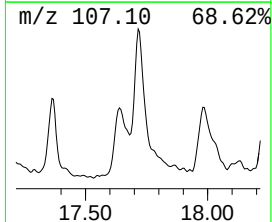
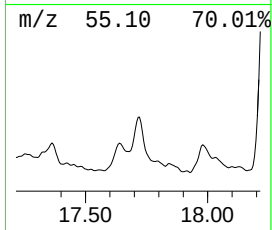
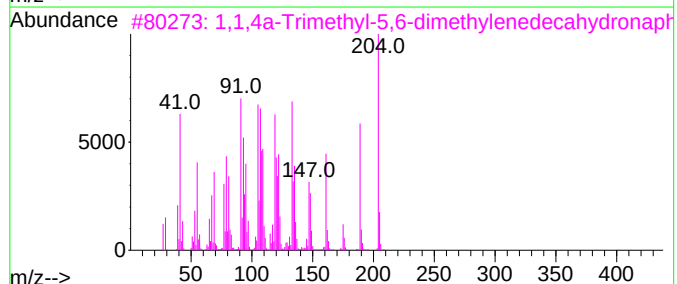
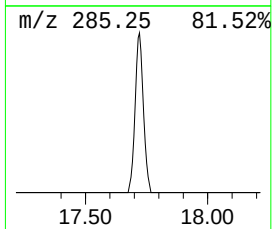
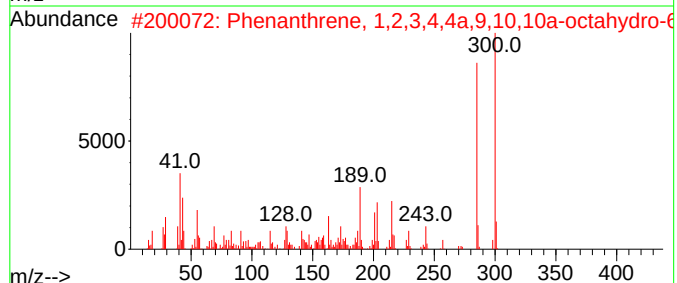
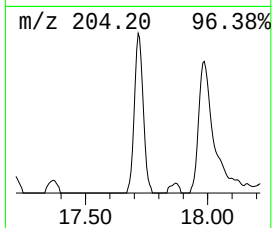
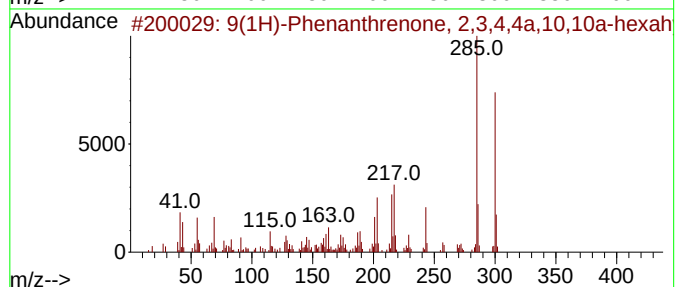
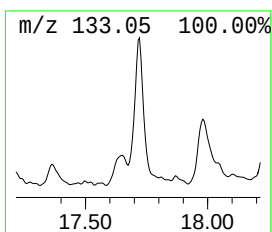
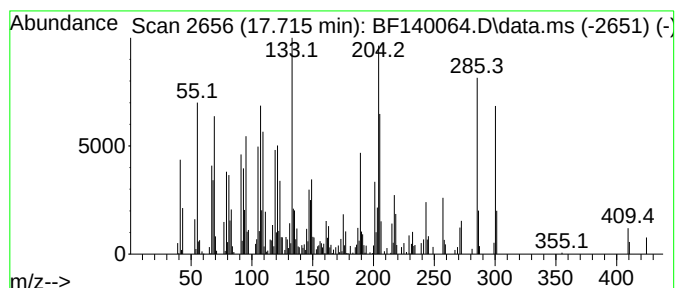
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101824.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 18 9(1H)-Phenanthrenone, 2,3,4... Concentration Rank 8

| R.T.   | EstConc  | Area   | Relative to ISTD | R.T.   |
|--------|----------|--------|------------------|--------|
| 17.715 | 12.25 ng | 466793 | Perylene-d12     | 15.527 |

| Hit# | of                                  | 5   | Tentative ID | MW           | MolForm | CAS# | Qual |
|------|-------------------------------------|-----|--------------|--------------|---------|------|------|
| 1    | 9(1H)-Phenanthrenone, 2,3,4,4a,1... | 300 | C20H28O2     | 000511-05-7  | 50      |      |      |
| 2    | Phenanthrene, 1,2,3,4,4a,9,10,10... | 300 | C21H32O      | 010064-26-3  | 35      |      |      |
| 3    | 1,1,4a-Trimethyl-5,6-dimethylene... | 204 | C15H24       | 1000193-60-8 | 35      |      |      |
| 4    | 2-(4-Fluorophenyl)-1,3-benzoxazo... | 300 | C16H17FN2OSi | 1000479-98-9 | 30      |      |      |
| 5    | .beta.-Humulene                     | 204 | C15H24       | 000116-04-1  | 27      |      |      |



```
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102624\
Data File : BF140064.D
Acq On    : 26 Oct 2024 17:16
Operator  : RC/JU
Sample    : P4471-02
Misc      :
ALS Vial  : 16    Sample Multiplier: 1
```

**Instrument :**  
BNA\_F  
**ClientSampleId :**  
B-180-SB02

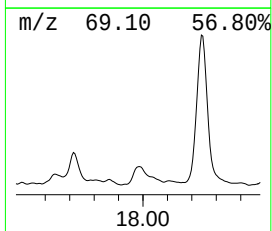
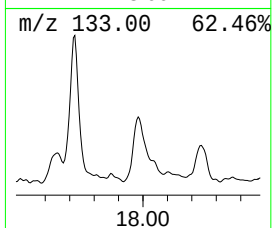
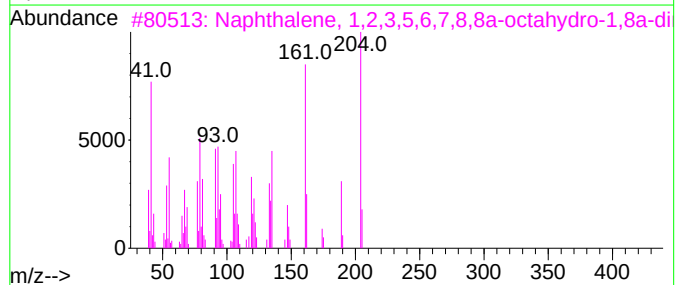
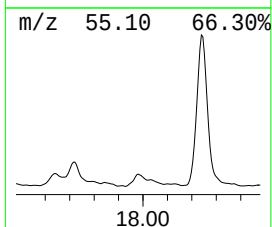
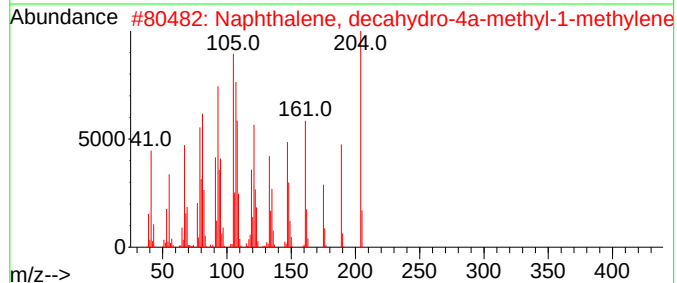
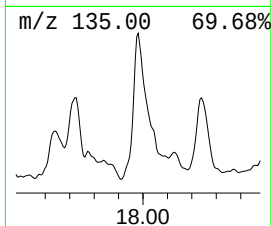
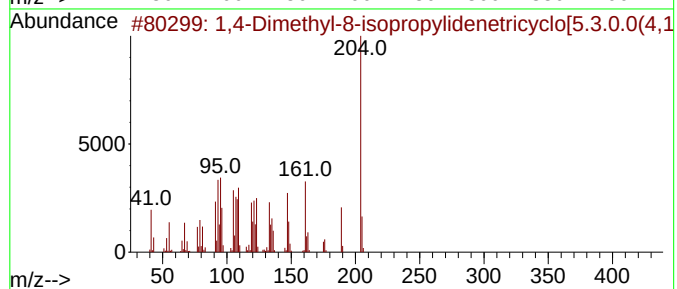
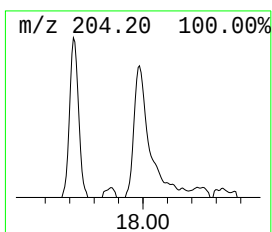
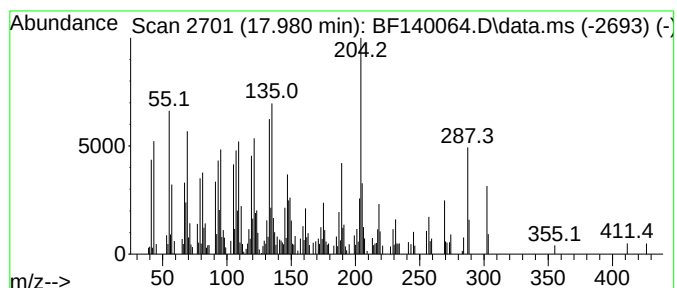
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101824.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*

| Peak Number | Compound Name                  | Concentration | Rank |
|-------------|--------------------------------|---------------|------|
| 19          | 1,4-Dimethyl-8-isopropylide... |               | 10   |

| R.T.      | EstConc                             | Area   | Relative to ISTD |              | R.T.   |
|-----------|-------------------------------------|--------|------------------|--------------|--------|
| 17.980    | 10.38 ng                            | 395840 | Perylene-d12     |              | 15.527 |
| Hit# of 5 | Tentative ID                        | MW     | MolForm          | CAS#         | Qual   |
| 1         | 1,4-Dimethyl-8-isopropylidenetri... | 204    | C15H24           | 1010140-07-7 | 70     |
| 2         | Naphthalene, decahydro-4a-methyl... | 204    | C15H24           | 017066-67-0  | 70     |
| 3         | Naphthalene, 1,2,3,5,6,7,8,8a-oc... | 204    | C15H24           | 004630-07-3  | 62     |
| 4         | 1,1,4a-Trimethyl-5,6-dimethylene... | 204    | C15H24           | 1000193-60-8 | 62     |
| 5         | 2,5,5,8a-Tetramethyl-6,7,8,8a-te... | 204    | C14H20O          | 124957-09-1  | 50     |





Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102624\  
Data File : BF140064.D  
Acq On : 26 Oct 2024 17:16  
Operator : RC/JU  
Sample : P4471-02  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
B-180-SB02

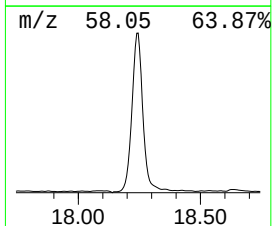
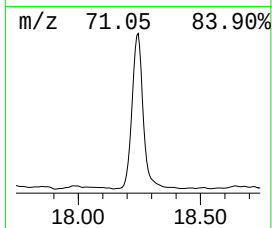
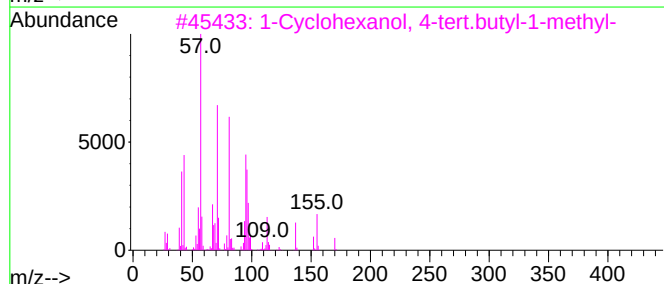
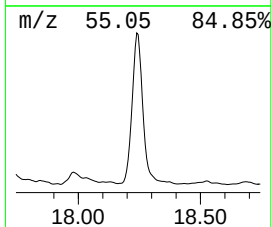
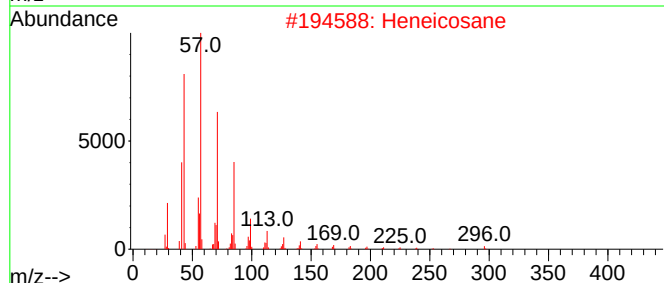
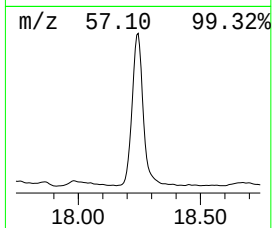
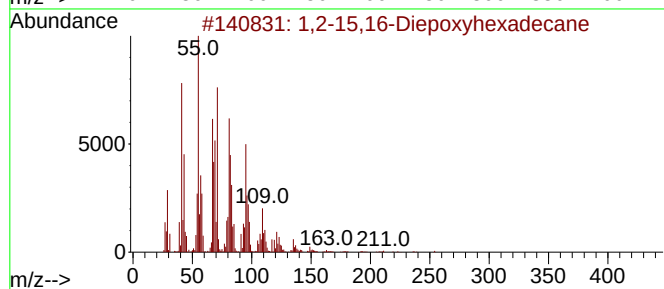
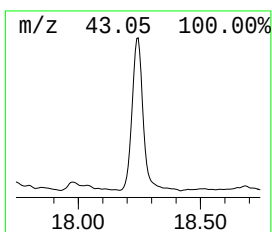
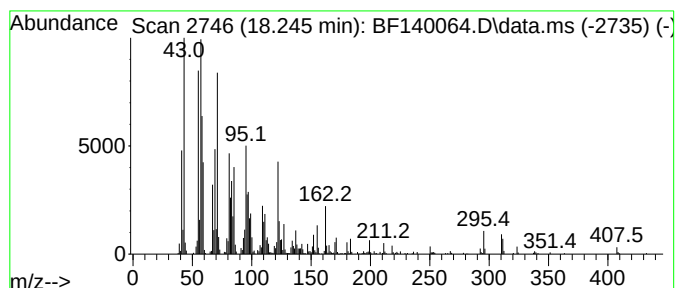
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101824.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 20 1,2-15,16-Diepoxyhexadecane Concentration Rank 3

| R.T.   | EstConc  | Area    | Relative to ISTD | R.T.   |
|--------|----------|---------|------------------|--------|
| 18.245 | 46.29 ng | 1764340 | Perylene-d12     | 15.527 |

| Hit# | of 5                                | Tentative ID | MW       | MolForm      | CAS# | Qual |
|------|-------------------------------------|--------------|----------|--------------|------|------|
| 1    | 1,2-15,16-Diepoxyhexadecane         | 254          | C16H30O2 | 1000192-65-0 | 50   |      |
| 2    | Heneicosane                         | 296          | C21H44   | 000629-94-7  | 42   |      |
| 3    | 1-Cyclohexanol, 4-tert.butyl-1-m... | 170          | C11H22O  | 1010163-45-0 | 42   |      |
| 4    | Tetradecane, 4-methyl-              | 212          | C15H32   | 025117-24-2  | 38   |      |
| 5    | Carbonic acid, octadecyl prop-1-... | 354          | C22H42O3 | 1000383-11-5 | 30   |      |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102624\  
Data File : BF140064.D  
Acq On : 26 Oct 2024 17:16  
Operator : RC/JU  
Sample : P4471-02  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
B-180-SB02

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101824.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

| TIC Top Hit name   | RT     | EstConc | Units | Response | --Internal Standard-- |        |         |      |
|--------------------|--------|---------|-------|----------|-----------------------|--------|---------|------|
|                    |        |         |       |          | #                     | RT     | Resp    | Conc |
| Butane, 2-metho... | 2.216  | 50.0    | ng    | 2208510  | 1                     | 6.887  | 882895  | 20.0 |
| .alpha.-Pinene     | 6.175  | 97.3    | ng    | 4296460  | 1                     | 6.887  | 882895  | 20.0 |
| Camphene           | 6.340  | 5.9     | ng    | 260291   | 1                     | 6.887  | 882895  | 20.0 |
| p-Cymene           | 6.963  | 14.9    | ng    | 659118   | 1                     | 6.887  | 882895  | 20.0 |
| Fenchol            | 7.698  | 7.5     | ng    | 435586   | 2                     | 8.169  | 1163650 | 20.0 |
| Bicyclo[2.2.1]h... | 7.916  | 18.4    | ng    | 1073710  | 2                     | 8.169  | 1163650 | 20.0 |
| endo-Borneol       | 8.075  | 7.0     | ng    | 406599   | 2                     | 8.169  | 1163650 | 20.0 |
| Terpinen-4-ol      | 8.110  | 8.1     | ng    | 472284   | 2                     | 8.169  | 1163650 | 20.0 |
| n-Hexadecanoic ... | 11.933 | 10.5    | ng    | 599654   | 4                     | 11.410 | 1142740 | 20.0 |
| unknown13.533      | 13.533 | 5.4     | ng    | 259209   | 5                     | 14.045 | 953505  | 20.0 |
| 1,21-Docosadiene   | 13.686 | 6.2     | ng    | 294193   | 5                     | 14.045 | 953505  | 20.0 |
| Dehydroabietic ... | 13.845 | 5.9     | ng    | 282541   | 5                     | 14.045 | 953505  | 20.0 |
| Heptadecyl hept... | 13.892 | 13.4    | ng    | 641279   | 5                     | 14.045 | 953505  | 20.0 |
| Docosanoic acid    | 14.110 | 6.2     | ng    | 297625   | 5                     | 14.045 | 953505  | 20.0 |
| Octadecyl trifl... | 14.527 | 16.9    | ng    | 807285   | 5                     | 14.045 | 953505  | 20.0 |
| Hexacosane         | 15.168 | 5.9     | ng    | 223350   | 6                     | 15.527 | 762355  | 20.0 |
| .gamma.-Sitosterol | 17.639 | 7.1     | ng    | 269605   | 6                     | 15.527 | 762355  | 20.0 |
| 9(1H)-Phenanthr... | 17.715 | 12.3    | ng    | 466793   | 6                     | 15.527 | 762355  | 20.0 |
| 1,4-Dimethyl-8-... | 17.980 | 10.4    | ng    | 395840   | 6                     | 15.527 | 762355  | 20.0 |
| 1,2-15,16-Diepo... | 18.245 | 46.3    | ng    | 1764340  | 6                     | 15.527 | 762355  | 20.0 |



# CALIBRATION SUMMARY

6C

## SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: PORT06  
 Lab Code: CHEM Case No.: P4471 SAS No.: P4471 SDG No.: P4471  
 Instrument ID: BNA\_F Calibration Date(s): 10/18/2024 10/18/2024  
 Calibration Time(s): 10:27 13:46

| LAB FILE ID:                |        | RRF2.5 = BF139844.D |        |        | RRF005 = BF139845.D |        | RRF010 = BF139846.D |       |
|-----------------------------|--------|---------------------|--------|--------|---------------------|--------|---------------------|-------|
|                             |        | RRF020 = BF139847.D |        |        | RRF040 = BF139848.D |        | RRF050 = BF139849.D |       |
| COMPOUND                    | RRF2.5 | RRF005              | RRF010 | RRF020 | RRF040              | RRF050 | RRF                 | % RSD |
| 2-Fluorophenol              |        | 1.465               | 1.398  | 1.331  | 1.278               | 1.179  | 1.278               | 10.1  |
| Benzaldehyde                |        |                     | 1.137  | 1.042  | 0.940               | 0.873  | 0.931               | 15.2  |
| Phenol-d6                   |        | 1.900               | 1.818  | 1.709  | 1.647               | 1.538  | 1.655               | 10.1  |
| Phenol                      |        | 1.952               | 1.832  | 1.760  | 1.712               | 1.583  | 1.706               | 9.2   |
| bis(2-Chloroethyl) ether    |        | 1.470               | 1.423  | 1.359  | 1.294               | 1.251  | 1.319               | 7.8   |
| 2-Chlorophenol              |        | 1.503               | 1.422  | 1.358  | 1.310               | 1.212  | 1.306               | 10.2  |
| 2-Methylphenol              |        | 1.264               | 1.164  | 1.134  | 1.114               | 1.053  | 1.114               | 7.7   |
| 2,2-oxybis(1-Chloropropane) |        | 2.524               | 2.409  | 2.353  | 2.255               | 2.117  | 2.248               | 8.7   |
| Acetophenone                |        | 0.578               | 0.533  | 0.516  | 0.481               | 0.452  | 0.490               | 11.4  |
| 3+4-Methylphenols           |        | 1.678               | 1.573  | 1.520  | 1.418               | 1.309  | 1.424               | 12.4  |
| n-Nitroso-di-n-propylamine  | 1.105  | 1.141               | 1.066  | 1.025  | 0.974               | 0.921  | 1.004               | 9.6   |
| Nitrobenzene-d5             |        | 0.365               | 0.365  | 0.372  | 0.371               | 0.354  | 0.361               | 2.9   |
| Hexachloroethane            |        | 0.583               | 0.571  | 0.549  | 0.541               | 0.507  | 0.534               | 7.1   |
| Nitrobenzene                |        | 0.417               | 0.402  | 0.408  | 0.403               | 0.383  | 0.396               | 4.1   |
| Isophorone                  |        | 0.755               | 0.709  | 0.702  | 0.679               | 0.652  | 0.685               | 5.9   |
| 2-Nitrophenol               |        | 0.124               | 0.137  | 0.150  | 0.157               | 0.158  | 0.149               | 9.2   |
| 2,4-Dimethylphenol          |        | 0.285               | 0.259  | 0.256  | 0.248               | 0.237  | 0.249               | 8.1   |
| bis(2-Chloroethoxy) methane |        | 0.468               | 0.440  | 0.432  | 0.412               | 0.394  | 0.415               | 8.2   |
| 2,4-Dichlorophenol          |        | 0.308               | 0.297  | 0.293  | 0.283               | 0.272  | 0.283               | 6.2   |
| Naphthalene                 |        | 1.209               | 1.121  | 1.091  | 1.023               | 0.958  | 1.031               | 11.2  |
| 4-Chloroaniline             |        | 0.397               | 0.382  | 0.368  | 0.351               | 0.332  | 0.352               | 9.3   |
| Hexachlorobutadiene         |        | 0.224               | 0.206  | 0.203  | 0.197               | 0.185  | 0.197               | 8.0   |
| Caprolactam                 |        | 0.092               | 0.092  | 0.092  | 0.092               | 0.088  | 0.090               | 2.9   |
| 4-Chloro-3-methylphenol     |        | 0.341               | 0.328  | 0.324  | 0.315               | 0.299  | 0.314               | 6.0   |
| 2-Methylnaphthalene         |        | 0.740               | 0.689  | 0.666  | 0.621               | 0.587  | 0.632               | 11.1  |
| Hexachlorocyclopentadiene   |        | 0.185               | 0.193  | 0.198  | 0.198               | 0.186  | 0.188               | 5.3   |
| 2,4,6-Trichlorophenol       |        | 0.405               | 0.382  | 0.400  | 0.387               | 0.363  | 0.382               | 4.8   |
| 2-Fluorobiphenyl            |        | 1.512               | 1.396  | 1.280  | 1.162               | 1.088  | 1.210               | 16.0  |
| 2,4,5-Trichlorophenol       |        | 0.426               | 0.425  | 0.398  | 0.401               | 0.381  | 0.394               | 6.6   |
| 1,1-Biphenyl                |        | 1.640               | 1.536  | 1.483  | 1.379               | 1.285  | 1.392               | 12.2  |
| 2-Chloronaphthalene         |        | 1.288               | 1.225  | 1.164  | 1.111               | 1.048  | 1.121               | 10.0  |
| 2-Nitroaniline              |        | 0.299               | 0.318  | 0.353  | 0.365               | 0.354  | 0.343               | 7.2   |
| Dimethylphthalate           |        | 1.410               | 1.344  | 1.283  | 1.237               | 1.172  | 1.246               | 8.6   |
| Acenaphthylene              |        | 1.854               | 1.756  | 1.717  | 1.615               | 1.507  | 1.621               | 10.1  |

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1

6C

## SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: PORT06  
 Lab Code: CHEM Case No.: P4471 SAS No.: P4471 SDG No.: P4471  
 Instrument ID: BNA\_F Calibration Date(s): 10/18/2024 10/18/2024  
 Calibration Time(s): 10:27 13:46

| LAB FILE ID:                 |        | RRF2.5 = BF139844.D |        |        | RRF005 = BF139845.D |        | RRF010 = BF139846.D |       |
|------------------------------|--------|---------------------|--------|--------|---------------------|--------|---------------------|-------|
|                              |        | RRF020 = BF139847.D |        |        | RRF040 = BF139848.D |        | RRF050 = BF139849.D |       |
| COMPOUND                     | RRF2.5 | RRF005              | RRF010 | RRF020 | RRF040              | RRF050 | RRF                 | % RSD |
| 2,6-Dinitrotoluene           |        | 0.256               | 0.266  | 0.278  | 0.280               | 0.273  | 0.270               | 3.4   |
| 3-Nitroaniline               |        | 0.270               | 0.275  | 0.296  | 0.292               | 0.276  | 0.278               | 4.8   |
| Acenaphthene                 |        | 1.200               | 1.136  | 1.089  | 1.044               | 0.977  | 1.049               | 9.5   |
| 2,4-Dinitrophenol            |        |                     | 0.056  | 0.077  | 0.101               | 0.101  | 0.093               | 23.9  |
| 4-Nitrophenol                |        | 0.187               | 0.207  | 0.225  | 0.232               | 0.219  | 0.214               | 6.8   |
| Dibenzofuran                 |        | 1.767               | 1.659  | 1.579  | 1.486               | 1.389  | 1.505               | 11.5  |
| 2,4-Dinitrotoluene           |        | 0.280               | 0.314  | 0.337  | 0.356               | 0.344  | 0.332               | 7.9   |
| Diethylphthalate             |        | 1.366               | 1.308  | 1.267  | 1.214               | 1.165  | 1.223               | 8.0   |
| 4-Chlorophenyl-phenylether   |        | 0.698               | 0.638  | 0.617  | 0.569               | 0.526  | 0.579               | 13.1  |
| Fluorene                     |        | 1.409               | 1.309  | 1.201  | 1.110               | 1.029  | 1.146               | 14.7  |
| 4-Nitroaniline               |        | 0.249               | 0.259  | 0.270  | 0.275               | 0.263  | 0.263               | 3.6   |
| 4,6-Dinitro-2-methylphenol   |        |                     | 0.055  | 0.072  | 0.087               | 0.090  | 0.082               | 18.6  |
| n-Nitrosodiphenylamine       |        | 0.672               | 0.641  | 0.621  | 0.595               | 0.568  | 0.599               | 8.1   |
| 2,4,6-Tribromophenol         |        | 0.201               | 0.196  | 0.193  | 0.188               | 0.179  | 0.187               | 5.5   |
| 4-Bromophenyl-phenylether    |        | 0.230               | 0.217  | 0.211  | 0.202               | 0.197  | 0.206               | 7.0   |
| Hexachlorobenzene            |        | 0.258               | 0.245  | 0.237  | 0.231               | 0.217  | 0.232               | 7.2   |
| Atrazine                     |        | 0.189               | 0.175  | 0.156  | 0.175               | 0.135  | 0.162               | 11.4  |
| Pentachlorophenol            |        | 0.118               | 0.137  | 0.148  | 0.152               | 0.145  | 0.141               | 8.0   |
| Phenanthrene                 |        | 1.121               | 1.035  | 0.994  | 0.933               | 0.863  | 0.945               | 11.8  |
| Anthracene                   |        | 1.082               | 1.014  | 0.972  | 0.913               | 0.851  | 0.922               | 11.5  |
| Carbazole                    |        | 1.002               | 0.964  | 0.923  | 0.846               | 0.776  | 0.857               | 12.6  |
| Di-n-butylphthalate          |        | 1.104               | 1.071  | 1.062  | 1.014               | 0.923  | 0.990               | 9.8   |
| Fluoranthene                 |        | 1.149               | 1.108  | 1.036  | 0.943               | 0.842  | 0.955               | 15.3  |
| Pyrene                       |        | 1.892               | 1.828  | 1.900  | 1.805               | 1.685  | 1.751               | 8.4   |
| Terphenyl-d14                |        | 1.381               | 1.335  | 1.340  | 1.244               | 1.154  | 1.227               | 11.0  |
| Butylbenzylphthalate         |        | 0.490               | 0.513  | 0.536  | 0.555               | 0.535  | 0.525               | 4.0   |
| 3,3-Dichlorobenzidine        |        | 0.368               | 0.372  | 0.390  | 0.387               | 0.374  | 0.380               | 2.2   |
| Benzo (a) anthracene         |        | 1.425               | 1.355  | 1.329  | 1.331               | 1.267  | 1.302               | 6.5   |
| Chrysene                     |        | 1.325               | 1.244  | 1.234  | 1.167               | 1.134  | 1.194               | 6.5   |
| Bis (2-ethylhexyl) phthalate |        | 0.520               | 0.539  | 0.577  | 0.626               | 0.620  | 0.589               | 7.5   |
| Di-n-octyl phthalate         |        |                     | 0.786  | 0.930  | 1.135               | 1.182  | 1.071               | 16.1  |
| Benzo (b) fluoranthene       |        | 1.317               | 1.240  | 1.319  | 1.196               | 1.105  | 1.218               | 7.1   |
| Benzo (k) fluoranthene       |        | 1.213               | 1.177  | 0.992  | 1.066               | 1.030  | 1.051               | 10.4  |
| Benzo (a) pyrene             |        | 1.030               | 1.024  | 1.018  | 1.025               | 0.974  | 1.002               | 3.1   |
| Indeno (1,2,3-cd) pyrene     |        | 1.209               | 1.261  | 1.307  | 1.352               | 1.299  | 1.287               | 3.8   |

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1



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

6C

## SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: PORT06  
 Lab Code: CHEM Case No.: P4471 SAS No.: P4471 SDG No.: P4471  
 Instrument ID: BNA\_F Calibration Date(s): 10/18/2024 10/18/2024  
 Calibration Time(s): 10:27 13:46

|                            |        |                     |        |                     |        |                     |       |       |
|----------------------------|--------|---------------------|--------|---------------------|--------|---------------------|-------|-------|
| LAB FILE ID:               |        | RRF2.5 = BF139844.D |        | RRF005 = BF139845.D |        | RRF010 = BF139846.D |       |       |
|                            |        | RRF020 = BF139847.D |        | RRF040 = BF139848.D |        | RRF050 = BF139849.D |       |       |
| COMPOUND                   | RRF2.5 | RRF005              | RRF010 | RRF020              | RRF040 | RRF050              | RRF   | % RSD |
| Dibenzo (a,h) anthracene   |        | 1.021               | 1.064  | 1.103               | 1.120  | 1.083               | 1.073 | 3.3   |
| Benzo (g,h,i) perylene     |        | 1.030               | 1.046  | 1.090               | 1.128  | 1.081               | 1.072 | 3.4   |
| 1,2,4,5-Tetrachlorobenzene |        | 0.609               | 0.579  | 0.562               | 0.537  | 0.512               | 0.540 | 8.7   |
| 1,4-Dioxane                |        | 0.651               | 0.625  | 0.603               | 0.591  | 0.571               | 0.596 | 5.7   |
| 2,3,4,6-Tetrachlorophenol  |        | 0.334               | 0.322  | 0.326               | 0.310  | 0.296               | 0.309 | 6.3   |

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1

Method Path : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\  
 Method File : 8270-BF101824.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 Last Update : Fri Oct 18 15:07:50 2024  
 Response Via : Initial Calibration

## Calibration Files

2.5 =BF139844.D 5 =BF139845.D 10 =BF139846.D 20 =BF139847.D 40 =BF139848.D 50 =BF139849.D 60 =BF139850.D 80 =BF139851.D

|       | Compound              | 2.5            | 5     | 10    | 20    | 40    | 50    | 60    | 80    | Avg   | %RSD  |
|-------|-----------------------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| ----- |                       |                |       |       |       |       |       |       |       |       |       |
| 1) I  | 1,4-Dichlorobenzen... | -----ISTD----- |       |       |       |       |       |       |       |       |       |
| 2)    | 1,4-Dioxane           | 0.651          | 0.625 | 0.603 | 0.591 | 0.571 | 0.581 | 0.548 | 0.596 |       | 5.74  |
| 3)    | Pyridine              | 1.622          | 1.570 | 1.522 | 1.504 | 1.386 | 1.406 | 1.326 | 1.476 |       | 7.26  |
| 4)    | n-Nitrosodimet...     | 0.815          | 0.800 | 0.799 | 0.806 | 0.782 | 0.794 | 0.757 | 0.793 |       | 2.39  |
| 5) S  | 2-Fluorophenol        | 1.465          | 1.398 | 1.331 | 1.278 | 1.179 | 1.186 | 1.106 | 1.278 |       | 10.10 |
| 6)    | Aniline               | 1.673          | 1.649 | 1.618 | 1.582 | 1.471 | 1.479 | 1.324 | 1.542 |       | 8.05  |
| 7) S  | Phenol-d6             | 1.900          | 1.818 | 1.709 | 1.647 | 1.538 | 1.539 | 1.432 | 1.655 |       | 10.06 |
| 8)    | 2-Chlorophenol        | 1.503          | 1.422 | 1.358 | 1.310 | 1.212 | 1.221 | 1.116 | 1.306 |       | 10.24 |
| 9)    | Benzaldehyde          |                | 1.137 | 1.042 | 0.940 | 0.873 | 0.853 | 0.740 | 0.931 |       | 15.22 |
| 10) C | Phenol                | 1.952          | 1.832 | 1.760 | 1.712 | 1.583 | 1.601 | 1.502 | 1.706 |       | 9.19  |
| 11)   | bis(2-Chloroet...     | 1.470          | 1.423 | 1.359 | 1.294 | 1.251 | 1.249 | 1.183 | 1.319 |       | 7.82  |
| 12)   | 1,3-Dichlorobe...     | 1.718          | 1.656 | 1.544 | 1.499 | 1.392 | 1.391 | 1.294 | 1.499 |       | 10.19 |
| 13) C | 1,4-Dichlorobe...     | 1.723          | 1.641 | 1.558 | 1.487 | 1.392 | 1.391 | 1.291 | 1.498 |       | 10.19 |
| 14)   | 1,2-Dichlorobe...     | 1.660          | 1.579 | 1.478 | 1.379 | 1.273 | 1.267 | 1.149 | 1.398 |       | 13.15 |
| 15)   | Benzyl Alcohol        | 1.355          | 1.299 | 1.257 | 1.213 | 1.154 | 1.146 | 1.071 | 1.214 |       | 8.07  |
| 16)   | 2,2'-oxybis(1-...     | 2.524          | 2.409 | 2.353 | 2.255 | 2.117 | 2.115 | 1.964 | 2.248 |       | 8.69  |
| 17)   | 2-Methylphenol        | 1.264          | 1.164 | 1.134 | 1.114 | 1.053 | 1.063 | 1.004 | 1.114 |       | 7.69  |
| 18)   | Hexachloroethane      | 0.583          | 0.571 | 0.549 | 0.541 | 0.507 | 0.511 | 0.477 | 0.534 |       | 7.06  |
| 19) P | n-Nitroso-di-n...     | 1.105          | 1.141 | 1.066 | 1.025 | 0.974 | 0.921 | 0.927 | 0.869 | 1.004 | 9.63  |
| 20)   | 3+4-Methylphenols     |                | 1.678 | 1.573 | 1.520 | 1.418 | 1.309 | 1.300 | 1.173 | 1.424 | 12.41 |
|       |                       |                |       |       |       |       |       |       |       |       |       |
| 21) I | Naphthalene-d8        | -----ISTD----- |       |       |       |       |       |       |       |       |       |
| 22)   | Acetophenone          | 0.578          | 0.533 | 0.516 | 0.481 | 0.452 | 0.454 | 0.414 | 0.490 |       | 11.43 |
| 23) S | Nitrobenzene-d5       | 0.365          | 0.365 | 0.372 | 0.371 | 0.354 | 0.357 | 0.342 | 0.361 |       | 2.92  |
| 24)   | Nitrobenzene          | 0.417          | 0.402 | 0.408 | 0.403 | 0.383 | 0.388 | 0.370 | 0.396 |       | 4.10  |
| 25)   | Isophorone            | 0.755          | 0.709 | 0.702 | 0.679 | 0.652 | 0.660 | 0.637 | 0.685 |       | 5.90  |
| 26) C | 2-Nitrophenol         | 0.124          | 0.137 | 0.150 | 0.157 | 0.158 | 0.161 | 0.157 | 0.149 |       | 9.22  |
| 27)   | 2,4-Dimethylph...     | 0.285          | 0.259 | 0.256 | 0.248 | 0.237 | 0.234 | 0.223 | 0.249 |       | 8.07  |
| 28)   | bis(2-Chloroet...     | 0.468          | 0.440 | 0.432 | 0.412 | 0.394 | 0.390 | 0.369 | 0.415 |       | 8.22  |
| 29) C | 2,4-Dichloroph...     | 0.308          | 0.297 | 0.293 | 0.283 | 0.272 | 0.274 | 0.257 | 0.283 |       | 6.17  |
| 30)   | 1,2,4-Trichlor...     | 0.351          | 0.331 | 0.325 | 0.315 | 0.298 | 0.298 | 0.279 | 0.314 |       | 7.68  |
| 31)   | Naphthalene           | 1.209          | 1.121 | 1.091 | 1.023 | 0.958 | 0.944 | 0.875 | 1.031 |       | 11.23 |
| 32)   | Benzoic acid          |                | 0.175 | 0.207 | 0.220 | 0.231 | 0.235 | 0.235 | 0.217 |       | 10.69 |
| 33)   | 4-Chloroaniline       | 0.397          | 0.382 | 0.368 | 0.351 | 0.332 | 0.326 | 0.306 | 0.352 |       | 9.26  |
| 34) C | Hexachlorobuta...     | 0.224          | 0.206 | 0.203 | 0.197 | 0.185 | 0.187 | 0.177 | 0.197 |       | 7.96  |
| 35)   | Caprolactam           | 0.092          | 0.092 | 0.092 | 0.092 | 0.088 | 0.088 | 0.086 | 0.090 |       | 2.85  |
| 36) C | 4-Chloro-3-met...     | 0.341          | 0.328 | 0.324 | 0.315 | 0.299 | 0.303 | 0.287 | 0.314 |       | 6.03  |
| 37)   | 2-Methylnaphth...     | 0.740          | 0.689 | 0.666 | 0.621 | 0.587 | 0.583 | 0.537 | 0.632 |       | 11.11 |
| 38)   | 1-Methylnaphth...     | 0.726          | 0.683 | 0.655 | 0.612 | 0.569 | 0.567 | 0.526 | 0.620 |       | 11.55 |

Method Path : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\  
 Method File : 8270-BF101824.M

|       |                    |                |       |       |       |       |       |       |       |       |  |
|-------|--------------------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|--|
| 39) I | Acenaphthene-d10   | -----ISTD----- |       |       |       |       |       |       |       |       |  |
| 40)   | 1,2,4,5-Tetrac...  | 0.609          | 0.579 | 0.562 | 0.537 | 0.512 | 0.506 | 0.472 | 0.540 | 8.72  |  |
| 41) P | Hexachlorocycl...  | 0.185          | 0.193 | 0.198 | 0.198 | 0.186 | 0.185 | 0.169 | 0.188 | 5.28  |  |
| 42) S | 2,4,6-Tribromo...  | 0.201          | 0.196 | 0.193 | 0.188 | 0.179 | 0.180 | 0.173 | 0.187 | 5.47  |  |
| 43) C | 2,4,6-Trichlor...  | 0.405          | 0.382 | 0.400 | 0.387 | 0.363 | 0.383 | 0.354 | 0.382 | 4.80  |  |
| 44)   | 2,4,5-Trichlor...  | 0.426          | 0.425 | 0.398 | 0.401 | 0.381 | 0.369 | 0.359 | 0.394 | 6.58  |  |
| 45) S | 2-Fluorobiphenyl   | 1.512          | 1.396 | 1.280 | 1.162 | 1.088 | 1.060 | 0.973 | 1.210 | 16.05 |  |
| 46)   | 1,1'-Biphenyl      | 1.640          | 1.536 | 1.483 | 1.379 | 1.285 | 1.262 | 1.161 | 1.392 | 12.18 |  |
| 47)   | 2-Chloronaphth...  | 1.288          | 1.225 | 1.164 | 1.111 | 1.048 | 1.040 | 0.973 | 1.121 | 9.95  |  |
| 48)   | 2-Nitroaniline     | 0.299          | 0.318 | 0.353 | 0.365 | 0.354 | 0.362 | 0.349 | 0.343 | 7.20  |  |
| 49)   | Acenaphthylene     | 1.854          | 1.756 | 1.717 | 1.615 | 1.507 | 1.505 | 1.394 | 1.621 | 10.06 |  |
| 50)   | Dimethylphthalate  | 1.410          | 1.344 | 1.283 | 1.237 | 1.172 | 1.163 | 1.110 | 1.246 | 8.60  |  |
| 51)   | 2,6-Dinitrotol...  | 0.256          | 0.266 | 0.278 | 0.280 | 0.273 | 0.274 | 0.260 | 0.270 | 3.41  |  |
| 52) C | Acenaphthene       | 1.200          | 1.136 | 1.089 | 1.044 | 0.977 | 0.983 | 0.913 | 1.049 | 9.55  |  |
| 53)   | 3-Nitroaniline     | 0.270          | 0.275 | 0.296 | 0.292 | 0.276 | 0.282 | 0.256 | 0.278 | 4.84  |  |
| 54) P | 2,4-Dinitrophenol  |                | 0.056 | 0.077 | 0.101 | 0.101 | 0.113 | 0.112 | 0.093 | 23.89 |  |
| 55)   | Dibenzofuran       | 1.767          | 1.659 | 1.579 | 1.486 | 1.389 | 1.375 | 1.278 | 1.505 | 11.52 |  |
| 56) P | 4-Nitrophenol      | 0.187          | 0.207 | 0.225 | 0.232 | 0.219 | 0.220 | 0.208 | 0.214 | 6.84  |  |
| 57)   | 2,4-Dinitrotol...  | 0.280          | 0.314 | 0.337 | 0.356 | 0.344 | 0.351 | 0.338 | 0.332 | 7.94  |  |
| 58)   | Fluorene           | 1.409          | 1.309 | 1.201 | 1.110 | 1.029 | 1.021 | 0.944 | 1.146 | 14.68 |  |
| 59)   | 2,3,4,6-Tetrac...  | 0.334          | 0.322 | 0.326 | 0.310 | 0.296 | 0.293 | 0.281 | 0.309 | 6.33  |  |
| 60)   | Diethylphthalate   | 1.366          | 1.308 | 1.267 | 1.214 | 1.165 | 1.161 | 1.080 | 1.223 | 7.99  |  |
| 61)   | 4-Chlorophenyl...  | 0.698          | 0.638 | 0.617 | 0.569 | 0.526 | 0.520 | 0.484 | 0.579 | 13.14 |  |
| 62)   | 4-Nitroaniline     | 0.249          | 0.259 | 0.270 | 0.275 | 0.263 | 0.269 | 0.254 | 0.263 | 3.65  |  |
| 63)   | Azobenzene         | 1.459          | 1.385 | 1.355 | 1.306 | 1.216 | 1.212 | 1.143 | 1.297 | 8.62  |  |
| 64) I | Phenanthrene-d10   | -----ISTD----- |       |       |       |       |       |       |       |       |  |
| 65)   | 4,6-Dinitro-2-...  |                | 0.055 | 0.072 | 0.087 | 0.090 | 0.092 | 0.093 | 0.082 | 18.60 |  |
| 66) c | n-Nitrosodiphe...  | 0.672          | 0.641 | 0.621 | 0.595 | 0.568 | 0.561 | 0.533 | 0.599 | 8.14  |  |
| 67)   | 4-Bromophenyl-...  | 0.230          | 0.217 | 0.211 | 0.202 | 0.197 | 0.196 | 0.189 | 0.206 | 6.98  |  |
| 68)   | Hexachlorobenzene  | 0.258          | 0.245 | 0.237 | 0.231 | 0.217 | 0.221 | 0.212 | 0.232 | 7.20  |  |
| 69)   | Atrazine           | 0.189          | 0.175 | 0.156 | 0.175 | 0.135 | 0.153 | 0.151 | 0.162 | 11.36 |  |
| 70) C | Pentachlorophenol  | 0.118          | 0.137 | 0.148 | 0.152 | 0.145 | 0.144 | 0.140 | 0.141 | 8.04  |  |
| 71)   | Phenanthrene       | 1.121          | 1.035 | 0.994 | 0.933 | 0.863 | 0.860 | 0.807 | 0.945 | 11.79 |  |
| 72)   | Anthracene         | 1.082          | 1.014 | 0.972 | 0.913 | 0.851 | 0.833 | 0.787 | 0.922 | 11.53 |  |
| 73)   | Carbazole          | 1.002          | 0.964 | 0.923 | 0.846 | 0.776 | 0.772 | 0.717 | 0.857 | 12.64 |  |
| 74)   | Di-n-butylphth...  | 1.104          | 1.071 | 1.062 | 1.014 | 0.923 | 0.909 | 0.850 | 0.990 | 9.77  |  |
| 75) C | Fluoranthene       | 1.149          | 1.108 | 1.036 | 0.943 | 0.842 | 0.835 | 0.772 | 0.955 | 15.34 |  |
| 76) I | Chrysene-d12       | -----ISTD----- |       |       |       |       |       |       |       |       |  |
| 77)   | Benzidine          | 0.457          | 0.461 | 0.293 | 0.366 | 0.276 | 0.203 | 0.246 | 0.329 | 30.86 |  |
| 78)   | Pyrene             | 1.892          | 1.828 | 1.900 | 1.805 | 1.685 | 1.649 | 1.496 | 1.751 | 8.43  |  |
| 79) S | Terphenyl-d14      | 1.381          | 1.335 | 1.340 | 1.244 | 1.154 | 1.121 | 1.018 | 1.227 | 10.96 |  |
| 80)   | Butylbenzylphth... | 0.490          | 0.513 | 0.536 | 0.555 | 0.535 | 0.531 | 0.514 | 0.525 | 3.99  |  |
| 81)   | Benzo(a)anthra...  | 1.425          | 1.355 | 1.329 | 1.331 | 1.267 | 1.237 | 1.169 | 1.302 | 6.48  |  |
| 82)   | 3,3'-Dichlorob...  | 0.368          | 0.372 | 0.390 | 0.387 | 0.374 | 0.382 | 0.384 | 0.380 | 2.15  |  |
| 83)   | Chrysene           | 1.325          | 1.244 | 1.234 | 1.167 | 1.134 | 1.151 | 1.101 | 1.194 | 6.52  |  |
| 84)   | Bis(2-ethylhex...  | 0.520          | 0.539 | 0.577 | 0.626 | 0.620 | 0.626 | 0.614 | 0.589 | 7.48  |  |
| 85) c | Di-n-octyl pht...  |                | 0.786 | 0.930 | 1.135 | 1.182 | 1.207 | 1.186 | 1.071 | 16.14 |  |

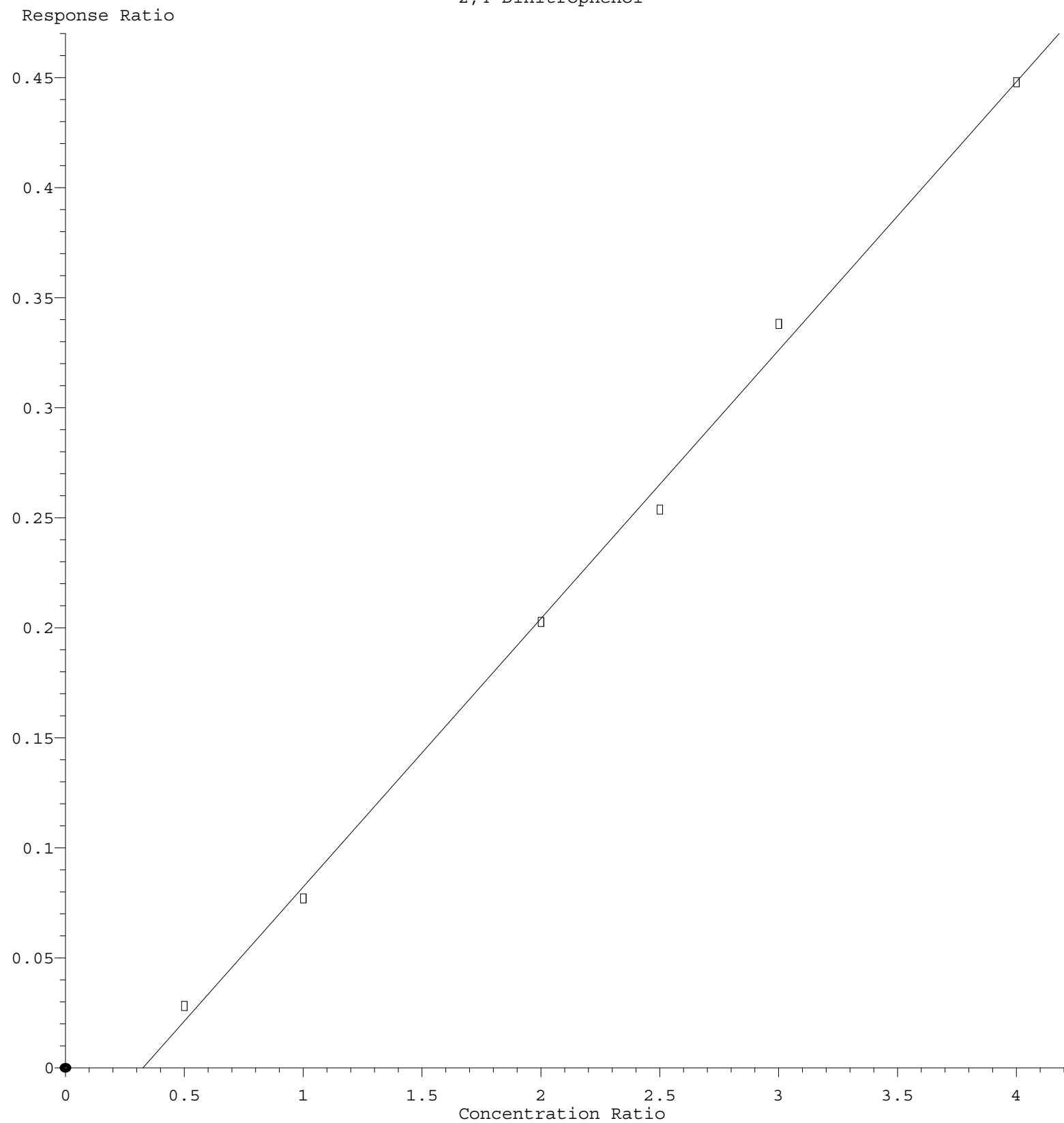


Method Path : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\  
Method File : 8270-BF101824.M

|       |                   |                |       |       |       |       |       |       |       |       |
|-------|-------------------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|
| 86) I | Perylene-d12      | -----ISTD----- |       |       |       |       |       |       |       |       |
| 87)   | Indeno(1,2,3-c... | 1.209          | 1.261 | 1.307 | 1.352 | 1.299 | 1.326 | 1.253 | 1.287 | 3.77  |
| 88)   | Benzo(b)fluora... | 1.317          | 1.240 | 1.319 | 1.196 | 1.105 | 1.239 | 1.111 | 1.218 | 7.15  |
| 89)   | Benzo(k)fluora... | 1.213          | 1.177 | 0.992 | 1.066 | 1.030 | 0.929 | 0.947 | 1.051 | 10.42 |
| 90) C | Benzo(a)pyrene    | 1.030          | 1.024 | 1.018 | 1.025 | 0.974 | 0.999 | 0.947 | 1.002 | 3.12  |
| 91)   | Dibenzo(a,h)an... | 1.021          | 1.064 | 1.103 | 1.120 | 1.083 | 1.085 | 1.036 | 1.073 | 3.31  |
| 92)   | Benzo(g,h,i)pe... | 1.030          | 1.046 | 1.090 | 1.128 | 1.081 | 1.095 | 1.035 | 1.072 | 3.37  |

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

# 2,4-Dinitrophenol



Response =  $1.220 \times 10^{-1} \times \text{Amt} - 3.983 \times 10^{-2}$   
 Coef of Det ( $r^2$ ) = 0.997175    Curve Fit: Linear  
 Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF101824.M  
 Calibration Table Last Updated: Fri Oct 18 15:07:50 2024

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF101824\  
Data File : BF139844.D  
Acq On : 18 Oct 2024 10:27  
Operator : RC/JU  
Sample : SSTDICC2.5  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC2.5

Quant Time: Oct 18 14:15:43 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101824.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Oct 18 14:11:20 2024  
Response via : Initial Calibration

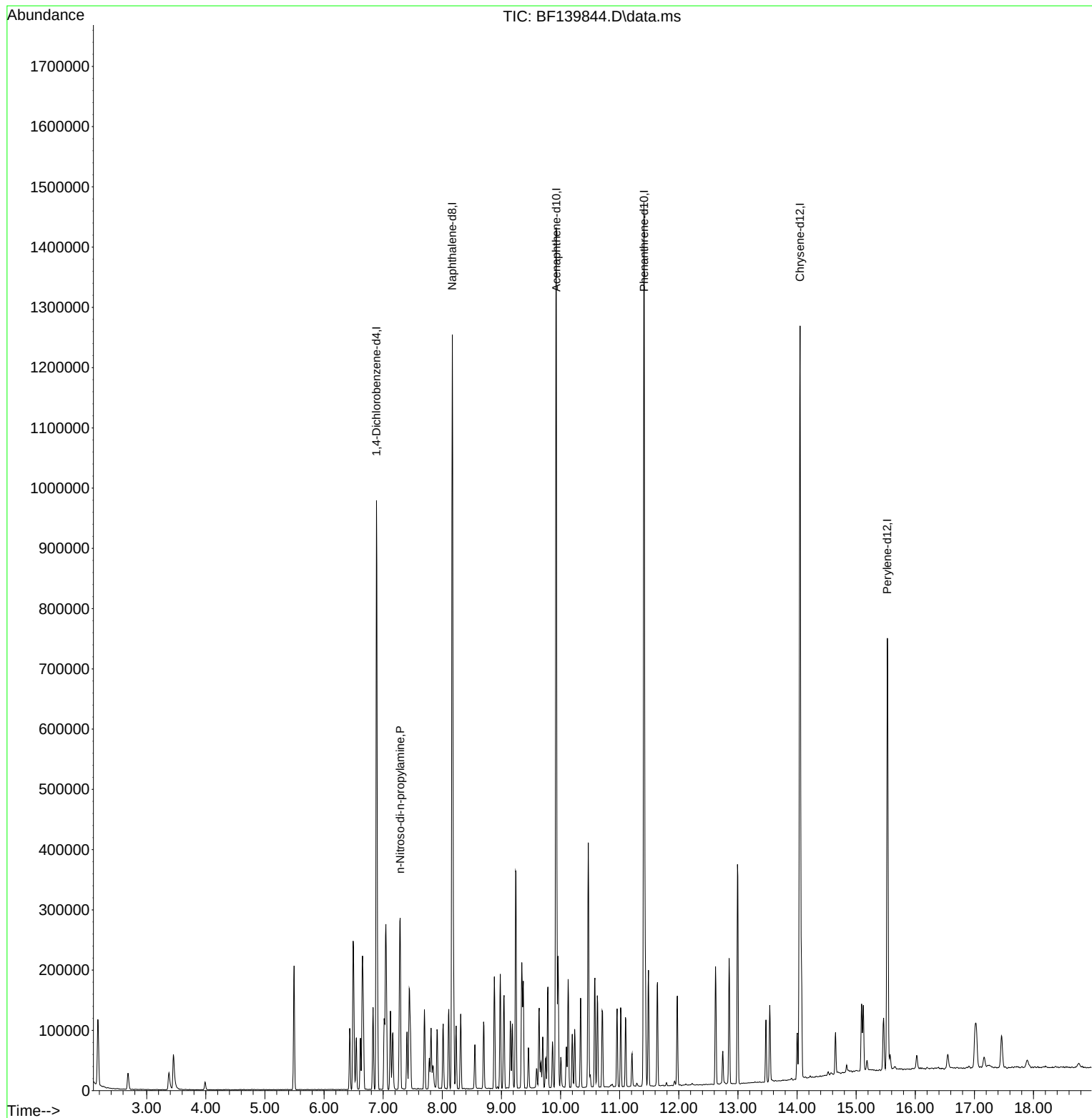
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.887  | 152  | 190003   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.169  | 136  | 748539   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.928  | 164  | 423999   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.410 | 188  | 760140   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 14.051 | 240  | 519381   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12              | 15.527 | 264  | 410408   | 20.000 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 0.000  | 112  | 0d       | 0.000  | ng    |          |
| 7) Phenol-d6                  | 0.000  | 99   | 0d       | 0.000  | ng    |          |
| 23) Nitrobenzene-d5           | 0.000  | 82   | 0d       | 0.000  | ng    |          |
| 42) 2,4,6-Tribromophenol      | 0.000  | 330  | 0d       | 0.000  | ng    |          |
| 45) 2-Fluorobiphenyl          | 0.000  | 172  | 0d       | 0.000  | ng    |          |
| 79) Terphenyl-d14             | 0.000  | 244  | 0d       | 0.000  | ng    |          |
| Target Compounds              |        |      |          |        |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.287  | 70   | 26252    | 2.754  | ng    | 94       |

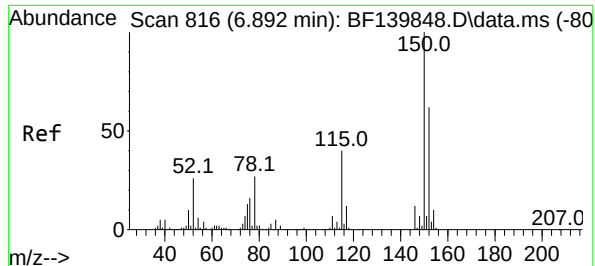
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF101824\  
Data File : BF139844.D  
Acq On : 18 Oct 2024 10:27  
Operator : RC/JU  
Sample : SSTDICC2.5  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC2.5

Quant Time: Oct 18 14:15:43 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101824.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Oct 18 14:11:20 2024  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.887 min Scan# 81

Delta R.T. -0.005 min

Lab File: BF139844.D

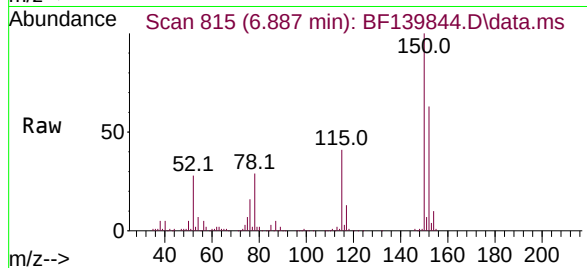
Acq: 18 Oct 2024 10:27

Instrument :

BNA\_F

ClientSampleId :

SSTDICC2.5



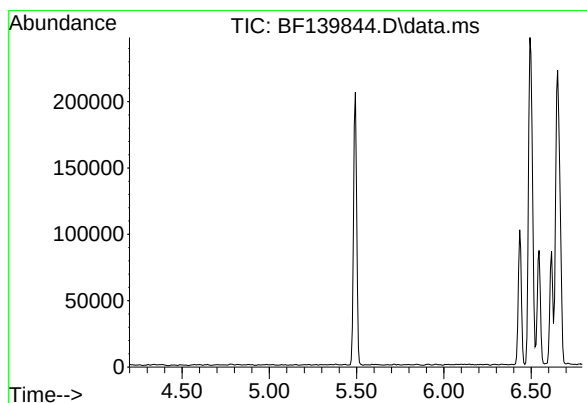
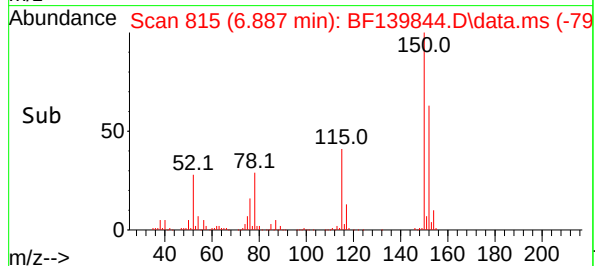
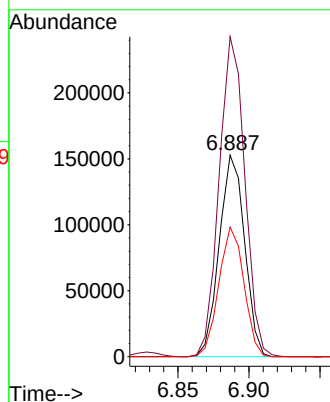
Tgt Ion:152 Resp: 190003

Ion Ratio Lower Upper

152 100

150 158.9 130.2 195.2

115 64.4 51.4 77.2



#5

2-Fluorophenol

Concen: 0.000 ng

Expected RT: 5.50 min

Lab File: BF139844.D

Acq: 18 Oct 2024 10:27

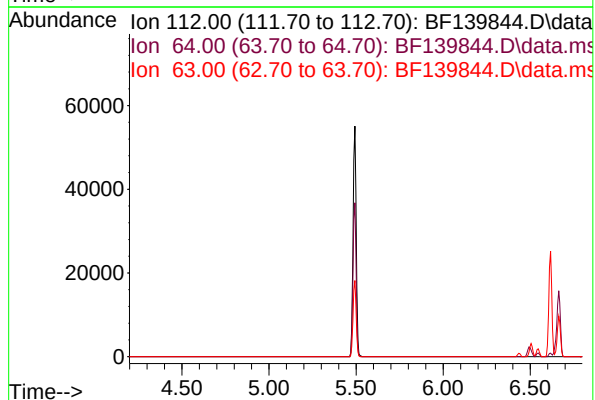
Tgt Ion: 112

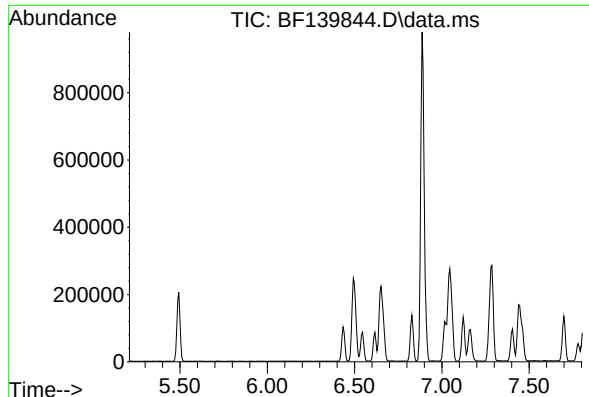
Sig Exp Ratio

112 100

64 66.3

63 33.7





#7

Phenol-d6

Concen: 0.000 ng

Expected RT: 6.51 min

Lab File: BF139844.D

Acq: 18 Oct 2024 10:27

Instrument :

BNA\_F

ClientSampleId :

SSTDICC2.5

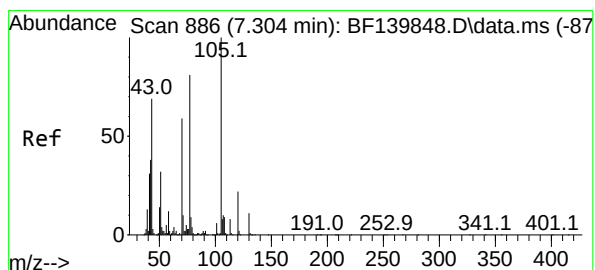
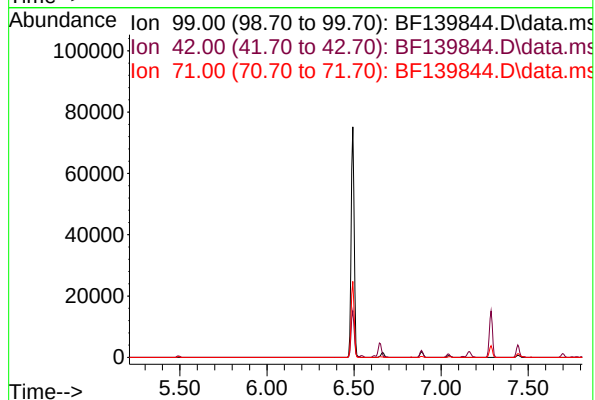
Tgt Ion: 99

Sig Exp Ratio

99 100

42 20.9

71 34.6



#19

n-Nitroso-di-n-propylamine

Concen: 2.754 ng

RT: 7.287 min Scan# 883

Delta R.T. -0.017 min

Lab File: BF139844.D

Acq: 18 Oct 2024 10:27

Tgt Ion: 70 Resp: 26252

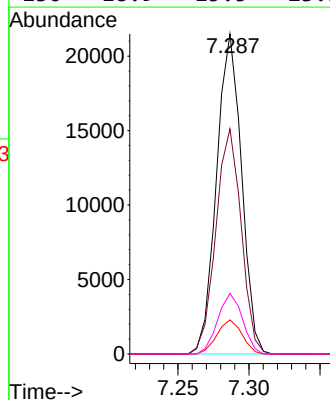
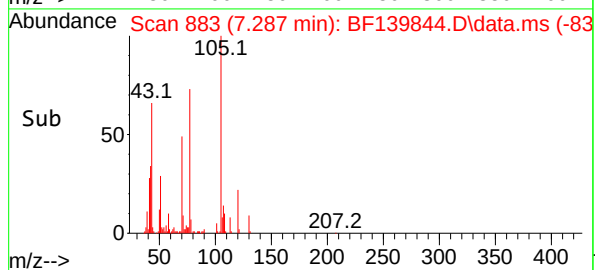
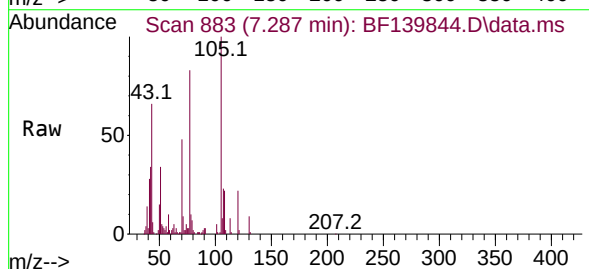
Ion Ratio Lower Upper

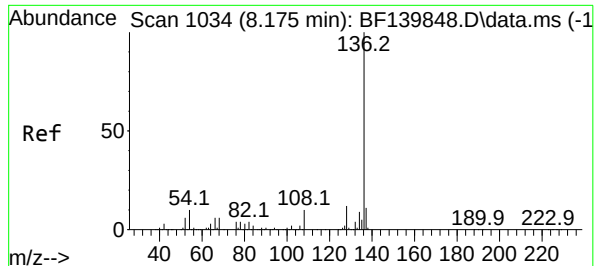
70 100

42 70.4 51.5 77.3

101 10.6 7.5 11.3

130 18.9 15.5 23.3





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.169 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF139844.D

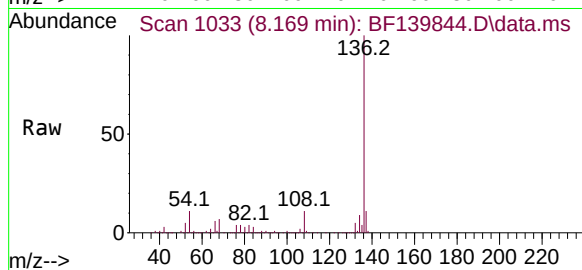
Acq: 18 Oct 2024 10:27

Instrument :

BNA\_F

ClientSampleId :

SSTDICC2.5



Tgt Ion:136 Resp: 748539

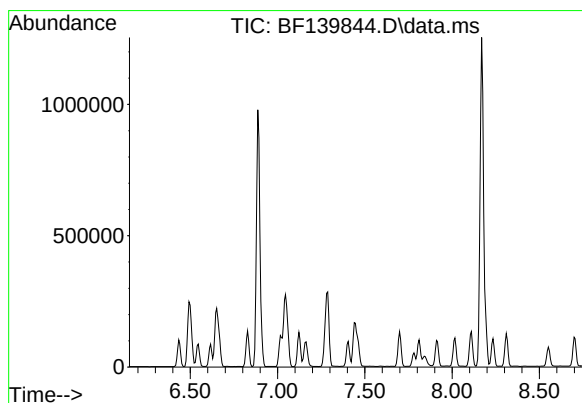
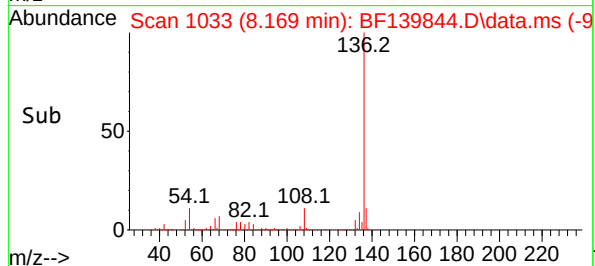
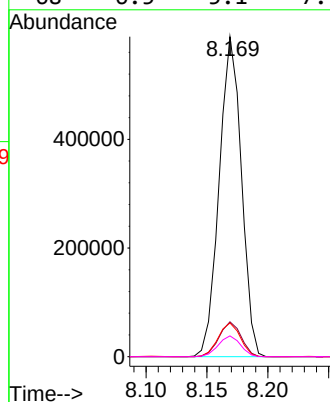
Ion Ratio Lower Upper

136 100

137 10.9 8.6 12.8

54 10.6 8.4 12.6

68 6.5 5.1 7.7



#23

Nitrobenzene-d5

Concen: 0.000 ng

Expected RT: 7.45 min

Lab File: BF139844.D

Acq: 18 Oct 2024 10:27

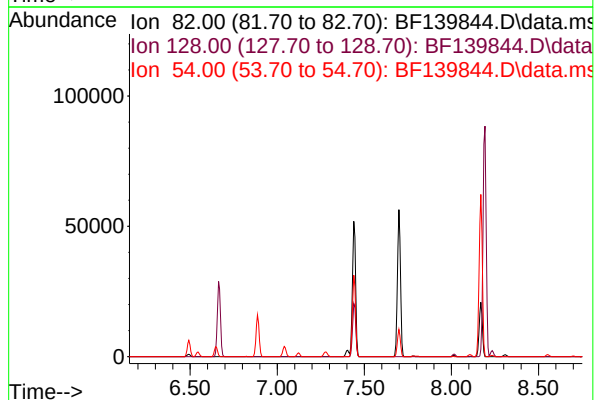
Tgt Ion: 82

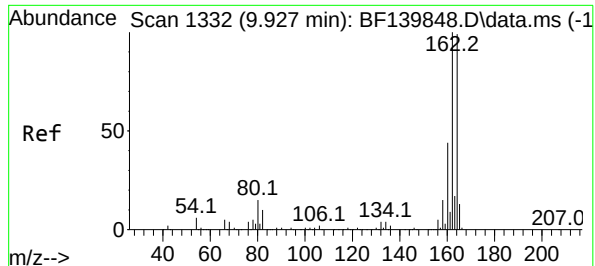
Sig Exp Ratio

82 100

128 41.7

54 59.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.928 min Scan# 1

Delta R.T. 0.001 min

Lab File: BF139844.D

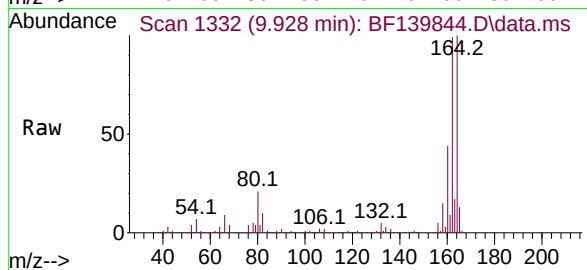
Acq: 18 Oct 2024 10:27

Instrument :

BNA\_F

ClientSampleId :

SSTDICC2.5



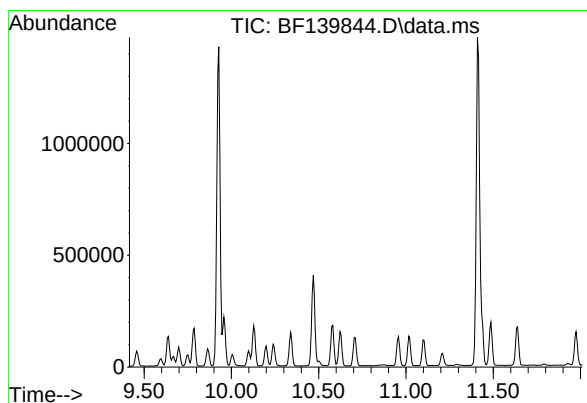
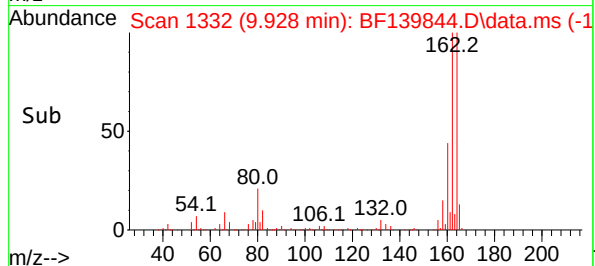
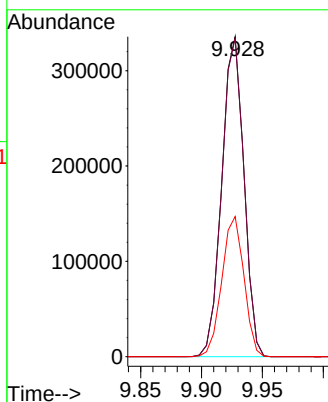
Tgt Ion:164 Resp: 423999

Ion Ratio Lower Upper

164 100

162 99.5 81.0 121.4

160 43.8 35.4 53.0



#42

2,4,6-Tribromophenol

Concen: 0.000 ng

Expected RT: 10.72 min

Lab File: BF139844.D

Acq: 18 Oct 2024 10:27

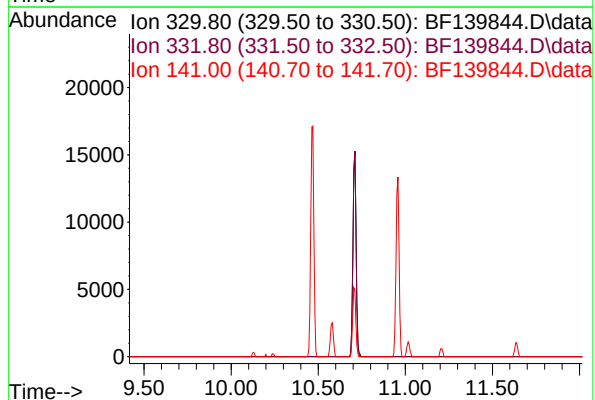
Tgt Ion: 330

Sig Exp Ratio

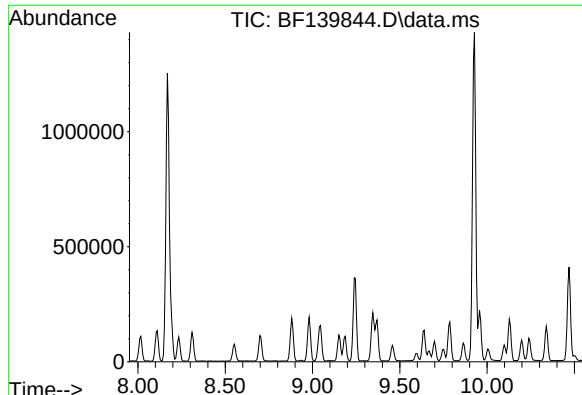
330 100

332 97.6

141 33.2







#45

2-Fluorobiphenyl

Concen: 0.000 ng

Expected RT: 9.25 min

Lab File: BF139844.D

Acq: 18 Oct 2024 10:27

Instrument :

BNA\_F

ClientSampleId :

SSTDICC2.5

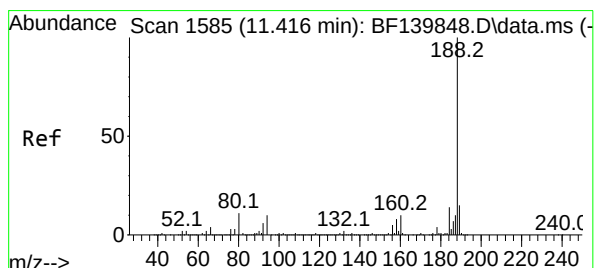
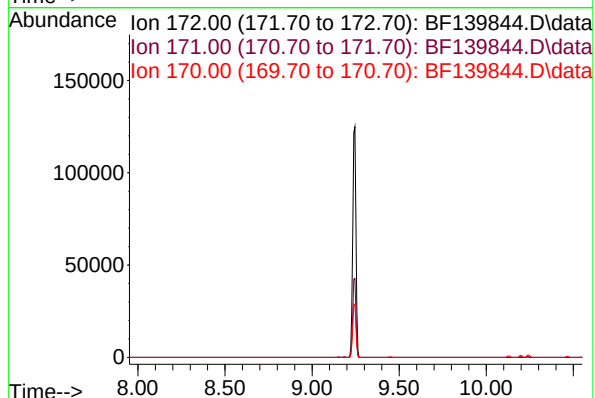
Tgt Ion: 172

Sig Exp Ratio

172 100

171 35.8

170 23.9



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.410 min Scan# 1584

Delta R.T. -0.006 min

Lab File: BF139844.D

Acq: 18 Oct 2024 10:27

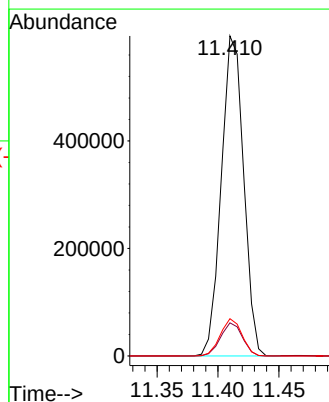
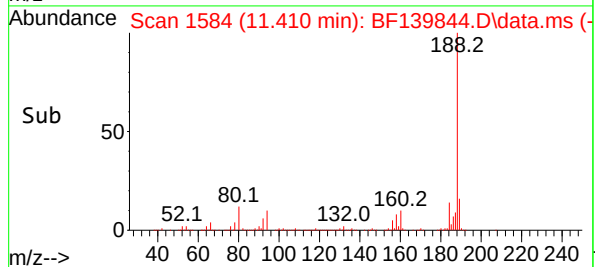
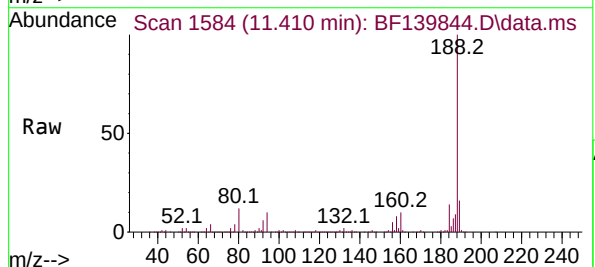
Tgt Ion:188 Resp: 760140

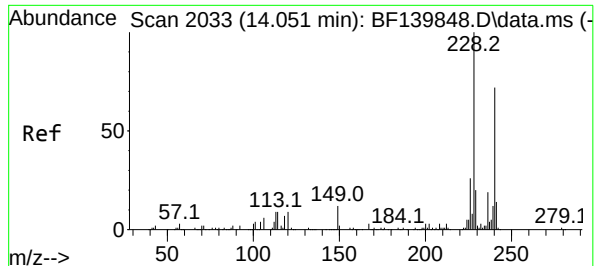
Ion Ratio Lower Upper

188 100

94 10.4 7.9 11.9

80 11.6 9.0 13.4

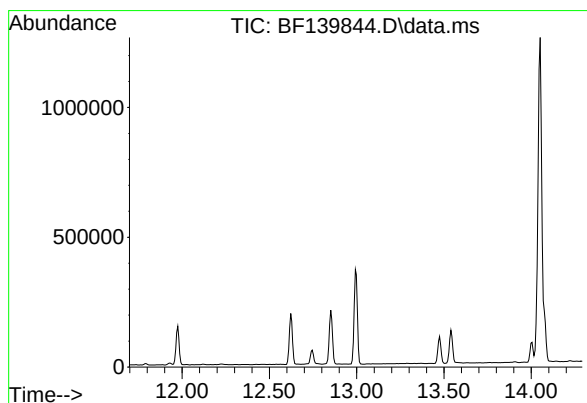
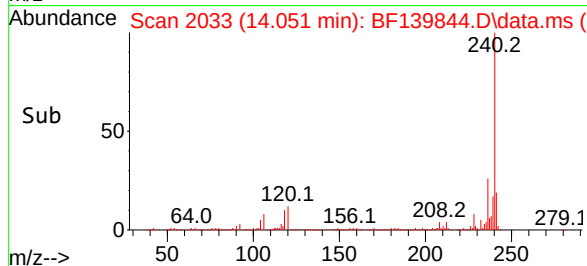
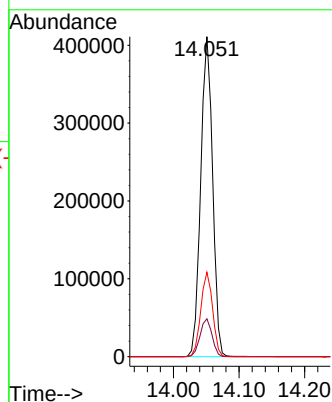
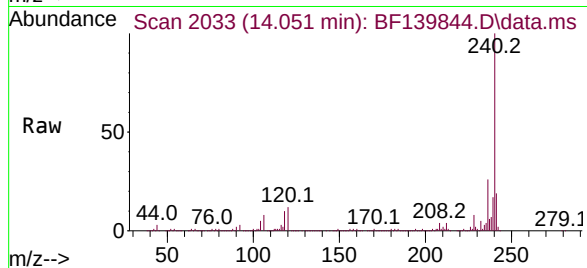




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.051 min Scan# 20  
Delta R.T. 0.000 min  
Lab File: BF139844.D  
Acq: 18 Oct 2024 10:27

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC2.5

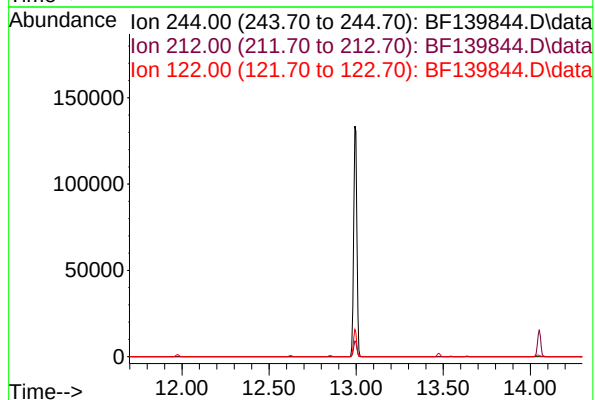
Tgt Ion:240 Resp: 519381  
Ion Ratio Lower Upper  
240 100  
120 11.9 9.4 14.2  
236 26.4 20.9 31.3

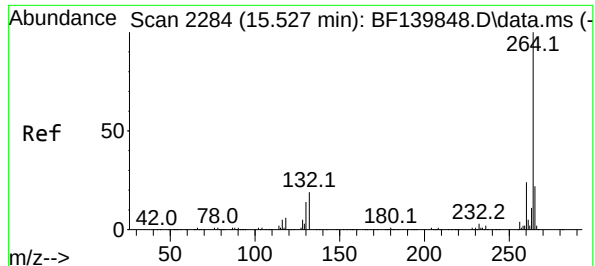


#79  
Terphenyl-d14  
Concen: 0.000 ng  
Expected RT: 13.00 min

Lab File: BF139844.D  
Acq: 18 Oct 2024 10:27

Tgt Ion: 244  
Sig Exp Ratio  
244 100  
212 7.1  
122 10.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.527 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF139844.D

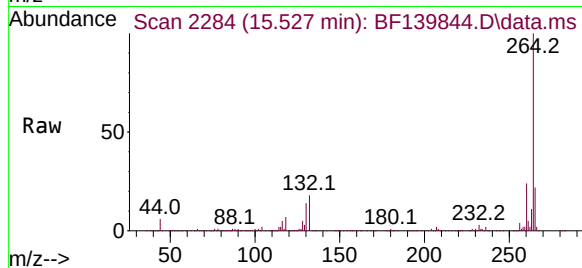
Acq: 18 Oct 2024 10:27

Instrument :

BNA\_F

ClientSampleId :

SSTDICC2.5



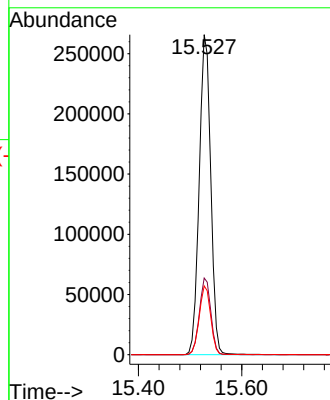
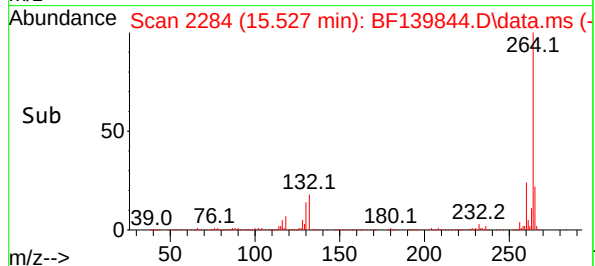
Tgt Ion:264 Resp: 410408

Ion Ratio Lower Upper

264 100

260 23.9 19.4 29.2

265 21.5 17.4 26.0



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF101824\  
 Data File : BF139845.D  
 Acq On : 18 Oct 2024 10:55  
 Operator : RC/JU  
 Sample : SSTDICC005  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDICC005

Quant Time: Oct 18 14:16:29 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101824.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Oct 18 14:11:20 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.887  | 152  | 189112   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.169  | 136  | 737062   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.928  | 164  | 414324   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.410 | 188  | 741430   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 14.051 | 240  | 477223   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12              | 15.527 | 264  | 377685   | 20.000 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.493  | 112  | 138495   | 11.465 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.493  | 99   | 179648   | 11.482 | ng    | -0.02    |
| 23) Nitrobenzene-d5           | 7.445  | 82   | 134439   | 10.109 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.710 | 330  | 41682    | 10.755 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.245  | 172  | 313171   | 12.492 | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.992 | 244  | 329424   | 11.248 | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.687  | 88   | 30759    | 5.461  | ng    | 97       |
| 3) Pyridine                   | 3.452  | 79   | 76703    | 5.494  | ng    | 98       |
| 4) n-Nitrosodimethylamine     | 3.375  | 42   | 38552    | 5.140  | ng    | # 96     |
| 6) Aniline                    | 6.545  | 93   | 79083    | 5.424  | ng    | 98       |
| 8) 2-Chlorophenol             | 6.669  | 128  | 71065    | 5.754  | ng    | 98       |
| 10) Phenol                    | 6.510  | 94   | 92287    | 5.620  | ng    | 95       |
| 11) bis(2-Chloroethyl)ether   | 6.616  | 93   | 69504    | 5.575  | ng    | 98       |
| 12) 1,3-Dichlorobenzene       | 6.828  | 146  | 81239    | 5.731  | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 6.904  | 146  | 81442    | 5.750  | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 7.057  | 146  | 78458    | 5.936  | ng    | 97       |
| 15) Benzyl Alcohol            | 7.016  | 79   | 64060    | 5.582  | ng    | 99       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.163  | 45   | 119350   | 5.614  | ng    | 100      |
| 17) 2-Methylphenol            | 7.122  | 107  | 59770    | 5.676  | ng    | 96       |
| 18) Hexachloroethane          | 7.404  | 117  | 27566    | 5.458  | ng    | 96       |
| 19) n-Nitroso-di-n-propyla... | 7.287  | 70   | 53958    | 5.686  | ng    | 97       |
| 20) 3+4-Methylphenols         | 7.275  | 107  | 79329    | 5.890  | ng    | 92       |
| 22) Acetophenone              | 7.287  | 105  | 106522   | 5.900  | ng    | 98       |
| 24) Nitrobenzene              | 7.463  | 77   | 76831    | 5.269  | ng    | 96       |
| 25) Isophorone                | 7.698  | 82   | 139084   | 5.510  | ng    | 100      |
| 26) 2-Nitrophenol             | 7.781  | 139  | 22867    | 4.157  | ng    | 95       |
| 27) 2,4-Dimethylphenol        | 7.810  | 122  | 52430    | 5.716  | ng    | 97       |
| 28) bis(2-Chloroethoxy)met... | 7.916  | 93   | 86298    | 5.643  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 8.016  | 162  | 56772    | 5.434  | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 8.110  | 180  | 64640    | 5.592  | ng    | 99       |
| 31) Naphthalene               | 8.192  | 128  | 222725   | 5.859  | ng    | 99       |
| 33) 4-Chloroaniline           | 8.234  | 127  | 73196    | 5.647  | ng    | 99       |
| 34) Hexachlorobutadiene       | 8.310  | 225  | 41186    | 5.670  | ng    | 97       |
| 35) Caprolactam               | 8.557  | 113  | 16989    | 5.114  | ng    | 98       |
| 36) 4-Chloro-3-methylphenol   | 8.704  | 107  | 62903    | 5.438  | ng    | 99       |
| 37) 2-Methylnaphthalene       | 8.881  | 142  | 136292   | 5.854  | ng    | 99       |
| 38) 1-Methylnaphthalene       | 8.981  | 142  | 133747   | 5.856  | ng    | 100      |
| 40) 1,2,4,5-Tetrachloroben... | 9.045  | 216  | 63046    | 5.640  | ng    | 100      |
| 41) Hexachlorocyclopentadiene | 9.039  | 237  | 19121    | 4.916  | ng    | 97       |
| 43) 2,4,6-Trichlorophenol     | 9.151  | 196  | 41997    | 5.307  | ng    | 98       |
| 44) 2,4,5-Trichlorophenol     | 9.187  | 196  | 44086    | 5.399  | ng    | 99       |
| 46) 1,1'-Biphenyl             | 9.345  | 154  | 169920   | 5.891  | ng    | 99       |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF101824\  
 Data File : BF139845.D  
 Acq On : 18 Oct 2024 10:55  
 Operator : RC/JU  
 Sample : SSTDICC005  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDICC005

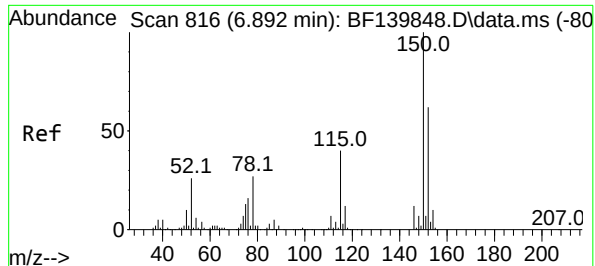
Quant Time: Oct 18 14:16:29 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101824.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Oct 18 14:11:20 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| 47) 2-Chloronaphthalene       | 9.369  | 162  | 133456   | 5.745 | ng    | 99       |
| 48) 2-Nitroaniline            | 9.457  | 65   | 30999    | 4.363 | ng    | 99       |
| 49) Acenaphthylene            | 9.786  | 152  | 192014   | 5.717 | ng    | 99       |
| 50) Dimethylphthalate         | 9.639  | 163  | 146096   | 5.661 | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 9.698  | 165  | 26490    | 4.741 | ng    | 96       |
| 52) Acenaphthene              | 9.957  | 154  | 124288   | 5.721 | ng    | 100      |
| 53) 3-Nitroaniline            | 9.863  | 138  | 27995    | 4.858 | ng    | # 94     |
| 55) Dibenzofuran              | 10.128 | 168  | 182985   | 5.870 | ng    | 98       |
| 56) 4-Nitrophenol             | 10.004 | 139  | 19402    | 4.376 | ng    | 89       |
| 57) 2,4-Dinitrotoluene        | 10.098 | 165  | 29038    | 4.226 | ng    | 92       |
| 58) Fluorene                  | 10.469 | 166  | 145913   | 6.146 | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.239 | 232  | 34636    | 5.411 | ng    | 97       |
| 60) Diethylphthalate          | 10.339 | 149  | 141466   | 5.583 | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 10.469 | 204  | 72331    | 6.033 | ng    | 96       |
| 62) 4-Nitroaniline            | 10.469 | 138  | 25747    | 4.731 | ng    | 96       |
| 63) Azobenzene                | 10.622 | 77   | 151158   | 5.627 | ng    | 99       |
| 66) n-Nitrosodiphenylamine    | 10.581 | 169  | 124472   | 5.609 | ng    | 100      |
| 67) 4-Bromophenyl-phenylether | 10.957 | 248  | 42707    | 5.591 | ng    | 94       |
| 68) Hexachlorobenzene         | 11.016 | 284  | 47895    | 5.575 | ng    | 98       |
| 69) Atrazine                  | 11.104 | 200  | 35075    | 5.835 | ng    | 99       |
| 70) Pentachlorophenol         | 11.210 | 266  | 21781    | 4.178 | ng    | 93       |
| 71) Phenanthrene              | 11.433 | 178  | 207716   | 5.931 | ng    | 98       |
| 72) Anthracene                | 11.486 | 178  | 200621   | 5.871 | ng    | 99       |
| 73) Carbazole                 | 11.639 | 167  | 185743   | 5.845 | ng    | 99       |
| 74) Di-n-butylphthalate       | 11.975 | 149  | 204647   | 5.574 | ng    | 99       |
| 75) Fluoranthene              | 12.622 | 202  | 213038   | 6.017 | ng    | 100      |
| 77) Benzidine                 | 12.745 | 184  | 54501    | 7.022 | ng    | 99       |
| 78) Pyrene                    | 12.851 | 202  | 225742   | 5.404 | ng    | 99       |
| 80) Butylbenzylphthalate      | 13.474 | 149  | 58502    | 4.671 | ng    | 100      |
| 81) Benzo(a)anthracene        | 14.039 | 228  | 170026   | 5.473 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 14.004 | 252  | 43937    | 4.851 | ng    | 100      |
| 83) Chrysene                  | 14.074 | 228  | 158121   | 5.551 | ng    | 98       |
| 84) Bis(2-ethylhexyl)phtha... | 14.033 | 149  | 62085    | 4.419 | ng    | 97       |
| 87) Indeno(1,2,3-cd)pyrene    | 17.010 | 276  | 114185   | 4.699 | ng    | 98       |
| 88) Benzo(b)fluoranthene      | 15.092 | 252  | 124353   | 5.405 | ng    | 100      |
| 89) Benzo(k)fluoranthene      | 15.121 | 252  | 114525   | 5.772 | ng    | 99       |
| 90) Benzo(a)pyrene            | 15.463 | 252  | 97243    | 5.137 | ng    | 100      |
| 91) Dibenzo(a,h)anthracene    | 17.033 | 278  | 96416    | 4.757 | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 17.457 | 276  | 97292    | 4.805 | ng    | 99       |

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

**Instrument :**  
BNA\_F  
**ClientSampleId :**  
SSTDICC005

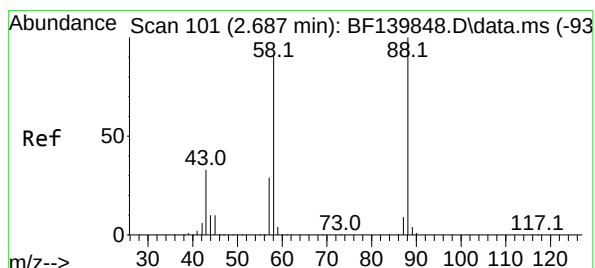
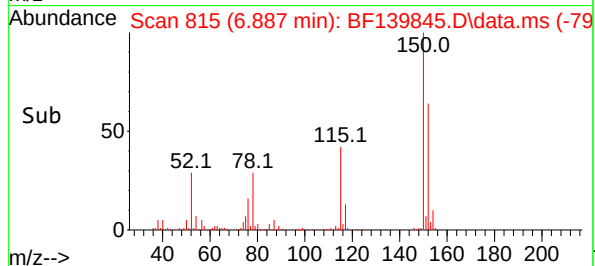
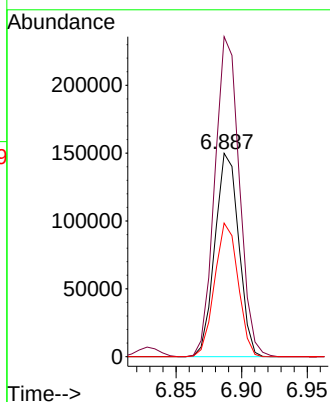
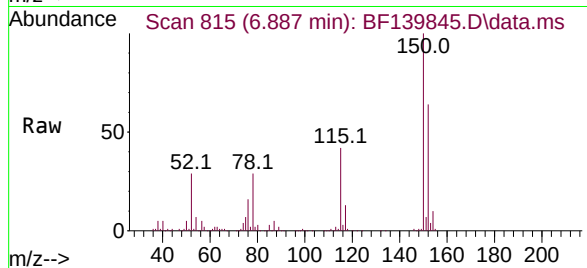
[illegible]



#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.887 min Scan# 816  
Delta R.T. -0.005 min  
Lab File: BF139845.D  
Acq: 18 Oct 2024 10:55

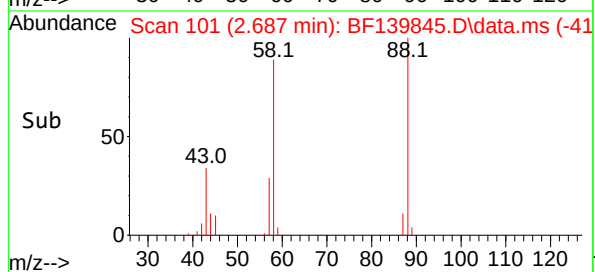
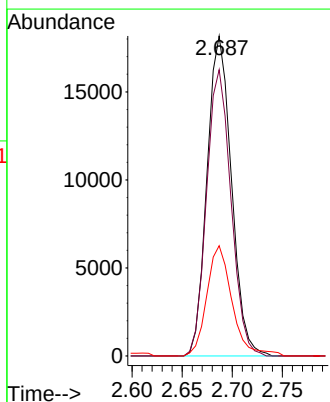
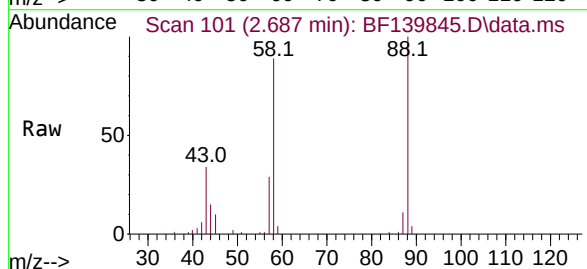
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDIC005

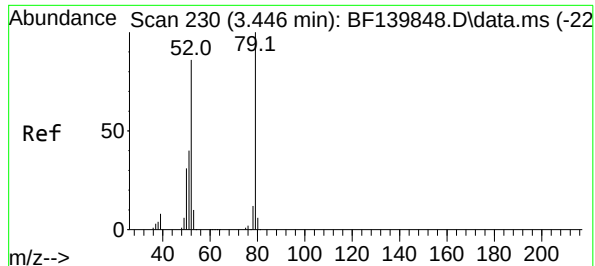
Tgt Ion:152 Resp: 189112  
Ion Ratio Lower Upper  
152 100  
150 157.4 130.2 195.2  
115 65.7 51.4 77.2



#2  
1,4-Dioxane  
Concen: 5.461 ng  
RT: 2.687 min Scan# 101  
Delta R.T. 0.000 min  
Lab File: BF139845.D  
Acq: 18 Oct 2024 10:55

Tgt Ion: 88 Resp: 30759  
Ion Ratio Lower Upper  
88 100  
58 89.3 73.3 109.9  
43 35.6 27.1 40.7





#3

Pyridine

Concen: 5.494 ng

RT: 3.452 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF139845.D

Acq: 18 Oct 2024 10:55

Instrument :

BNA\_F

ClientSampleId :

SSTDICC005

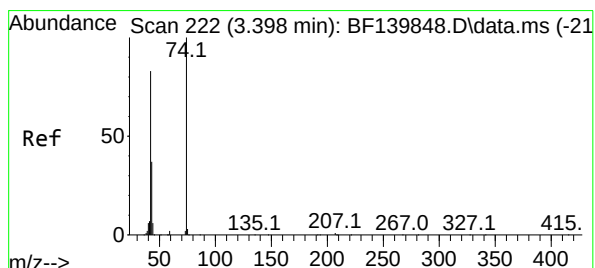
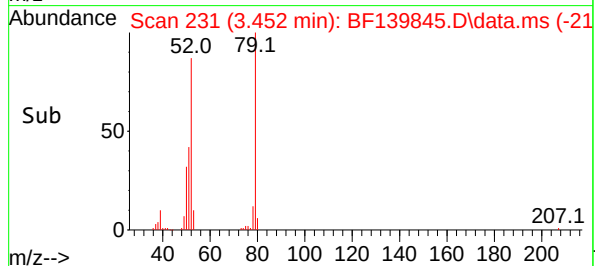
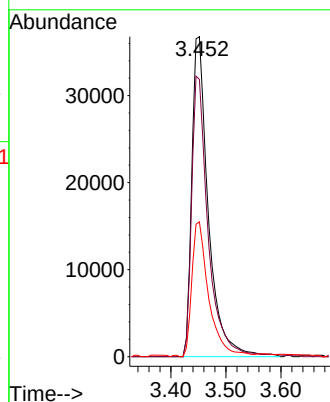
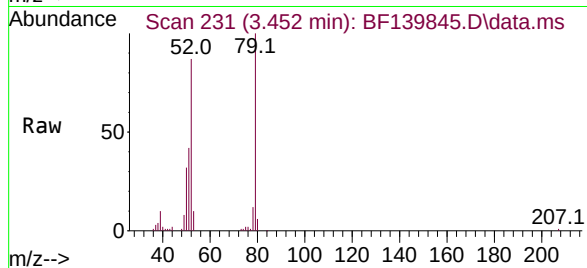
Tgt Ion: 79 Resp: 76703

Ion Ratio Lower Upper

79 100

52 86.7 68.5 102.7

51 42.2 32.3 48.5



#4

n-Nitrosodimethylamine

Concen: 5.140 ng

RT: 3.375 min Scan# 218

Delta R.T. -0.023 min

Lab File: BF139845.D

Acq: 18 Oct 2024 10:55

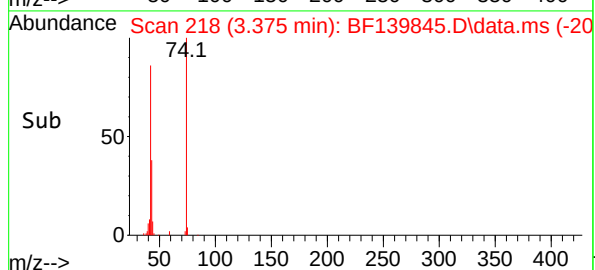
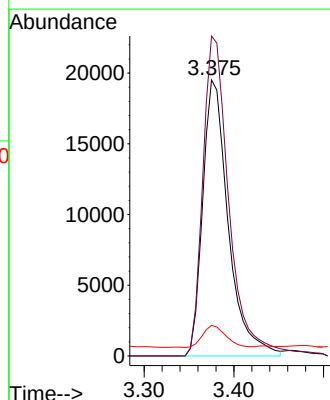
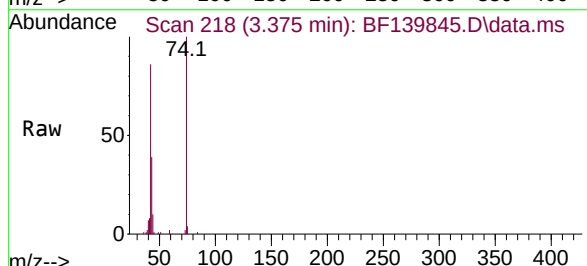
Tgt Ion: 42 Resp: 38552

Ion Ratio Lower Upper

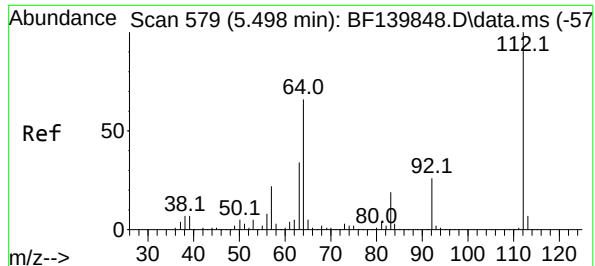
42 100

74 115.9 96.2 144.4

44 11.0 6.2 9.2#



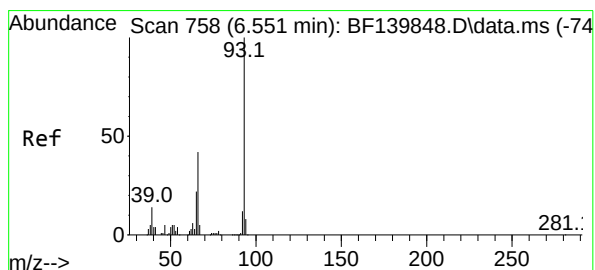
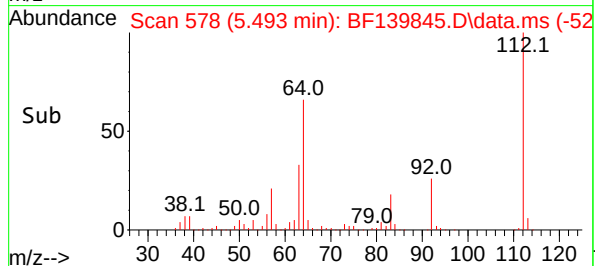
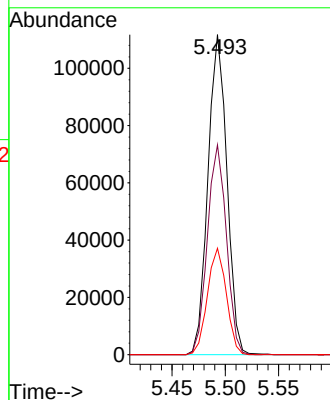
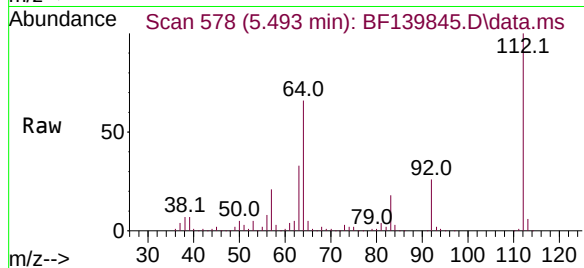




#5  
2-Fluorophenol  
Concen: 11.465 ng  
RT: 5.493 min Scan# 51  
Delta R.T. -0.006 min  
Lab File: BF139845.D  
Acq: 18 Oct 2024 10:55

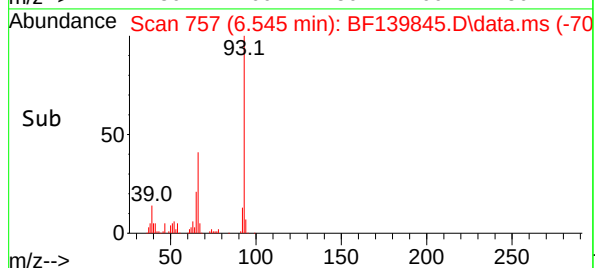
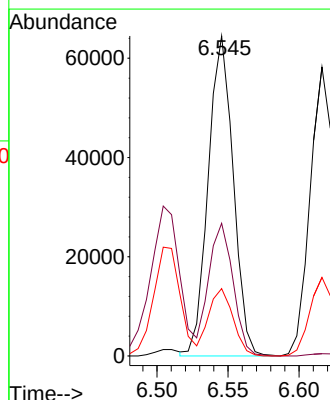
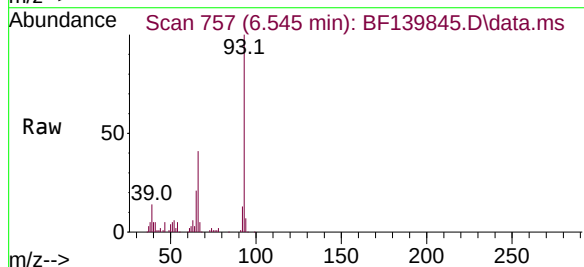
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC005

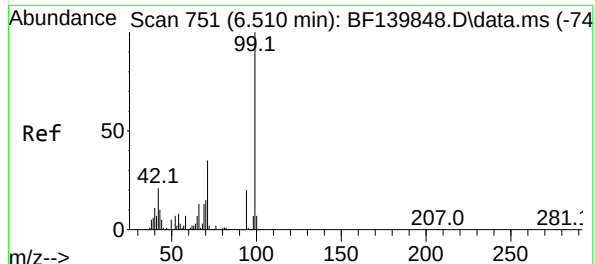
Tgt Ion:112 Resp: 138495  
Ion Ratio Lower Upper  
112 100  
64 65.5 53.0 79.6  
63 33.2 27.0 40.4



#6  
Aniline  
Concen: 5.424 ng  
RT: 6.545 min Scan# 757  
Delta R.T. -0.006 min  
Lab File: BF139845.D  
Acq: 18 Oct 2024 10:55

Tgt Ion: 93 Resp: 79083  
Ion Ratio Lower Upper  
93 100  
66 41.4 34.0 51.0  
65 21.1 17.4 26.0

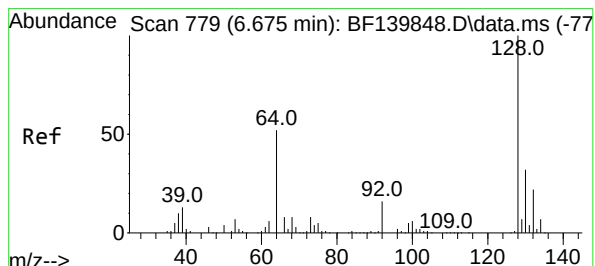
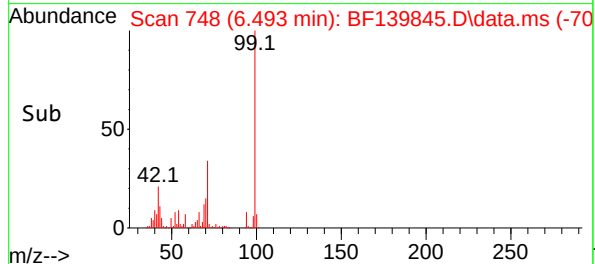
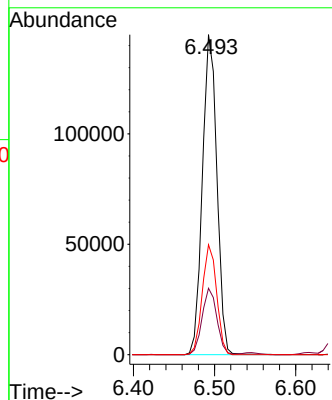
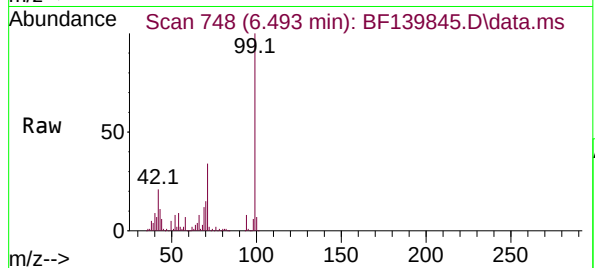




#7  
Phenol-d6  
Concen: 11.482 ng  
RT: 6.493 min Scan# 748  
Delta R.T. -0.017 min  
Lab File: BF139845.D  
Acq: 18 Oct 2024 10:55

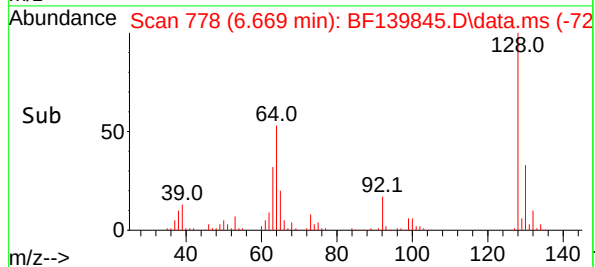
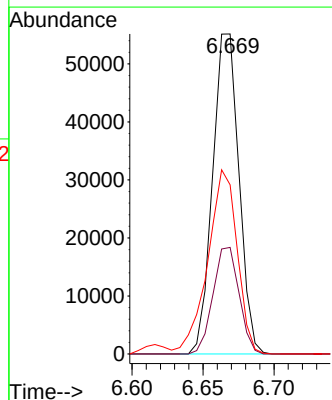
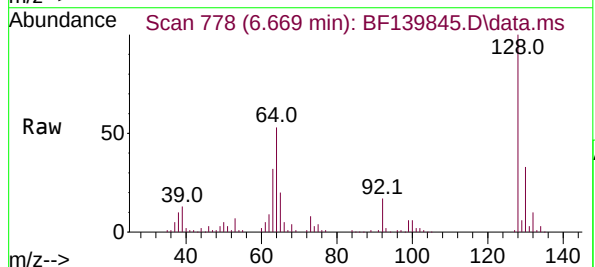
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC005

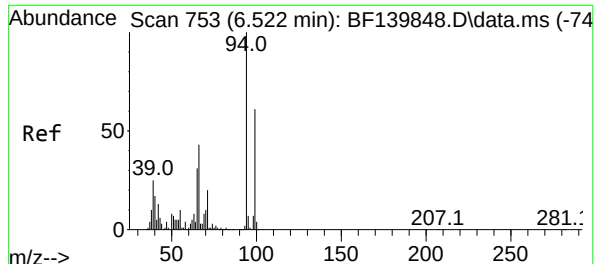
Tgt Ion: 99 Resp: 179648  
Ion Ratio Lower Upper  
99 100  
42 20.7 16.7 25.1  
71 34.3 27.7 41.5



#8  
2-Chlorophenol  
Concen: 5.754 ng  
RT: 6.669 min Scan# 778  
Delta R.T. -0.006 min  
Lab File: BF139845.D  
Acq: 18 Oct 2024 10:55

Tgt Ion: 128 Resp: 71065  
Ion Ratio Lower Upper  
128 100  
130 33.3 12.3 52.3  
64 52.8 34.6 74.6

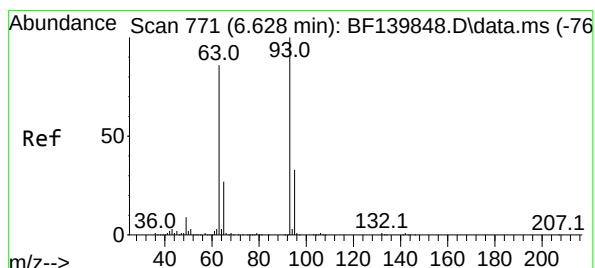
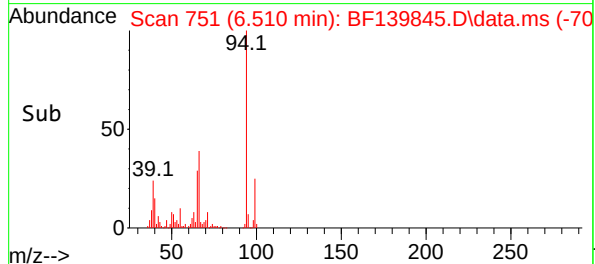
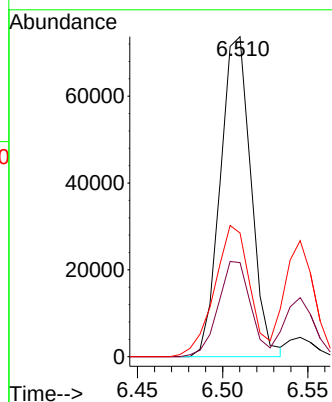
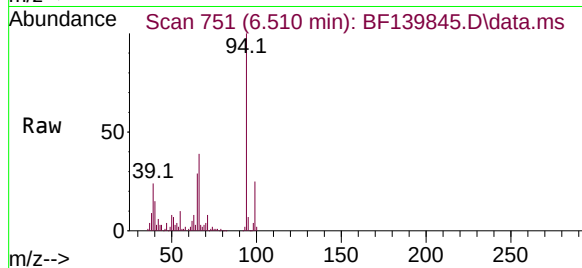




#10  
Phenol  
Concen: 5.620 ng  
RT: 6.510 min Scan# 710  
Delta R.T. -0.012 min  
Lab File: BF139845.D  
Acq: 18 Oct 2024 10:55

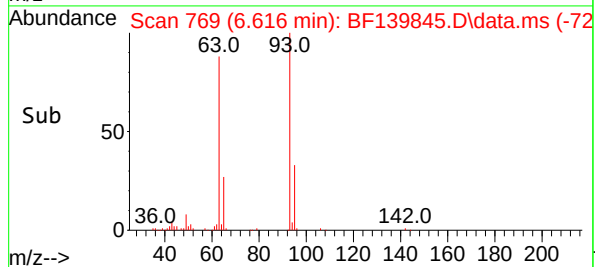
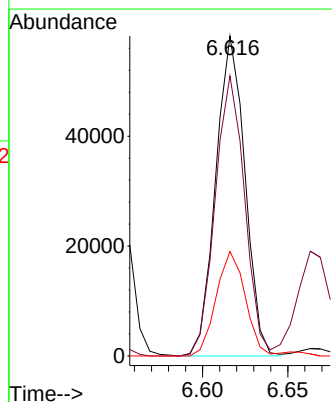
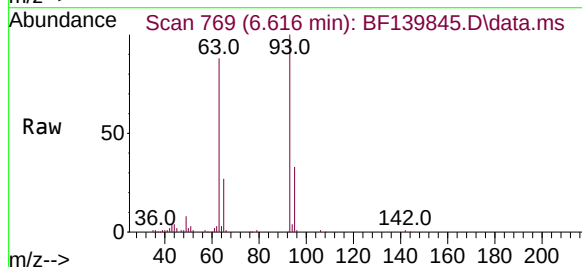
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC005

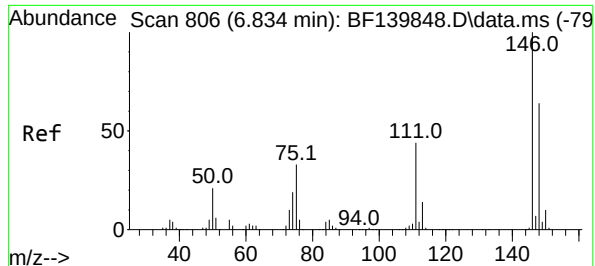
Tgt Ion: 94 Resp: 92287  
Ion Ratio Lower Upper  
94 100  
65 29.4 11.1 51.1  
66 38.6 22.7 62.7



#11  
bis(2-Chloroethyl)ether  
Concen: 5.575 ng  
RT: 6.616 min Scan# 769  
Delta R.T. -0.012 min  
Lab File: BF139845.D  
Acq: 18 Oct 2024 10:55

Tgt Ion: 93 Resp: 69504  
Ion Ratio Lower Upper  
93 100  
63 87.5 65.0 105.0  
95 32.6 12.4 52.4





#12

1,3-Dichlorobenzene

Concen: 5.731 ng

RT: 6.828 min Scan# 805

Delta R.T. -0.006 min

Lab File: BF139845.D

Acq: 18 Oct 2024 10:55

Instrument :

BNA\_F

ClientSampleId :

SSTDICC005

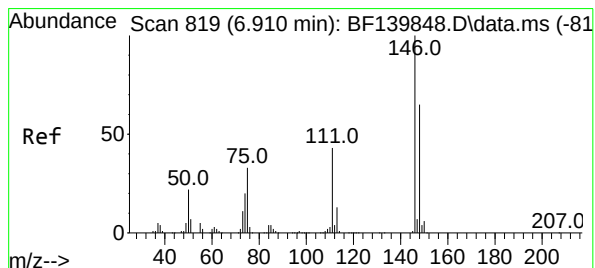
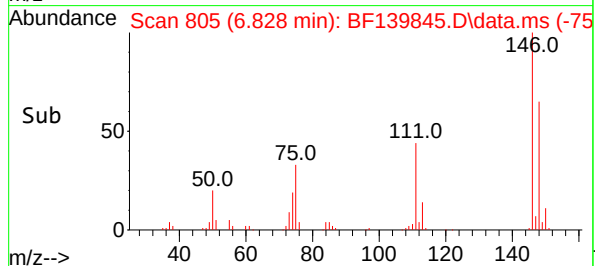
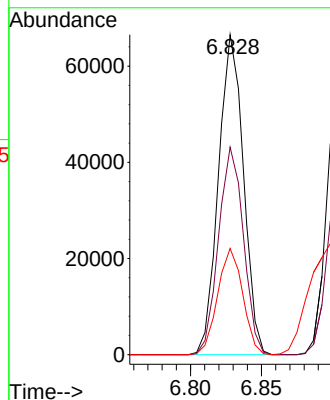
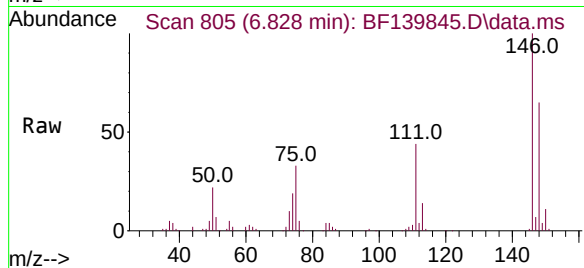
Tgt Ion:146 Resp: 81239

Ion Ratio Lower Upper

146 100

148 64.8 51.0 76.4

75 33.2 26.4 39.6



#13

1,4-Dichlorobenzene

Concen: 5.750 ng

RT: 6.904 min Scan# 818

Delta R.T. -0.006 min

Lab File: BF139845.D

Acq: 18 Oct 2024 10:55

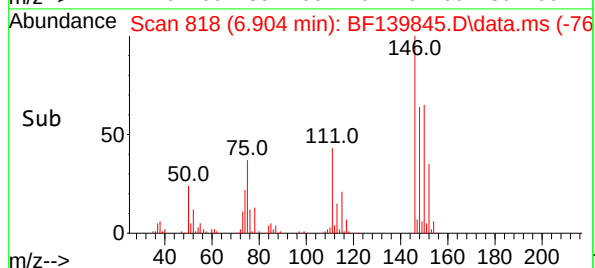
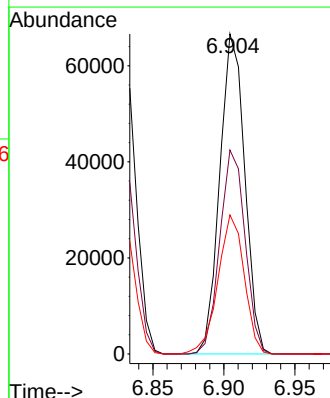
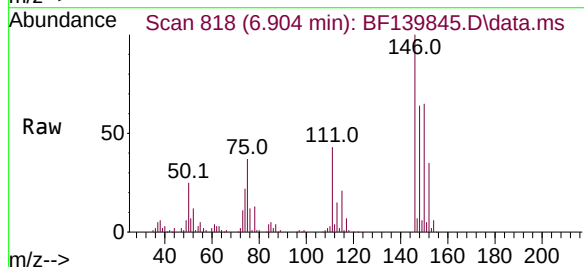
Tgt Ion:146 Resp: 81442

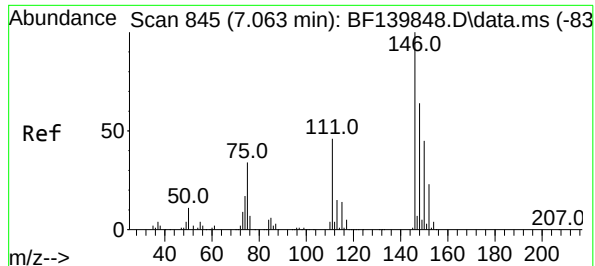
Ion Ratio Lower Upper

146 100

148 63.7 51.8 77.8

111 43.5 34.6 51.8





#14

1,2-Dichlorobenzene

Concen: 5.936 ng

RT: 7.057 min Scan# 84

Delta R.T. -0.006 min

Lab File: BF139845.D

Acq: 18 Oct 2024 10:55

Instrument :

BNA\_F

ClientSampleId :

SSTDICC005

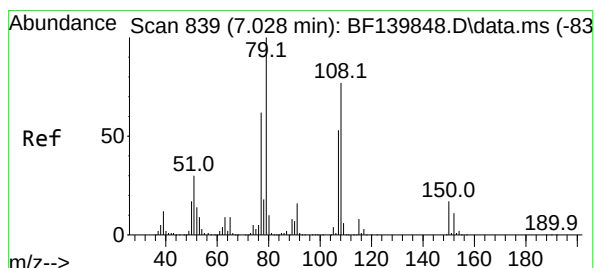
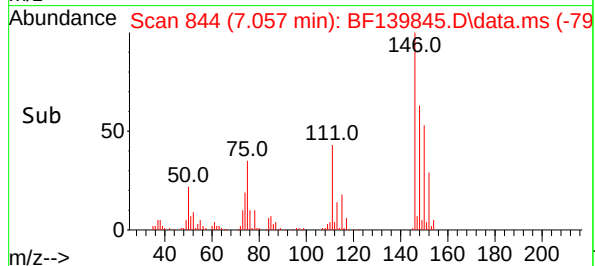
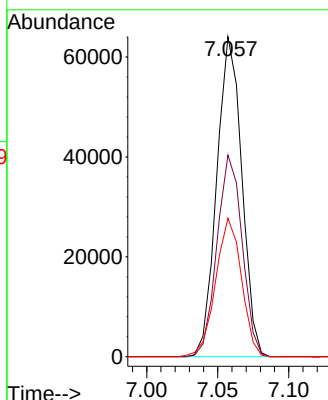
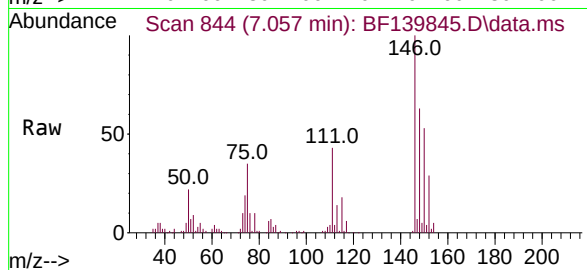
Tgt Ion:146 Resp: 78458

Ion Ratio Lower Upper

146 100

148 63.0 51.4 77.2

111 43.3 36.7 55.1



#15

Benzyl Alcohol

Concen: 5.582 ng

RT: 7.016 min Scan# 837

Delta R.T. -0.012 min

Lab File: BF139845.D

Acq: 18 Oct 2024 10:55

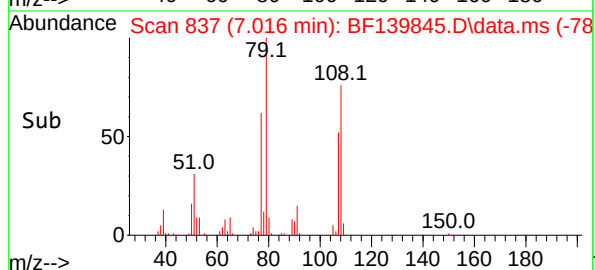
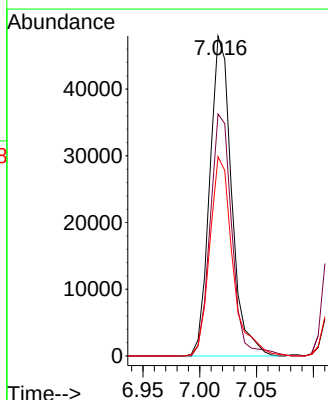
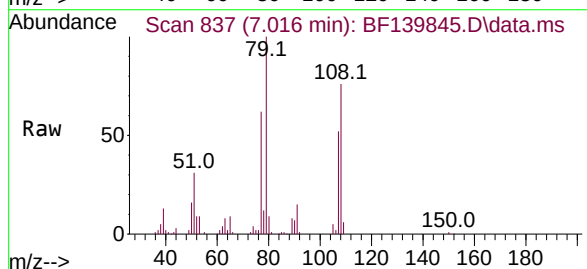
Tgt Ion: 79 Resp: 64060

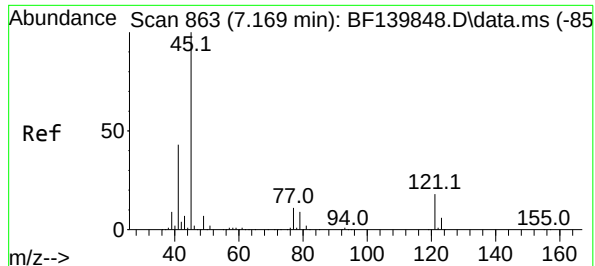
Ion Ratio Lower Upper

79 100

108 75.6 61.4 92.0

77 62.3 49.9 74.9

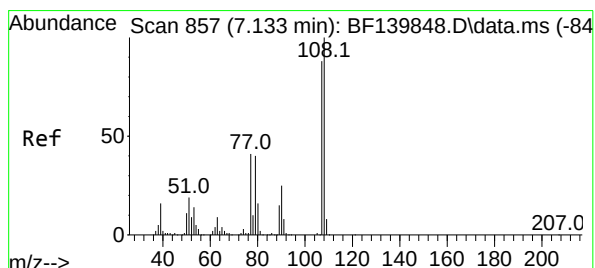
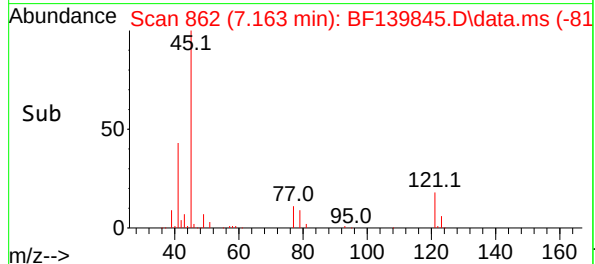
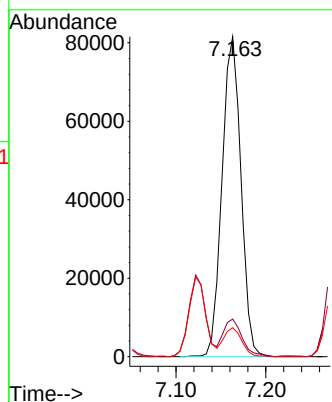
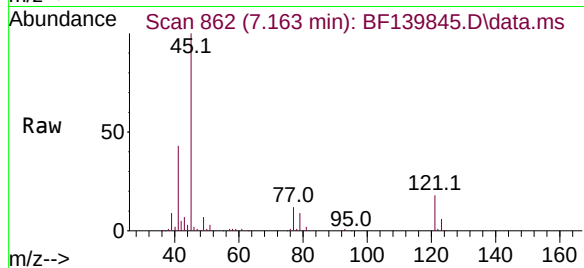




#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 5.614 ng  
RT: 7.163 min Scan# 862  
Delta R.T. -0.006 min  
Lab File: BF139845.D  
Acq: 18 Oct 2024 10:55

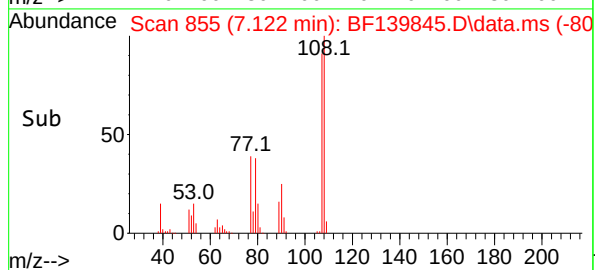
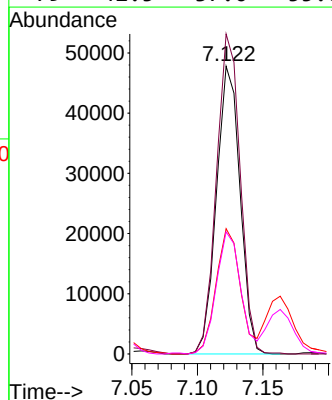
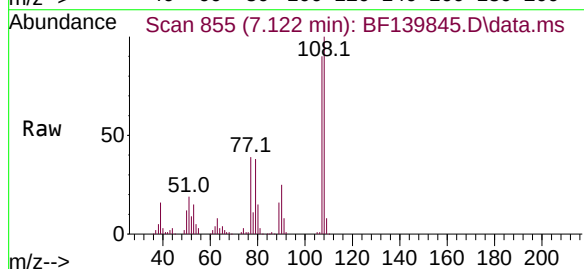
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC005

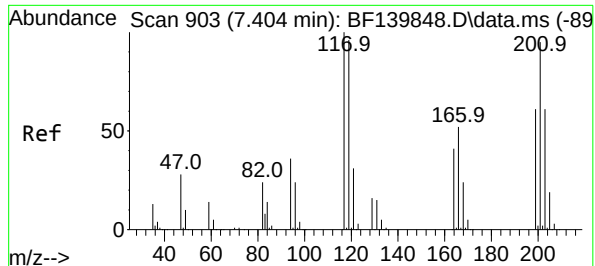
Tgt Ion: 45 Resp: 119350  
Ion Ratio Lower Upper  
45 100  
77 11.8 0.0 31.5  
79 9.1 0.0 29.1



#17  
2-Methylphenol  
Concen: 5.676 ng  
RT: 7.122 min Scan# 855  
Delta R.T. -0.012 min  
Lab File: BF139845.D  
Acq: 18 Oct 2024 10:55

Tgt Ion: 107 Resp: 59770  
Ion Ratio Lower Upper  
107 100  
108 111.2 91.3 136.9  
77 43.6 37.1 55.7  
79 42.5 37.0 55.6

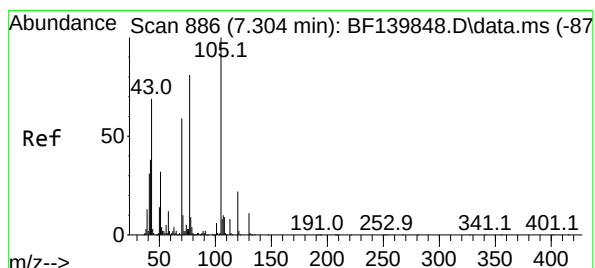
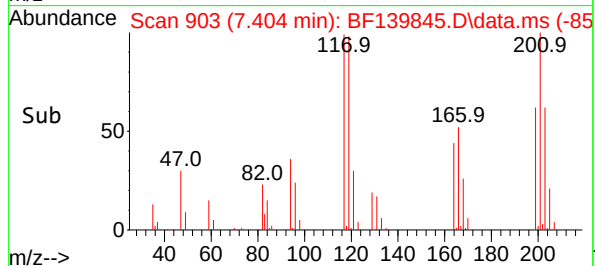
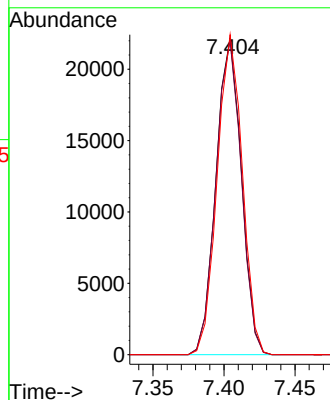
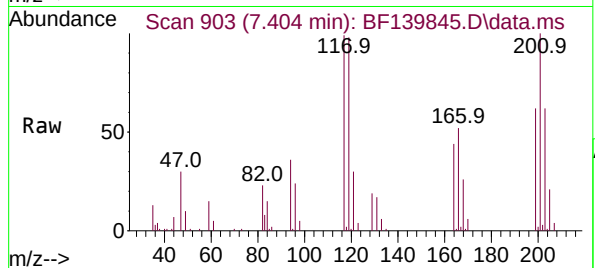




#18  
Hexachloroethane  
Concen: 5.458 ng  
RT: 7.404 min Scan# 90  
Delta R.T. 0.000 min  
Lab File: BF139845.D  
Acq: 18 Oct 2024 10:55

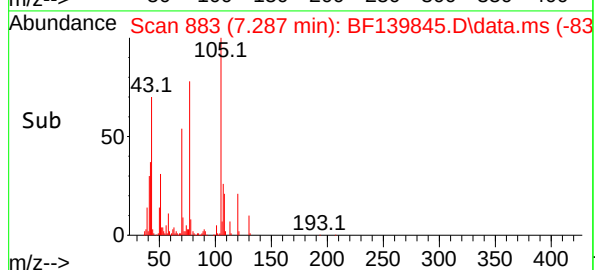
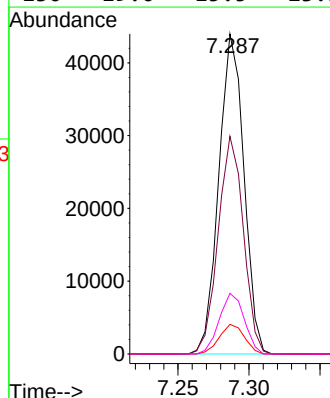
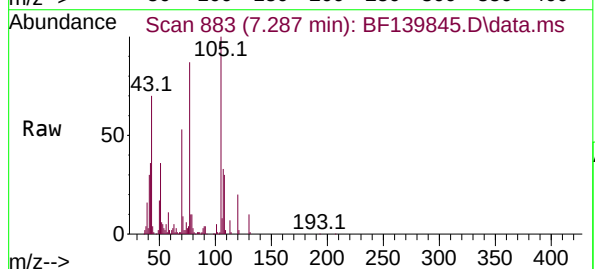
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC005

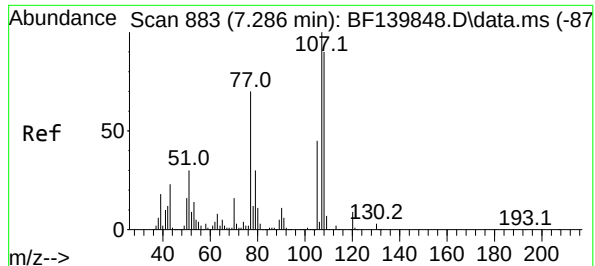
Tgt Ion:117 Resp: 27566  
Ion Ratio Lower Upper  
117 100  
119 99.1 77.0 115.4  
201 101.0 76.2 114.4



#19  
n-Nitroso-di-n-propylamine  
Concen: 5.686 ng  
RT: 7.287 min Scan# 883  
Delta R.T. -0.017 min  
Lab File: BF139845.D  
Acq: 18 Oct 2024 10:55

Tgt Ion: 70 Resp: 53958  
Ion Ratio Lower Upper  
70 100  
42 68.0 51.5 77.3  
101 9.2 7.5 11.3  
130 19.0 15.5 23.3

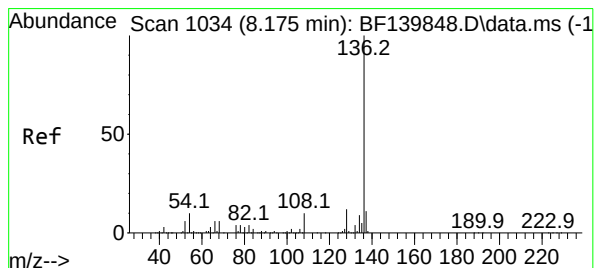
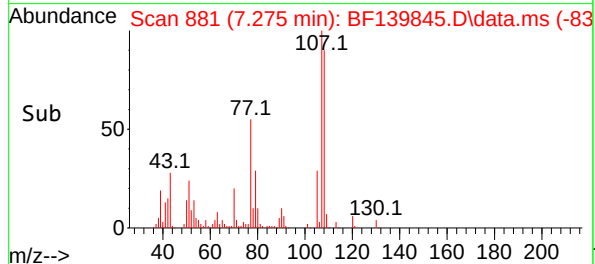
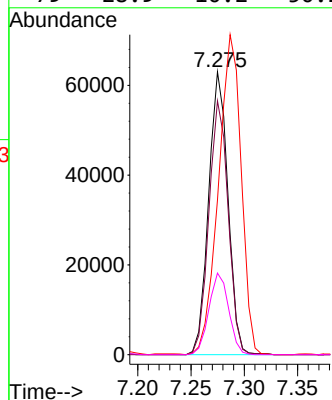
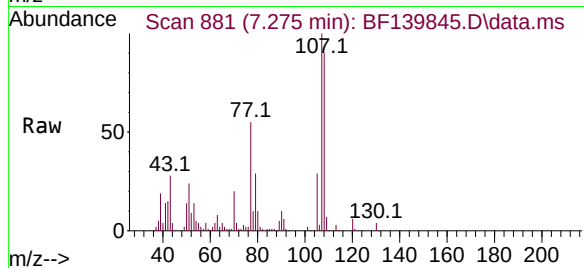




#20  
3+4-Methylphenols  
Concen: 5.890 ng  
RT: 7.275 min Scan# 81  
Delta R.T. -0.012 min  
Lab File: BF139845.D  
Acq: 18 Oct 2024 10:55

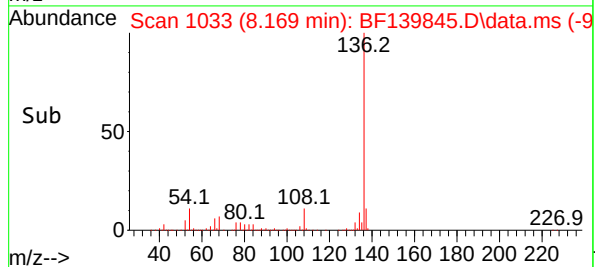
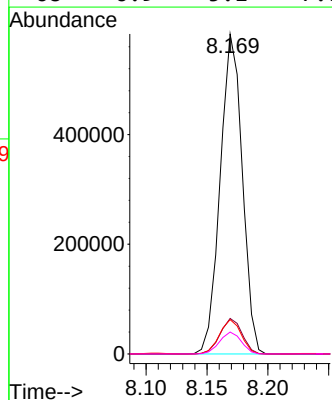
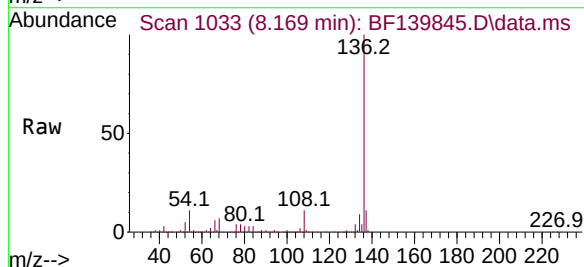
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC005

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:107 | Resp: | 79329       |
| Ion         | Ratio | Lower Upper |
| 107         | 100   |             |
| 108         | 89.7  | 69.8 109.8  |
| 77          | 54.7  | 50.5 90.5   |
| 79          | 28.9  | 10.2 50.2   |

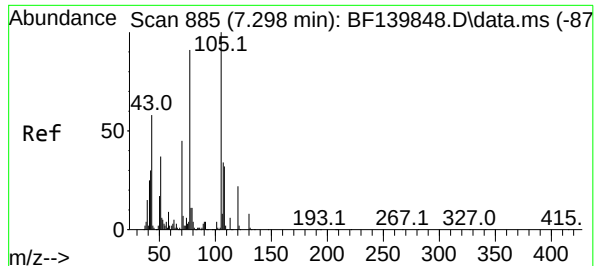


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.169 min Scan# 1033  
Delta R.T. -0.006 min  
Lab File: BF139845.D  
Acq: 18 Oct 2024 10:55

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:136 | Resp: | 737062      |
| Ion         | Ratio | Lower Upper |
| 136         | 100   |             |
| 137         | 11.1  | 8.6 12.8    |
| 54          | 10.7  | 8.4 12.6    |
| 68          | 6.9   | 5.1 7.7     |







#22

Acetophenone

Concen: 5.900 ng

RT: 7.287 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF139845.D

Acq: 18 Oct 2024 10:55

Instrument :

BNA\_F

ClientSampleId :

SSTDICC005

Tgt Ion:105 Resp: 106522

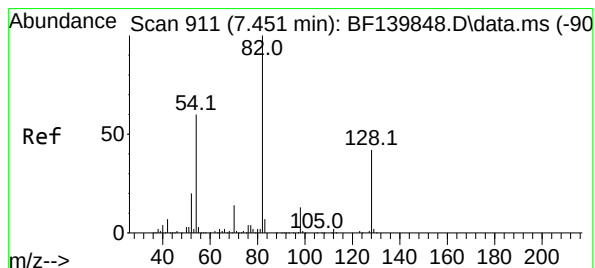
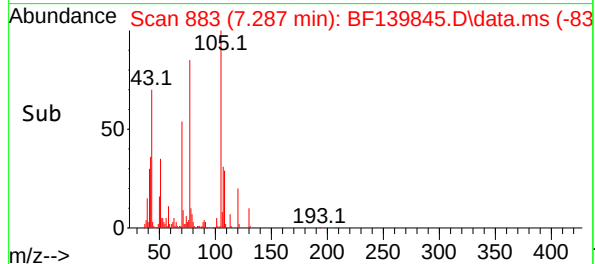
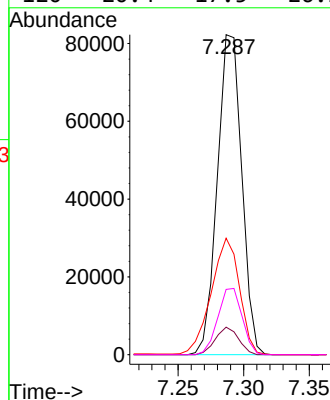
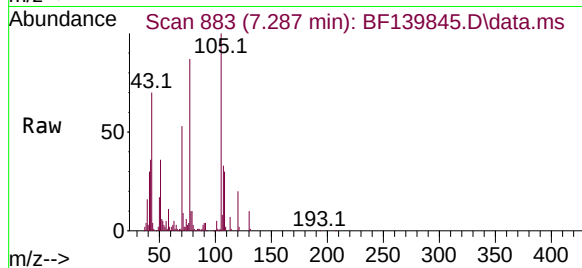
Ion Ratio Lower Upper

105 100

71 8.6 5.9 8.9

51 36.4 29.4 44.2

120 20.4 17.5 26.3



#23

Nitrobenzene-d5

Concen: 10.109 ng

RT: 7.445 min Scan# 910

Delta R.T. -0.006 min

Lab File: BF139845.D

Acq: 18 Oct 2024 10:55

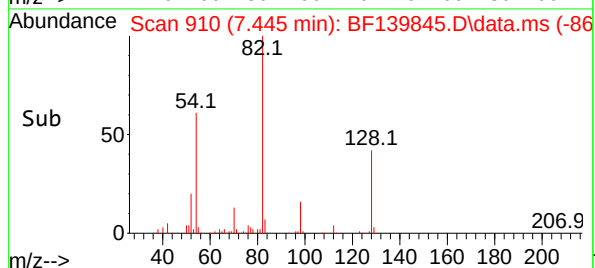
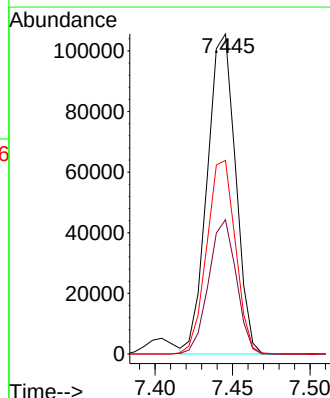
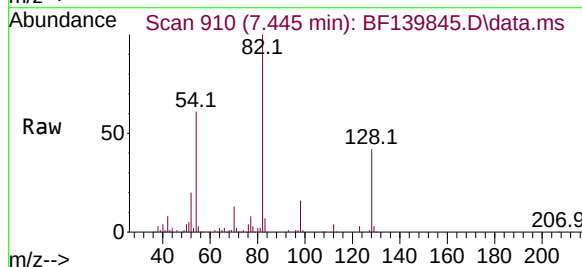
Tgt Ion: 82 Resp: 134439

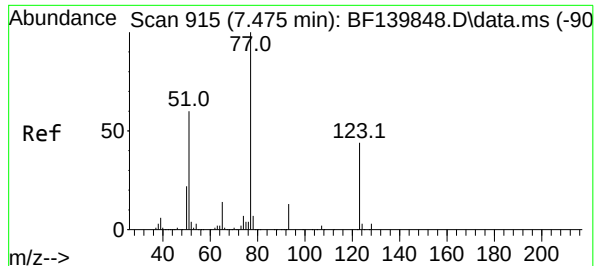
Ion Ratio Lower Upper

82 100

128 42.0 33.4 50.0

54 60.5 47.8 71.8

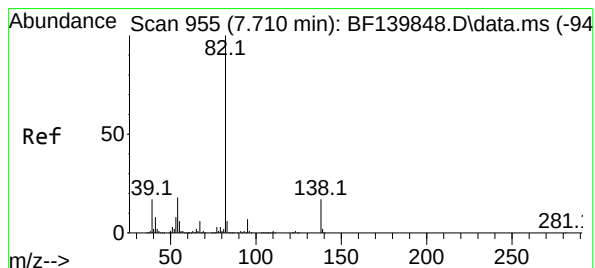
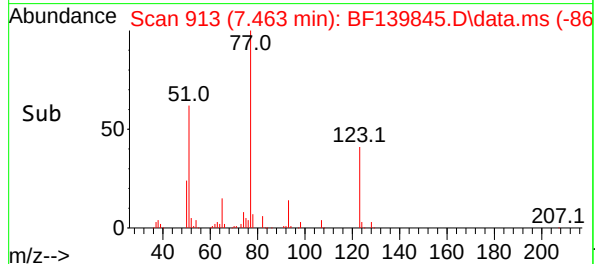
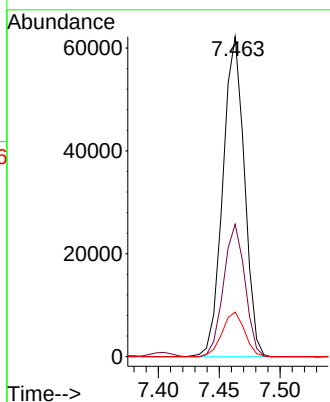
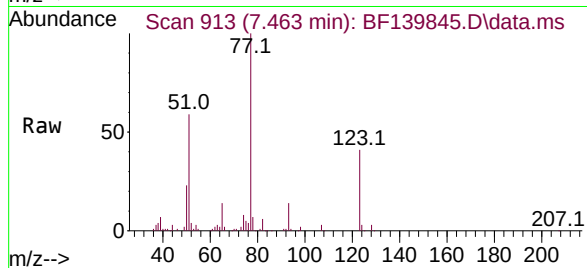




#24  
Nitrobenzene  
Concen: 5.269 ng  
RT: 7.463 min Scan# 915  
Delta R.T. -0.012 min  
Lab File: BF139845.D  
Acq: 18 Oct 2024 10:55

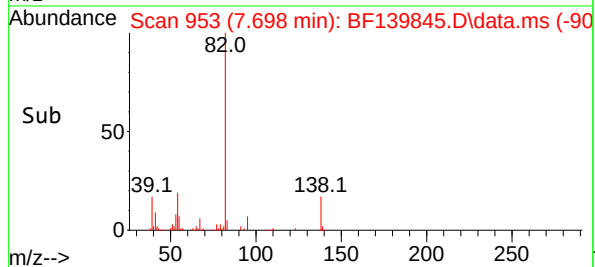
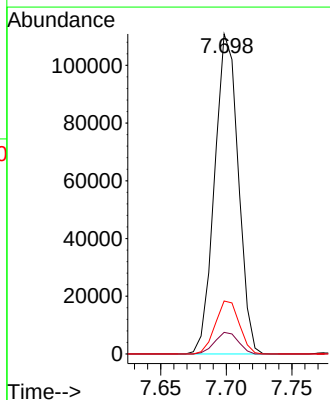
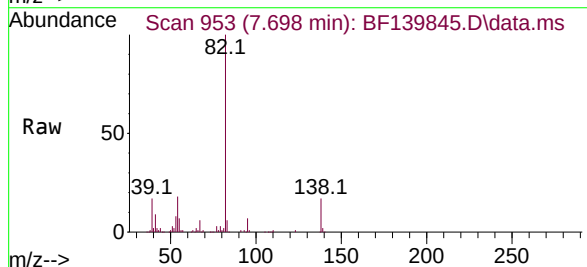
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC005

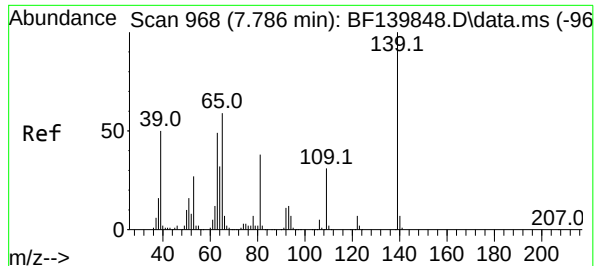
Tgt Ion: 77 Resp: 76831  
Ion Ratio Lower Upper  
77 100  
123 41.4 35.7 53.5  
65 14.0 11.5 17.3



#25  
Isophorone  
Concen: 5.510 ng  
RT: 7.698 min Scan# 953  
Delta R.T. -0.012 min  
Lab File: BF139845.D  
Acq: 18 Oct 2024 10:55

Tgt Ion: 82 Resp: 139084  
Ion Ratio Lower Upper  
82 100  
95 6.8 5.5 8.3  
138 16.5 13.2 19.8





#26

2-Nitrophenol

Concen: 4.157 ng

RT: 7.781 min Scan# 9

Delta R.T. -0.006 min

Lab File: BF139845.D

Acq: 18 Oct 2024 10:55

Instrument :

BNA\_F

ClientSampleId :

SSTDICC005

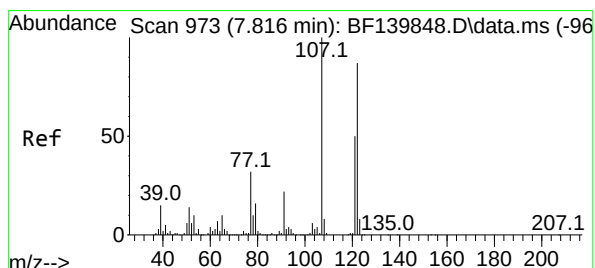
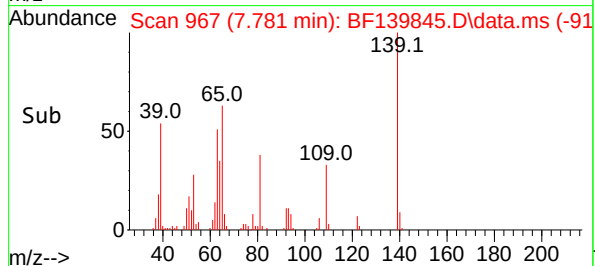
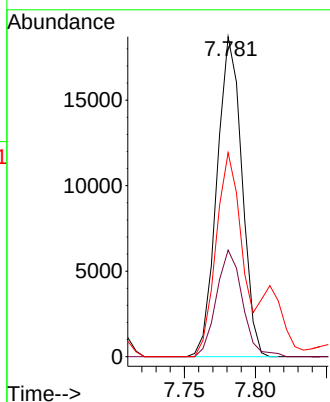
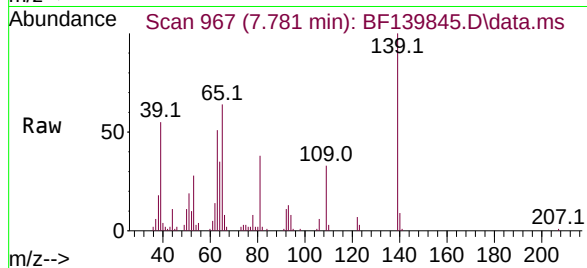
Tgt Ion:139 Resp: 22867

Ion Ratio Lower Upper

139 100

109 33.3 25.1 37.7

65 63.8 47.5 71.3



#27

2,4-Dimethylphenol

Concen: 5.716 ng

RT: 7.810 min Scan# 972

Delta R.T. -0.006 min

Lab File: BF139845.D

Acq: 18 Oct 2024 10:55

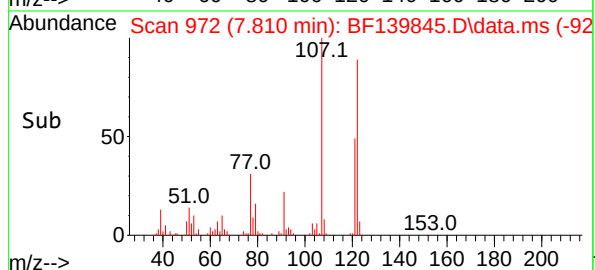
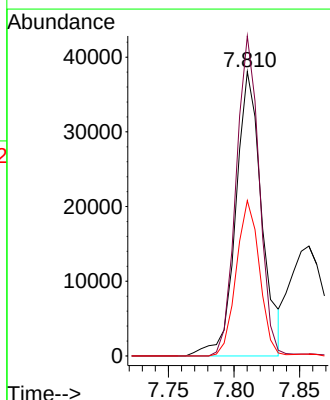
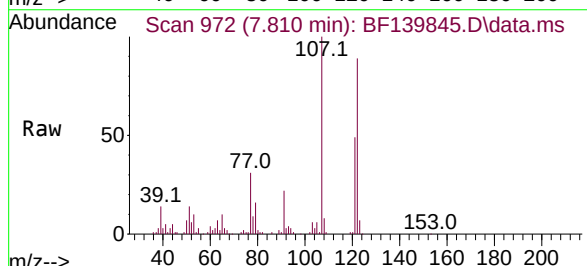
Tgt Ion:122 Resp: 52430

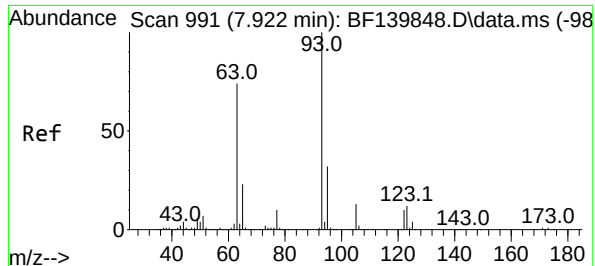
Ion Ratio Lower Upper

122 100

107 112.5 91.9 137.9

121 54.7 46.2 69.4





#28

bis(2-Chloroethoxy)methane

Concen: 5.643 ng

RT: 7.916 min Scan# 991

Delta R.T. -0.006 min

Lab File: BF139845.D

Acq: 18 Oct 2024 10:55

Instrument :

BNA\_F

ClientSampleId :

SSTDICC005

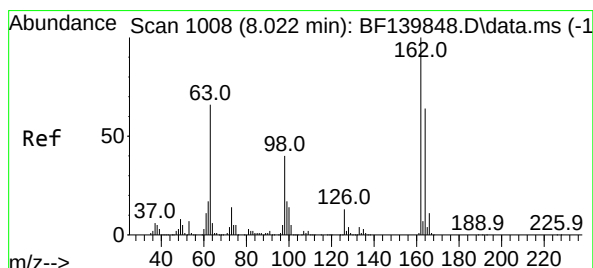
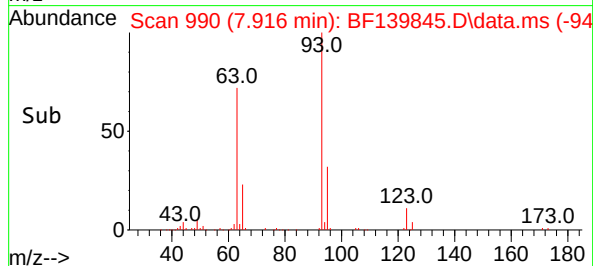
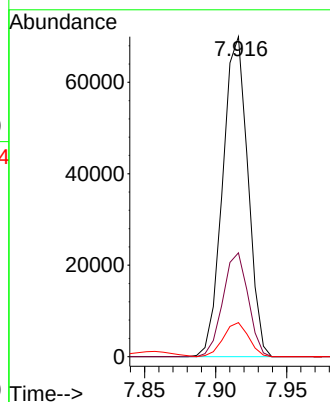
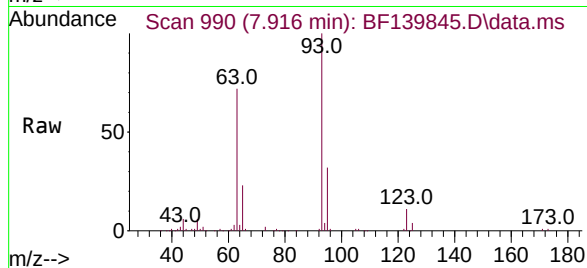
Tgt Ion: 93 Resp: 86298

Ion Ratio Lower Upper

93 100

95 32.5 26.0 39.0

123 10.6 9.8 14.8



#29

2,4-Dichlorophenol

Concen: 5.434 ng

RT: 8.016 min Scan# 1007

Delta R.T. -0.006 min

Lab File: BF139845.D

Acq: 18 Oct 2024 10:55

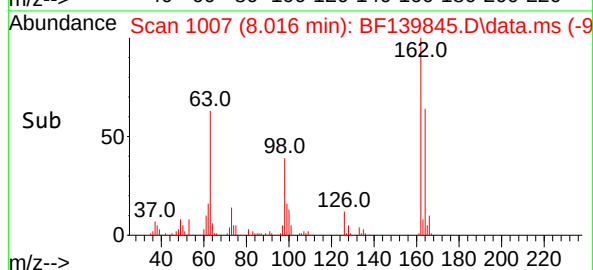
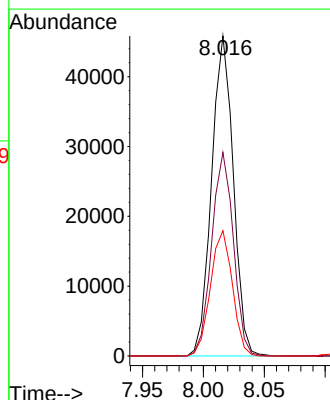
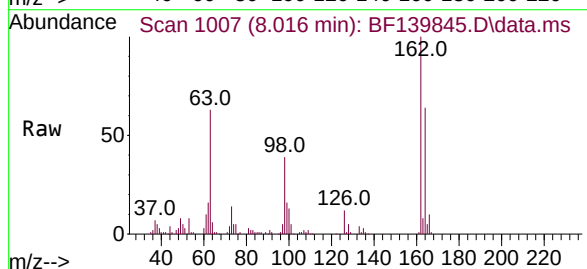
Tgt Ion: 162 Resp: 56772

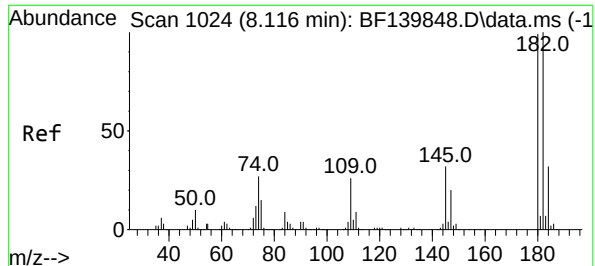
Ion Ratio Lower Upper

162 100

164 63.6 43.9 83.9

98 39.2 19.9 59.9





#30

1,2,4-Trichlorobenzene

Concen: 5.592 ng

RT: 8.110 min Scan# 1024

Delta R.T. -0.006 min

Lab File: BF139845.D

Acq: 18 Oct 2024 10:55

Instrument :

BNA\_F

ClientSampleId :

SSTDICC005

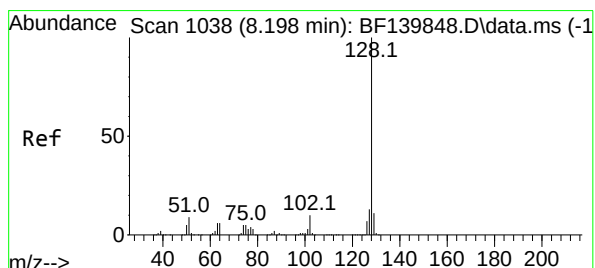
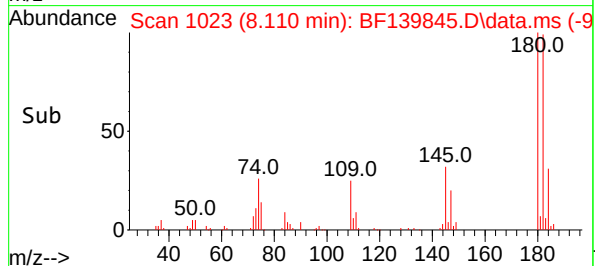
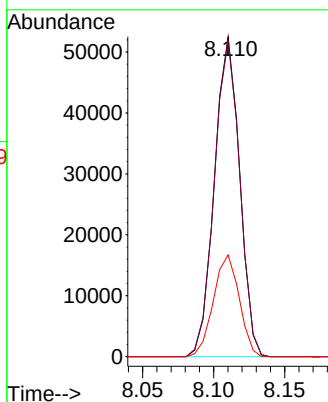
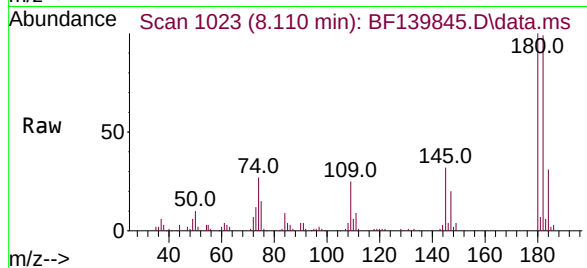
Tgt Ion:180 Resp: 64640

Ion Ratio Lower Upper

180 100

182 98.8 80.5 120.7

145 31.8 25.4 38.0



#31

Naphthalene

Concen: 5.859 ng

RT: 8.192 min Scan# 1037

Delta R.T. -0.006 min

Lab File: BF139845.D

Acq: 18 Oct 2024 10:55

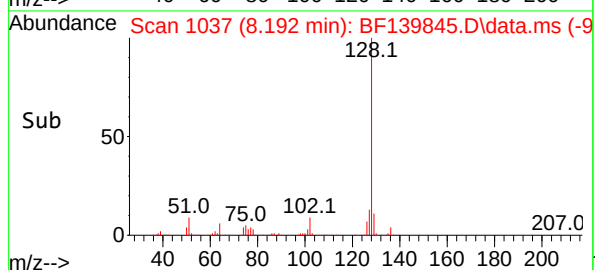
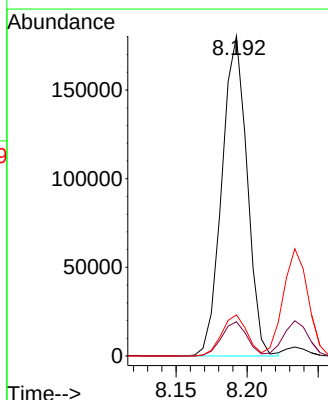
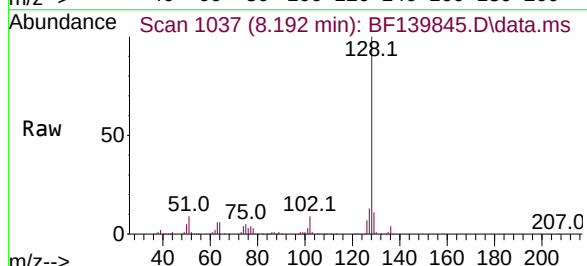
Tgt Ion:128 Resp: 222725

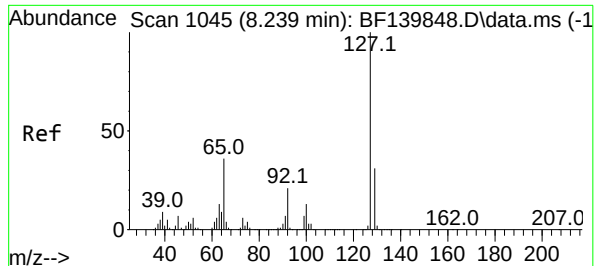
Ion Ratio Lower Upper

128 100

129 10.7 8.9 13.3

127 12.9 10.6 16.0





#33

4-Chloroaniline

Concen: 5.647 ng

RT: 8.234 min Scan# 1044

Delta R.T. -0.006 min

Lab File: BF139845.D

Acq: 18 Oct 2024 10:55

Instrument :

BNA\_F

ClientSampleId :

SSTDICC005

Tgt Ion:127 Resp: 73196

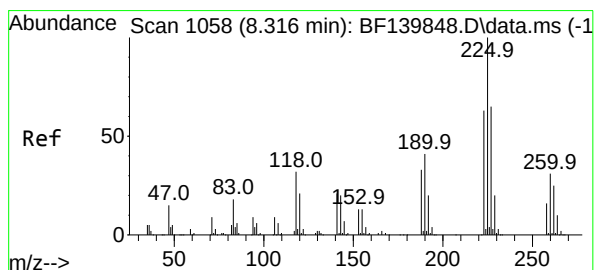
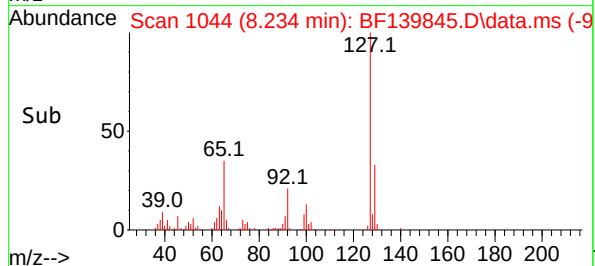
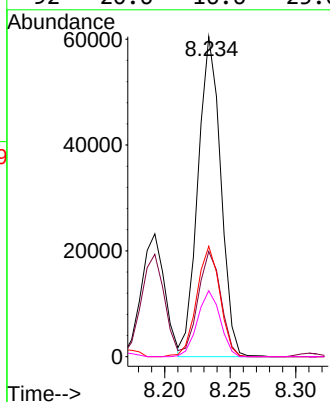
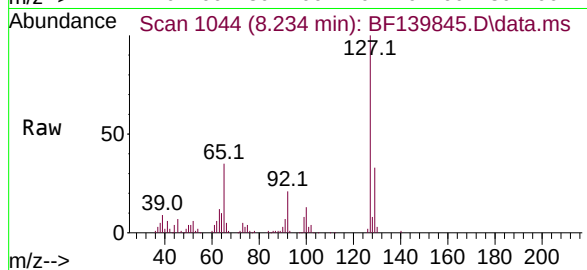
Ion Ratio Lower Upper

127 100

129 32.9 25.4 38.2

65 34.5 28.4 42.6

92 20.6 16.6 25.0



#34

Hexachlorobutadiene

Concen: 5.670 ng

RT: 8.310 min Scan# 1057

Delta R.T. -0.006 min

Lab File: BF139845.D

Acq: 18 Oct 2024 10:55

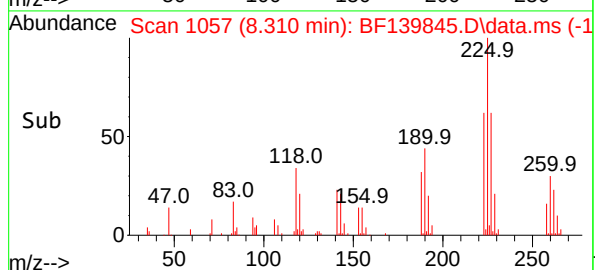
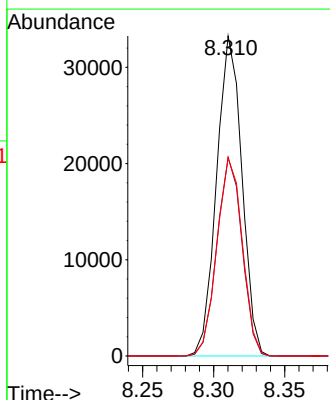
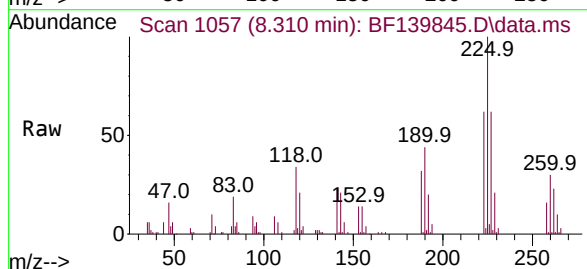
Tgt Ion:225 Resp: 41186

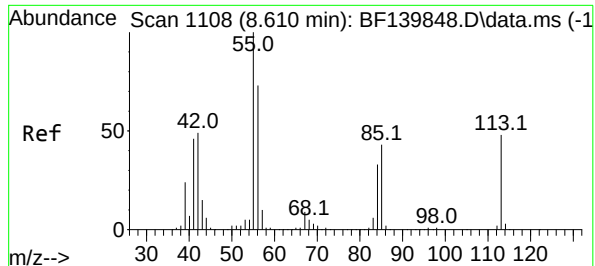
Ion Ratio Lower Upper

225 100

223 62.1 50.6 76.0

227 61.9 51.8 77.8

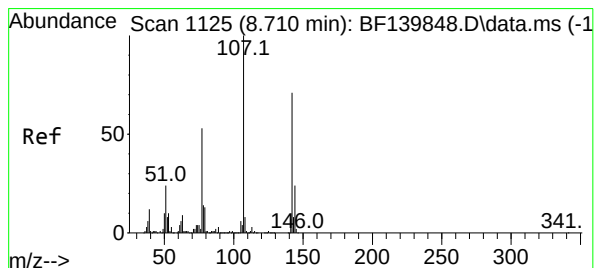
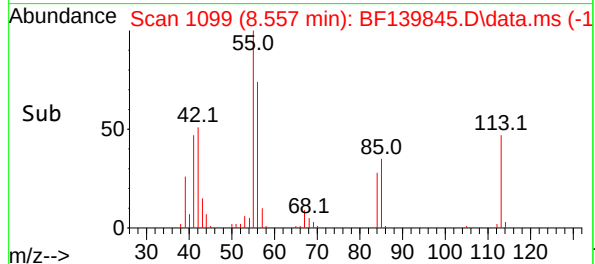
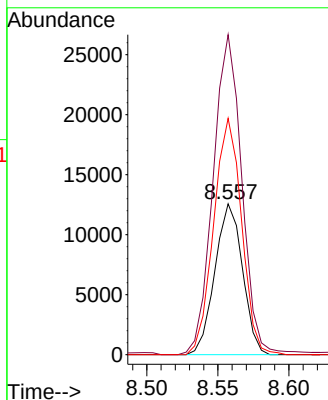
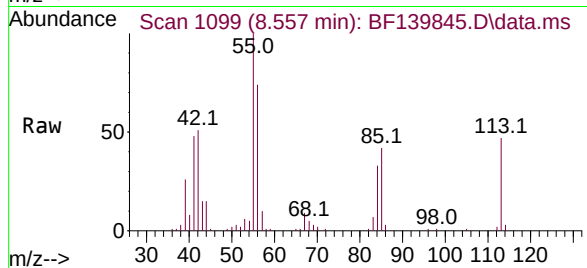




#35  
Caprolactam  
Concen: 5.114 ng  
RT: 8.557 min Scan# 1108  
Delta R.T. -0.053 min  
Lab File: BF139845.D  
Acq: 18 Oct 2024 10:55

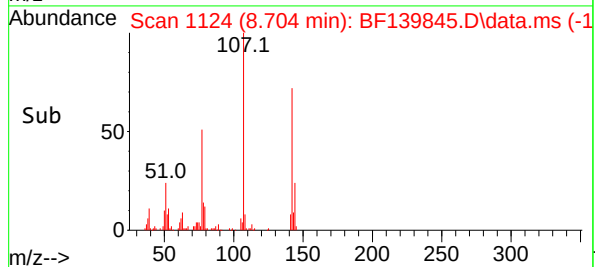
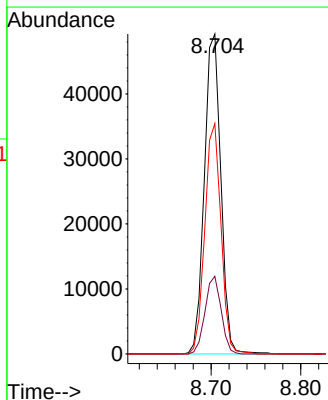
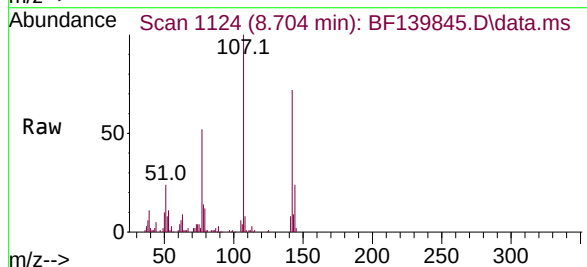
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC005

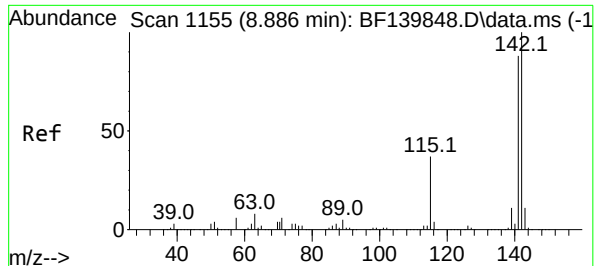
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 55      | 212.2 | 189.2 | 229.2 |
| 56      | 156.7 | 132.5 | 172.5 |



#36  
4-Chloro-3-methylphenol  
Concen: 5.438 ng  
RT: 8.704 min Scan# 1124  
Delta R.T. -0.006 min  
Lab File: BF139845.D  
Acq: 18 Oct 2024 10:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 144     | 24.3  | 19.1  | 28.7  |
| 142     | 72.0  | 57.2  | 85.8  |





#37

2-Methylnaphthalene

Concen: 5.854 ng

RT: 8.881 min Scan# 1155

Delta R.T. -0.006 min

Lab File: BF139845.D

Acq: 18 Oct 2024 10:55

Instrument :

BNA\_F

ClientSampleId :

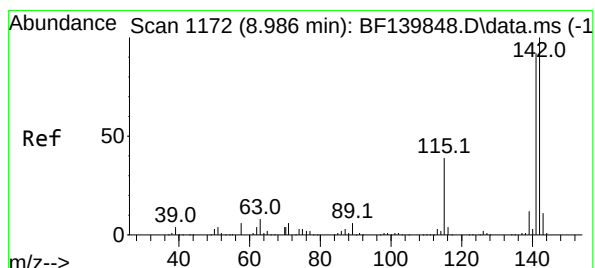
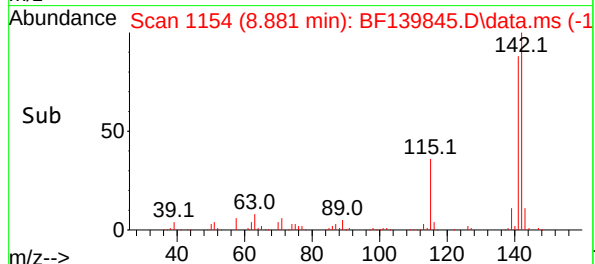
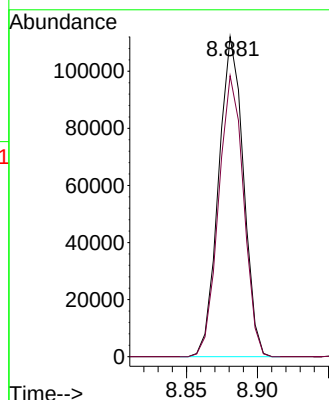
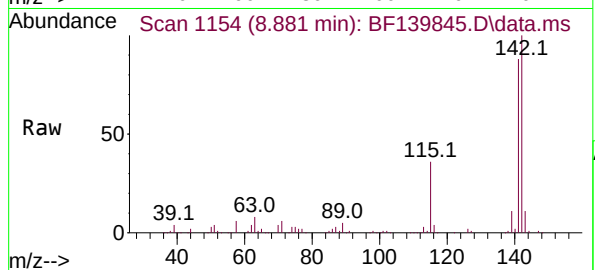
SSTDICC005

Tgt Ion:142 Resp: 136292

Ion Ratio Lower Upper

142 100

141 87.8 70.8 106.2



#38

1-Methylnaphthalene

Concen: 5.856 ng

RT: 8.981 min Scan# 1171

Delta R.T. -0.006 min

Lab File: BF139845.D

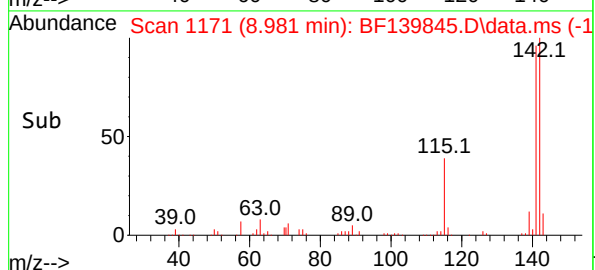
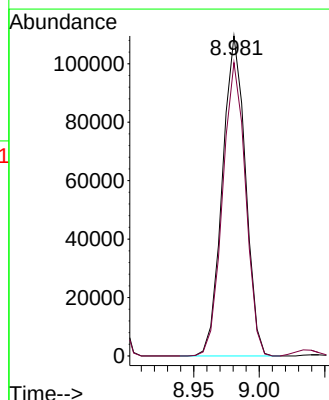
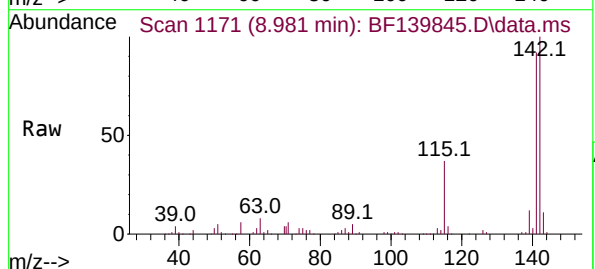
Acq: 18 Oct 2024 10:55

Tgt Ion:142 Resp: 133747

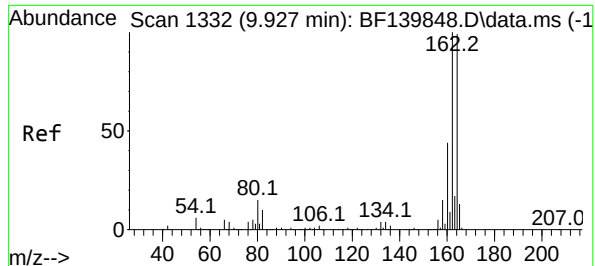
Ion Ratio Lower Upper

142 100

141 91.7 73.5 110.3







#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.928 min Scan# 11

Delta R.T. 0.001 min

Lab File: BF139845.D

Acq: 18 Oct 2024 10:55

Instrument :

BNA\_F

ClientSampleId :

SSTDICC005

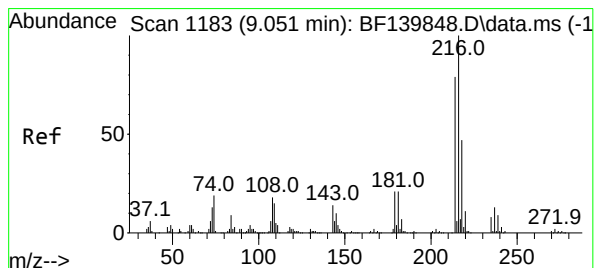
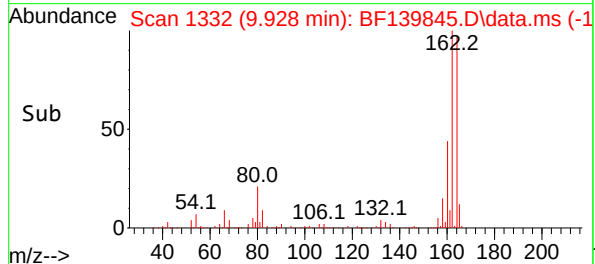
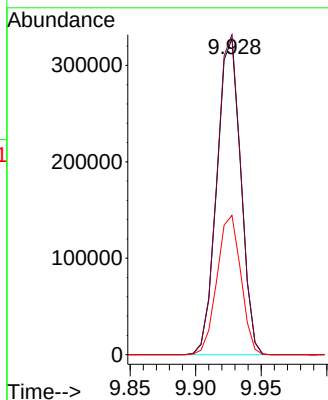
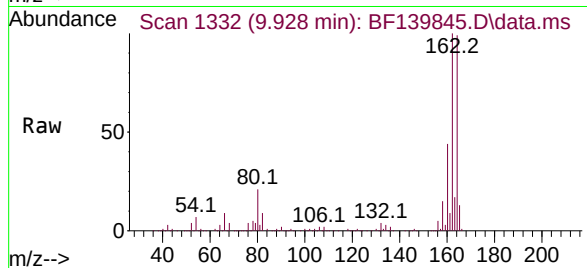
Tgt Ion:164 Resp: 414324

Ion Ratio Lower Upper

164 100

162 101.3 81.0 121.4

160 44.1 35.4 53.0



#40

1,2,4,5-Tetrachlorobenzene

Concen: 5.640 ng

RT: 9.045 min Scan# 1182

Delta R.T. -0.006 min

Lab File: BF139845.D

Acq: 18 Oct 2024 10:55

Tgt Ion:216 Resp: 63046

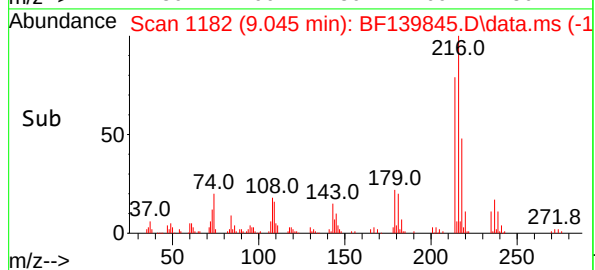
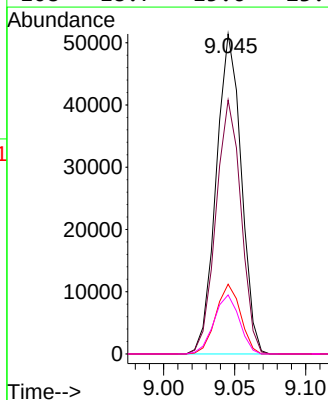
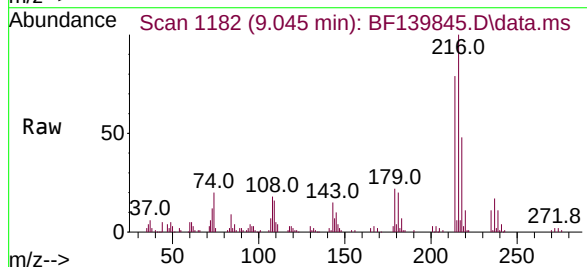
Ion Ratio Lower Upper

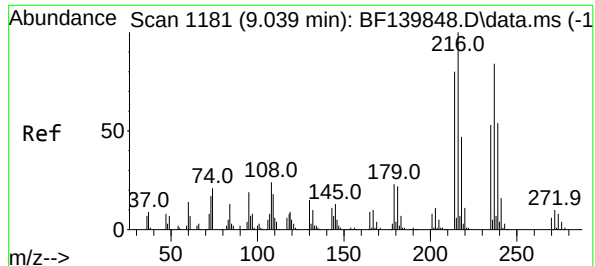
216 100

214 79.3 63.4 95.0

179 21.4 17.2 25.8

108 18.7 15.6 23.4

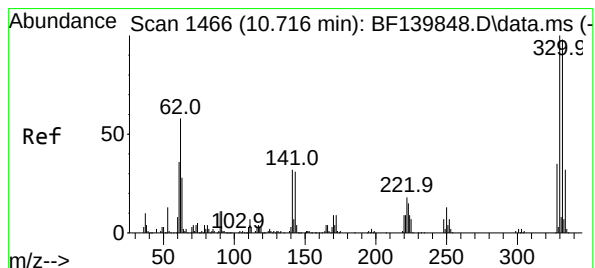
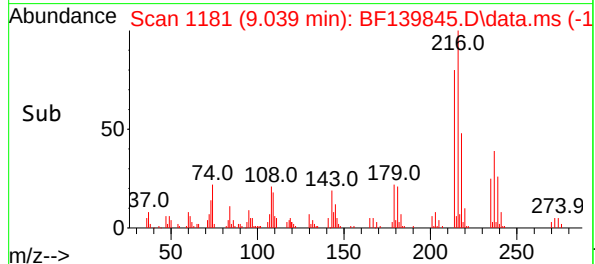
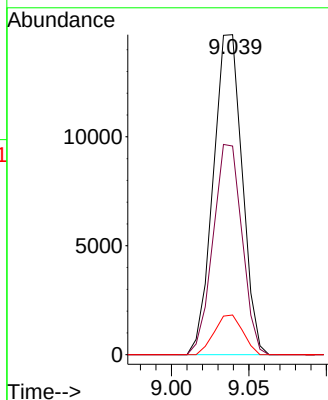
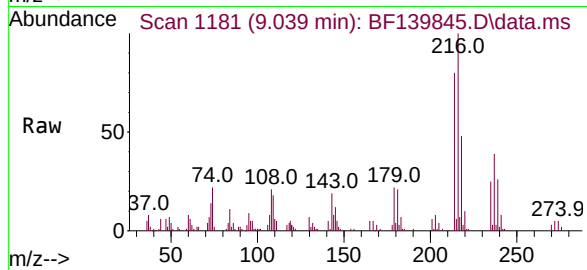




#41  
Hexachlorocyclopentadiene  
Concen: 4.916 ng  
RT: 9.039 min Scan# 1181  
Delta R.T. 0.000 min  
Lab File: BF139845.D  
Acq: 18 Oct 2024 10:55

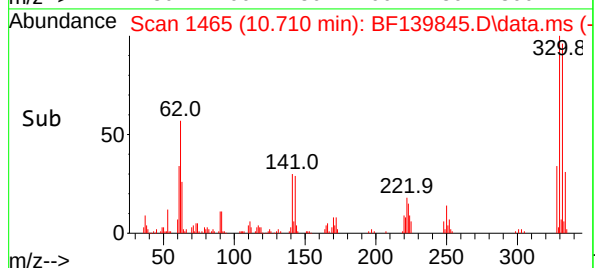
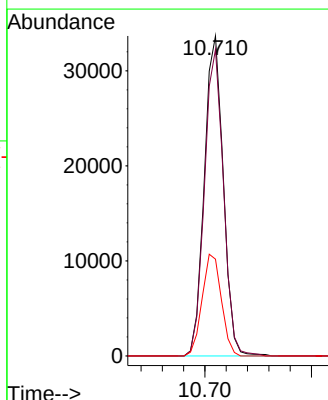
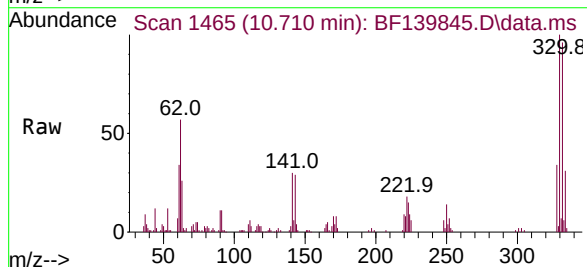
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC005

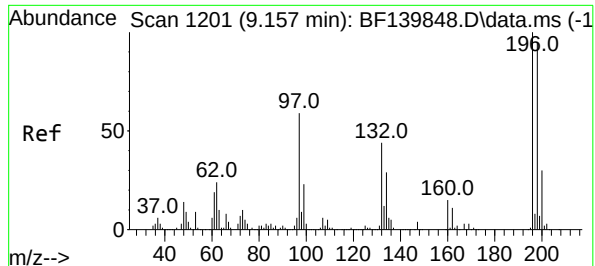
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 237     | 100   |       |       |
| 235     | 65.2  | 42.9  | 82.9  |
| 272     | 12.4  | 0.0   | 32.3  |



#42  
2,4,6-Tribromophenol  
Concen: 10.755 ng  
RT: 10.710 min Scan# 1465  
Delta R.T. -0.006 min  
Lab File: BF139845.D  
Acq: 18 Oct 2024 10:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.2  | 78.1  | 117.1 |
| 141     | 32.3  | 26.6  | 39.8  |





#43

2,4,6-Trichlorophenol

Concen: 5.307 ng

RT: 9.151 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF139845.D

Acq: 18 Oct 2024 10:55

Instrument :

BNA\_F

ClientSampleId :

SSTDIC005

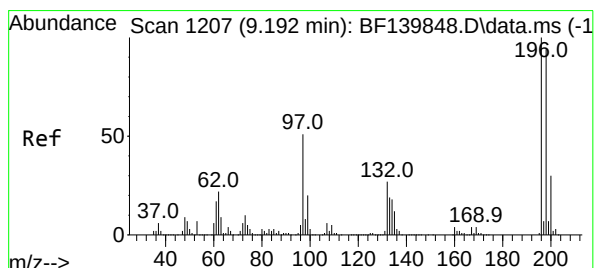
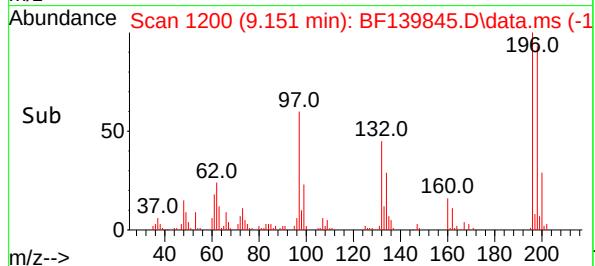
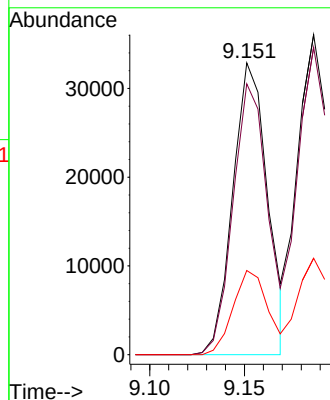
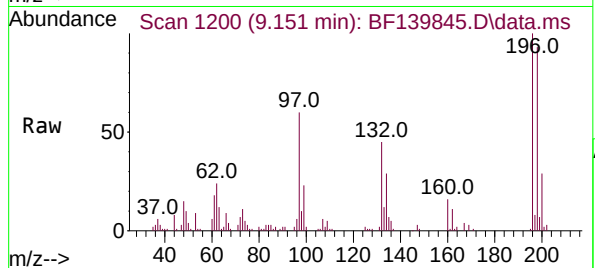
Tgt Ion:196 Resp: 41997

Ion Ratio Lower Upper

196 100

198 92.8 76.2 114.2

200 28.8 24.0 36.0



#44

2,4,5-Trichlorophenol

Concen: 5.399 ng

RT: 9.187 min Scan# 1206

Delta R.T. -0.006 min

Lab File: BF139845.D

Acq: 18 Oct 2024 10:55

Tgt Ion:196 Resp: 44086

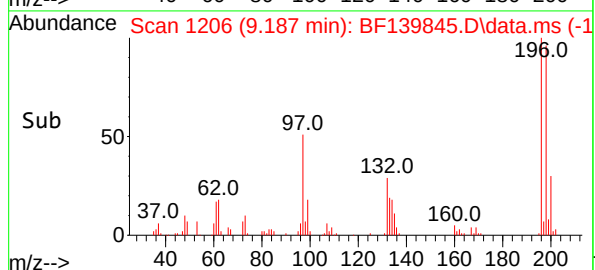
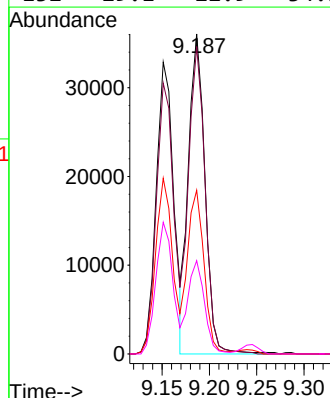
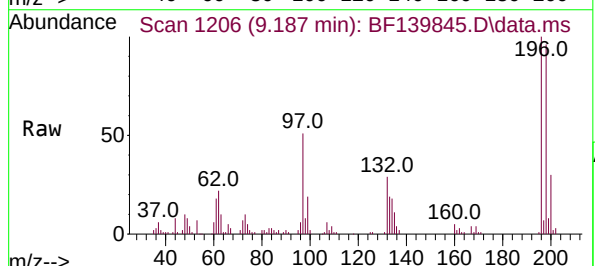
Ion Ratio Lower Upper

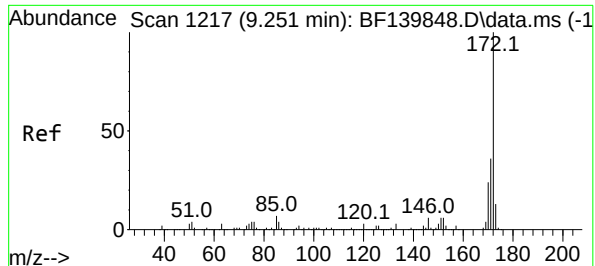
196 100

198 96.0 75.8 113.6

97 51.2 41.8 62.6

132 29.1 22.9 34.3

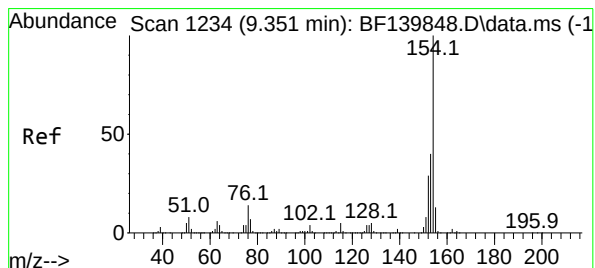
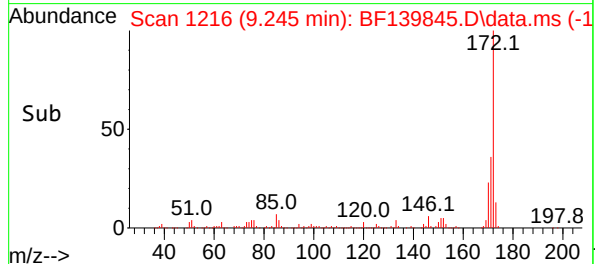
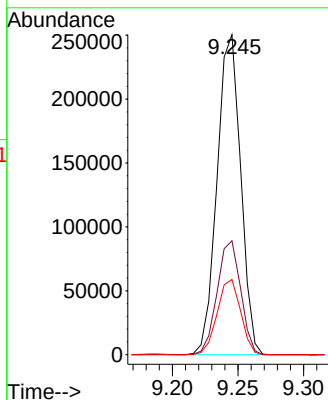
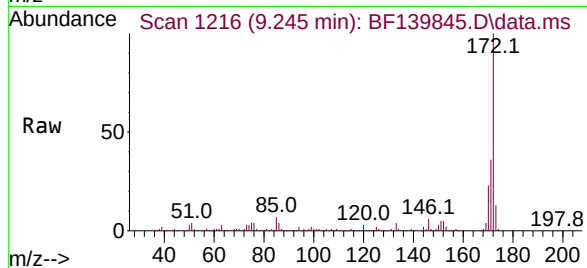




#45  
2-Fluorobiphenyl  
Concen: 12.492 ng  
RT: 9.245 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF139845.D  
Acq: 18 Oct 2024 10:55

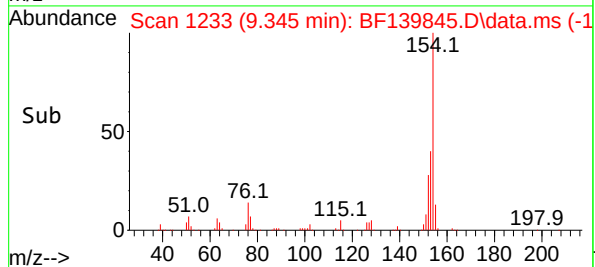
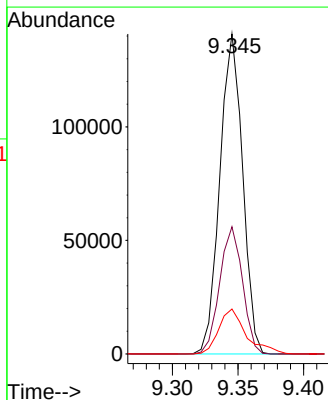
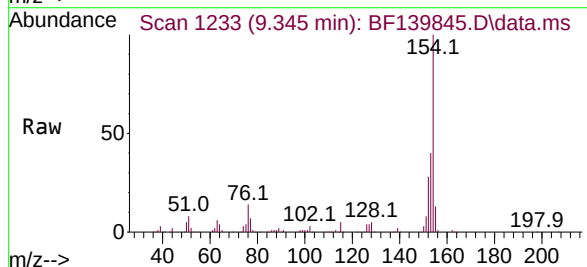
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC005

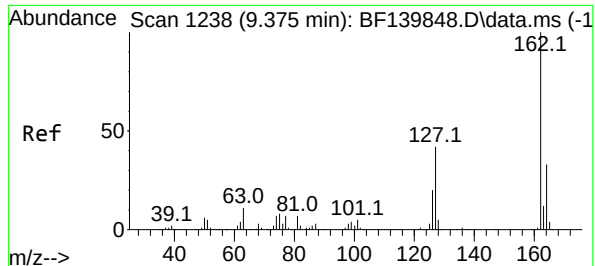
Tgt Ion:172 Resp: 313171  
Ion Ratio Lower Upper  
172 100  
171 35.6 28.6 43.0  
170 23.5 19.1 28.7



#46  
1,1'-Biphenyl  
Concen: 5.891 ng  
RT: 9.345 min Scan# 1233  
Delta R.T. -0.006 min  
Lab File: BF139845.D  
Acq: 18 Oct 2024 10:55

Tgt Ion:154 Resp: 169920  
Ion Ratio Lower Upper  
154 100  
153 39.7 20.3 60.3  
76 14.1 0.0 33.9





#47

2-Chloronaphthalene

Concen: 5.745 ng

RT: 9.369 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF139845.D

Acq: 18 Oct 2024 10:55

Instrument :

BNA\_F

ClientSampleId :

SSTDICC005

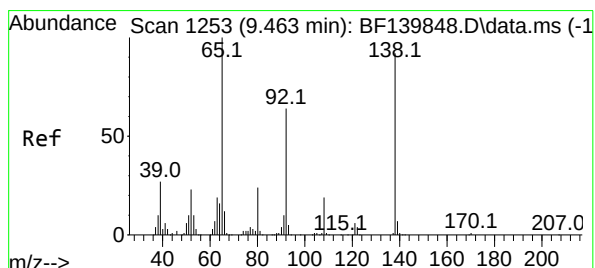
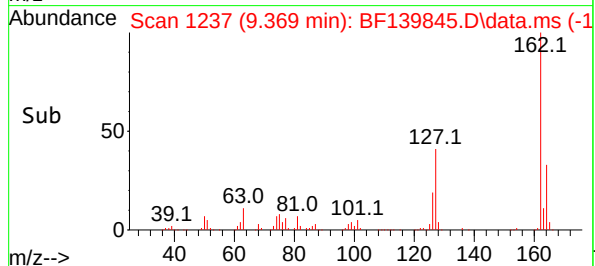
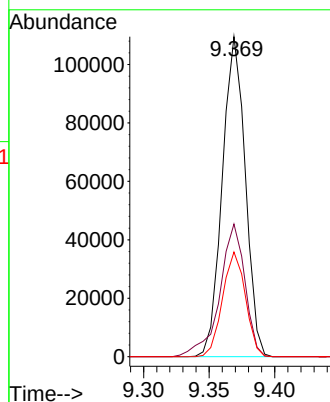
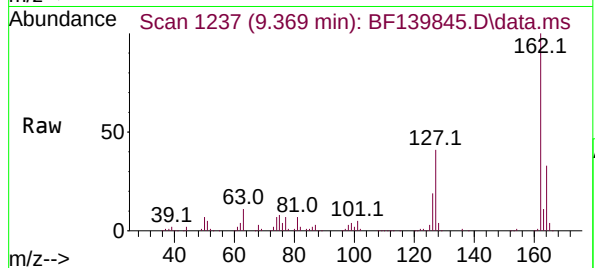
Tgt Ion:162 Resp: 133456

Ion Ratio Lower Upper

162 100

127 41.4 33.8 50.6

164 32.7 26.6 39.8



#48

2-Nitroaniline

Concen: 4.363 ng

RT: 9.457 min Scan# 1252

Delta R.T. -0.006 min

Lab File: BF139845.D

Acq: 18 Oct 2024 10:55

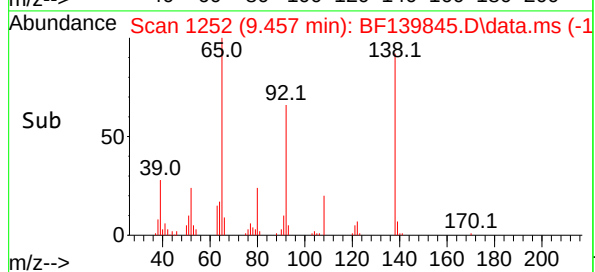
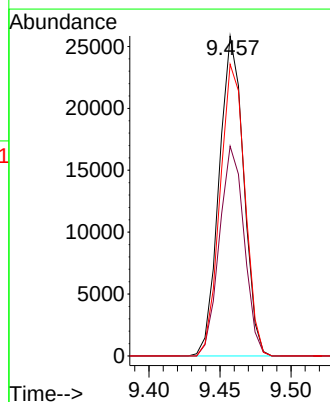
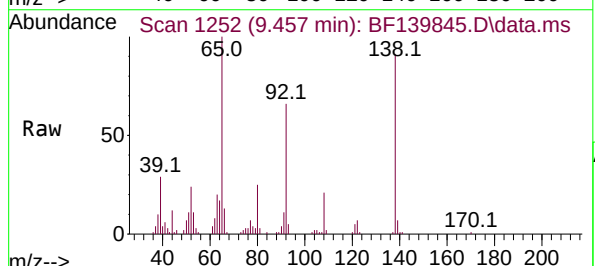
Tgt Ion: 65 Resp: 30999

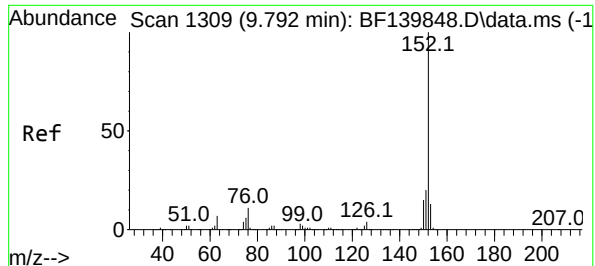
Ion Ratio Lower Upper

65 100

92 65.6 50.9 76.3

138 91.1 73.4 110.0





#49

Acenaphthylene

Concen: 5.717 ng

RT: 9.786 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF139845.D

Acq: 18 Oct 2024 10:55

Instrument :

BNA\_F

ClientSampleId :

SSTDICC005

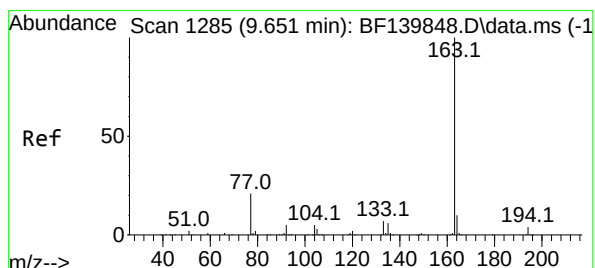
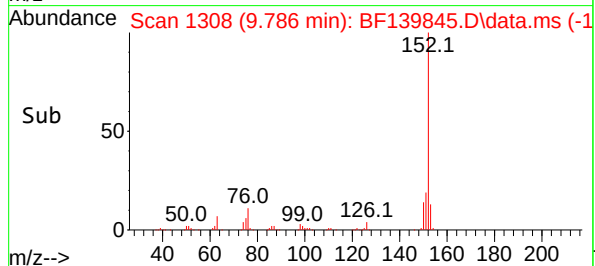
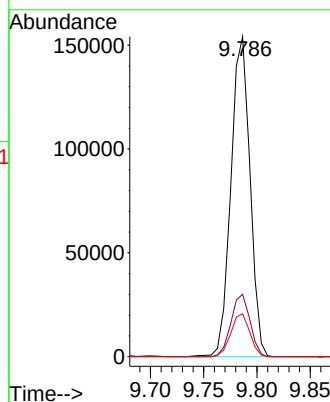
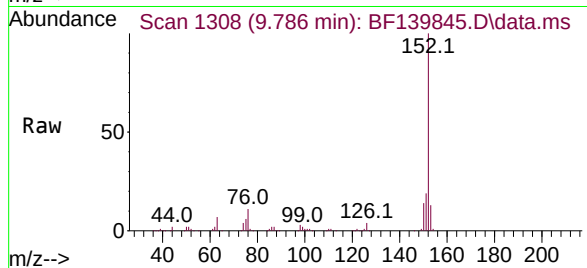
Tgt Ion:152 Resp: 192014

Ion Ratio Lower Upper

152 100

151 19.5 15.9 23.9

153 13.4 10.7 16.1



#50

Dimethylphthalate

Concen: 5.661 ng

RT: 9.639 min Scan# 1283

Delta R.T. -0.012 min

Lab File: BF139845.D

Acq: 18 Oct 2024 10:55

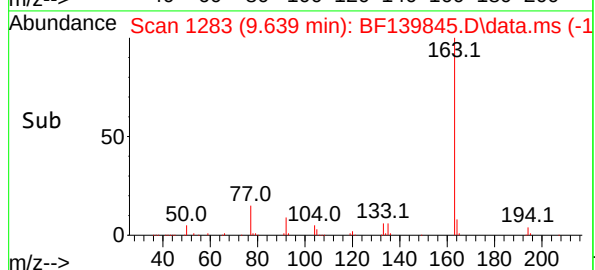
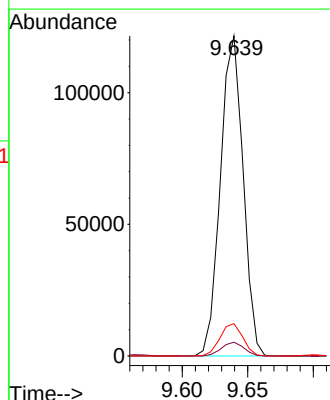
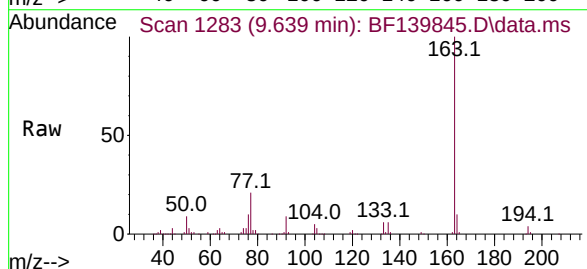
Tgt Ion:163 Resp: 146096

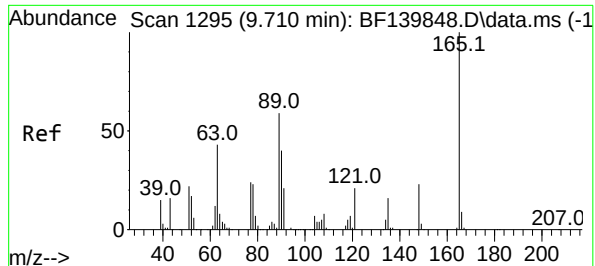
Ion Ratio Lower Upper

163 100

194 4.3 3.4 5.0

164 10.1 8.2 12.2

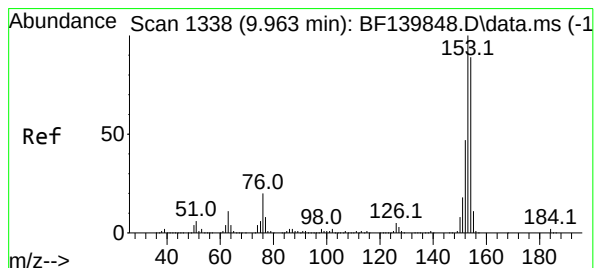
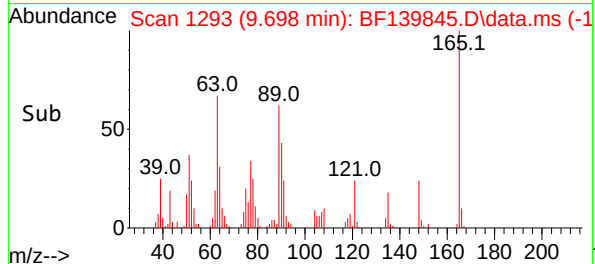
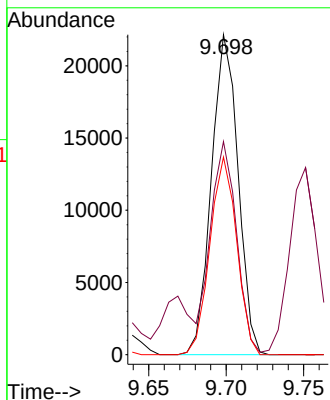
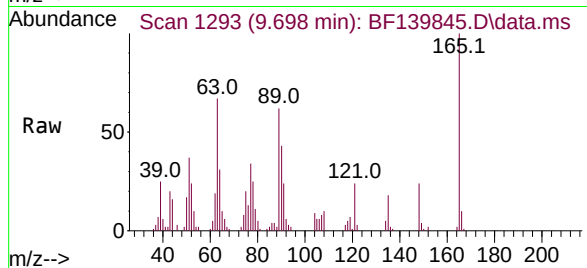




#51  
2,6-Dinitrotoluene  
Concen: 4.741 ng  
RT: 9.698 min Scan# 1295  
Delta R.T. -0.012 min  
Lab File: BF139845.D  
Acq: 18 Oct 2024 10:55

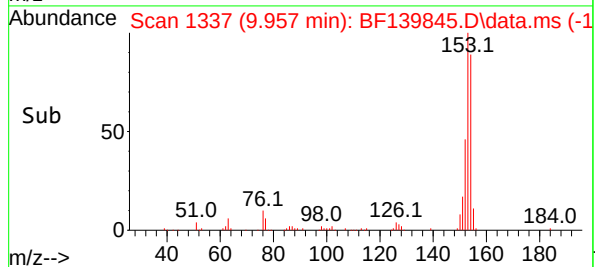
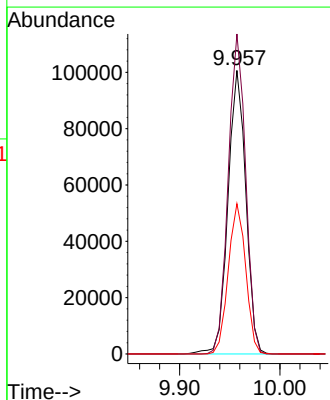
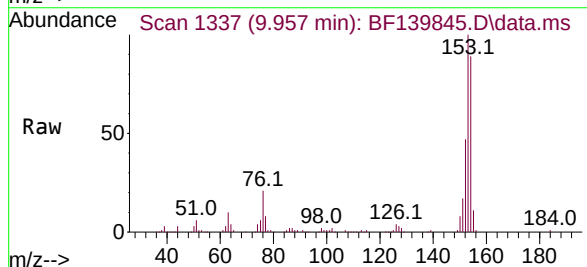
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC005

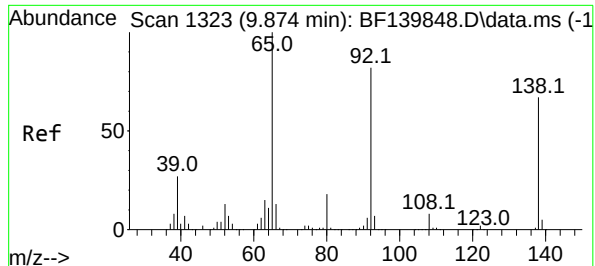
Tgt Ion:165 Resp: 26490  
Ion Ratio Lower Upper  
165 100  
63 66.6 50.6 75.8  
89 61.8 47.5 71.3



#52  
Acenaphthene  
Concen: 5.721 ng  
RT: 9.957 min Scan# 1337  
Delta R.T. -0.006 min  
Lab File: BF139845.D  
Acq: 18 Oct 2024 10:55

Tgt Ion:154 Resp: 124288  
Ion Ratio Lower Upper  
154 100  
153 112.9 89.8 134.6  
152 53.0 42.4 63.6

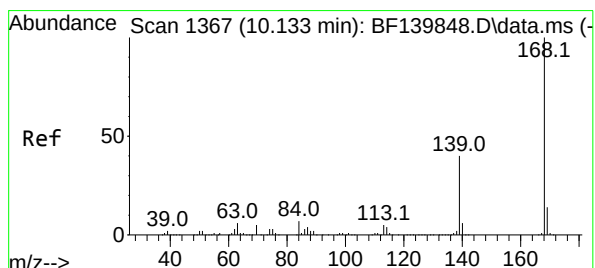
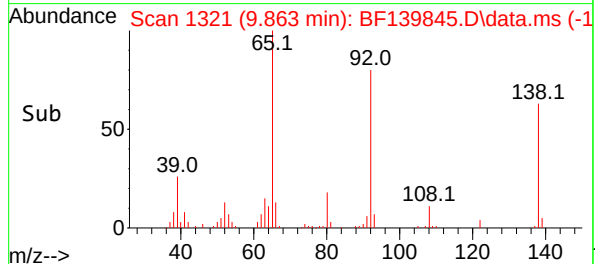
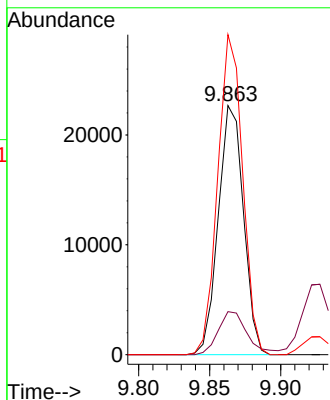
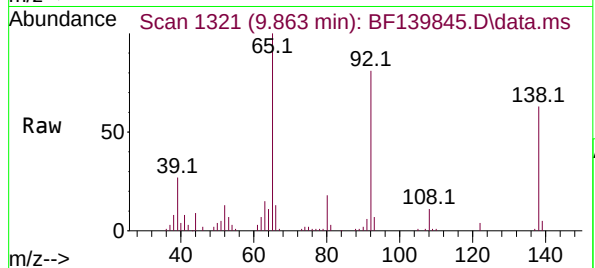




#53  
3-Nitroaniline  
Concen: 4.858 ng  
RT: 9.863 min Scan# 1321  
Delta R.T. -0.012 min  
Lab File: BF139845.D  
Acq: 18 Oct 2024 10:55

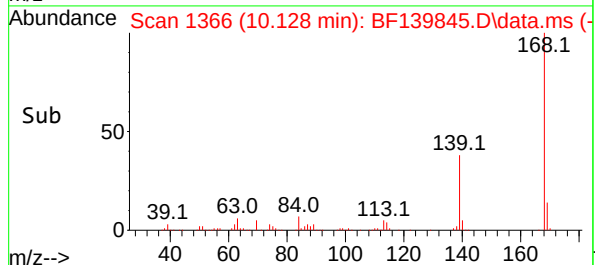
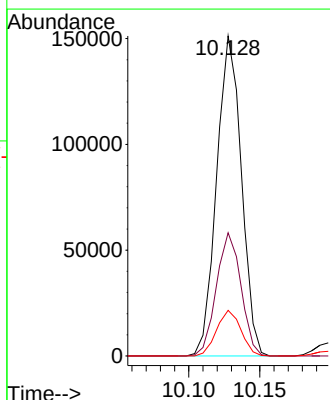
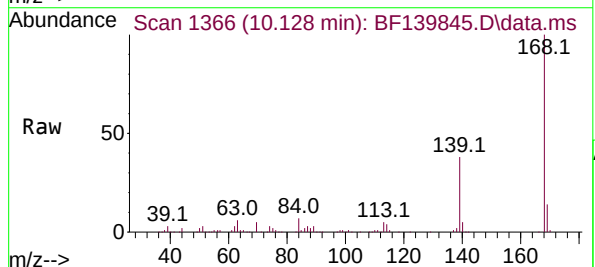
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC005

Tgt Ion:138 Resp: 27995  
Ion Ratio Lower Upper  
138 100  
108 17.3 10.2 15.2#  
92 128.5 98.3 147.5

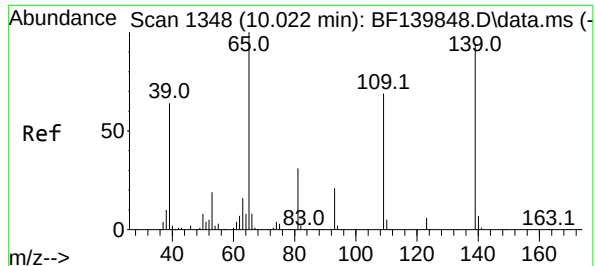


#55  
Dibenzofuran  
Concen: 5.870 ng  
RT: 10.128 min Scan# 1366  
Delta R.T. -0.006 min  
Lab File: BF139845.D  
Acq: 18 Oct 2024 10:55

Tgt Ion:168 Resp: 182985  
Ion Ratio Lower Upper  
168 100  
139 38.5 31.8 47.6  
169 14.3 11.6 17.4



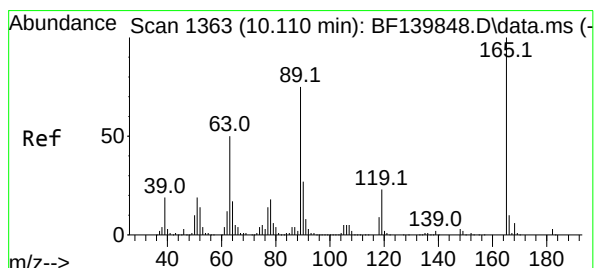
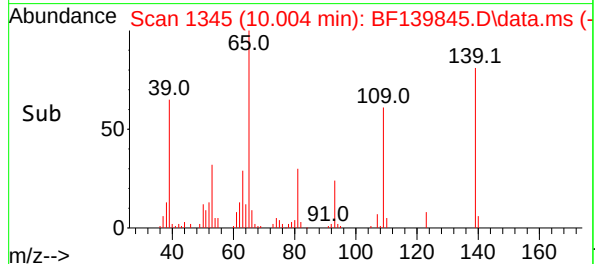
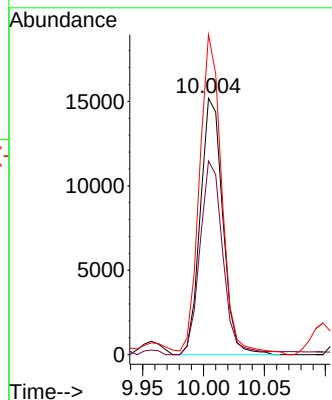
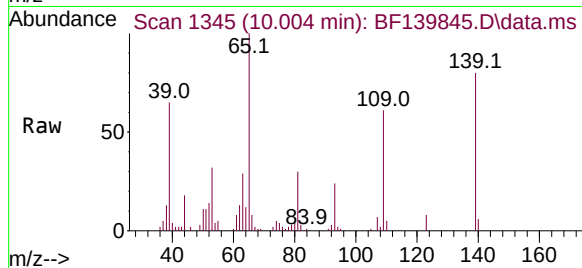




#56  
4-Nitrophenol  
Concen: 4.376 ng  
RT: 10.004 min Scan# 1345  
Delta R.T. -0.017 min  
Lab File: BF139845.D  
Acq: 18 Oct 2024 10:55

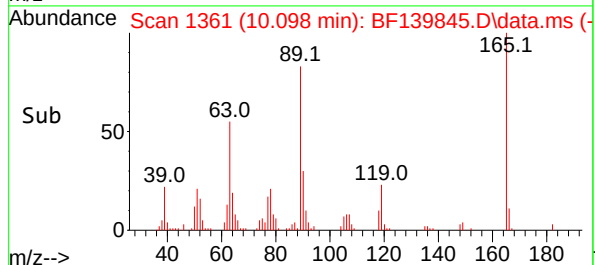
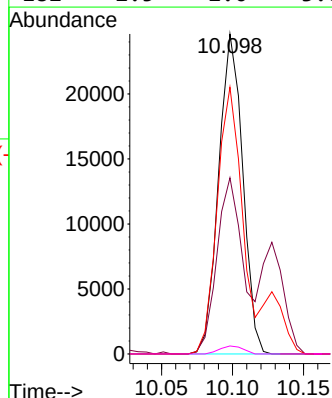
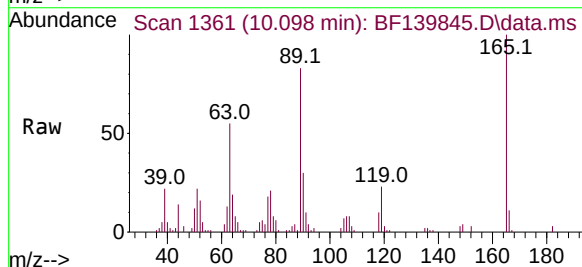
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC005

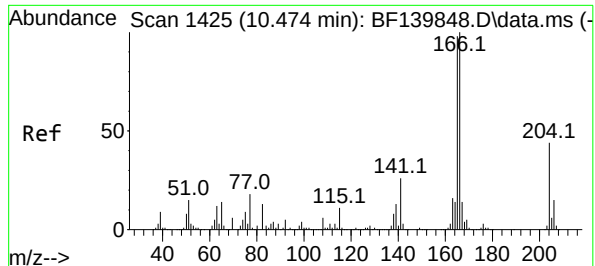
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 139     | 100   |       |       |
| 109     | 75.6  | 53.6  | 93.6  |
| 65      | 124.8 | 87.8  | 127.8 |



#57  
2,4-Dinitrotoluene  
Concen: 4.226 ng  
RT: 10.098 min Scan# 1361  
Delta R.T. -0.012 min  
Lab File: BF139845.D  
Acq: 18 Oct 2024 10:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 55.0  | 40.1  | 60.1  |
| 89      | 83.3  | 60.4  | 90.6  |
| 182     | 2.5   | 2.0   | 3.0   |

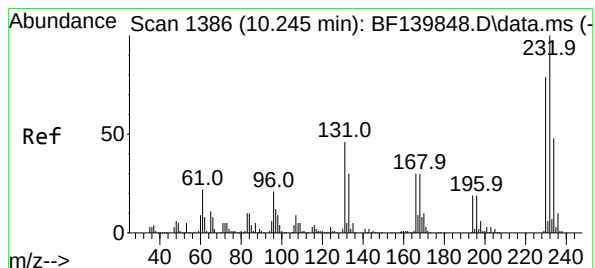
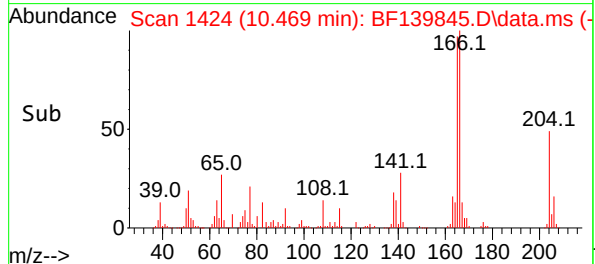
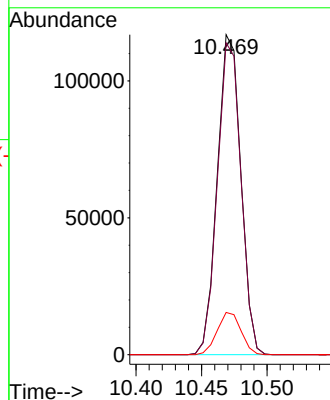
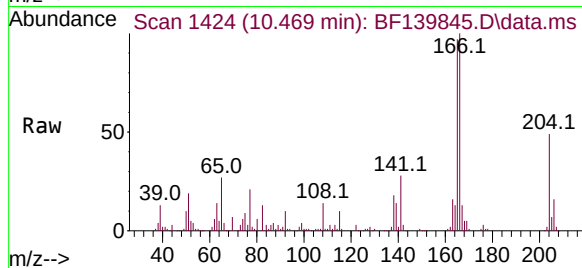




#58  
Fluorene  
Concen: 6.146 ng  
RT: 10.469 min Scan# 1424  
Delta R.T. -0.006 min  
Lab File: BF139845.D  
Acq: 18 Oct 2024 10:55

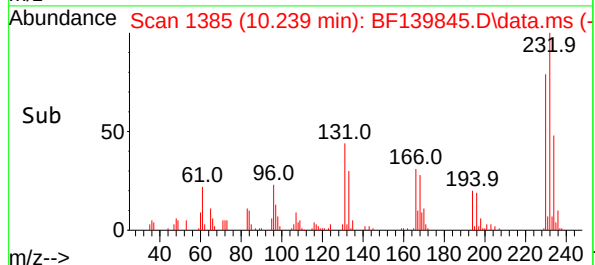
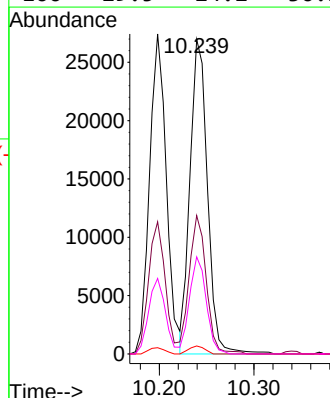
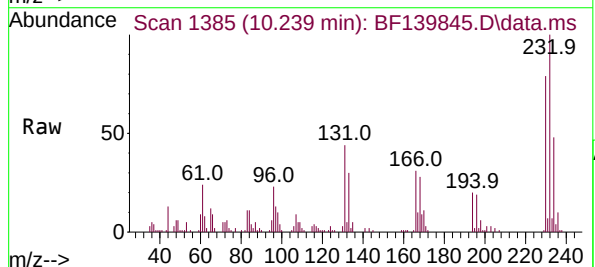
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC005

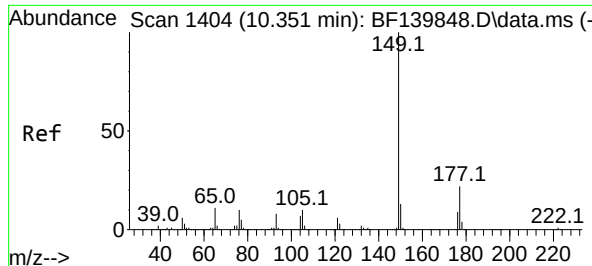
Tgt Ion:166 Resp: 145913  
Ion Ratio Lower Upper  
166 100  
165 97.5 78.5 117.7  
167 13.2 10.9 16.3



#59  
2,3,4,6-Tetrachlorophenol  
Concen: 5.411 ng  
RT: 10.239 min Scan# 1385  
Delta R.T. -0.006 min  
Lab File: BF139845.D  
Acq: 18 Oct 2024 10:55

Tgt Ion:232 Resp: 34636  
Ion Ratio Lower Upper  
232 100  
131 43.7 37.0 55.6  
130 2.3 1.9 2.9  
166 29.5 24.2 36.2

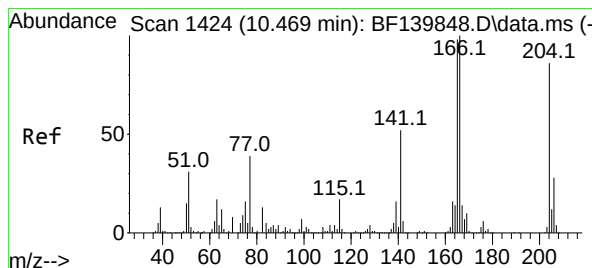
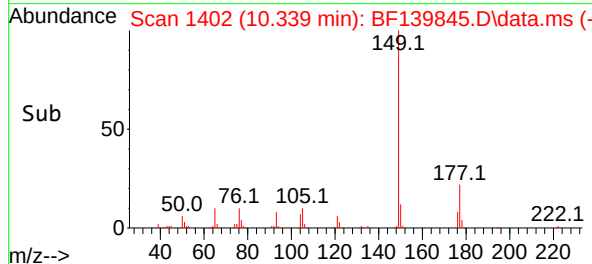
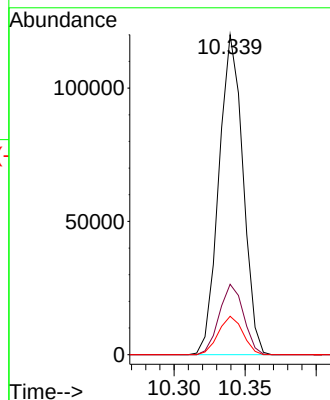
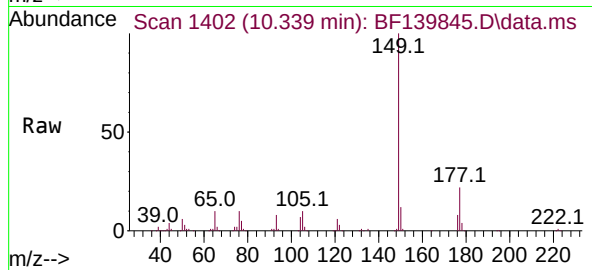




#60  
Diethylphthalate  
Concen: 5.583 ng  
RT: 10.339 min Scan# 1402  
Delta R.T. -0.012 min  
Lab File: BF139845.D  
Acq: 18 Oct 2024 10:55

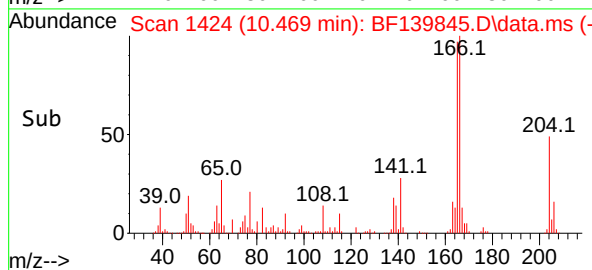
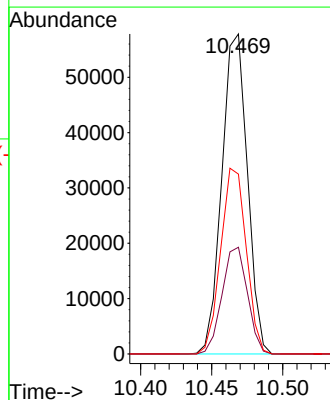
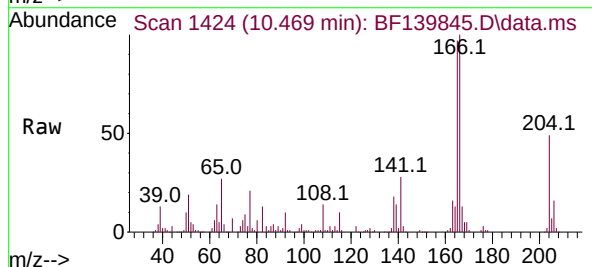
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC005

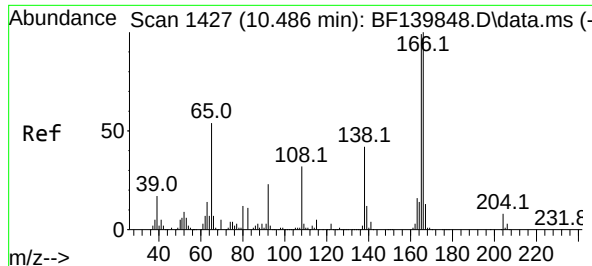
Tgt Ion:149 Resp: 141466  
Ion Ratio Lower Upper  
149 100  
177 22.0 17.9 26.9  
150 12.0 10.1 15.1



#61  
4-Chlorophenyl-phenylether  
Concen: 6.033 ng  
RT: 10.469 min Scan# 1424  
Delta R.T. 0.000 min  
Lab File: BF139845.D  
Acq: 18 Oct 2024 10:55

Tgt Ion:204 Resp: 72331  
Ion Ratio Lower Upper  
204 100  
206 33.3 26.3 39.5  
141 56.2 48.6 73.0

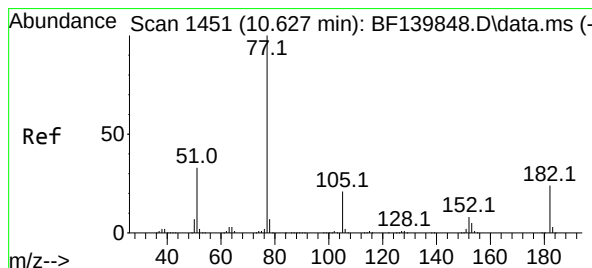
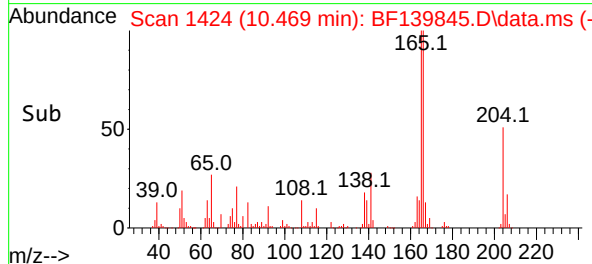
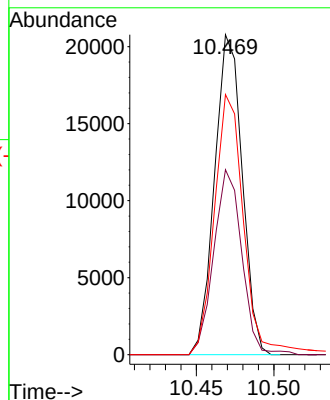
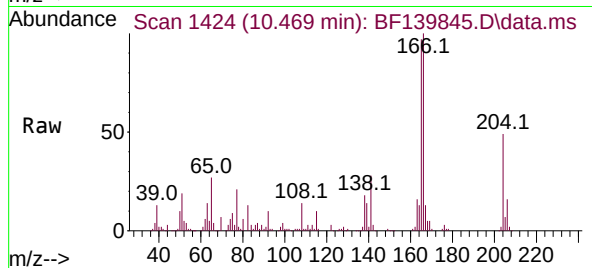




#62  
4-Nitroaniline  
Concen: 4.731 ng  
RT: 10.469 min Scan# 1424  
Delta R.T. -0.017 min  
Lab File: BF139845.D  
Acq: 18 Oct 2024 10:55

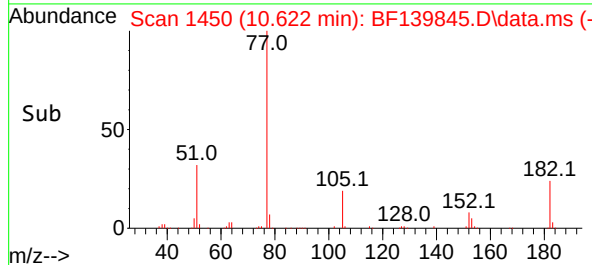
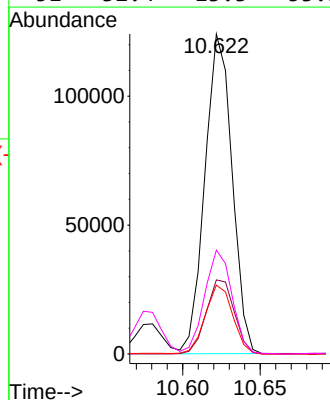
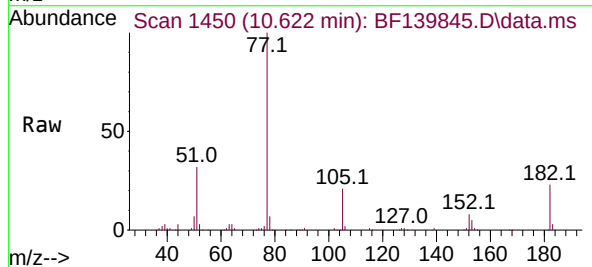
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC005

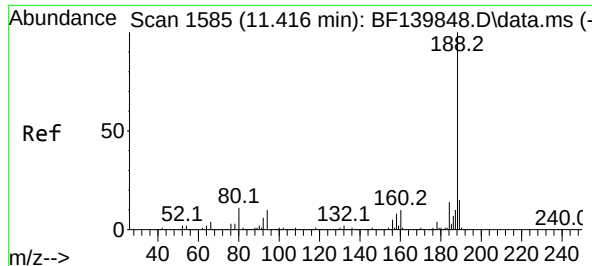
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 92      | 57.8  | 35.7  | 75.7  |
| 108     | 81.3  | 57.5  | 97.5  |



#63  
Azobenzene  
Concen: 5.627 ng  
RT: 10.622 min Scan# 1450  
Delta R.T. -0.006 min  
Lab File: BF139845.D  
Acq: 18 Oct 2024 10:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 182     | 23.2  | 3.3   | 43.3  |
| 105     | 21.5  | 1.2   | 41.2  |
| 51      | 32.4  | 13.3  | 53.3  |





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.410 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF139845.D

Acq: 18 Oct 2024 10:55

Instrument :

BNA\_F

ClientSampleId :

SSTDICC005

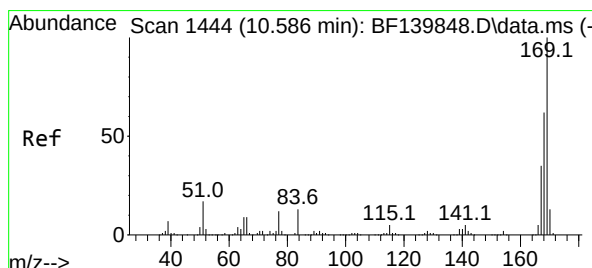
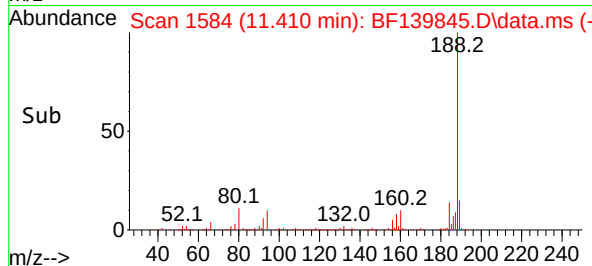
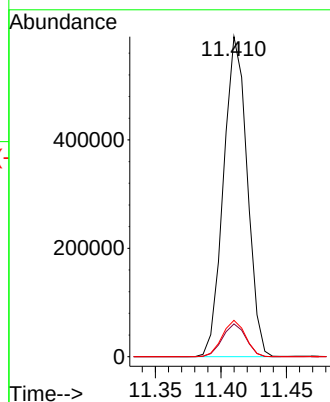
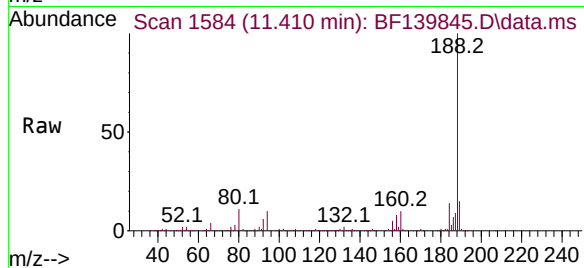
Tgt Ion:188 Resp: 741430

Ion Ratio Lower Upper

188 100

94 10.2 7.9 11.9

80 11.4 9.0 13.4



#66

n-Nitrosodiphenylamine

Concen: 5.609 ng

RT: 10.581 min Scan# 1443

Delta R.T. -0.006 min

Lab File: BF139845.D

Acq: 18 Oct 2024 10:55

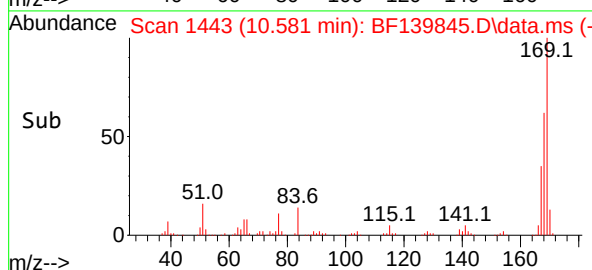
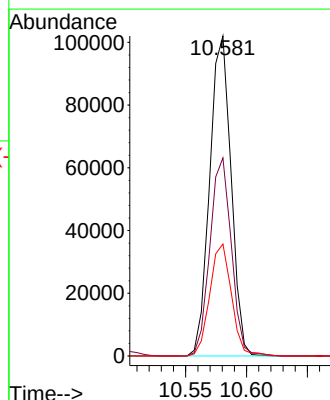
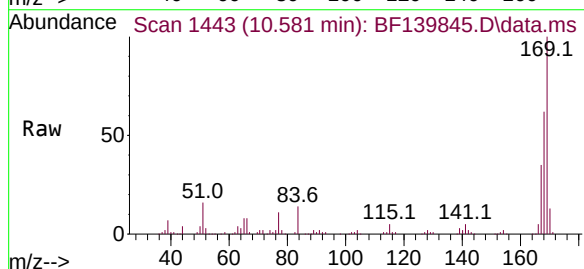
Tgt Ion:169 Resp: 124472

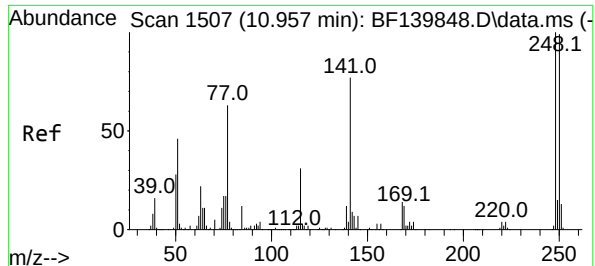
Ion Ratio Lower Upper

169 100

168 61.9 49.8 74.6

167 35.0 28.0 42.0

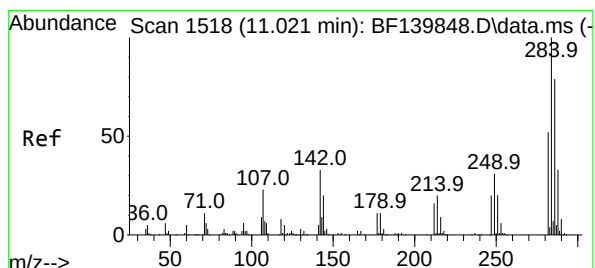
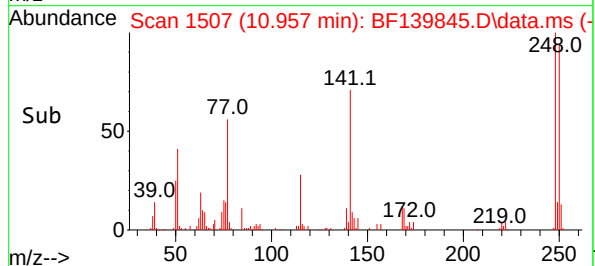
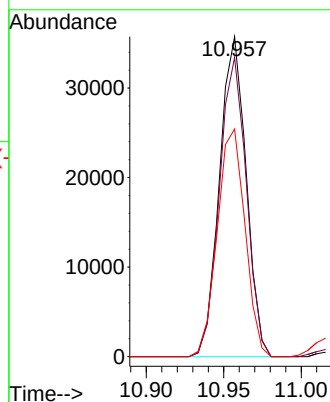
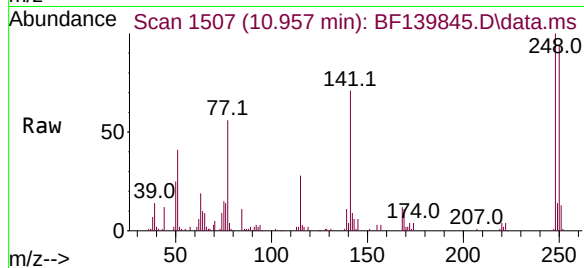




#67  
4-Bromophenyl-phenylether  
Concen: 5.591 ng  
RT: 10.957 min Scan# 1507  
Delta R.T. 0.000 min  
Lab File: BF139845.D  
Acq: 18 Oct 2024 10:55

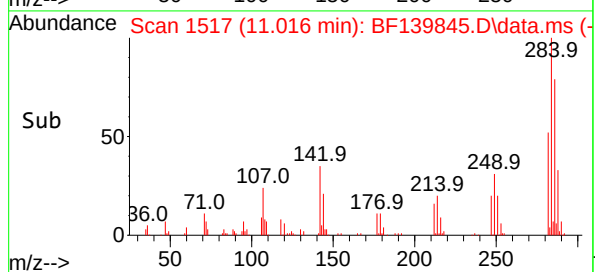
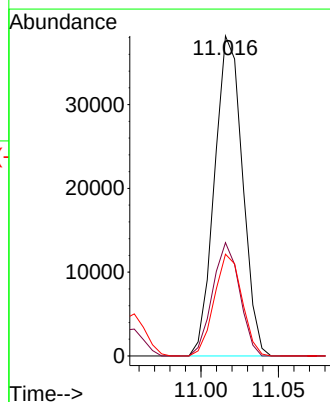
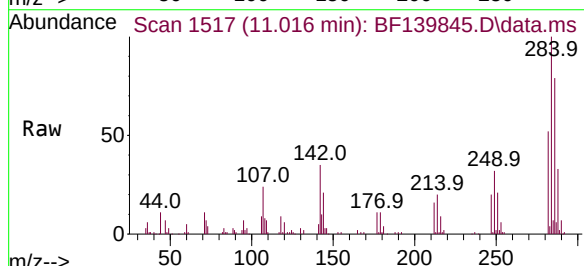
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC005

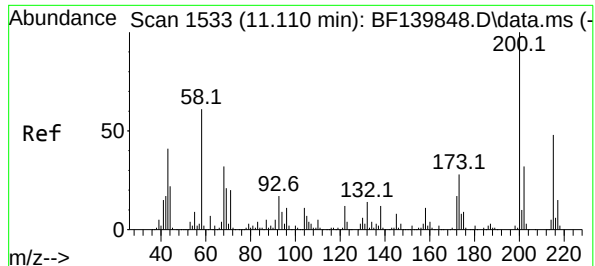
Tgt Ion:248 Resp: 42707  
Ion Ratio Lower Upper  
248 100  
250 93.5 79.0 118.6  
141 71.1 61.7 92.5



#68  
Hexachlorobenzene  
Concen: 5.575 ng  
RT: 11.016 min Scan# 1517  
Delta R.T. -0.006 min  
Lab File: BF139845.D  
Acq: 18 Oct 2024 10:55

Tgt Ion:284 Resp: 47895  
Ion Ratio Lower Upper  
284 100  
142 35.4 26.9 40.3  
249 31.8 25.3 37.9





#69

Atrazine

Concen: 5.835 ng

RT: 11.104 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF139845.D

Acq: 18 Oct 2024 10:55

Instrument :

BNA\_F

ClientSampleId :

SSTDICC005

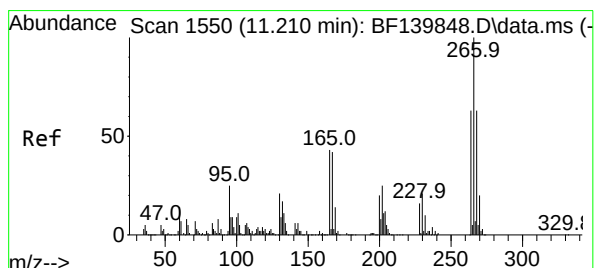
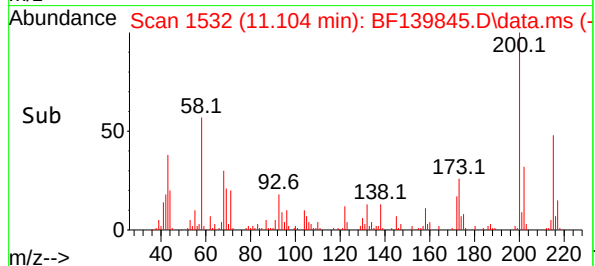
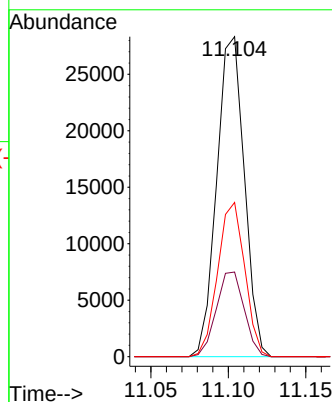
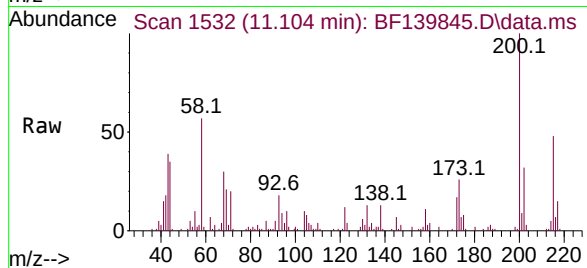
Tgt Ion:200 Resp: 35075

Ion Ratio Lower Upper

200 100

173 26.4 7.7 47.7

215 48.2 27.7 67.7



#70

Pentachlorophenol

Concen: 4.178 ng

RT: 11.210 min Scan# 1550

Delta R.T. 0.000 min

Lab File: BF139845.D

Acq: 18 Oct 2024 10:55

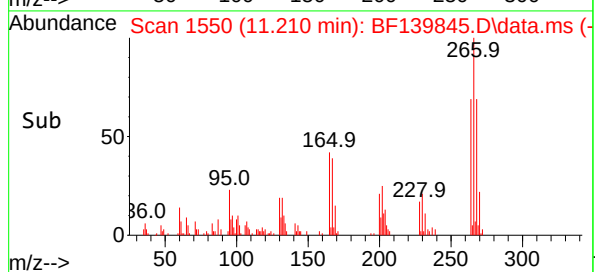
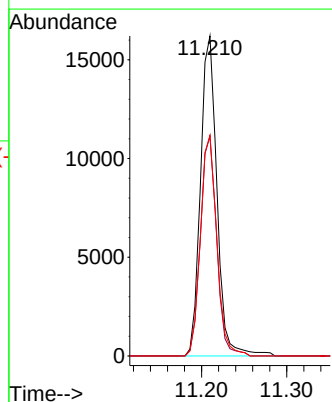
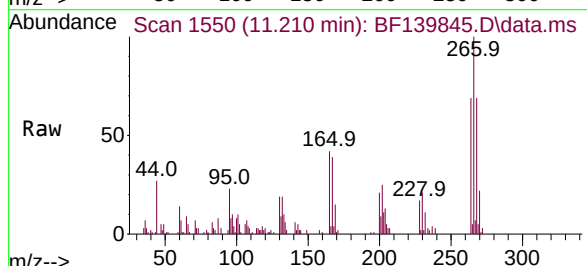
Tgt Ion:266 Resp: 21781

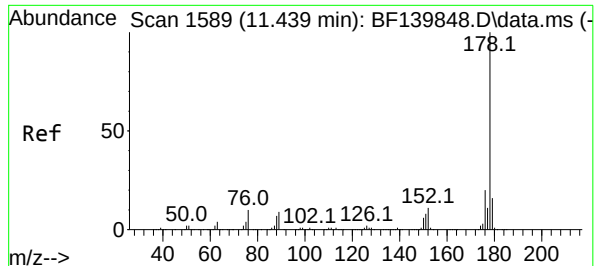
Ion Ratio Lower Upper

266 100

268 68.6 50.4 75.6

264 68.9 50.6 75.8

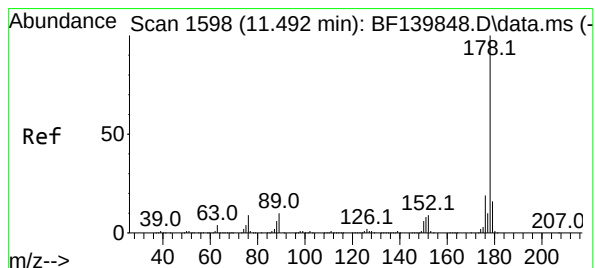
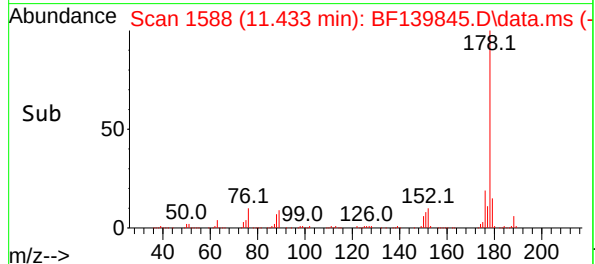
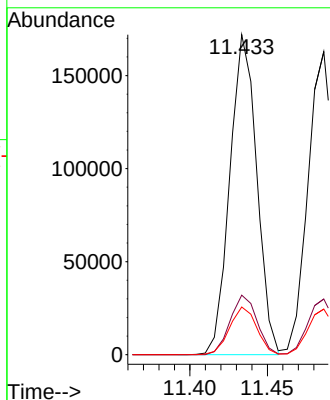
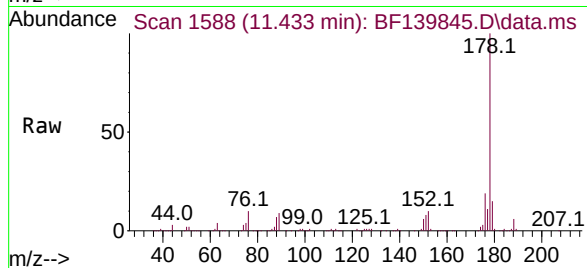




#71  
Phenanthrene  
Concen: 5.931 ng  
RT: 11.433 min Scan# 1588  
Delta R.T. -0.006 min  
Lab File: BF139845.D  
Acq: 18 Oct 2024 10:55

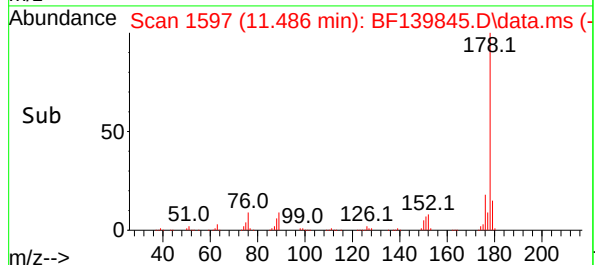
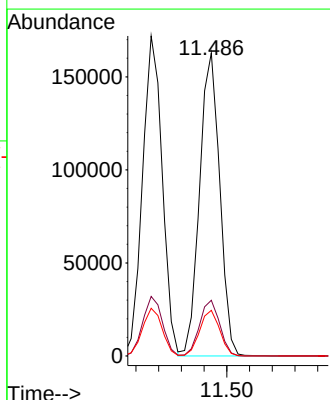
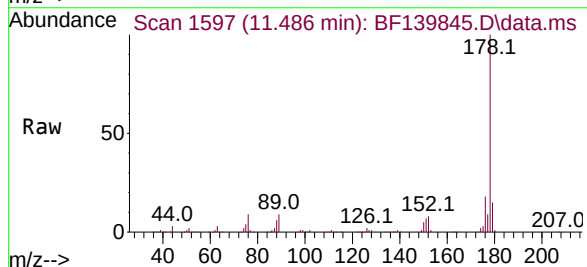
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC005

Tgt Ion:178 Resp: 207716  
Ion Ratio Lower Upper  
178 100  
176 18.6 15.8 23.6  
179 14.9 12.6 18.8

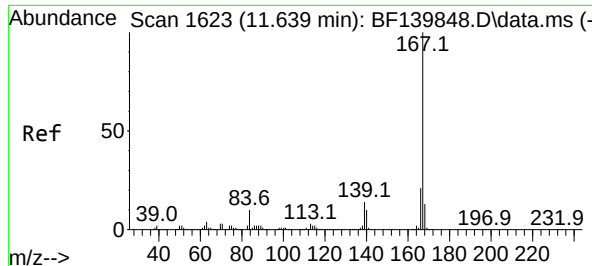


#72  
Anthracene  
Concen: 5.871 ng  
RT: 11.486 min Scan# 1597  
Delta R.T. -0.006 min  
Lab File: BF139845.D  
Acq: 18 Oct 2024 10:55

Tgt Ion:178 Resp: 200621  
Ion Ratio Lower Upper  
178 100  
176 18.4 15.3 22.9  
179 15.0 12.4 18.6



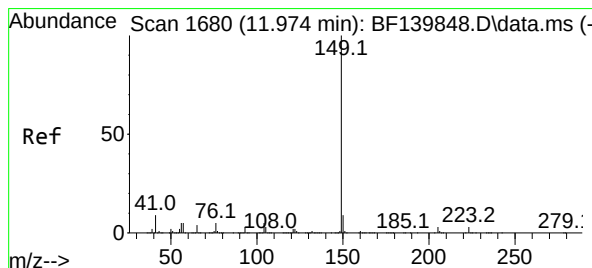
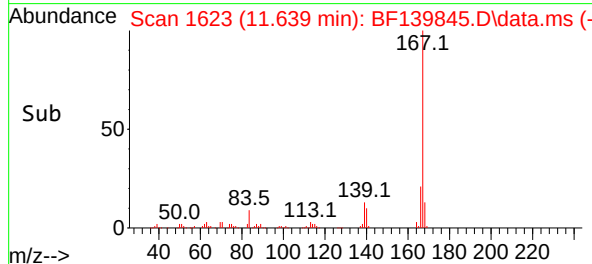
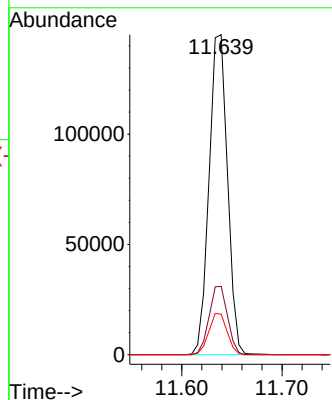
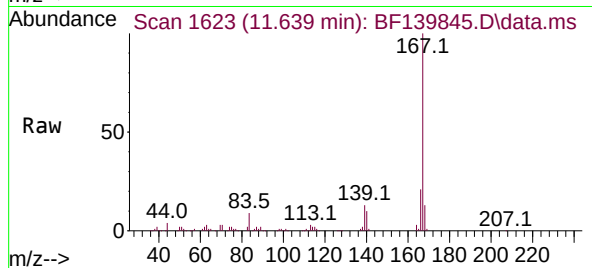




#73  
Carbazole  
Concen: 5.845 ng  
RT: 11.639 min Scan# 1623  
Delta R.T. 0.000 min  
Lab File: BF139845.D  
Acq: 18 Oct 2024 10:55

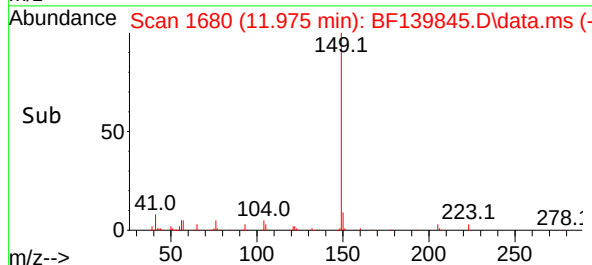
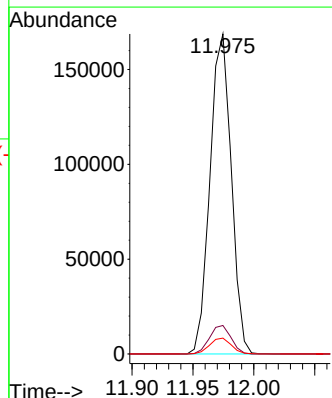
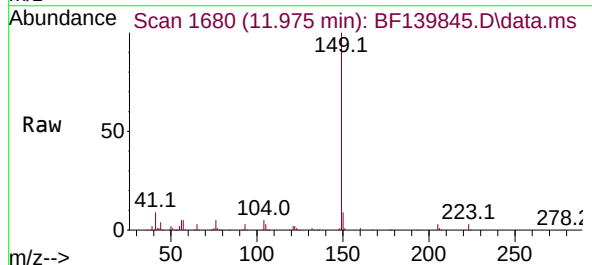
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC005

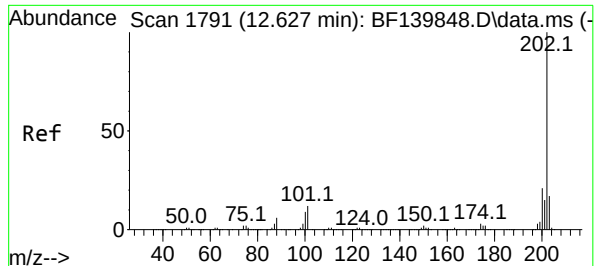
Tgt Ion:167 Resp: 185743  
Ion Ratio Lower Upper  
167 100  
166 21.4 17.0 25.6  
139 12.7 10.8 16.2



#74  
Di-n-butylphthalate  
Concen: 5.574 ng  
RT: 11.975 min Scan# 1680  
Delta R.T. 0.000 min  
Lab File: BF139845.D  
Acq: 18 Oct 2024 10:55

Tgt Ion:149 Resp: 204647  
Ion Ratio Lower Upper  
149 100  
150 8.9 7.5 11.3  
104 5.0 4.1 6.1

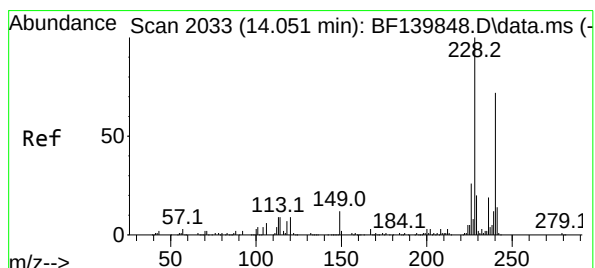
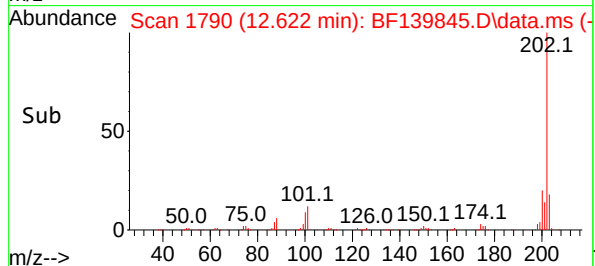
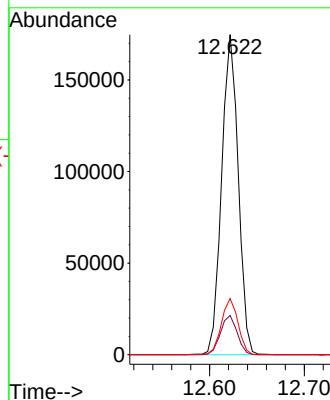
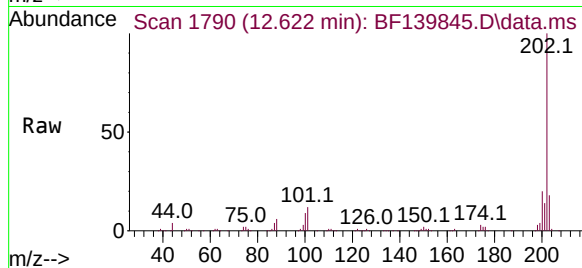




#75  
Fluoranthene  
Concen: 6.017 ng  
RT: 12.622 min Scan# 1791  
Delta R.T. -0.006 min  
Lab File: BF139845.D  
Acq: 18 Oct 2024 10:55

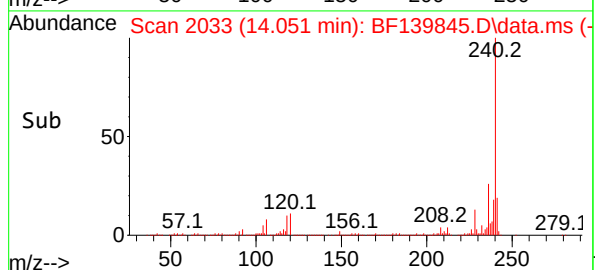
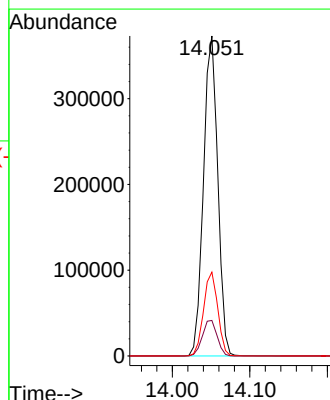
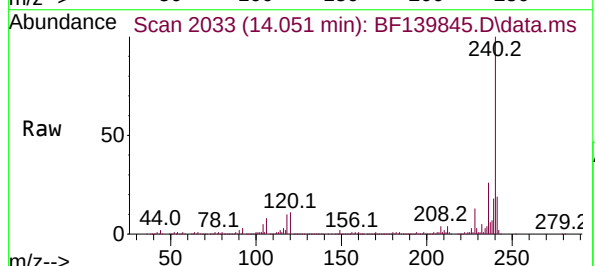
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC005

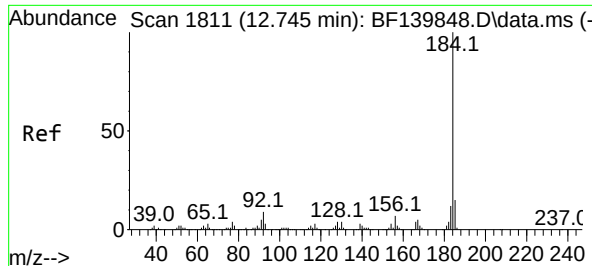
Tgt Ion:202 Resp: 213038  
Ion Ratio Lower Upper  
202 100  
101 12.2 0.0 31.9  
203 17.5 0.0 37.5



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.051 min Scan# 2033  
Delta R.T. 0.000 min  
Lab File: BF139845.D  
Acq: 18 Oct 2024 10:55

Tgt Ion:240 Resp: 477223  
Ion Ratio Lower Upper  
240 100  
120 11.1 9.4 14.2  
236 26.2 20.9 31.3

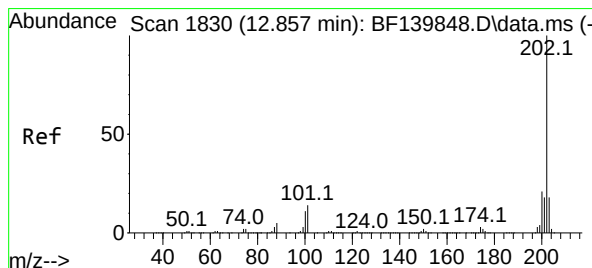
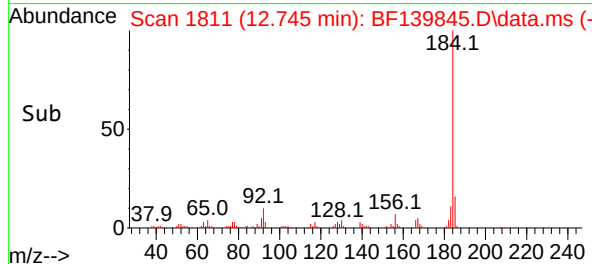
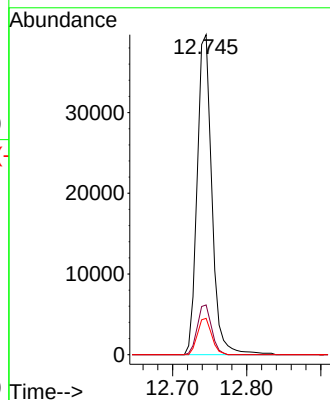
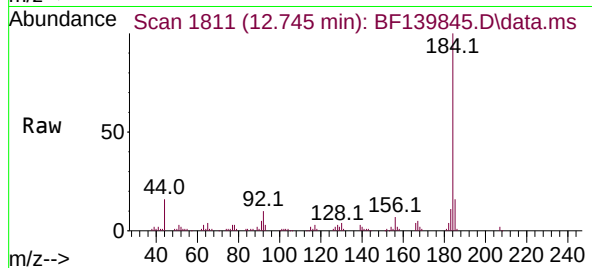




#77  
Benzidine  
Concen: 7.022 ng  
RT: 12.745 min Scan# 1811  
Delta R.T. 0.000 min  
Lab File: BF139845.D  
Acq: 18 Oct 2024 10:55

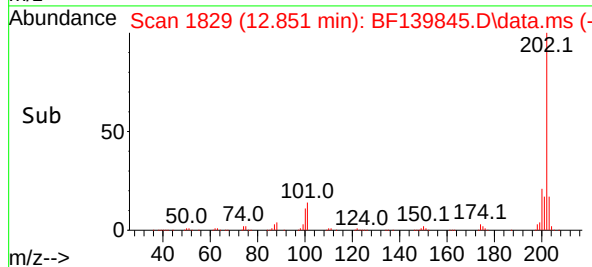
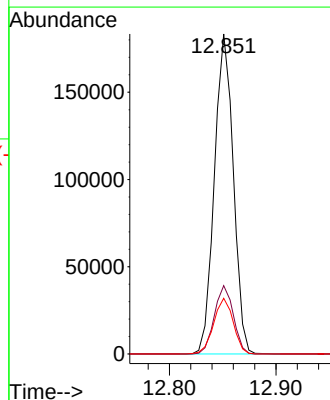
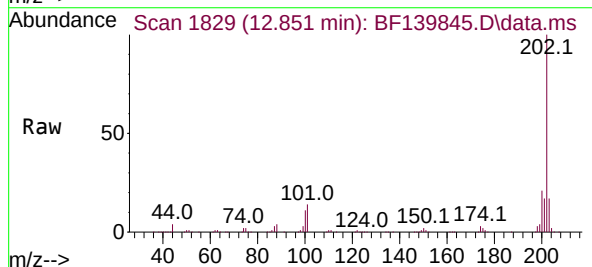
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC005

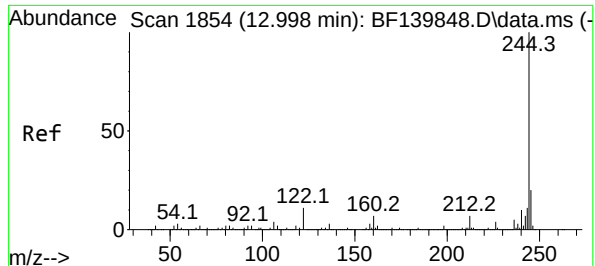
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 184     | 100   |       |       |
| 185     | 15.5  | 12.0  | 18.0  |
| 183     | 11.4  | 9.4   | 14.2  |



#78  
Pyrene  
Concen: 5.404 ng  
RT: 12.851 min Scan# 1829  
Delta R.T. -0.006 min  
Lab File: BF139845.D  
Acq: 18 Oct 2024 10:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 21.3  | 17.2  | 25.8  |
| 203     | 17.4  | 14.2  | 21.4  |





#79

Terphenyl-d14

Concen: 11.248 ng

RT: 12.992 min Scan# 1853

Delta R.T. -0.006 min

Lab File: BF139845.D

Acq: 18 Oct 2024 10:55

Instrument :

BNA\_F

ClientSampleId :

SSTDICC005

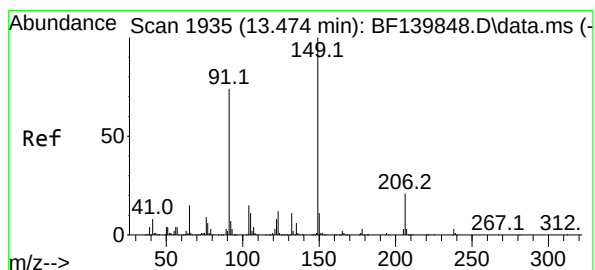
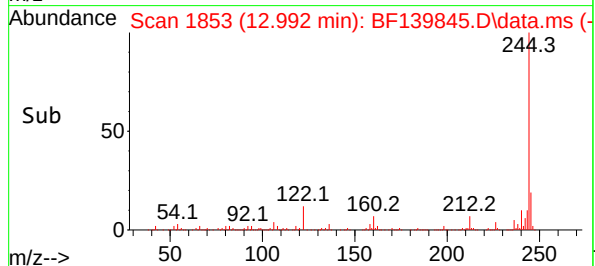
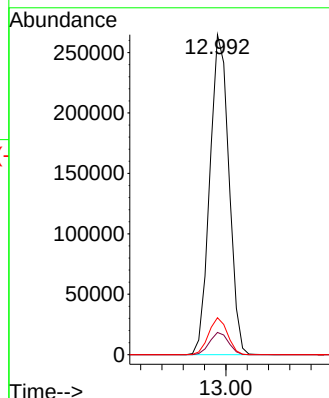
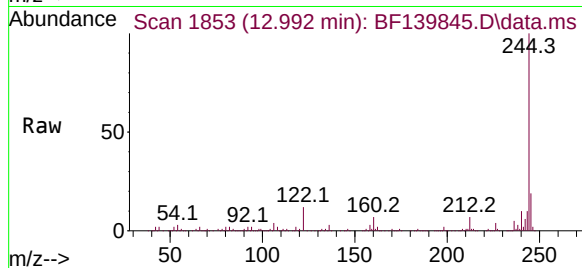
Tgt Ion:244 Resp: 329424

Ion Ratio Lower Upper

244 100

212 7.0 5.7 8.5

122 11.6 8.6 13.0



#80

Butylbenzylphthalate

Concen: 4.671 ng

RT: 13.474 min Scan# 1935

Delta R.T. 0.000 min

Lab File: BF139845.D

Acq: 18 Oct 2024 10:55

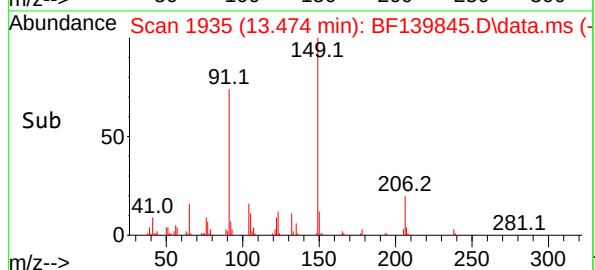
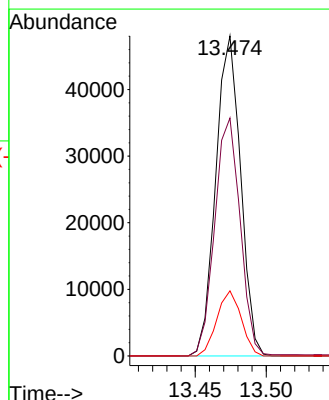
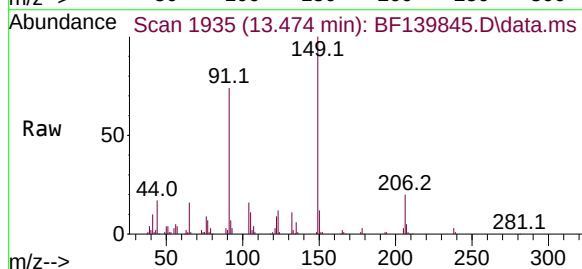
Tgt Ion:149 Resp: 58502

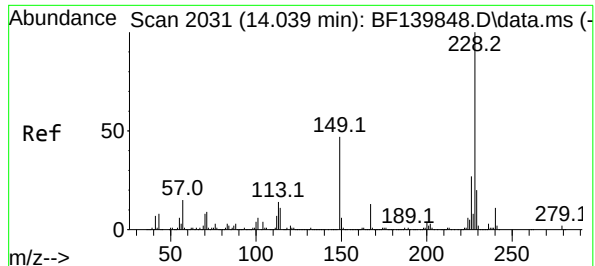
Ion Ratio Lower Upper

149 100

91 74.4 59.4 89.2

206 20.3 16.4 24.6

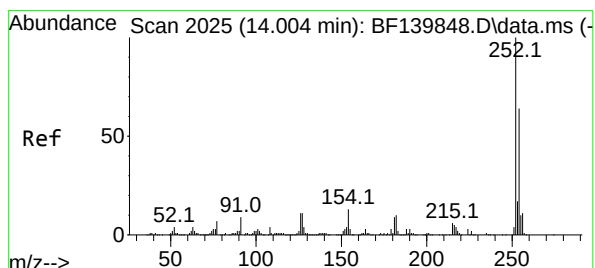
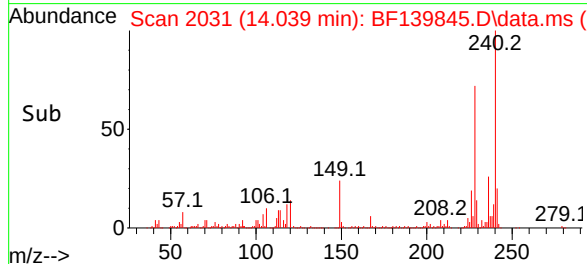
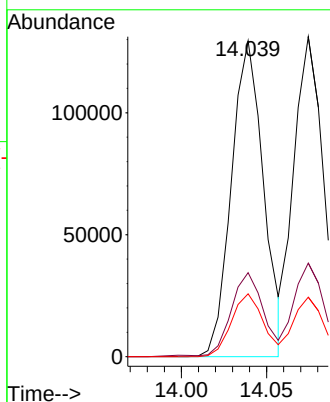
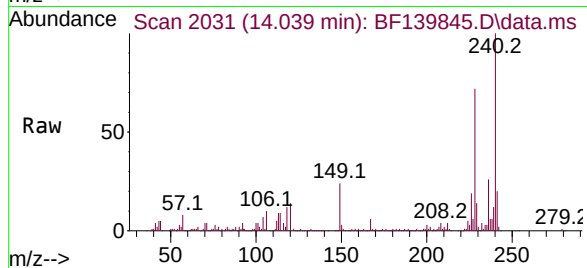




#81  
Benzo(a)anthracene  
Concen: 5.473 ng  
RT: 14.039 min Scan# 2031  
Delta R.T. 0.000 min  
Lab File: BF139845.D  
Acq: 18 Oct 2024 10:55

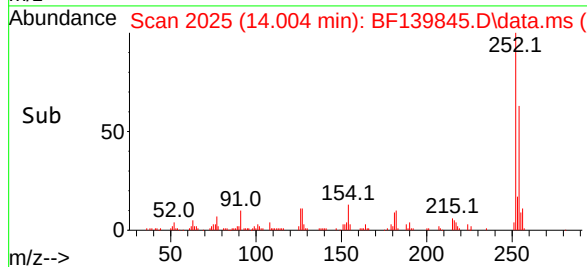
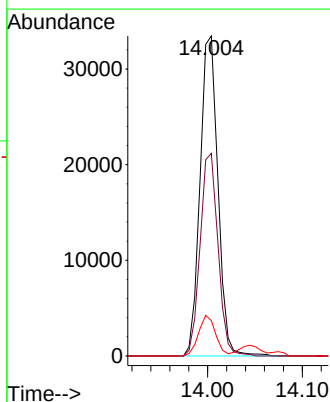
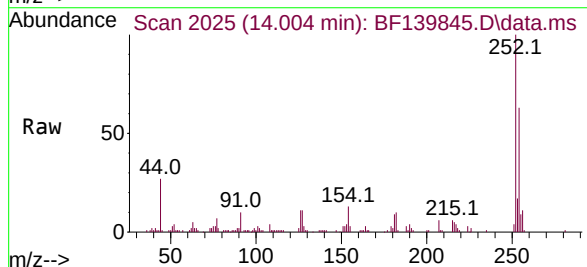
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC005

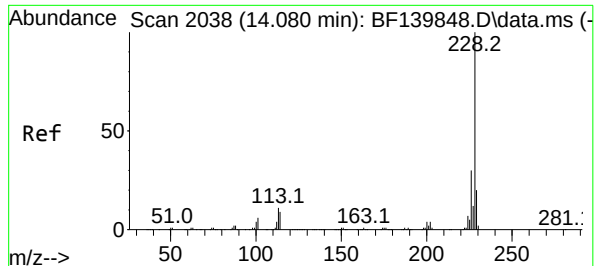
Tgt Ion:228 Resp: 170026  
Ion Ratio Lower Upper  
228 100  
226 26.6 21.6 32.4  
229 19.9 16.1 24.1



#82  
3,3'-Dichlorobenzidine  
Concen: 4.851 ng  
RT: 14.004 min Scan# 2025  
Delta R.T. 0.000 min  
Lab File: BF139845.D  
Acq: 18 Oct 2024 10:55

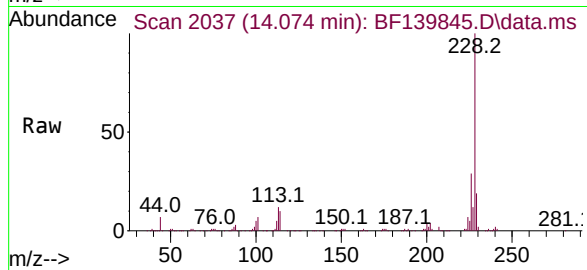
Tgt Ion:252 Resp: 43937  
Ion Ratio Lower Upper  
252 100  
254 63.3 50.8 76.2  
126 11.1 8.9 13.3



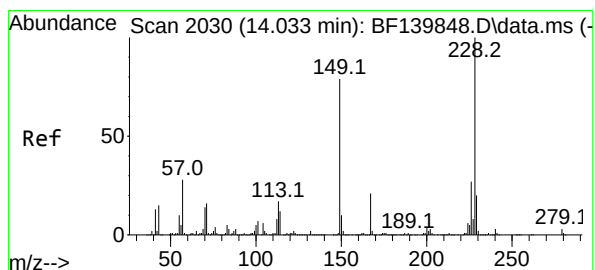
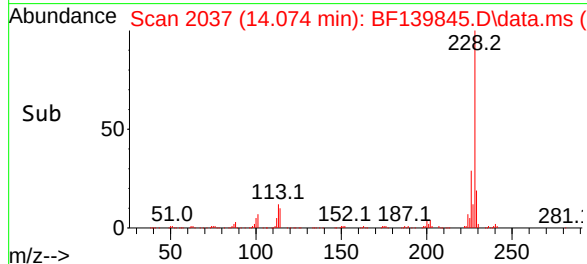
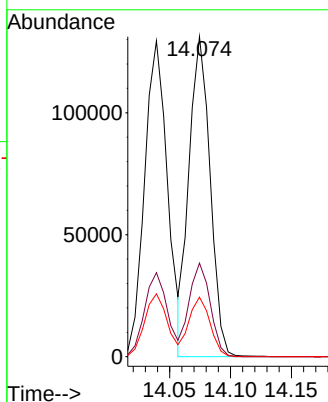


#83  
Chrysene  
Concen: 5.551 ng  
RT: 14.074 min Scan# 2037  
Delta R.T. -0.006 min  
Lab File: BF139845.D  
Acq: 18 Oct 2024 10:55

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC005

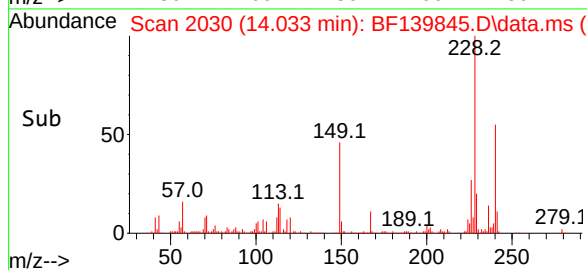
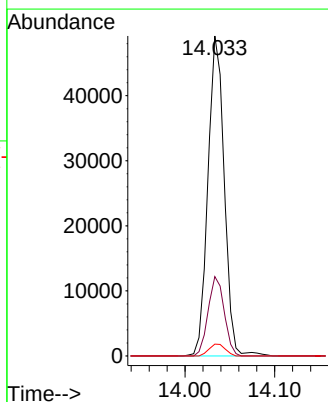
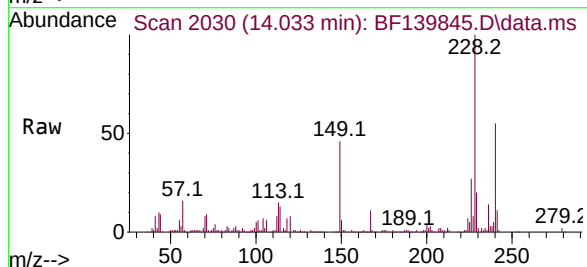


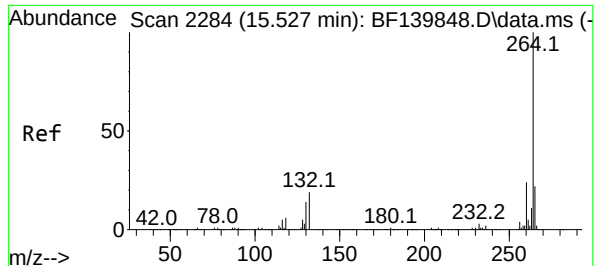
Tgt Ion:228 Resp: 158121  
Ion Ratio Lower Upper  
228 100  
226 29.3 24.1 36.1  
229 18.6 15.8 23.6



#84  
Bis(2-ethylhexyl)phthalate  
Concen: 4.419 ng  
RT: 14.033 min Scan# 2030  
Delta R.T. 0.000 min  
Lab File: BF139845.D  
Acq: 18 Oct 2024 10:55

Tgt Ion:149 Resp: 62085  
Ion Ratio Lower Upper  
149 100  
167 24.8 21.4 32.0  
279 3.7 3.0 4.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.527 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF139845.D

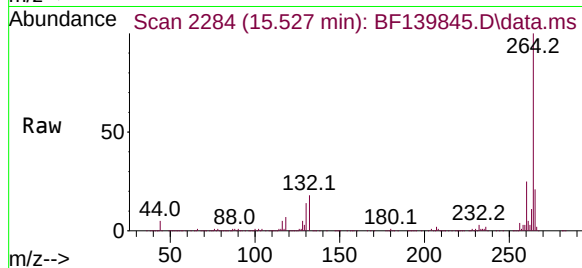
Acq: 18 Oct 2024 10:55

Instrument :

BNA\_F

ClientSampleId :

SSTDICC005



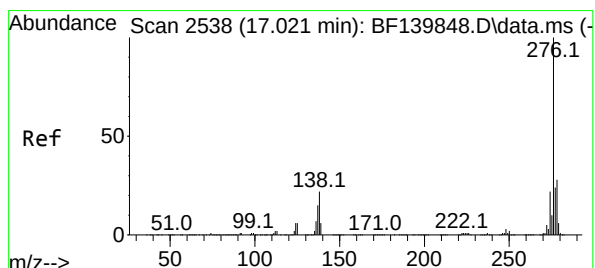
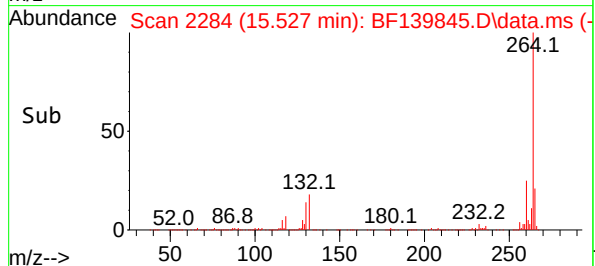
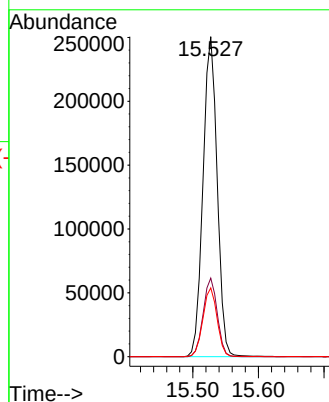
Tgt Ion:264 Resp: 377685

Ion Ratio Lower Upper

264 100

260 24.5 19.4 29.2

265 21.5 17.4 26.0



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.699 ng

RT: 17.010 min Scan# 2536

Delta R.T. -0.012 min

Lab File: BF139845.D

Acq: 18 Oct 2024 10:55

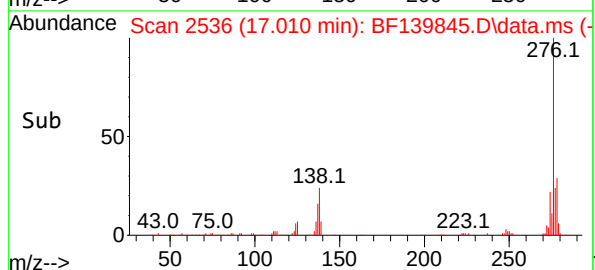
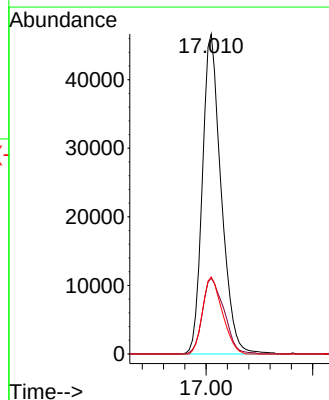
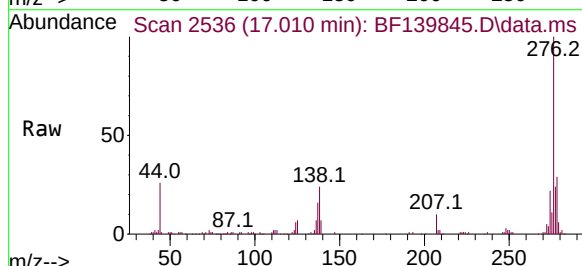
Tgt Ion:276 Resp: 114185

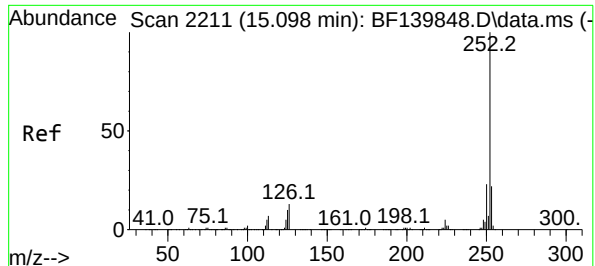
Ion Ratio Lower Upper

276 100

138 27.1 20.4 30.6

277 25.3 20.2 30.4





#88

Benzo(b)fluoranthene

Concen: 5.405 ng

RT: 15.092 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF139845.D

Acq: 18 Oct 2024 10:55

Instrument :

BNA\_F

ClientSampleId :

SSTDICC005

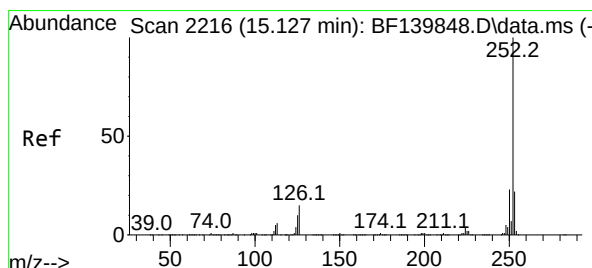
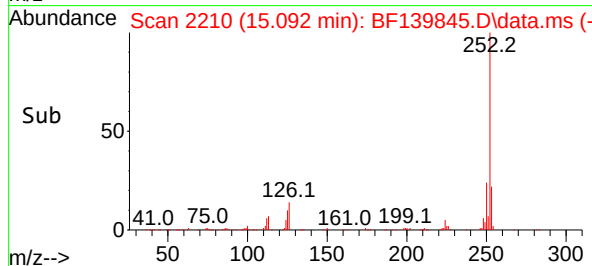
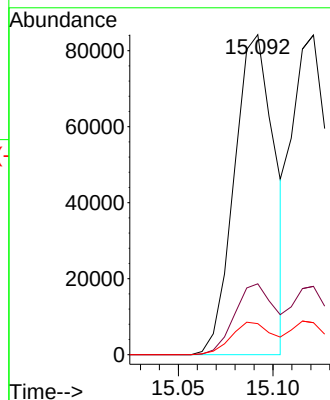
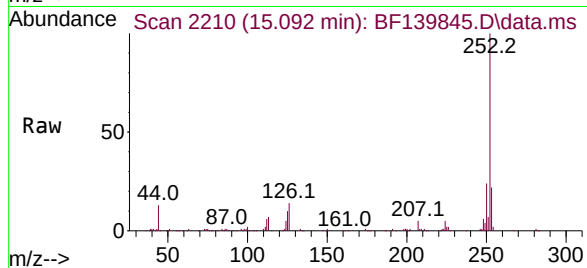
Tgt Ion:252 Resp: 124353

Ion Ratio Lower Upper

252 100

253 22.2 17.6 26.4

125 9.7 7.9 11.9



#89

Benzo(k)fluoranthene

Concen: 5.772 ng

RT: 15.121 min Scan# 2215

Delta R.T. -0.006 min

Lab File: BF139845.D

Acq: 18 Oct 2024 10:55

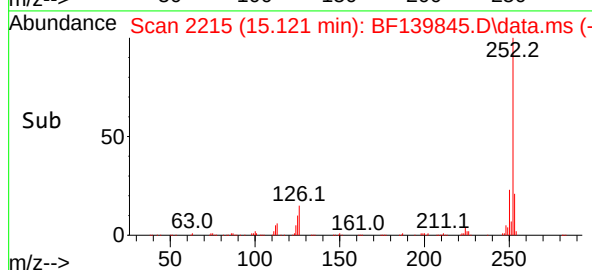
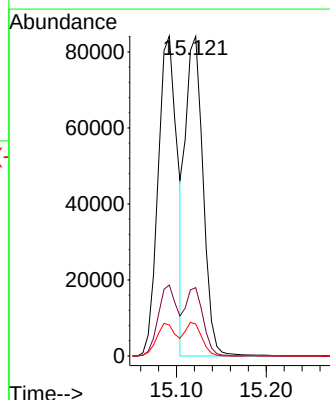
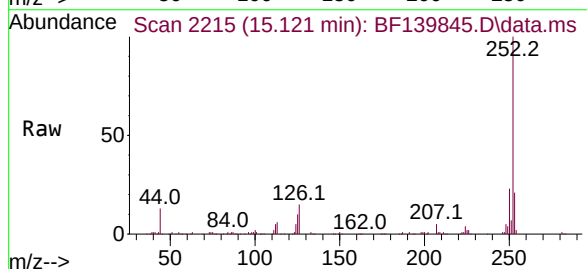
Tgt Ion:252 Resp: 114525

Ion Ratio Lower Upper

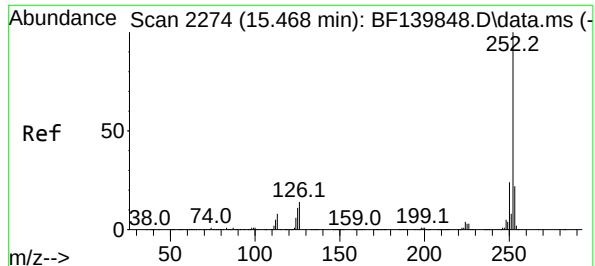
252 100

253 21.4 17.6 26.4

125 10.0 7.9 11.9



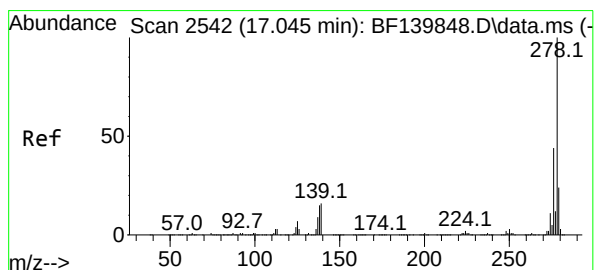
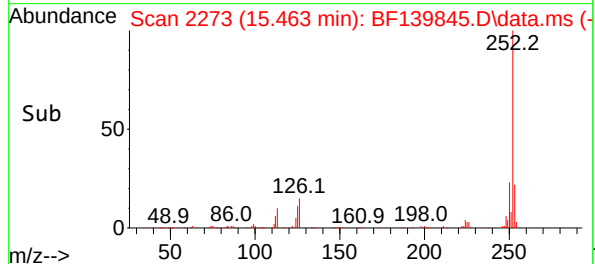
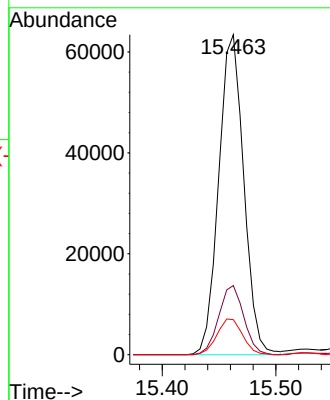
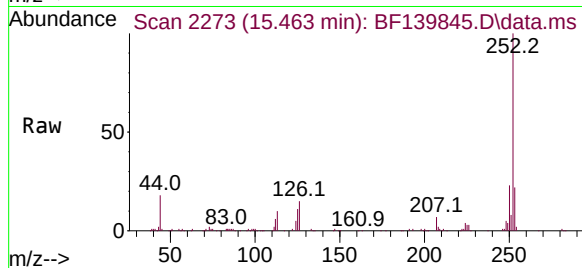




#90  
Benzo(a)pyrene  
Concen: 5.137 ng  
RT: 15.463 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: BF139845.D  
Acq: 18 Oct 2024 10:55

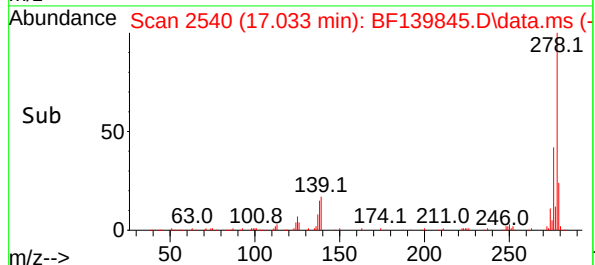
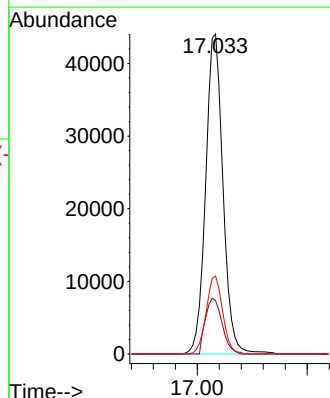
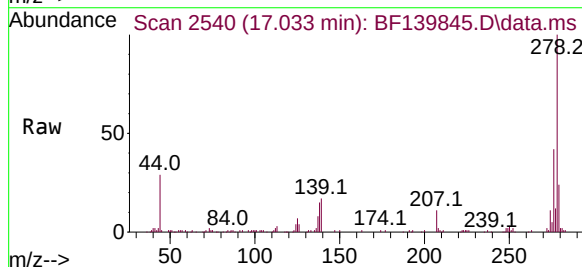
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC005

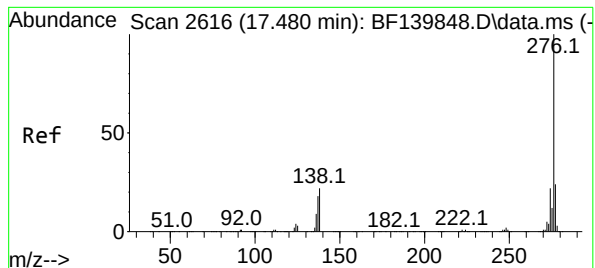
Tgt Ion:252 Resp: 97243  
Ion Ratio Lower Upper  
252 100  
253 21.6 17.3 25.9  
125 10.9 8.7 13.1



#91  
Dibenzo(a,h)anthracene  
Concen: 4.757 ng  
RT: 17.033 min Scan# 2540  
Delta R.T. -0.012 min  
Lab File: BF139845.D  
Acq: 18 Oct 2024 10:55

Tgt Ion:278 Resp: 96416  
Ion Ratio Lower Upper  
278 100  
139 16.6 13.1 19.7  
279 24.4 19.0 28.4





#92

Benzo(g,h,i)perylene

Concen: 4.805 ng

RT: 17.457 min Scan# 20

Delta R.T. -0.023 min

Lab File: BF139845.D

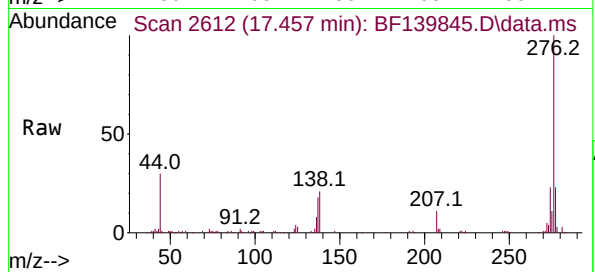
Acq: 18 Oct 2024 10:55

Instrument :

BNA\_F

ClientSampleId :

SSTDICC005



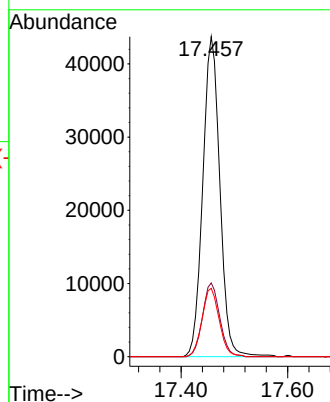
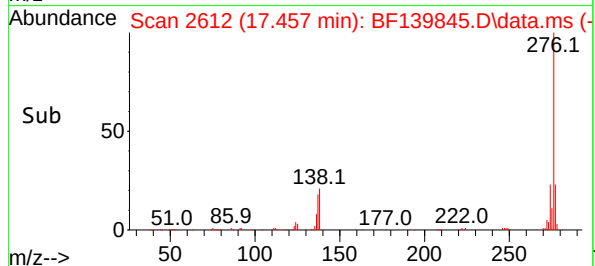
Tgt Ion:276 Resp: 97292

Ion Ratio Lower Upper

276 100

277 23.1 19.0 28.6

138 21.3 17.4 26.0



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF101824\  
 Data File : BF139846.D  
 Acq On : 18 Oct 2024 11:23  
 Operator : RC/JU  
 Sample : SSTDICC010  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDICC010

Quant Time: Oct 18 14:17:15 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101824.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Oct 18 14:11:20 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.887  | 152  | 188831   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.169  | 136  | 733621   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.928  | 164  | 411556   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.410 | 188  | 732661   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 14.051 | 240  | 452443   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12              | 15.527 | 264  | 375863   | 20.000 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.493  | 112  | 264054   | 21.891 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.498  | 99   | 343334   | 21.977 | ng    | -0.01    |
| 23) Nitrobenzene-d5           | 7.445  | 82   | 268128   | 20.257 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.710 | 330  | 80655    | 20.952 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.245  | 172  | 574563   | 23.073 | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.998 | 244  | 603787   | 21.745 | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.681  | 88   | 58969    | 10.485 | ng    | 97       |
| 3) Pyridine                   | 3.440  | 79   | 148260   | 10.636 | ng    | 97       |
| 4) n-Nitrosodimethylamine     | 3.375  | 42   | 75504    | 10.081 | ng    | 96       |
| 6) Aniline                    | 6.546  | 93   | 155680   | 10.692 | ng    | 98       |
| 8) 2-Chlorophenol             | 6.669  | 128  | 134290   | 10.890 | ng    | 99       |
| 9) Benzaldehyde               | 6.440  | 77   | 107330   | 12.213 | ng    | 98       |
| 10) Phenol                    | 6.510  | 94   | 172965   | 10.549 | ng    | 98       |
| 11) bis(2-Chloroethyl)ether   | 6.616  | 93   | 134367   | 10.794 | ng    | 100      |
| 12) 1,3-Dichlorobenzene       | 6.828  | 146  | 156338   | 11.045 | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 6.904  | 146  | 154957   | 10.957 | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 7.057  | 146  | 149129   | 11.299 | ng    | 98       |
| 15) Benzyl Alcohol            | 7.022  | 79   | 122669   | 10.704 | ng    | 99       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.163  | 45   | 227443   | 10.715 | ng    | 99       |
| 17) 2-Methylphenol            | 7.128  | 107  | 109901   | 10.452 | ng    | 98       |
| 18) Hexachloroethane          | 7.404  | 117  | 53892    | 10.686 | ng    | 99       |
| 19) n-Nitroso-di-n-propyla... | 7.293  | 70   | 100635   | 10.621 | ng    | 98       |
| 20) 3+4-Methylphenols         | 7.275  | 107  | 148497   | 11.041 | ng    | # 90     |
| 22) Acetophenone              | 7.293  | 105  | 195595   | 10.885 | ng    | 96       |
| 24) Nitrobenzene              | 7.463  | 77   | 147356   | 10.154 | ng    | 98       |
| 25) Isophorone                | 7.698  | 82   | 260247   | 10.359 | ng    | 98       |
| 26) 2-Nitrophenol             | 7.781  | 139  | 50159    | 9.162  | ng    | 100      |
| 27) 2,4-Dimethylphenol        | 7.810  | 122  | 94947    | 10.400 | ng    | 99       |
| 28) bis(2-Chloroethoxy)met... | 7.916  | 93   | 161423   | 10.605 | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 8.016  | 162  | 109102   | 10.492 | ng    | 100      |
| 30) 1,2,4-Trichlorobenzene    | 8.110  | 180  | 121232   | 10.537 | ng    | 99       |
| 31) Naphthalene               | 8.192  | 128  | 411053   | 10.864 | ng    | 99       |
| 32) Benzoic acid              | 7.869  | 122  | 64294    | 8.075  | ng    | 99       |
| 33) 4-Chloroaniline           | 8.234  | 127  | 140021   | 10.853 | ng    | 100      |
| 34) Hexachlorobutadiene       | 8.310  | 225  | 75740    | 10.477 | ng    | 99       |
| 35) Caprolactam               | 8.569  | 113  | 33908    | 10.256 | ng    | 99       |
| 36) 4-Chloro-3-methylphenol   | 8.704  | 107  | 120339   | 10.452 | ng    | 98       |
| 37) 2-Methylnaphthalene       | 8.881  | 142  | 252554   | 10.899 | ng    | 99       |
| 38) 1-Methylnaphthalene       | 8.981  | 142  | 250609   | 11.023 | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 9.045  | 216  | 119227   | 10.738 | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 9.039  | 237  | 39754    | 10.290 | ng    | 98       |
| 43) 2,4,6-Trichlorophenol     | 9.151  | 196  | 78578    | 9.996  | ng    | 99       |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF101824\  
 Data File : BF139846.D  
 Acq On : 18 Oct 2024 11:23  
 Operator : RC/JU  
 Sample : SSTDICC010  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDICC010

Quant Time: Oct 18 14:17:15 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101824.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Oct 18 14:11:20 2024  
 Response via : Initial Calibration

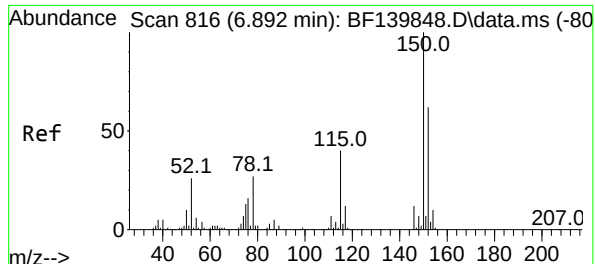
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.187  | 196  | 87482    | 10.787 | ng    | 100      |
| 46) 1,1'-Biphenyl             | 9.345  | 154  | 316146   | 11.035 | ng    | 99       |
| 47) 2-Chloronaphthalene       | 9.369  | 162  | 252140   | 10.927 | ng    | 98       |
| 48) 2-Nitroaniline            | 9.457  | 65   | 65425    | 9.270  | ng    | 98       |
| 49) Acenaphthylene            | 9.787  | 152  | 361398   | 10.833 | ng    | 99       |
| 50) Dimethylphthalate         | 9.639  | 163  | 276645   | 10.792 | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 9.698  | 165  | 54824    | 9.877  | ng    | 95       |
| 52) Acenaphthene              | 9.957  | 154  | 233749   | 10.832 | ng    | 98       |
| 53) 3-Nitroaniline            | 9.869  | 138  | 56574    | 9.884  | ng    | # 98     |
| 54) 2,4-Dinitrophenol         | 9.969  | 184  | 11577    | 11.138 | ng    | # 1      |
| 55) Dibenzofuran              | 10.128 | 168  | 341446   | 11.028 | ng    | 98       |
| 56) 4-Nitrophenol             | 10.010 | 139  | 42688    | 9.694  | ng    | 98       |
| 57) 2,4-Dinitrotoluene        | 10.098 | 165  | 64666    | 9.474  | ng    | 94       |
| 58) Fluorene                  | 10.475 | 166  | 269323   | 11.420 | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.239 | 232  | 66170    | 10.408 | ng    | 97       |
| 60) Diethylphthalate          | 10.345 | 149  | 269178   | 10.694 | ng    | 100      |
| 61) 4-Chlorophenyl-phenyle... | 10.469 | 204  | 131191   | 11.016 | ng    | 97       |
| 62) 4-Nitroaniline            | 10.475 | 138  | 53288    | 9.857  | ng    | 98       |
| 63) Azobenzene                | 10.622 | 77   | 284960   | 10.679 | ng    | 100      |
| 65) 4,6-Dinitro-2-methylph... | 10.504 | 198  | 20120    | 6.732  | ng    | 97       |
| 66) n-Nitrosodiphenylamine    | 10.581 | 169  | 234741   | 10.705 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 10.957 | 248  | 79420    | 10.522 | ng    | 98       |
| 68) Hexachlorobenzene         | 11.016 | 284  | 89927    | 10.594 | ng    | 98       |
| 69) Atrazine                  | 11.104 | 200  | 64267    | 10.819 | ng    | 99       |
| 70) Pentachlorophenol         | 11.210 | 266  | 50361    | 9.775  | ng    | 100      |
| 71) Phenanthrene              | 11.433 | 178  | 379233   | 10.958 | ng    | 99       |
| 72) Anthracene                | 11.486 | 178  | 371391   | 10.999 | ng    | 99       |
| 73) Carbazole                 | 11.639 | 167  | 353253   | 11.249 | ng    | 99       |
| 74) Di-n-butylphthalate       | 11.975 | 149  | 392482   | 10.818 | ng    | 99       |
| 75) Fluoranthene              | 12.622 | 202  | 405919   | 11.602 | ng    | 99       |
| 77) Benzidine                 | 12.745 | 184  | 104253   | 14.168 | ng    | 99       |
| 78) Pyrene                    | 12.851 | 202  | 413606   | 10.444 | ng    | 99       |
| 80) Butylbenzylphthalate      | 13.474 | 149  | 116053   | 9.774  | ng    | 100      |
| 81) Benzo(a)anthracene        | 14.039 | 228  | 306594   | 10.410 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 14.004 | 252  | 84205    | 9.806  | ng    | 99       |
| 83) Chrysene                  | 14.074 | 228  | 281467   | 10.423 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 14.033 | 149  | 121932   | 9.153  | ng    | 99       |
| 85) Di-n-octyl phthalate      | 14.651 | 149  | 177824   | 7.339  | ng    | 99       |
| 87) Indeno(1,2,3-cd)pyrene    | 17.010 | 276  | 236914   | 9.798  | ng    | 99       |
| 88) Benzo(b)fluoranthene      | 15.092 | 252  | 232988   | 10.176 | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 15.121 | 252  | 221219   | 11.203 | ng    | 99       |
| 90) Benzo(a)pyrene            | 15.463 | 252  | 192493   | 10.217 | ng    | 100      |
| 91) Dibenzo(a,h)anthracene    | 17.033 | 278  | 199946   | 9.912  | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 17.457 | 276  | 196609   | 9.758  | ng    | 99       |

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

**Instrument :**  
BNA\_F  
**ClientSampleId :**  
SSTDICC010

Abundance

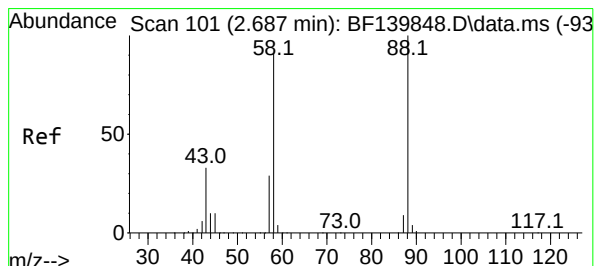
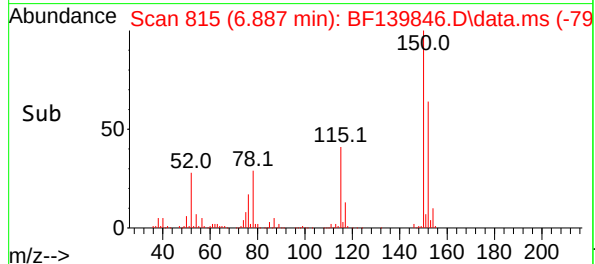
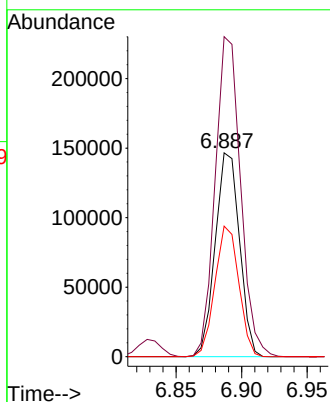
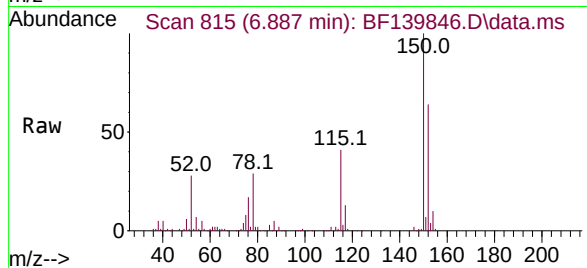
TIC: BF139846.D\data.ms



#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.887 min Scan# 81  
Delta R.T. -0.005 min  
Lab File: BF139846.D  
Acq: 18 Oct 2024 11:23

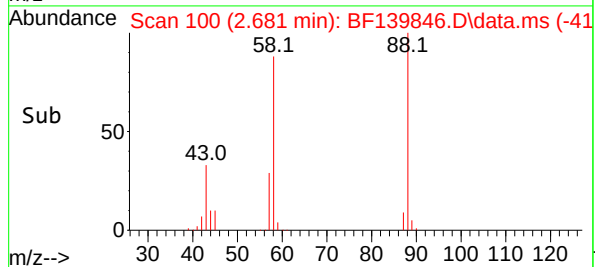
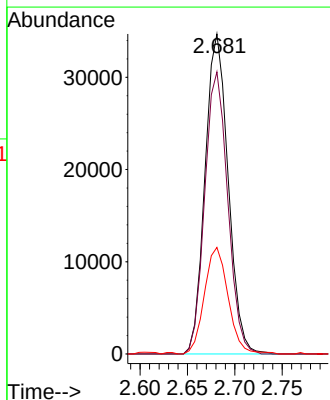
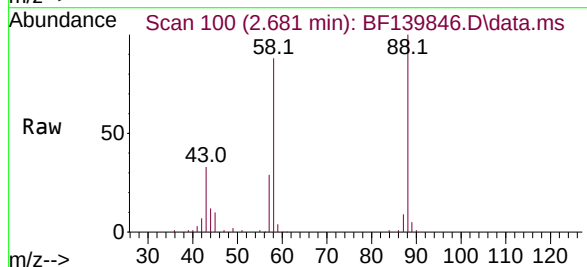
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC010

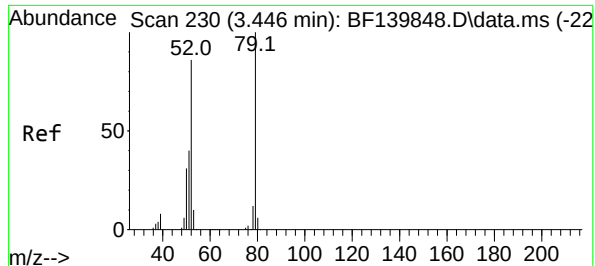
Tgt Ion:152 Resp: 188831  
Ion Ratio Lower Upper  
152 100  
150 157.0 130.2 195.2  
115 64.1 51.4 77.2



#2  
1,4-Dioxane  
Concen: 10.485 ng  
RT: 2.681 min Scan# 100  
Delta R.T. -0.006 min  
Lab File: BF139846.D  
Acq: 18 Oct 2024 11:23

Tgt Ion: 88 Resp: 58969  
Ion Ratio Lower Upper  
88 100  
58 87.5 73.3 109.9  
43 34.3 27.1 40.7





#3

Pyridine

Concen: 10.636 ng

RT: 3.440 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF139846.D

Acq: 18 Oct 2024 11:23

Instrument :

BNA\_F

ClientSampleId :

SSTDICC010

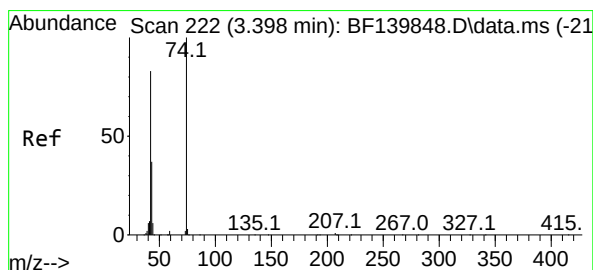
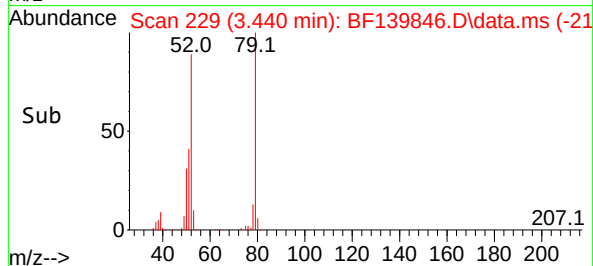
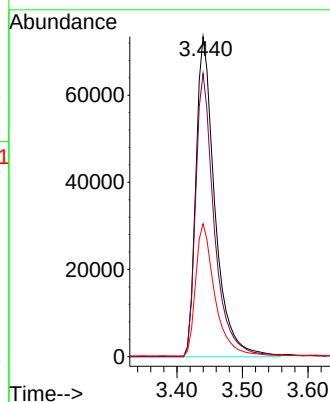
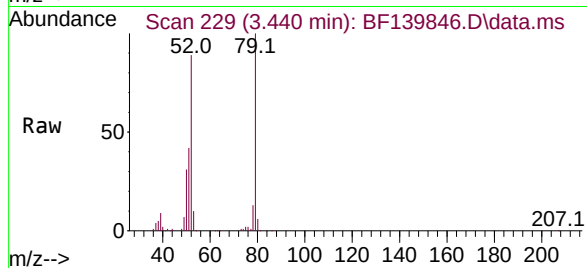
Tgt Ion: 79 Resp: 148260

Ion Ratio Lower Upper

79 100

52 88.5 68.5 102.7

51 41.6 32.3 48.5



#4

n-Nitrosodimethylamine

Concen: 10.081 ng

RT: 3.375 min Scan# 218

Delta R.T. -0.023 min

Lab File: BF139846.D

Acq: 18 Oct 2024 11:23

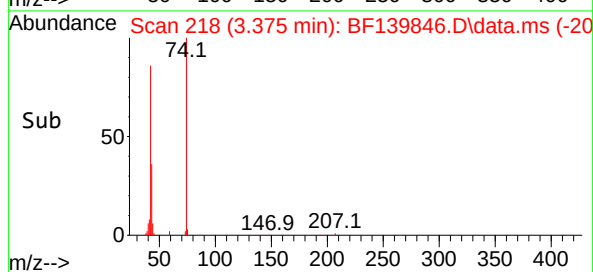
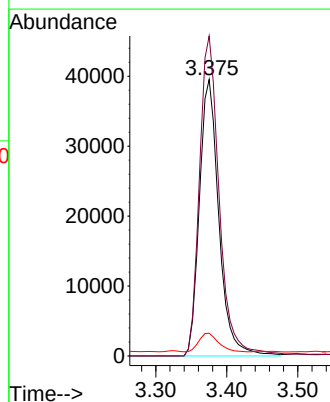
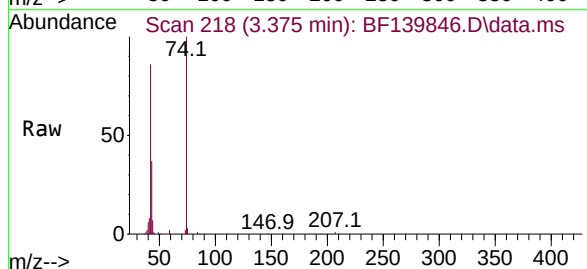
Tgt Ion: 42 Resp: 75504

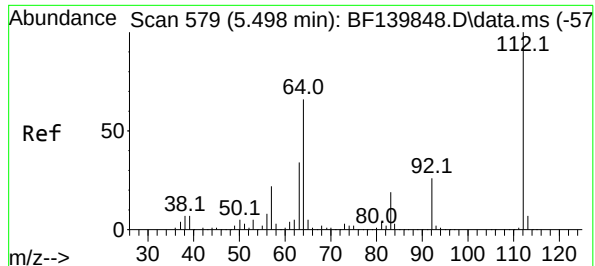
Ion Ratio Lower Upper

42 100

74 115.8 96.2 144.4

44 8.2 6.2 9.2

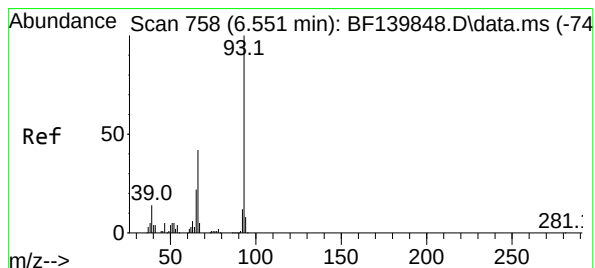
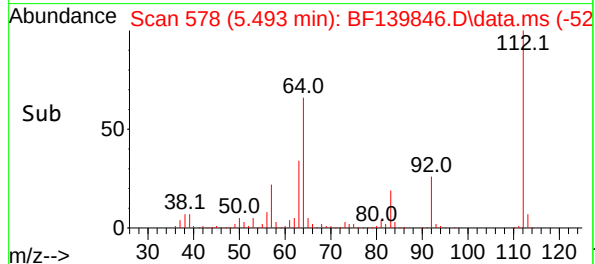
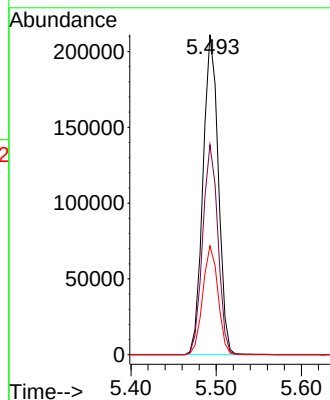
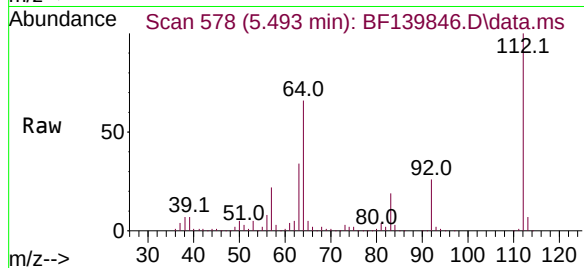




#5  
2-Fluorophenol  
Concen: 21.891 ng  
RT: 5.493 min Scan# 51  
Delta R.T. -0.006 min  
Lab File: BF139846.D  
Acq: 18 Oct 2024 11:23

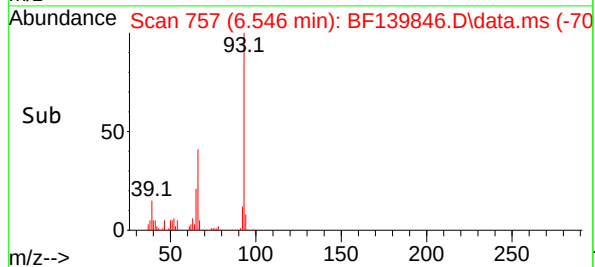
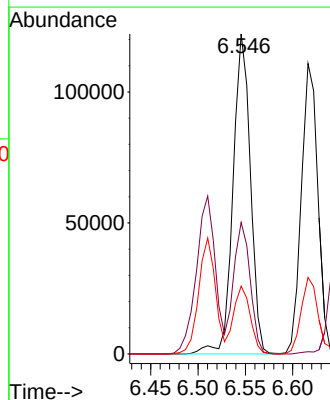
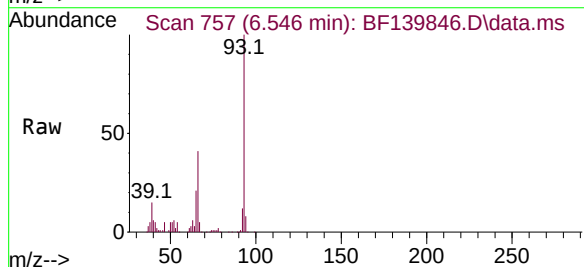
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC010

Tgt Ion:112 Resp: 264054  
Ion Ratio Lower Upper  
112 100  
64 65.6 53.0 79.6  
63 34.0 27.0 40.4

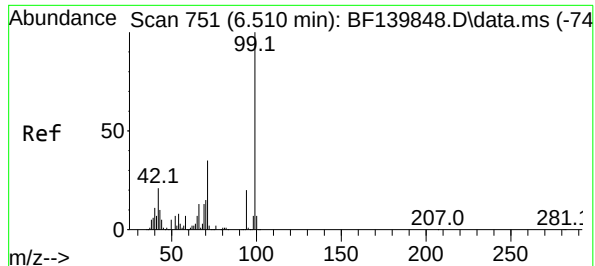


#6  
Aniline  
Concen: 10.692 ng  
RT: 6.546 min Scan# 757  
Delta R.T. -0.006 min  
Lab File: BF139846.D  
Acq: 18 Oct 2024 11:23

Tgt Ion: 93 Resp: 155680  
Ion Ratio Lower Upper  
93 100  
66 41.1 34.0 51.0  
65 21.2 17.4 26.0



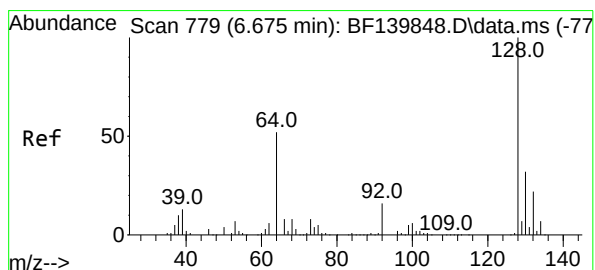
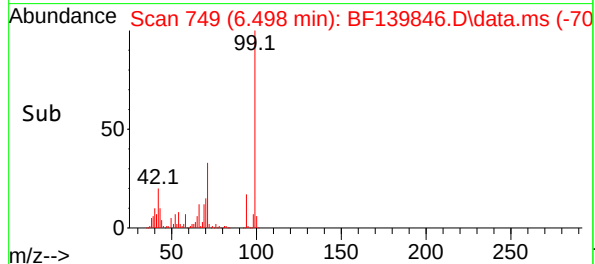
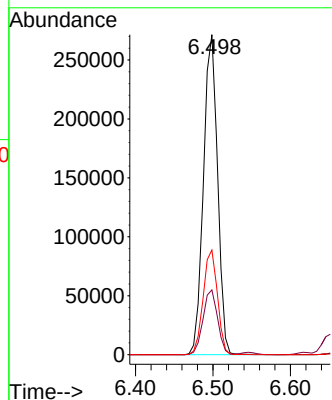
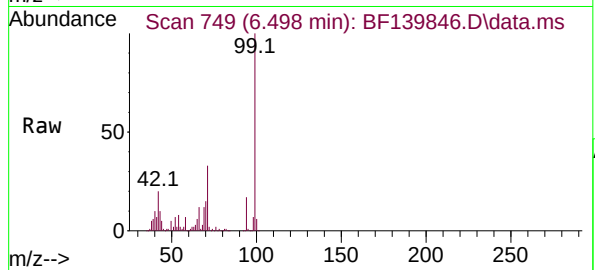




#7  
Phenol-d6  
Concen: 21.977 ng  
RT: 6.498 min Scan# 749  
Delta R.T. -0.012 min  
Lab File: BF139846.D  
Acq: 18 Oct 2024 11:23

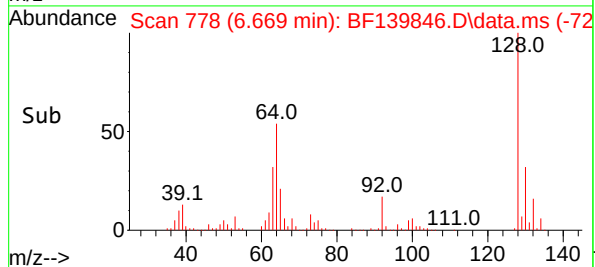
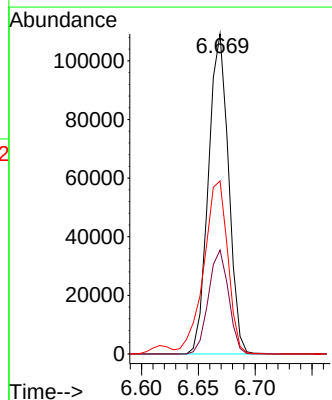
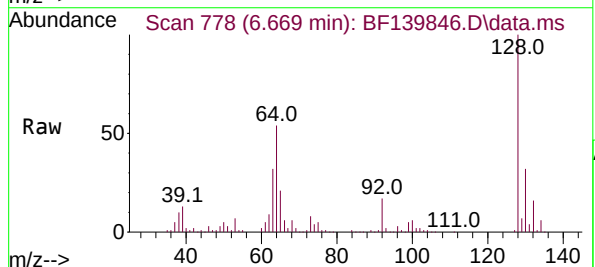
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC010

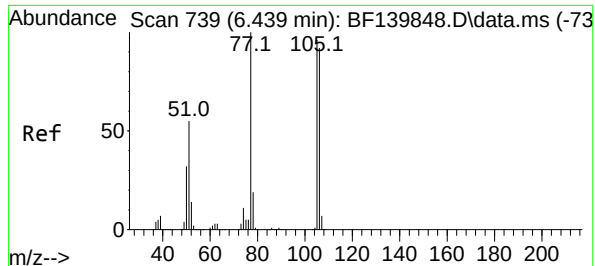
Tgt Ion: 99 Resp: 343334  
Ion Ratio Lower Upper  
99 100  
42 20.3 16.7 25.1  
71 32.7 27.7 41.5



#8  
2-Chlorophenol  
Concen: 10.890 ng  
RT: 6.669 min Scan# 778  
Delta R.T. -0.006 min  
Lab File: BF139846.D  
Acq: 18 Oct 2024 11:23

Tgt Ion: 128 Resp: 134290  
Ion Ratio Lower Upper  
128 100  
130 32.4 12.3 52.3  
64 54.1 34.6 74.6





#9

Benzaldehyde

Concen: 12.213 ng

RT: 6.440 min Scan# 710

Delta R.T. 0.001 min

Lab File: BF139846.D

Acq: 18 Oct 2024 11:23

Instrument :

BNA\_F

ClientSampleId :

SSTDICC010

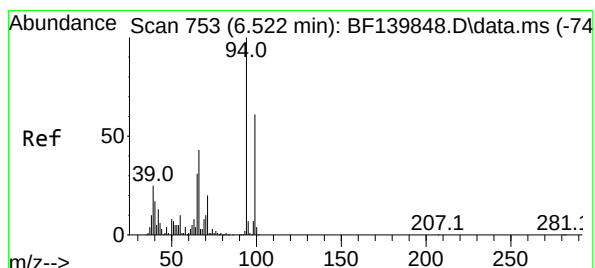
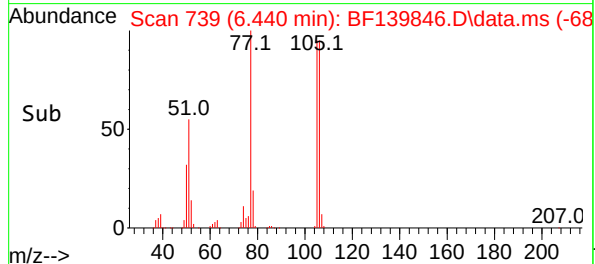
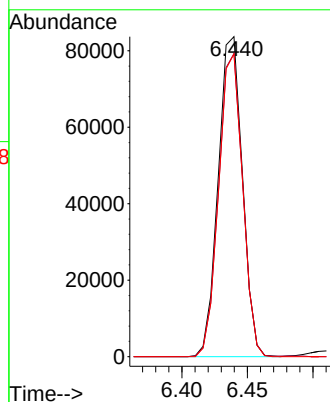
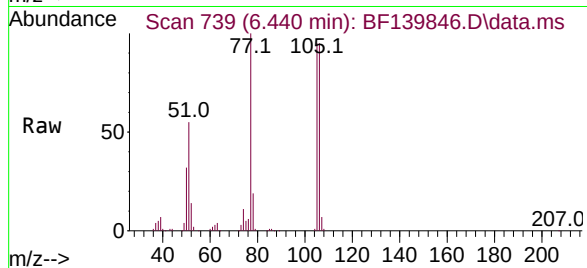
Tgt Ion: 77 Resp: 107330

Ion Ratio Lower Upper

77 100

105 94.7 75.5 115.5

106 94.6 71.7 111.7



#10

Phenol

Concen: 10.549 ng

RT: 6.510 min Scan# 751

Delta R.T. -0.012 min

Lab File: BF139846.D

Acq: 18 Oct 2024 11:23

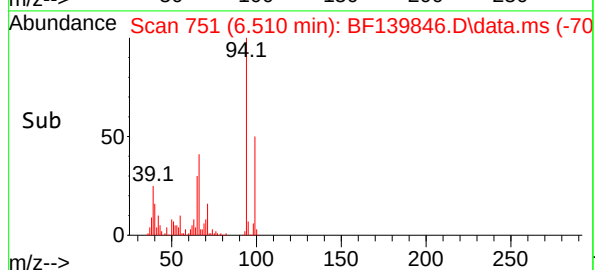
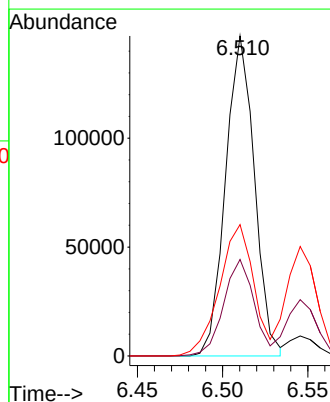
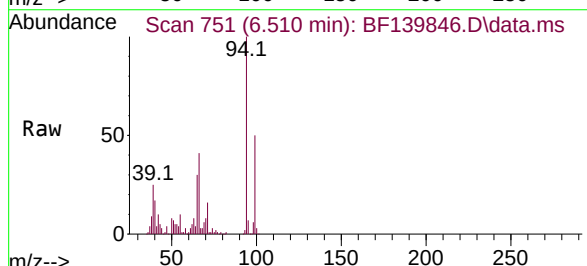
Tgt Ion: 94 Resp: 172965

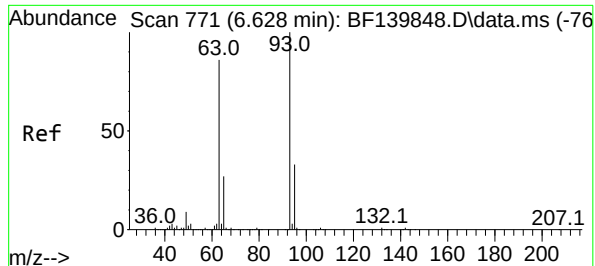
Ion Ratio Lower Upper

94 100

65 30.1 11.1 51.1

66 41.0 22.7 62.7

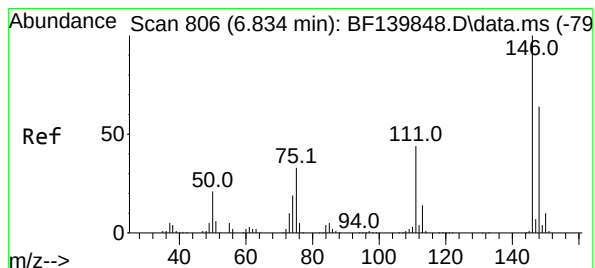
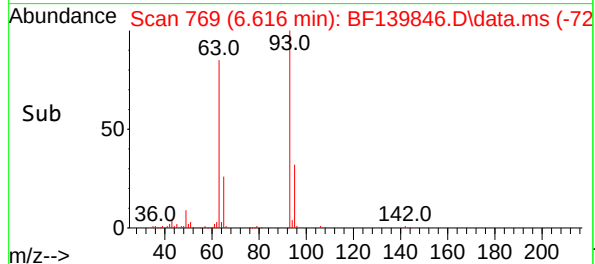
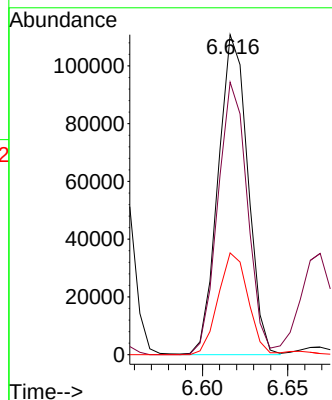
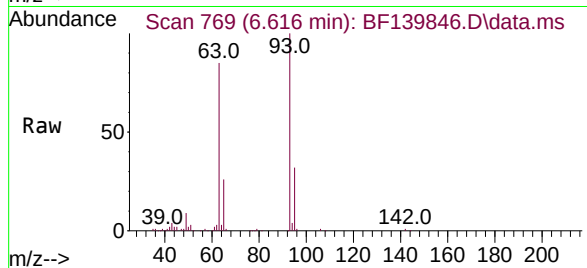




#11  
bis(2-Chloroethyl)ether  
Concen: 10.794 ng  
RT: 6.616 min Scan# 771  
Delta R.T. -0.012 min  
Lab File: BF139846.D  
Acq: 18 Oct 2024 11:23

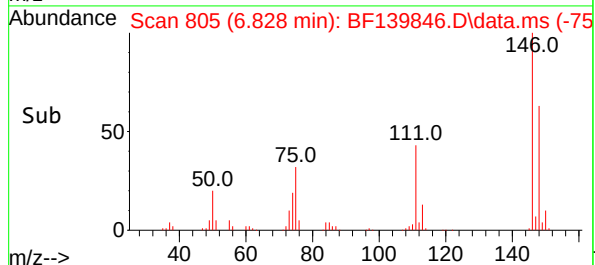
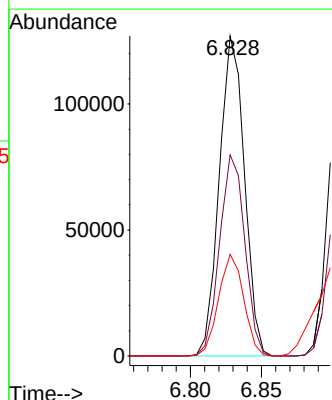
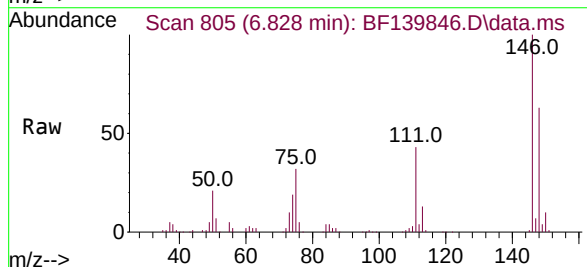
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC010

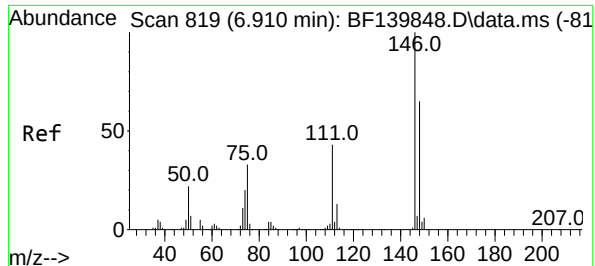
Tgt Ion: 93 Resp: 134367  
Ion Ratio Lower Upper  
93 100  
63 85.2 65.0 105.0  
95 31.8 12.4 52.4



#12  
1,3-Dichlorobenzene  
Concen: 11.045 ng  
RT: 6.828 min Scan# 805  
Delta R.T. -0.006 min  
Lab File: BF139846.D  
Acq: 18 Oct 2024 11:23

Tgt Ion: 146 Resp: 156338  
Ion Ratio Lower Upper  
146 100  
148 62.9 51.0 76.4  
75 31.8 26.4 39.6

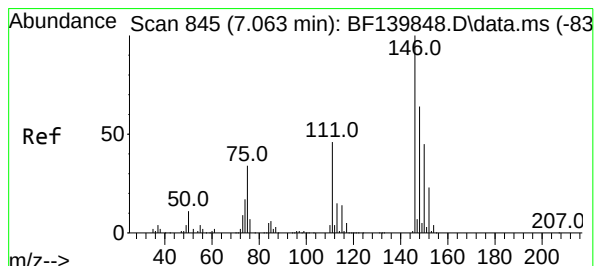
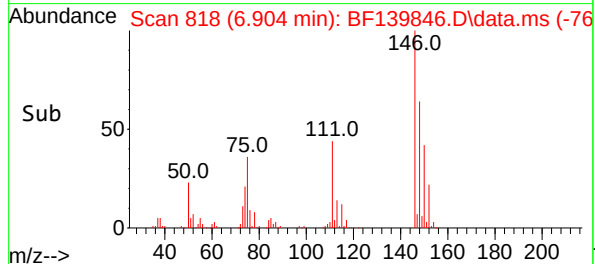
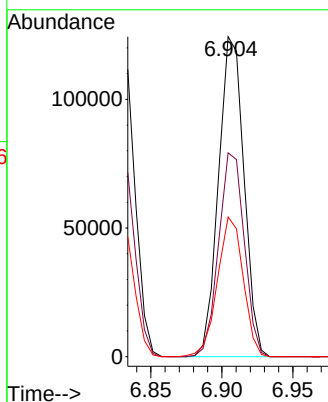
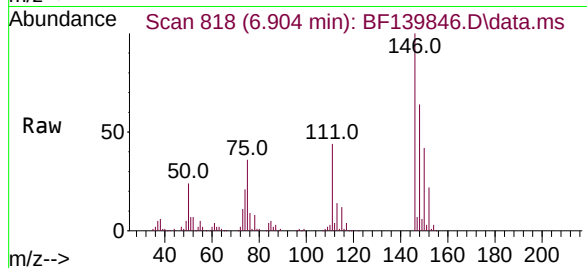




#13  
1,4-Dichlorobenzene  
Concen: 10.957 ng  
RT: 6.904 min Scan# 819  
Delta R.T. -0.006 min  
Lab File: BF139846.D  
Acq: 18 Oct 2024 11:23

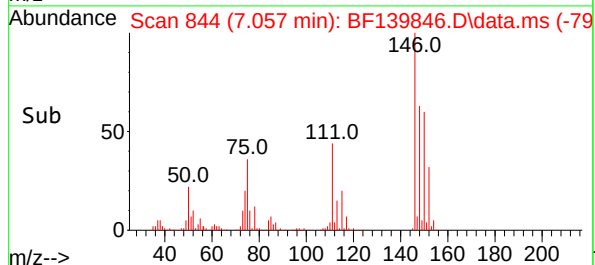
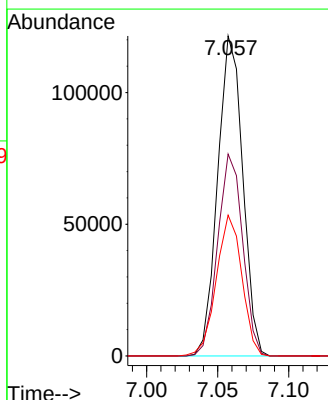
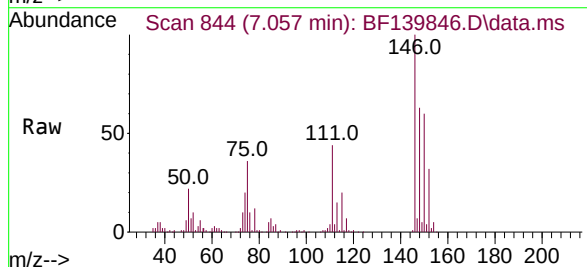
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC010

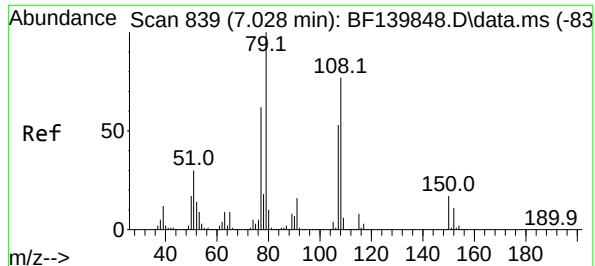
Tgt Ion:146 Resp: 154957  
Ion Ratio Lower Upper  
146 100  
148 63.7 51.8 77.8  
111 43.7 34.6 51.8



#14  
1,2-Dichlorobenzene  
Concen: 11.299 ng  
RT: 7.057 min Scan# 844  
Delta R.T. -0.006 min  
Lab File: BF139846.D  
Acq: 18 Oct 2024 11:23

Tgt Ion:146 Resp: 149129  
Ion Ratio Lower Upper  
146 100  
148 63.1 51.4 77.2  
111 44.0 36.7 55.1





#15

Benzyl Alcohol

Concen: 10.704 ng

RT: 7.022 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF139846.D

Acq: 18 Oct 2024 11:23

Instrument :

BNA\_F

ClientSampleId :

SSTDIC010

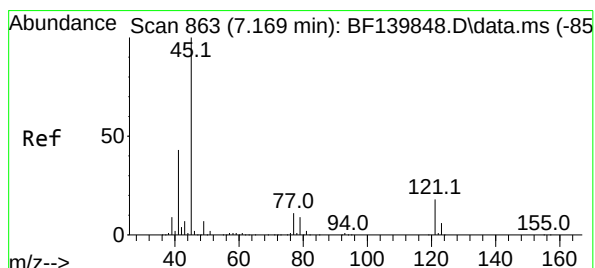
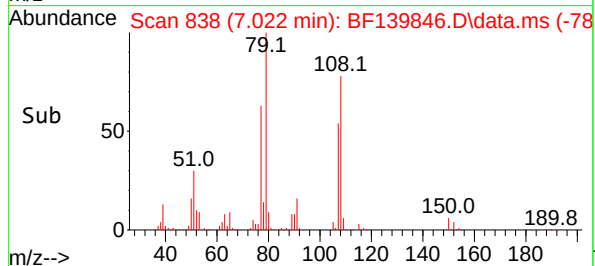
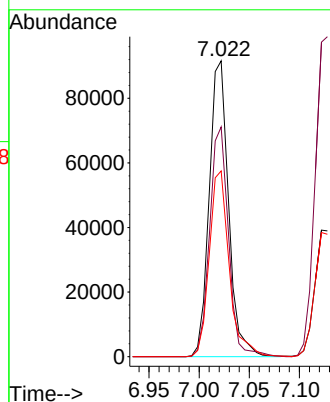
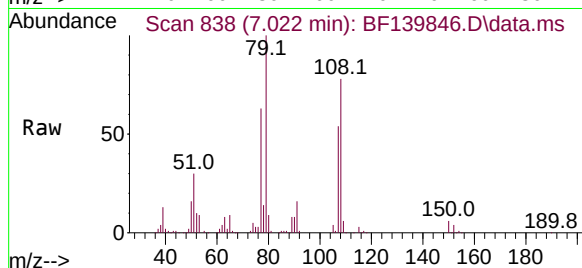
Tgt Ion: 79 Resp: 122669

Ion Ratio Lower Upper

79 100

108 77.7 61.4 92.0

77 62.8 49.9 74.9



#16

2,2'-oxybis(1-Chloropropane)

Concen: 10.715 ng

RT: 7.163 min Scan# 862

Delta R.T. -0.006 min

Lab File: BF139846.D

Acq: 18 Oct 2024 11:23

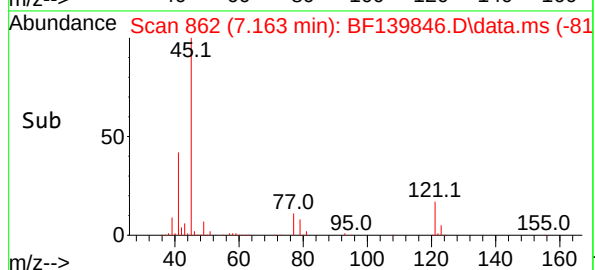
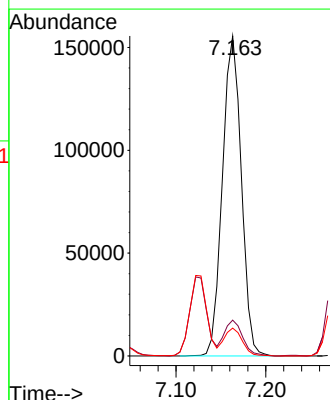
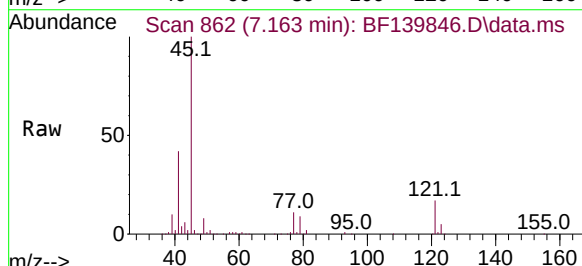
Tgt Ion: 45 Resp: 227443

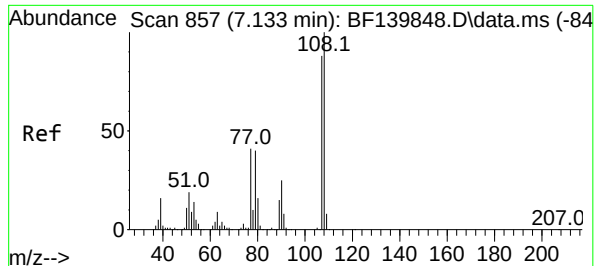
Ion Ratio Lower Upper

45 100

77 11.2 0.0 31.5

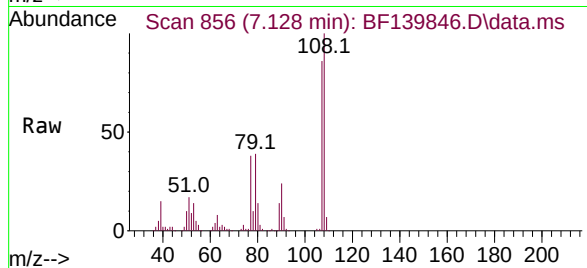
79 8.7 0.0 29.1



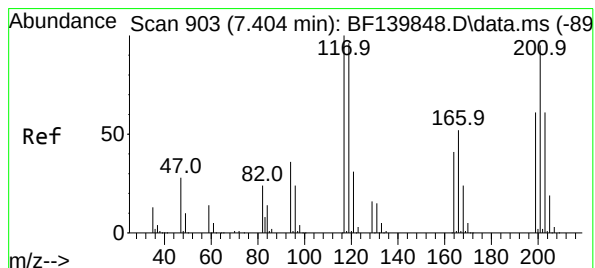
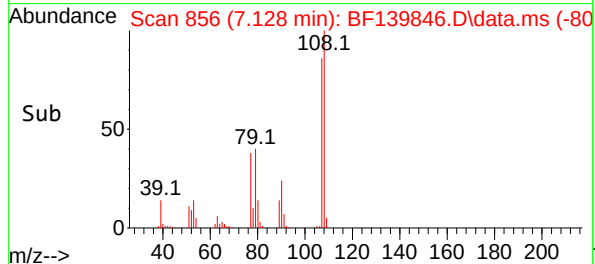
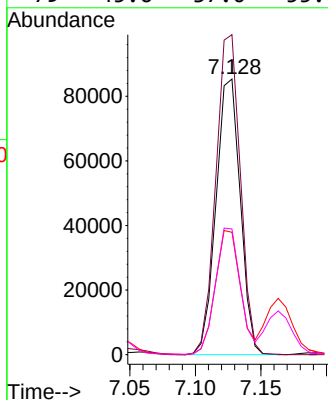


#17  
2-Methylphenol  
Concen: 10.452 ng  
RT: 7.128 min Scan# 856  
Delta R.T. -0.006 min  
Lab File: BF139846.D  
Acq: 18 Oct 2024 11:23

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC010

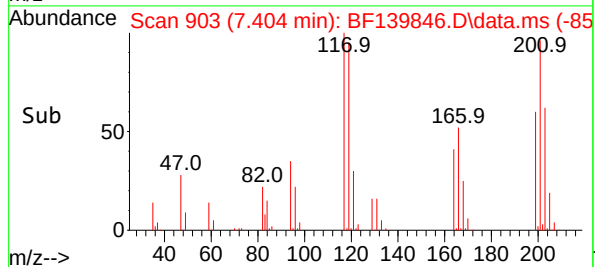
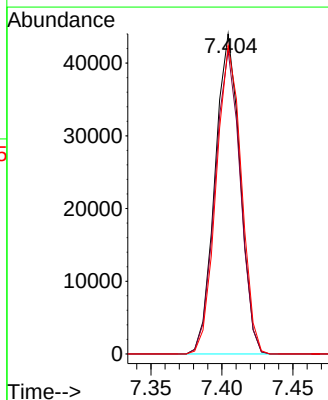
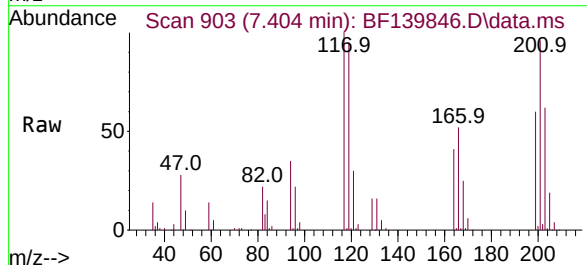


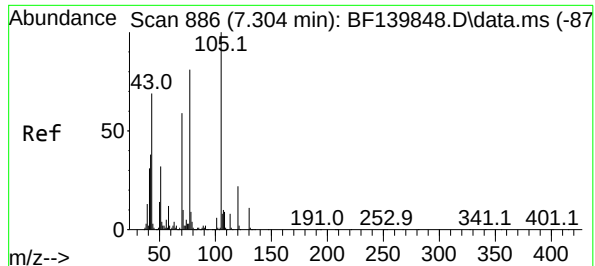
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 109901 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 116.1 | 91.3  | 136.9  |
| 77       | 44.4  | 37.1  | 55.7   |
| 79       | 45.6  | 37.0  | 55.6   |



#18  
Hexachloroethane  
Concen: 10.686 ng  
RT: 7.404 min Scan# 903  
Delta R.T. 0.000 min  
Lab File: BF139846.D  
Acq: 18 Oct 2024 11:23

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 53892 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 119      | 94.7  | 77.0  | 115.4 |
| 201      | 96.4  | 76.2  | 114.4 |

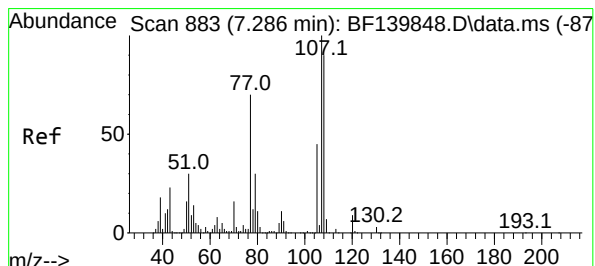
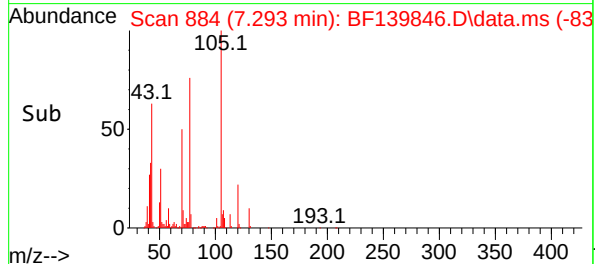
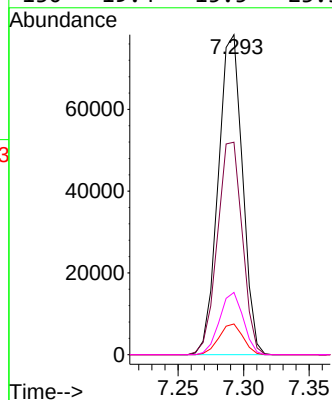
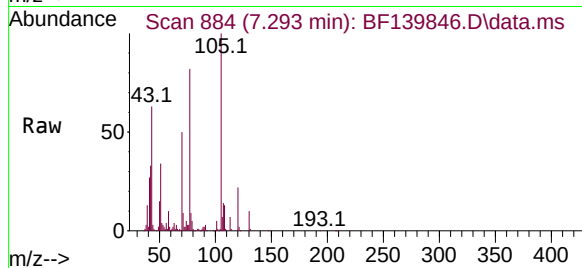




#19  
n-Nitroso-di-n-propylamine  
Concen: 10.621 ng  
RT: 7.293 min Scan# 81  
Delta R.T. -0.012 min  
Lab File: BF139846.D  
Acq: 18 Oct 2024 11:23

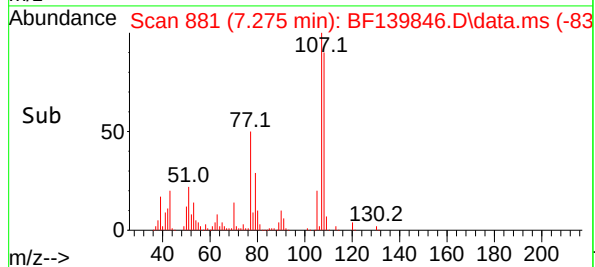
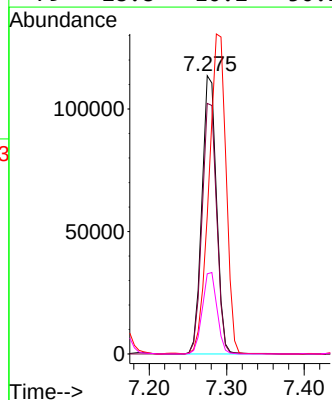
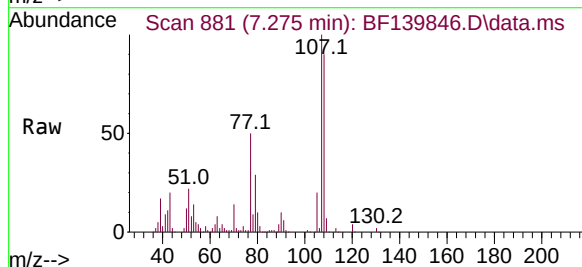
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC010

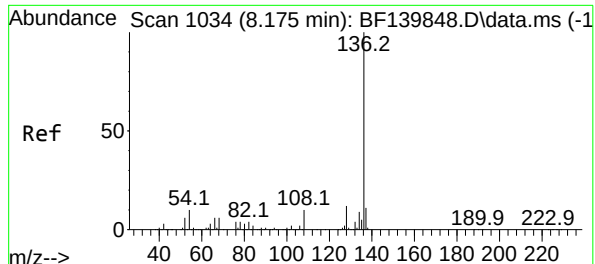
Tgt Ion: 70 Resp: 100635  
Ion Ratio Lower Upper  
70 100  
42 66.4 51.5 77.3  
101 9.6 7.5 11.3  
130 19.4 15.5 23.3



#20  
3+4-Methylphenols  
Concen: 11.041 ng  
RT: 7.275 min Scan# 881  
Delta R.T. -0.012 min  
Lab File: BF139846.D  
Acq: 18 Oct 2024 11:23

Tgt Ion: 107 Resp: 148497  
Ion Ratio Lower Upper  
107 100  
108 90.1 69.8 109.8  
77 49.6 50.5 90.5#  
79 28.8 10.2 50.2





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.169 min Scan# 1033

Delta R.T. -0.006 min

Lab File: BF139846.D

Acq: 18 Oct 2024 11:23

Instrument :

BNA\_F

ClientSampleId :

SSTDICC010

Tgt Ion:136 Resp: 733621

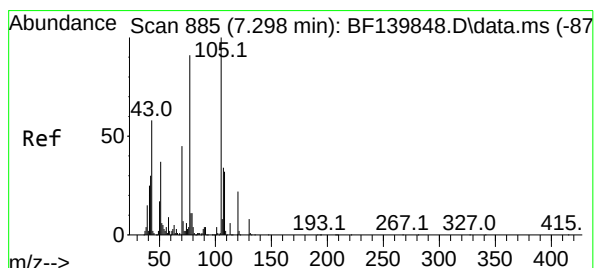
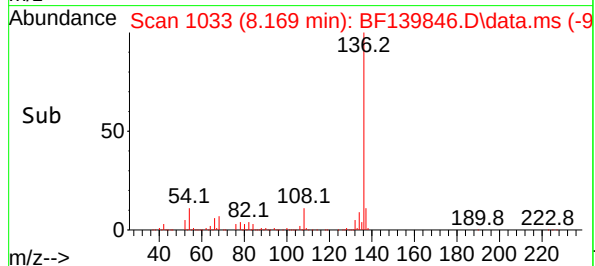
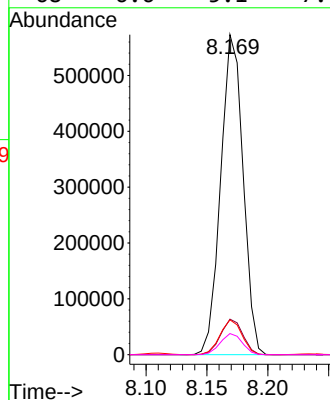
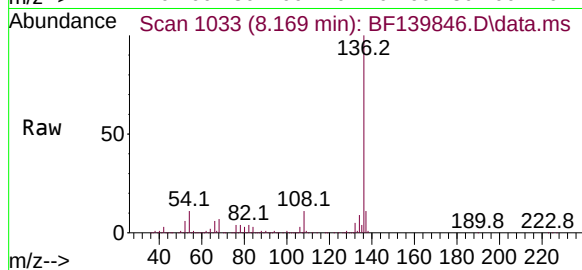
Ion Ratio Lower Upper

136 100

137 11.1 8.6 12.8

54 10.9 8.4 12.6

68 6.6 5.1 7.7



#22

Acetophenone

Concen: 10.885 ng

RT: 7.293 min Scan# 884

Delta R.T. -0.006 min

Lab File: BF139846.D

Acq: 18 Oct 2024 11:23

Tgt Ion:105 Resp: 195595

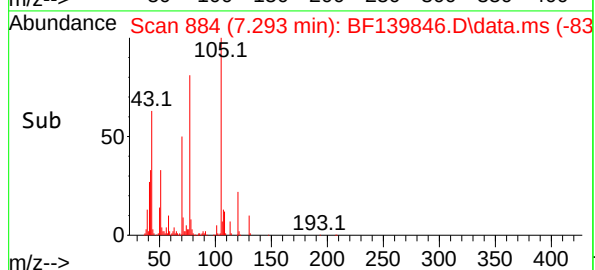
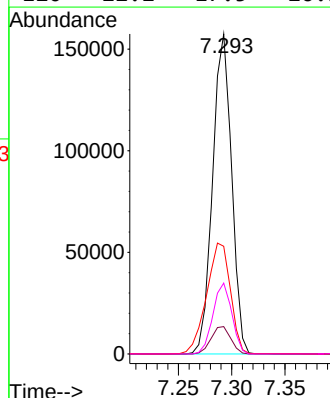
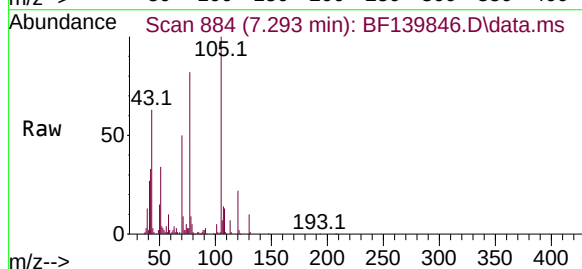
Ion Ratio Lower Upper

105 100

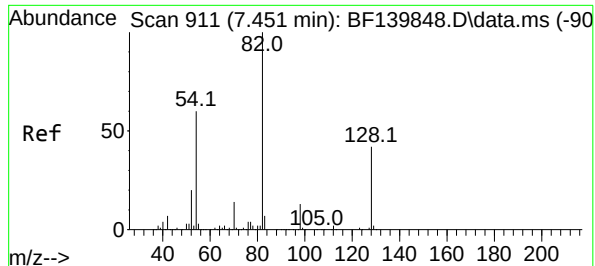
71 8.5 5.9 8.9

51 33.6 29.4 44.2

120 22.2 17.5 26.3







#23

Nitrobenzene-d5

Concen: 20.257 ng

RT: 7.445 min Scan# 911

Delta R.T. -0.006 min

Lab File: BF139846.D

Acq: 18 Oct 2024 11:23

Instrument :

BNA\_F

ClientSampleId :

SSTDICC010

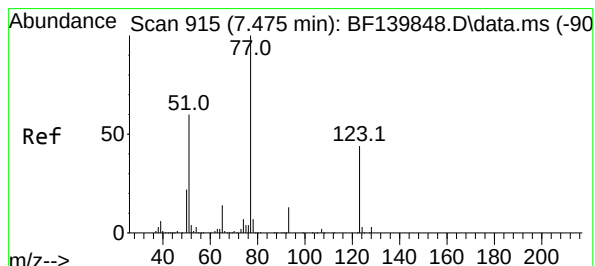
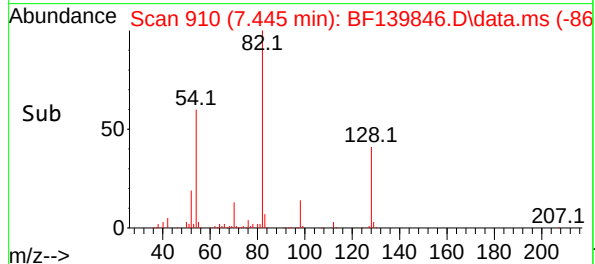
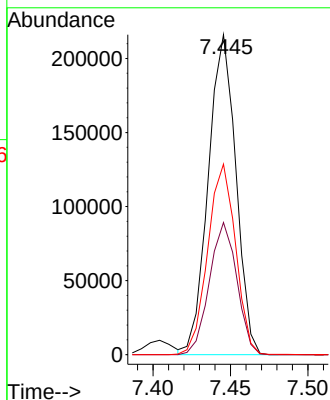
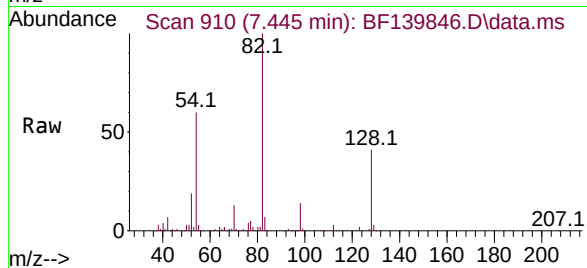
Tgt Ion: 82 Resp: 268128

Ion Ratio Lower Upper

82 100

128 41.3 33.4 50.0

54 59.5 47.8 71.8



#24

Nitrobenzene

Concen: 10.154 ng

RT: 7.463 min Scan# 913

Delta R.T. -0.012 min

Lab File: BF139846.D

Acq: 18 Oct 2024 11:23

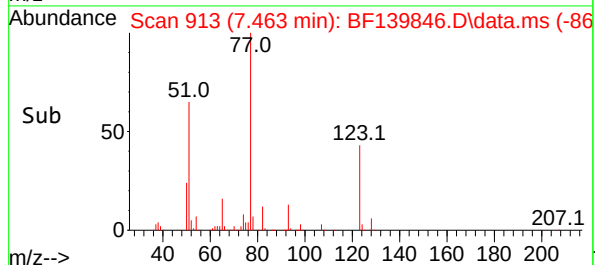
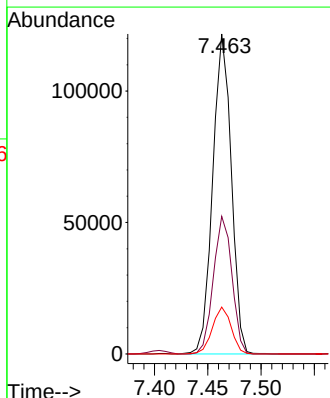
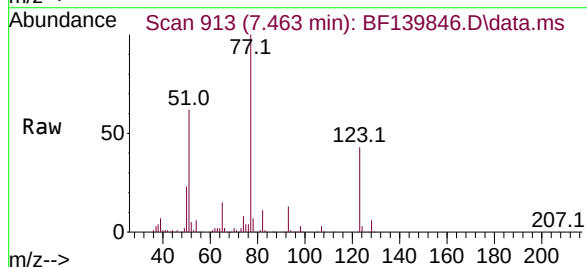
Tgt Ion: 77 Resp: 147356

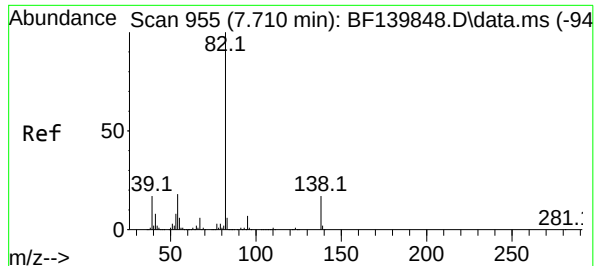
Ion Ratio Lower Upper

77 100

123 43.0 35.7 53.5

65 14.6 11.5 17.3





#25

Isophorone

Concen: 10.359 ng

RT: 7.698 min Scan# 91

Delta R.T. -0.012 min

Lab File: BF139846.D

Acq: 18 Oct 2024 11:23

Instrument :

BNA\_F

ClientSampleId :

SSTDICC010

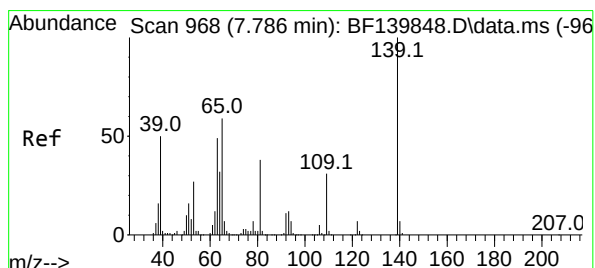
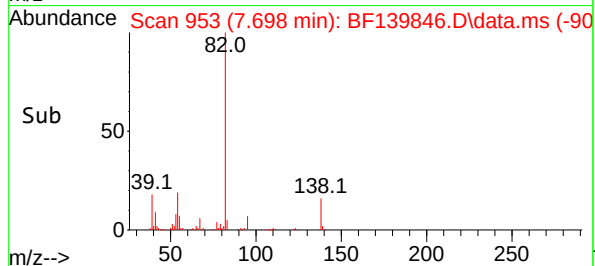
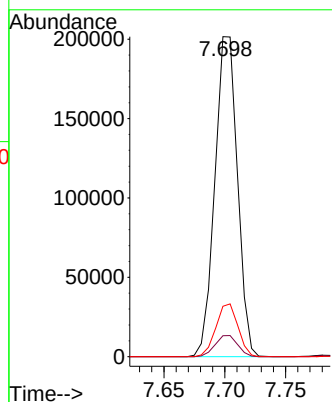
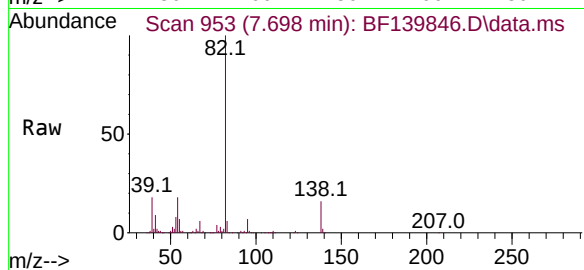
Tgt Ion: 82 Resp: 260247

Ion Ratio Lower Upper

82 100

95 6.6 5.5 8.3

138 15.7 13.2 19.8



#26

2-Nitrophenol

Concen: 9.162 ng

RT: 7.781 min Scan# 967

Delta R.T. -0.006 min

Lab File: BF139846.D

Acq: 18 Oct 2024 11:23

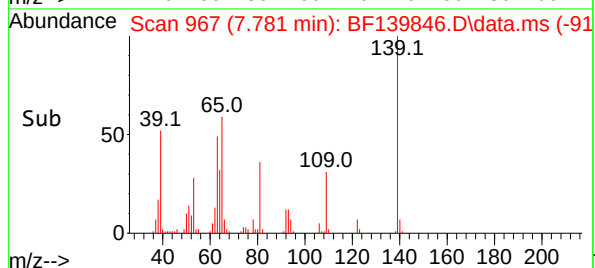
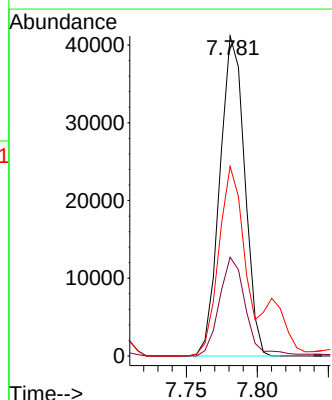
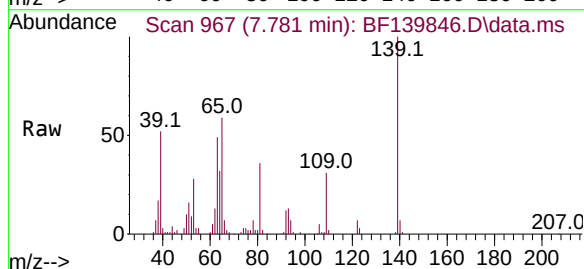
Tgt Ion:139 Resp: 50159

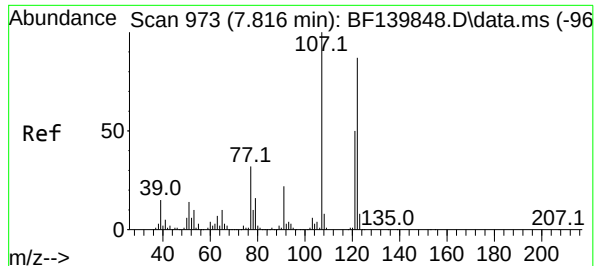
Ion Ratio Lower Upper

139 100

109 30.9 25.1 37.7

65 59.2 47.5 71.3





#27

2,4-Dimethylphenol

Concen: 10.400 ng

RT: 7.810 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF139846.D

Acq: 18 Oct 2024 11:23

Instrument :

BNA\_F

ClientSampleId :

SSTDIC010

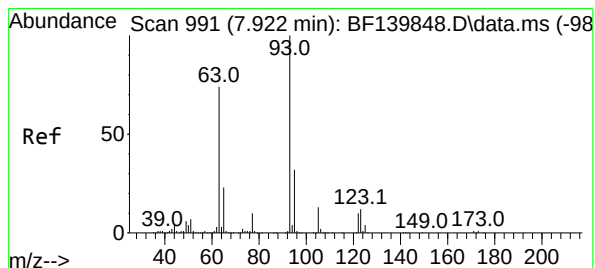
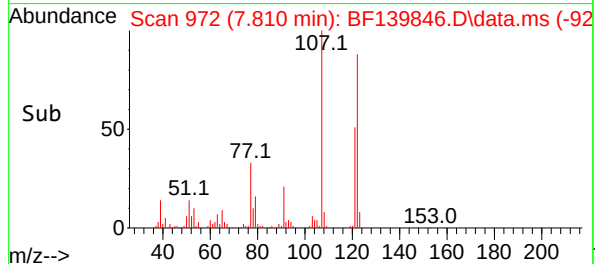
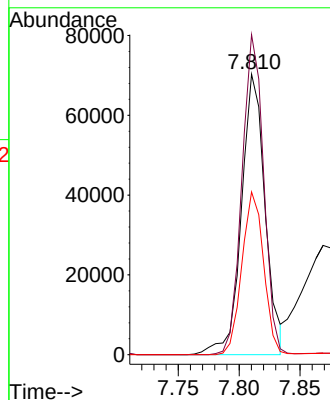
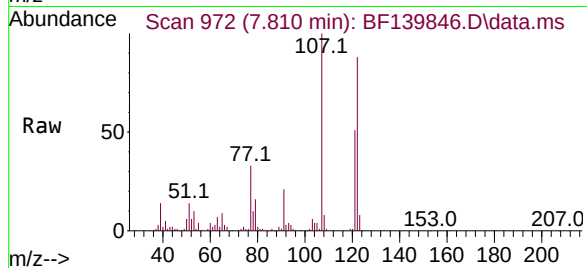
Tgt Ion:122 Resp: 94947

Ion Ratio Lower Upper

122 100

107 114.1 91.9 137.9

121 58.0 46.2 69.4



#28

bis(2-Chloroethoxy)methane

Concen: 10.605 ng

RT: 7.916 min Scan# 990

Delta R.T. -0.006 min

Lab File: BF139846.D

Acq: 18 Oct 2024 11:23

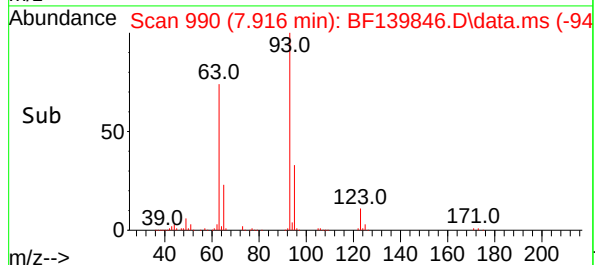
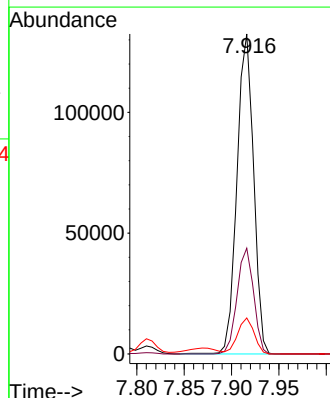
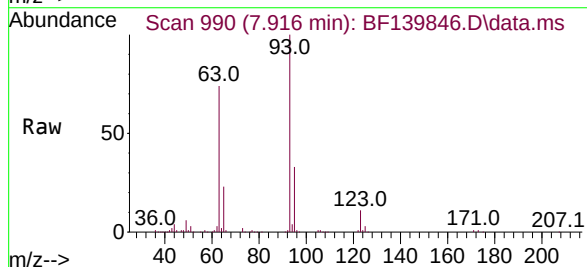
Tgt Ion: 93 Resp: 161423

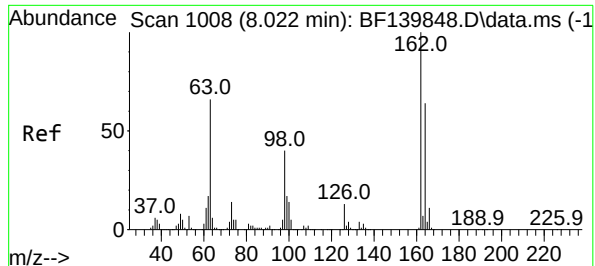
Ion Ratio Lower Upper

93 100

95 33.0 26.0 39.0

123 11.2 9.8 14.8





#29

2,4-Dichlorophenol

Concen: 10.492 ng

RT: 8.016 min Scan# 1007

Delta R.T. -0.006 min

Lab File: BF139846.D

Acq: 18 Oct 2024 11:23

Instrument :

BNA\_F

ClientSampleId :

SSTDICC010

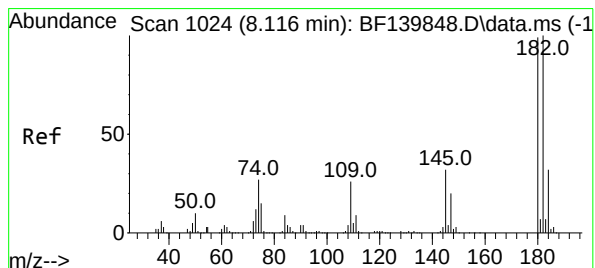
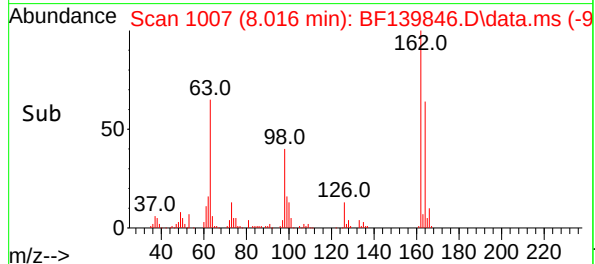
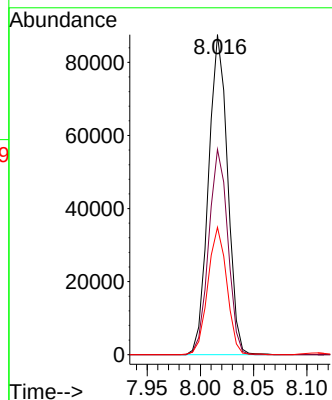
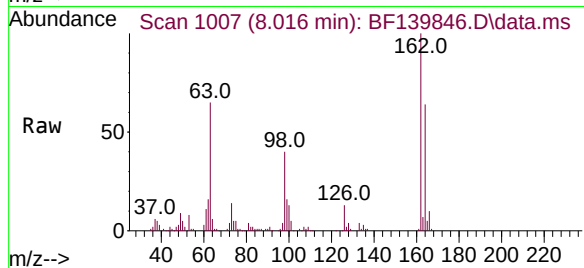
Tgt Ion:162 Resp: 109102

Ion Ratio Lower Upper

162 100

164 64.1 43.9 83.9

98 39.8 19.9 59.9



#30

1,2,4-Trichlorobenzene

Concen: 10.537 ng

RT: 8.110 min Scan# 1023

Delta R.T. -0.006 min

Lab File: BF139846.D

Acq: 18 Oct 2024 11:23

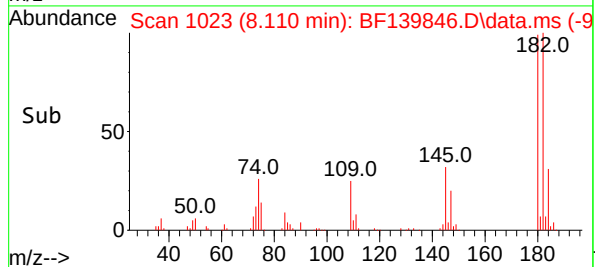
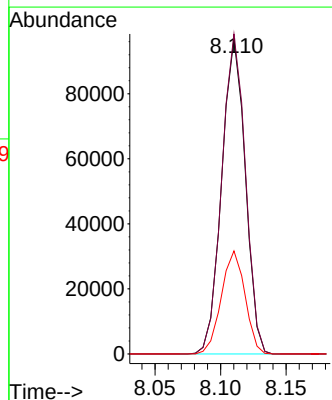
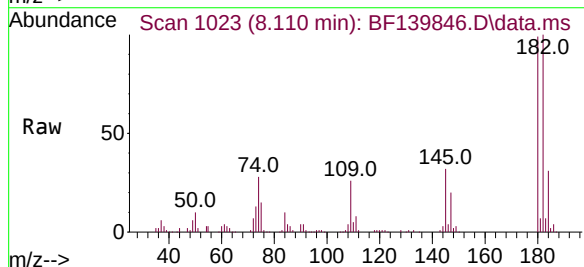
Tgt Ion:180 Resp: 121232

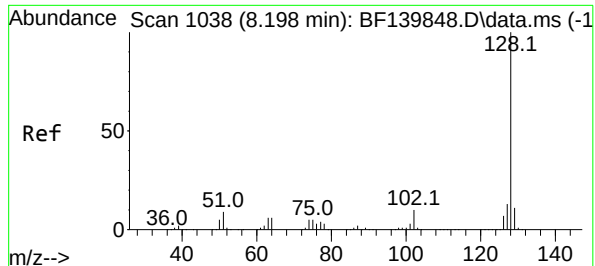
Ion Ratio Lower Upper

180 100

182 101.5 80.5 120.7

145 32.7 25.4 38.0





#31

Naphthalene

Concen: 10.864 ng

RT: 8.192 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF139846.D

Acq: 18 Oct 2024 11:23

Instrument :

BNA\_F

ClientSampleId :

SSTDICC010

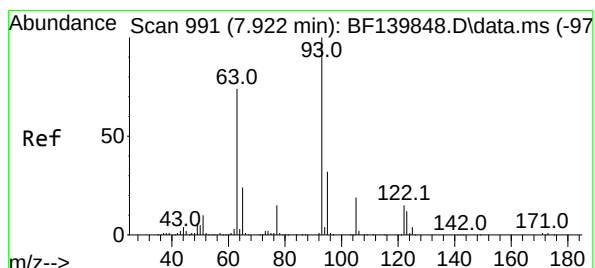
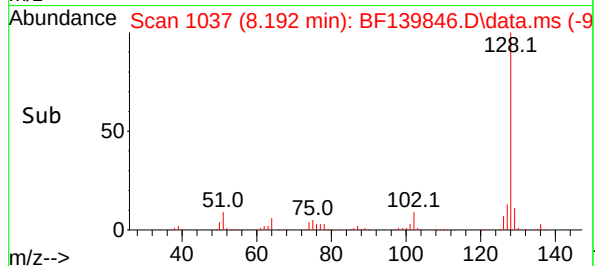
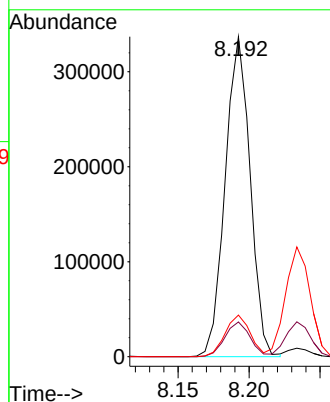
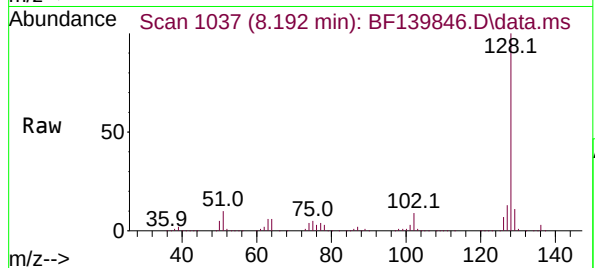
Tgt Ion:128 Resp: 411053

Ion Ratio Lower Upper

128 100

129 10.9 8.9 13.3

127 13.0 10.6 16.0



#32

Benzoic acid

Concen: 8.075 ng

RT: 7.869 min Scan# 982

Delta R.T. -0.053 min

Lab File: BF139846.D

Acq: 18 Oct 2024 11:23

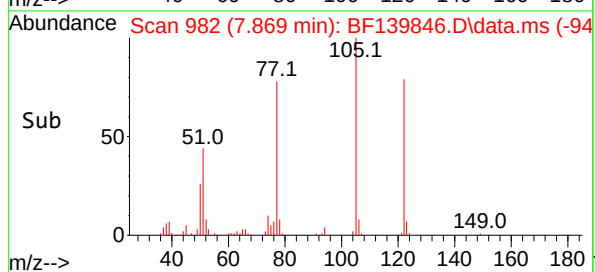
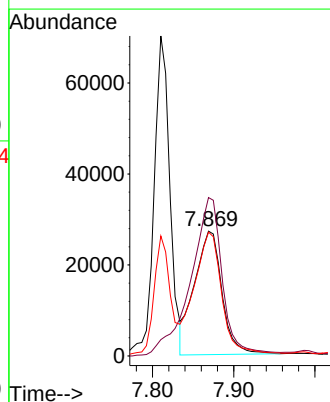
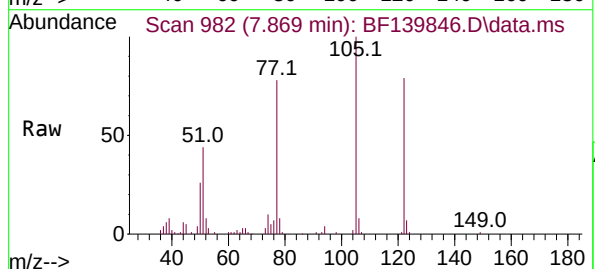
Tgt Ion:122 Resp: 64294

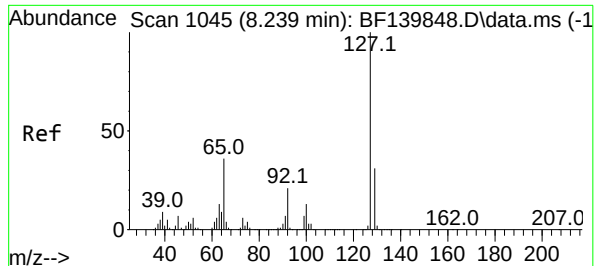
Ion Ratio Lower Upper

122 100

105 126.9 107.6 147.6

77 99.2 80.2 120.2

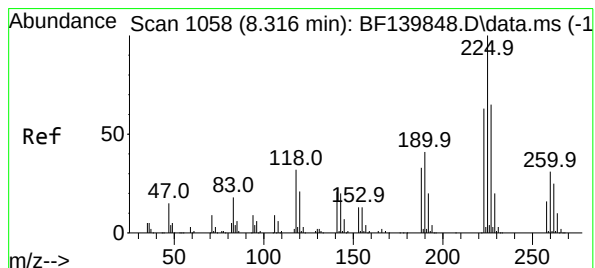
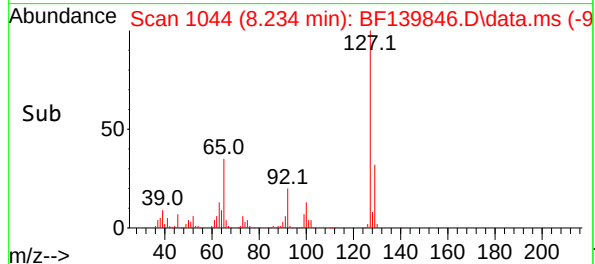
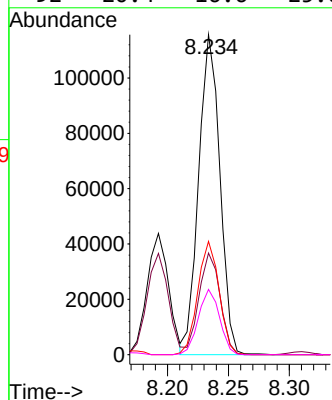
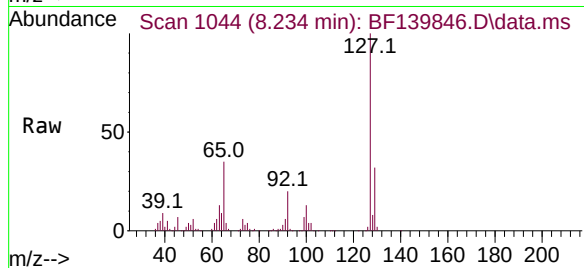




#33  
4-Chloroaniline  
Concen: 10.853 ng  
RT: 8.234 min Scan# 1044  
Delta R.T. -0.006 min  
Lab File: BF139846.D  
Acq: 18 Oct 2024 11:23

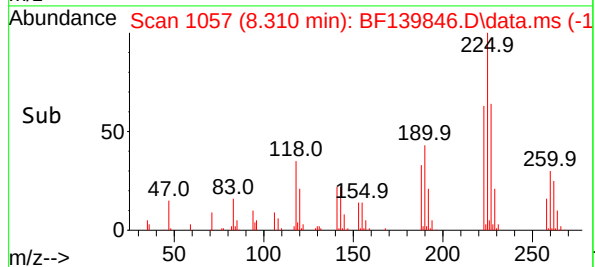
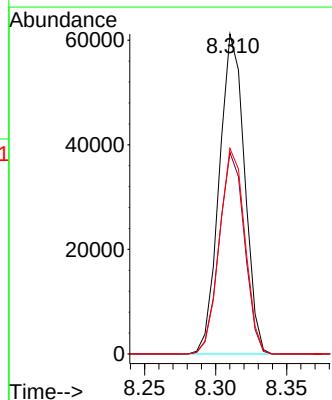
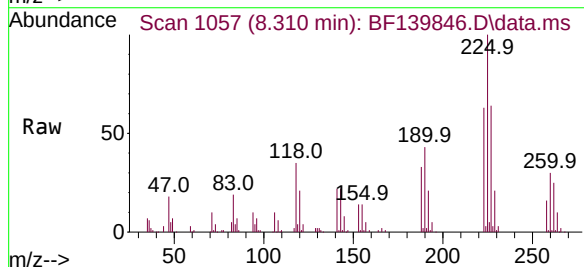
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC010

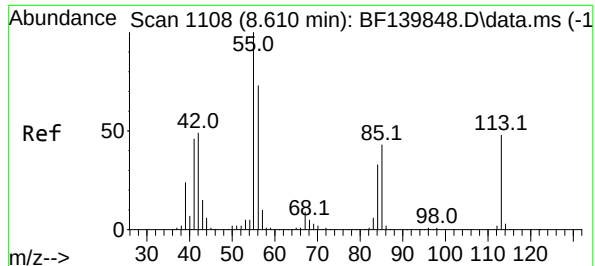
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 127   | Resp: | 140021 |
| Ion      | Ratio | Lower | Upper  |
| 127      | 100   |       |        |
| 129      | 31.8  | 25.4  | 38.2   |
| 65       | 35.4  | 28.4  | 42.6   |
| 92       | 20.4  | 16.6  | 25.0   |



#34  
Hexachlorobutadiene  
Concen: 10.477 ng  
RT: 8.310 min Scan# 1057  
Delta R.T. -0.006 min  
Lab File: BF139846.D  
Acq: 18 Oct 2024 11:23

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 225   | Resp: | 75740 |
| Ion      | Ratio | Lower | Upper |
| 225      | 100   |       |       |
| 223      | 63.0  | 50.6  | 76.0  |
| 227      | 64.3  | 51.8  | 77.8  |





#35

Caprolactam

Concen: 10.256 ng

RT: 8.569 min Scan# 1108

Delta R.T. -0.041 min

Lab File: BF139846.D

Acq: 18 Oct 2024 11:23

Instrument :

BNA\_F

ClientSampleId :

SSTDICC010

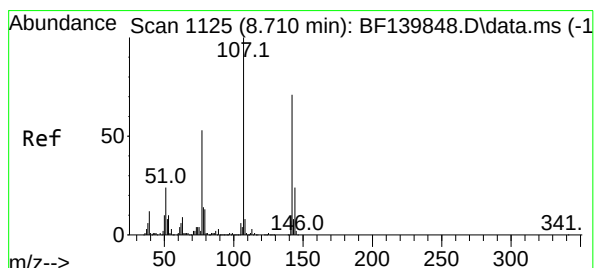
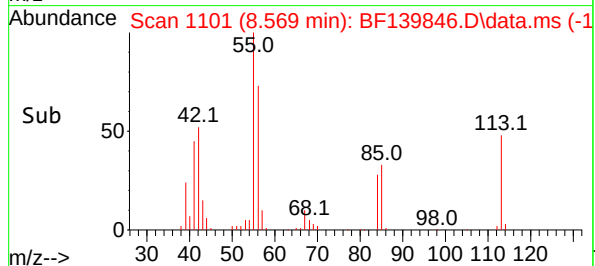
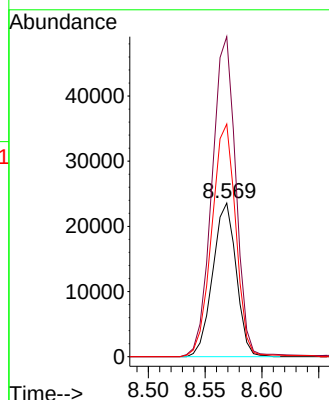
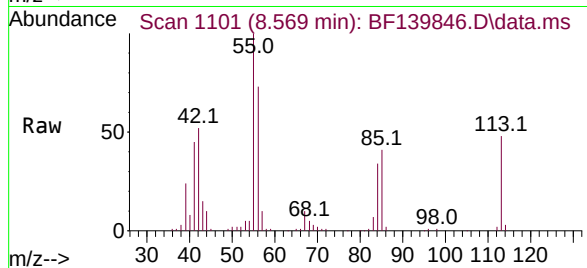
Tgt Ion:113 Resp: 33908

Ion Ratio Lower Upper

113 100

55 208.3 189.2 229.2

56 151.4 132.5 172.5



#36

4-Chloro-3-methylphenol

Concen: 10.452 ng

RT: 8.704 min Scan# 1124

Delta R.T. -0.006 min

Lab File: BF139846.D

Acq: 18 Oct 2024 11:23

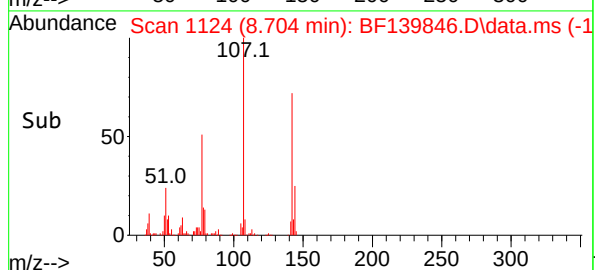
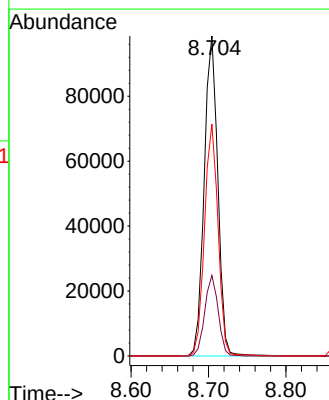
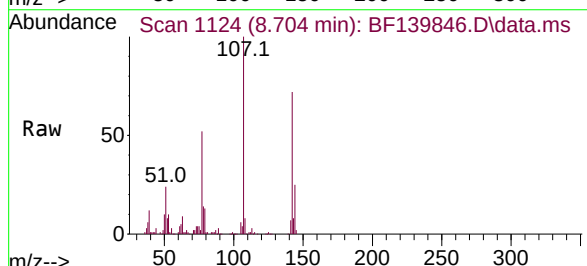
Tgt Ion:107 Resp: 120339

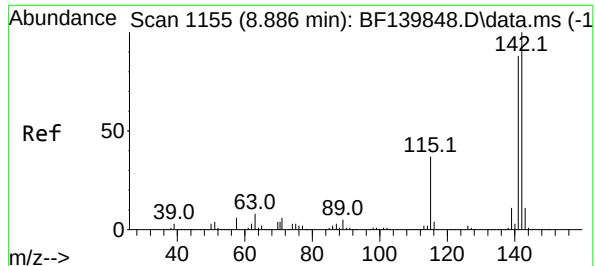
Ion Ratio Lower Upper

107 100

144 25.2 19.1 28.7

142 72.5 57.2 85.8





#37

2-Methylnaphthalene

Concen: 10.899 ng

RT: 8.881 min Scan# 1154

Delta R.T. -0.006 min

Lab File: BF139846.D

Acq: 18 Oct 2024 11:23

Instrument :

BNA\_F

ClientSampleId :

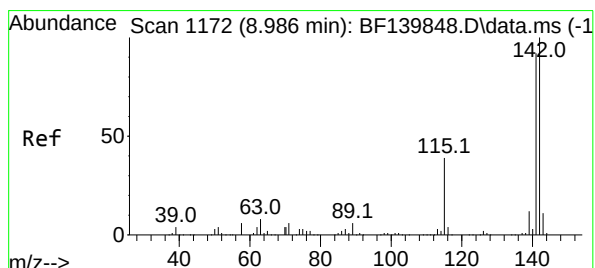
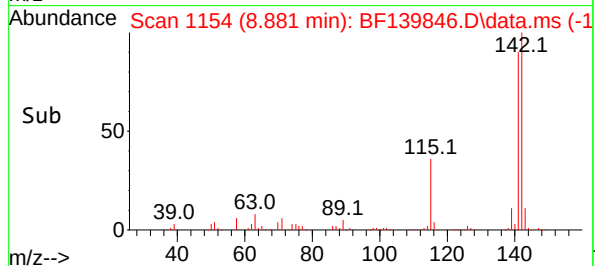
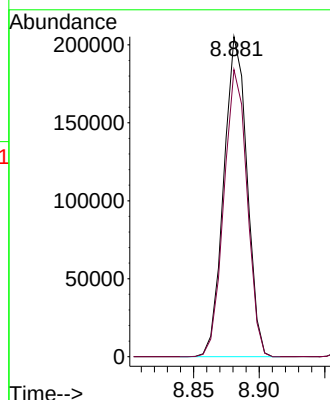
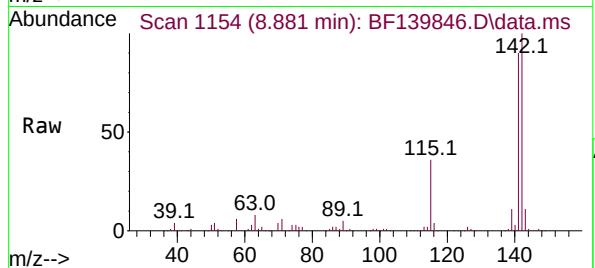
SSTDICC010

Tgt Ion:142 Resp: 252554

Ion Ratio Lower Upper

142 100

141 89.7 70.8 106.2



#38

1-Methylnaphthalene

Concen: 11.023 ng

RT: 8.981 min Scan# 1171

Delta R.T. -0.006 min

Lab File: BF139846.D

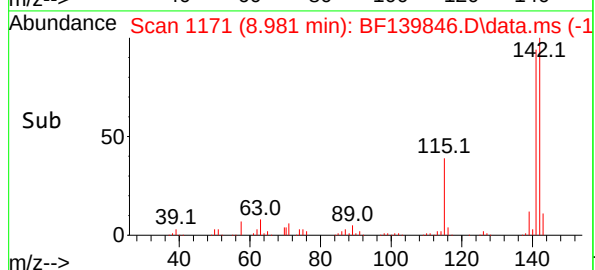
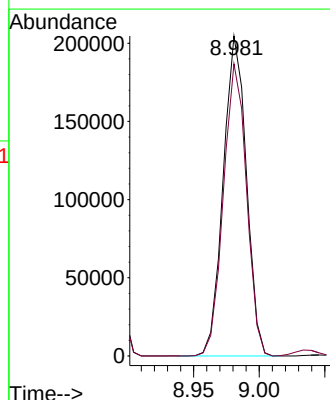
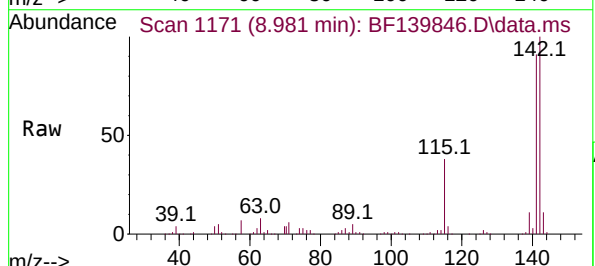
Acq: 18 Oct 2024 11:23

Tgt Ion:142 Resp: 250609

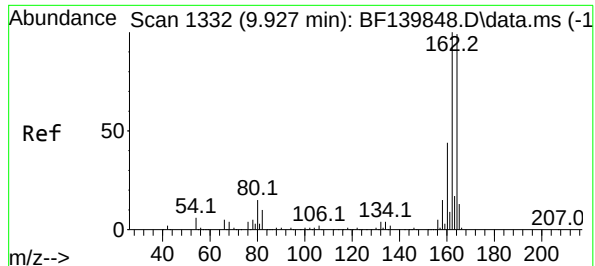
Ion Ratio Lower Upper

142 100

141 91.3 73.5 110.3







#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.928 min Scan# 11

Delta R.T. 0.001 min

Lab File: BF139846.D

Acq: 18 Oct 2024 11:23

Instrument :

BNA\_F

ClientSampleId :

SSTDICC010

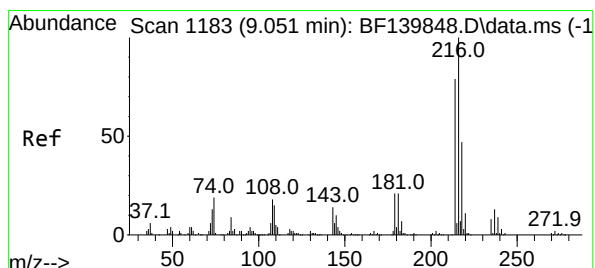
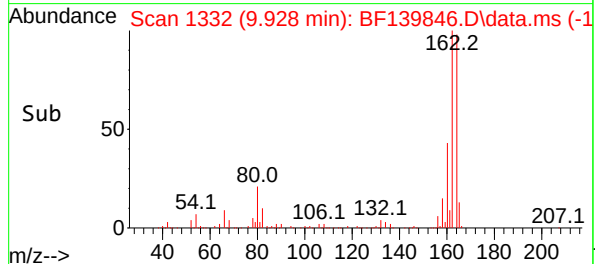
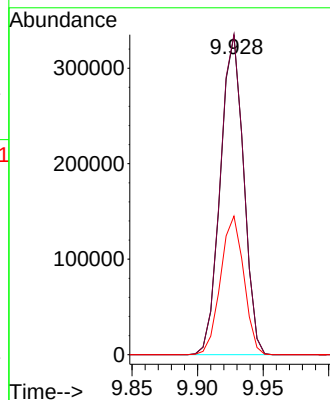
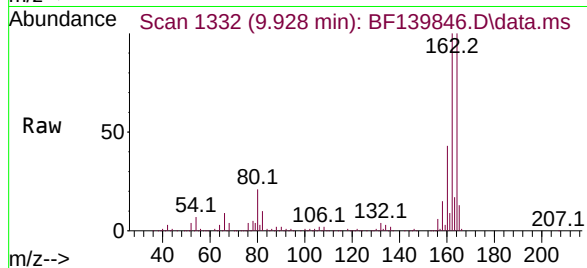
Tgt Ion:164 Resp: 411556

Ion Ratio Lower Upper

164 100

162 100.2 81.0 121.4

160 43.4 35.4 53.0



#40

1,2,4,5-Tetrachlorobenzene

Concen: 10.738 ng

RT: 9.045 min Scan# 1182

Delta R.T. -0.006 min

Lab File: BF139846.D

Acq: 18 Oct 2024 11:23

Tgt Ion:216 Resp: 119227

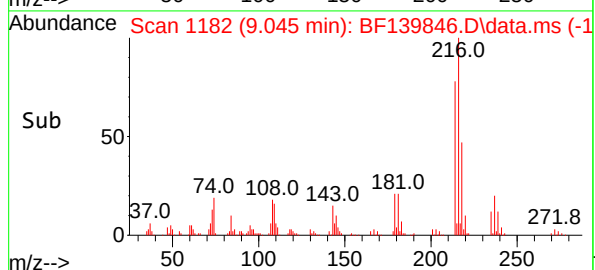
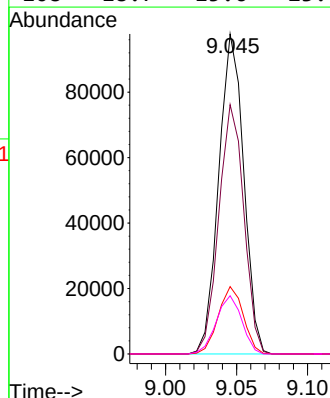
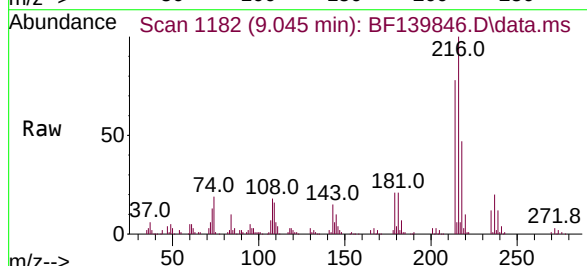
Ion Ratio Lower Upper

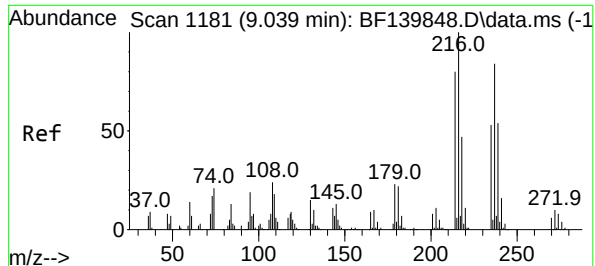
216 100

214 78.1 63.4 95.0

179 21.2 17.2 25.8

108 18.7 15.6 23.4

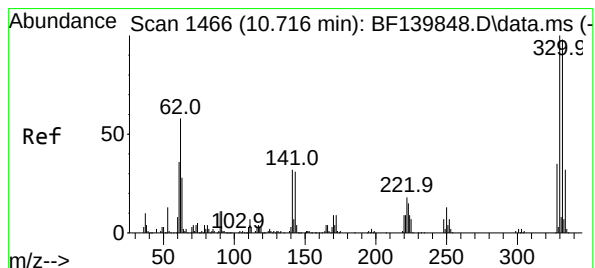
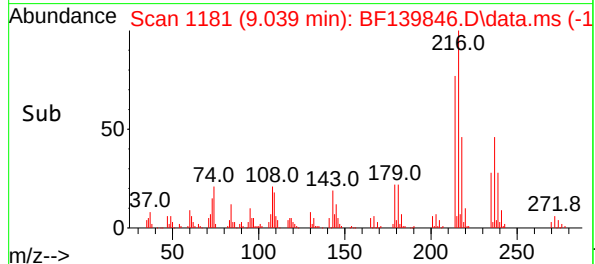
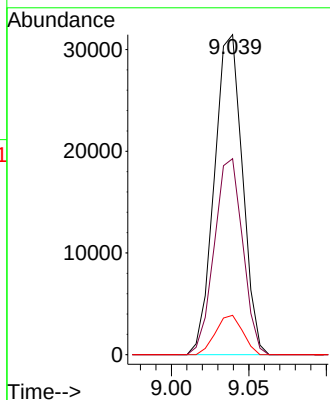
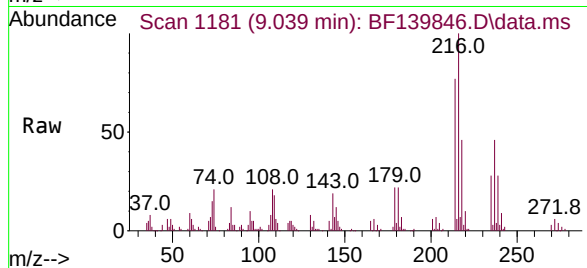




#41  
Hexachlorocyclopentadiene  
Concen: 10.290 ng  
RT: 9.039 min Scan# 1181  
Delta R.T. 0.000 min  
Lab File: BF139846.D  
Acq: 18 Oct 2024 11:23

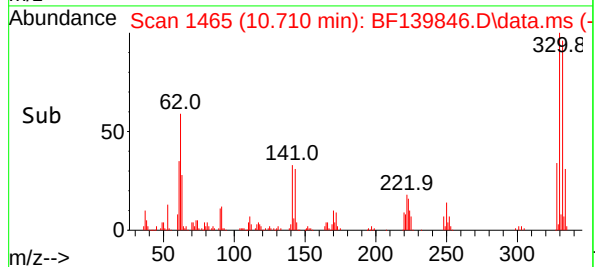
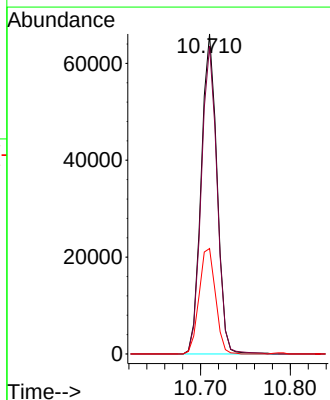
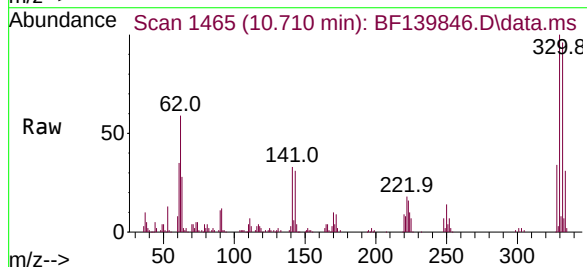
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC010

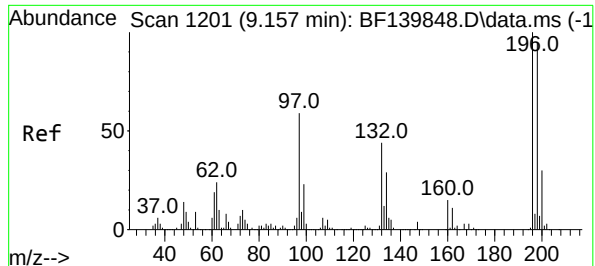
Tgt Ion:237 Resp: 39754  
Ion Ratio Lower Upper  
237 100  
235 61.3 42.9 82.9  
272 12.3 0.0 32.3



#42  
2,4,6-Tribromophenol  
Concen: 20.952 ng  
RT: 10.710 min Scan# 1465  
Delta R.T. -0.006 min  
Lab File: BF139846.D  
Acq: 18 Oct 2024 11:23

Tgt Ion:330 Resp: 80655  
Ion Ratio Lower Upper  
330 100  
332 95.9 78.1 117.1  
141 34.2 26.6 39.8





#43

2,4,6-Trichlorophenol

Concen: 9.996 ng

RT: 9.151 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF139846.D

Acq: 18 Oct 2024 11:23

Instrument :

BNA\_F

ClientSampleId :

SSTDICC010

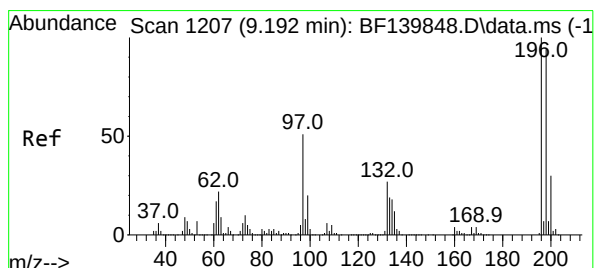
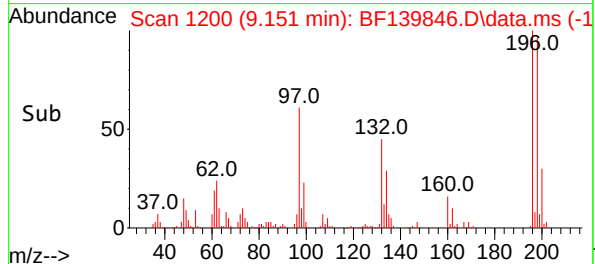
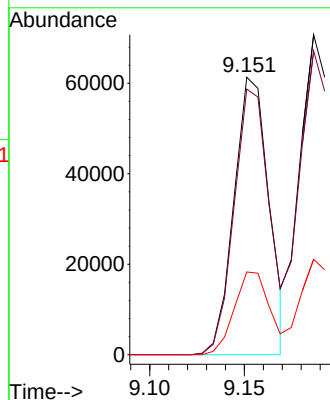
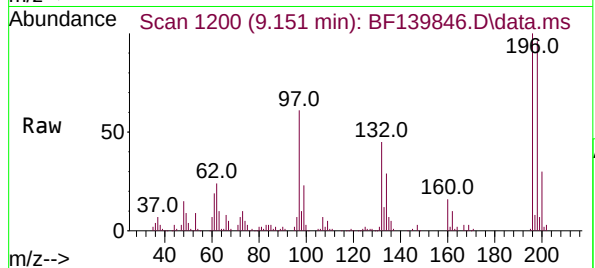
Tgt Ion:196 Resp: 78578

Ion Ratio Lower Upper

196 100

198 95.7 76.2 114.2

200 29.8 24.0 36.0



#44

2,4,5-Trichlorophenol

Concen: 10.787 ng

RT: 9.187 min Scan# 1206

Delta R.T. -0.006 min

Lab File: BF139846.D

Acq: 18 Oct 2024 11:23

Tgt Ion:196 Resp: 87482

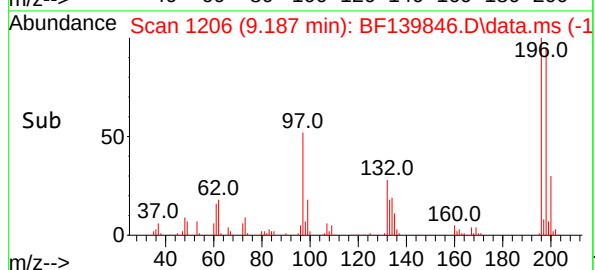
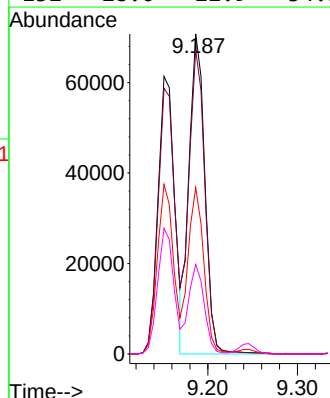
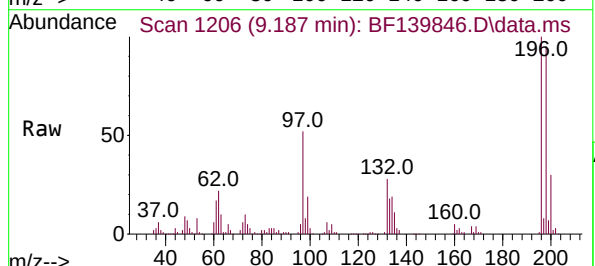
Ion Ratio Lower Upper

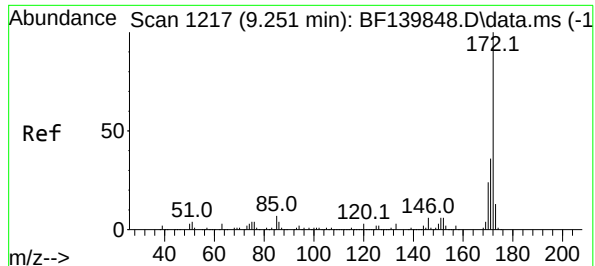
196 100

198 94.9 75.8 113.6

97 52.0 41.8 62.6

132 28.0 22.9 34.3





#45

2-Fluorobiphenyl

Concen: 23.073 ng

RT: 9.245 min Scan# 1216

Delta R.T. -0.006 min

Lab File: BF139846.D

Acq: 18 Oct 2024 11:23

Instrument :

BNA\_F

ClientSampleId :

SSTDICC010

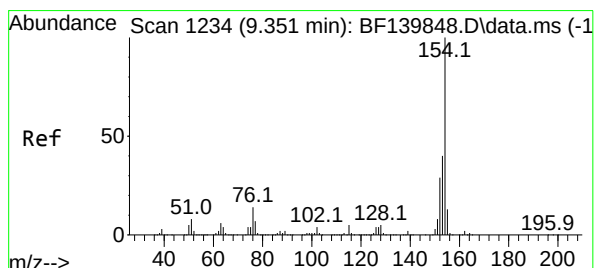
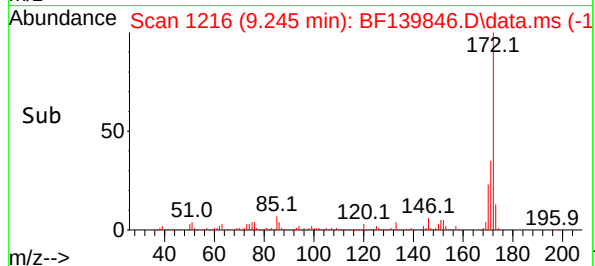
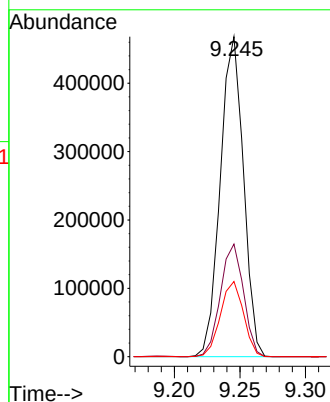
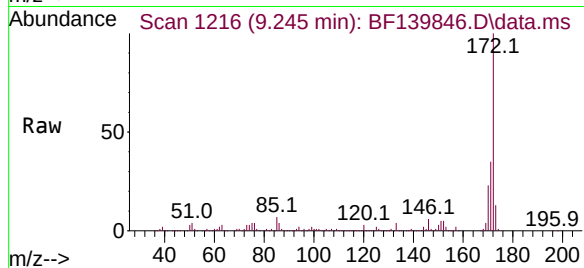
Tgt Ion:172 Resp: 574563

Ion Ratio Lower Upper

172 100

171 35.2 28.6 43.0

170 23.5 19.1 28.7



#46

1,1'-Biphenyl

Concen: 11.035 ng

RT: 9.345 min Scan# 1233

Delta R.T. -0.006 min

Lab File: BF139846.D

Acq: 18 Oct 2024 11:23

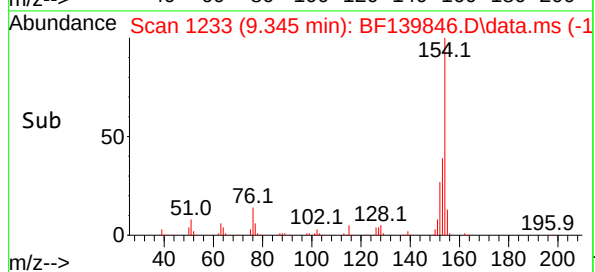
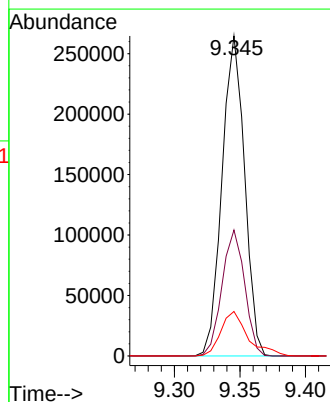
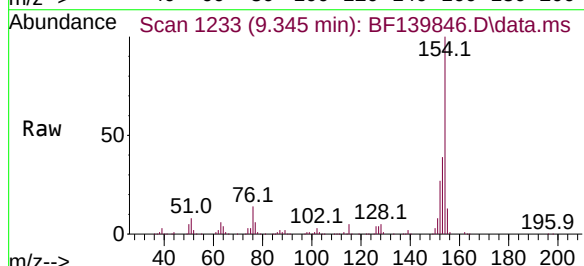
Tgt Ion:154 Resp: 316146

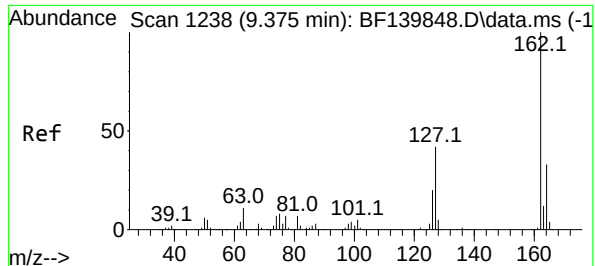
Ion Ratio Lower Upper

154 100

153 39.4 20.3 60.3

76 13.9 0.0 33.9





#47

2-Chloronaphthalene

Concen: 10.927 ng

RT: 9.369 min Scan# 1237

Delta R.T. -0.006 min

Lab File: BF139846.D

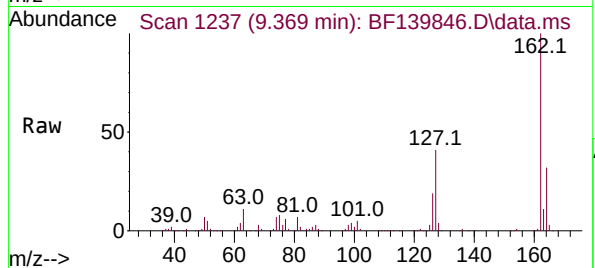
Acq: 18 Oct 2024 11:23

Instrument :

BNA\_F

ClientSampleId :

SSTDICC010



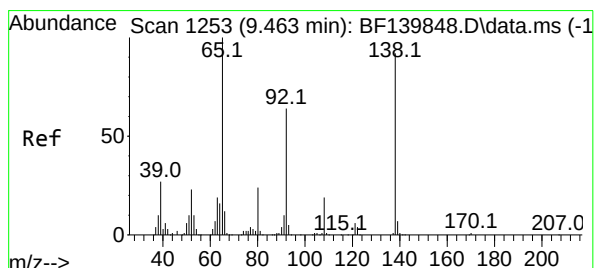
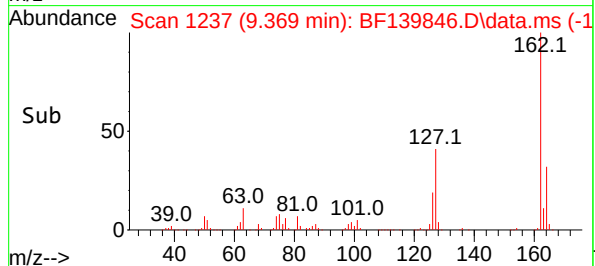
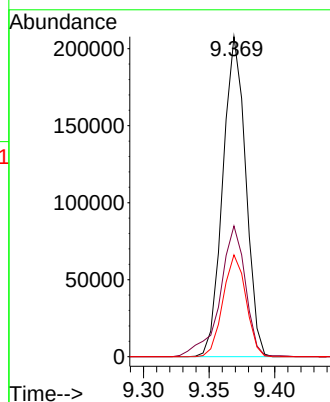
Tgt Ion:162 Resp: 252140

Ion Ratio Lower Upper

162 100

127 40.9 33.8 50.6

164 31.8 26.6 39.8



#48

2-Nitroaniline

Concen: 9.270 ng

RT: 9.457 min Scan# 1252

Delta R.T. -0.006 min

Lab File: BF139846.D

Acq: 18 Oct 2024 11:23

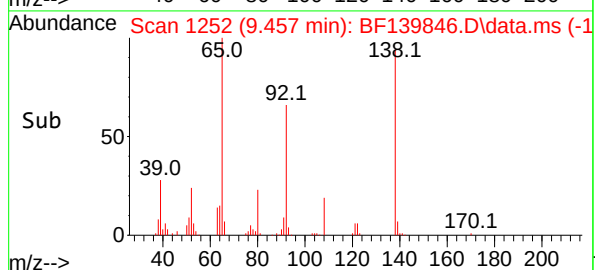
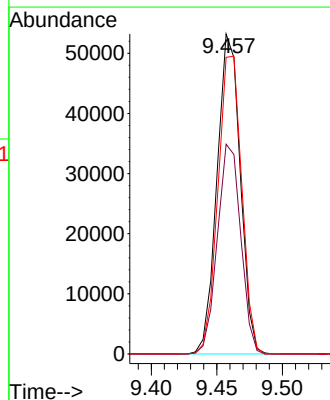
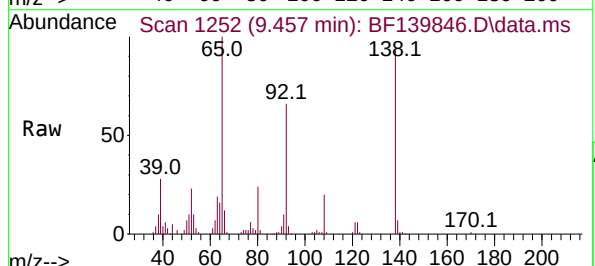
Tgt Ion: 65 Resp: 65425

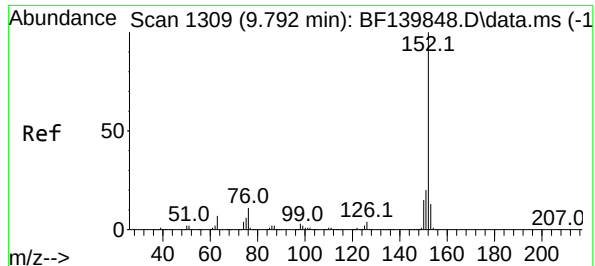
Ion Ratio Lower Upper

65 100

92 65.5 50.9 76.3

138 92.7 73.4 110.0





#49

Acenaphthylene

Concen: 10.833 ng

RT: 9.787 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF139846.D

Acq: 18 Oct 2024 11:23

Instrument :

BNA\_F

ClientSampleId :

SSTDICC010

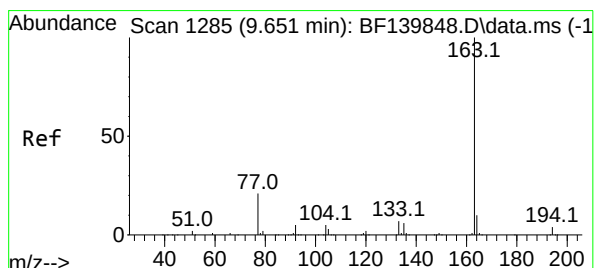
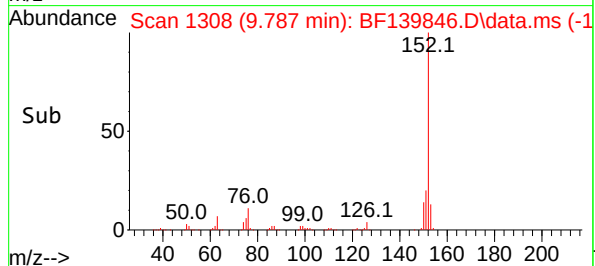
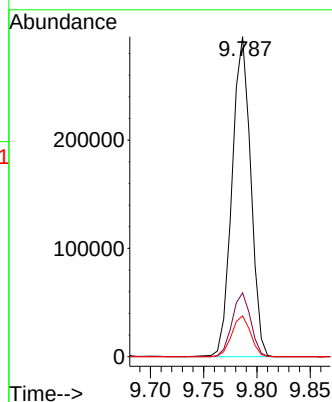
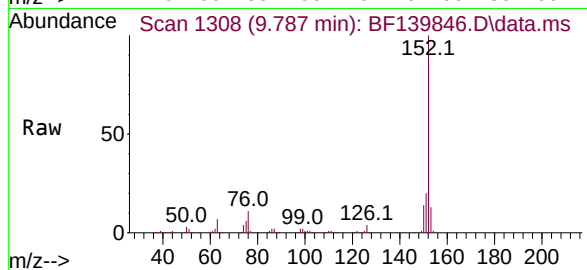
Tgt Ion:152 Resp: 361398

Ion Ratio Lower Upper

152 100

151 19.9 15.9 23.9

153 12.7 10.7 16.1



#50

Dimethylphthalate

Concen: 10.792 ng

RT: 9.639 min Scan# 1283

Delta R.T. -0.012 min

Lab File: BF139846.D

Acq: 18 Oct 2024 11:23

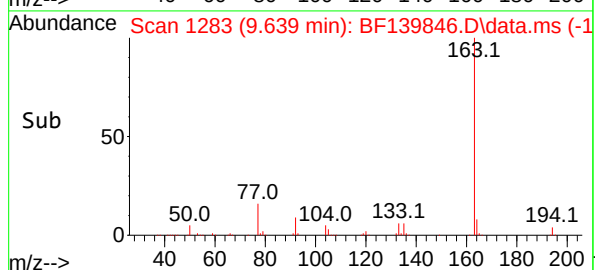
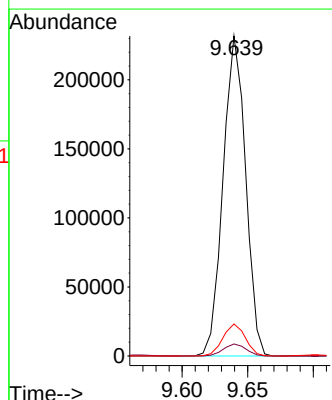
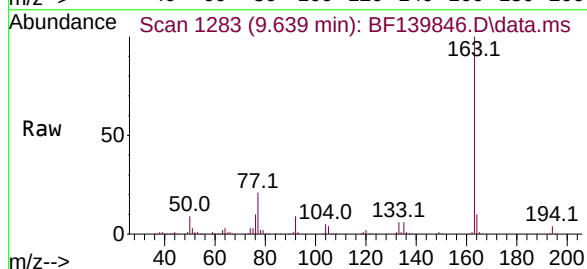
Tgt Ion:163 Resp: 276645

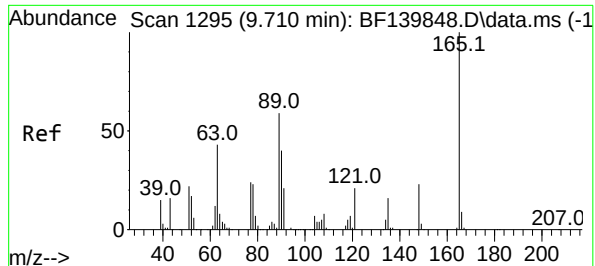
Ion Ratio Lower Upper

163 100

194 3.7 3.4 5.0

164 10.0 8.2 12.2

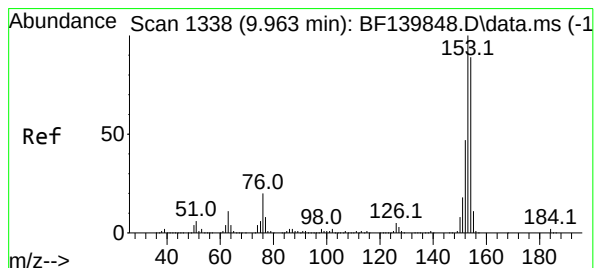
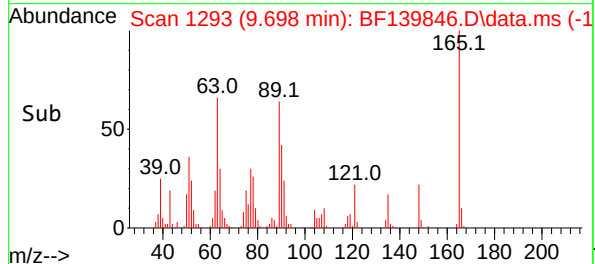
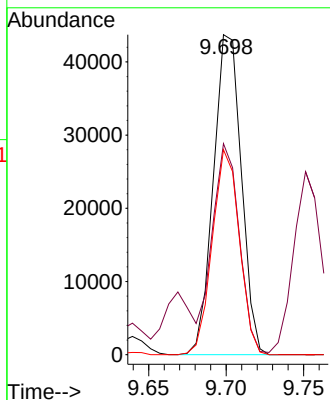
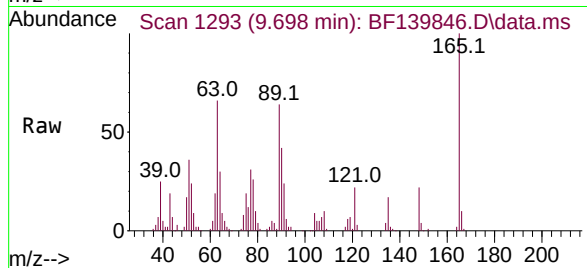




#51  
2,6-Dinitrotoluene  
Concen: 9.877 ng  
RT: 9.698 min Scan# 11  
Delta R.T. -0.012 min  
Lab File: BF139846.D  
Acq: 18 Oct 2024 11:23

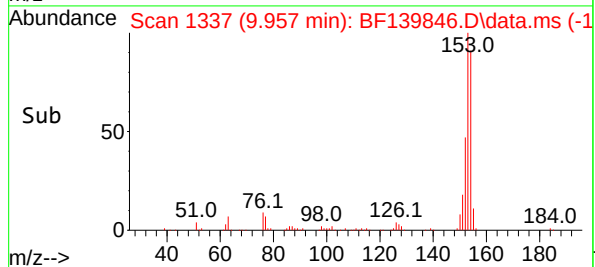
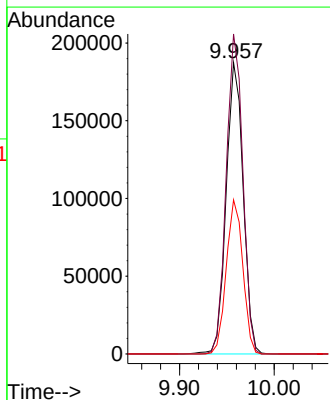
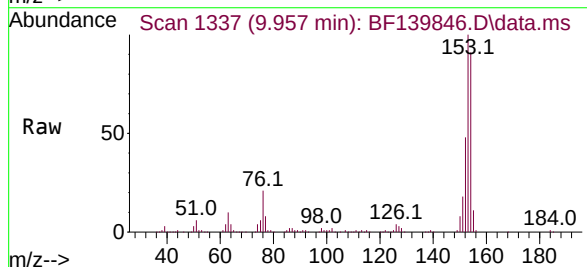
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC010

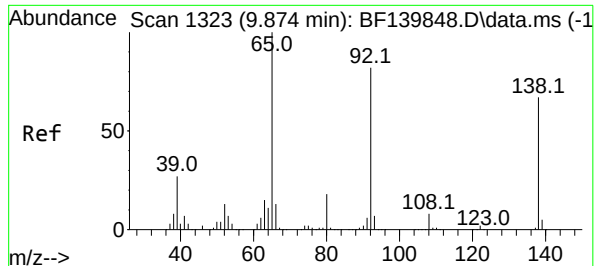
Tgt Ion:165 Resp: 54824  
Ion Ratio Lower Upper  
165 100  
63 66.0 50.6 75.8  
89 64.1 47.5 71.3



#52  
Acenaphthene  
Concen: 10.832 ng  
RT: 9.957 min Scan# 1337  
Delta R.T. -0.006 min  
Lab File: BF139846.D  
Acq: 18 Oct 2024 11:23

Tgt Ion:154 Resp: 233749  
Ion Ratio Lower Upper  
154 100  
153 109.8 89.8 134.6  
152 52.9 42.4 63.6

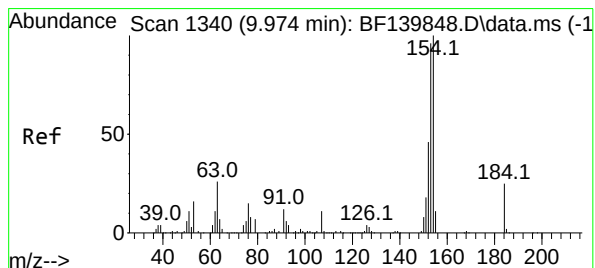
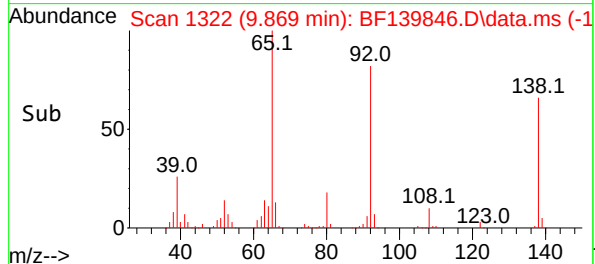
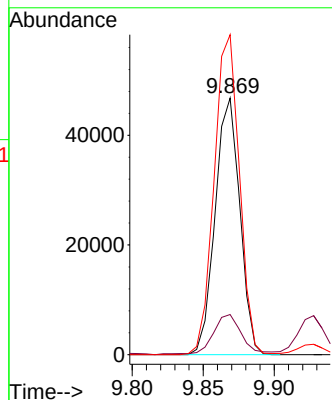
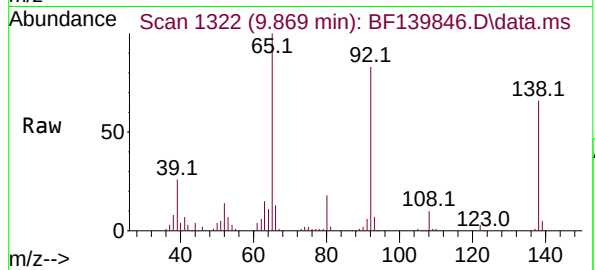




#53  
3-Nitroaniline  
Concen: 9.884 ng  
RT: 9.869 min Scan# 1322  
Delta R.T. -0.006 min  
Lab File: BF139846.D  
Acq: 18 Oct 2024 11:23

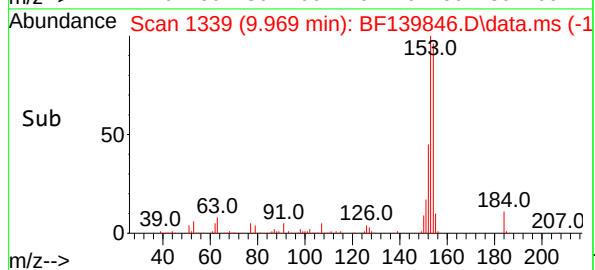
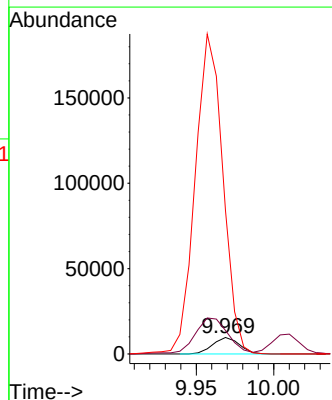
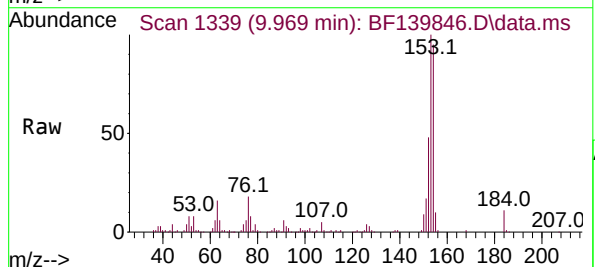
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC010

Tgt Ion:138 Resp: 56574  
Ion Ratio Lower Upper  
138 100  
108 15.7 10.2 15.2#  
92 124.7 98.3 147.5

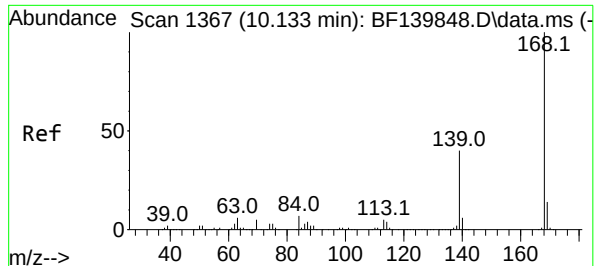


#54  
2,4-Dinitrophenol  
Concen: 11.138 ng  
RT: 9.969 min Scan# 1339  
Delta R.T. -0.005 min  
Lab File: BF139846.D  
Acq: 18 Oct 2024 11:23

Tgt Ion:184 Resp: 11577  
Ion Ratio Lower Upper  
184 100  
63 142.4 84.7 127.1#  
154 870.2 338.2 507.2#







#55

Dibenzenofuran

Concen: 11.028 ng

RT: 10.128 min Scan# 1366

Delta R.T. -0.006 min

Lab File: BF139846.D

Acq: 18 Oct 2024 11:23

Instrument :

BNA\_F

ClientSampleId :

SSTDICC010

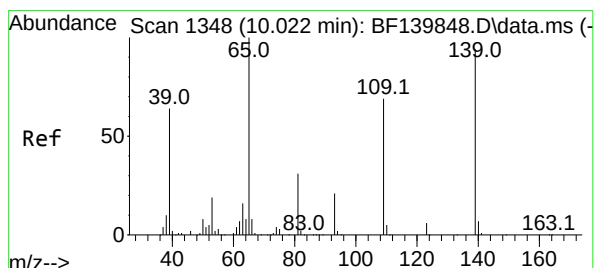
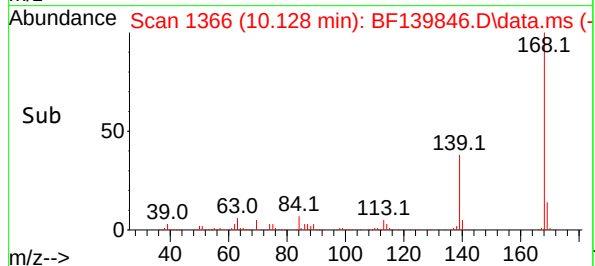
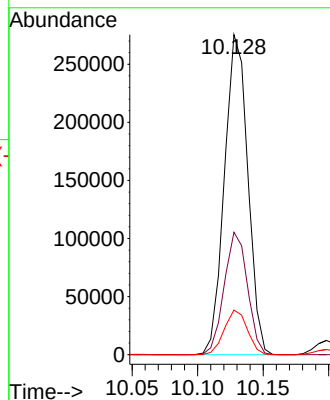
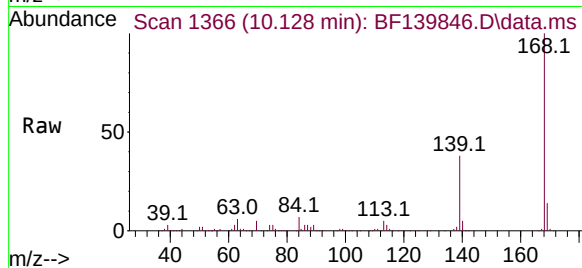
Tgt Ion:168 Resp: 341446

Ion Ratio Lower Upper

168 100

139 38.2 31.8 47.6

169 13.9 11.6 17.4



#56

4-Nitrophenol

Concen: 9.694 ng

RT: 10.010 min Scan# 1346

Delta R.T. -0.012 min

Lab File: BF139846.D

Acq: 18 Oct 2024 11:23

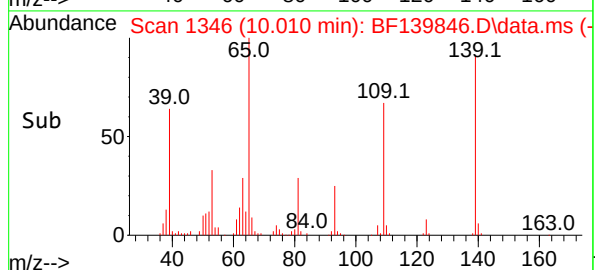
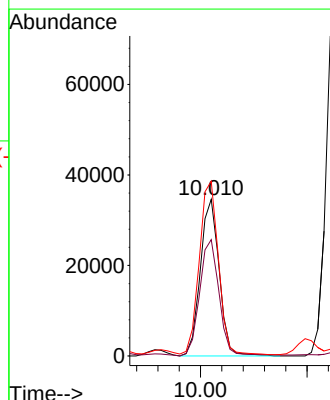
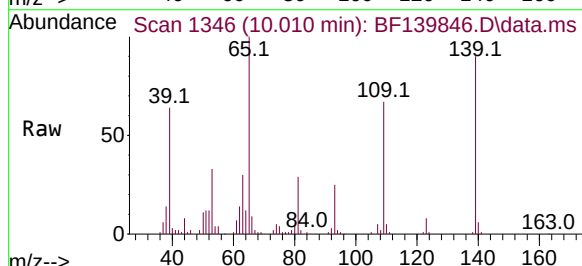
Tgt Ion:139 Resp: 42688

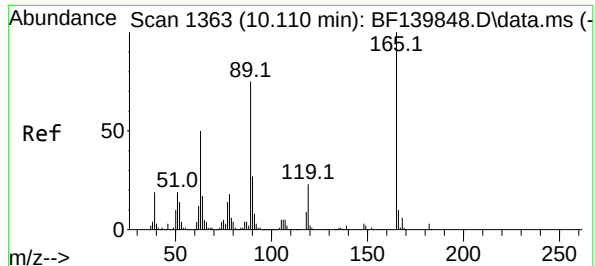
Ion Ratio Lower Upper

139 100

109 74.3 53.6 93.6

65 111.6 87.8 127.8





#57

2,4-Dinitrotoluene

Concen: 9.474 ng

RT: 10.098 min Scan# 1361

Delta R.T. -0.012 min

Lab File: BF139846.D

Acq: 18 Oct 2024 11:23

Instrument :

BNA\_F

ClientSampleId :

SSTDICC010

Tgt Ion:165 Resp: 64666

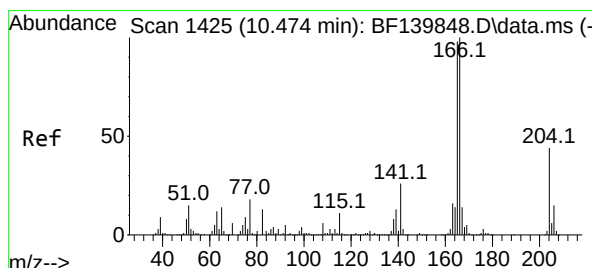
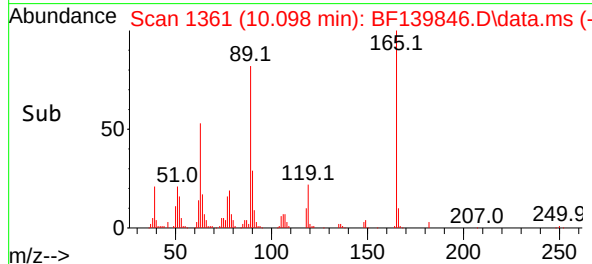
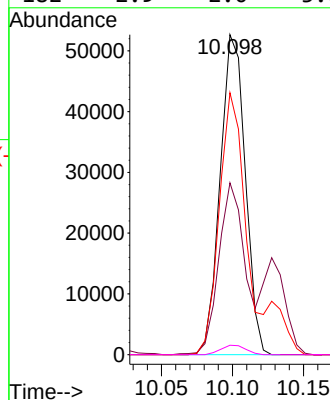
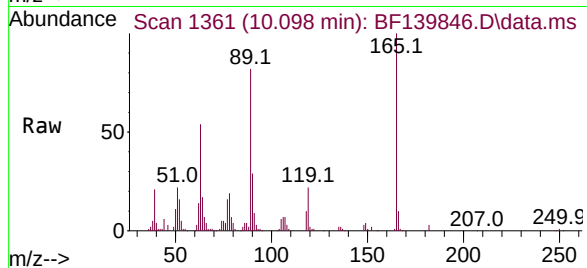
Ion Ratio Lower Upper

165 100

63 53.7 40.1 60.1

89 81.9 60.4 90.6

182 2.9 2.0 3.0



#58

Fluorene

Concen: 11.420 ng

RT: 10.475 min Scan# 1425

Delta R.T. 0.000 min

Lab File: BF139846.D

Acq: 18 Oct 2024 11:23

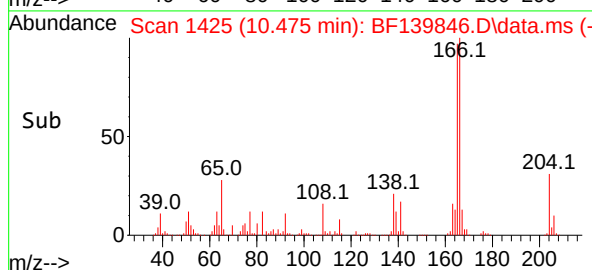
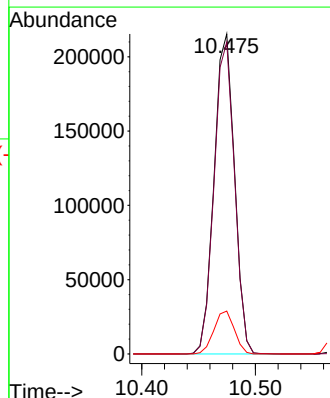
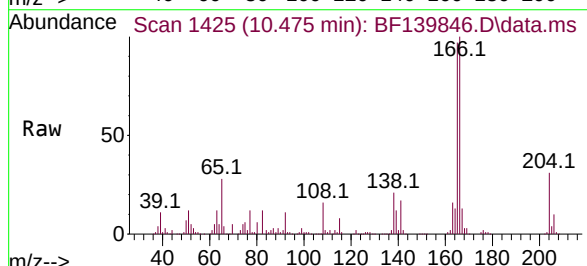
Tgt Ion:166 Resp: 269323

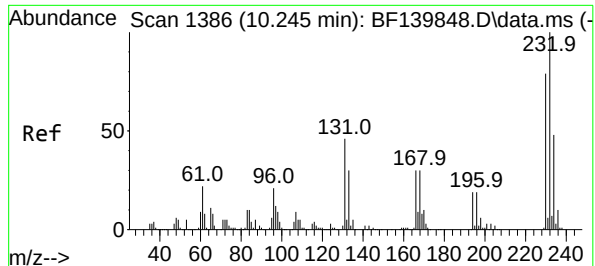
Ion Ratio Lower Upper

166 100

165 97.4 78.5 117.7

167 13.4 10.9 16.3

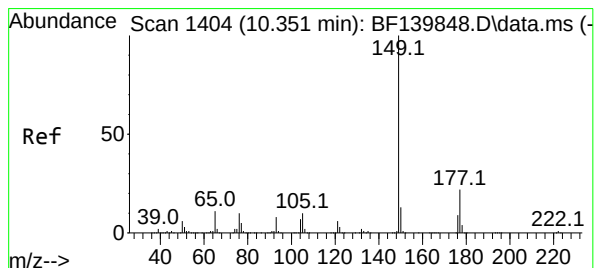
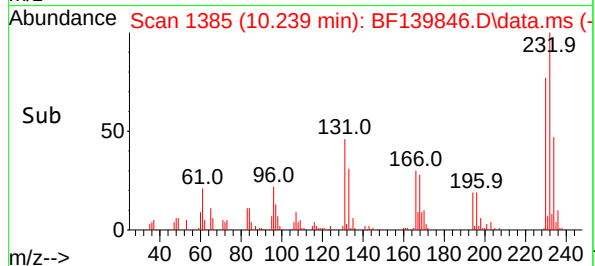
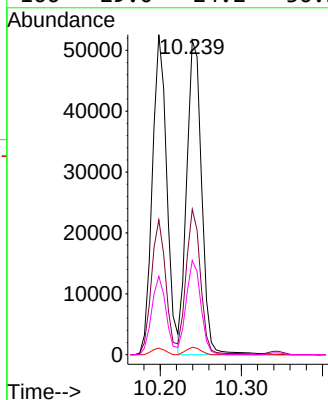
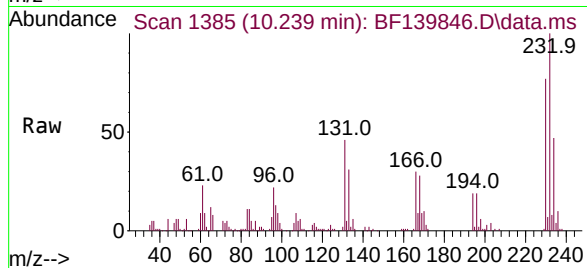




#59  
2,3,4,6-Tetrachlorophenol  
Concen: 10.408 ng  
RT: 10.239 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF139846.D  
Acq: 18 Oct 2024 11:23

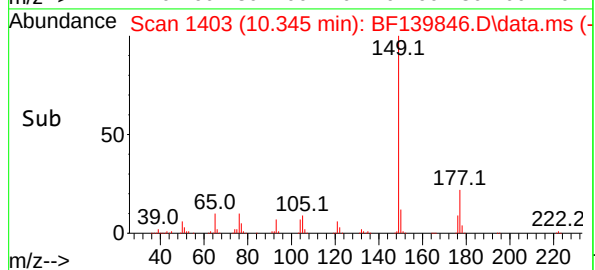
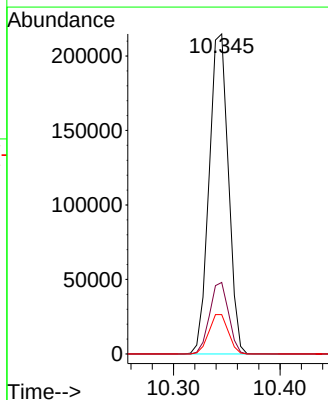
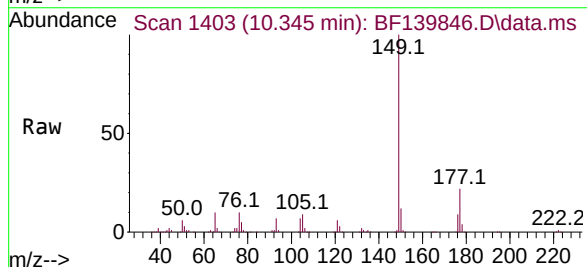
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC010

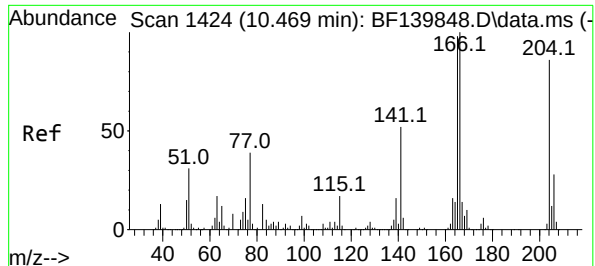
Tgt Ion:232 Resp: 66170  
Ion Ratio Lower Upper  
232 100  
131 44.4 37.0 55.6  
130 2.3 1.9 2.9  
166 29.0 24.2 36.2



#60  
Diethylphthalate  
Concen: 10.694 ng  
RT: 10.345 min Scan# 1403  
Delta R.T. -0.006 min  
Lab File: BF139846.D  
Acq: 18 Oct 2024 11:23

Tgt Ion:149 Resp: 269178  
Ion Ratio Lower Upper  
149 100  
177 22.4 17.9 26.9  
150 12.3 10.1 15.1

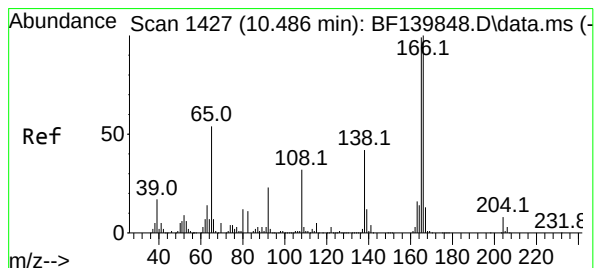
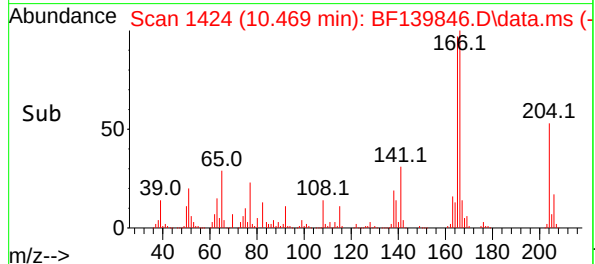
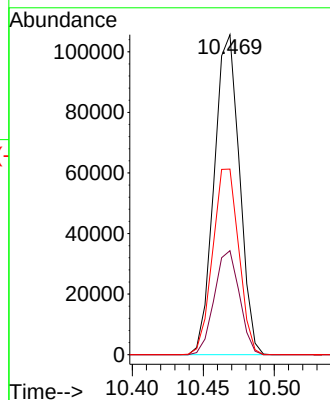
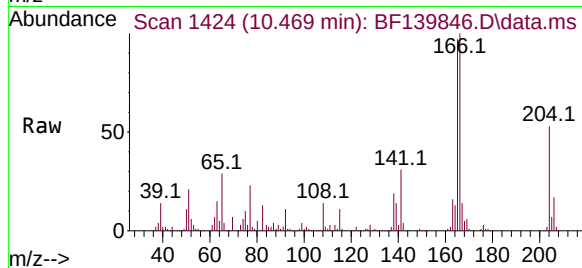




#61  
4-Chlorophenyl-phenylether  
Concen: 11.016 ng  
RT: 10.469 min Scan# 1424  
Delta R.T. 0.000 min  
Lab File: BF139846.D  
Acq: 18 Oct 2024 11:23

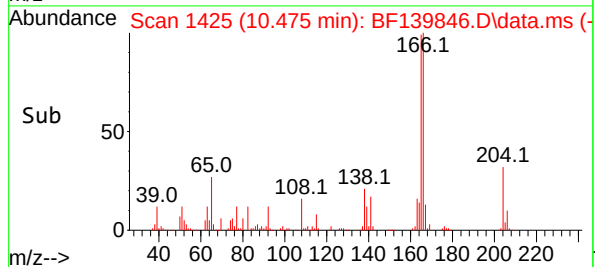
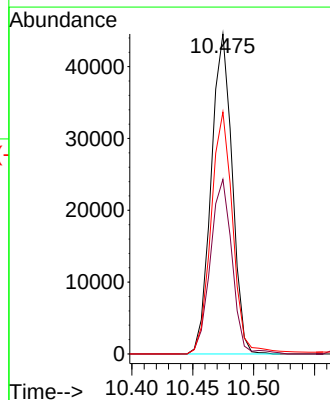
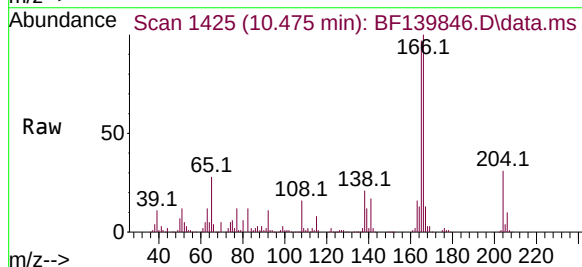
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC010

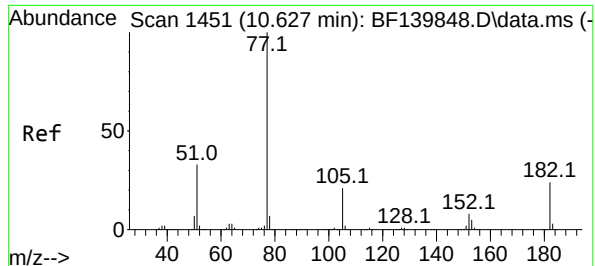
Tgt Ion:204 Resp: 131191  
Ion Ratio Lower Upper  
204 100  
206 32.5 26.3 39.5  
141 58.0 48.6 73.0



#62  
4-Nitroaniline  
Concen: 9.857 ng  
RT: 10.475 min Scan# 1425  
Delta R.T. -0.012 min  
Lab File: BF139846.D  
Acq: 18 Oct 2024 11:23

Tgt Ion:138 Resp: 53288  
Ion Ratio Lower Upper  
138 100  
92 54.6 35.7 75.7  
108 75.6 57.5 97.5

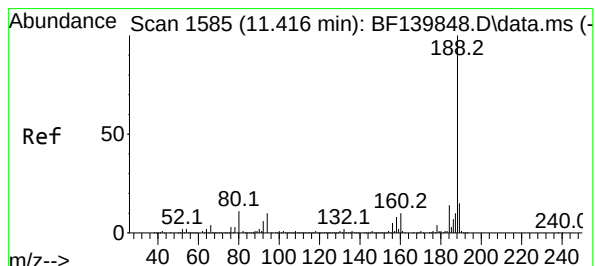
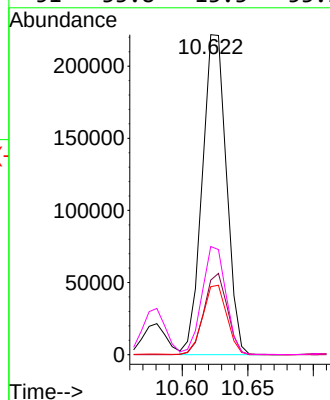
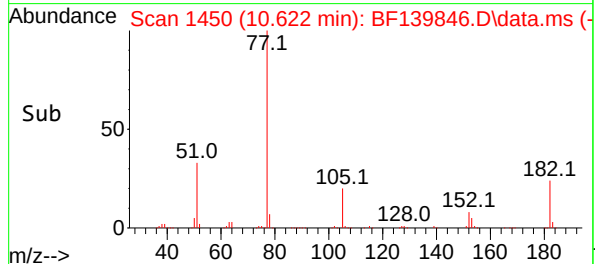
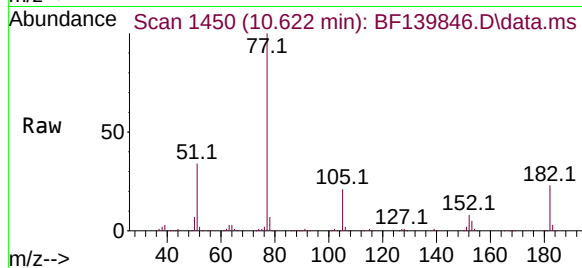




#63  
Azobenzene  
Concen: 10.679 ng  
RT: 10.622 min Scan# 1450  
Delta R.T. -0.006 min  
Lab File: BF139846.D  
Acq: 18 Oct 2024 11:23

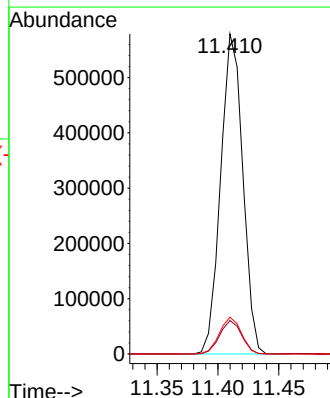
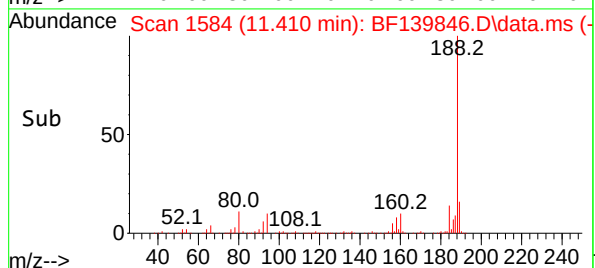
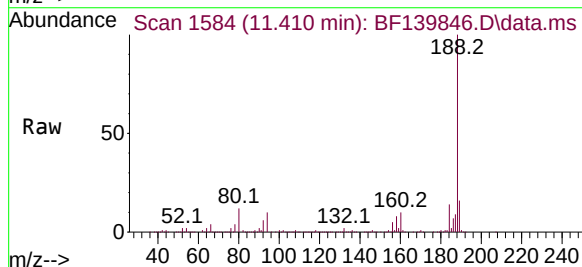
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC010

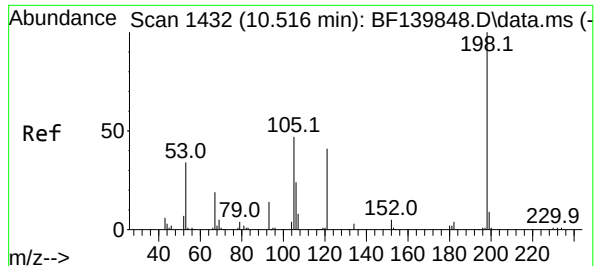
|             |              |
|-------------|--------------|
| Tgt Ion: 77 | Resp: 284960 |
| Ion Ratio   | Lower Upper  |
| 77 100      |              |
| 182 23.3    | 3.3 43.3     |
| 105 21.3    | 1.2 41.2     |
| 51 33.8     | 13.3 53.3    |



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.410 min Scan# 1584  
Delta R.T. -0.006 min  
Lab File: BF139846.D  
Acq: 18 Oct 2024 11:23

|              |              |
|--------------|--------------|
| Tgt Ion: 188 | Resp: 732661 |
| Ion Ratio    | Lower Upper  |
| 188 100      |              |
| 94 10.5      | 7.9 11.9     |
| 80 11.5      | 9.0 13.4     |

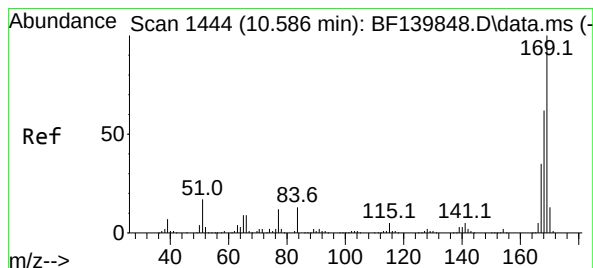
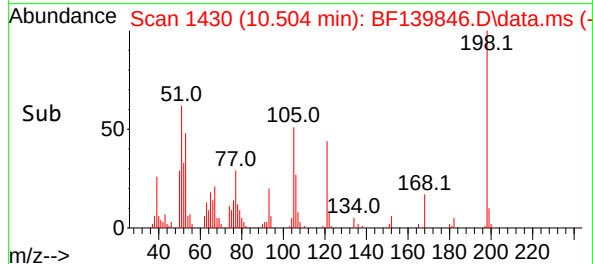
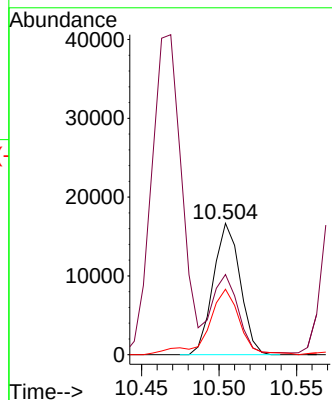
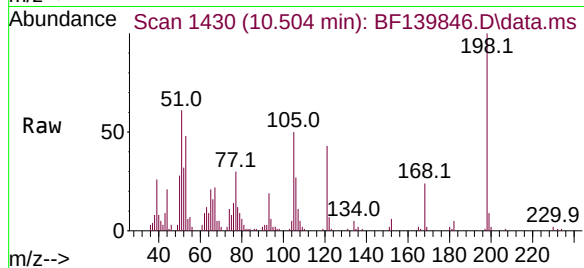




#65  
4,6-Dinitro-2-methylphenol  
Concen: 6.732 ng  
RT: 10.504 min Scan# 1432  
Delta R.T. -0.012 min  
Lab File: BF139846.D  
Acq: 18 Oct 2024 11:23

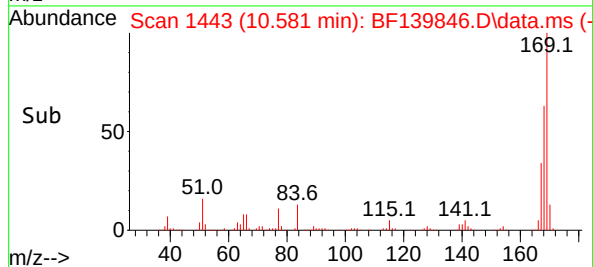
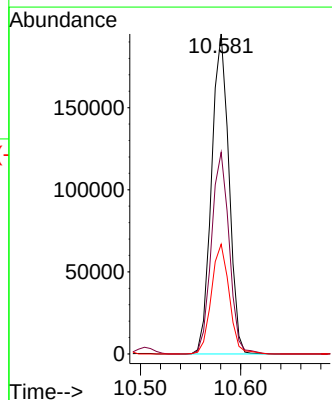
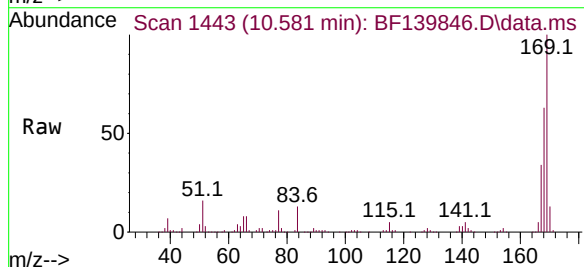
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC010

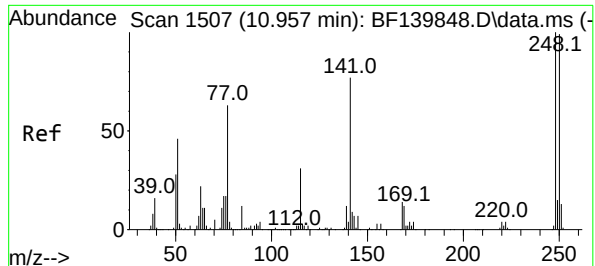
Tgt Ion:198 Resp: 20120  
Ion Ratio Lower Upper  
198 100  
51 61.0 38.2 78.2  
105 49.9 27.9 67.9



#66  
n-Nitrosodiphenylamine  
Concen: 10.705 ng  
RT: 10.581 min Scan# 1443  
Delta R.T. -0.006 min  
Lab File: BF139846.D  
Acq: 18 Oct 2024 11:23

Tgt Ion:169 Resp: 234741  
Ion Ratio Lower Upper  
169 100  
168 63.0 49.8 74.6  
167 34.3 28.0 42.0

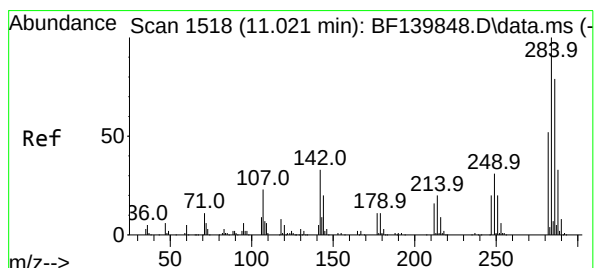
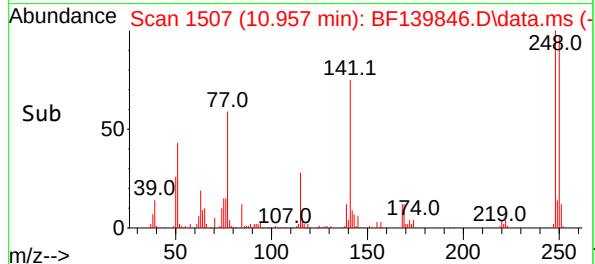
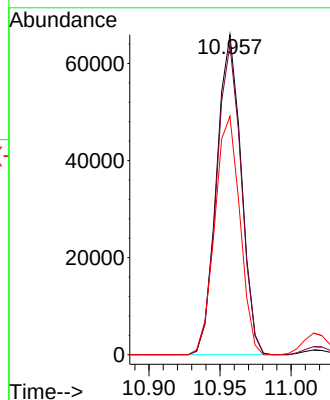
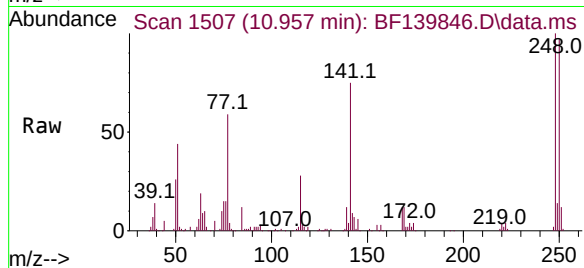




#67  
4-Bromophenyl-phenylether  
Concen: 10.522 ng  
RT: 10.957 min Scan# 1507  
Delta R.T. 0.000 min  
Lab File: BF139846.D  
Acq: 18 Oct 2024 11:23

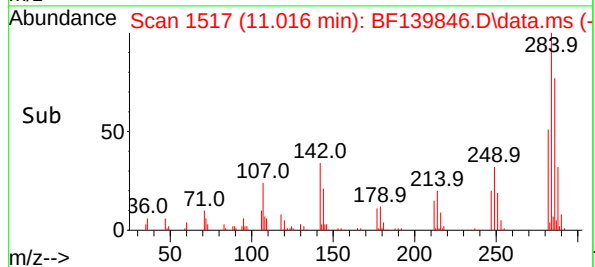
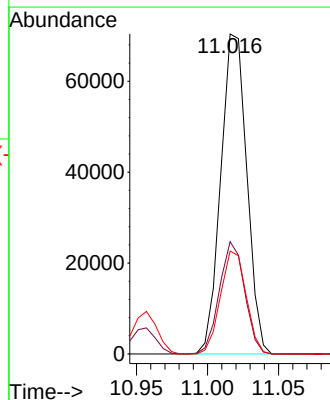
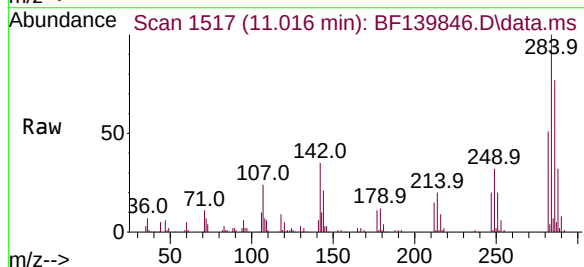
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC010

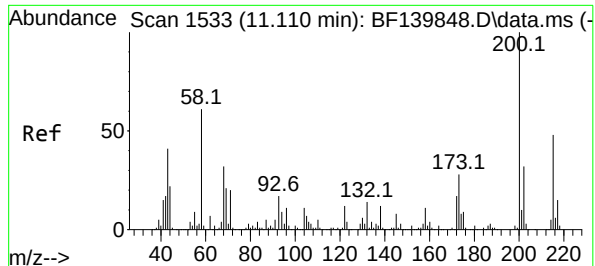
Tgt Ion:248 Resp: 79420  
Ion Ratio Lower Upper  
248 100  
250 96.8 79.0 118.6  
141 74.5 61.7 92.5



#68  
Hexachlorobenzene  
Concen: 10.594 ng  
RT: 11.016 min Scan# 1517  
Delta R.T. -0.006 min  
Lab File: BF139846.D  
Acq: 18 Oct 2024 11:23

Tgt Ion:284 Resp: 89927  
Ion Ratio Lower Upper  
284 100  
142 35.1 26.9 40.3  
249 32.2 25.3 37.9





#69

Atrazine

Concen: 10.819 ng

RT: 11.104 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF139846.D

Acq: 18 Oct 2024 11:23

Instrument :

BNA\_F

ClientSampleId :

SSTDICC010

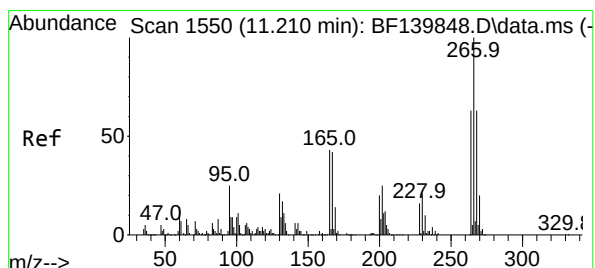
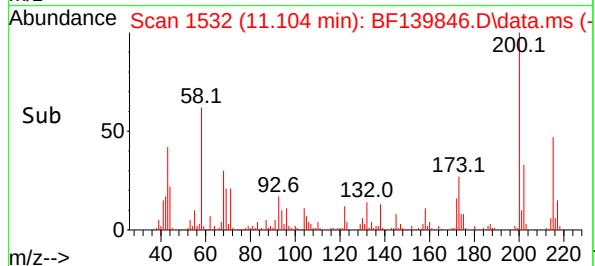
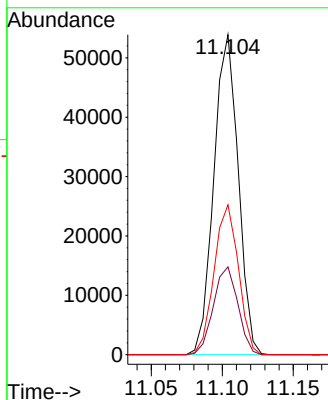
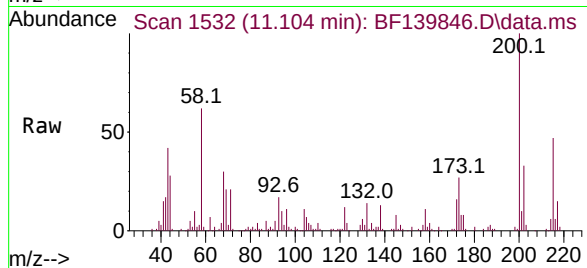
Tgt Ion:200 Resp: 64267

Ion Ratio Lower Upper

200 100

173 27.4 7.7 47.7

215 46.8 27.7 67.7



#70

Pentachlorophenol

Concen: 9.775 ng

RT: 11.210 min Scan# 1550

Delta R.T. 0.000 min

Lab File: BF139846.D

Acq: 18 Oct 2024 11:23

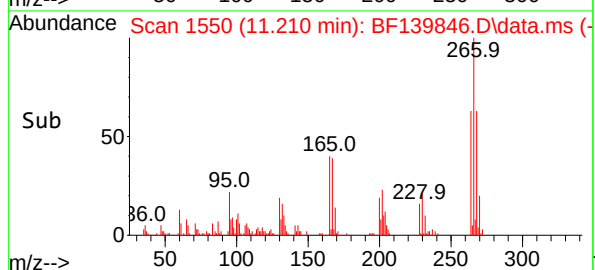
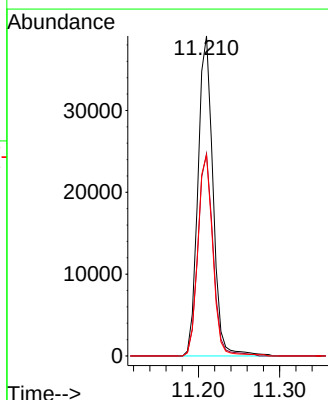
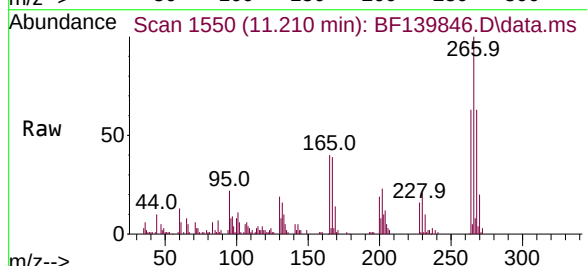
Tgt Ion:266 Resp: 50361

Ion Ratio Lower Upper

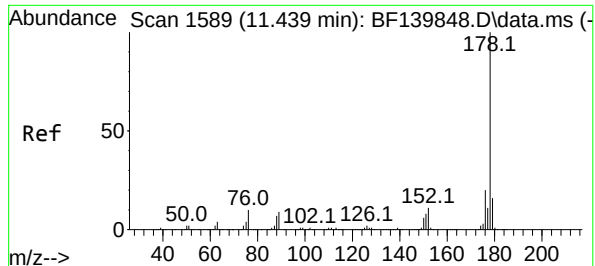
266 100

268 63.2 50.4 75.6

264 62.8 50.6 75.8



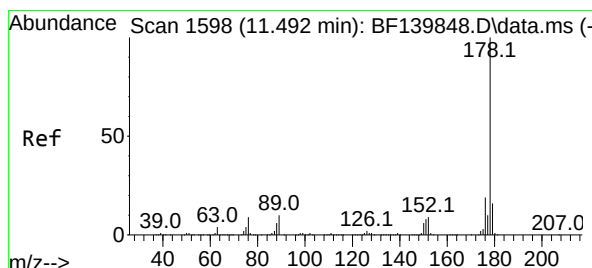
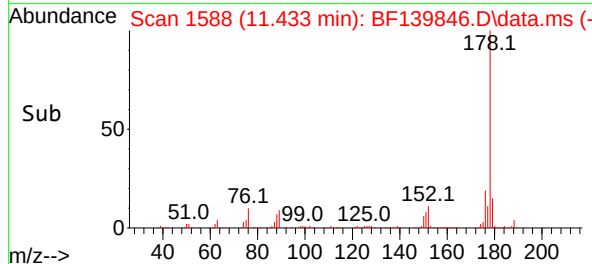
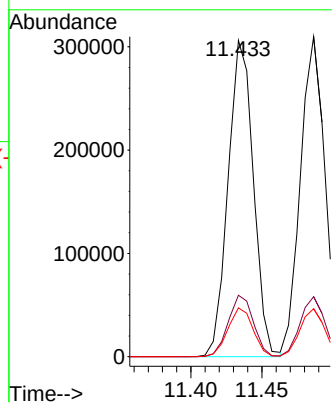
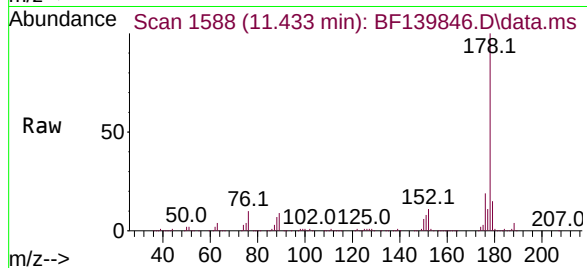




#71  
Phenanthrene  
Concen: 10.958 ng  
RT: 11.433 min Scan# 1588  
Delta R.T. -0.006 min  
Lab File: BF139846.D  
Acq: 18 Oct 2024 11:23

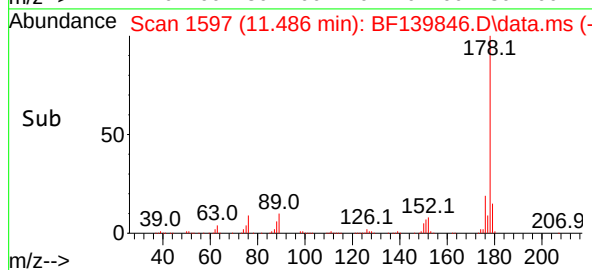
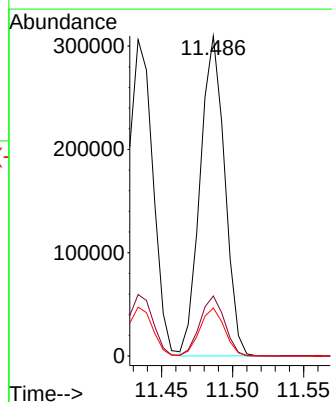
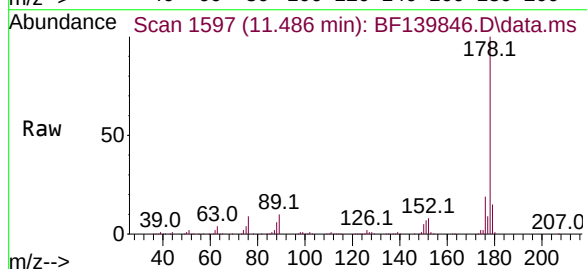
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC010

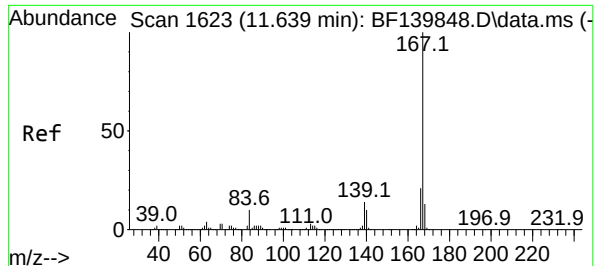
Tgt Ion:178 Resp: 379233  
Ion Ratio Lower Upper  
178 100  
176 19.4 15.8 23.6  
179 15.4 12.6 18.8



#72  
Anthracene  
Concen: 10.999 ng  
RT: 11.486 min Scan# 1597  
Delta R.T. -0.006 min  
Lab File: BF139846.D  
Acq: 18 Oct 2024 11:23

Tgt Ion:178 Resp: 371391  
Ion Ratio Lower Upper  
178 100  
176 18.7 15.3 22.9  
179 15.0 12.4 18.6

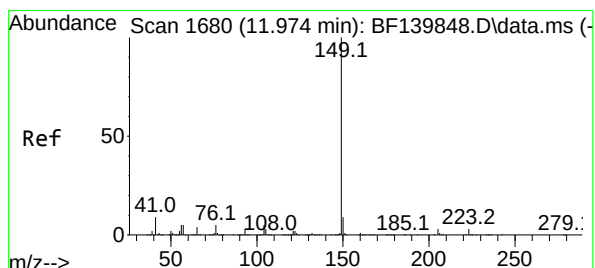
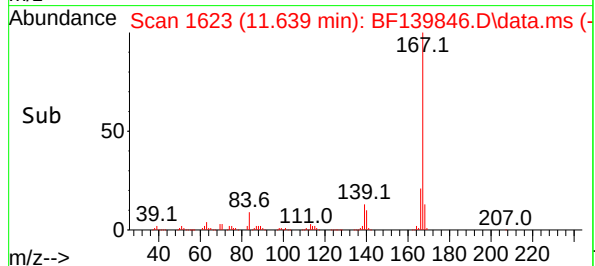
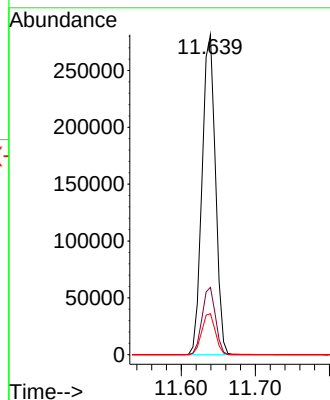
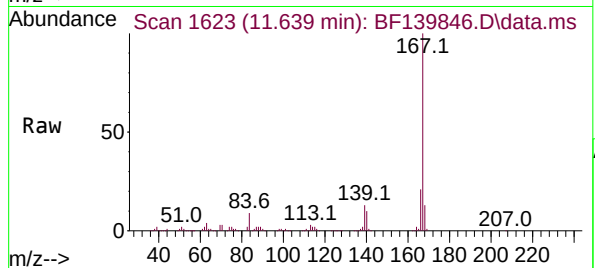




#73  
Carbazole  
Concen: 11.249 ng  
RT: 11.639 min Scan# 1623  
Delta R.T. 0.000 min  
Lab File: BF139846.D  
Acq: 18 Oct 2024 11:23

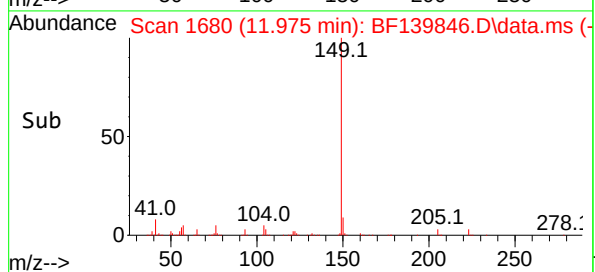
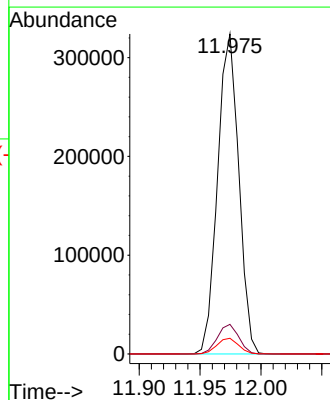
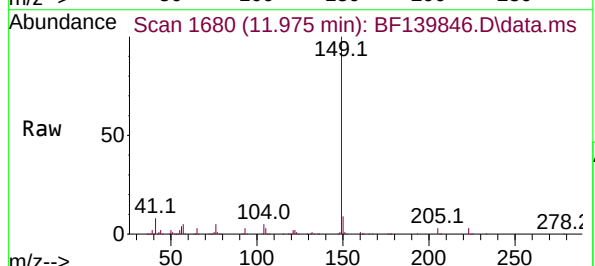
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC010

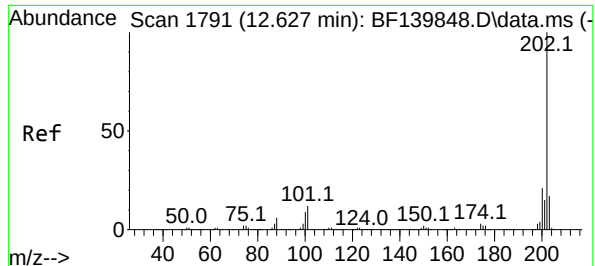
Tgt Ion:167 Resp: 353253  
Ion Ratio Lower Upper  
167 100  
166 21.0 17.0 25.6  
139 12.8 10.8 16.2



#74  
Di-n-butylphthalate  
Concen: 10.818 ng  
RT: 11.975 min Scan# 1680  
Delta R.T. 0.000 min  
Lab File: BF139846.D  
Acq: 18 Oct 2024 11:23

Tgt Ion:149 Resp: 392482  
Ion Ratio Lower Upper  
149 100  
150 9.2 7.5 11.3  
104 4.9 4.1 6.1

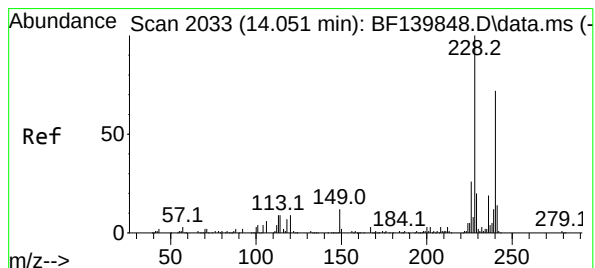
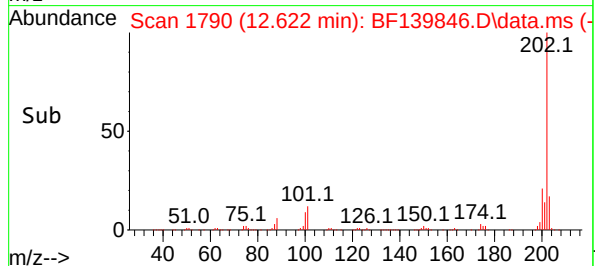
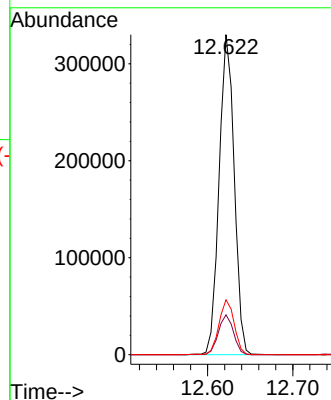
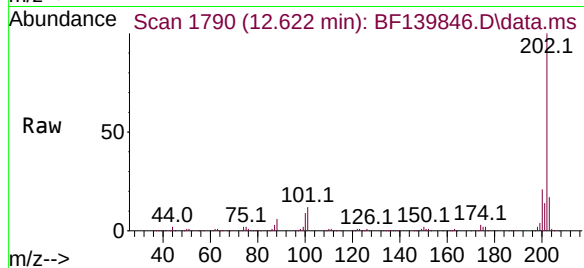




#75  
Fluoranthene  
Concen: 11.602 ng  
RT: 12.622 min Scan# 1791  
Delta R.T. -0.006 min  
Lab File: BF139846.D  
Acq: 18 Oct 2024 11:23

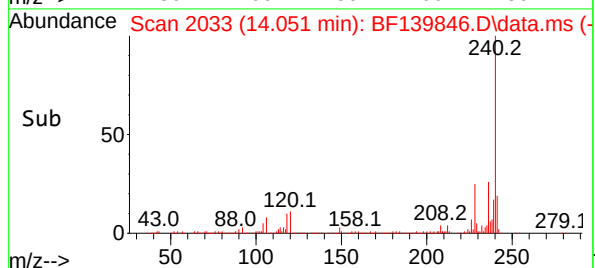
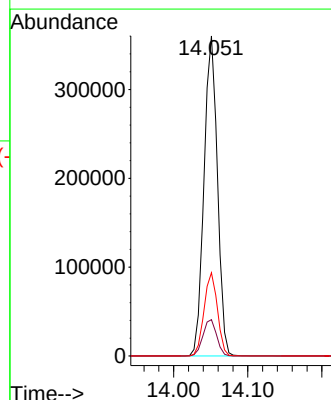
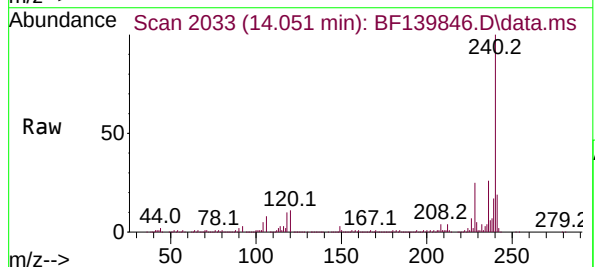
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC010

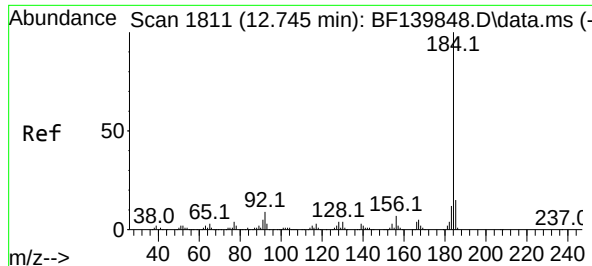
Tgt Ion:202 Resp: 405919  
Ion Ratio Lower Upper  
202 100  
101 12.5 0.0 31.9  
203 17.2 0.0 37.5



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.051 min Scan# 2033  
Delta R.T. 0.000 min  
Lab File: BF139846.D  
Acq: 18 Oct 2024 11:23

Tgt Ion:240 Resp: 452443  
Ion Ratio Lower Upper  
240 100  
120 11.4 9.4 14.2  
236 26.0 20.9 31.3

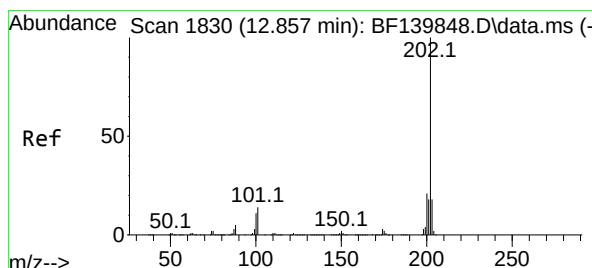
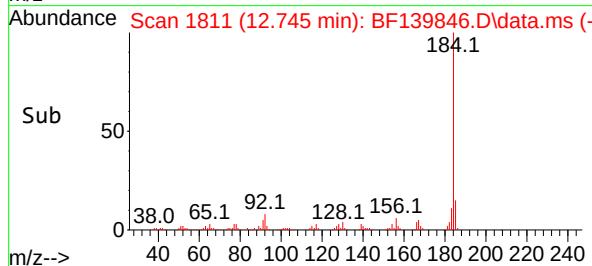
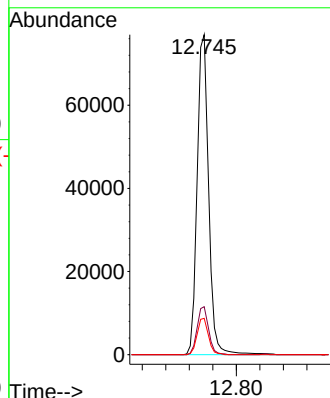
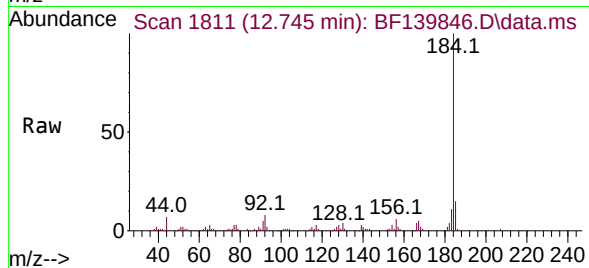




#77  
Benzidine  
Concen: 14.168 ng  
RT: 12.745 min Scan# 1811  
Delta R.T. 0.000 min  
Lab File: BF139846.D  
Acq: 18 Oct 2024 11:23

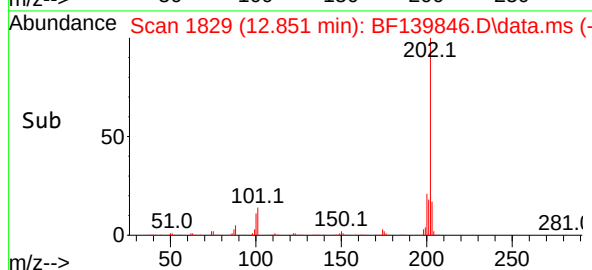
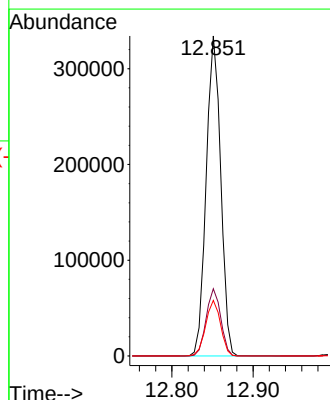
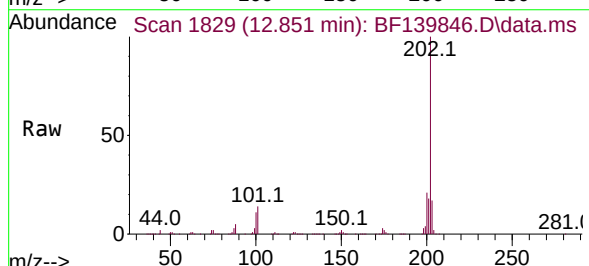
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC010

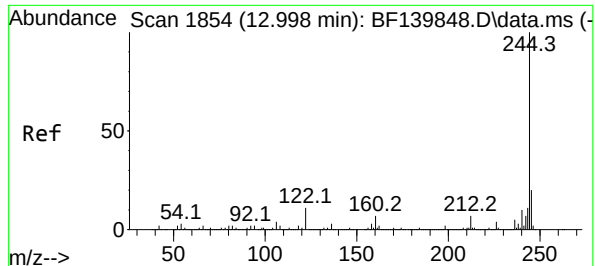
Tgt Ion:184 Resp: 104253  
Ion Ratio Lower Upper  
184 100  
185 15.0 12.0 18.0  
183 11.4 9.4 14.2



#78  
Pyrene  
Concen: 10.444 ng  
RT: 12.851 min Scan# 1829  
Delta R.T. -0.006 min  
Lab File: BF139846.D  
Acq: 18 Oct 2024 11:23

Tgt Ion:202 Resp: 413606  
Ion Ratio Lower Upper  
202 100  
200 21.0 17.2 25.8  
203 17.4 14.2 21.4





#79

Terphenyl-d14

Concen: 21.745 ng

RT: 12.998 min Scan# 1854

Delta R.T. 0.000 min

Lab File: BF139846.D

Acq: 18 Oct 2024 11:23

Instrument :

BNA\_F

ClientSampleId :

SSTDICC010

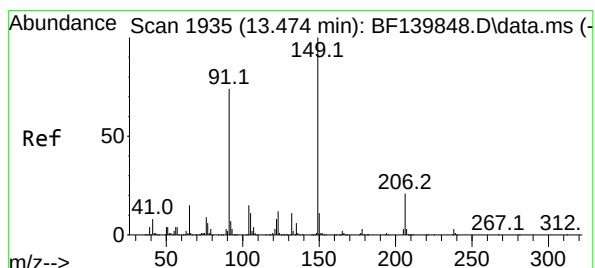
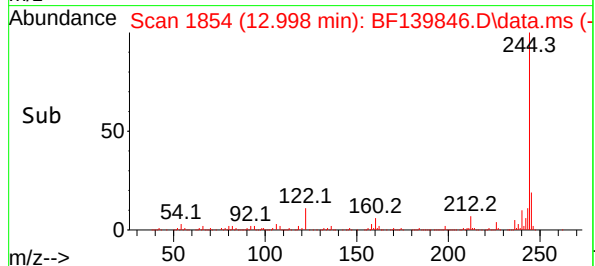
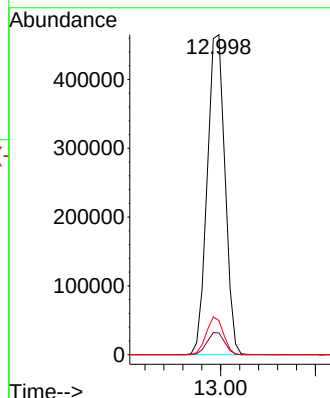
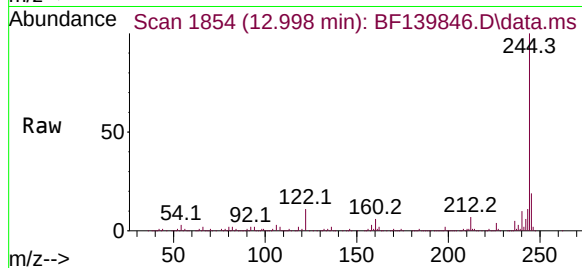
Tgt Ion:244 Resp: 603787

Ion Ratio Lower Upper

244 100

212 6.8 5.7 8.5

122 10.6 8.6 13.0



#80

Butylbenzylphthalate

Concen: 9.774 ng

RT: 13.474 min Scan# 1935

Delta R.T. 0.000 min

Lab File: BF139846.D

Acq: 18 Oct 2024 11:23

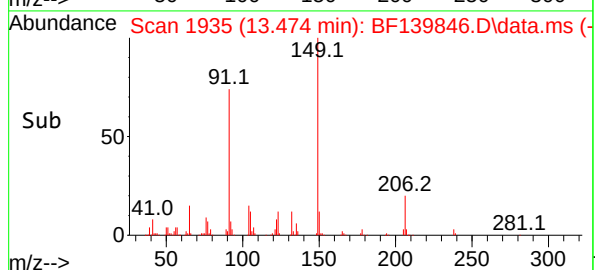
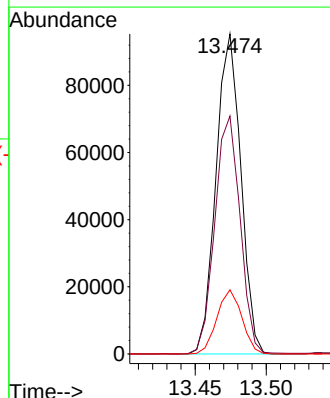
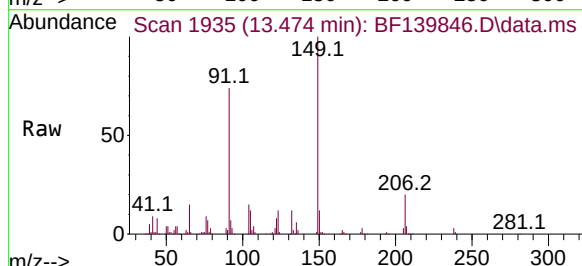
Tgt Ion:149 Resp: 116053

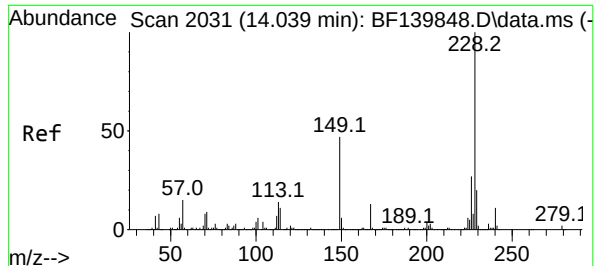
Ion Ratio Lower Upper

149 100

91 74.4 59.4 89.2

206 20.1 16.4 24.6

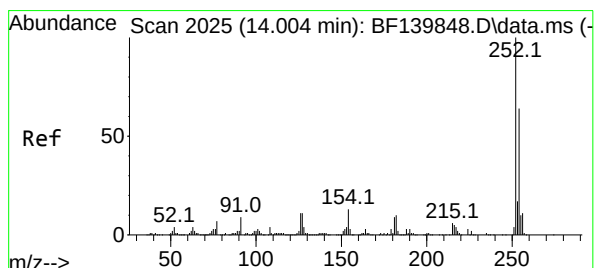
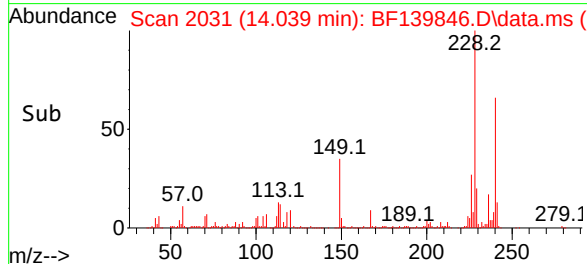
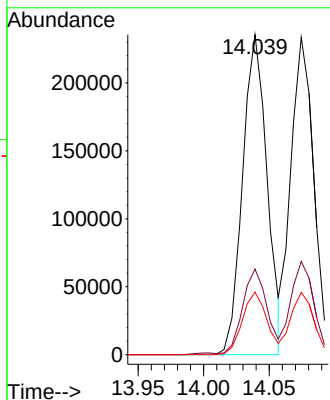
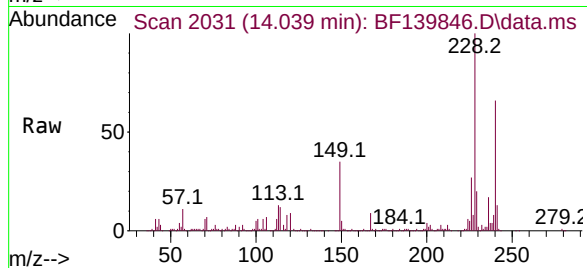




#81  
Benzo(a)anthracene  
Concen: 10.410 ng  
RT: 14.039 min Scan# 2031  
Delta R.T. 0.000 min  
Lab File: BF139846.D  
Acq: 18 Oct 2024 11:23

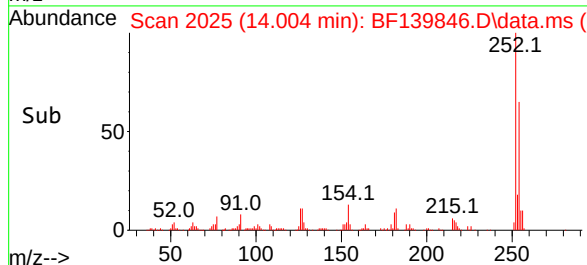
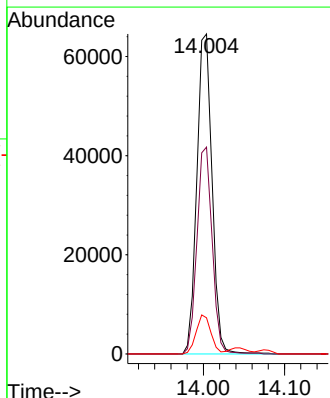
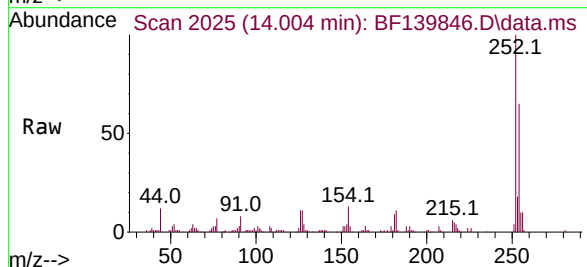
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC010

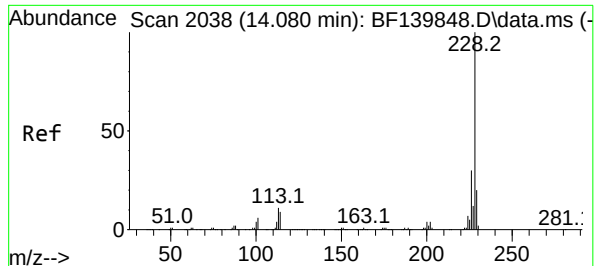
Tgt Ion:228 Resp: 306594  
Ion Ratio Lower Upper  
228 100  
226 26.7 21.6 32.4  
229 19.5 16.1 24.1



#82  
3,3'-Dichlorobenzidine  
Concen: 9.806 ng  
RT: 14.004 min Scan# 2025  
Delta R.T. 0.000 min  
Lab File: BF139846.D  
Acq: 18 Oct 2024 11:23

Tgt Ion:252 Resp: 84205  
Ion Ratio Lower Upper  
252 100  
254 64.7 50.8 76.2  
126 11.3 8.9 13.3





#83

Chrysene

Concen: 10.423 ng

RT: 14.074 min Scan# 2037

Delta R.T. -0.006 min

Lab File: BF139846.D

Acq: 18 Oct 2024 11:23

Instrument :

BNA\_F

ClientSampleId :

SSTDICC010

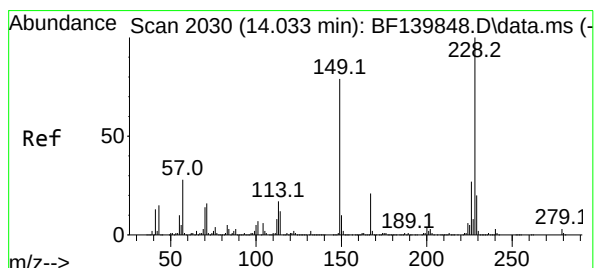
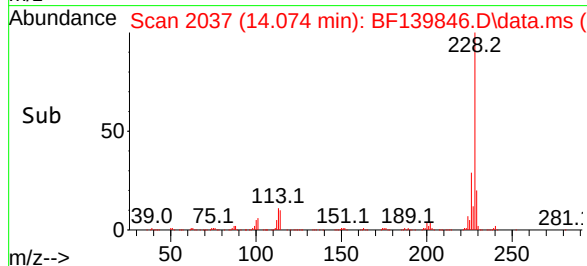
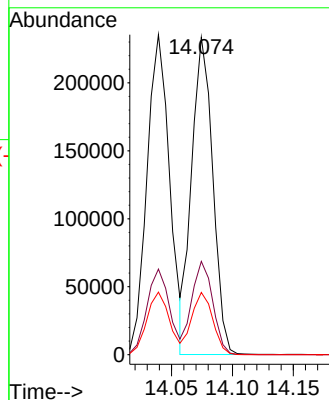
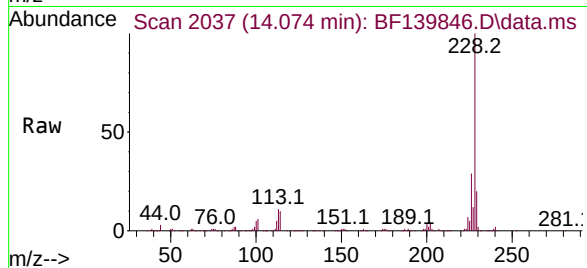
Tgt Ion:228 Resp: 281467

Ion Ratio Lower Upper

228 100

226 29.4 24.1 36.1

229 19.6 15.8 23.6



#84

Bis(2-ethylhexyl)phthalate

Concen: 9.153 ng

RT: 14.033 min Scan# 2030

Delta R.T. 0.000 min

Lab File: BF139846.D

Acq: 18 Oct 2024 11:23

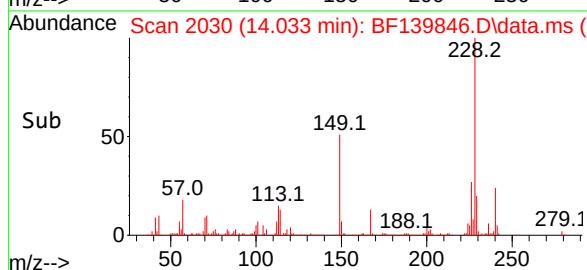
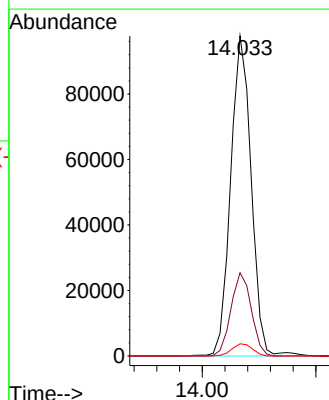
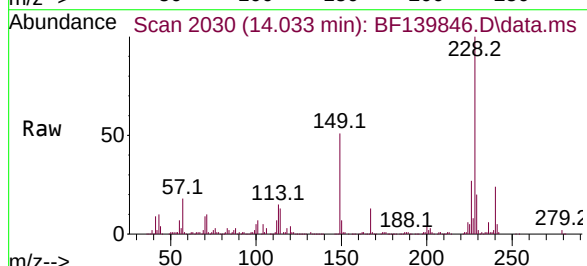
Tgt Ion:149 Resp: 121932

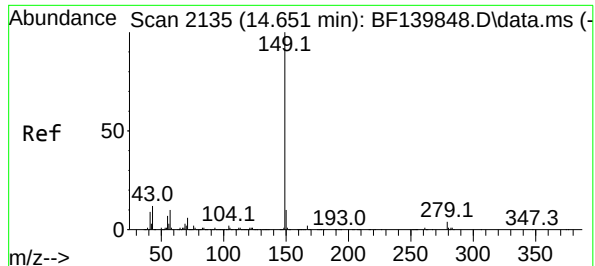
Ion Ratio Lower Upper

149 100

167 26.0 21.4 32.0

279 3.8 3.0 4.4

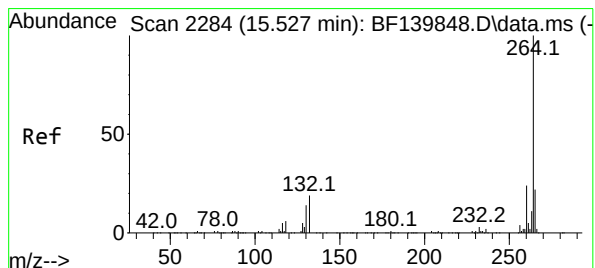
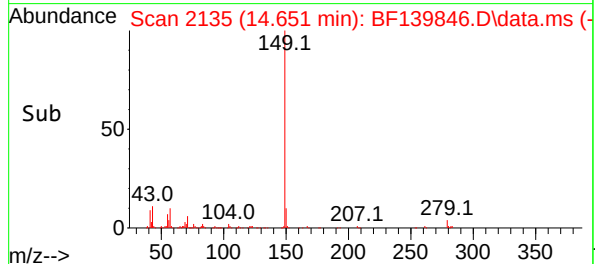
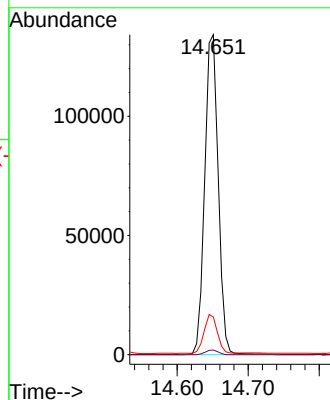
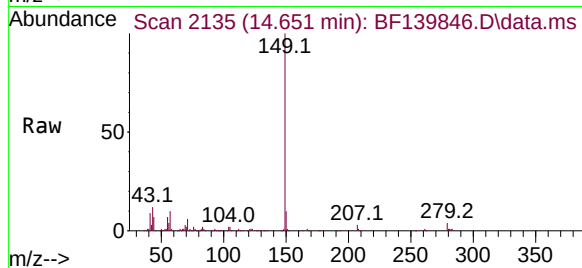




#85  
Di-n-octyl phthalate  
Concen: 7.339 ng  
RT: 14.651 min Scan# 2135  
Delta R.T. -0.000 min  
Lab File: BF139846.D  
Acq: 18 Oct 2024 11:23

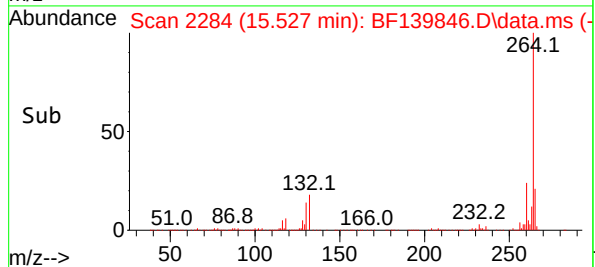
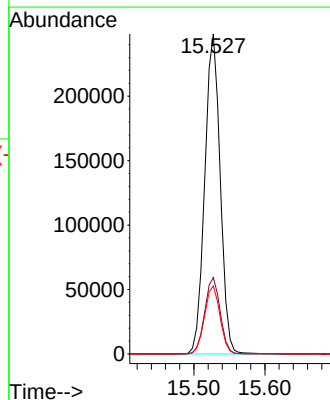
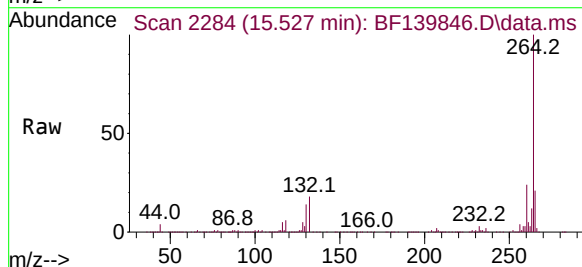
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC010

Tgt Ion:149 Resp: 177824  
Ion Ratio Lower Upper  
149 100  
167 1.4 1.2 1.8  
43 11.8 9.8 14.6

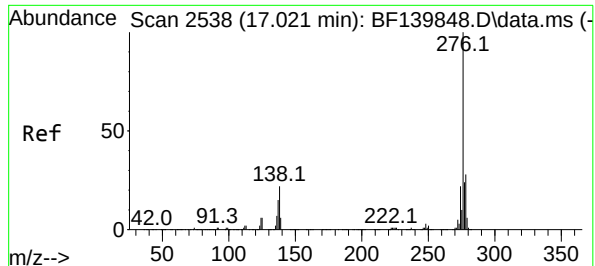


#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.527 min Scan# 2284  
Delta R.T. 0.000 min  
Lab File: BF139846.D  
Acq: 18 Oct 2024 11:23

Tgt Ion:264 Resp: 375863  
Ion Ratio Lower Upper  
264 100  
260 23.9 19.4 29.2  
265 21.3 17.4 26.0



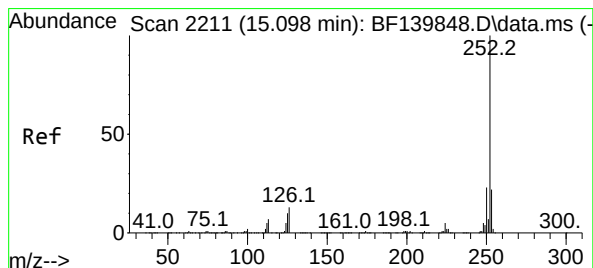
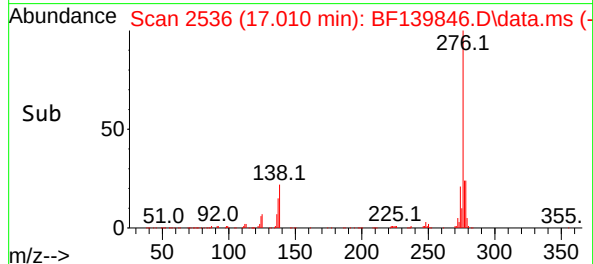
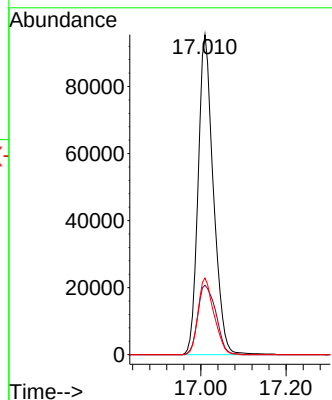
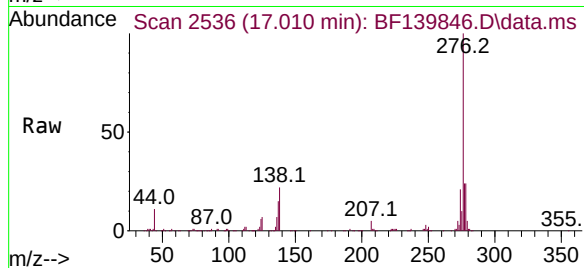




#87  
Indeno(1,2,3-cd)pyrene  
Concen: 9.798 ng  
RT: 17.010 min Scan# 21  
Delta R.T. -0.012 min  
Lab File: BF139846.D  
Acq: 18 Oct 2024 11:23

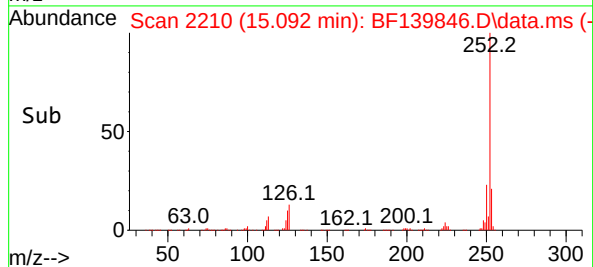
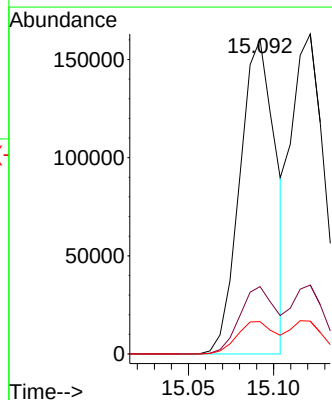
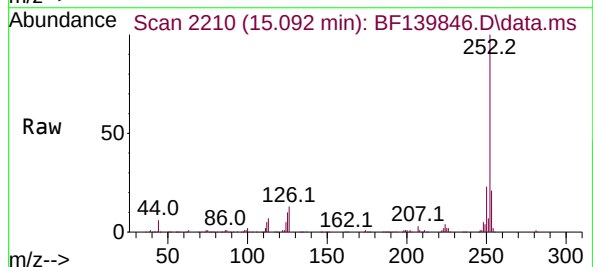
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC010

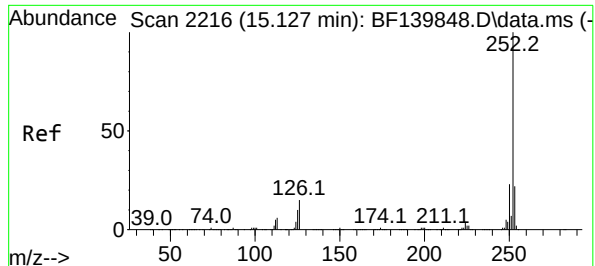
Tgt Ion:276 Resp: 236914  
Ion Ratio Lower Upper  
276 100  
138 25.8 20.4 30.6  
277 25.0 20.2 30.4



#88  
Benzo(b)fluoranthene  
Concen: 10.176 ng  
RT: 15.092 min Scan# 2210  
Delta R.T. -0.006 min  
Lab File: BF139846.D  
Acq: 18 Oct 2024 11:23

Tgt Ion:252 Resp: 232988  
Ion Ratio Lower Upper  
252 100  
253 21.4 17.6 26.4  
125 10.3 7.9 11.9





#89

Benzo(k)fluoranthene

Concen: 11.203 ng

RT: 15.121 min Scan# 2216

Delta R.T. -0.006 min

Lab File: BF139846.D

Acq: 18 Oct 2024 11:23

Instrument :

BNA\_F

ClientSampleId :

SSTDICC010

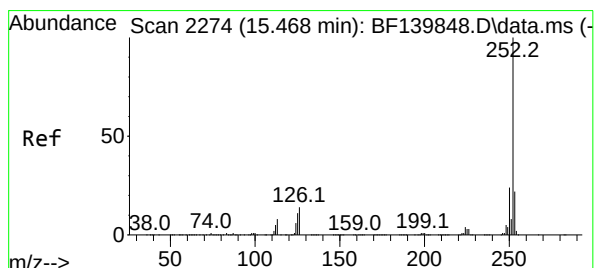
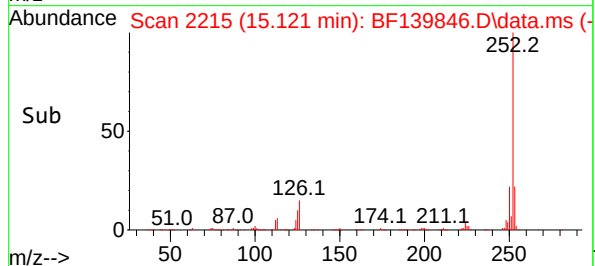
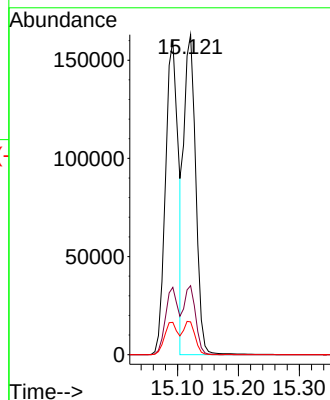
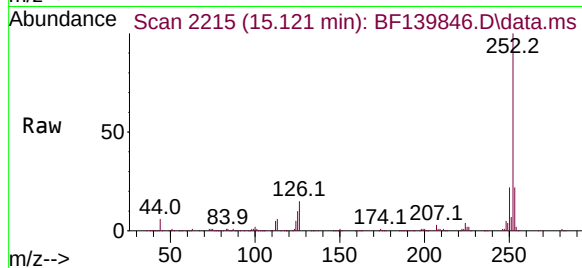
Tgt Ion:252 Resp: 221219

Ion Ratio Lower Upper

252 100

253 21.5 17.6 26.4

125 10.2 7.9 11.9



#90

Benzo(a)pyrene

Concen: 10.217 ng

RT: 15.463 min Scan# 2273

Delta R.T. -0.006 min

Lab File: BF139846.D

Acq: 18 Oct 2024 11:23

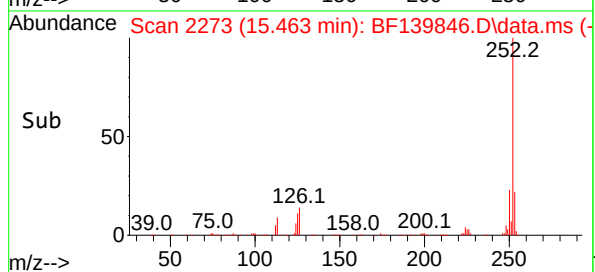
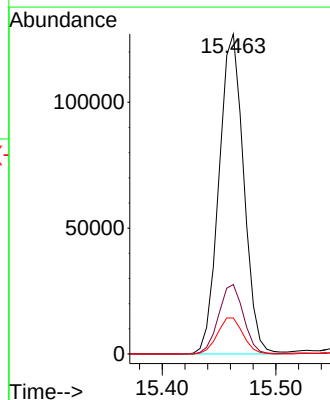
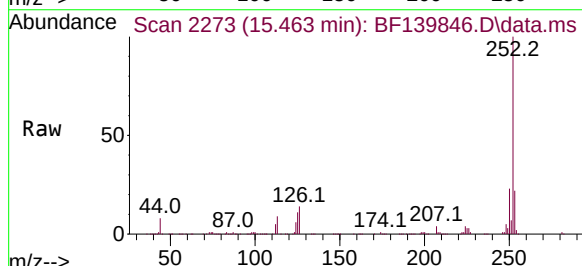
Tgt Ion:252 Resp: 192493

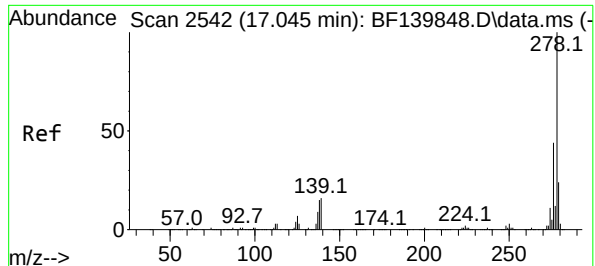
Ion Ratio Lower Upper

252 100

253 21.7 17.3 25.9

125 11.3 8.7 13.1

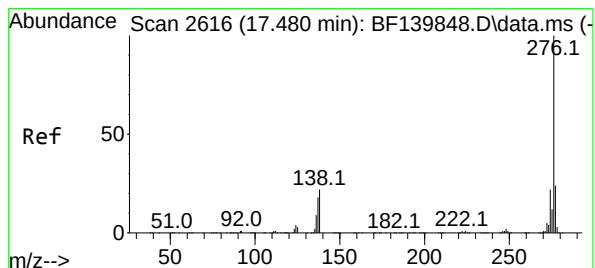
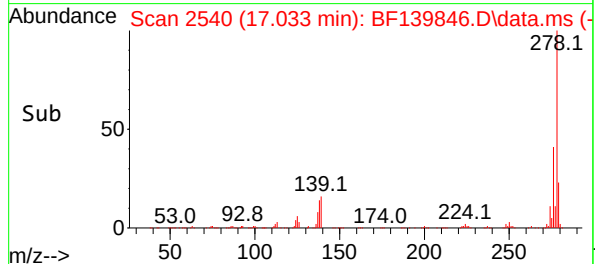
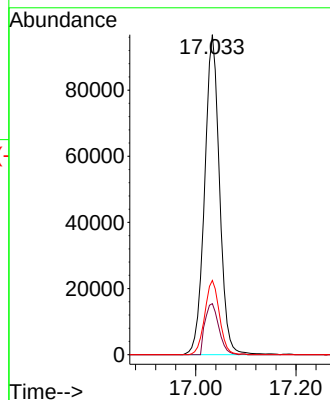
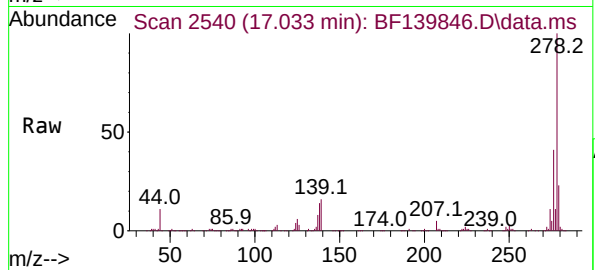




#91  
Dibenzo(a,h)anthracene  
Concen: 9.912 ng  
RT: 17.033 min Scan# 21  
Delta R.T. -0.012 min  
Lab File: BF139846.D  
Acq: 18 Oct 2024 11:23

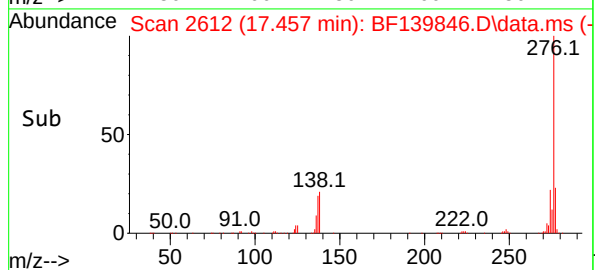
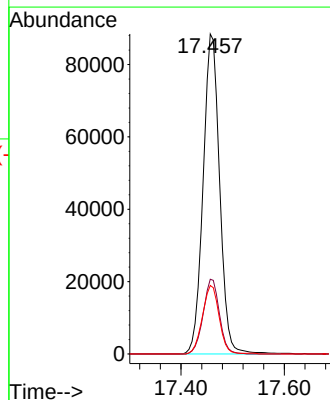
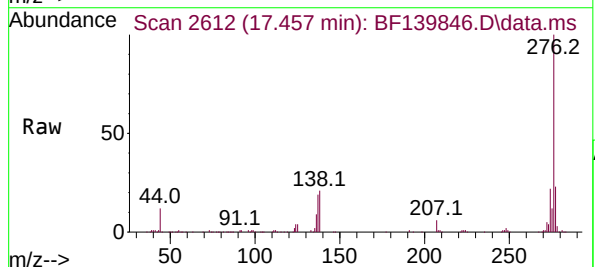
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC010

Tgt Ion:278 Resp: 199946  
Ion Ratio Lower Upper  
278 100  
139 16.0 13.1 19.7  
279 23.2 19.0 28.4



#92  
Benzo(g,h,i)perylene  
Concen: 9.758 ng  
RT: 17.457 min Scan# 2612  
Delta R.T. -0.023 min  
Lab File: BF139846.D  
Acq: 18 Oct 2024 11:23

Tgt Ion:276 Resp: 196609  
Ion Ratio Lower Upper  
276 100  
277 23.3 19.0 28.6  
138 21.4 17.4 26.0



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF101824\  
 Data File : BF139847.D  
 Acq On : 18 Oct 2024 11:52  
 Operator : RC/JU  
 Sample : SSTDICC020  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDICC020

Quant Time: Oct 18 14:18:00 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101824.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Oct 18 14:11:20 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.893  | 152  | 192582   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.175  | 136  | 735124   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.928  | 164  | 413023   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.410 | 188  | 724973   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 14.051 | 240  | 402251   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12              | 15.527 | 264  | 371811   | 20.000 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.498  | 112  | 512648   | 41.673 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.504  | 99   | 658086   | 41.304 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.451  | 82   | 546550   | 41.206 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.710 | 330  | 159165   | 41.199 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.245  | 172  | 1057523  | 42.316 | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.998 | 244  | 1078101  | 43.673 | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.681  | 88   | 116188   | 20.257 | ng    | 98       |
| 3) Pyridine                   | 3.440  | 79   | 293019   | 20.611 | ng    | 98       |
| 4) n-Nitrosodimethylamine     | 3.381  | 42   | 153824   | 20.138 | ng    | 99       |
| 6) Aniline                    | 6.551  | 93   | 311561   | 20.982 | ng    | 99       |
| 8) 2-Chlorophenol             | 6.669  | 128  | 261502   | 20.794 | ng    | 98       |
| 9) Benzaldehyde               | 6.440  | 77   | 200586   | 22.379 | ng    | 98       |
| 10) Phenol                    | 6.516  | 94   | 338933   | 20.269 | ng    | 98       |
| 11) bis(2-Chloroethyl)ether   | 6.622  | 93   | 261690   | 20.612 | ng    | 99       |
| 12) 1,3-Dichlorobenzene       | 6.828  | 146  | 297432   | 20.603 | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 6.910  | 146  | 300107   | 20.808 | ng    | 98       |
| 14) 1,2-Dichlorobenzene       | 7.063  | 146  | 284645   | 21.146 | ng    | 99       |
| 15) Benzyl Alcohol            | 7.022  | 79   | 242106   | 20.715 | ng    | 99       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.163  | 45   | 453174   | 20.933 | ng    | 99       |
| 17) 2-Methylphenol            | 7.128  | 107  | 218455   | 20.371 | ng    | 99       |
| 18) Hexachloroethane          | 7.404  | 117  | 105775   | 20.566 | ng    | 98       |
| 19) n-Nitroso-di-n-propyla... | 7.293  | 70   | 197390   | 20.427 | ng    | 97       |
| 20) 3+4-Methylphenols         | 7.281  | 107  | 292795   | 21.346 | ng    | 96       |
| 22) Acetophenone              | 7.293  | 105  | 379127   | 21.056 | ng    | 99       |
| 24) Nitrobenzene              | 7.469  | 77   | 299625   | 20.604 | ng    | 99       |
| 25) Isophorone                | 7.704  | 82   | 516119   | 20.502 | ng    | 100      |
| 26) 2-Nitrophenol             | 7.787  | 139  | 110497   | 20.141 | ng    | 97       |
| 27) 2,4-Dimethylphenol        | 7.816  | 122  | 187930   | 20.544 | ng    | 98       |
| 28) bis(2-Chloroethoxy)met... | 7.916  | 93   | 317497   | 20.816 | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 8.016  | 162  | 215409   | 20.673 | ng    | 98       |
| 30) 1,2,4-Trichlorobenzene    | 8.110  | 180  | 238559   | 20.691 | ng    | 100      |
| 31) Naphthalene               | 8.192  | 128  | 801971   | 21.153 | ng    | 99       |
| 32) Benzoic acid              | 7.892  | 122  | 152028   | 19.054 | ng    | 99       |
| 33) 4-Chloroaniline           | 8.239  | 127  | 270435   | 20.919 | ng    | 98       |
| 34) Hexachlorobutadiene       | 8.310  | 225  | 149527   | 20.641 | ng    | 100      |
| 35) Caprolactam               | 8.587  | 113  | 67624    | 20.411 | ng    | 100      |
| 36) 4-Chloro-3-methylphenol   | 8.704  | 107  | 238461   | 20.668 | ng    | 100      |
| 37) 2-Methylnaphthalene       | 8.881  | 142  | 489343   | 21.075 | ng    | 100      |
| 38) 1-Methylnaphthalene       | 8.981  | 142  | 481797   | 21.149 | ng    | 100      |
| 40) 1,2,4,5-Tetrachloroben... | 9.045  | 216  | 232025   | 20.823 | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 9.039  | 237  | 81579    | 21.041 | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 9.157  | 196  | 165112   | 20.930 | ng    | 99       |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF101824\  
 Data File : BF139847.D  
 Acq On : 18 Oct 2024 11:52  
 Operator : RC/JU  
 Sample : SSTDICC020  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDICC020

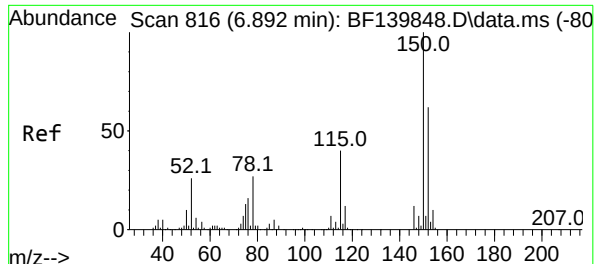
Quant Time: Oct 18 14:18:00 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101824.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Oct 18 14:11:20 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.192  | 196  | 164517   | 20.213 | ng    | 98       |
| 46) 1,1'-Biphenyl             | 9.345  | 154  | 612342   | 21.297 | ng    | 99       |
| 47) 2-Chloronaphthalene       | 9.375  | 162  | 480916   | 20.767 | ng    | 99       |
| 48) 2-Nitroaniline            | 9.463  | 65   | 146002   | 20.614 | ng    | 98       |
| 49) Acenaphthylene            | 9.786  | 152  | 709161   | 21.182 | ng    | 99       |
| 50) Dimethylphthalate         | 9.645  | 163  | 529745   | 20.592 | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 9.704  | 165  | 114726   | 20.596 | ng    | 98       |
| 52) Acenaphthene              | 9.963  | 154  | 449770   | 20.768 | ng    | 99       |
| 53) 3-Nitroaniline            | 9.869  | 138  | 122186   | 21.271 | ng    | 99       |
| 54) 2,4-Dinitrophenol         | 9.975  | 184  | 31801    | 19.148 | ng    | # 67     |
| 55) Dibenzofuran              | 10.134 | 168  | 652249   | 20.991 | ng    | 98       |
| 56) 4-Nitrophenol             | 10.010 | 139  | 93060    | 21.057 | ng    | 95       |
| 57) 2,4-Dinitrotoluene        | 10.104 | 165  | 139381   | 20.348 | ng    | 98       |
| 58) Fluorene                  | 10.475 | 166  | 496012   | 20.958 | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol | 10.245 | 232  | 134842   | 21.133 | ng    | 98       |
| 60) Diethylphthalate          | 10.345 | 149  | 523458   | 20.723 | ng    | 100      |
| 61) 4-Chlorophenyl-phenyle... | 10.469 | 204  | 254950   | 21.331 | ng    | 97       |
| 62) 4-Nitroaniline            | 10.481 | 138  | 111683   | 20.586 | ng    | 98       |
| 63) Azobenzene                | 10.628 | 77   | 559837   | 20.906 | ng    | 99       |
| 65) 4,6-Dinitro-2-methylph... | 10.510 | 198  | 52180    | 17.645 | ng    | 100      |
| 66) n-Nitrosodiphenylamine    | 10.581 | 169  | 449925   | 20.736 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 10.957 | 248  | 153196   | 20.512 | ng    | 98       |
| 68) Hexachlorobenzene         | 11.022 | 284  | 172091   | 20.488 | ng    | 99       |
| 69) Atrazine                  | 11.104 | 200  | 113089   | 19.240 | ng    | 99       |
| 70) Pentachlorophenol         | 11.210 | 266  | 107595   | 21.106 | ng    | 99       |
| 71) Phenanthrene              | 11.439 | 178  | 720363   | 21.036 | ng    | 100      |
| 72) Anthracene                | 11.486 | 178  | 704417   | 21.083 | ng    | 99       |
| 73) Carbazole                 | 11.639 | 167  | 669328   | 21.540 | ng    | 100      |
| 74) Di-n-butylphthalate       | 11.975 | 149  | 769779   | 21.442 | ng    | 99       |
| 75) Fluoranthene              | 12.622 | 202  | 751337   | 21.703 | ng    | 99       |
| 77) Benzidine                 | 12.745 | 184  | 118035   | 18.042 | ng    | 100      |
| 78) Pyrene                    | 12.851 | 202  | 764077   | 21.700 | ng    | 100      |
| 80) Butylbenzylphthalate      | 13.474 | 149  | 215683   | 20.432 | ng    | 98       |
| 81) Benzo(a)anthracene        | 14.039 | 228  | 534525   | 20.413 | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine    | 14.004 | 252  | 156770   | 20.534 | ng    | 100      |
| 83) Chrysene                  | 14.074 | 228  | 496447   | 20.678 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 14.033 | 149  | 232200   | 19.606 | ng    | 99       |
| 85) Di-n-octyl phthalate      | 14.651 | 149  | 373952   | 17.359 | ng    | 100      |
| 87) Indeno(1,2,3-cd)pyrene    | 17.015 | 276  | 485858   | 20.312 | ng    | 100      |
| 88) Benzo(b)fluoranthene      | 15.092 | 252  | 490566   | 21.659 | ng    | 100      |
| 89) Benzo(k)fluoranthene      | 15.121 | 252  | 368835   | 18.883 | ng    | 99       |
| 90) Benzo(a)pyrene            | 15.463 | 252  | 378617   | 20.316 | ng    | 100      |
| 91) Dibenzo(a,h)anthracene    | 17.039 | 278  | 410285   | 20.561 | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 17.468 | 276  | 405140   | 20.326 | ng    | 99       |

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

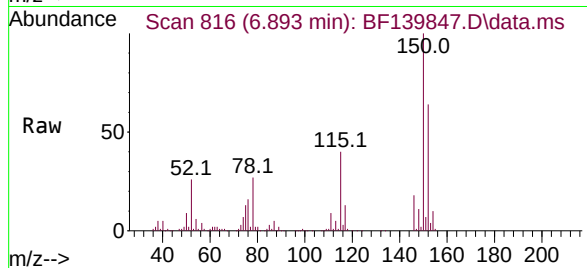
**Instrument :**  
BNA\_F  
**ClientSampleId :**  
SSTDICC020

[illegible]

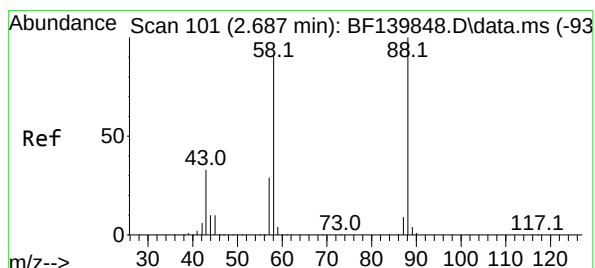
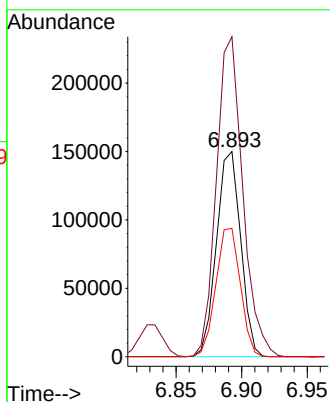
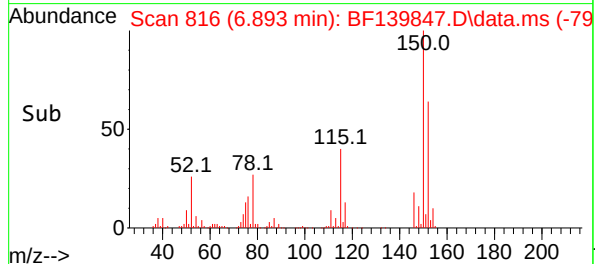


#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.893 min Scan# 81  
Delta R.T. 0.001 min  
Lab File: BF139847.D  
Acq: 18 Oct 2024 11:52

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC020

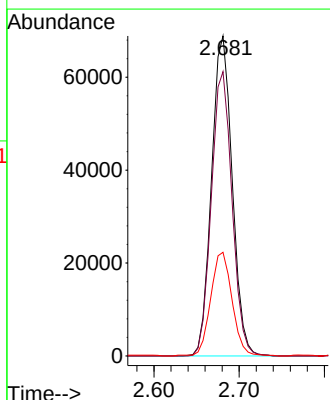
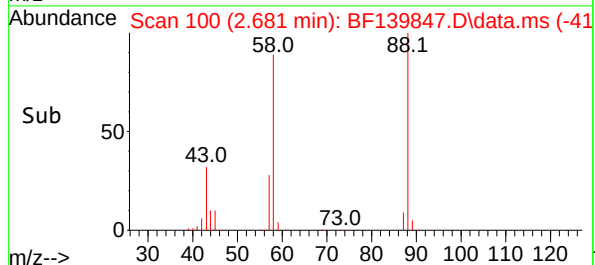
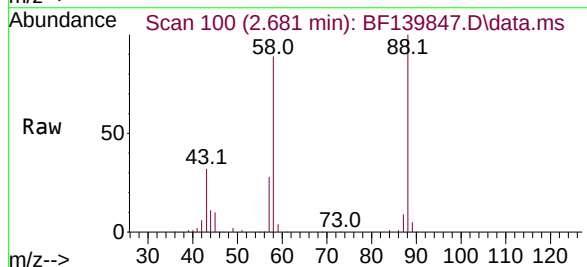


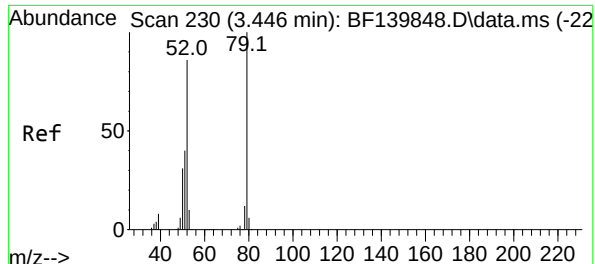
Tgt Ion:152 Resp: 192582  
Ion Ratio Lower Upper  
152 100  
150 156.0 130.2 195.2  
115 62.6 51.4 77.2



#2  
1,4-Dioxane  
Concen: 20.257 ng  
RT: 2.681 min Scan# 100  
Delta R.T. -0.006 min  
Lab File: BF139847.D  
Acq: 18 Oct 2024 11:52

Tgt Ion: 88 Resp: 116188  
Ion Ratio Lower Upper  
88 100  
58 88.9 73.3 109.9  
43 33.6 27.1 40.7





#3

Pyridine

Concen: 20.611 ng

RT: 3.440 min Scan# 219

Delta R.T. -0.006 min

Lab File: BF139847.D

Acq: 18 Oct 2024 11:52

Instrument :

BNA\_F

ClientSampleId :

SSTDICC020

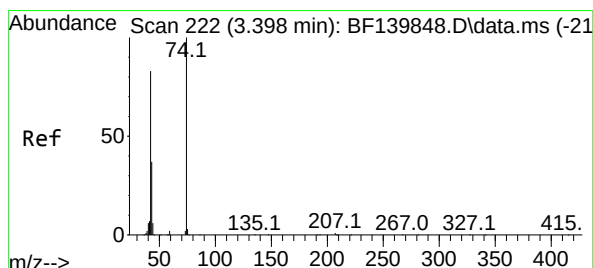
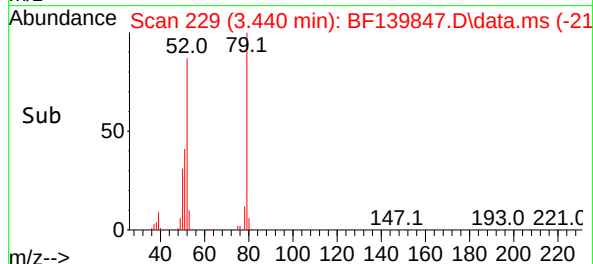
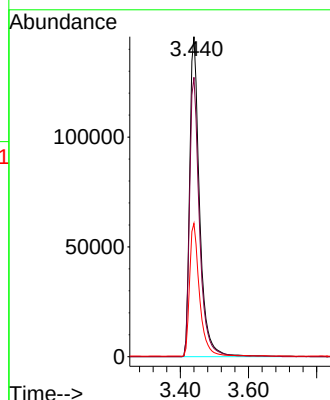
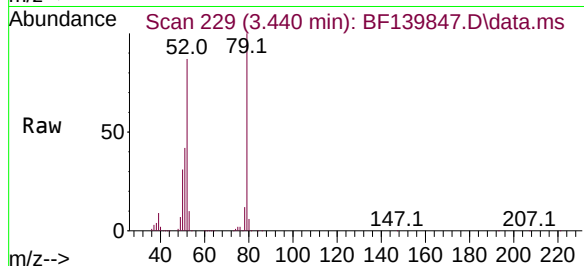
Tgt Ion: 79 Resp: 293019

Ion Ratio Lower Upper

79 100

52 87.3 68.5 102.7

51 41.6 32.3 48.5



#4

n-Nitrosodimethylamine

Concen: 20.138 ng

RT: 3.381 min Scan# 219

Delta R.T. -0.017 min

Lab File: BF139847.D

Acq: 18 Oct 2024 11:52

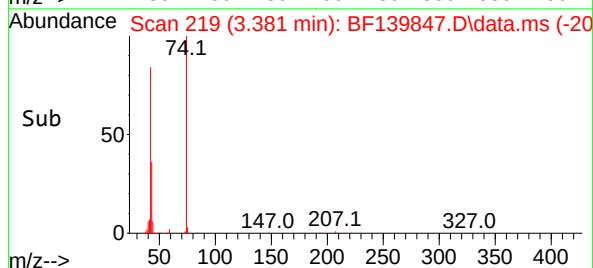
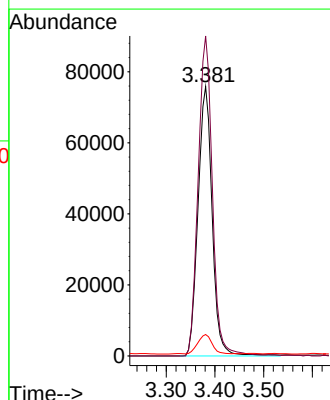
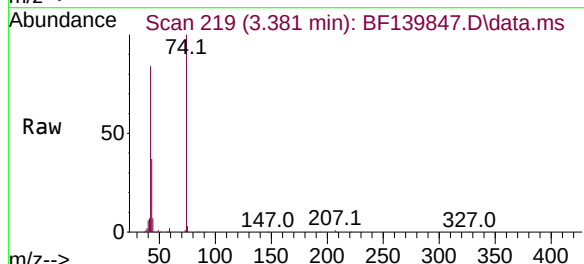
Tgt Ion: 42 Resp: 153824

Ion Ratio Lower Upper

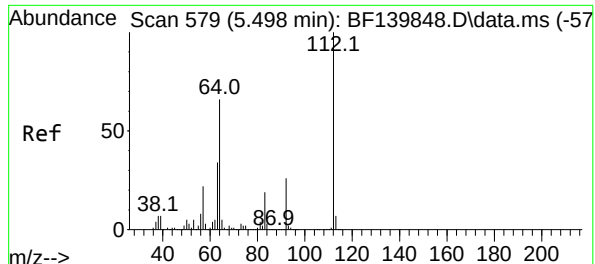
42 100

74 118.8 96.2 144.4

44 8.0 6.2 9.2



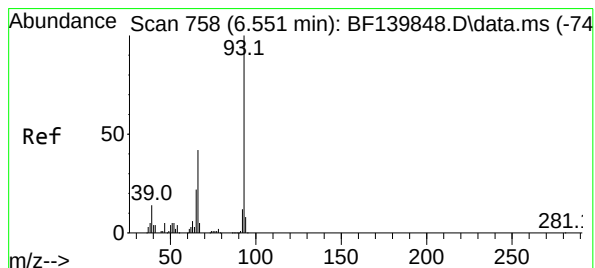
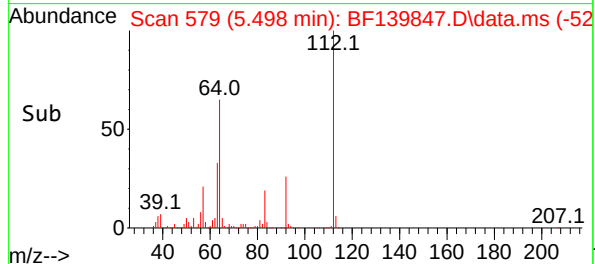
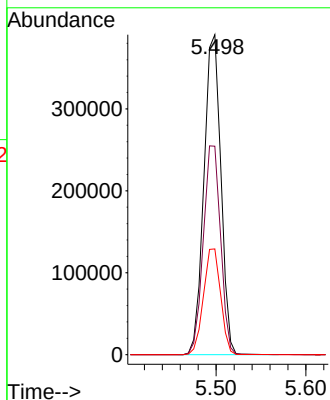
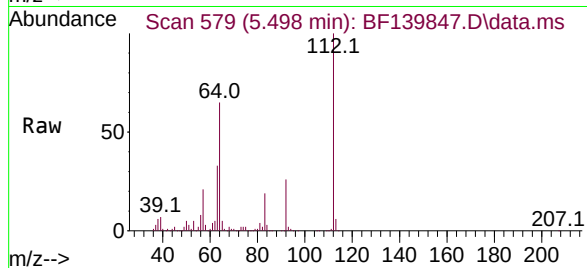




#5  
2-Fluorophenol  
Concen: 41.673 ng  
RT: 5.498 min Scan# 51  
Delta R.T. 0.000 min  
Lab File: BF139847.D  
Acq: 18 Oct 2024 11:52

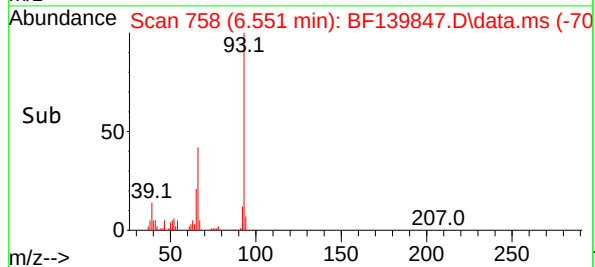
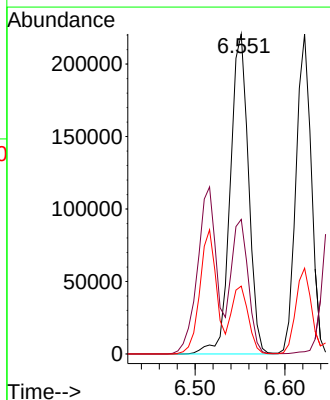
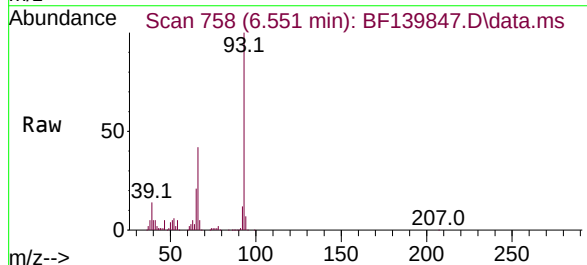
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC020

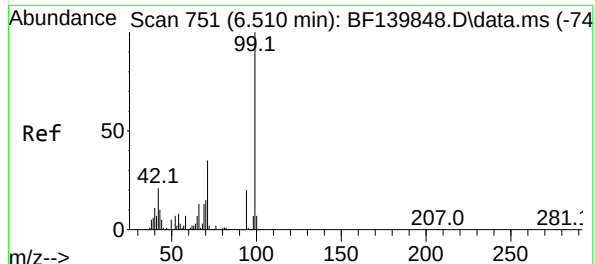
Tgt Ion:112 Resp: 512648  
Ion Ratio Lower Upper  
112 100  
64 65.1 53.0 79.6  
63 33.1 27.0 40.4



#6  
Aniline  
Concen: 20.982 ng  
RT: 6.551 min Scan# 758  
Delta R.T. 0.000 min  
Lab File: BF139847.D  
Acq: 18 Oct 2024 11:52

Tgt Ion: 93 Resp: 311561  
Ion Ratio Lower Upper  
93 100  
66 42.0 34.0 51.0  
65 21.2 17.4 26.0





#7

Phenol-d6

Concen: 41.304 ng

RT: 6.504 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF139847.D

Acq: 18 Oct 2024 11:52

Instrument :

BNA\_F

ClientSampleId :

SSTDICC020

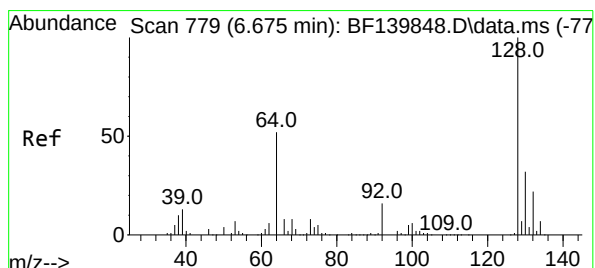
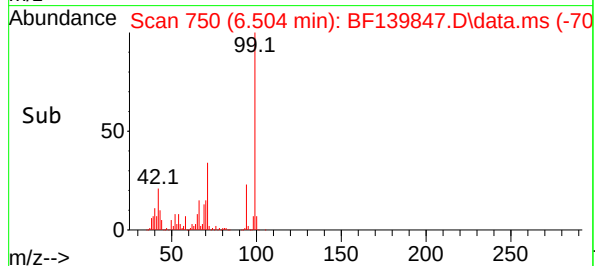
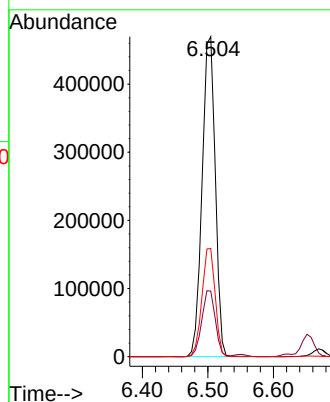
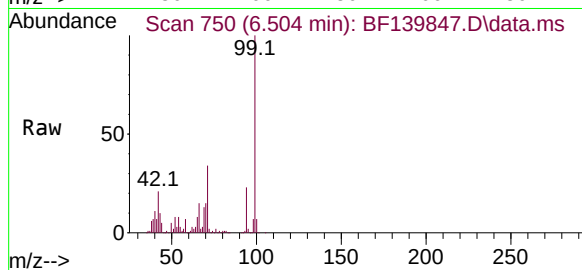
Tgt Ion: 99 Resp: 658086

Ion Ratio Lower Upper

99 100

42 20.5 16.7 25.1

71 33.8 27.7 41.5



#8

2-Chlorophenol

Concen: 20.794 ng

RT: 6.669 min Scan# 778

Delta R.T. -0.006 min

Lab File: BF139847.D

Acq: 18 Oct 2024 11:52

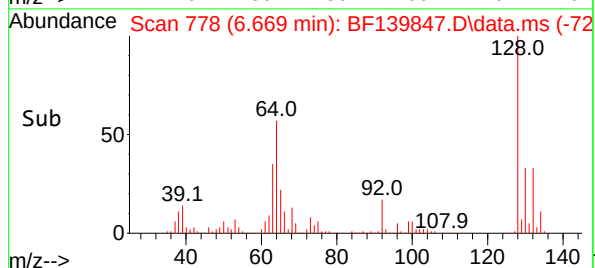
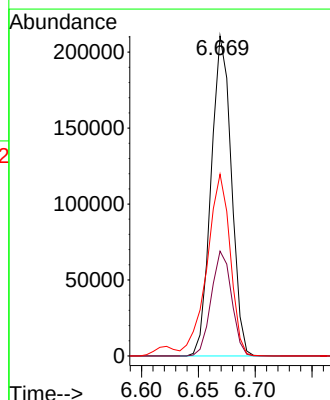
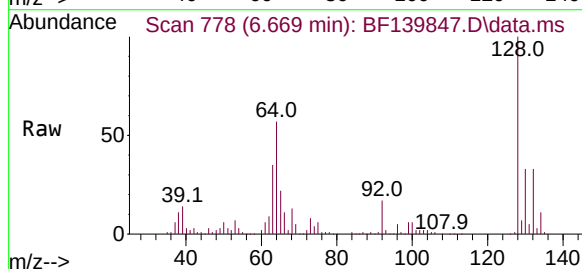
Tgt Ion:128 Resp: 261502

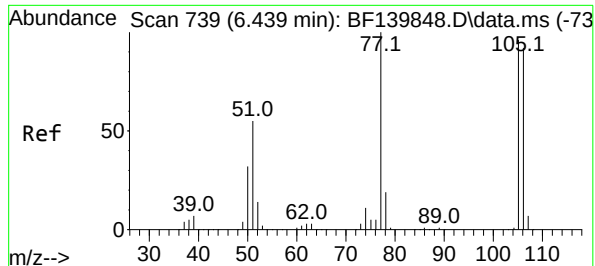
Ion Ratio Lower Upper

128 100

130 32.8 12.3 52.3

64 56.8 34.6 74.6





#9

Benzaldehyde

Concen: 22.379 ng

RT: 6.440 min Scan# 71

Delta R.T. 0.001 min

Lab File: BF139847.D

Acq: 18 Oct 2024 11:52

Instrument :

BNA\_F

ClientSampleId :

SSTDICC020

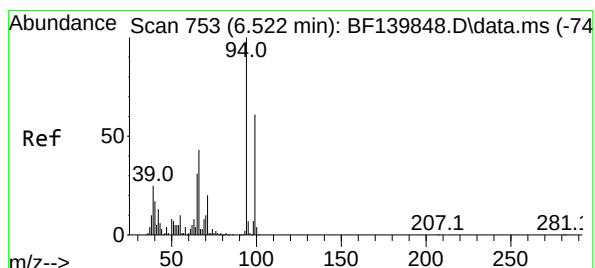
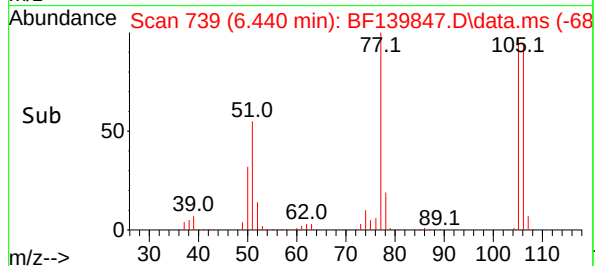
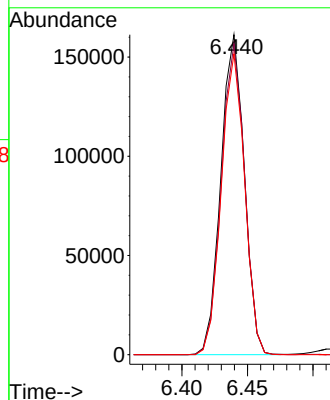
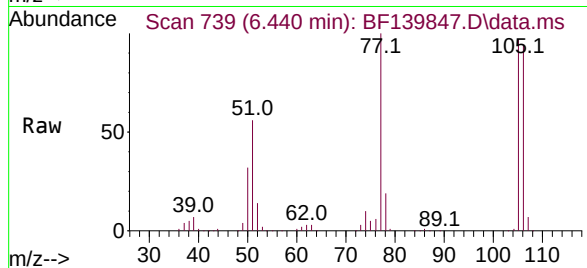
Tgt Ion: 77 Resp: 200586

Ion Ratio Lower Upper

77 100

105 97.1 75.5 115.5

106 94.0 71.7 111.7



#10

Phenol

Concen: 20.269 ng

RT: 6.516 min Scan# 752

Delta R.T. -0.006 min

Lab File: BF139847.D

Acq: 18 Oct 2024 11:52

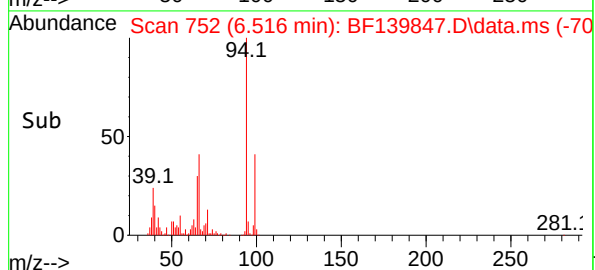
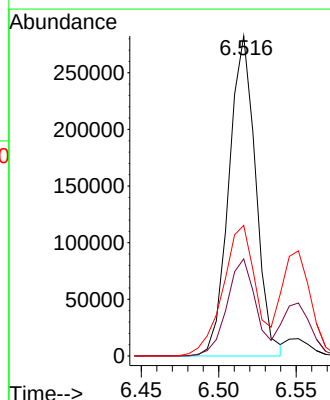
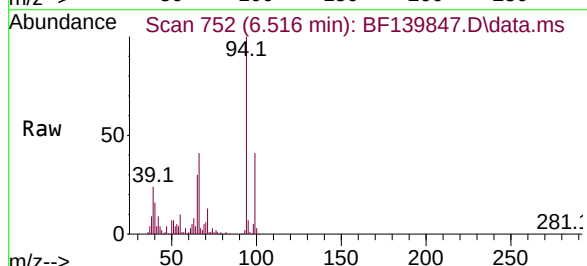
Tgt Ion: 94 Resp: 338933

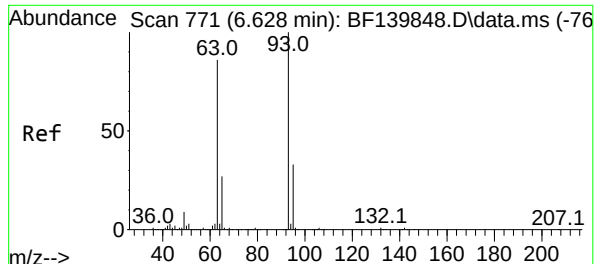
Ion Ratio Lower Upper

94 100

65 30.3 11.1 51.1

66 40.8 22.7 62.7

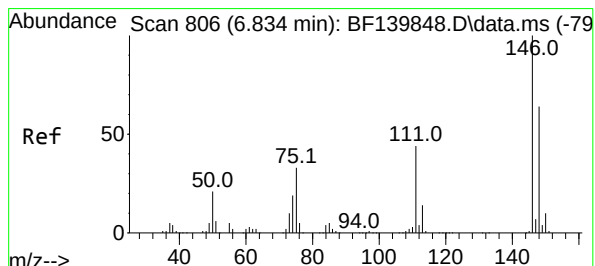
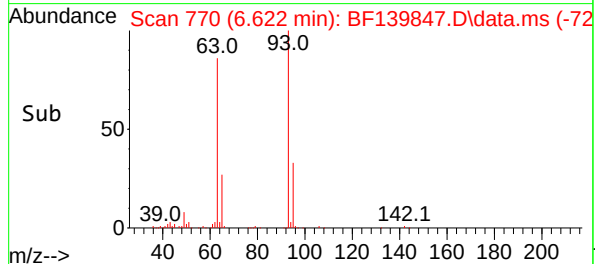
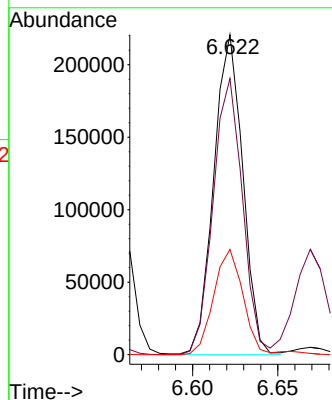
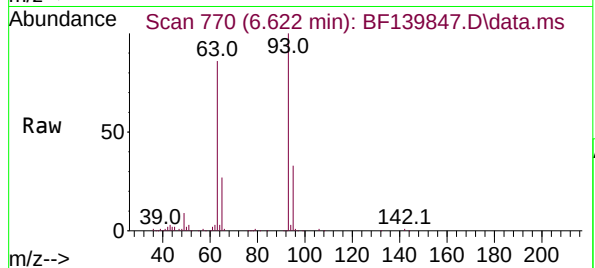




#11  
bis(2-Chloroethyl)ether  
Concen: 20.612 ng  
RT: 6.622 min Scan# 771  
Delta R.T. -0.006 min  
Lab File: BF139847.D  
Acq: 18 Oct 2024 11:52

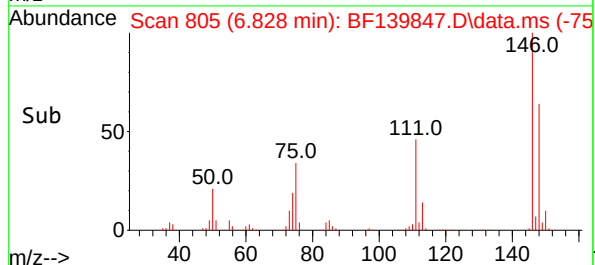
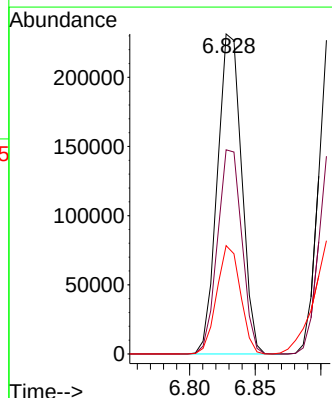
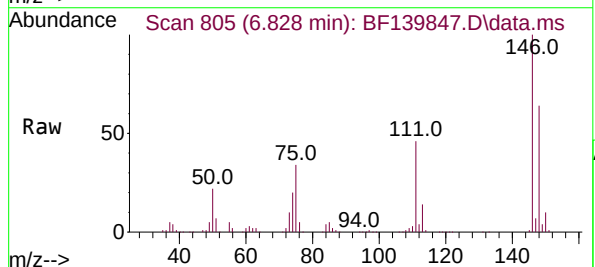
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC020

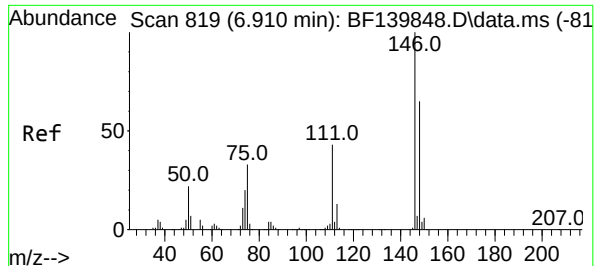
Tgt Ion: 93 Resp: 261690  
Ion Ratio Lower Upper  
93 100  
63 86.3 65.0 105.0  
95 32.9 12.4 52.4



#12  
1,3-Dichlorobenzene  
Concen: 20.603 ng  
RT: 6.828 min Scan# 805  
Delta R.T. -0.006 min  
Lab File: BF139847.D  
Acq: 18 Oct 2024 11:52

Tgt Ion:146 Resp: 297432  
Ion Ratio Lower Upper  
146 100  
148 63.8 51.0 76.4  
75 33.9 26.4 39.6





#13

1,4-Dichlorobenzene

Concen: 20.808 ng

RT: 6.910 min Scan# 819

Delta R.T. 0.000 min

Lab File: BF139847.D

Acq: 18 Oct 2024 11:52

Instrument :

BNA\_F

ClientSampleId :

SSTDICC020

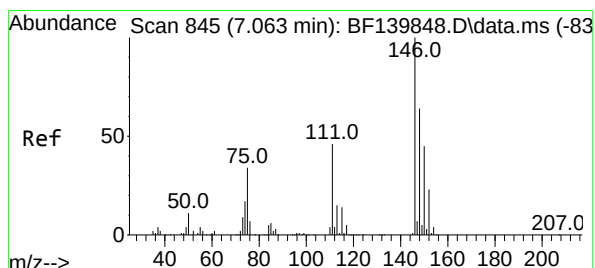
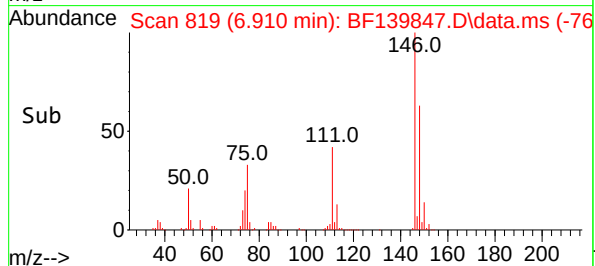
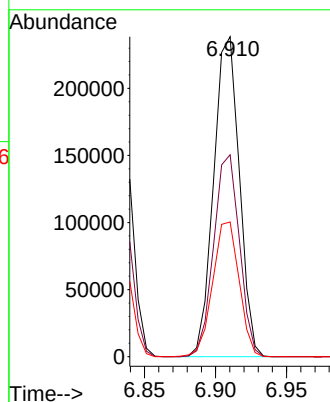
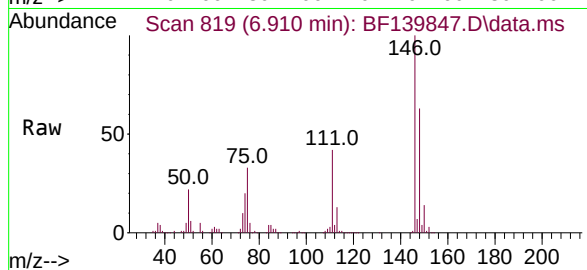
Tgt Ion:146 Resp: 300107

Ion Ratio Lower Upper

146 100

148 63.1 51.8 77.8

111 42.1 34.6 51.8



#14

1,2-Dichlorobenzene

Concen: 21.146 ng

RT: 7.063 min Scan# 845

Delta R.T. 0.000 min

Lab File: BF139847.D

Acq: 18 Oct 2024 11:52

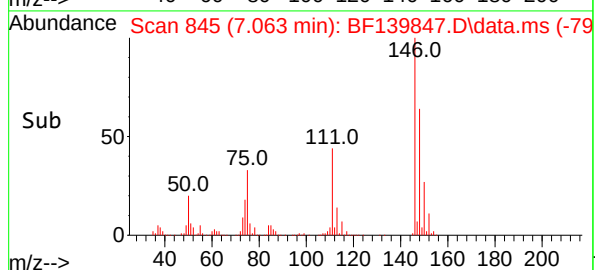
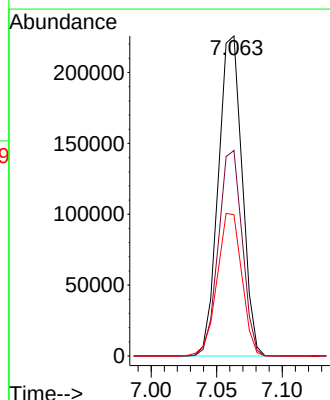
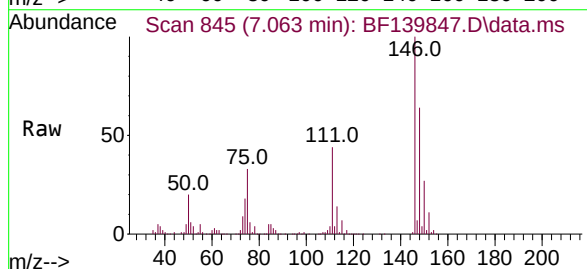
Tgt Ion:146 Resp: 284645

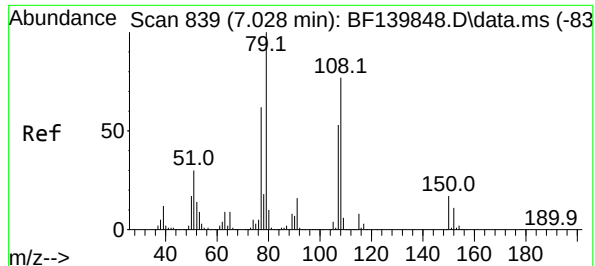
Ion Ratio Lower Upper

146 100

148 64.2 51.4 77.2

111 44.2 36.7 55.1





#15

Benzyl Alcohol

Concen: 20.715 ng

RT: 7.022 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF139847.D

Acq: 18 Oct 2024 11:52

Instrument :

BNA\_F

ClientSampleId :

SSTDICC020

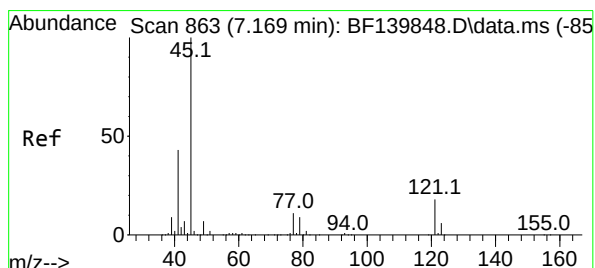
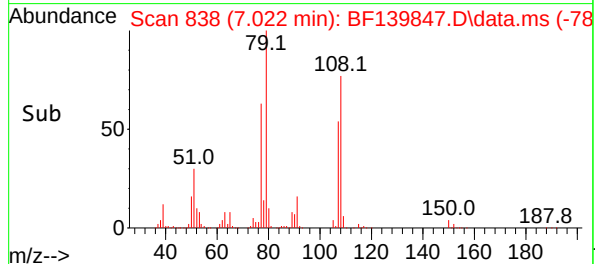
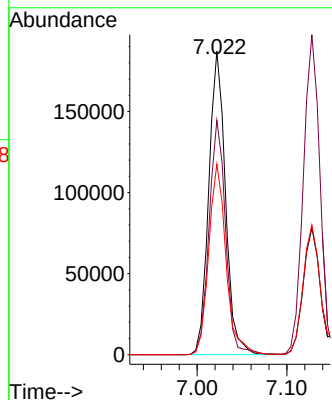
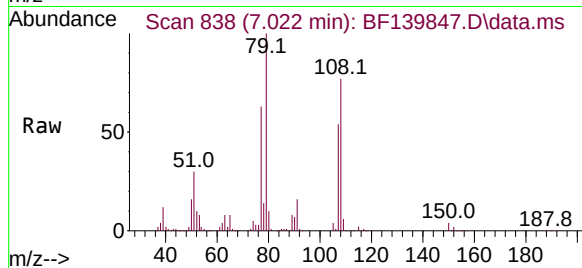
Tgt Ion: 79 Resp: 242106

Ion Ratio Lower Upper

79 100

108 77.2 61.4 92.0

77 62.8 49.9 74.9



#16

2,2'-oxybis(1-Chloropropane)

Concen: 20.933 ng

RT: 7.163 min Scan# 862

Delta R.T. -0.006 min

Lab File: BF139847.D

Acq: 18 Oct 2024 11:52

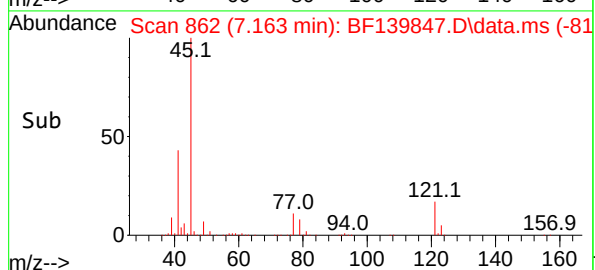
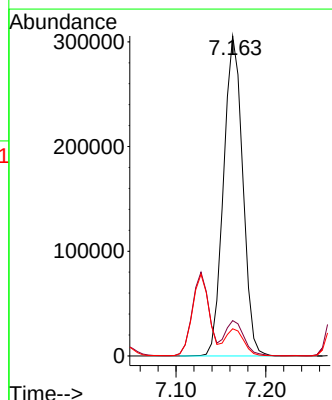
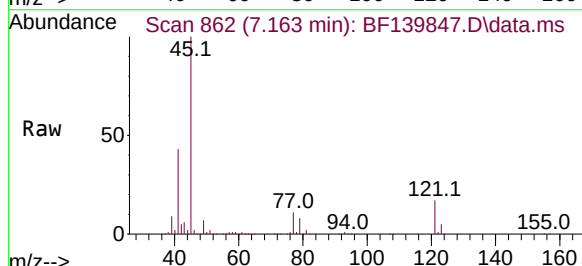
Tgt Ion: 45 Resp: 453174

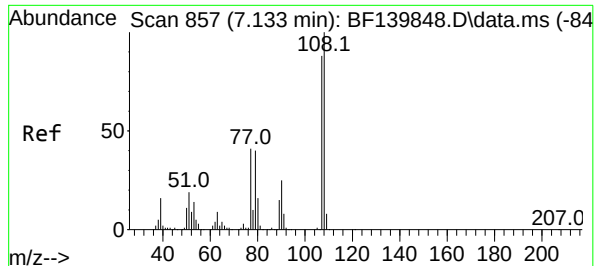
Ion Ratio Lower Upper

45 100

77 11.1 0.0 31.5

79 8.5 0.0 29.1

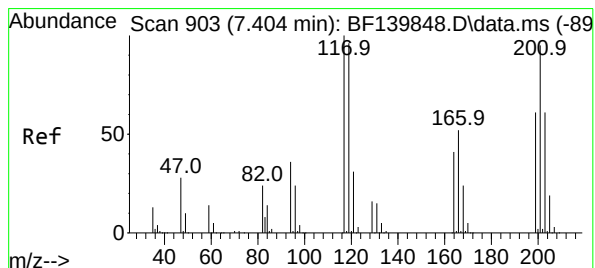
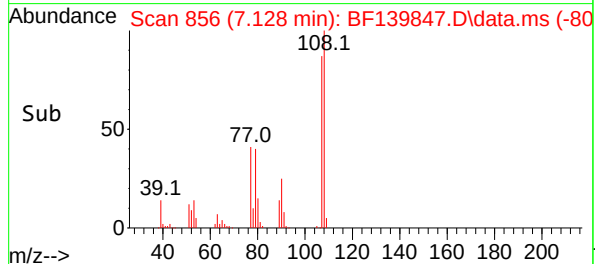
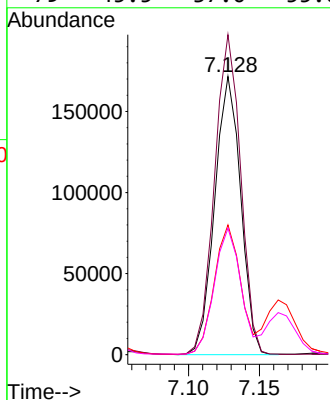
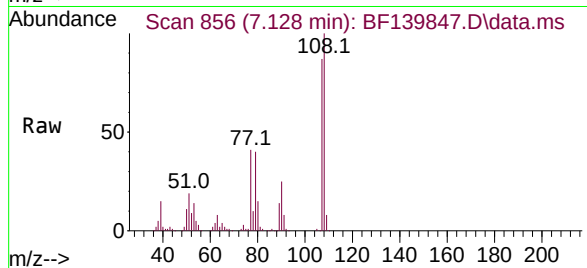




#17  
2-Methylphenol  
Concen: 20.371 ng  
RT: 7.128 min Scan# 856  
Delta R.T. -0.006 min  
Lab File: BF139847.D  
Acq: 18 Oct 2024 11:52

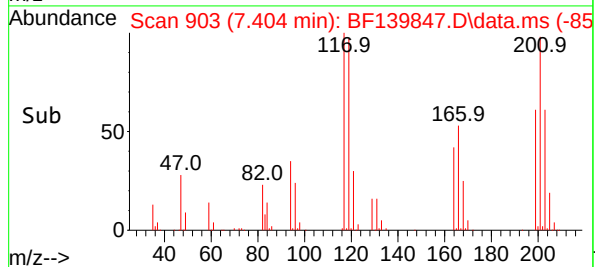
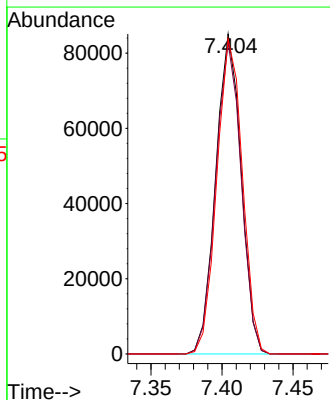
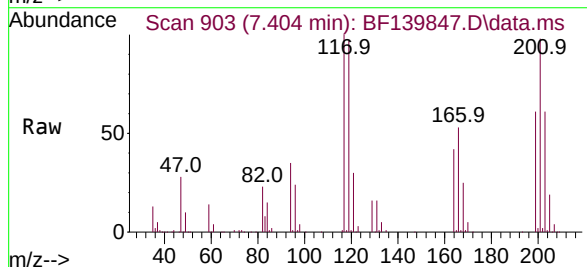
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC020

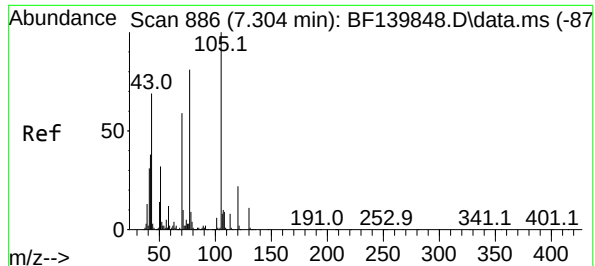
Tgt Ion:107 Resp: 218455  
Ion Ratio Lower Upper  
107 100  
108 115.0 91.3 136.9  
77 46.6 37.1 55.7  
79 45.5 37.0 55.6



#18  
Hexachloroethane  
Concen: 20.566 ng  
RT: 7.404 min Scan# 903  
Delta R.T. 0.000 min  
Lab File: BF139847.D  
Acq: 18 Oct 2024 11:52

Tgt Ion:117 Resp: 105775  
Ion Ratio Lower Upper  
117 100  
119 97.3 77.0 115.4  
201 98.4 76.2 114.4

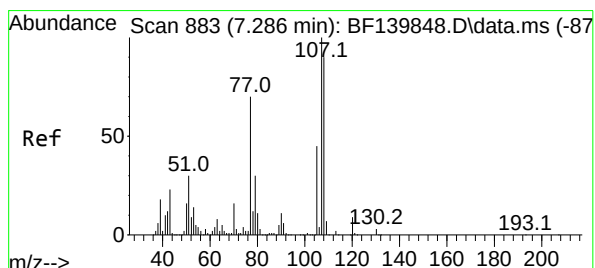
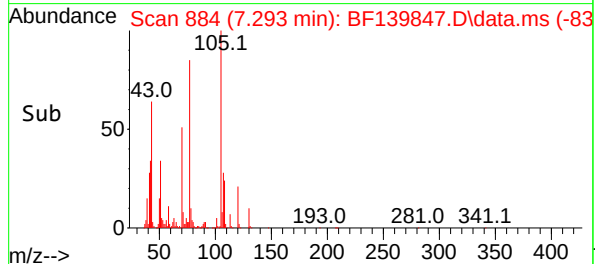
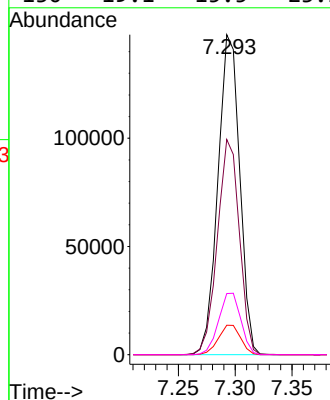
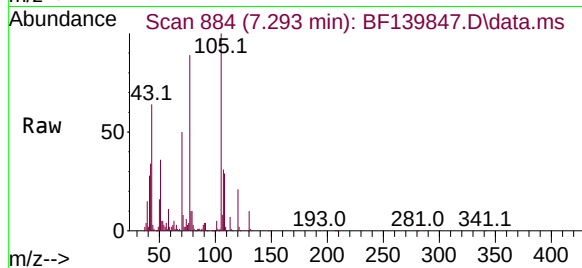




#19  
n-Nitroso-di-n-propylamine  
Concen: 20.427 ng  
RT: 7.293 min Scan# 81  
Delta R.T. -0.012 min  
Lab File: BF139847.D  
Acq: 18 Oct 2024 11:52

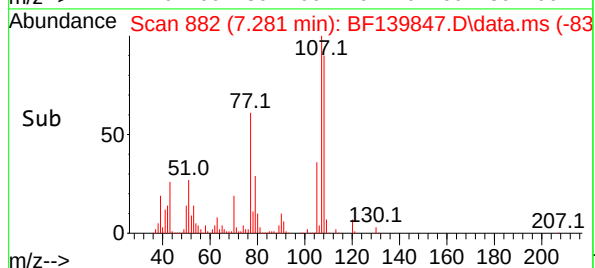
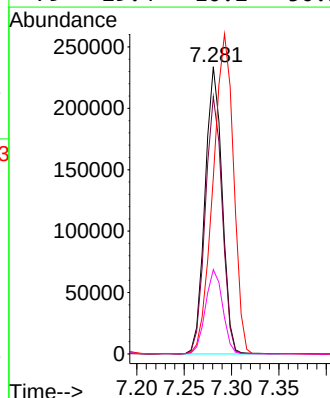
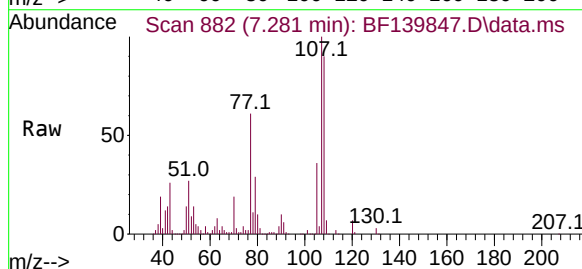
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC020

Tgt Ion: 70 Resp: 197390  
Ion Ratio Lower Upper  
70 100  
42 67.2 51.5 77.3  
101 9.2 7.5 11.3  
130 19.1 15.5 23.3

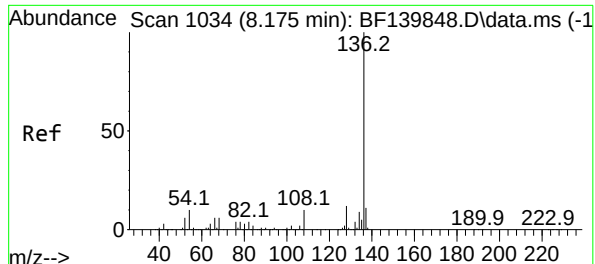


#20  
3+4-Methylphenols  
Concen: 21.346 ng  
RT: 7.281 min Scan# 882  
Delta R.T. -0.006 min  
Lab File: BF139847.D  
Acq: 18 Oct 2024 11:52

Tgt Ion: 107 Resp: 292795  
Ion Ratio Lower Upper  
107 100  
108 89.6 69.8 109.8  
77 61.4 50.5 90.5  
79 29.4 10.2 50.2







#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.175 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF139847.D

Acq: 18 Oct 2024 11:52

Instrument :

BNA\_F

ClientSampleId :

SSTDICC020

Tgt Ion:136 Resp: 735124

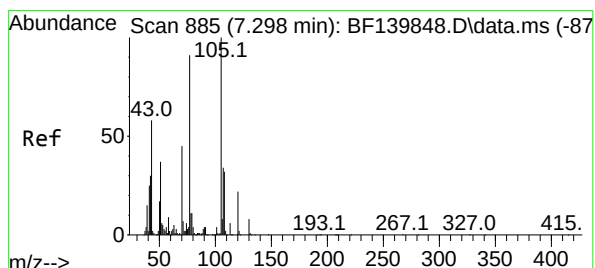
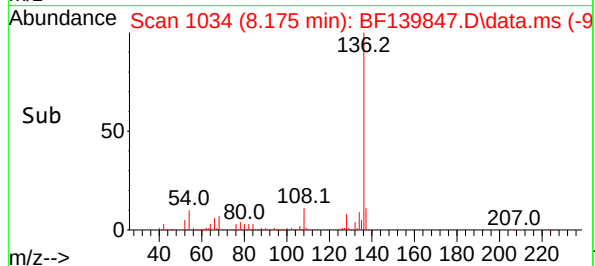
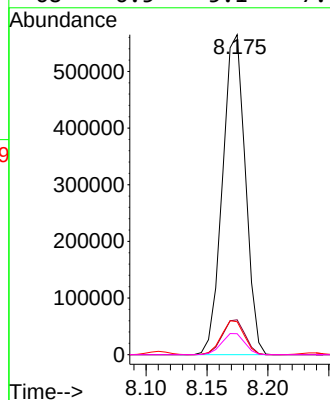
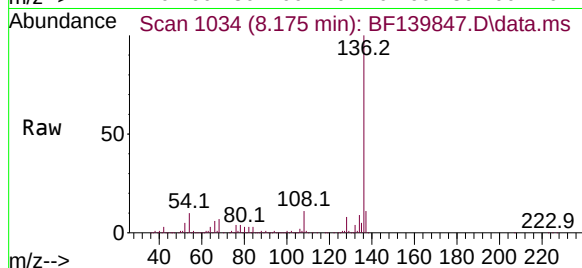
Ion Ratio Lower Upper

136 100

137 10.9 8.6 12.8

54 10.3 8.4 12.6

68 6.5 5.1 7.7



#22

Acetophenone

Concen: 21.056 ng

RT: 7.293 min Scan# 884

Delta R.T. -0.006 min

Lab File: BF139847.D

Acq: 18 Oct 2024 11:52

Tgt Ion:105 Resp: 379127

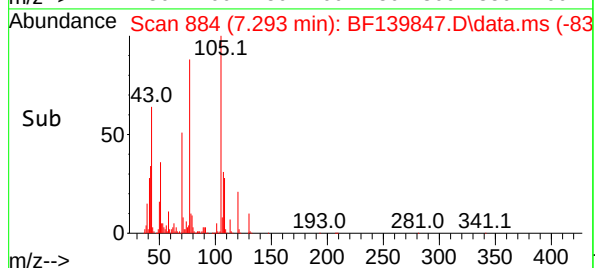
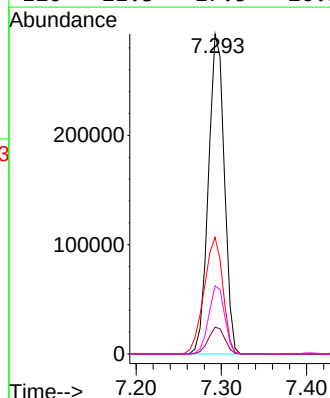
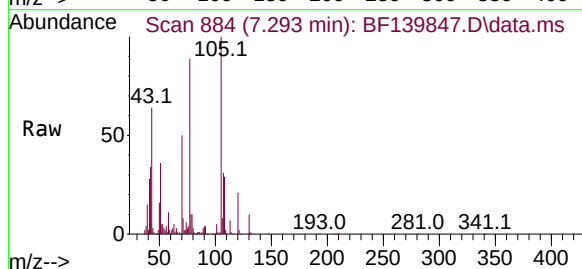
Ion Ratio Lower Upper

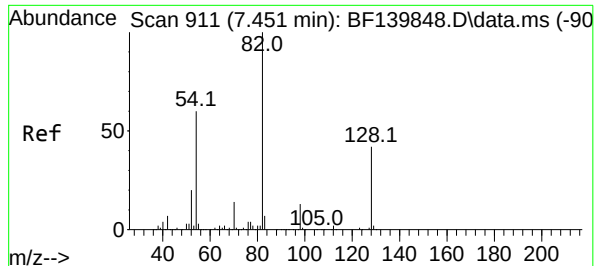
105 100

71 8.3 5.9 8.9

51 36.5 29.4 44.2

120 21.3 17.5 26.3





#23

Nitrobenzene-d5

Concen: 41.206 ng

RT: 7.451 min Scan# 911

Delta R.T. 0.000 min

Lab File: BF139847.D

Acq: 18 Oct 2024 11:52

Instrument :

BNA\_F

ClientSampleId :

SSTDICC020

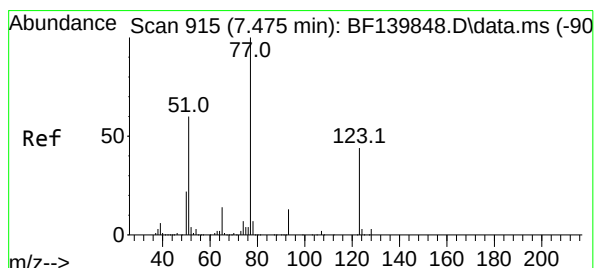
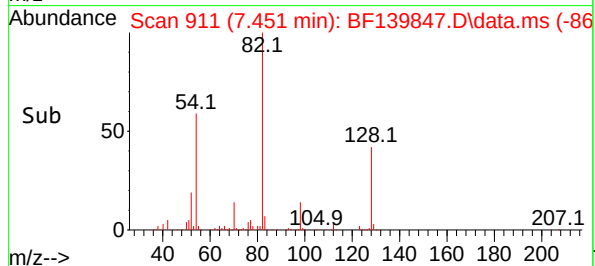
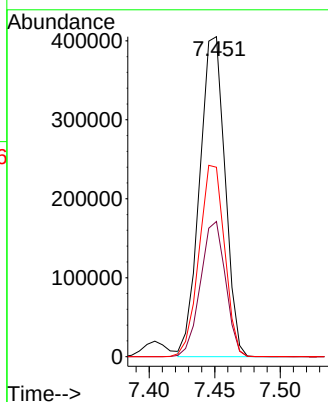
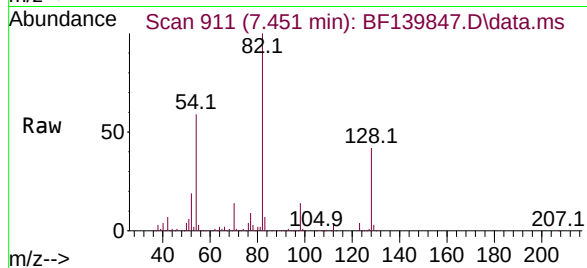
Tgt Ion: 82 Resp: 546550

Ion Ratio Lower Upper

82 100

128 42.3 33.4 50.0

54 59.2 47.8 71.8



#24

Nitrobenzene

Concen: 20.604 ng

RT: 7.469 min Scan# 914

Delta R.T. -0.006 min

Lab File: BF139847.D

Acq: 18 Oct 2024 11:52

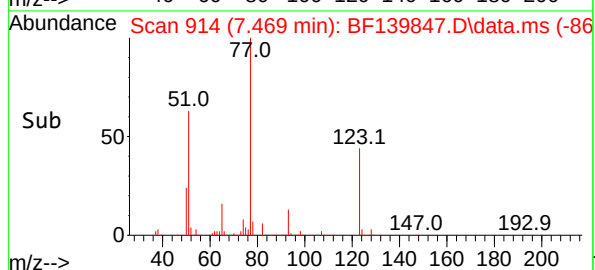
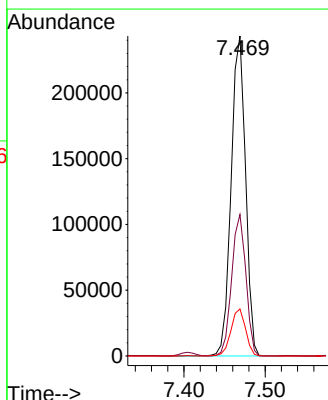
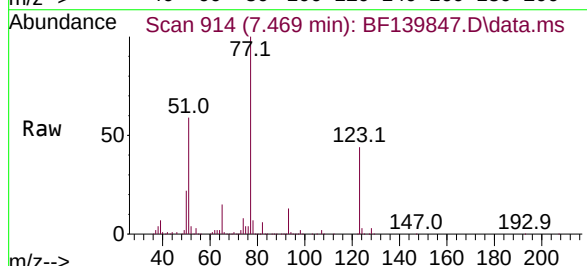
Tgt Ion: 77 Resp: 299625

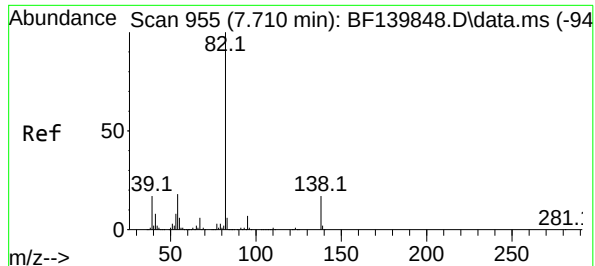
Ion Ratio Lower Upper

77 100

123 44.2 35.7 53.5

65 14.7 11.5 17.3

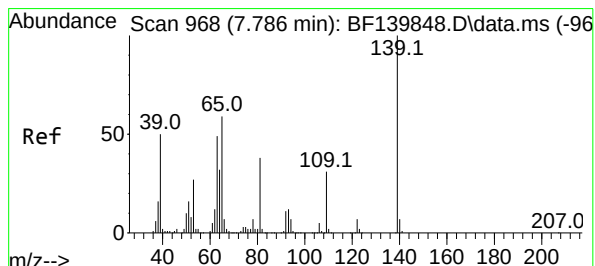
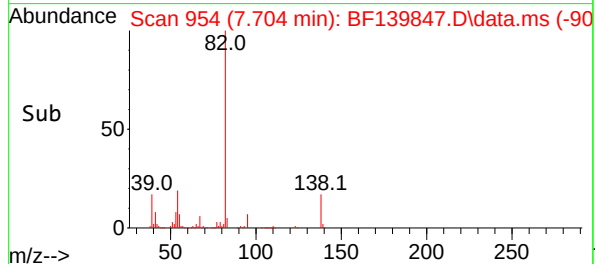
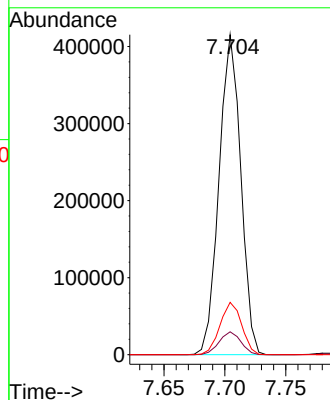
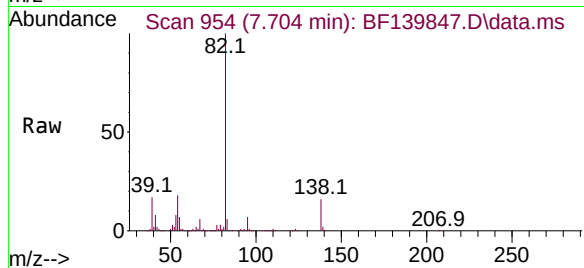




#25  
Isophorone  
Concen: 20.502 ng  
RT: 7.704 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: BF139847.D  
Acq: 18 Oct 2024 11:52

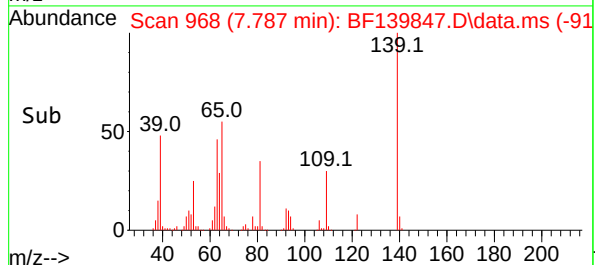
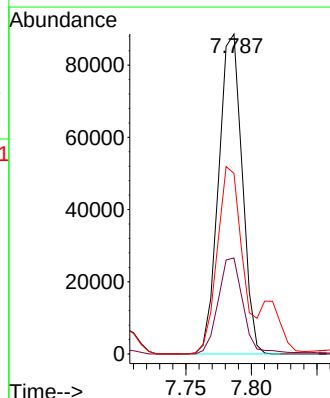
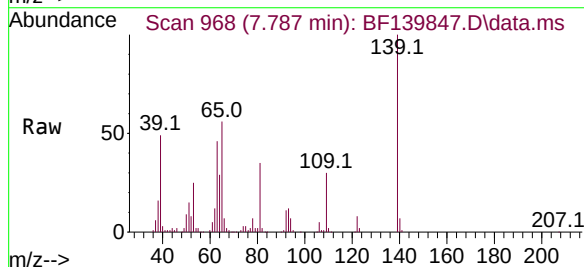
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC020

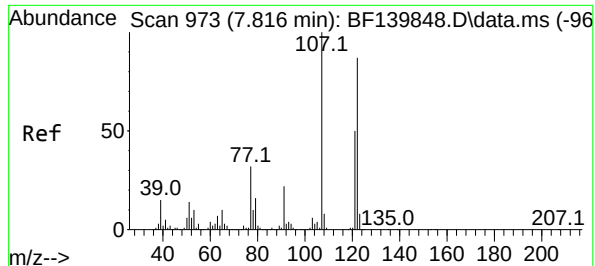
Tgt Ion: 82 Resp: 516119  
Ion Ratio Lower Upper  
82 100  
95 7.1 5.5 8.3  
138 16.3 13.2 19.8



#26  
2-Nitrophenol  
Concen: 20.141 ng  
RT: 7.787 min Scan# 968  
Delta R.T. 0.000 min  
Lab File: BF139847.D  
Acq: 18 Oct 2024 11:52

Tgt Ion: 139 Resp: 110497  
Ion Ratio Lower Upper  
139 100  
109 30.0 25.1 37.7  
65 56.5 47.5 71.3





#27

2,4-Dimethylphenol

Concen: 20.544 ng

RT: 7.816 min Scan# 91

Delta R.T. 0.000 min

Lab File: BF139847.D

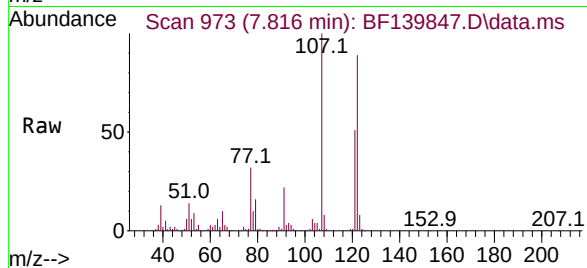
Acq: 18 Oct 2024 11:52

Instrument :

BNA\_F

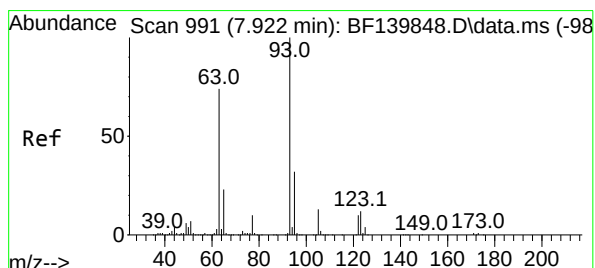
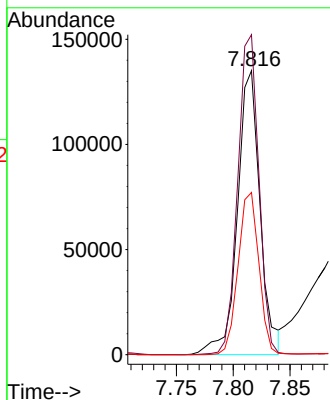
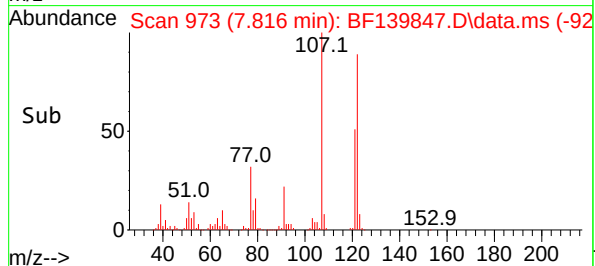
ClientSampleId :

SSTDICC020



Tgt Ion:122 Resp: 187930

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 122 | 100   |       |       |
| 107 | 112.6 | 91.9  | 137.9 |
| 121 | 57.1  | 46.2  | 69.4  |



#28

bis(2-Chloroethoxy)methane

Concen: 20.816 ng

RT: 7.916 min Scan# 990

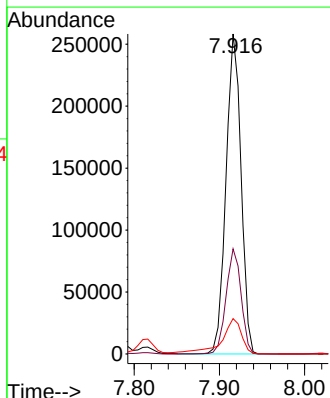
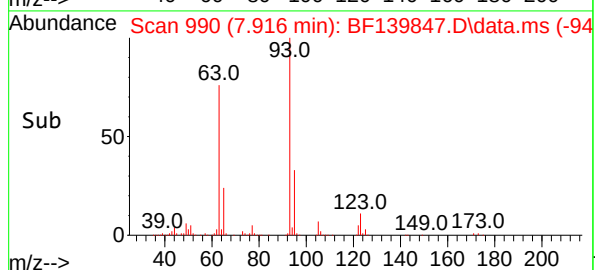
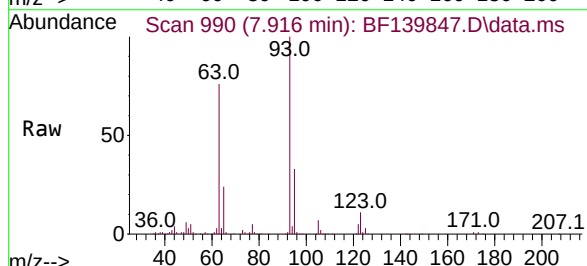
Delta R.T. -0.006 min

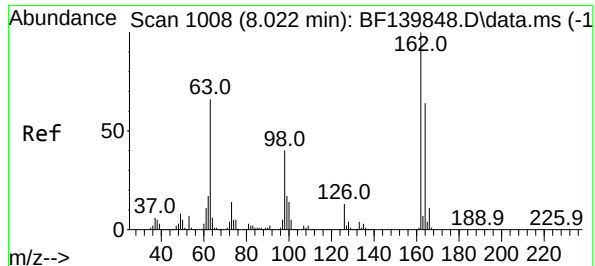
Lab File: BF139847.D

Acq: 18 Oct 2024 11:52

Tgt Ion: 93 Resp: 317497

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 93  | 100   |       |       |
| 95  | 32.9  | 26.0  | 39.0  |
| 123 | 11.1  | 9.8   | 14.8  |





#29

2,4-Dichlorophenol

Concen: 20.673 ng

RT: 8.016 min Scan# 1007

Delta R.T. -0.006 min

Lab File: BF139847.D

Acq: 18 Oct 2024 11:52

Instrument :

BNA\_F

ClientSampleId :

SSTDICC020

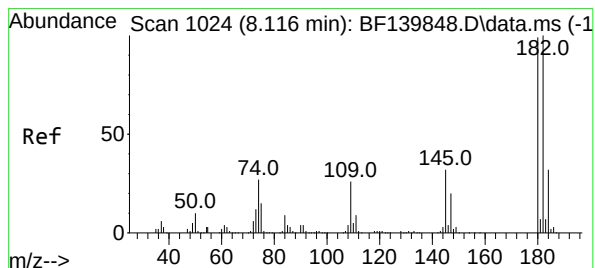
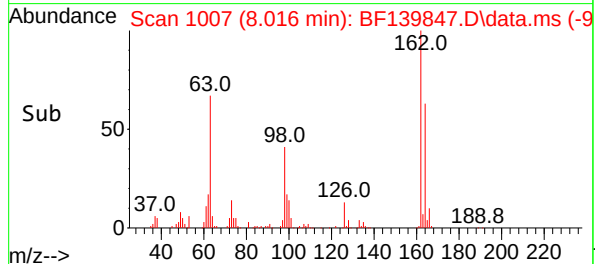
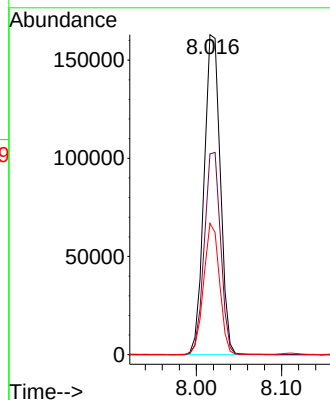
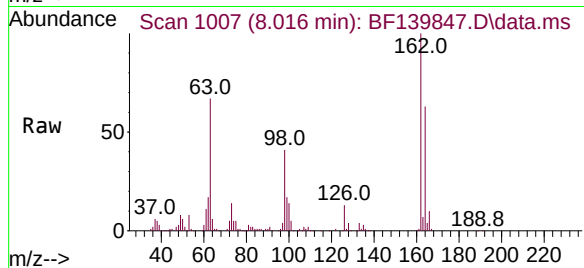
Tgt Ion:162 Resp: 215409

Ion Ratio Lower Upper

162 100

164 62.7 43.9 83.9

98 41.1 19.9 59.9



#30

1,2,4-Trichlorobenzene

Concen: 20.691 ng

RT: 8.110 min Scan# 1023

Delta R.T. -0.006 min

Lab File: BF139847.D

Acq: 18 Oct 2024 11:52

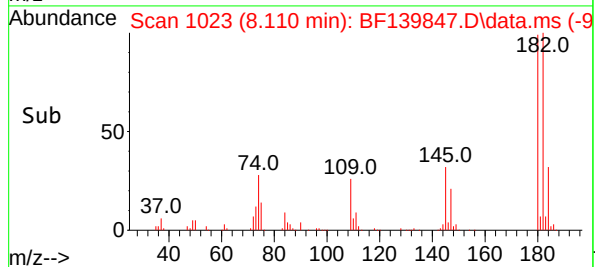
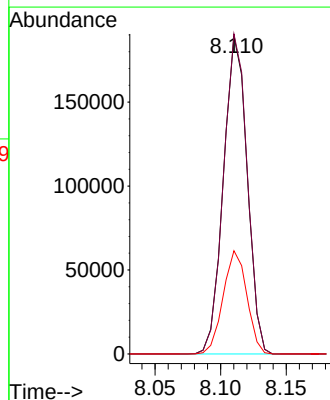
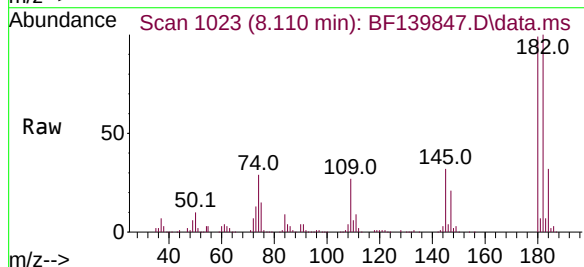
Tgt Ion:180 Resp: 238559

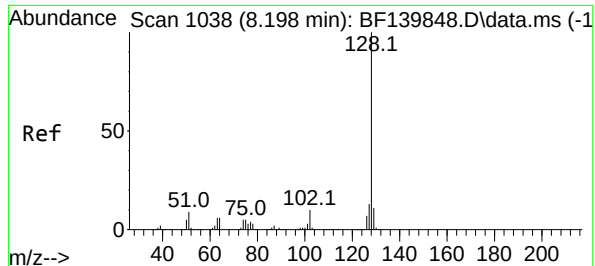
Ion Ratio Lower Upper

180 100

182 100.6 80.5 120.7

145 32.5 25.4 38.0





#31

Naphthalene

Concen: 21.153 ng

RT: 8.192 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF139847.D

Acq: 18 Oct 2024 11:52

Instrument :

BNA\_F

ClientSampleId :

SSTDICC020

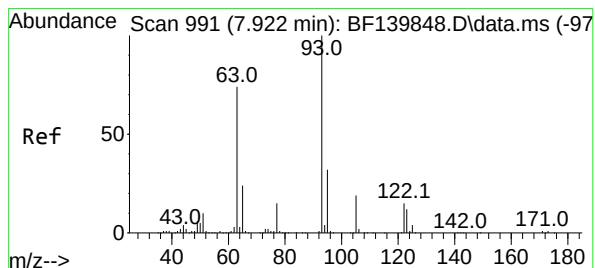
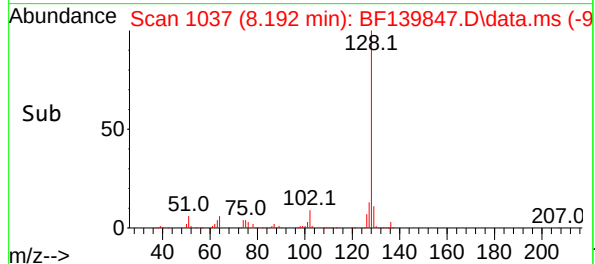
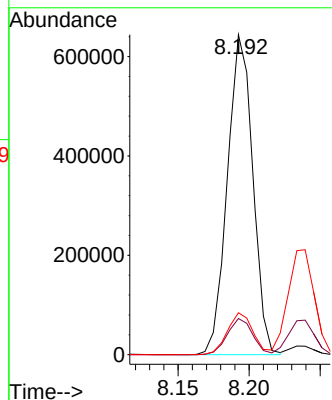
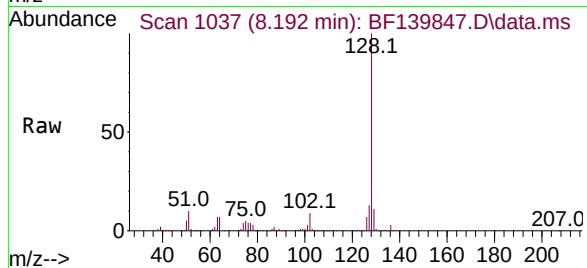
Tgt Ion:128 Resp: 801971

Ion Ratio Lower Upper

128 100

129 11.3 8.9 13.3

127 13.1 10.6 16.0



#32

Benzoic acid

Concen: 19.054 ng

RT: 7.892 min Scan# 986

Delta R.T. -0.030 min

Lab File: BF139847.D

Acq: 18 Oct 2024 11:52

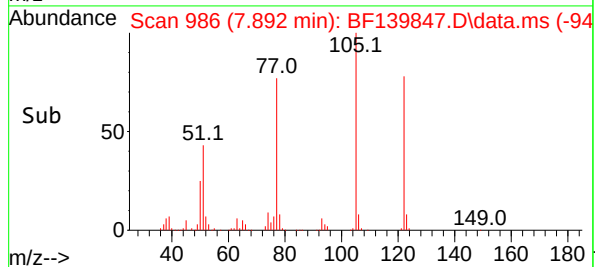
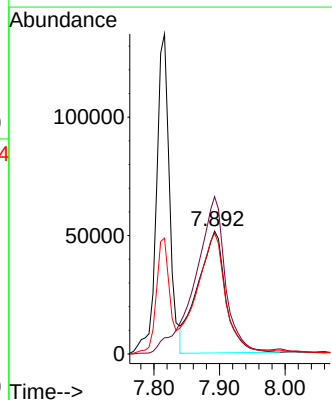
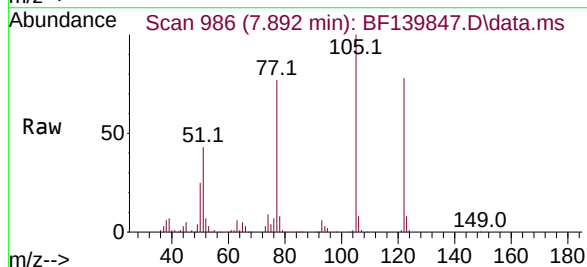
Tgt Ion:122 Resp: 152028

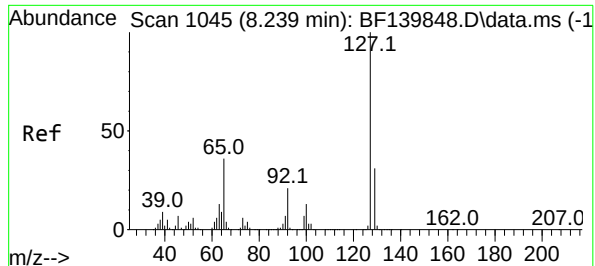
Ion Ratio Lower Upper

122 100

105 127.9 107.6 147.6

77 98.2 80.2 120.2





#33

4-Chloroaniline

Concen: 20.919 ng

RT: 8.239 min Scan# 1045

Delta R.T. 0.000 min

Lab File: BF139847.D

Acq: 18 Oct 2024 11:52

Instrument :

BNA\_F

ClientSampleId :

SSTDICC020

Tgt Ion:127 Resp: 270435

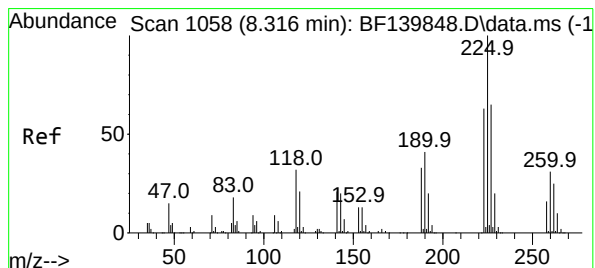
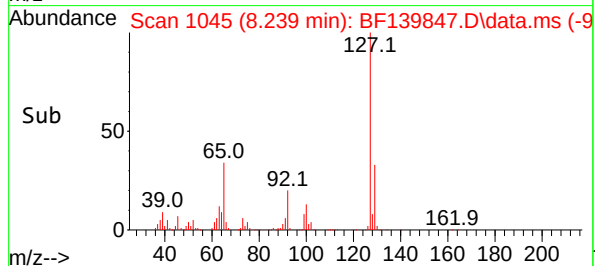
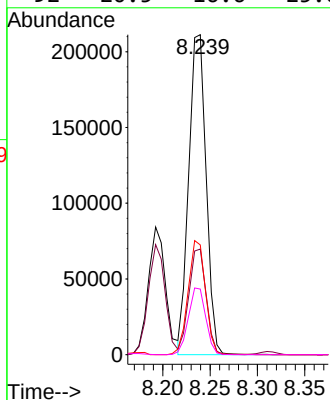
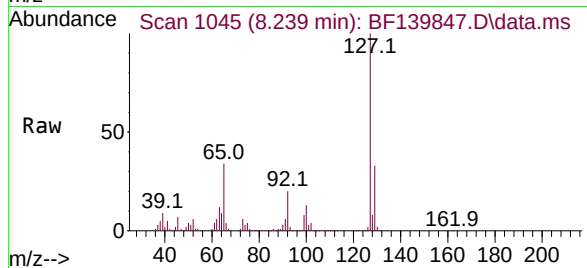
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
|-----|-------|-------|-------|

|     |     |  |  |
|-----|-----|--|--|
| 127 | 100 |  |  |
|-----|-----|--|--|

|     |      |      |      |
|-----|------|------|------|
| 129 | 33.0 | 25.4 | 38.2 |
|-----|------|------|------|

|    |      |      |      |
|----|------|------|------|
| 65 | 34.3 | 28.4 | 42.6 |
|----|------|------|------|

|    |      |      |      |
|----|------|------|------|
| 92 | 20.5 | 16.6 | 25.0 |
|----|------|------|------|



#34

Hexachlorobutadiene

Concen: 20.641 ng

RT: 8.310 min Scan# 1057

Delta R.T. -0.006 min

Lab File: BF139847.D

Acq: 18 Oct 2024 11:52

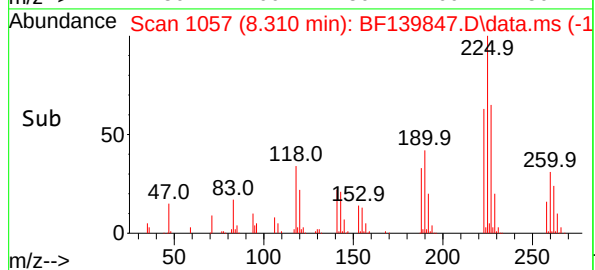
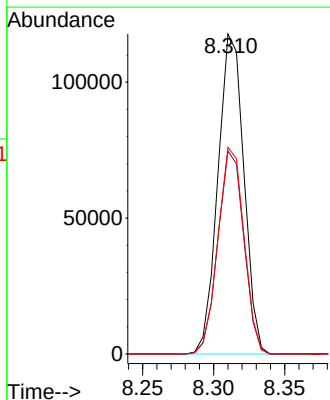
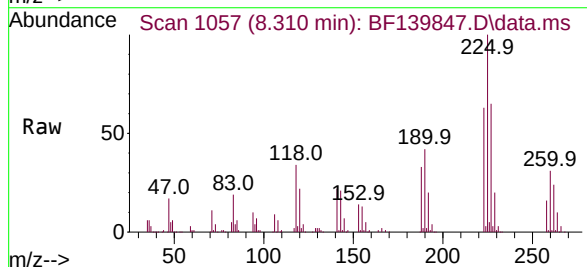
Tgt Ion:225 Resp: 149527

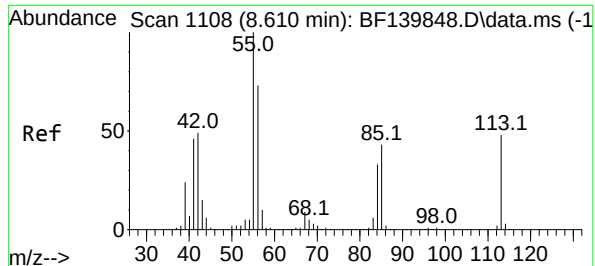
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
|-----|-------|-------|-------|

|     |     |  |  |
|-----|-----|--|--|
| 225 | 100 |  |  |
|-----|-----|--|--|

|     |      |      |      |
|-----|------|------|------|
| 223 | 63.4 | 50.6 | 76.0 |
|-----|------|------|------|

|     |      |      |      |
|-----|------|------|------|
| 227 | 64.6 | 51.8 | 77.8 |
|-----|------|------|------|

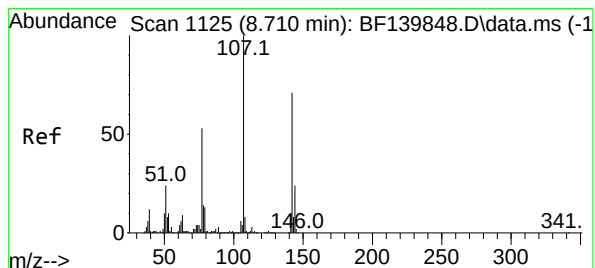
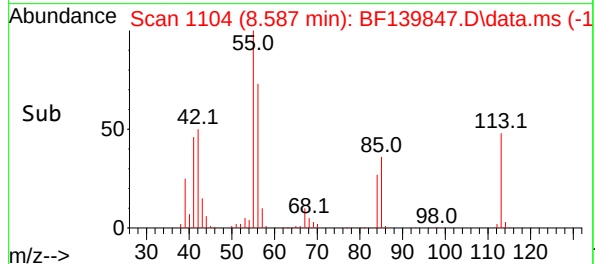
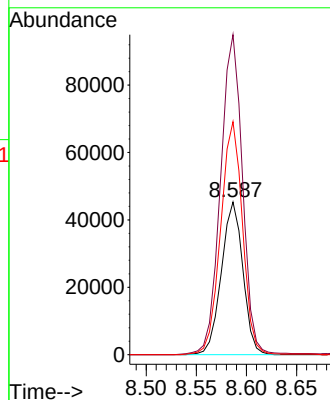
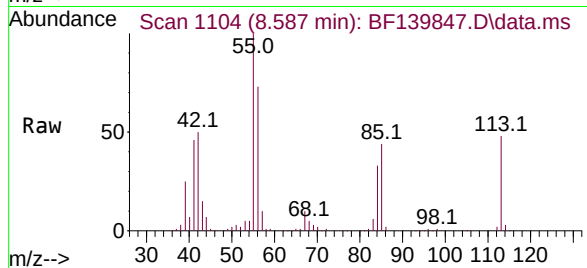




#35  
Caprolactam  
Concen: 20.411 ng  
RT: 8.587 min Scan# 1104  
Delta R.T. -0.023 min  
Lab File: BF139847.D  
Acq: 18 Oct 2024 11:52

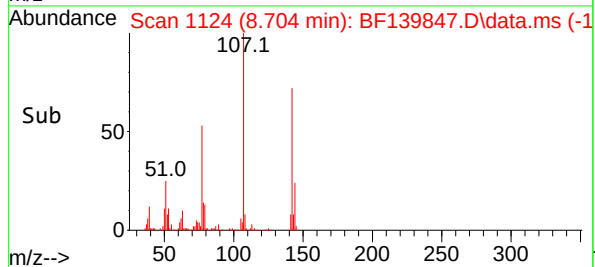
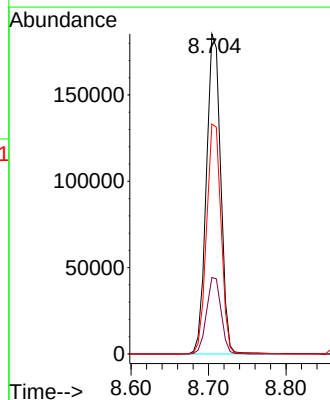
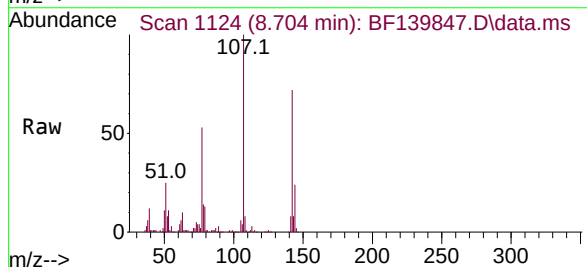
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC020

Tgt Ion:113 Resp: 67624  
Ion Ratio Lower Upper  
113 100  
55 209.6 189.2 229.2  
56 152.6 132.5 172.5

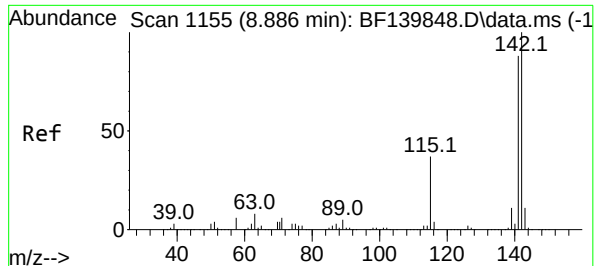


#36  
4-Chloro-3-methylphenol  
Concen: 20.668 ng  
RT: 8.704 min Scan# 1124  
Delta R.T. -0.006 min  
Lab File: BF139847.D  
Acq: 18 Oct 2024 11:52

Tgt Ion:107 Resp: 238461  
Ion Ratio Lower Upper  
107 100  
144 23.9 19.1 28.7  
142 71.9 57.2 85.8







#37

2-Methylnaphthalene

Concen: 21.075 ng

RT: 8.881 min Scan# 1155

Delta R.T. -0.006 min

Lab File: BF139847.D

Acq: 18 Oct 2024 11:52

Instrument :

BNA\_F

ClientSampleId :

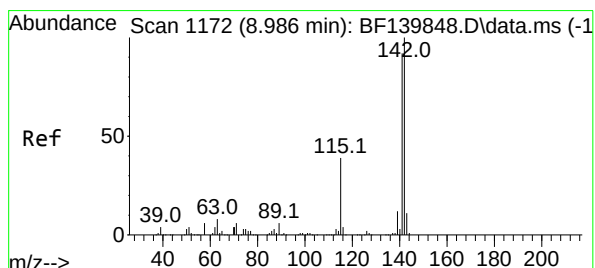
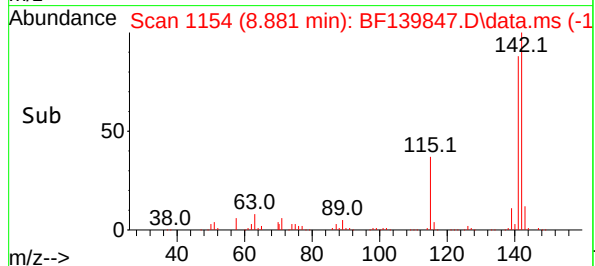
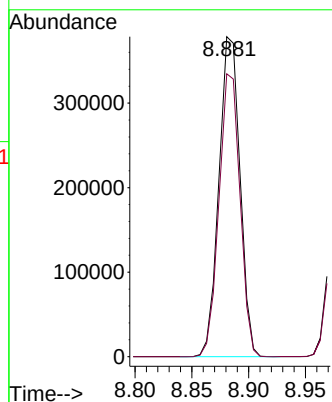
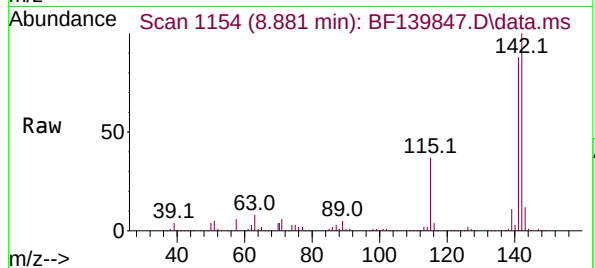
SSTDICC020

Tgt Ion:142 Resp: 489343

Ion Ratio Lower Upper

142 100

141 88.4 70.8 106.2



#38

1-Methylnaphthalene

Concen: 21.149 ng

RT: 8.981 min Scan# 1171

Delta R.T. -0.006 min

Lab File: BF139847.D

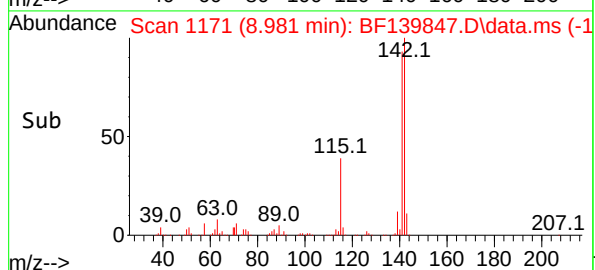
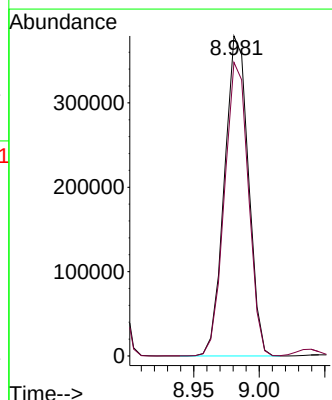
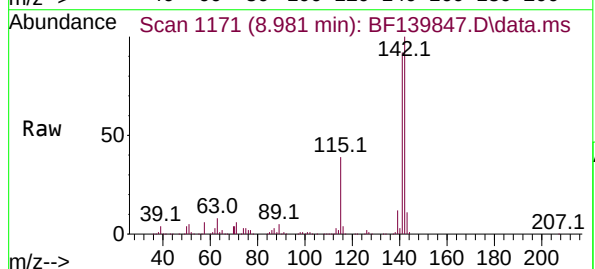
Acq: 18 Oct 2024 11:52

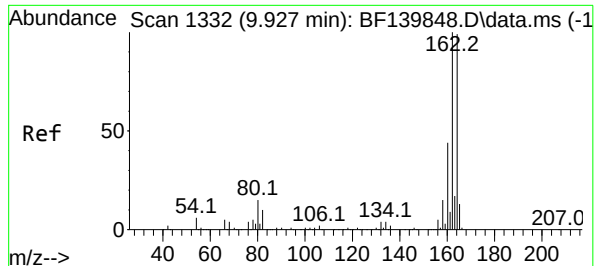
Tgt Ion:142 Resp: 481797

Ion Ratio Lower Upper

142 100

141 91.7 73.5 110.3

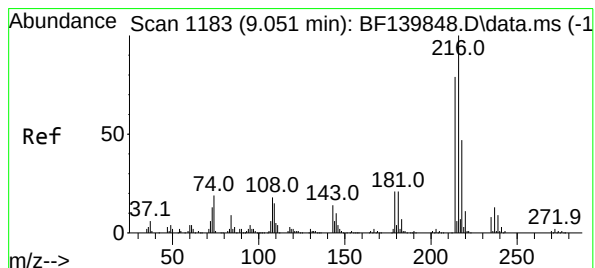
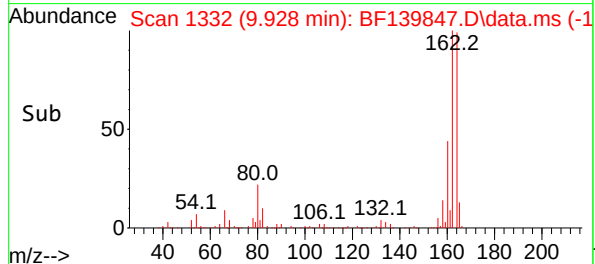
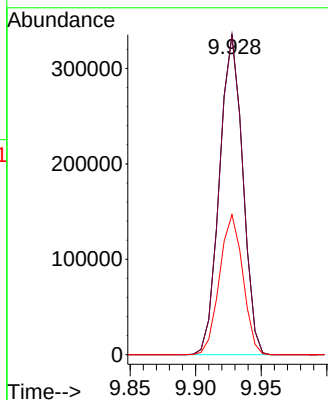
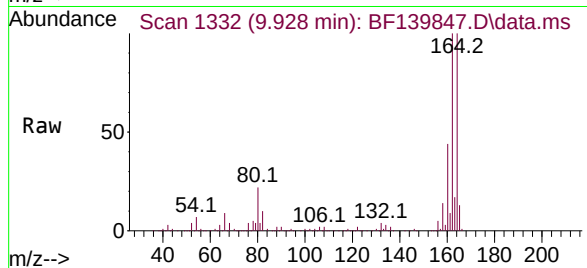




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.928 min Scan# 1182  
Delta R.T. 0.001 min  
Lab File: BF139847.D  
Acq: 18 Oct 2024 11:52

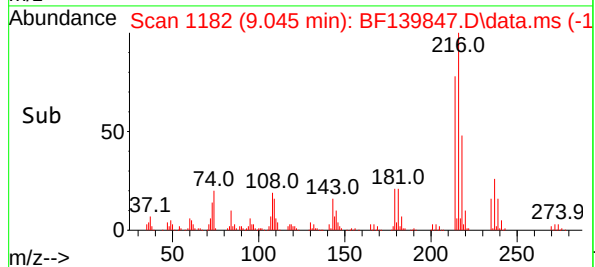
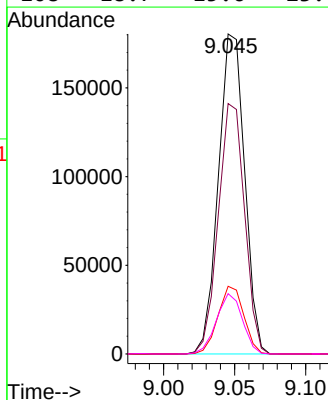
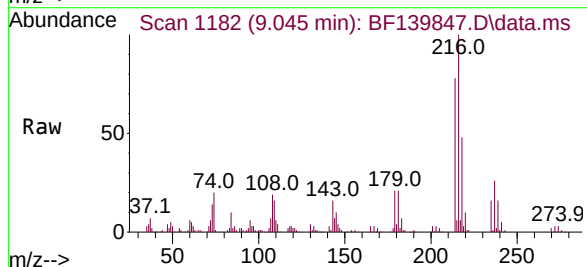
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC020

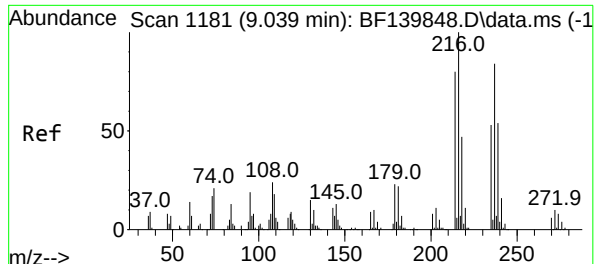
Tgt Ion:164 Resp: 413023  
Ion Ratio Lower Upper  
164 100  
162 99.7 81.0 121.4  
160 43.8 35.4 53.0



#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 20.823 ng  
RT: 9.045 min Scan# 1182  
Delta R.T. -0.006 min  
Lab File: BF139847.D  
Acq: 18 Oct 2024 11:52

Tgt Ion:216 Resp: 232025  
Ion Ratio Lower Upper  
216 100  
214 78.2 63.4 95.0  
179 20.8 17.2 25.8  
108 18.7 15.6 23.4

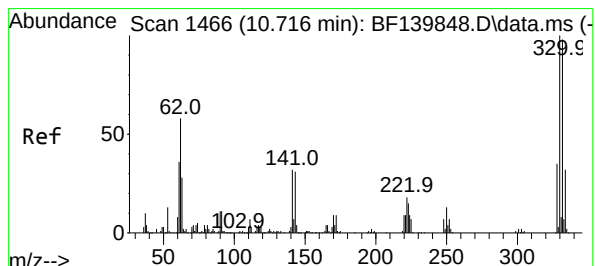
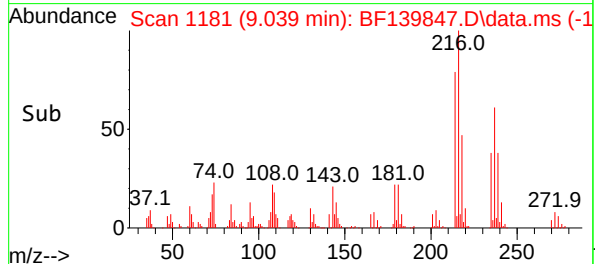
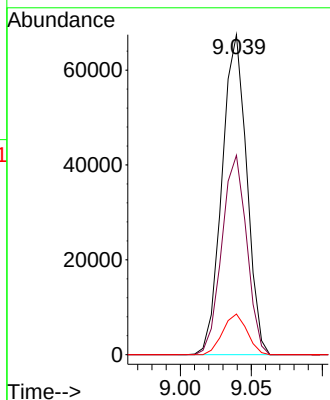
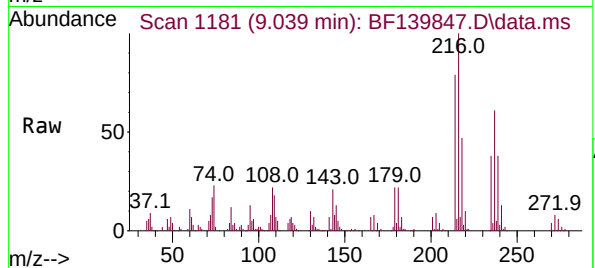




#41  
Hexachlorocyclopentadiene  
Concen: 21.041 ng  
RT: 9.039 min Scan# 1181  
Delta R.T. 0.000 min  
Lab File: BF139847.D  
Acq: 18 Oct 2024 11:52

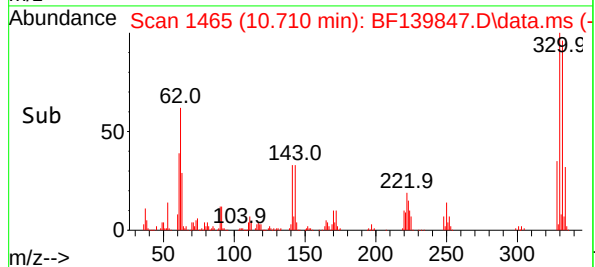
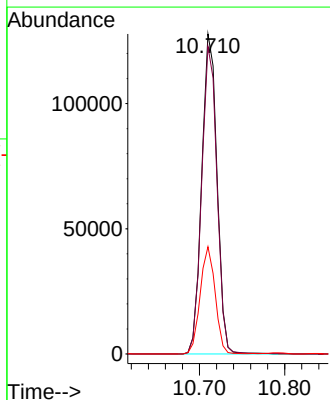
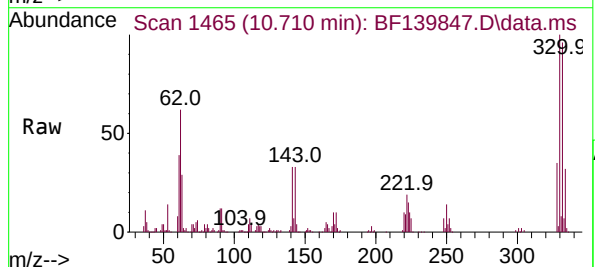
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC020

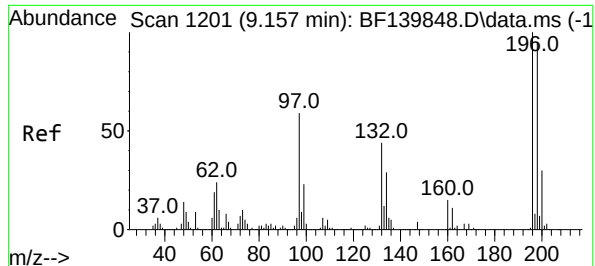
Tgt Ion:237 Resp: 81579  
Ion Ratio Lower Upper  
237 100  
235 62.3 42.9 82.9  
272 12.7 0.0 32.3



#42  
2,4,6-Tribromophenol  
Concen: 41.199 ng  
RT: 10.710 min Scan# 1465  
Delta R.T. -0.006 min  
Lab File: BF139847.D  
Acq: 18 Oct 2024 11:52

Tgt Ion:330 Resp: 159165  
Ion Ratio Lower Upper  
330 100  
332 96.4 78.1 117.1  
141 32.9 26.6 39.8





#43

2,4,6-Trichlorophenol

Concen: 20.930 ng

RT: 9.157 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF139847.D

Acq: 18 Oct 2024 11:52

Instrument :

BNA\_F

ClientSampleId :

SSTDICC020

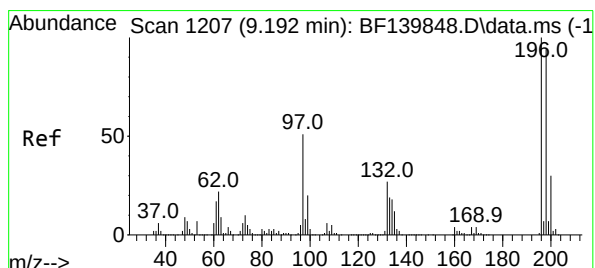
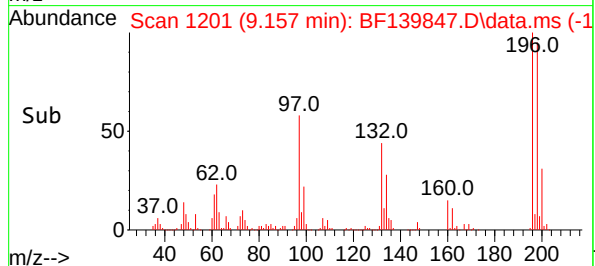
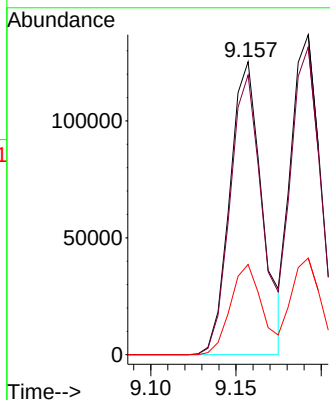
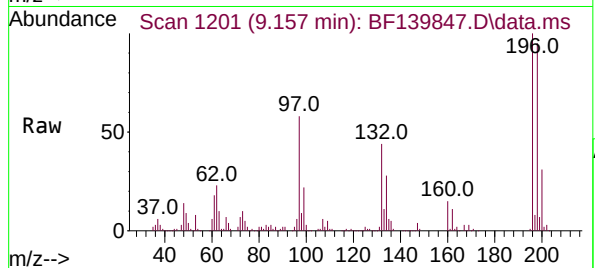
Tgt Ion:196 Resp: 165112

Ion Ratio Lower Upper

196 100

198 95.4 76.2 114.2

200 30.8 24.0 36.0



#44

2,4,5-Trichlorophenol

Concen: 20.213 ng

RT: 9.192 min Scan# 1207

Delta R.T. 0.000 min

Lab File: BF139847.D

Acq: 18 Oct 2024 11:52

Tgt Ion:196 Resp: 164517

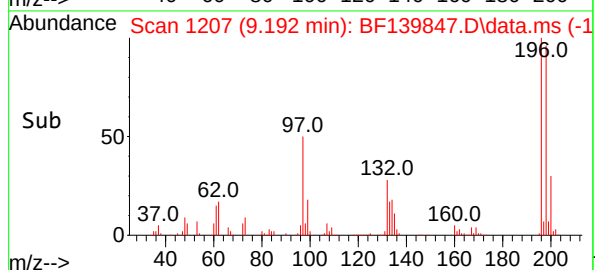
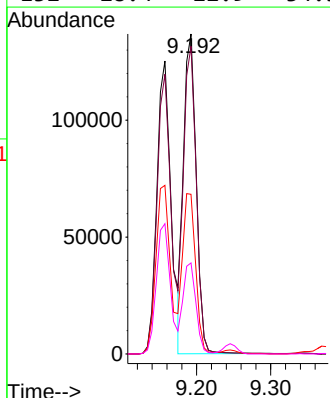
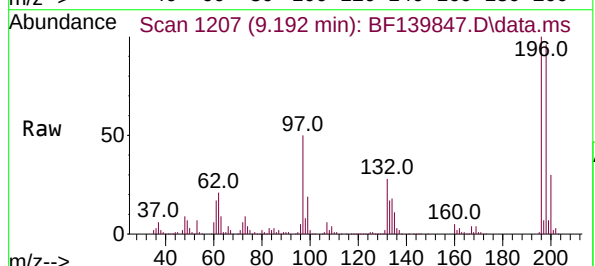
Ion Ratio Lower Upper

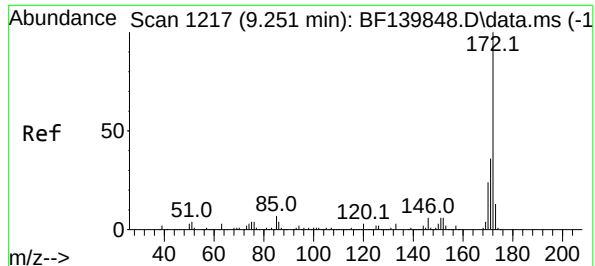
196 100

198 96.2 75.8 113.6

97 49.9 41.8 62.6

132 28.4 22.9 34.3





#45

2-Fluorobiphenyl

Concen: 42.316 ng

RT: 9.245 min Scan# 1216

Delta R.T. -0.006 min

Lab File: BF139847.D

Acq: 18 Oct 2024 11:52

Instrument :

BNA\_F

ClientSampleId :

SSTDICC020

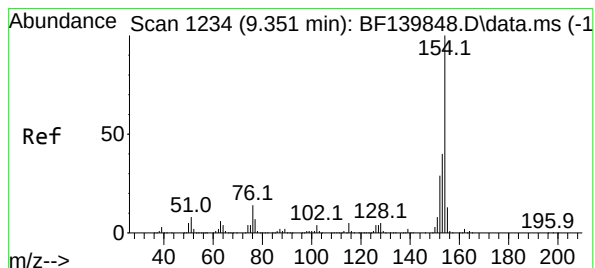
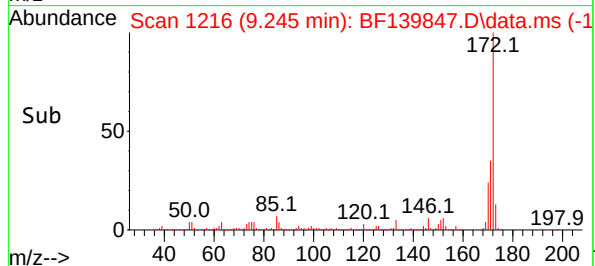
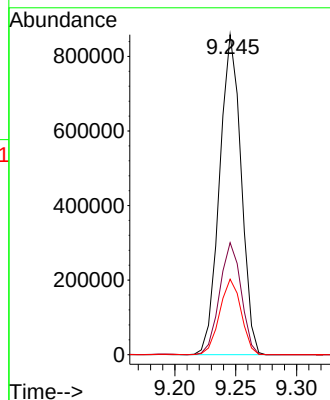
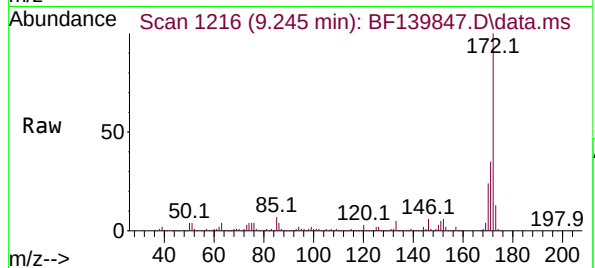
Tgt Ion:172 Resp: 1057523

Ion Ratio Lower Upper

172 100

171 35.0 28.6 43.0

170 23.6 19.1 28.7



#46

1,1'-Biphenyl

Concen: 21.297 ng

RT: 9.345 min Scan# 1233

Delta R.T. -0.006 min

Lab File: BF139847.D

Acq: 18 Oct 2024 11:52

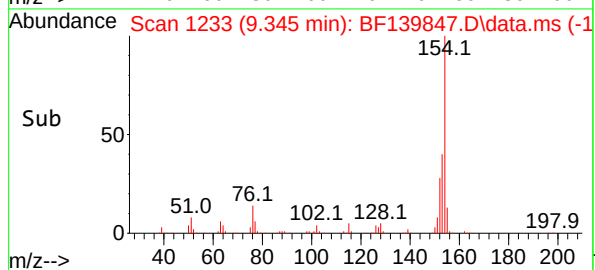
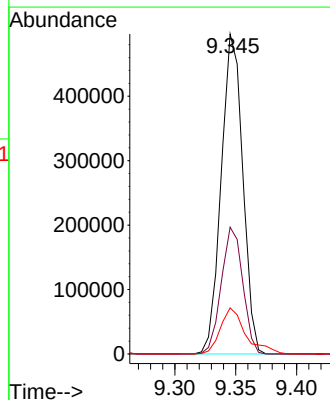
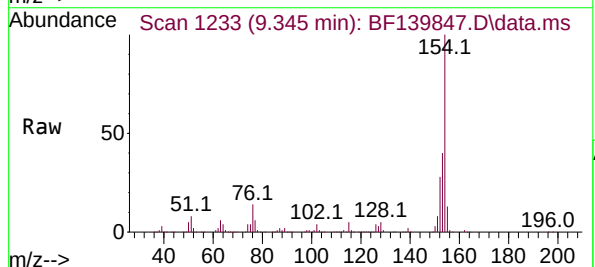
Tgt Ion:154 Resp: 612342

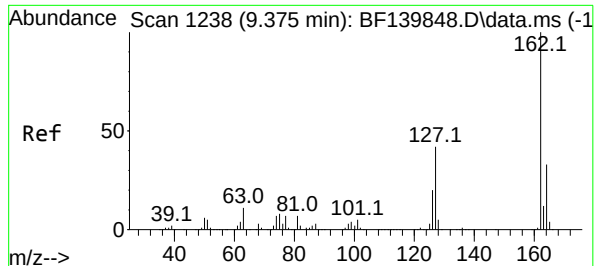
Ion Ratio Lower Upper

154 100

153 39.6 20.3 60.3

76 14.4 0.0 33.9





#47

2-Chloronaphthalene

Concen: 20.767 ng

RT: 9.375 min Scan# 1238

Delta R.T. 0.000 min

Lab File: BF139847.D

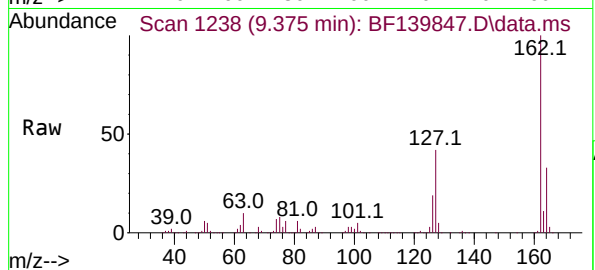
Acq: 18 Oct 2024 11:52

Instrument :

BNA\_F

ClientSampleId :

SSTDICC020



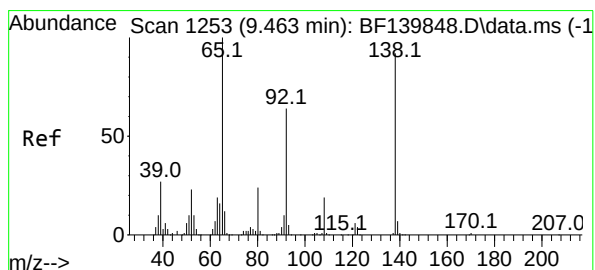
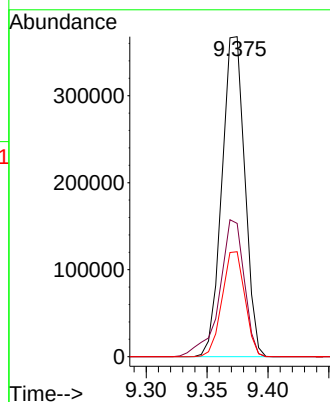
Tgt Ion:162 Resp: 480916

Ion Ratio Lower Upper

162 100

127 41.7 33.8 50.6

164 32.8 26.6 39.8



#48

2-Nitroaniline

Concen: 20.614 ng

RT: 9.463 min Scan# 1253

Delta R.T. 0.000 min

Lab File: BF139847.D

Acq: 18 Oct 2024 11:52

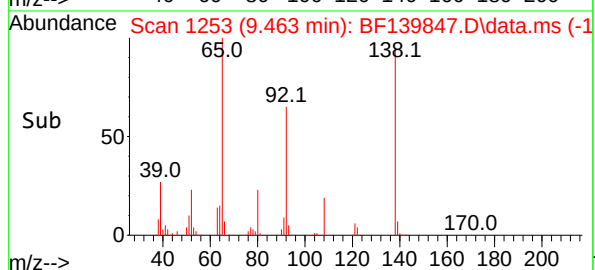
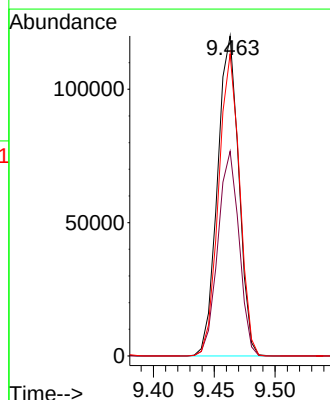
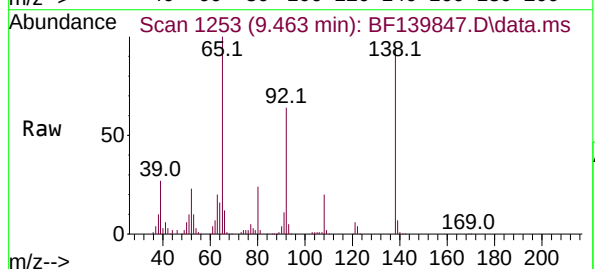
Tgt Ion: 65 Resp: 146002

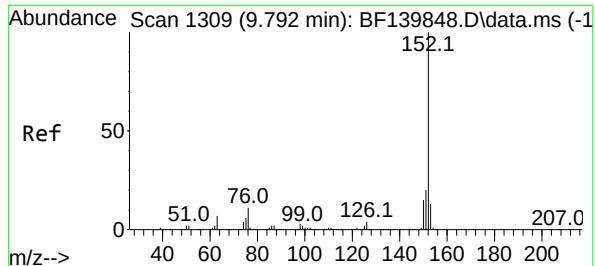
Ion Ratio Lower Upper

65 100

92 64.0 50.9 76.3

138 94.4 73.4 110.0





#49

Acenaphthylene

Concen: 21.182 ng

RT: 9.786 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF139847.D

Acq: 18 Oct 2024 11:52

Instrument :

BNA\_F

ClientSampleId :

SSTDICC020

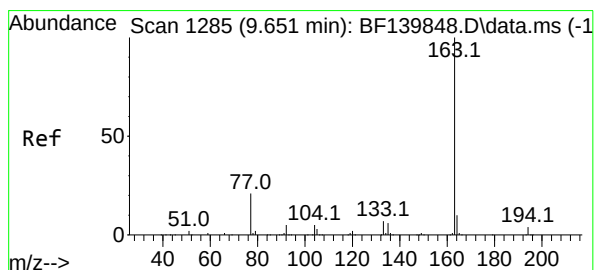
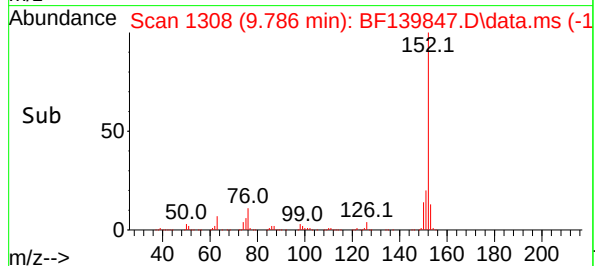
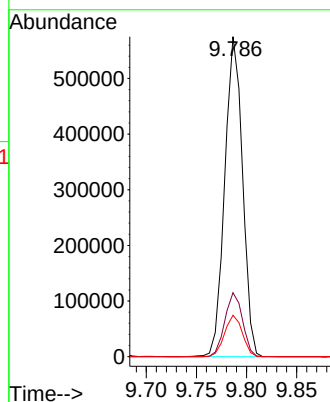
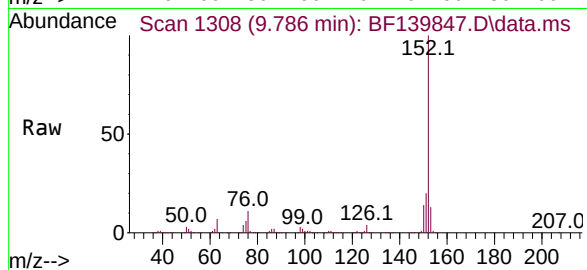
Tgt Ion:152 Resp: 709161

Ion Ratio Lower Upper

152 100

151 20.0 15.9 23.9

153 13.0 10.7 16.1



#50

Dimethylphthalate

Concen: 20.592 ng

RT: 9.645 min Scan# 1284

Delta R.T. -0.006 min

Lab File: BF139847.D

Acq: 18 Oct 2024 11:52

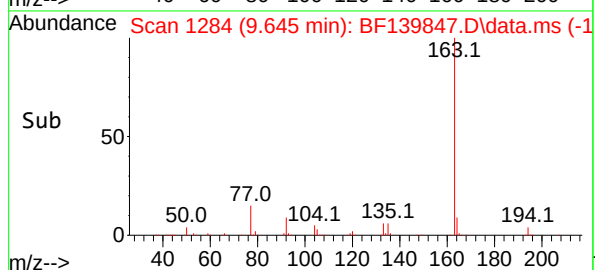
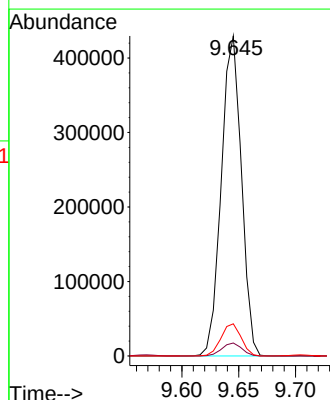
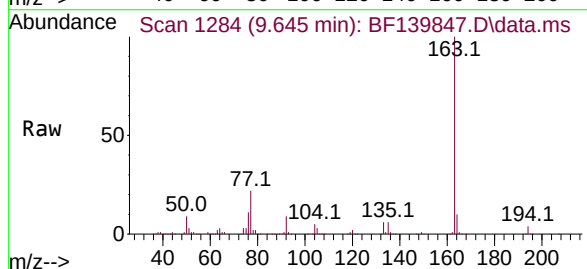
Tgt Ion:163 Resp: 529745

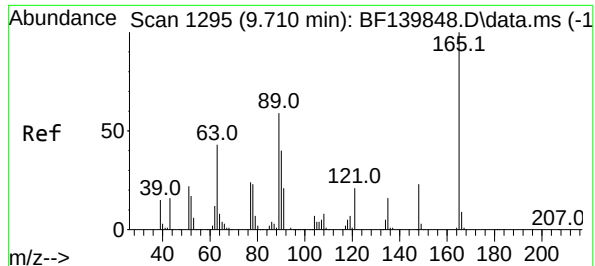
Ion Ratio Lower Upper

163 100

194 4.1 3.4 5.0

164 10.1 8.2 12.2

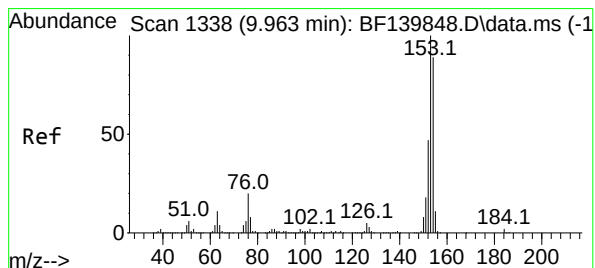
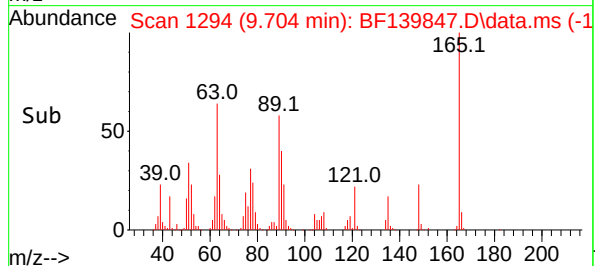
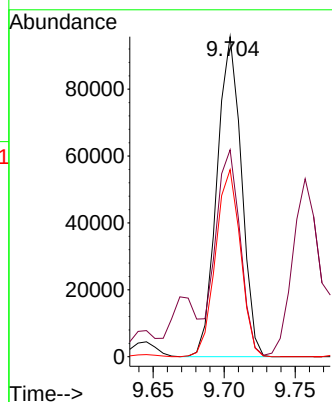
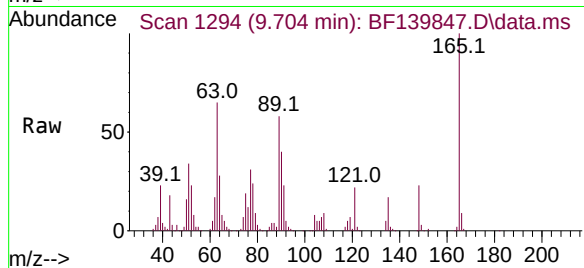




#51  
2,6-Dinitrotoluene  
Concen: 20.596 ng  
RT: 9.704 min Scan# 1294  
Delta R.T. -0.006 min  
Lab File: BF139847.D  
Acq: 18 Oct 2024 11:52

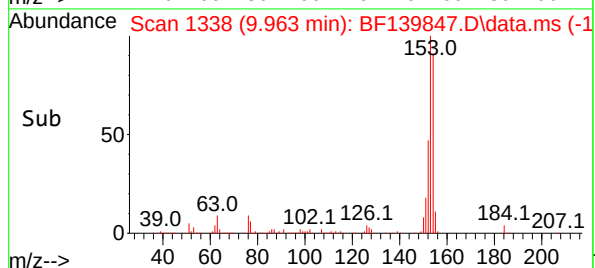
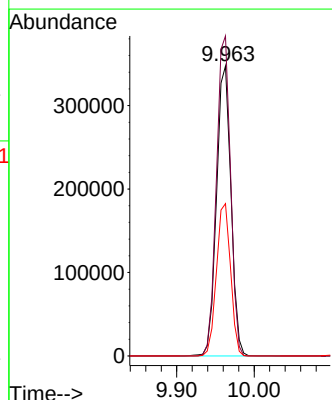
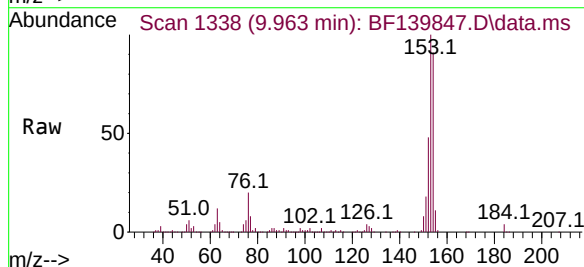
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC020

Tgt Ion:165 Resp: 114726  
Ion Ratio Lower Upper  
165 100  
63 64.6 50.6 75.8  
89 58.4 47.5 71.3

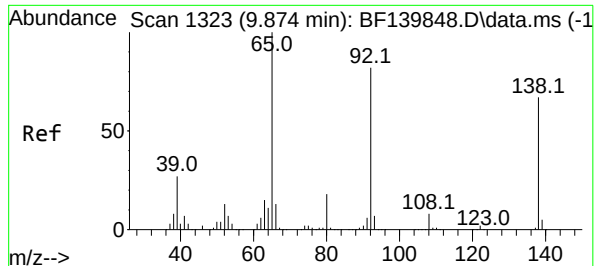


#52  
Acenaphthene  
Concen: 20.768 ng  
RT: 9.963 min Scan# 1338  
Delta R.T. 0.000 min  
Lab File: BF139847.D  
Acq: 18 Oct 2024 11:52

Tgt Ion:154 Resp: 449770  
Ion Ratio Lower Upper  
154 100  
153 110.4 89.8 134.6  
152 52.5 42.4 63.6



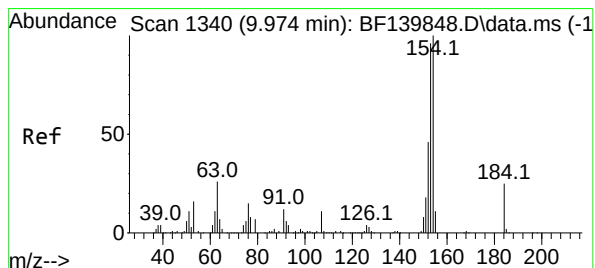
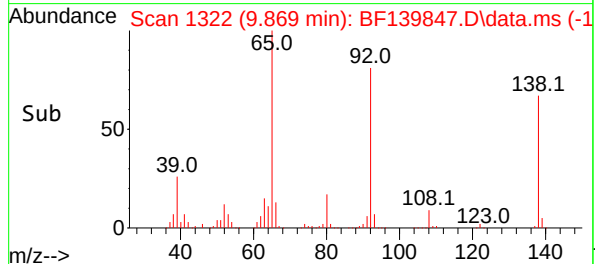
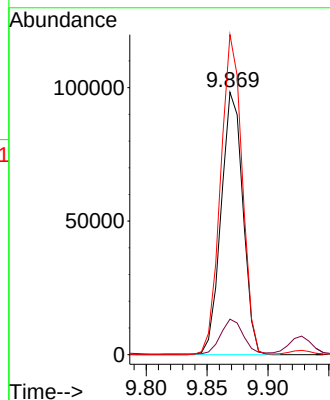
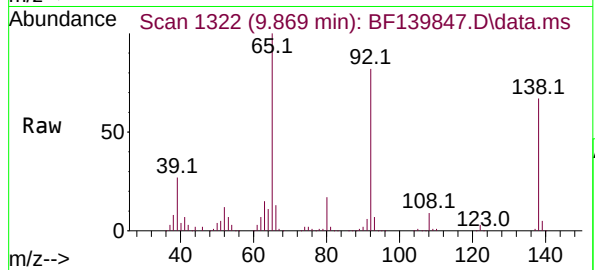




#53  
3-Nitroaniline  
Concen: 21.271 ng  
RT: 9.869 min Scan# 1322  
Delta R.T. -0.006 min  
Lab File: BF139847.D  
Acq: 18 Oct 2024 11:52

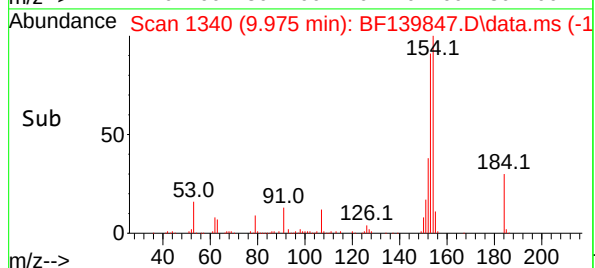
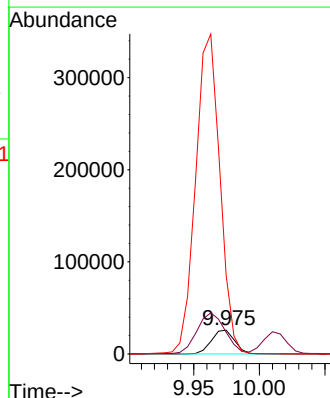
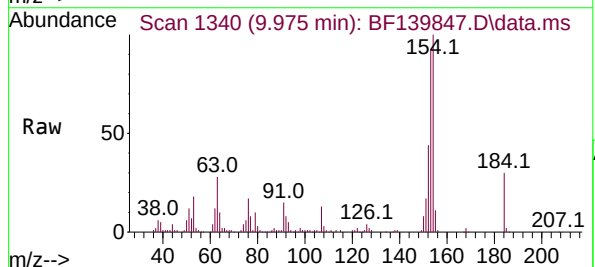
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC020

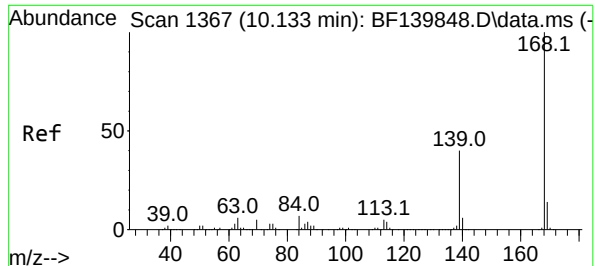
Tgt Ion:138 Resp: 122186  
Ion Ratio Lower Upper  
138 100  
108 13.5 10.2 15.2  
92 121.9 98.3 147.5



#54  
2,4-Dinitrophenol  
Concen: 19.148 ng  
RT: 9.975 min Scan# 1340  
Delta R.T. 0.001 min  
Lab File: BF139847.D  
Acq: 18 Oct 2024 11:52

Tgt Ion:184 Resp: 31801  
Ion Ratio Lower Upper  
184 100  
63 91.3 84.7 127.1  
154 331.4 338.2 507.2#





#55

Dibenzenofuran

Concen: 20.991 ng

RT: 10.134 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF139847.D

Acq: 18 Oct 2024 11:52

Instrument :

BNA\_F

ClientSampleId :

SSTDICC020

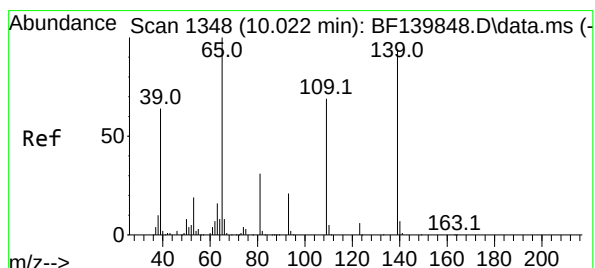
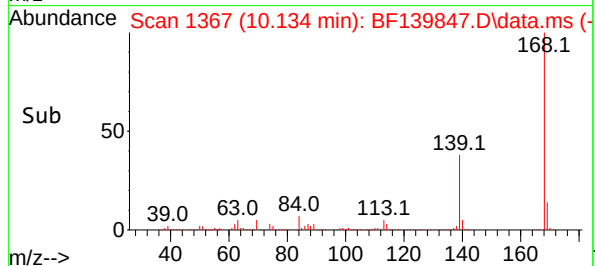
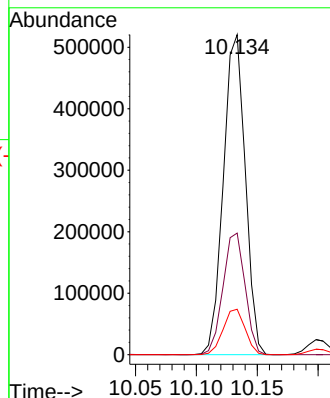
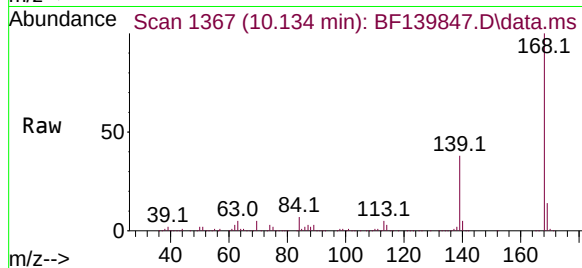
Tgt Ion:168 Resp: 652249

Ion Ratio Lower Upper

168 100

139 38.0 31.8 47.6

169 14.2 11.6 17.4



#56

4-Nitrophenol

Concen: 21.057 ng

RT: 10.010 min Scan# 1346

Delta R.T. -0.012 min

Lab File: BF139847.D

Acq: 18 Oct 2024 11:52

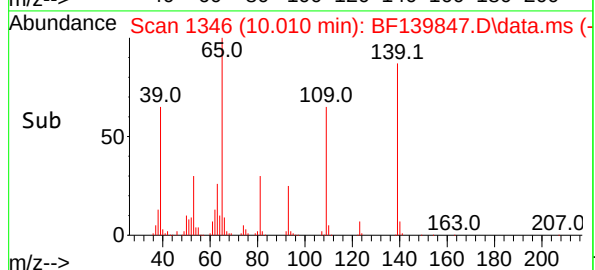
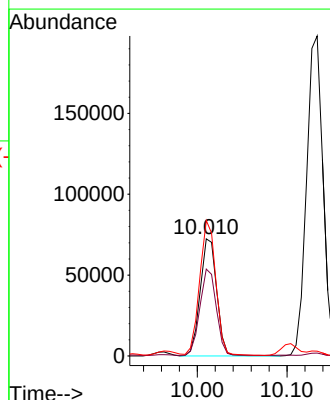
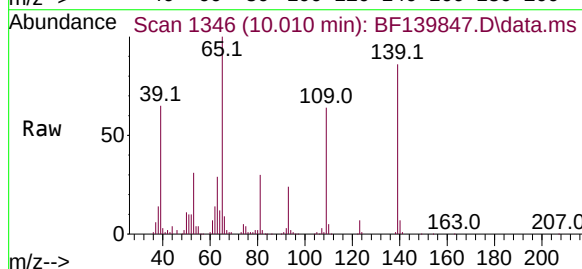
Tgt Ion:139 Resp: 93060

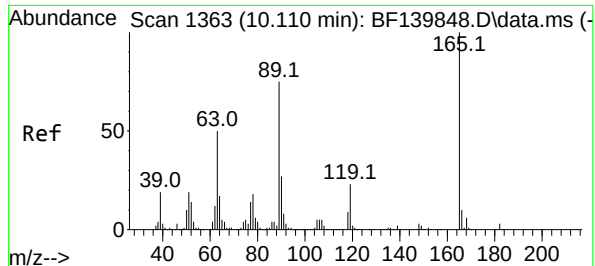
Ion Ratio Lower Upper

139 100

109 74.2 53.6 93.6

65 115.7 87.8 127.8

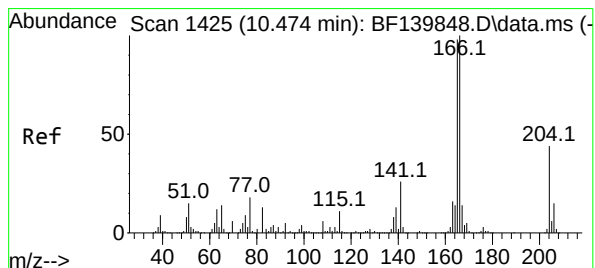
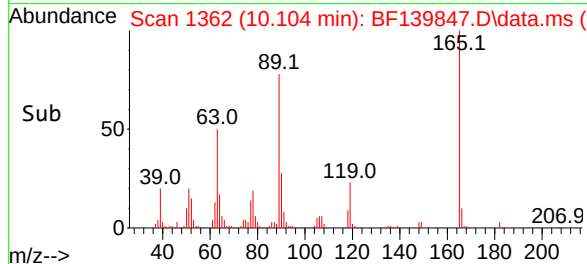
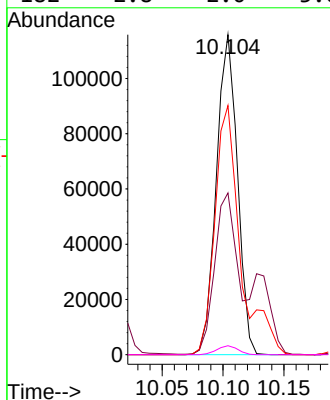
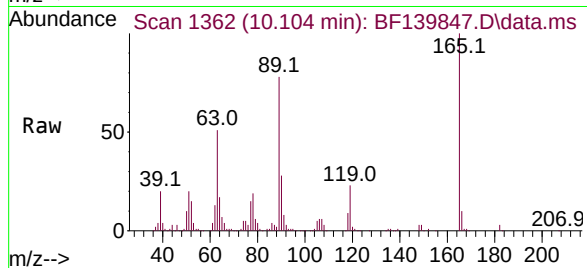




#57  
2,4-Dinitrotoluene  
Concen: 20.348 ng  
RT: 10.104 min Scan# 1363  
Delta R.T. -0.006 min  
Lab File: BF139847.D  
Acq: 18 Oct 2024 11:52

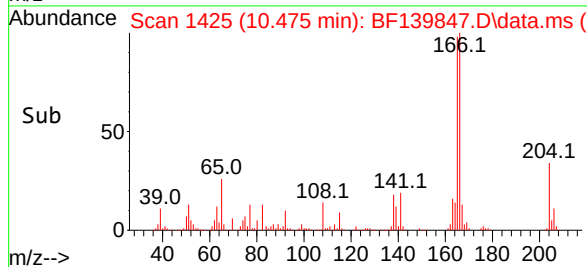
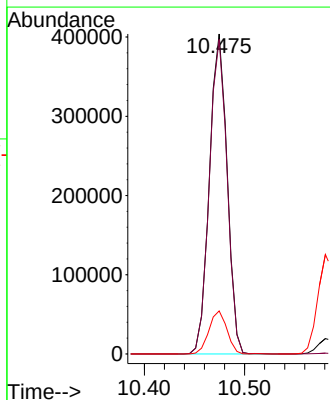
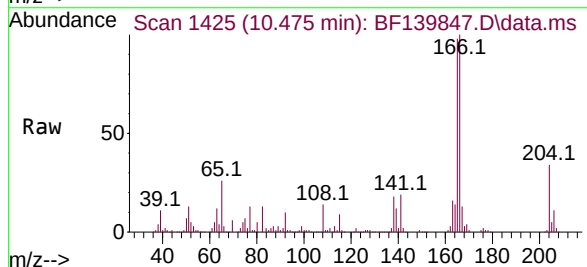
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC020

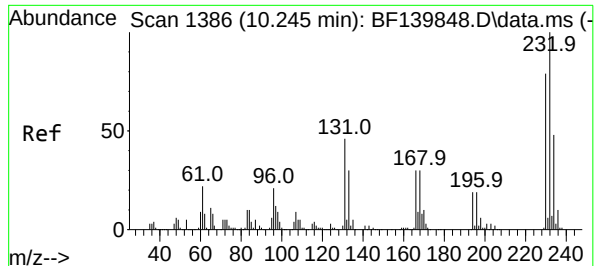
Tgt Ion:165 Resp: 139381  
Ion Ratio Lower Upper  
165 100  
63 50.6 40.1 60.1  
89 77.9 60.4 90.6  
182 2.8 2.0 3.0



#58  
Fluorene  
Concen: 20.958 ng  
RT: 10.475 min Scan# 1425  
Delta R.T. 0.000 min  
Lab File: BF139847.D  
Acq: 18 Oct 2024 11:52

Tgt Ion:166 Resp: 496012  
Ion Ratio Lower Upper  
166 100  
165 98.3 78.5 117.7  
167 13.5 10.9 16.3

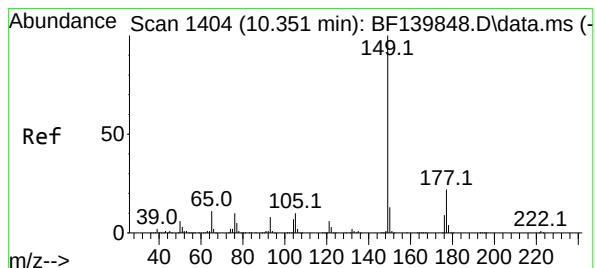
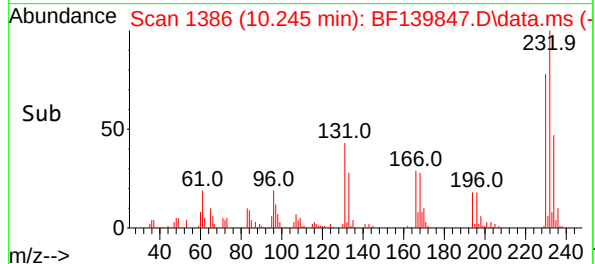
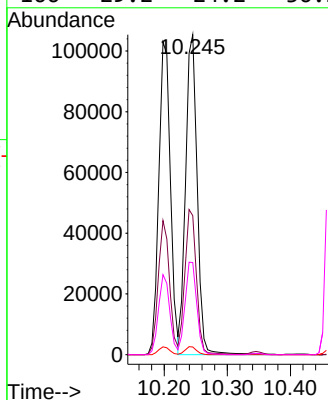
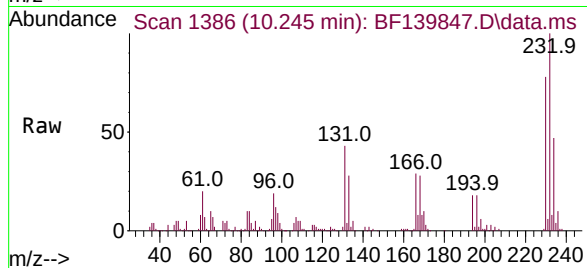




#59  
2,3,4,6-Tetrachlorophenol  
Concen: 21.133 ng  
RT: 10.245 min Scan# 1386  
Delta R.T. 0.000 min  
Lab File: BF139847.D  
Acq: 18 Oct 2024 11:52

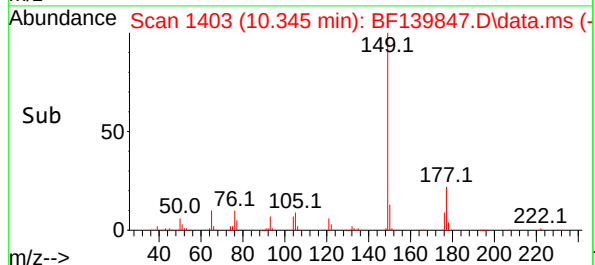
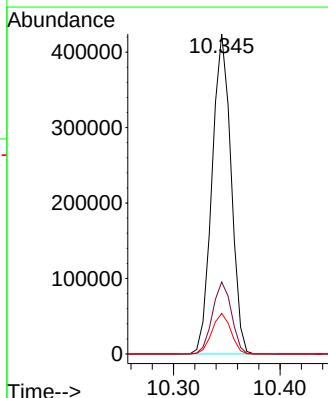
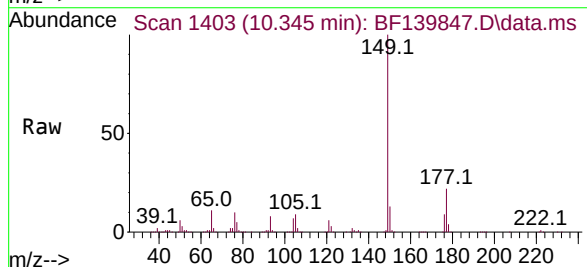
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC020

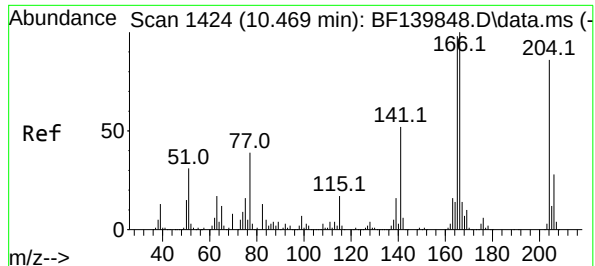
Tgt Ion:232 Resp: 134842  
Ion Ratio Lower Upper  
232 100  
131 45.1 37.0 55.6  
130 2.5 1.9 2.9  
166 29.2 24.2 36.2



#60  
Diethylphthalate  
Concen: 20.723 ng  
RT: 10.345 min Scan# 1403  
Delta R.T. -0.006 min  
Lab File: BF139847.D  
Acq: 18 Oct 2024 11:52

Tgt Ion:149 Resp: 523458  
Ion Ratio Lower Upper  
149 100  
177 22.5 17.9 26.9  
150 12.7 10.1 15.1

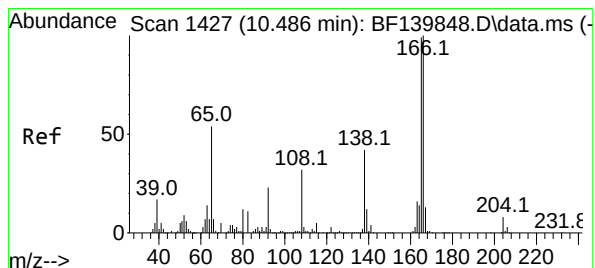
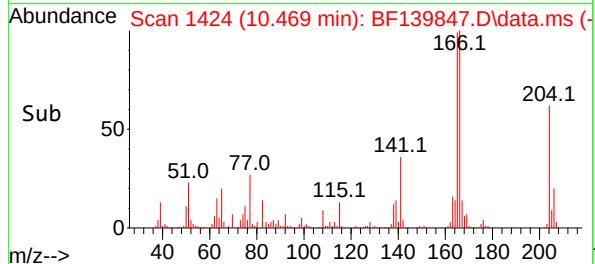
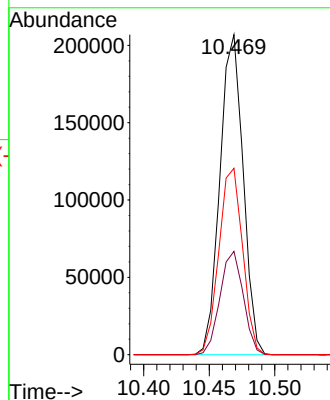
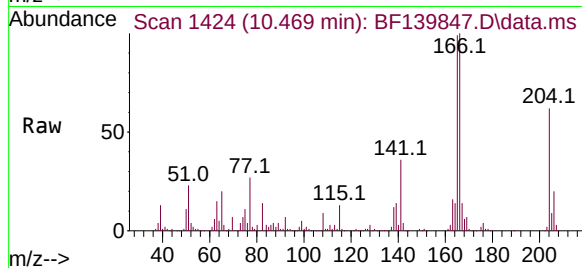




#61  
4-Chlorophenyl-phenylether  
Concen: 21.331 ng  
RT: 10.469 min Scan# 1424  
Delta R.T. 0.000 min  
Lab File: BF139847.D  
Acq: 18 Oct 2024 11:52

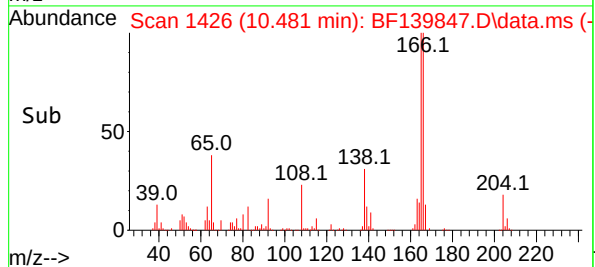
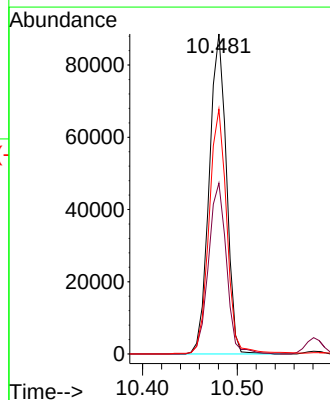
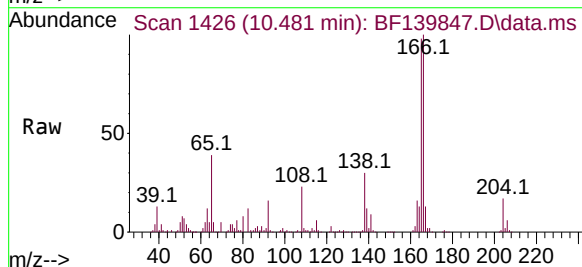
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC020

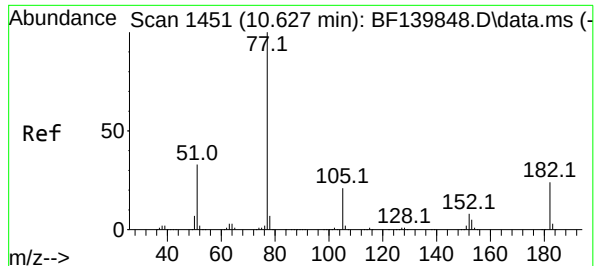
Tgt Ion:204 Resp: 254950  
Ion Ratio Lower Upper  
204 100  
206 32.3 26.3 39.5  
141 58.3 48.6 73.0



#62  
4-Nitroaniline  
Concen: 20.586 ng  
RT: 10.481 min Scan# 1426  
Delta R.T. -0.006 min  
Lab File: BF139847.D  
Acq: 18 Oct 2024 11:52

Tgt Ion:138 Resp: 111683  
Ion Ratio Lower Upper  
138 100  
92 53.4 35.7 75.7  
108 76.5 57.5 97.5

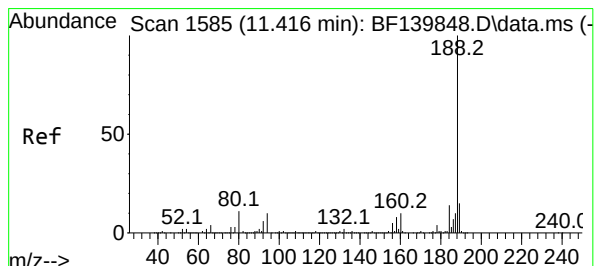
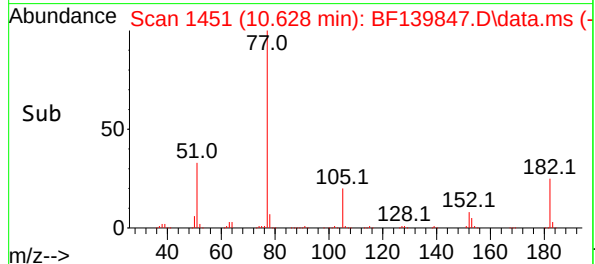
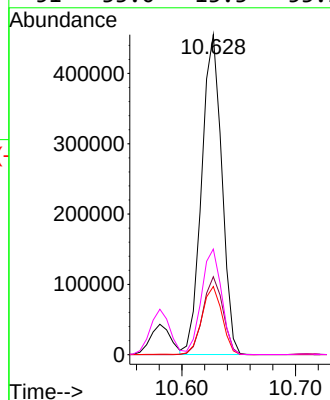
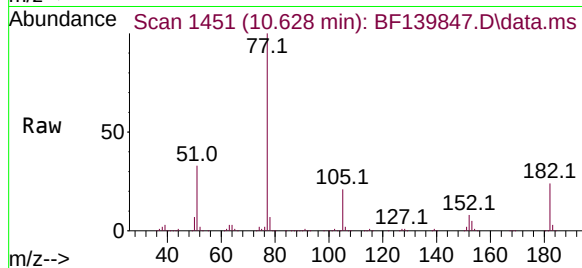




#63  
Azobenzene  
Concen: 20.906 ng  
RT: 10.628 min Scan# 1451  
Delta R.T. 0.000 min  
Lab File: BF139847.D  
Acq: 18 Oct 2024 11:52

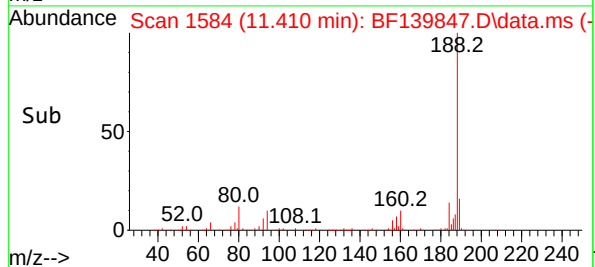
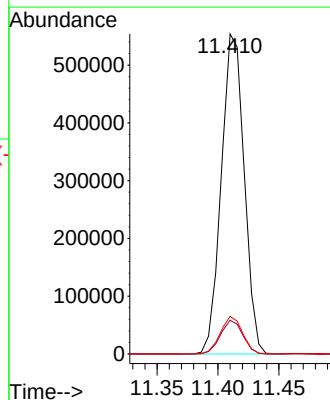
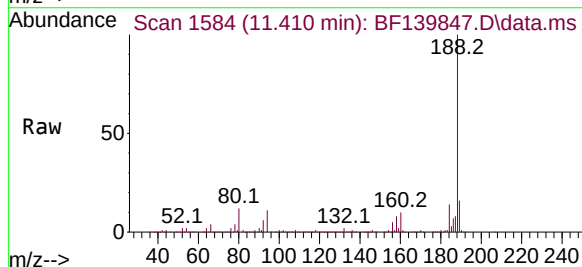
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC020

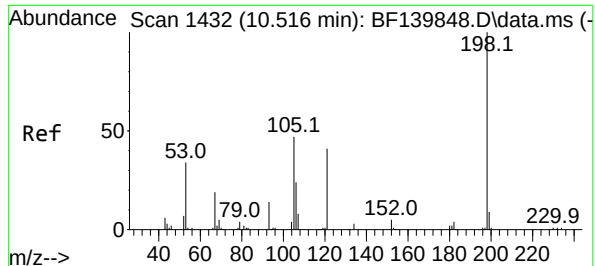
|             |              |
|-------------|--------------|
| Tgt Ion: 77 | Resp: 559837 |
| Ion Ratio   | Lower Upper  |
| 77 100      |              |
| 182 24.4    | 3.3 43.3     |
| 105 21.3    | 1.2 41.2     |
| 51 33.0     | 13.3 53.3    |



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.410 min Scan# 1584  
Delta R.T. -0.006 min  
Lab File: BF139847.D  
Acq: 18 Oct 2024 11:52

|              |              |
|--------------|--------------|
| Tgt Ion: 188 | Resp: 724973 |
| Ion Ratio    | Lower Upper  |
| 188 100      |              |
| 94 10.5      | 7.9 11.9     |
| 80 11.7      | 9.0 13.4     |

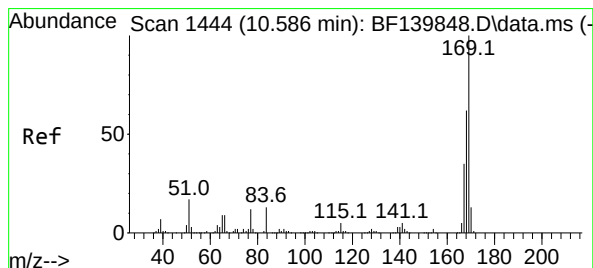
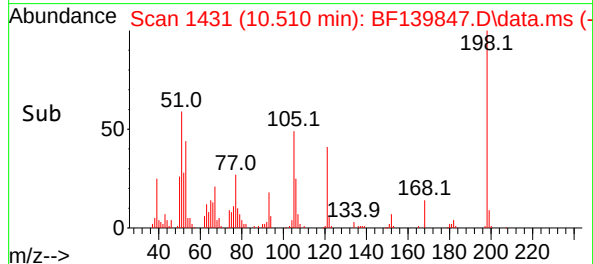
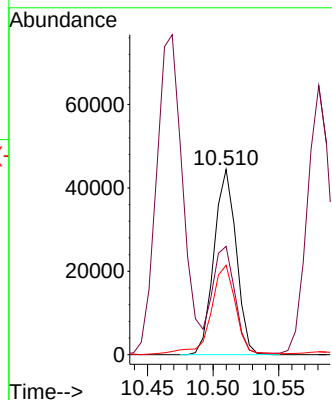
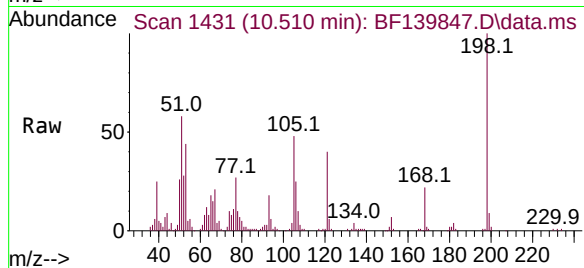




#65  
4,6-Dinitro-2-methylphenol  
Concen: 17.645 ng  
RT: 10.510 min Scan# 1431  
Delta R.T. -0.006 min  
Lab File: BF139847.D  
Acq: 18 Oct 2024 11:52

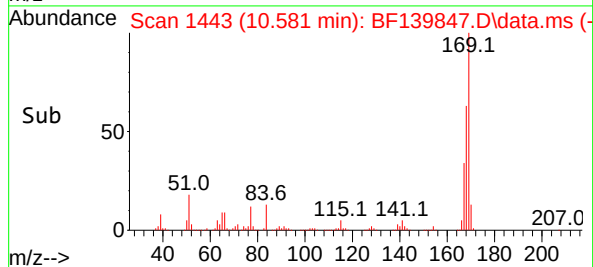
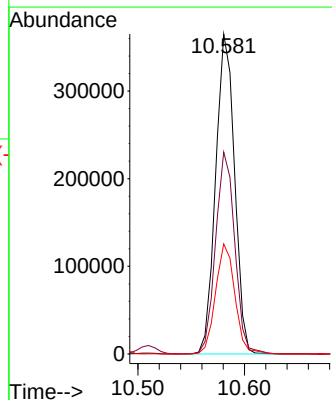
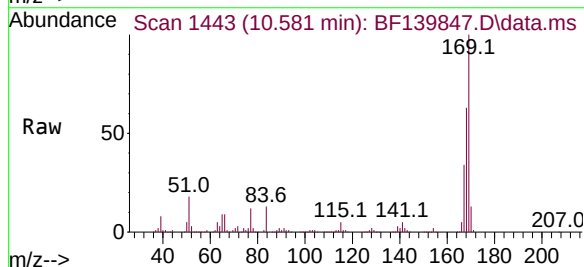
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC020

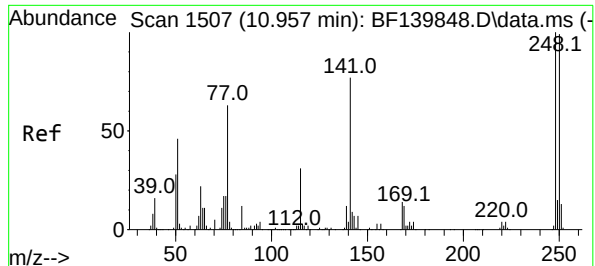
Tgt Ion:198 Resp: 52180  
Ion Ratio Lower Upper  
198 100  
51 58.5 38.2 78.2  
105 48.3 27.9 67.9



#66  
n-Nitrosodiphenylamine  
Concen: 20.736 ng  
RT: 10.581 min Scan# 1443  
Delta R.T. -0.006 min  
Lab File: BF139847.D  
Acq: 18 Oct 2024 11:52

Tgt Ion:169 Resp: 449925  
Ion Ratio Lower Upper  
169 100  
168 63.1 49.8 74.6  
167 34.4 28.0 42.0

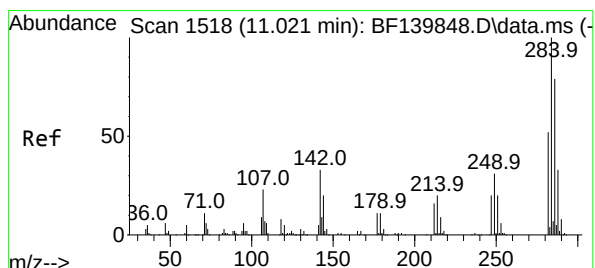
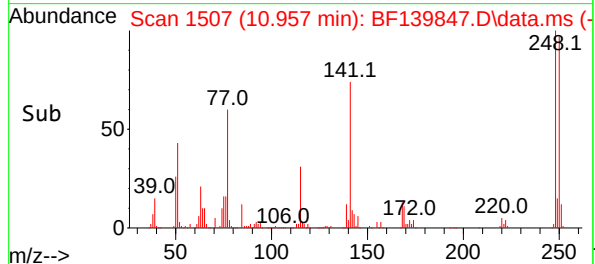
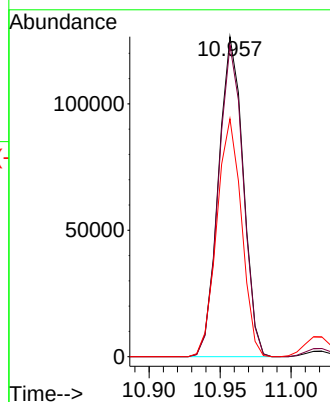
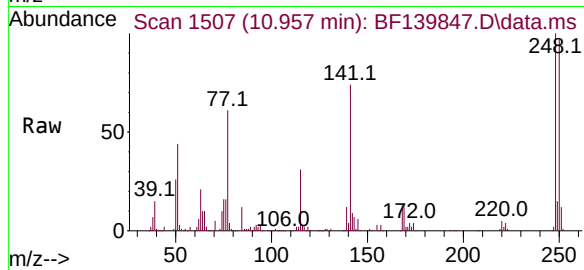




#67  
4-Bromophenyl-phenylether  
Concen: 20.512 ng  
RT: 10.957 min Scan# 1507  
Delta R.T. 0.000 min  
Lab File: BF139847.D  
Acq: 18 Oct 2024 11:52

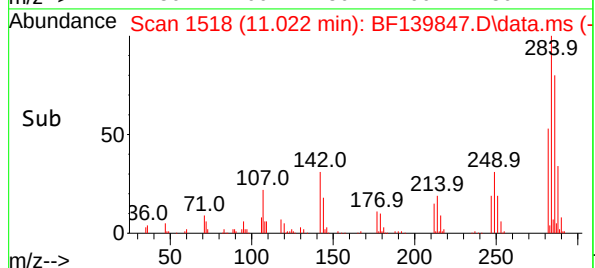
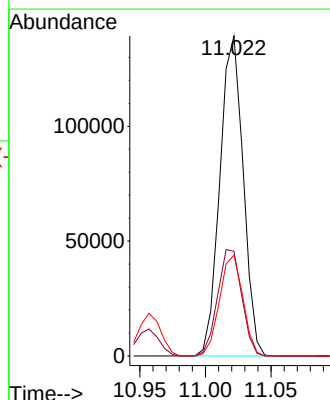
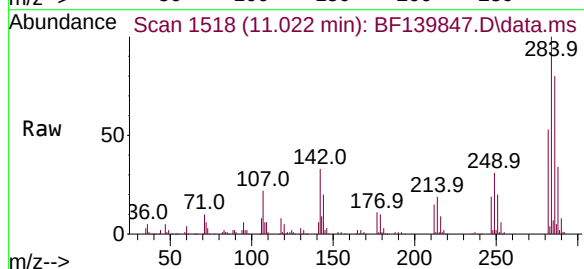
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC020

Tgt Ion:248 Resp: 153196  
Ion Ratio Lower Upper  
248 100  
250 97.4 79.0 118.6  
141 74.3 61.7 92.5

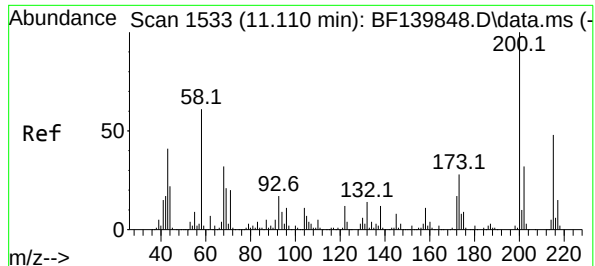


#68  
Hexachlorobenzene  
Concen: 20.488 ng  
RT: 11.022 min Scan# 1518  
Delta R.T. 0.000 min  
Lab File: BF139847.D  
Acq: 18 Oct 2024 11:52

Tgt Ion:284 Resp: 172091  
Ion Ratio Lower Upper  
284 100  
142 32.7 26.9 40.3  
249 31.5 25.3 37.9







#69

Atrazine

Concen: 19.240 ng

RT: 11.104 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF139847.D

Acq: 18 Oct 2024 11:52

Instrument :

BNA\_F

ClientSampleId :

SSTDICC020

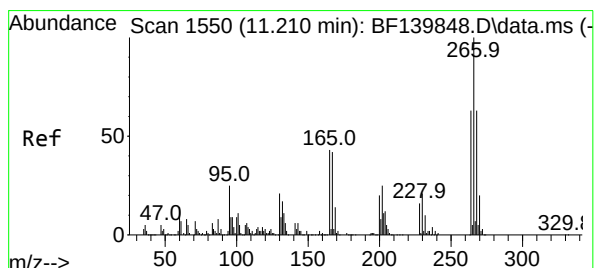
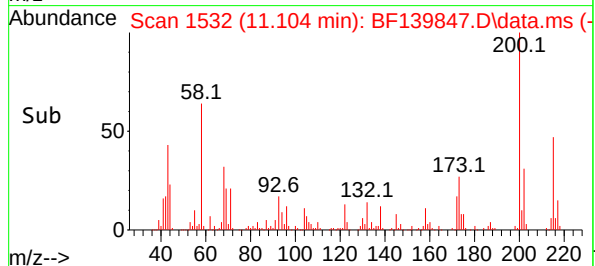
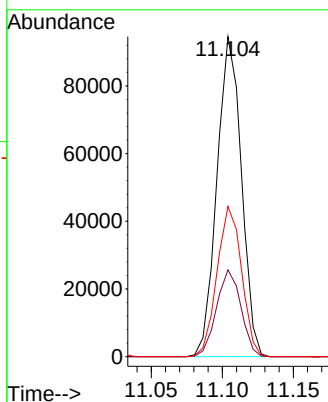
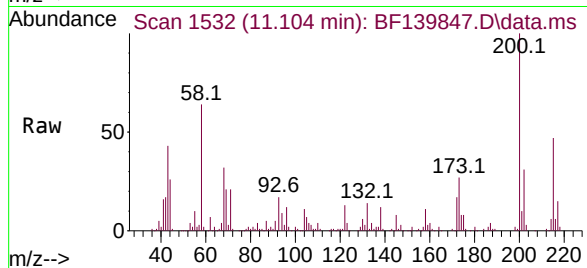
Tgt Ion:200 Resp: 113089

Ion Ratio Lower Upper

200 100

173 27.2 7.7 47.7

215 46.9 27.7 67.7



#70

Pentachlorophenol

Concen: 21.106 ng

RT: 11.210 min Scan# 1550

Delta R.T. 0.000 min

Lab File: BF139847.D

Acq: 18 Oct 2024 11:52

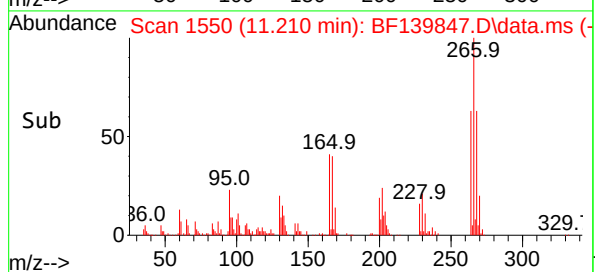
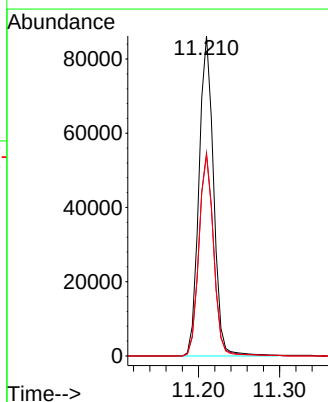
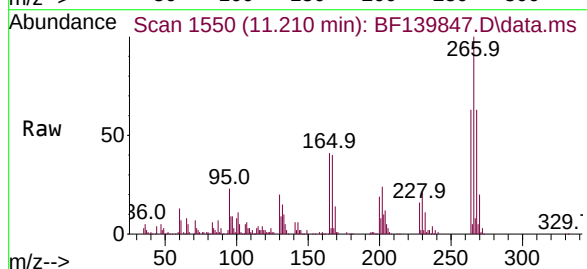
Tgt Ion:266 Resp: 107595

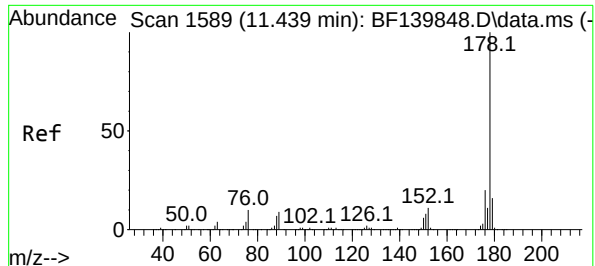
Ion Ratio Lower Upper

266 100

268 63.4 50.4 75.6

264 62.8 50.6 75.8

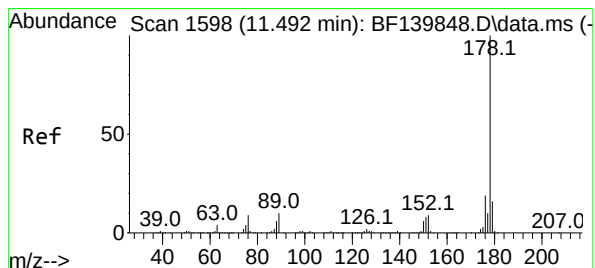
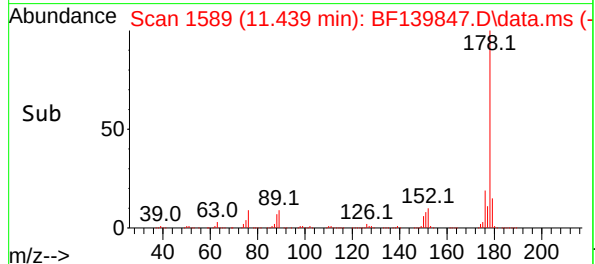
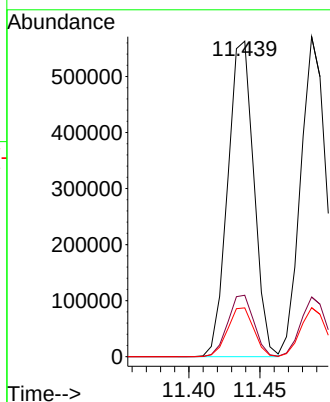
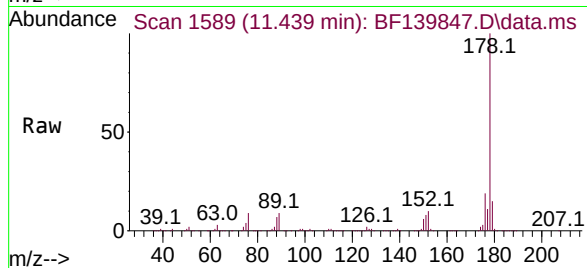




#71  
Phenanthrene  
Concen: 21.036 ng  
RT: 11.439 min Scan# 1589  
Delta R.T. 0.000 min  
Lab File: BF139847.D  
Acq: 18 Oct 2024 11:52

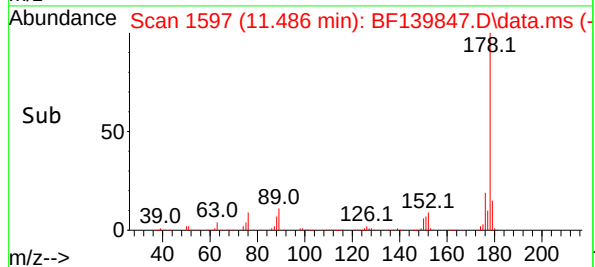
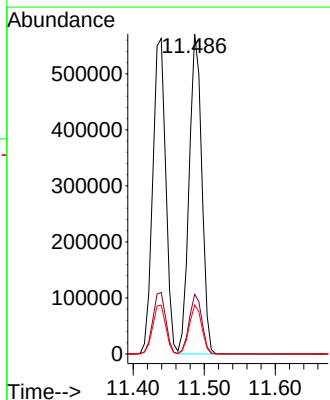
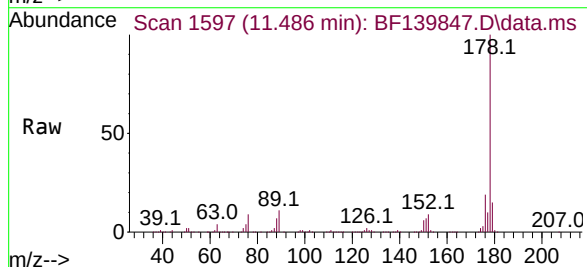
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC020

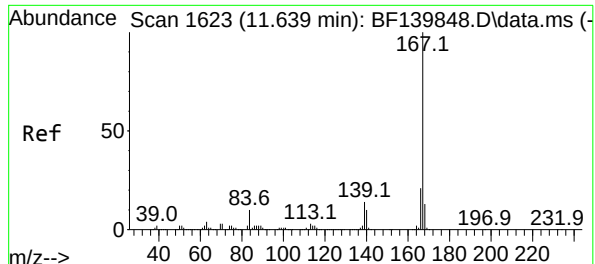
Tgt Ion:178 Resp: 720363  
Ion Ratio Lower Upper  
178 100  
176 19.5 15.8 23.6  
179 15.5 12.6 18.8



#72  
Anthracene  
Concen: 21.083 ng  
RT: 11.486 min Scan# 1597  
Delta R.T. -0.006 min  
Lab File: BF139847.D  
Acq: 18 Oct 2024 11:52

Tgt Ion:178 Resp: 704417  
Ion Ratio Lower Upper  
178 100  
176 18.7 15.3 22.9  
179 15.3 12.4 18.6

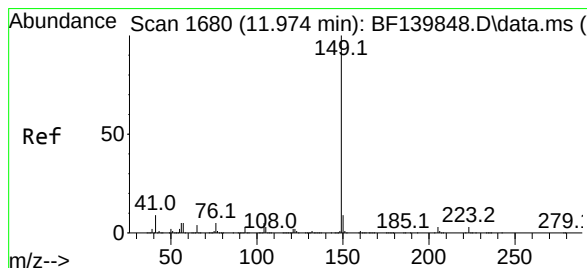
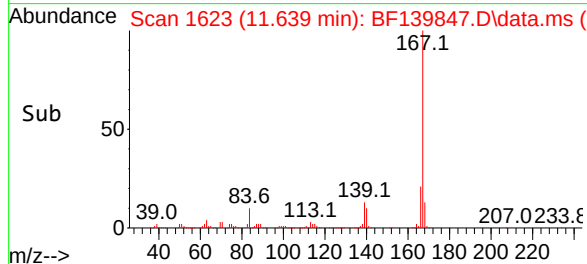
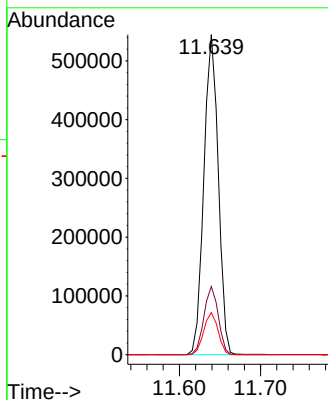
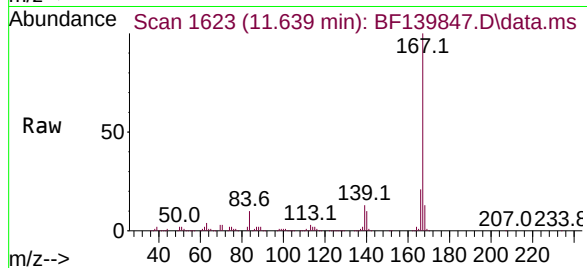




#73  
Carbazole  
Concen: 21.540 ng  
RT: 11.639 min Scan# 1623  
Delta R.T. 0.000 min  
Lab File: BF139847.D  
Acq: 18 Oct 2024 11:52

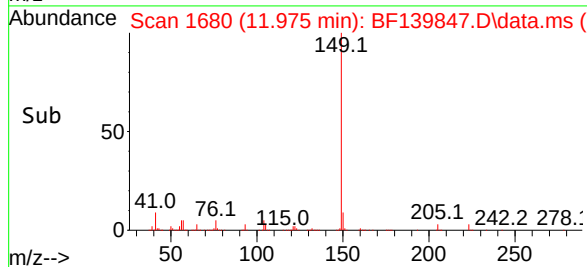
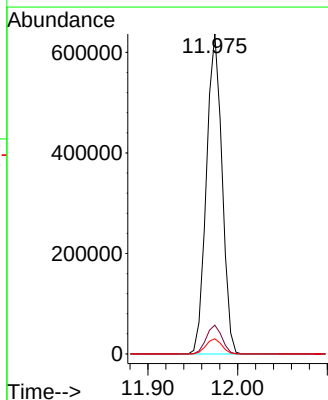
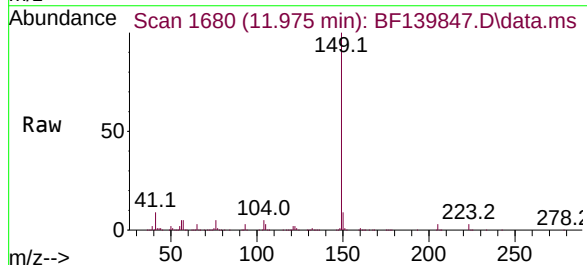
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC020

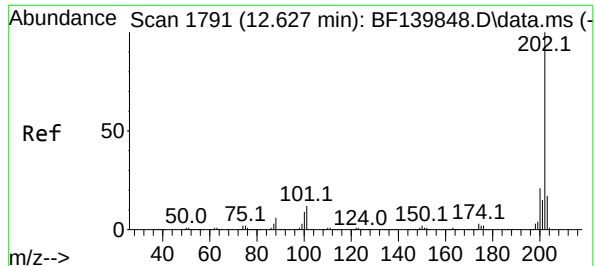
Tgt Ion:167 Resp: 669328  
Ion Ratio Lower Upper  
167 100  
166 21.3 17.0 25.6  
139 13.1 10.8 16.2



#74  
Di-n-butylphthalate  
Concen: 21.442 ng  
RT: 11.975 min Scan# 1680  
Delta R.T. 0.000 min  
Lab File: BF139847.D  
Acq: 18 Oct 2024 11:52

Tgt Ion:149 Resp: 769779  
Ion Ratio Lower Upper  
149 100  
150 9.0 7.5 11.3  
104 4.8 4.1 6.1

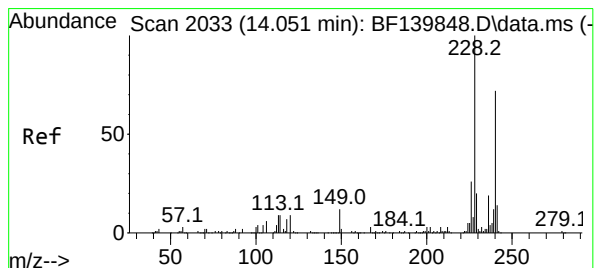
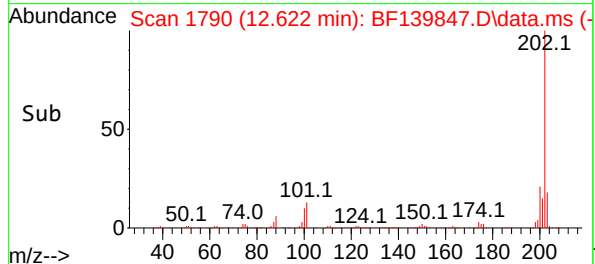
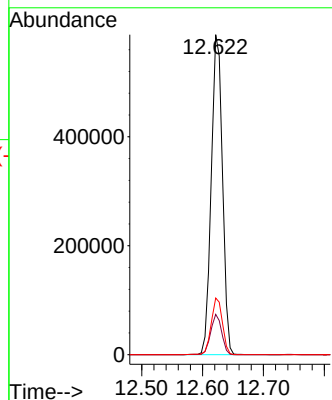
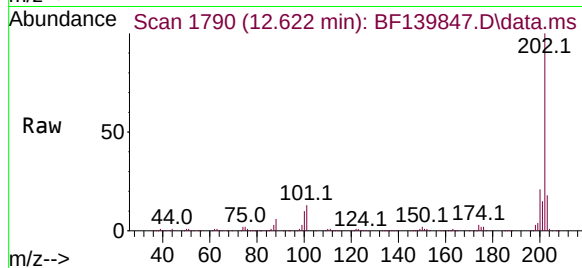




#75  
Fluoranthene  
Concen: 21.703 ng  
RT: 12.622 min Scan# 1791  
Delta R.T. -0.006 min  
Lab File: BF139847.D  
Acq: 18 Oct 2024 11:52

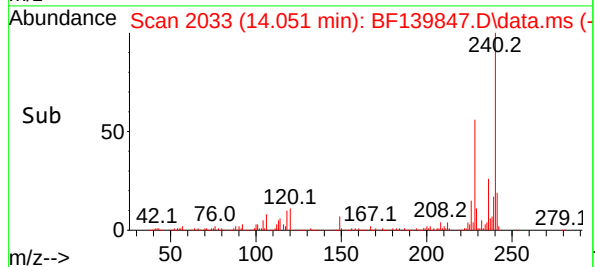
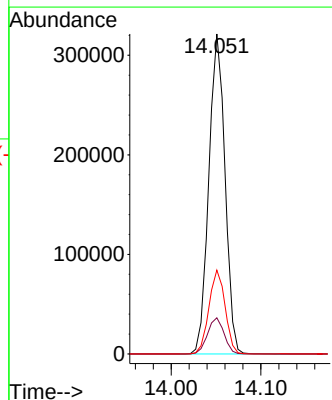
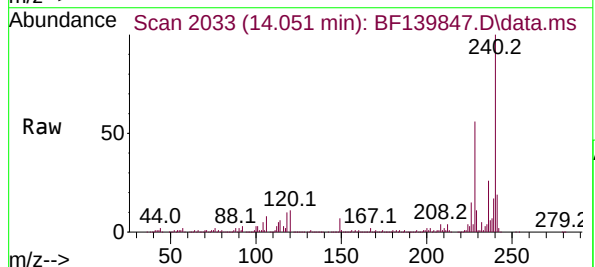
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC020

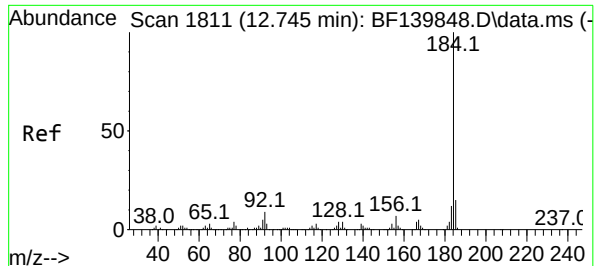
Tgt Ion:202 Resp: 751337  
Ion Ratio Lower Upper  
202 100  
101 12.6 0.0 31.9  
203 17.7 0.0 37.5



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.051 min Scan# 2033  
Delta R.T. 0.000 min  
Lab File: BF139847.D  
Acq: 18 Oct 2024 11:52

Tgt Ion:240 Resp: 402251  
Ion Ratio Lower Upper  
240 100  
120 11.3 9.4 14.2  
236 26.2 20.9 31.3

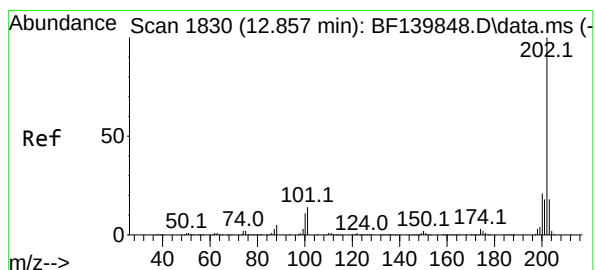
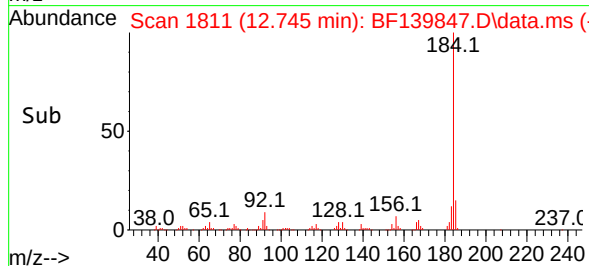
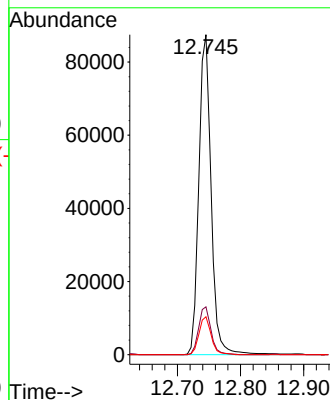
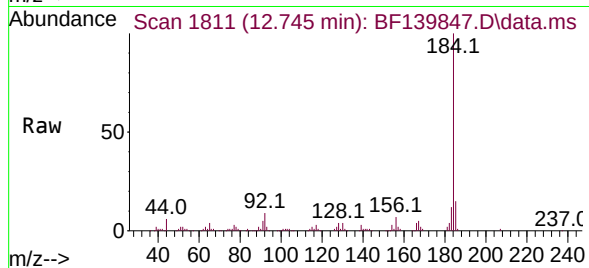




#77  
Benzidine  
Concen: 18.042 ng  
RT: 12.745 min Scan# 1811  
Delta R.T. 0.000 min  
Lab File: BF139847.D  
Acq: 18 Oct 2024 11:52

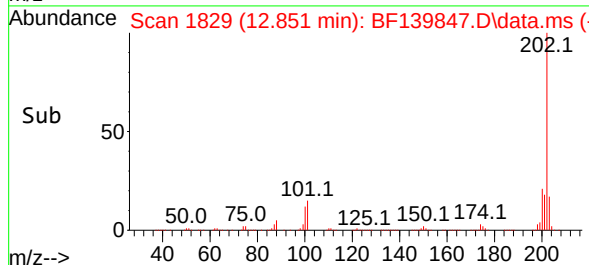
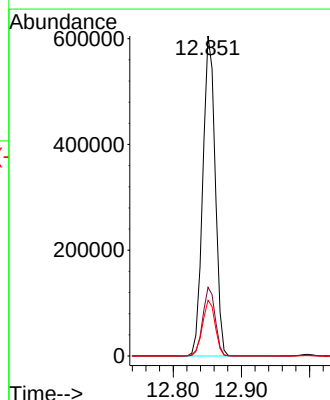
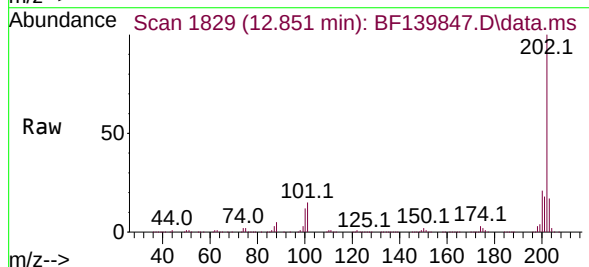
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC020

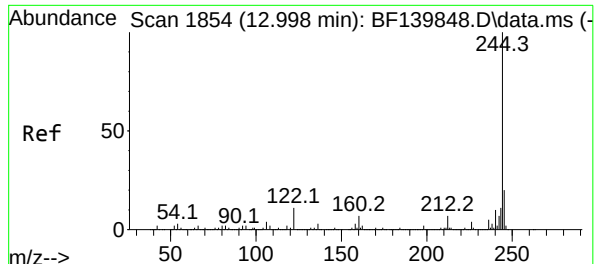
Tgt Ion:184 Resp: 118035  
Ion Ratio Lower Upper  
184 100  
185 15.0 12.0 18.0  
183 11.8 9.4 14.2



#78  
Pyrene  
Concen: 21.700 ng  
RT: 12.851 min Scan# 1829  
Delta R.T. -0.006 min  
Lab File: BF139847.D  
Acq: 18 Oct 2024 11:52

Tgt Ion:202 Resp: 764077  
Ion Ratio Lower Upper  
202 100  
200 21.5 17.2 25.8  
203 17.4 14.2 21.4





#79

Terphenyl-d14

Concen: 43.673 ng

RT: 12.998 min Scan# 1854

Delta R.T. 0.000 min

Lab File: BF139847.D

Acq: 18 Oct 2024 11:52

Instrument :

BNA\_F

ClientSampleId :

SSTDICC020

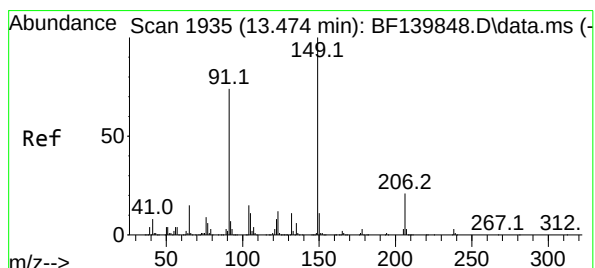
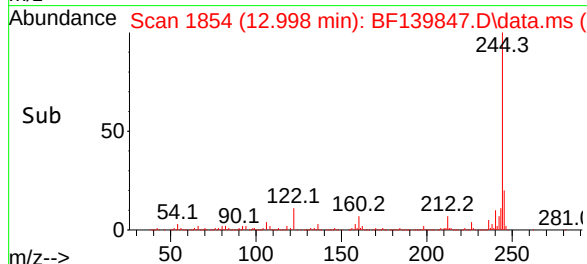
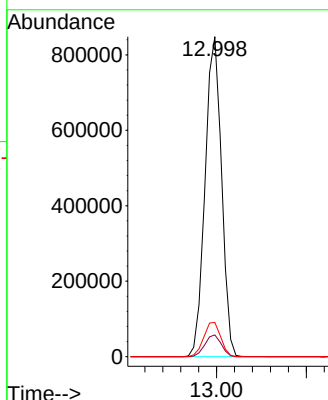
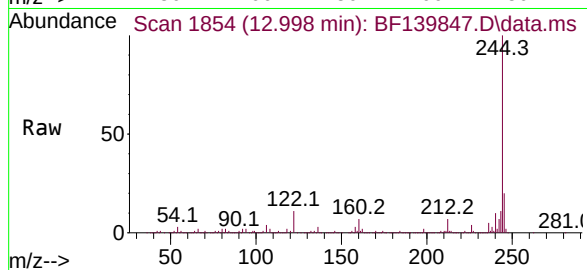
Tgt Ion:244 Resp: 1078101

Ion Ratio Lower Upper

244 100

212 6.8 5.7 8.5

122 10.7 8.6 13.0



#80

Butylbenzylphthalate

Concen: 20.432 ng

RT: 13.474 min Scan# 1935

Delta R.T. 0.000 min

Lab File: BF139847.D

Acq: 18 Oct 2024 11:52

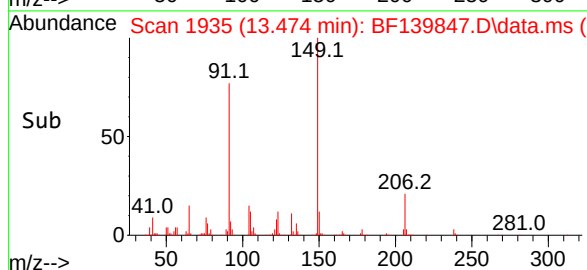
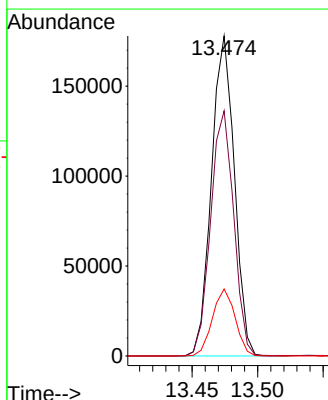
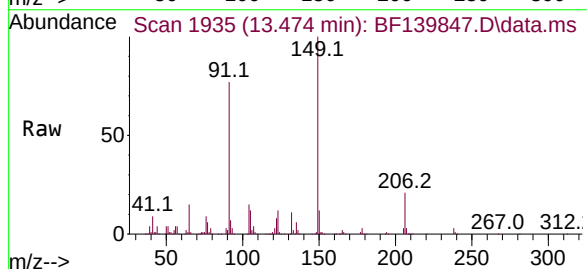
Tgt Ion:149 Resp: 215683

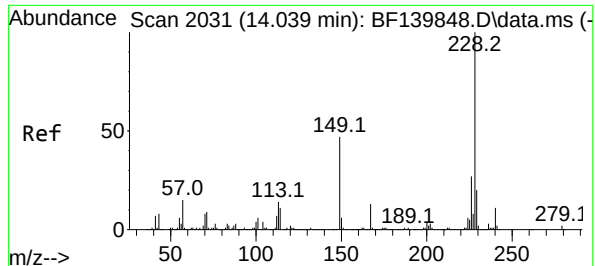
Ion Ratio Lower Upper

149 100

91 76.6 59.4 89.2

206 20.9 16.4 24.6

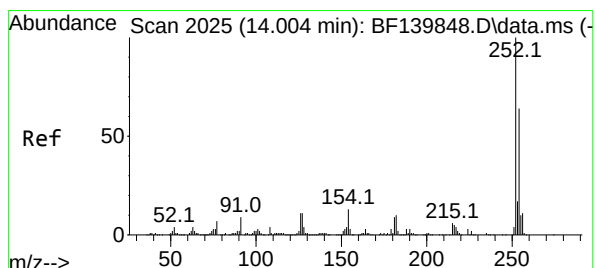
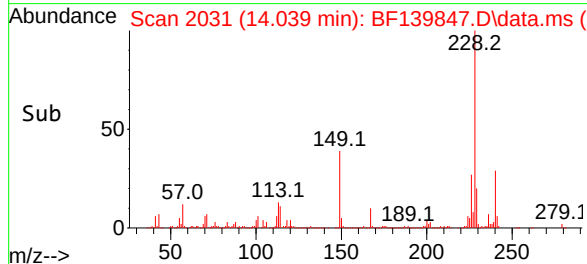
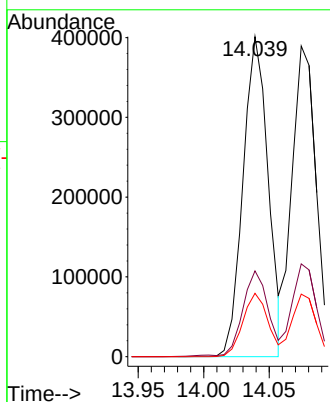
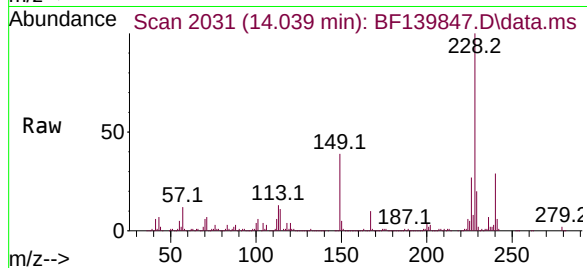




#81  
Benzo(a)anthracene  
Concen: 20.413 ng  
RT: 14.039 min Scan# 2031  
Delta R.T. 0.000 min  
Lab File: BF139847.D  
Acq: 18 Oct 2024 11:52

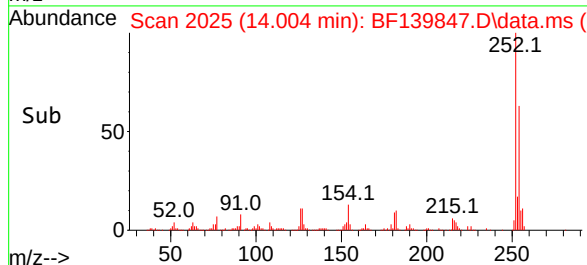
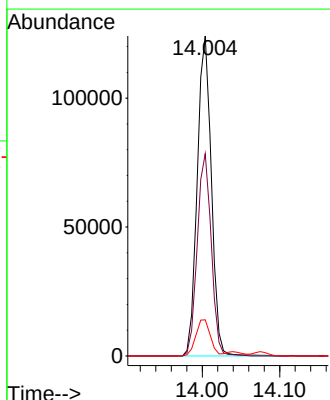
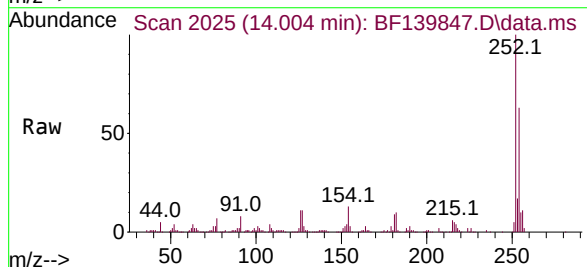
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC020

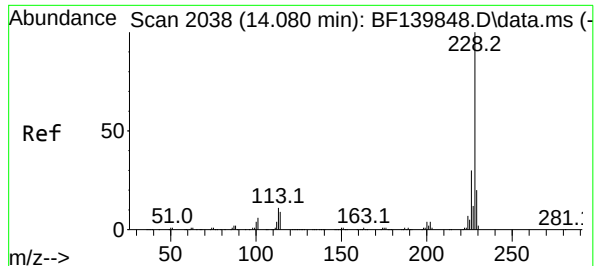
Tgt Ion:228 Resp: 534525  
Ion Ratio Lower Upper  
228 100  
226 26.8 21.6 32.4  
229 19.8 16.1 24.1



#82  
3,3'-Dichlorobenzidine  
Concen: 20.534 ng  
RT: 14.004 min Scan# 2025  
Delta R.T. 0.000 min  
Lab File: BF139847.D  
Acq: 18 Oct 2024 11:52

Tgt Ion:252 Resp: 156770  
Ion Ratio Lower Upper  
252 100  
254 63.2 50.8 76.2  
126 11.3 8.9 13.3





#83

Chrysene

Concen: 20.678 ng

RT: 14.074 min Scan# 2037

Delta R.T. -0.006 min

Lab File: BF139847.D

Acq: 18 Oct 2024 11:52

Instrument :

BNA\_F

ClientSampleId :

SSTDICC020

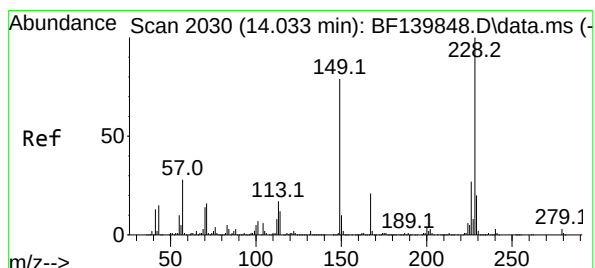
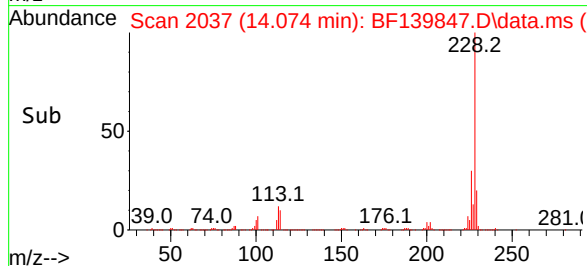
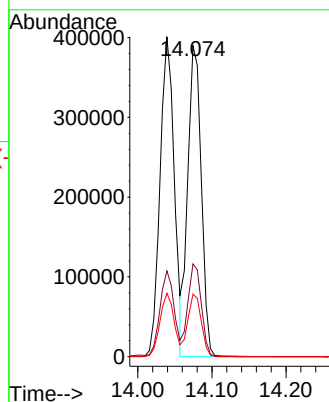
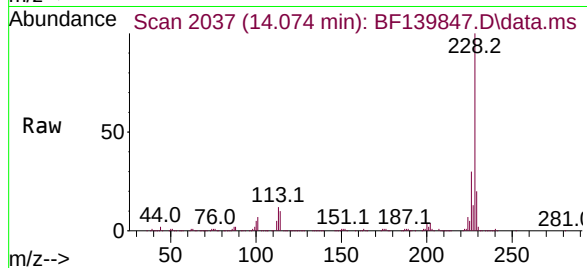
Tgt Ion:228 Resp: 496447

Ion Ratio Lower Upper

228 100

226 29.9 24.1 36.1

229 20.1 15.8 23.6



#84

Bis(2-ethylhexyl)phthalate

Concen: 19.606 ng

RT: 14.033 min Scan# 2030

Delta R.T. 0.000 min

Lab File: BF139847.D

Acq: 18 Oct 2024 11:52

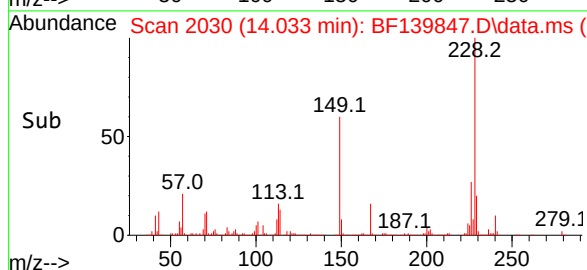
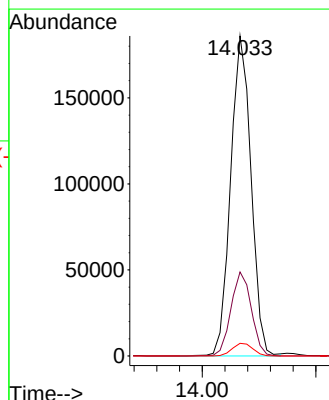
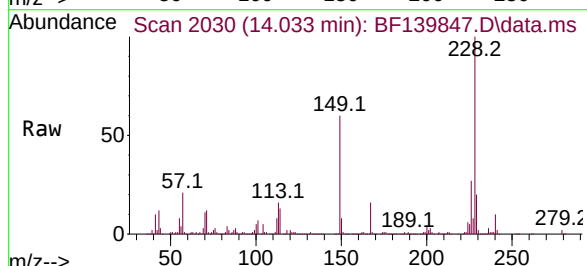
Tgt Ion:149 Resp: 232200

Ion Ratio Lower Upper

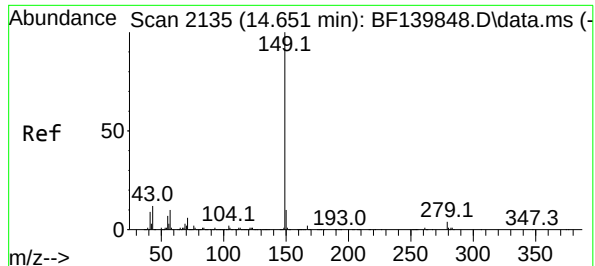
149 100

167 26.3 21.4 32.0

279 4.0 3.0 4.4



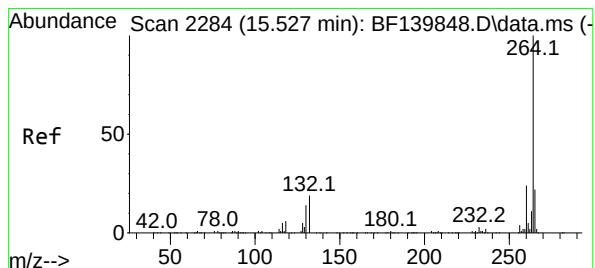
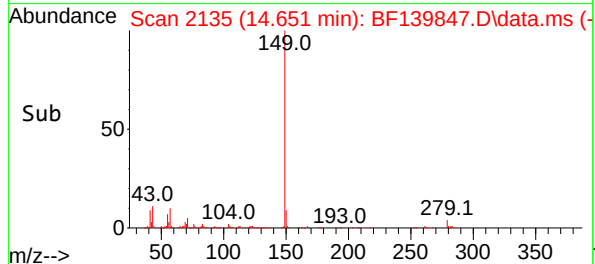
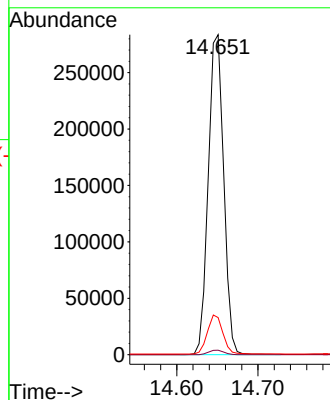
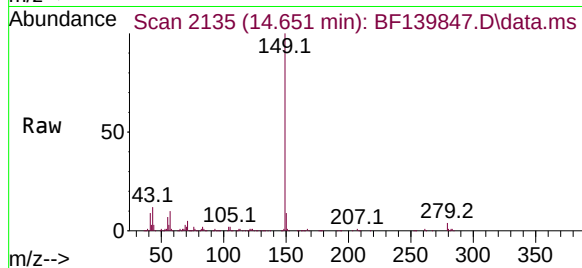




#85  
Di-n-octyl phthalate  
Concen: 17.359 ng  
RT: 14.651 min Scan# 2135  
Delta R.T. -0.000 min  
Lab File: BF139847.D  
Acq: 18 Oct 2024 11:52

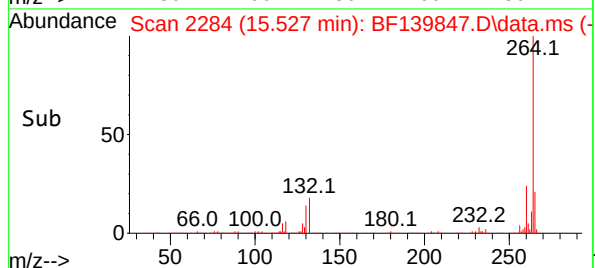
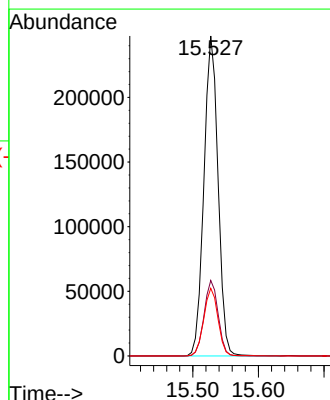
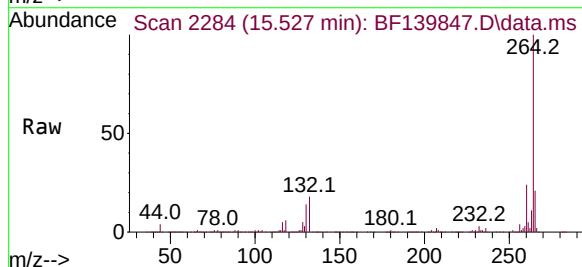
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC020

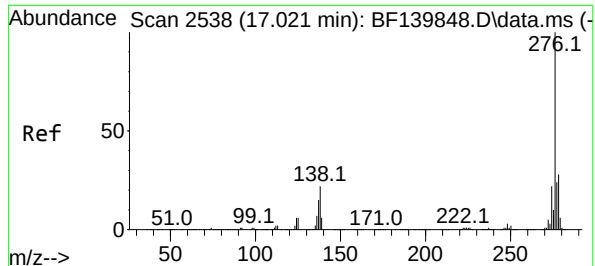
Tgt Ion:149 Resp: 373952  
Ion Ratio Lower Upper  
149 100  
167 1.4 1.2 1.8  
43 12.2 9.8 14.6



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.527 min Scan# 2284  
Delta R.T. 0.000 min  
Lab File: BF139847.D  
Acq: 18 Oct 2024 11:52

Tgt Ion:264 Resp: 371811  
Ion Ratio Lower Upper  
264 100  
260 23.6 19.4 29.2  
265 21.1 17.4 26.0

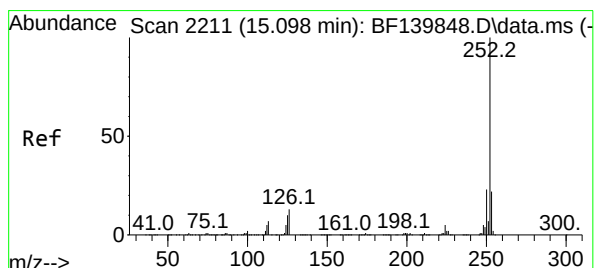
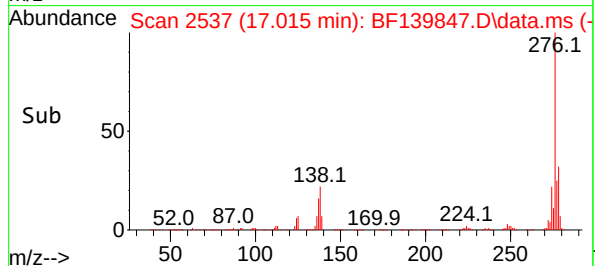
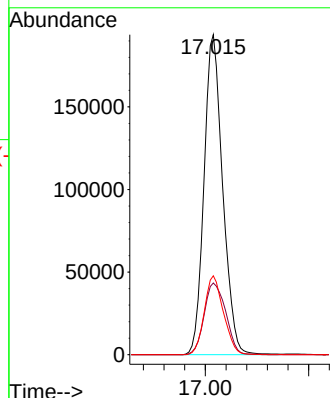
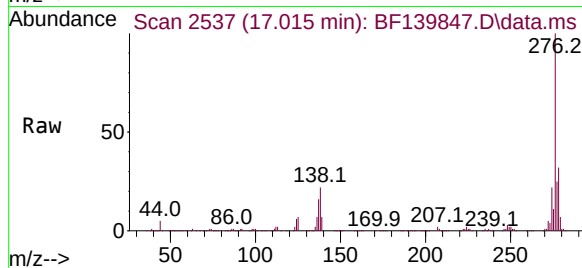




#87  
Indeno(1,2,3-cd)pyrene  
Concen: 20.312 ng  
RT: 17.015 min Scan# 2110  
Delta R.T. -0.006 min  
Lab File: BF139847.D  
Acq: 18 Oct 2024 11:52

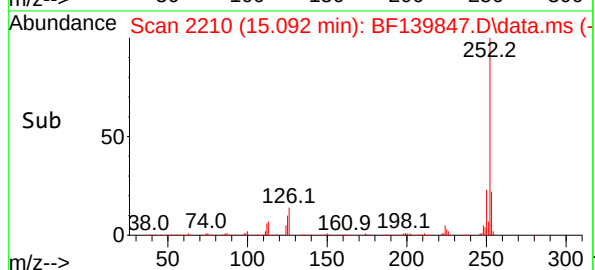
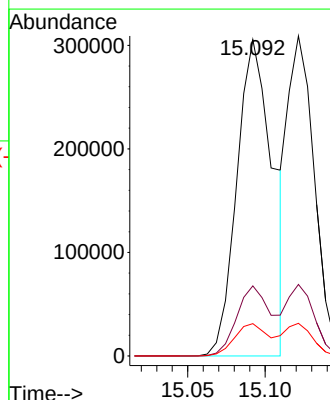
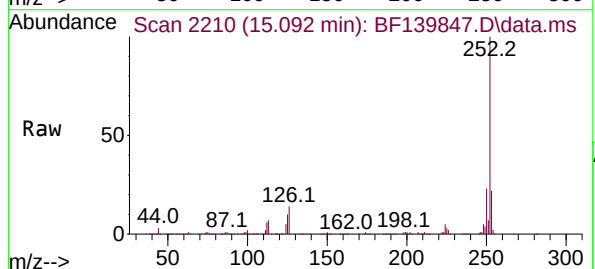
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC020

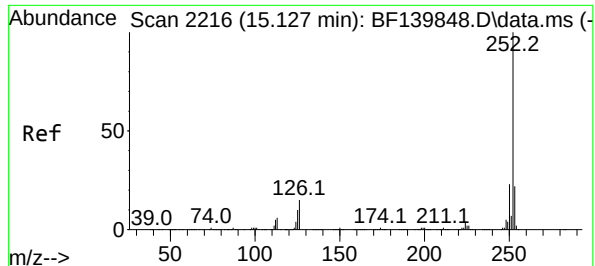
Tgt Ion:276 Resp: 485858  
Ion Ratio Lower Upper  
276 100  
138 25.9 20.4 30.6  
277 25.2 20.2 30.4



#88  
Benzo(b)fluoranthene  
Concen: 21.659 ng  
RT: 15.092 min Scan# 2210  
Delta R.T. -0.006 min  
Lab File: BF139847.D  
Acq: 18 Oct 2024 11:52

Tgt Ion:252 Resp: 490566  
Ion Ratio Lower Upper  
252 100  
253 22.2 17.6 26.4  
125 10.2 7.9 11.9





#89

Benzo(k)fluoranthene

Concen: 18.883 ng

RT: 15.121 min Scan# 2216

Delta R.T. -0.006 min

Lab File: BF139847.D

Acq: 18 Oct 2024 11:52

Instrument :

BNA\_F

ClientSampleId :

SSTDICC020

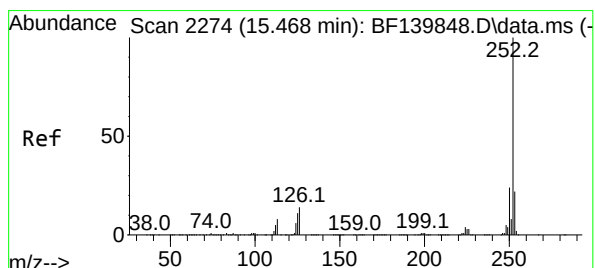
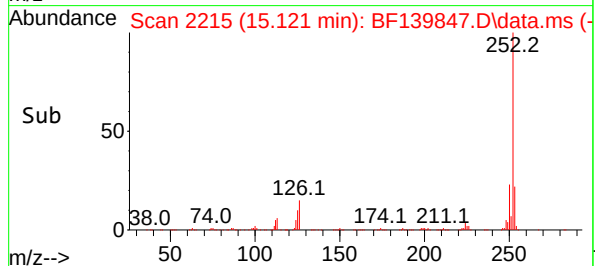
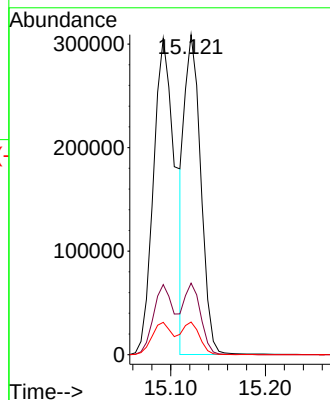
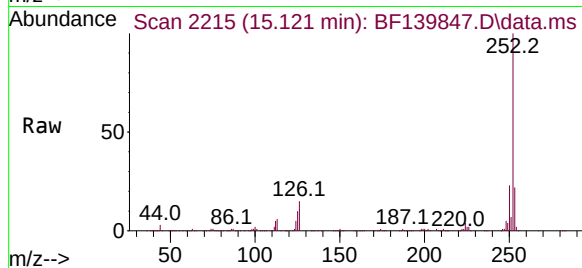
Tgt Ion:252 Resp: 368835

Ion Ratio Lower Upper

252 100

253 22.3 17.6 26.4

125 10.2 7.9 11.9



#90

Benzo(a)pyrene

Concen: 20.316 ng

RT: 15.463 min Scan# 2273

Delta R.T. -0.006 min

Lab File: BF139847.D

Acq: 18 Oct 2024 11:52

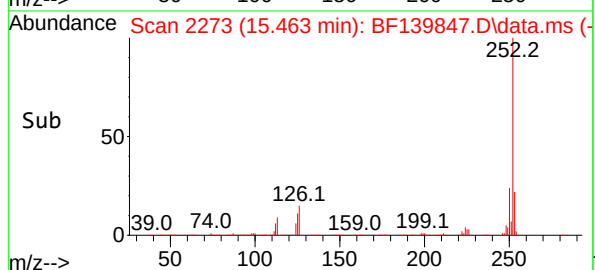
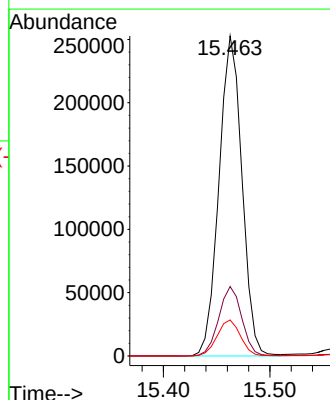
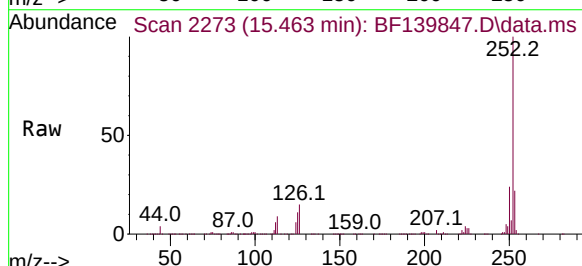
Tgt Ion:252 Resp: 378617

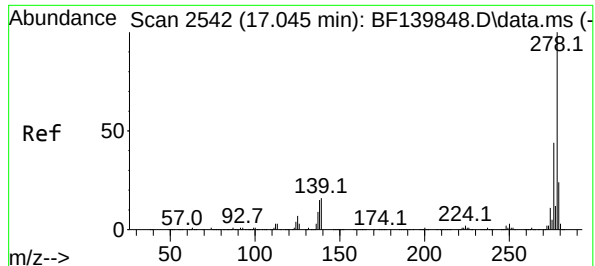
Ion Ratio Lower Upper

252 100

253 21.7 17.3 25.9

125 11.2 8.7 13.1

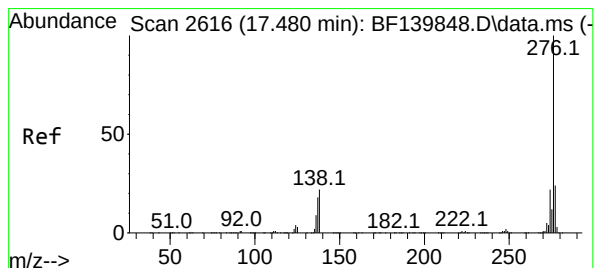
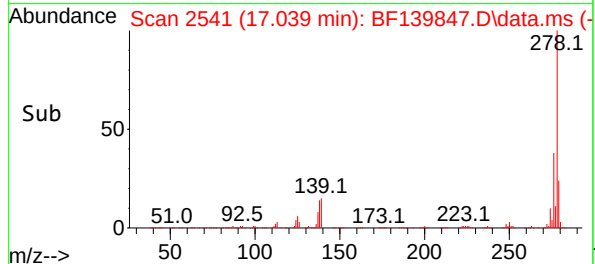
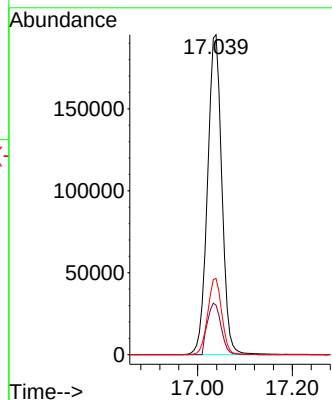
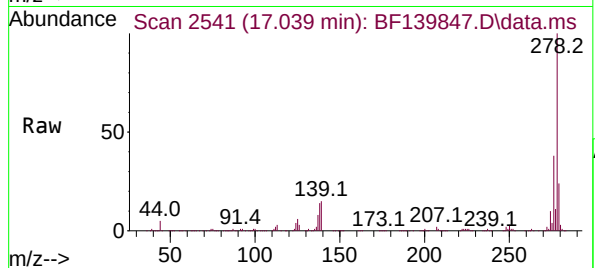




#91  
Dibenzo(a,h)anthracene  
Concen: 20.561 ng  
RT: 17.039 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: BF139847.D  
Acq: 18 Oct 2024 11:52

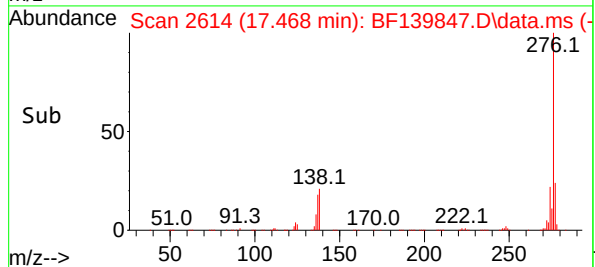
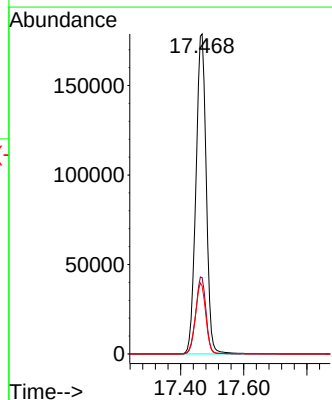
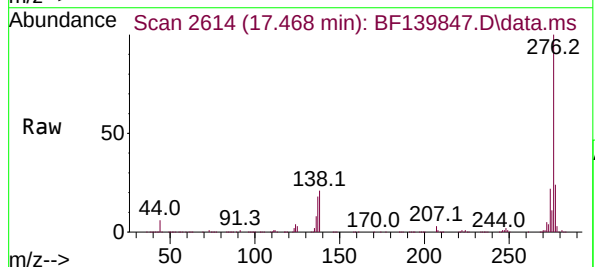
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC020

Tgt Ion:278 Resp: 410285  
Ion Ratio Lower Upper  
278 100  
139 15.4 13.1 19.7  
279 23.8 19.0 28.4



#92  
Benzo(g,h,i)perylene  
Concen: 20.326 ng  
RT: 17.468 min Scan# 2614  
Delta R.T. -0.012 min  
Lab File: BF139847.D  
Acq: 18 Oct 2024 11:52

Tgt Ion:276 Resp: 405140  
Ion Ratio Lower Upper  
276 100  
277 23.9 19.0 28.6  
138 21.2 17.4 26.0



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF101824\  
 Data File : BF139848.D  
 Acq On : 18 Oct 2024 12:20  
 Operator : RC/JU  
 Sample : SSTDICCC040  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDICCC040

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 10/21/2024  
 Supervised By :mohammad ahmed 10/21/2024

Quant Time: Oct 18 14:18:47 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101824.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Oct 18 14:11:20 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.892  | 152  | 181899   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.175  | 136  | 688880   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.927  | 164  | 379753   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.416 | 188  | 663459   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 14.051 | 240  | 345800   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12              | 15.527 | 264  | 365076   | 20.000 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.498  | 112  | 929569   | 80.002 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.510  | 99   | 1197998  | 79.607 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.451  | 82   | 1021808  | 82.209 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.716 | 330  | 285205   | 80.292 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.251  | 172  | 1764495  | 76.791 | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.998 | 244  | 1721125  | 81.103 | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.687  | 88   | 214958   | 39.679 | ng    | 100      |
| 3) Pyridine                   | 3.446  | 79   | 547145   | 40.746 | ng    | 100      |
| 4) n-Nitrosodimethylamine     | 3.398  | 42   | 293138   | 40.631 | ng    | 100      |
| 6) Aniline                    | 6.551  | 93   | 575402   | 41.026 | ng    | 100      |
| 8) 2-Chlorophenol             | 6.675  | 128  | 476614   | 40.124 | ng    | 100      |
| 9) Benzaldehyde               | 6.439  | 77   | 341959   | 40.393 | ng    | 100      |
| 10) Phenol                    | 6.522  | 94   | 622748m  | 39.429 | ng    |          |
| 11) bis(2-Chloroethyl)ether   | 6.628  | 93   | 470765   | 39.258 | ng    | 100      |
| 12) 1,3-Dichlorobenzene       | 6.834  | 146  | 545252   | 39.988 | ng    | 100      |
| 13) 1,4-Dichlorobenzene       | 6.910  | 146  | 541068   | 39.718 | ng    | 100      |
| 14) 1,2-Dichlorobenzene       | 7.063  | 146  | 501857   | 39.473 | ng    | 100      |
| 15) Benzyl Alcohol            | 7.028  | 79   | 441461   | 39.991 | ng    | 100      |
| 16) 2,2'-oxybis(1-Chloropr... | 7.169  | 45   | 820216   | 40.113 | ng    | 100      |
| 17) 2-Methylphenol            | 7.133  | 107  | 405109   | 39.996 | ng    | 100      |
| 18) Hexachloroethane          | 7.404  | 117  | 196637   | 40.478 | ng    | 100      |
| 19) n-Nitroso-di-n-propyla... | 7.304  | 70   | 354454   | 38.835 | ng    | 100      |
| 20) 3+4-Methylphenols         | 7.286  | 107  | 515857   | 39.818 | ng    | 100      |
| 22) Acetophenone              | 7.298  | 105  | 663304   | 39.312 | ng    | 100      |
| 24) Nitrobenzene              | 7.475  | 77   | 555115   | 40.735 | ng    | 100      |
| 25) Isophorone                | 7.710  | 82   | 935400   | 39.651 | ng    | 100      |
| 26) 2-Nitrophenol             | 7.786  | 139  | 216916   | 42.193 | ng    | 100      |
| 27) 2,4-Dimethylphenol        | 7.816  | 122  | 341985   | 39.894 | ng    | 100      |
| 28) bis(2-Chloroethoxy)met... | 7.922  | 93   | 567188   | 39.683 | ng    | 100      |
| 29) 2,4-Dichlorophenol        | 8.022  | 162  | 390330   | 39.976 | ng    | 100      |
| 30) 1,2,4-Trichlorobenzene    | 8.116  | 180  | 434274   | 40.195 | ng    | 100      |
| 31) Naphthalene               | 8.198  | 128  | 1409796  | 39.681 | ng    | 100      |
| 32) Benzoic acid              | 7.922  | 122  | 302443   | 40.451 | ng    | 100      |
| 33) 4-Chloroaniline           | 8.239  | 127  | 483982   | 39.950 | ng    | 100      |
| 34) Hexachlorobutadiene       | 8.316  | 225  | 271315   | 39.967 | ng    | 100      |
| 35) Caprolactam               | 8.610  | 113  | 126585   | 40.772 | ng    | 100      |
| 36) 4-Chloro-3-methylphenol   | 8.710  | 107  | 433727   | 40.116 | ng    | 100      |
| 37) 2-Methylnaphthalene       | 8.886  | 142  | 856111   | 39.345 | ng    | 100      |
| 38) 1-Methylnaphthalene       | 8.986  | 142  | 842638   | 39.471 | ng    | 100      |
| 40) 1,2,4,5-Tetrachloroben... | 9.051  | 216  | 407511   | 39.776 | ng    | 100      |
| 41) Hexachlorocyclopentadiene | 9.039  | 237  | 150540   | 42.229 | ng    | 100      |
| 43) 2,4,6-Trichlorophenol     | 9.157  | 196  | 293577   | 40.474 | ng    | 100      |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF101824\  
 Data File : BF139848.D  
 Acq On : 18 Oct 2024 12:20  
 Operator : RC/JU  
 Sample : SSTDICCC040  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDICCC040

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 10/21/2024  
 Supervised By :mohammad ahmed 10/21/2024

Quant Time: Oct 18 14:18:47 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101824.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Oct 18 14:11:20 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.192  | 196  | 304213   | 40.651 | ng    | 100      |
| 46) 1,1'-Biphenyl             | 9.351  | 154  | 1047094  | 39.608 | ng    | 100      |
| 47) 2-Chloronaphthalene       | 9.375  | 162  | 843452   | 39.613 | ng    | 100      |
| 48) 2-Nitroaniline            | 9.463  | 65   | 277165   | 42.562 | ng    | 100      |
| 49) Acenaphthylene            | 9.792  | 152  | 1226273  | 39.837 | ng    | 100      |
| 50) Dimethylphthalate         | 9.651  | 163  | 939670   | 39.726 | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 9.710  | 165  | 212956   | 41.580 | ng    | 100      |
| 52) Acenaphthene              | 9.963  | 154  | 792756   | 39.811 | ng    | 100      |
| 53) 3-Nitroaniline            | 9.874  | 138  | 222098   | 42.051 | ng    | 100      |
| 54) 2,4-Dinitrophenol         | 9.974  | 184  | 76948    | 39.739 | ng    | 100      |
| 55) Dibenzofuran              | 10.133 | 168  | 1128670  | 39.505 | ng    | 100      |
| 56) 4-Nitrophenol             | 10.022 | 139  | 175913   | 43.292 | ng    | 100      |
| 57) 2,4-Dinitrotoluene        | 10.110 | 165  | 270604   | 42.965 | ng    | 100      |
| 58) Fluorene                  | 10.474 | 166  | 843048   | 38.742 | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol | 10.245 | 232  | 235175   | 40.087 | ng    | 100      |
| 60) Diethylphthalate          | 10.351 | 149  | 922384   | 39.715 | ng    | 100      |
| 61) 4-Chlorophenyl-phenyle... | 10.469 | 204  | 432393   | 39.347 | ng    | 100      |
| 62) 4-Nitroaniline            | 10.486 | 138  | 208926   | 41.884 | ng    | 100      |
| 63) Azobenzene                | 10.627 | 77   | 991989   | 40.289 | ng    | 100      |
| 65) 4,6-Dinitro-2-methylph... | 10.516 | 198  | 115824   | 42.799 | ng    | 100      |
| 66) n-Nitrosodiphenylamine    | 10.586 | 169  | 789753   | 39.772 | ng    | 100      |
| 67) 4-Bromophenyl-phenylether | 10.957 | 248  | 268509   | 39.285 | ng    | 100      |
| 68) Hexachlorobenzene         | 11.021 | 284  | 306919   | 39.927 | ng    | 100      |
| 69) Atrazine                  | 11.110 | 200  | 232078   | 43.145 | ng    | 100      |
| 70) Pentachlorophenol         | 11.210 | 266  | 201559   | 43.204 | ng    | 100      |
| 71) Phenanthrene              | 11.439 | 178  | 1238155  | 39.508 | ng    | 100      |
| 72) Anthracene                | 11.492 | 178  | 1211718  | 39.628 | ng    | 100      |
| 73) Carbazole                 | 11.639 | 167  | 1122566  | 39.475 | ng    | 100      |
| 74) Di-n-butylphthalate       | 11.974 | 149  | 1345878  | 40.965 | ng    | 100      |
| 75) Fluoranthene              | 12.627 | 202  | 1251202  | 39.493 | ng    | 100      |
| 77) Benzidine                 | 12.745 | 184  | 252893   | 44.967 | ng    | 100      |
| 78) Pyrene                    | 12.857 | 202  | 1248309  | 41.241 | ng    | 100      |
| 80) Butylbenzylphthalate      | 13.474 | 149  | 383831   | 42.297 | ng    | 100      |
| 81) Benzo(a)anthracene        | 14.039 | 228  | 920698   | 40.901 | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine    | 14.004 | 252  | 267769   | 40.798 | ng    | 100      |
| 83) Chrysene                  | 14.080 | 228  | 806950   | 39.098 | ng    | 100      |
| 84) Bis(2-ethylhexyl)phtha... | 14.033 | 149  | 432750   | 42.504 | ng    | 100      |
| 85) Di-n-octyl phthalate      | 14.651 | 149  | 785179   | 42.399 | ng    | 100      |
| 87) Indeno(1,2,3-cd)pyrene    | 17.021 | 276  | 987345   | 42.039 | ng    | 100      |
| 88) Benzo(b)fluoranthene      | 15.098 | 252  | 873168   | 39.263 | ng    | 100      |
| 89) Benzo(k)fluoranthene      | 15.127 | 252  | 778470   | 40.589 | ng    | 100      |
| 90) Benzo(a)pyrene            | 15.468 | 252  | 748507   | 40.905 | ng    | 100      |
| 91) Dibenzo(a,h)anthracene    | 17.045 | 278  | 818044   | 41.752 | ng    | 100      |
| 92) Benzo(g,h,i)perylene      | 17.480 | 276  | 823727   | 42.090 | ng    | 100      |

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

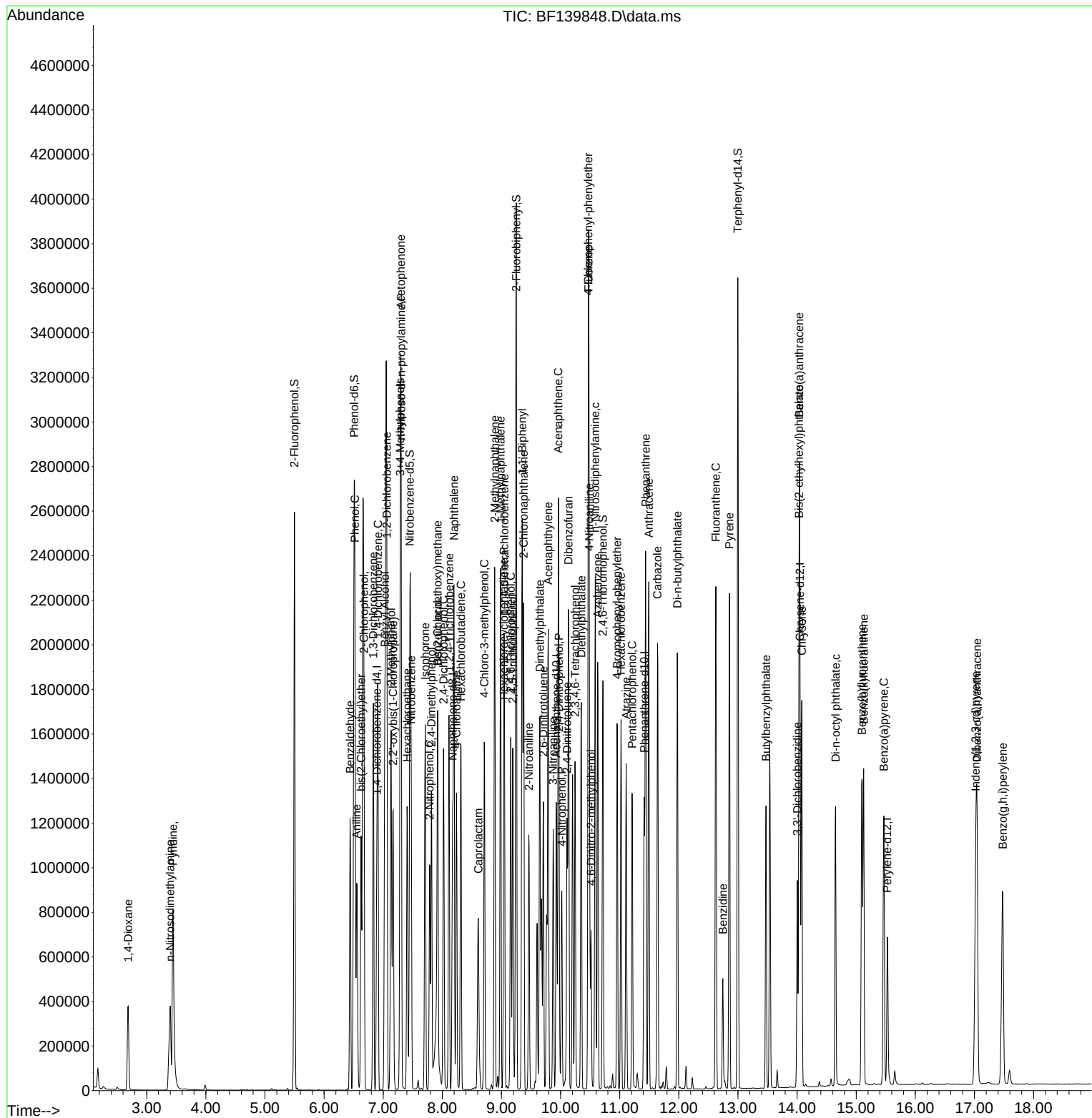
Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF101824\  
Data File : BF139848.D  
Acq On : 18 Oct 2024 12:20  
Operator : RC/JU  
Sample : SSTIDICC040  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

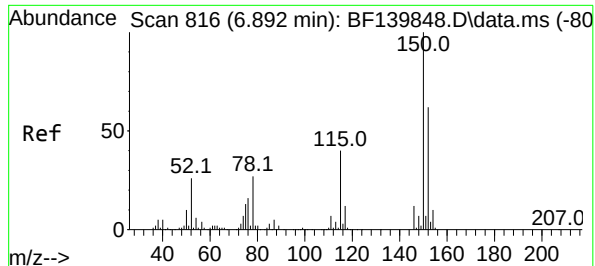
**Instrument :**  
BNA\_F  
**ClientSampleId :**  
SSTDICCC040

## Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/21/2024  
Supervised By :mohammad ahmed 10/21/2024

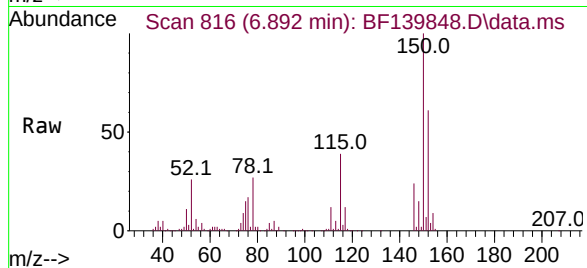
Quant Time: Oct 18 14:18:47 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101824.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Oct 18 14:11:20 2024  
Response via : Initial Calibration





#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.892 min Scan# 816  
Delta R.T. 0.000 min  
Lab File: BF139848.D  
Acq: 18 Oct 2024 12:20

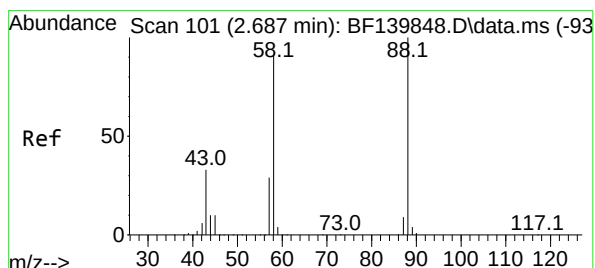
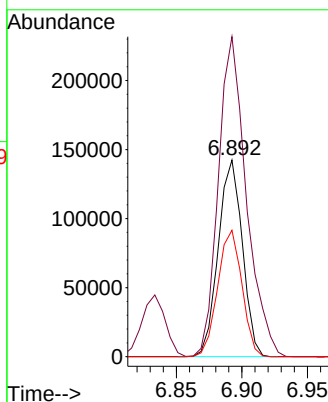
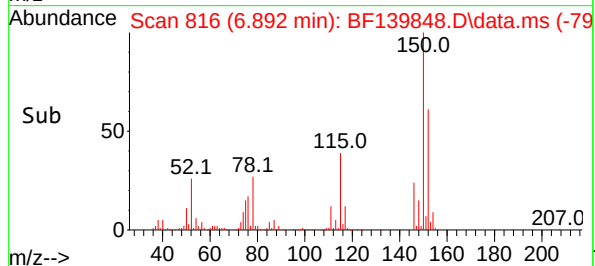
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICCC040



Tgt Ion:152 Resp: 181899  
Ion Ratio Lower Upper  
152 100  
150 162.7 130.2 195.2  
115 64.3 51.4 77.2

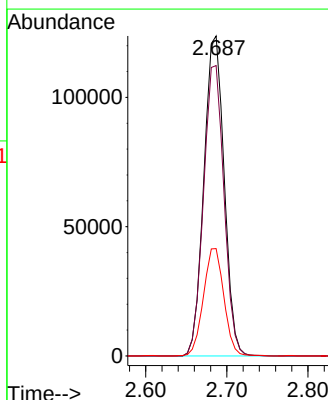
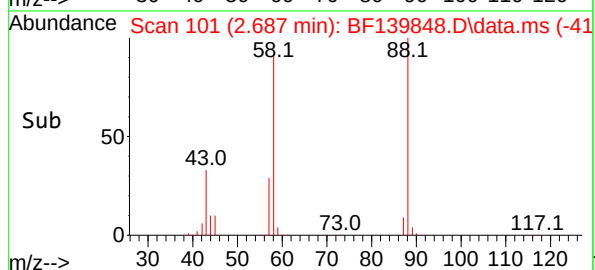
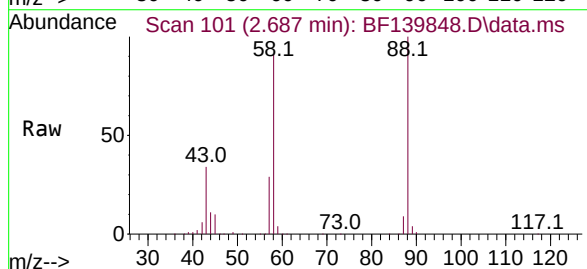
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 10/21/2024  
Supervised By :mohammad ahmed 10/21/2024

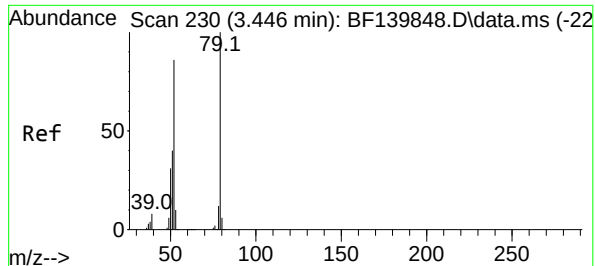


#2  
1,4-Dioxane  
Concen: 39.679 ng  
RT: 2.687 min Scan# 101  
Delta R.T. 0.000 min  
Lab File: BF139848.D  
Acq: 18 Oct 2024 12:20

Tgt Ion: 88 Resp: 214958  
Ion Ratio Lower Upper  
88 100  
58 91.6 73.3 109.9  
43 33.9 27.1 40.7







#3

Pyridine

Concen: 40.746 ng

RT: 3.446 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF139848.D

Acq: 18 Oct 2024 12:20

Instrument :

BNA\_F

ClientSampleId :

SSTDICCC040

Tgt Ion: 79 Resp: 54714

Ion Ratio Lower Upper

79 100

52 85.6 68.5 102.7

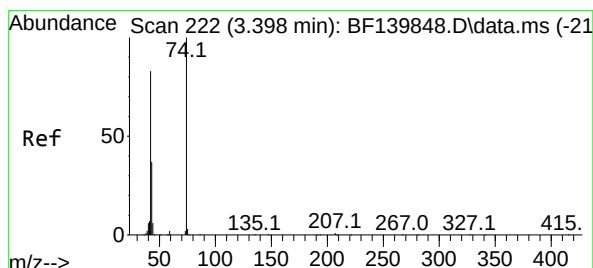
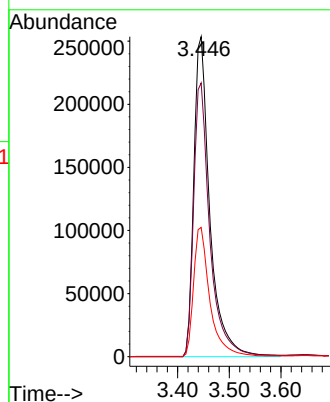
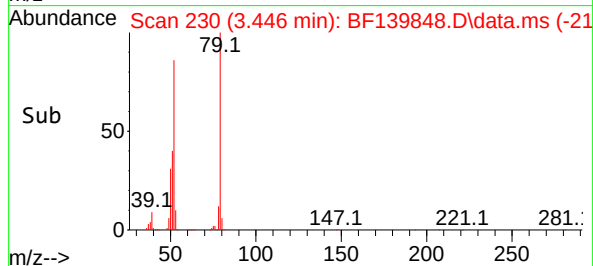
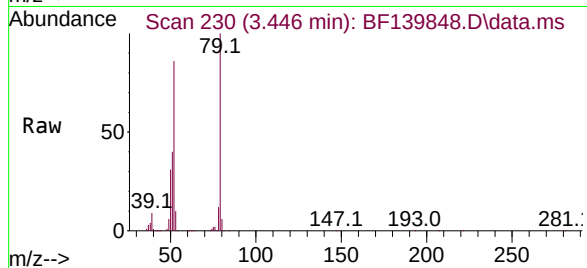
51 40.4 32.3 48.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#4

n-Nitrosodimethylamine

Concen: 40.631 ng

RT: 3.398 min Scan# 222

Delta R.T. 0.000 min

Lab File: BF139848.D

Acq: 18 Oct 2024 12:20

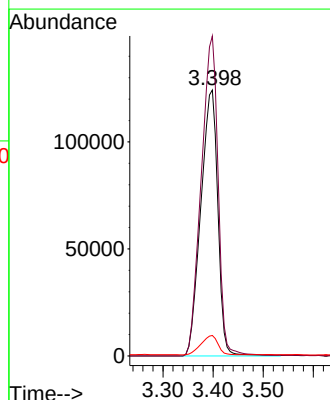
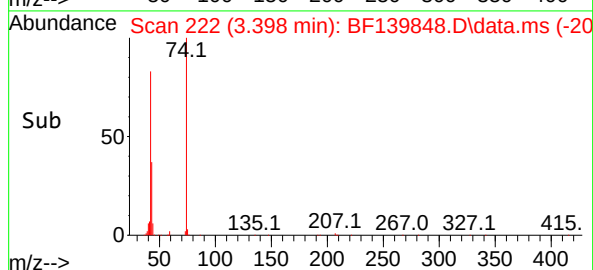
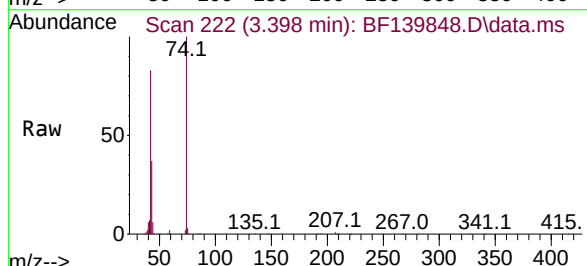
Tgt Ion: 42 Resp: 293138

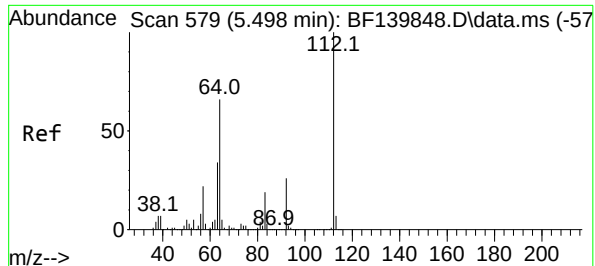
Ion Ratio Lower Upper

42 100

74 120.3 96.2 144.4

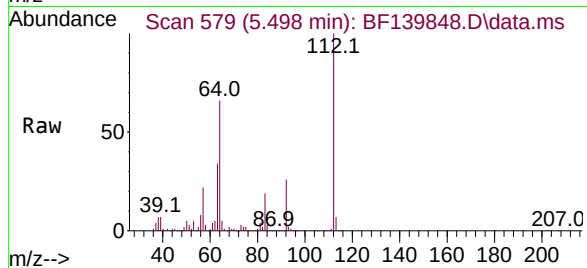
44 7.7 6.2 9.2





#5  
2-Fluorophenol  
Concen: 80.002 ng  
RT: 5.498 min Scan# 579  
Delta R.T. 0.000 min  
Lab File: BF139848.D  
Acq: 18 Oct 2024 12:20

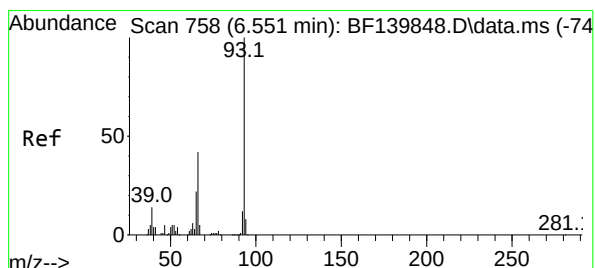
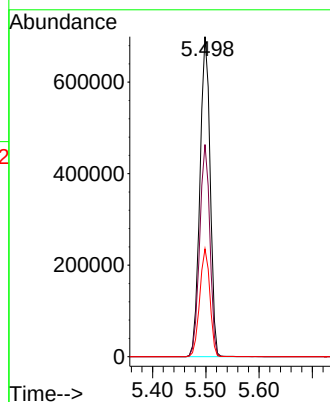
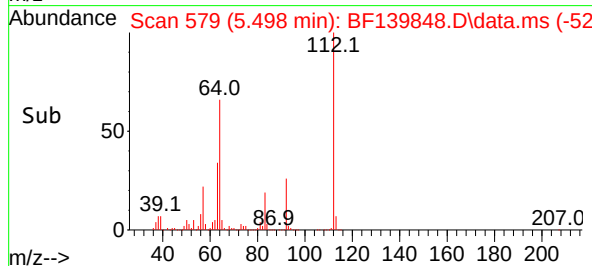
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICCC040



Tgt Ion: 112 Resp: 929569  
Ion Ratio Lower Upper  
112 100  
64 66.3 53.0 79.6  
63 33.7 27.0 40.4

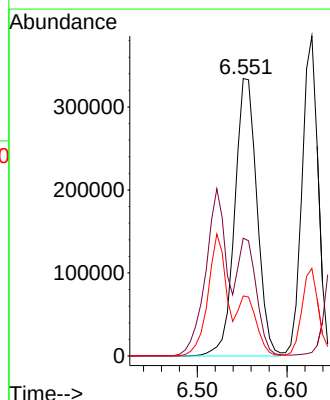
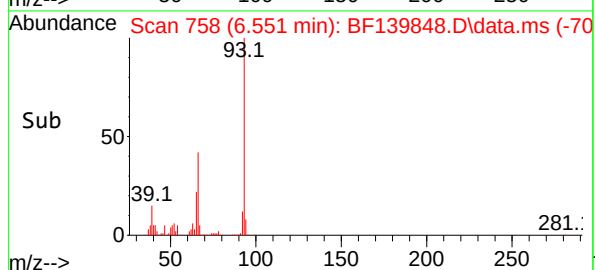
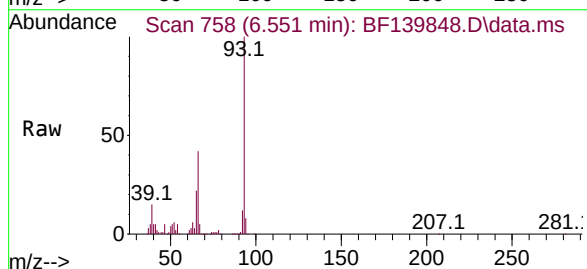
Manual Integrations  
APPROVED

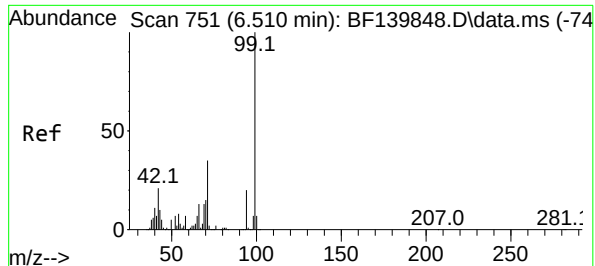
Reviewed By :Yogesh Patel 10/21/2024  
Supervised By :mohammad ahmed 10/21/2024



#6  
Aniline  
Concen: 41.026 ng  
RT: 6.551 min Scan# 758  
Delta R.T. 0.000 min  
Lab File: BF139848.D  
Acq: 18 Oct 2024 12:20

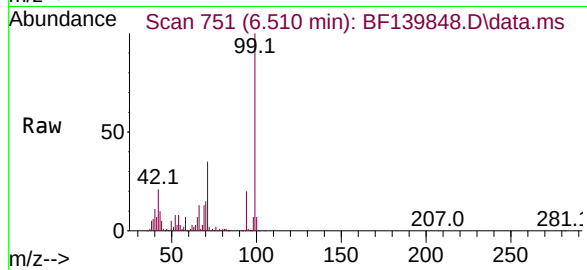
Tgt Ion: 93 Resp: 575402  
Ion Ratio Lower Upper  
93 100  
66 42.5 34.0 51.0  
65 21.7 17.4 26.0





#7  
Phenol-d6  
Concen: 79.607 ng  
RT: 6.510 min Scan# 751  
Delta R.T. 0.000 min  
Lab File: BF139848.D  
Acq: 18 Oct 2024 12:20

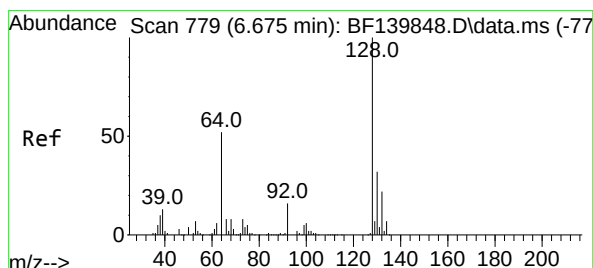
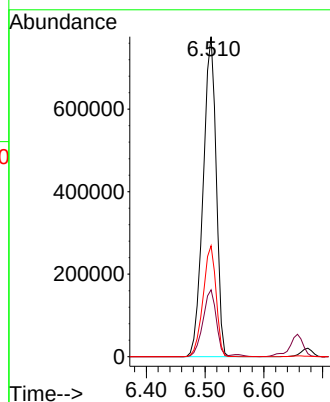
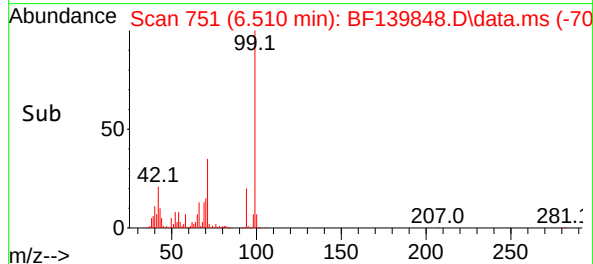
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICCC040



Tgt Ion: 99 Resp: 1197998  
Ion Ratio Lower Upper  
99 100  
42 20.9 16.7 25.1  
71 34.6 27.7 41.5

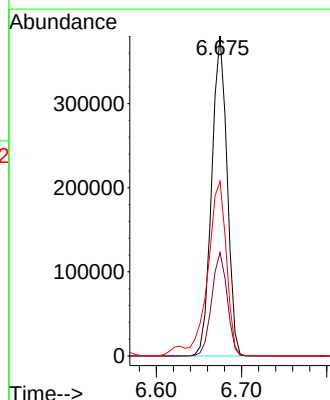
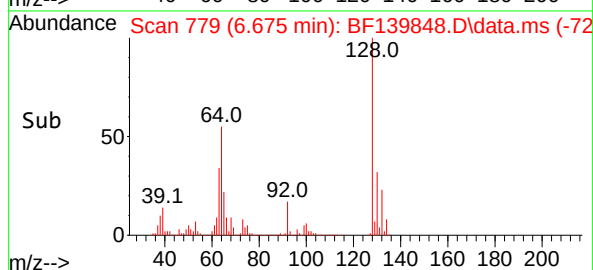
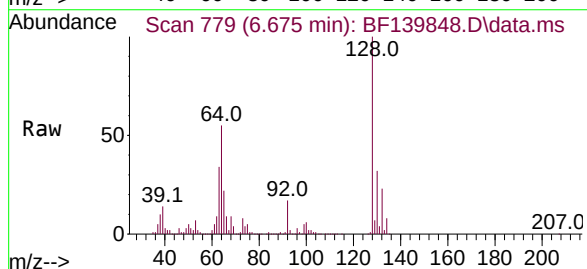
Manual Integrations  
APPROVED

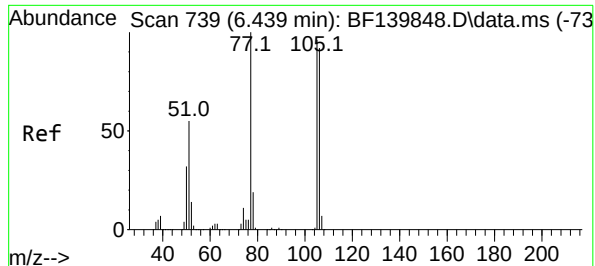
Reviewed By :Yogesh Patel 10/21/2024  
Supervised By :mohammad ahmed 10/21/2024



#8  
2-Chlorophenol  
Concen: 40.124 ng  
RT: 6.675 min Scan# 779  
Delta R.T. 0.000 min  
Lab File: BF139848.D  
Acq: 18 Oct 2024 12:20

Tgt Ion:128 Resp: 476614  
Ion Ratio Lower Upper  
128 100  
130 32.3 12.3 52.3  
64 54.6 34.6 74.6





#9

Benzaldehyde

Concen: 40.393 ng

RT: 6.439 min Scan# 739

Delta R.T. 0.000 min

Lab File: BF139848.D

Acq: 18 Oct 2024 12:20

Instrument :

BNA\_F

ClientSampleId :

SSTDICCC040

Tgt Ion: 77 Resp: 341958

Ion Ratio Lower Upper

77 100

105 95.5 75.5 115.5

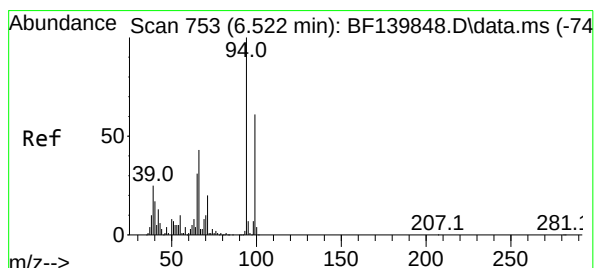
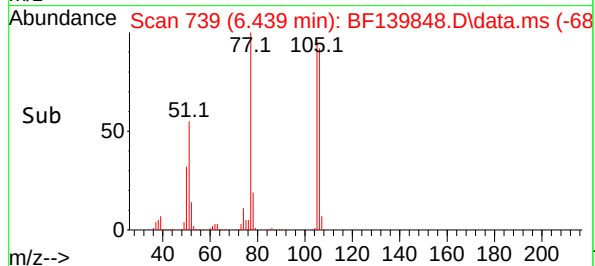
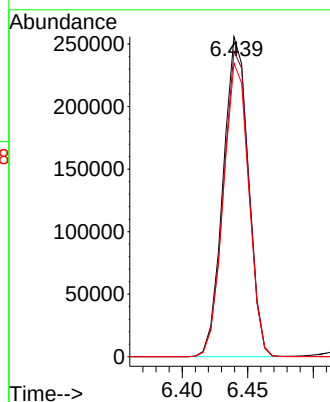
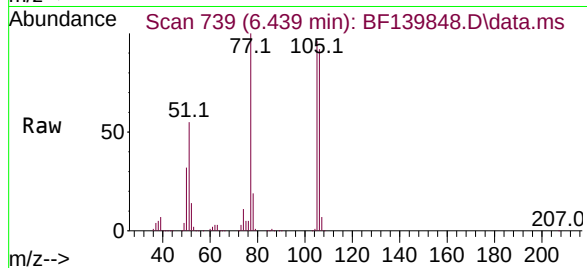
106 91.7 71.7 111.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#10

Phenol

Concen: 39.429 ng m

RT: 6.522 min Scan# 753

Delta R.T. 0.000 min

Lab File: BF139848.D

Acq: 18 Oct 2024 12:20

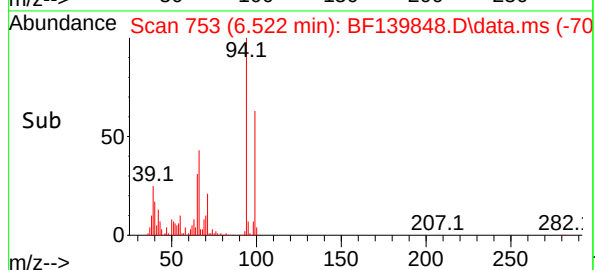
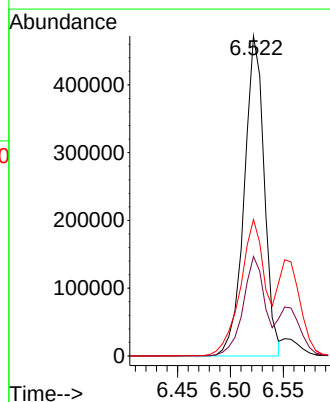
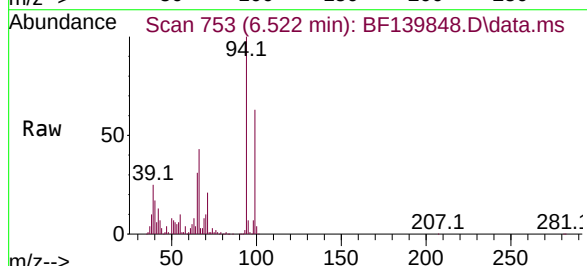
Tgt Ion: 94 Resp: 622748

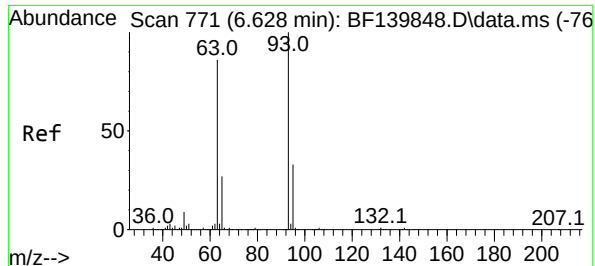
Ion Ratio Lower Upper

94 100

65 31.1 11.1 51.1

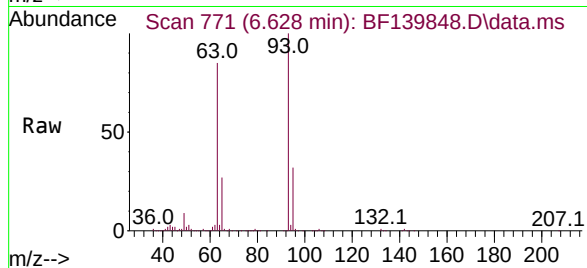
66 42.7 22.7 62.7





#11  
bis(2-Chloroethyl)ether  
Concen: 39.258 ng  
RT: 6.628 min Scan# 771  
Delta R.T. 0.000 min  
Lab File: BF139848.D  
Acq: 18 Oct 2024 12:20

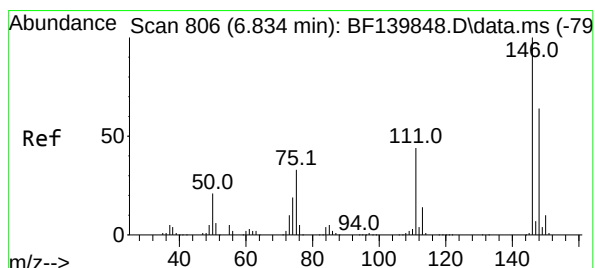
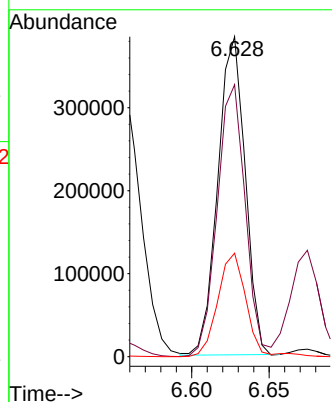
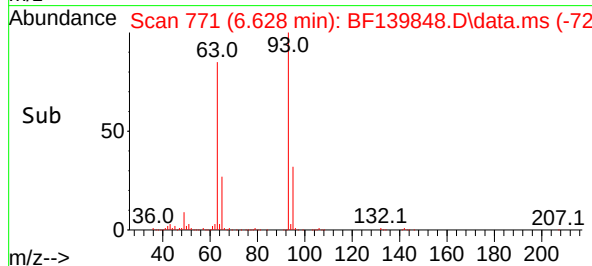
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICCC040



Tgt Ion: 93 Resp: 47076  
Ion Ratio Lower Upper  
93 100  
63 85.0 65.0 105.0  
95 32.4 12.4 52.4

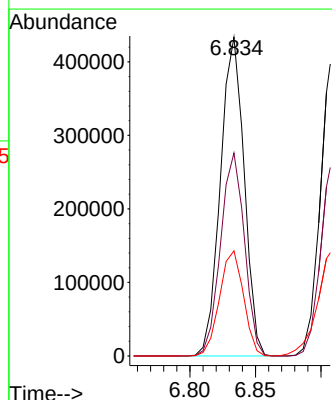
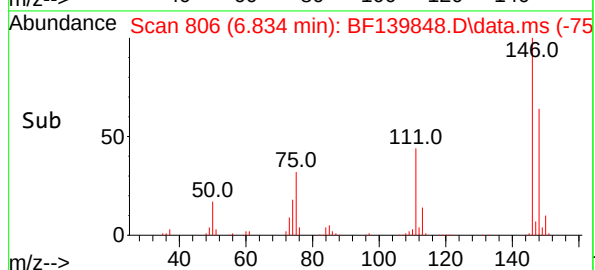
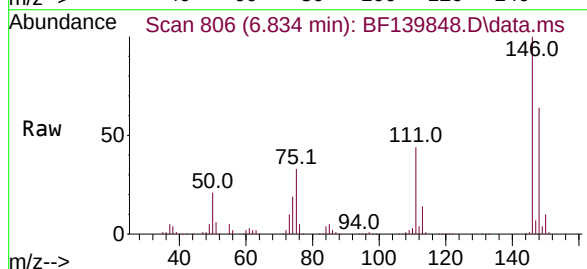
Manual Integrations  
APPROVED

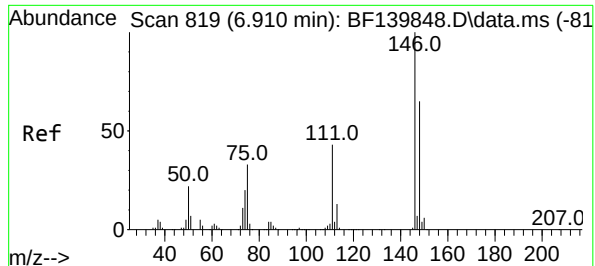
Reviewed By :Yogesh Patel 10/21/2024  
Supervised By :mohammad ahmed 10/21/2024



#12  
1,3-Dichlorobenzene  
Concen: 39.988 ng  
RT: 6.834 min Scan# 806  
Delta R.T. 0.000 min  
Lab File: BF139848.D  
Acq: 18 Oct 2024 12:20

Tgt Ion:146 Resp: 545252  
Ion Ratio Lower Upper  
146 100  
148 63.7 51.0 76.4  
75 33.0 26.4 39.6





#13

1,4-Dichlorobenzene

Concen: 39.718 ng

RT: 6.910 min Scan# 819

Delta R.T. 0.000 min

Lab File: BF139848.D

Acq: 18 Oct 2024 12:20

Instrument :

BNA\_F

ClientSampleId :

SSTDICCC040

Tgt Ion:146 Resp: 541068

Ion Ratio Lower Upper

146 100

148 64.8 51.8 77.8

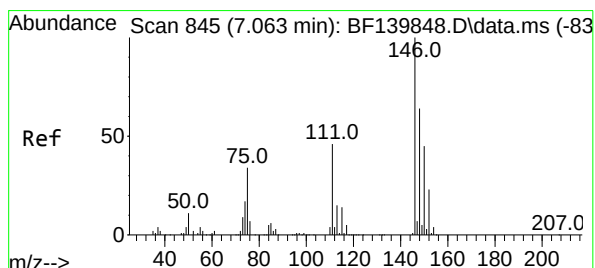
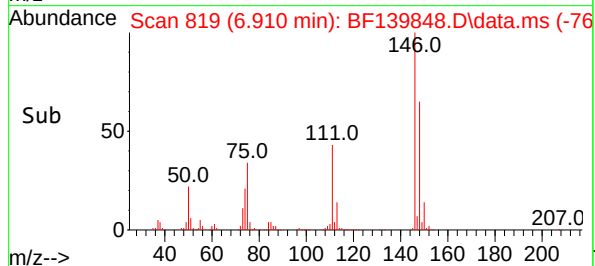
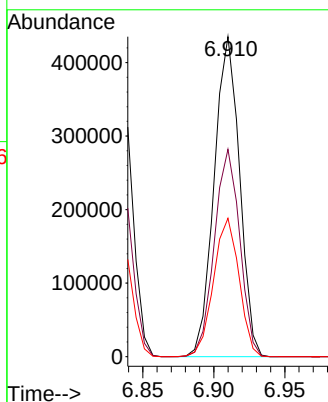
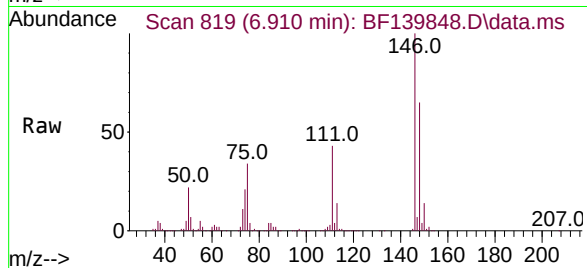
111 43.2 34.6 51.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#14

1,2-Dichlorobenzene

Concen: 39.473 ng

RT: 7.063 min Scan# 845

Delta R.T. 0.000 min

Lab File: BF139848.D

Acq: 18 Oct 2024 12:20

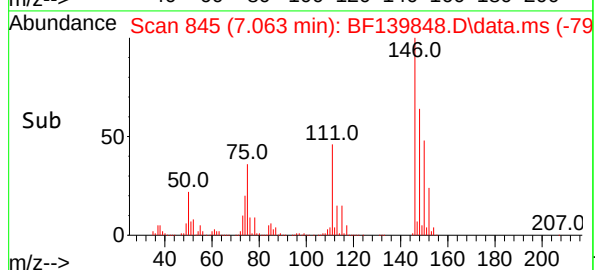
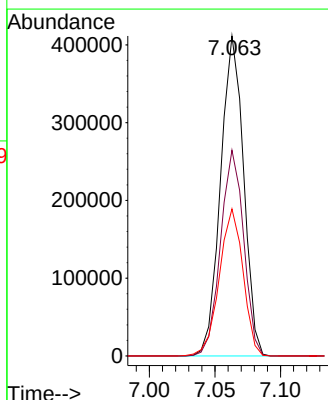
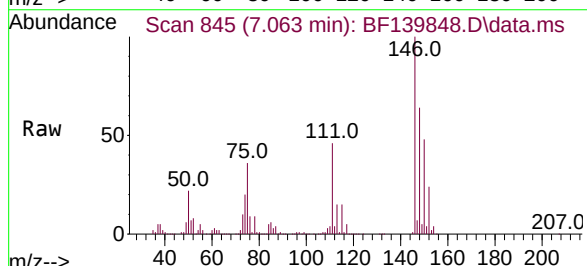
Tgt Ion:146 Resp: 501857

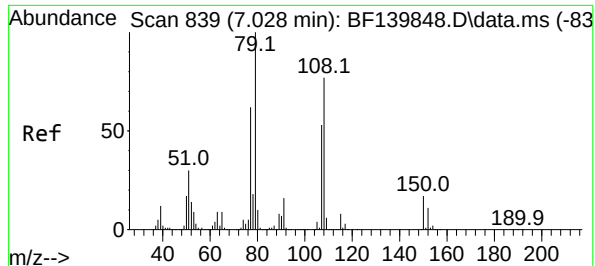
Ion Ratio Lower Upper

146 100

148 64.3 51.4 77.2

111 45.9 36.7 55.1





#15

Benzyl Alcohol

Concen: 39.991 ng

RT: 7.028 min Scan# 839

Delta R.T. 0.000 min

Lab File: BF139848.D

Acq: 18 Oct 2024 12:20

Instrument :

BNA\_F

ClientSampleId :

SSTDICCC040

Tgt Ion: 79 Resp: 44146

Ion Ratio Lower Upper

79 100

108 76.7 61.4 92.0

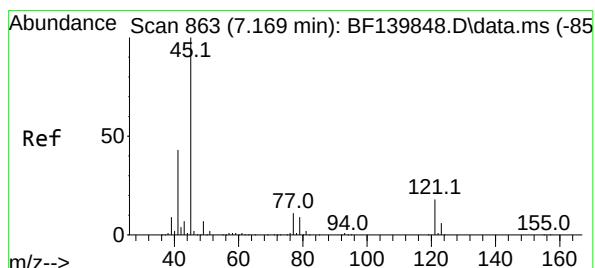
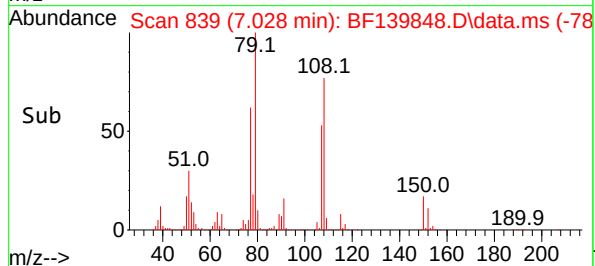
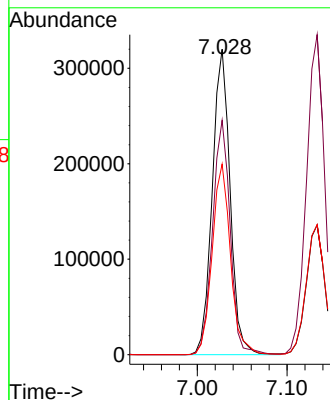
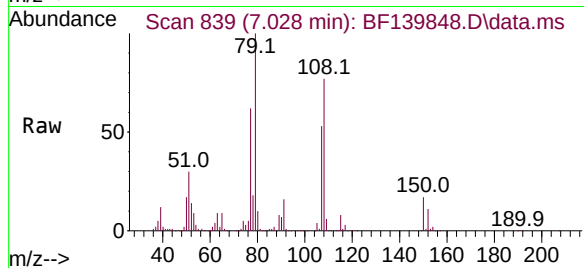
77 62.4 49.9 74.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#16

2,2'-oxybis(1-Chloropropane)

Concen: 40.113 ng

RT: 7.169 min Scan# 863

Delta R.T. 0.000 min

Lab File: BF139848.D

Acq: 18 Oct 2024 12:20

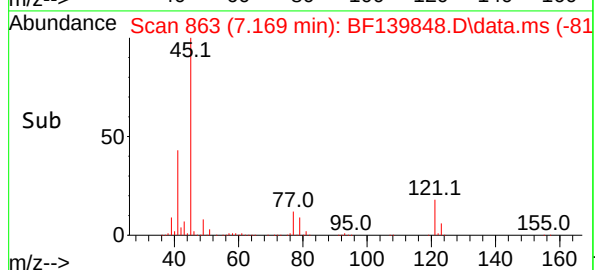
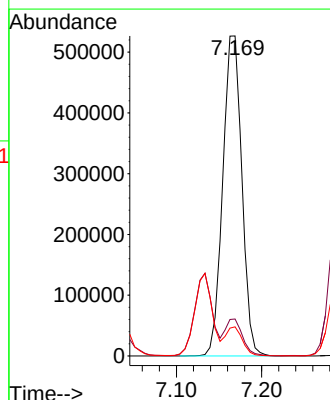
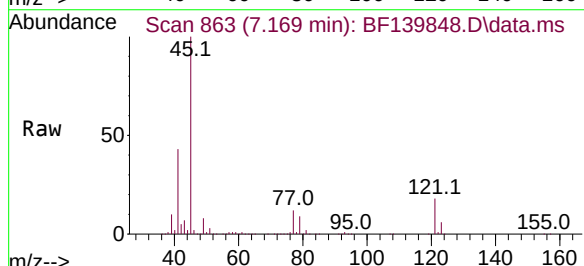
Tgt Ion: 45 Resp: 820216

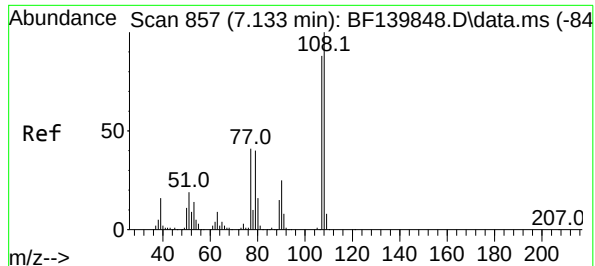
Ion Ratio Lower Upper

45 100

77 11.5 0.0 31.5

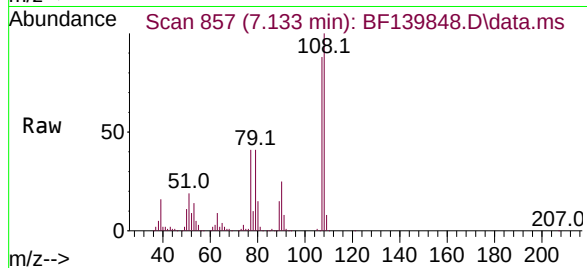
79 9.1 0.0 29.1





#17  
2-Methylphenol  
Concen: 39.996 ng  
RT: 7.133 min Scan# 857  
Delta R.T. 0.000 min  
Lab File: BF139848.D  
Acq: 18 Oct 2024 12:20

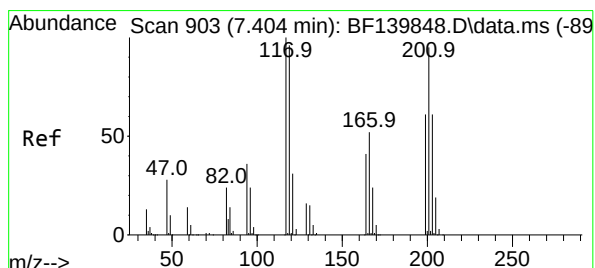
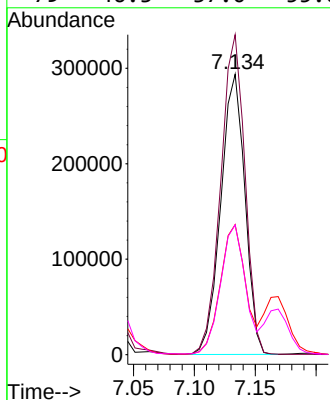
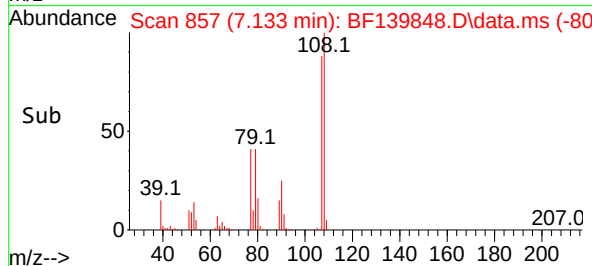
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICCC040



Tgt Ion:107 Resp: 405109  
Ion Ratio Lower Upper  
107 100  
108 114.1 91.3 136.9  
77 46.4 37.1 55.7  
79 46.3 37.0 55.6

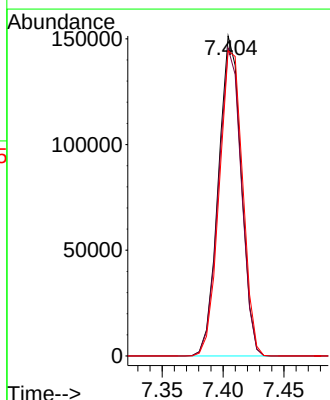
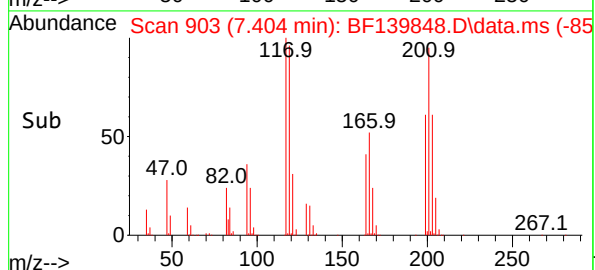
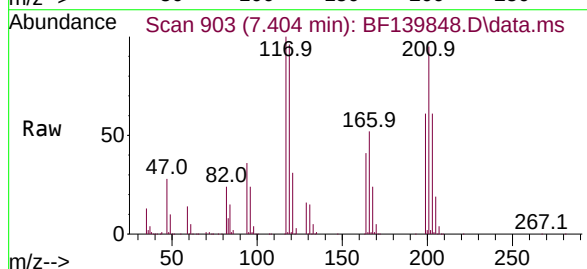
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 10/21/2024  
Supervised By :mohammad ahmed 10/21/2024

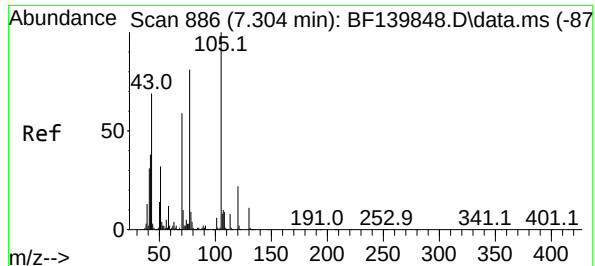


#18  
Hexachloroethane  
Concen: 40.478 ng  
RT: 7.404 min Scan# 903  
Delta R.T. 0.000 min  
Lab File: BF139848.D  
Acq: 18 Oct 2024 12:20

Tgt Ion:117 Resp: 196637  
Ion Ratio Lower Upper  
117 100  
119 96.2 77.0 115.4  
201 95.3 76.2 114.4







#19

n-Nitroso-di-n-propylamine

Concen: 38.835 ng

RT: 7.304 min Scan# 886

Delta R.T. 0.000 min

Lab File: BF139848.D

Acq: 18 Oct 2024 12:20

Instrument :

BNA\_F

ClientSampleId :

SSTDICCC040

Tgt Ion: 70 Resp: 354454

Ion Ratio Lower Upper

70 100

42 64.4 51.5 77.3

101 9.4 7.5 11.3

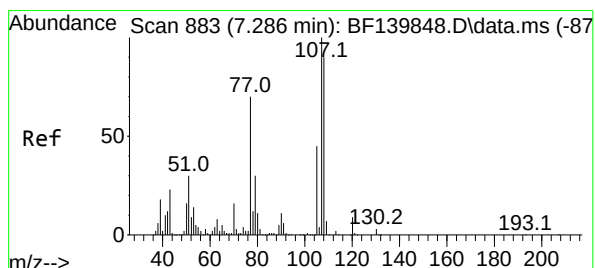
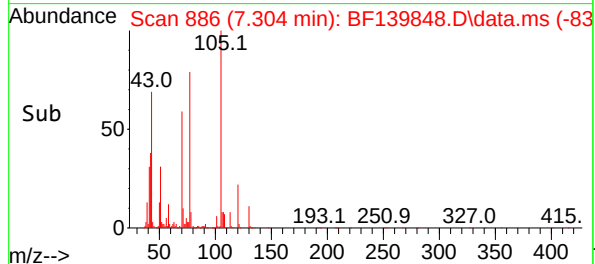
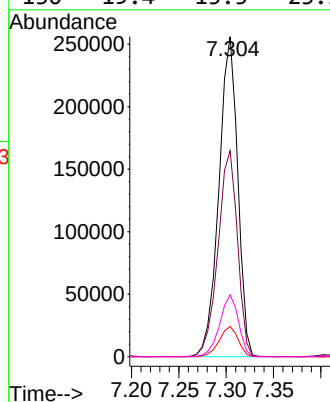
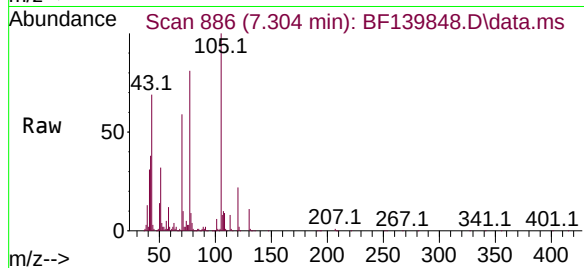
130 19.4 15.5 23.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#20

3+4-Methylphenols

Concen: 39.818 ng

RT: 7.286 min Scan# 883

Delta R.T. 0.000 min

Lab File: BF139848.D

Acq: 18 Oct 2024 12:20

Tgt Ion:107 Resp: 515857

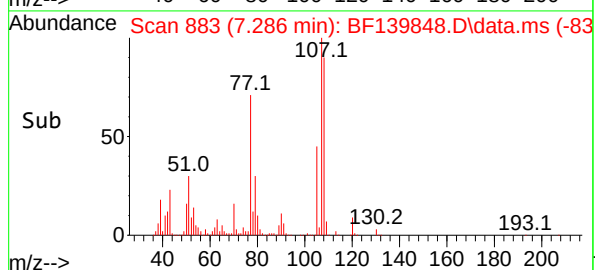
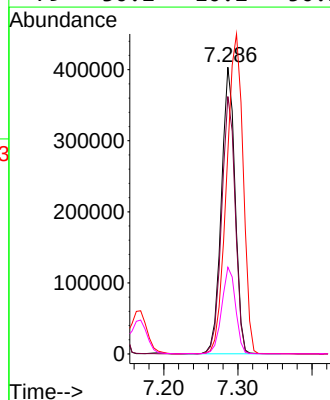
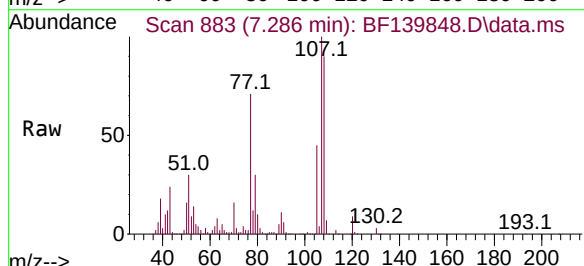
Ion Ratio Lower Upper

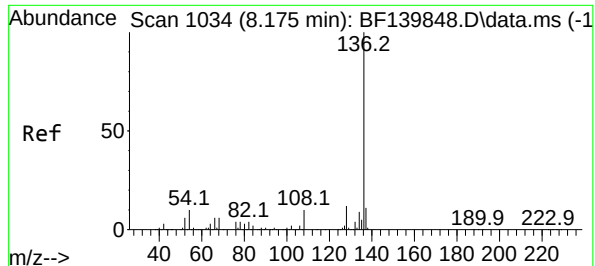
107 100

108 89.8 69.8 109.8

77 70.5 50.5 90.5

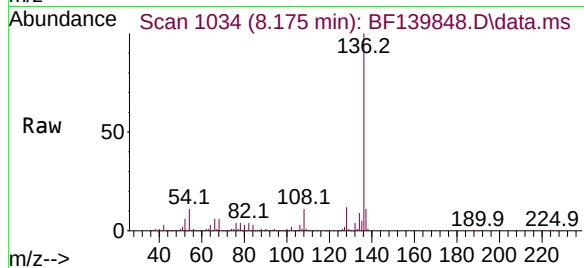
79 30.2 10.2 50.2





#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.175 min Scan# 1034  
Delta R.T. 0.000 min  
Lab File: BF139848.D  
Acq: 18 Oct 2024 12:20

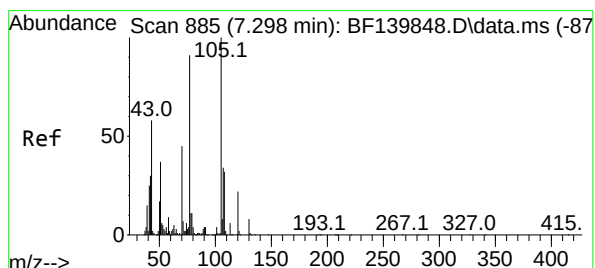
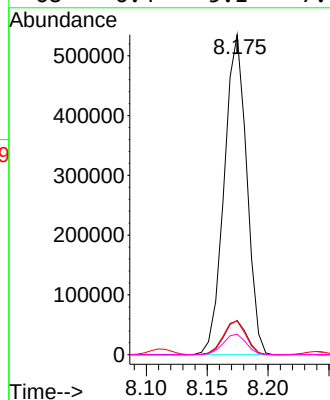
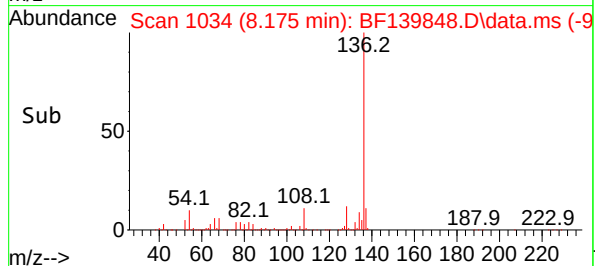
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICCC040



Tgt Ion:136 Resp: 688880  
Ion Ratio Lower Upper  
136 100  
137 10.7 8.6 12.8  
54 10.5 8.4 12.6  
68 6.4 5.1 7.7

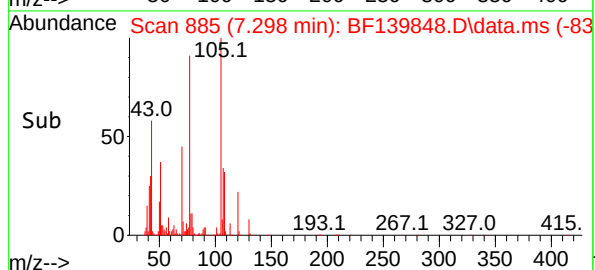
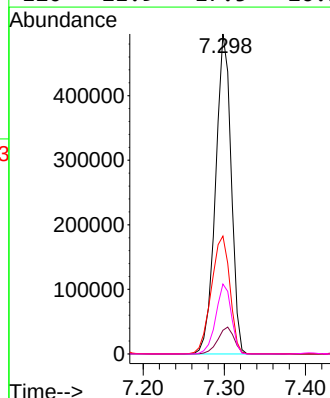
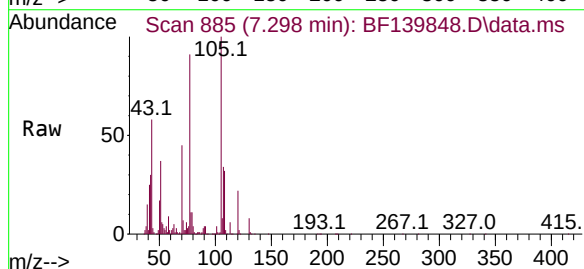
Manual Integrations  
APPROVED

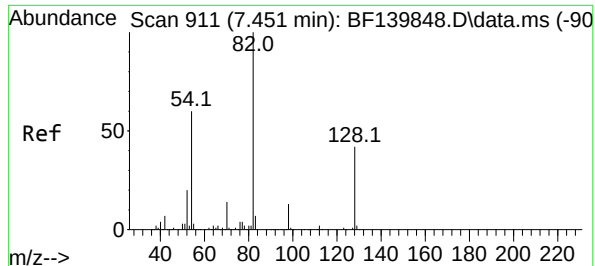
Reviewed By :Yogesh Patel 10/21/2024  
Supervised By :mohammad ahmed 10/21/2024



#22  
Acetophenone  
Concen: 39.312 ng  
RT: 7.298 min Scan# 885  
Delta R.T. 0.000 min  
Lab File: BF139848.D  
Acq: 18 Oct 2024 12:20

Tgt Ion:105 Resp: 663304  
Ion Ratio Lower Upper  
105 100  
71 7.4 5.9 8.9  
51 36.8 29.4 44.2  
120 21.9 17.5 26.3





#23

Nitrobenzene-d5

Concen: 82.209 ng

RT: 7.451 min Scan# 911

Delta R.T. 0.000 min

Lab File: BF139848.D

Acq: 18 Oct 2024 12:20

Instrument :

BNA\_F

ClientSampleId :

SSTDICCC040

Tgt Ion: 82 Resp: 1021808

Ion Ratio Lower Upper

82 100

128 41.7 33.4 50.0

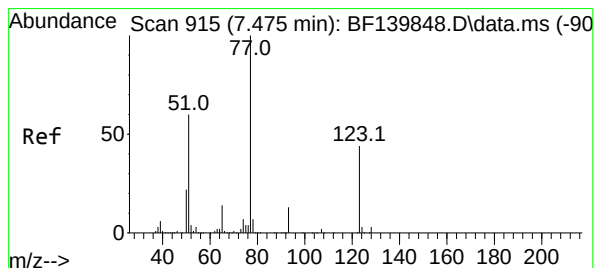
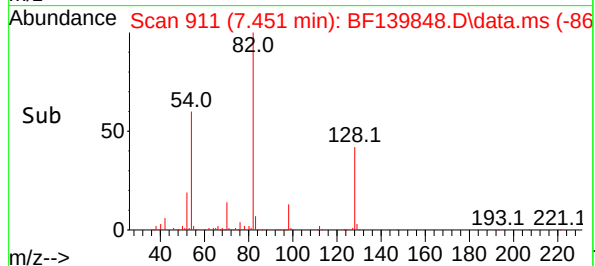
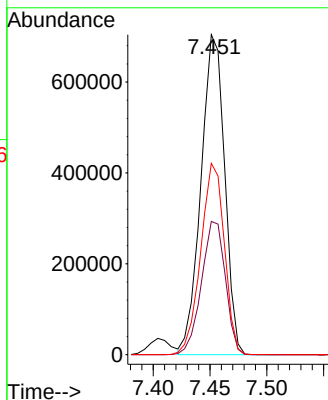
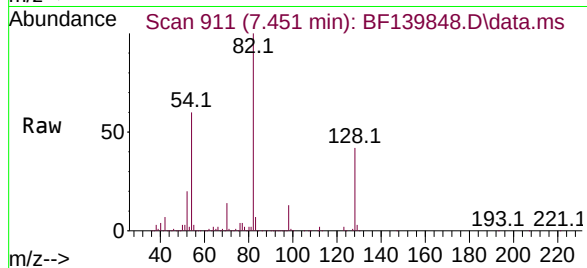
54 59.8 47.8 71.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#24

Nitrobenzene

Concen: 40.735 ng

RT: 7.475 min Scan# 915

Delta R.T. 0.000 min

Lab File: BF139848.D

Acq: 18 Oct 2024 12:20

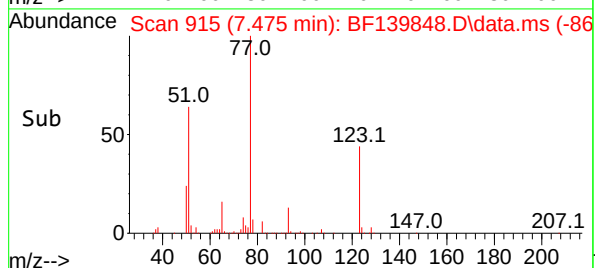
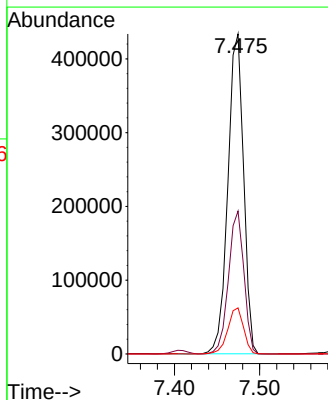
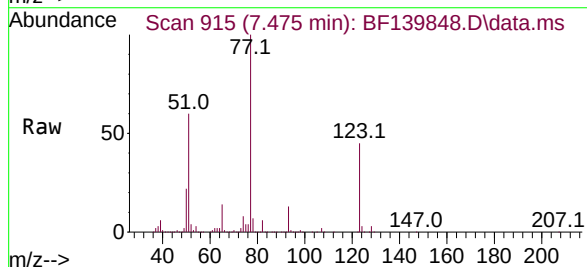
Tgt Ion: 77 Resp: 555115

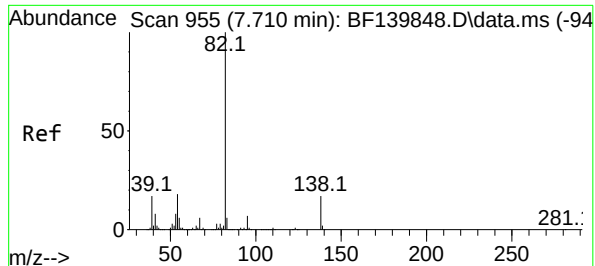
Ion Ratio Lower Upper

77 100

123 44.6 35.7 53.5

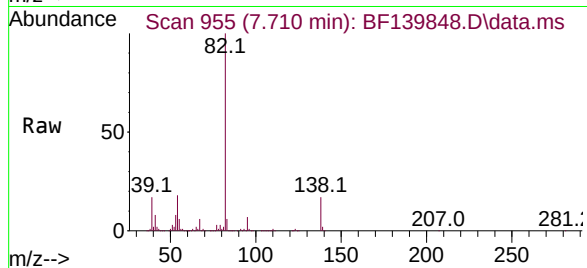
65 14.4 11.5 17.3





#25  
Isophorone  
Concen: 39.651 ng  
RT: 7.710 min Scan# 955  
Delta R.T. 0.000 min  
Lab File: BF139848.D  
Acq: 18 Oct 2024 12:20

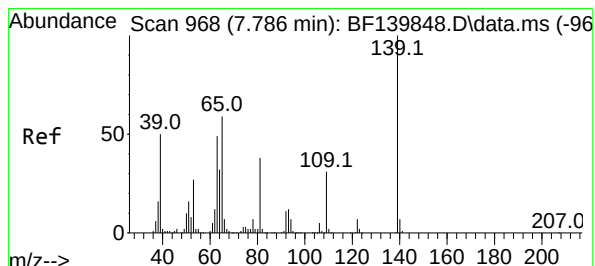
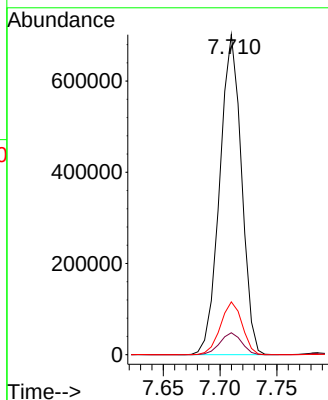
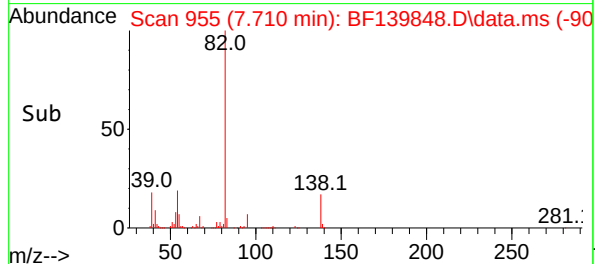
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICCC040



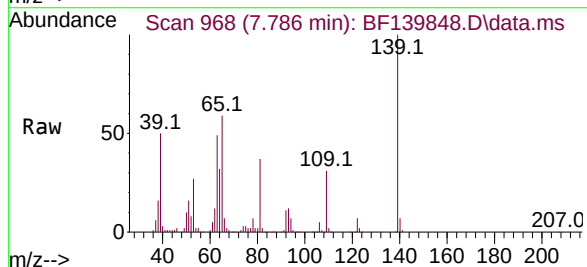
Tgt Ion: 82 Resp: 935400  
Ion Ratio Lower Upper  
82 100  
95 6.9 5.5 8.3  
138 16.5 13.2 19.8

Manual Integrations  
APPROVED

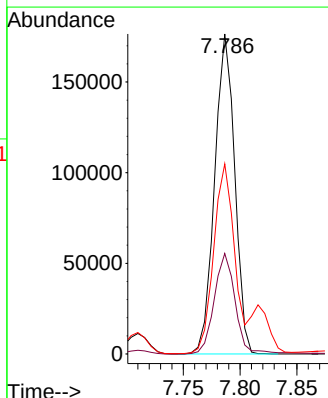
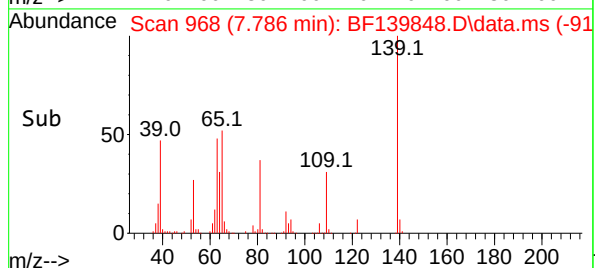
Reviewed By :Yogesh Patel 10/21/2024  
Supervised By :mohammad ahmed 10/21/2024

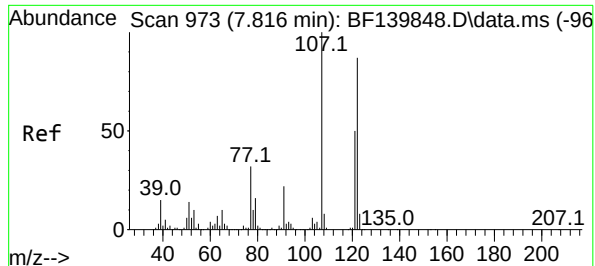


#26  
2-Nitrophenol  
Concen: 42.193 ng  
RT: 7.786 min Scan# 968  
Delta R.T. 0.000 min  
Lab File: BF139848.D  
Acq: 18 Oct 2024 12:20



Tgt Ion:139 Resp: 216916  
Ion Ratio Lower Upper  
139 100  
109 31.4 25.1 37.7  
65 59.4 47.5 71.3





#27

2,4-Dimethylphenol

Concen: 39.894 ng

RT: 7.816 min Scan# 91

Delta R.T. 0.000 min

Lab File: BF139848.D

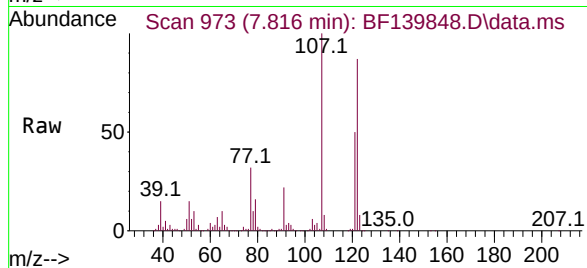
Acq: 18 Oct 2024 12:20

Instrument :

BNA\_F

ClientSampleId :

SSTDICCC040



Tgt Ion:122 Resp: 34198

Ion Ratio Lower Upper

122 100

107 114.9 91.9 137.9

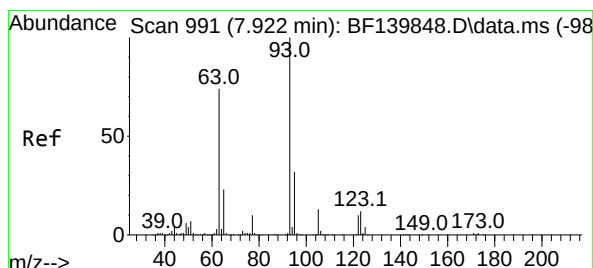
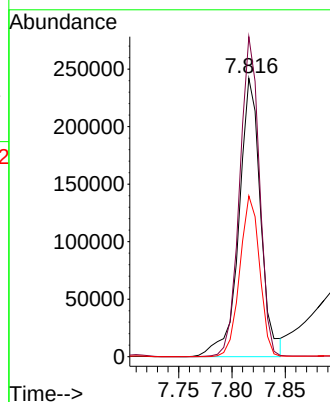
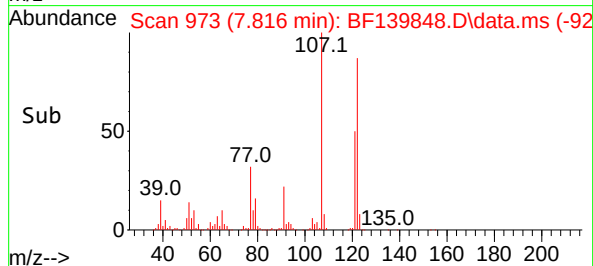
121 57.8 46.2 69.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#28

bis(2-Chloroethoxy)methane

Concen: 39.683 ng

RT: 7.922 min Scan# 991

Delta R.T. 0.000 min

Lab File: BF139848.D

Acq: 18 Oct 2024 12:20

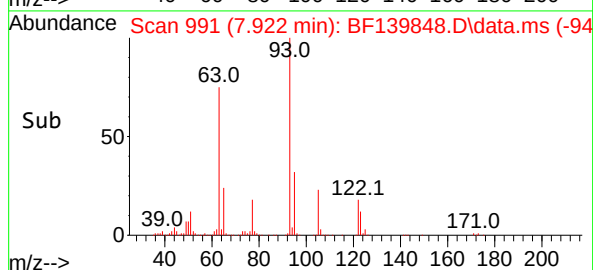
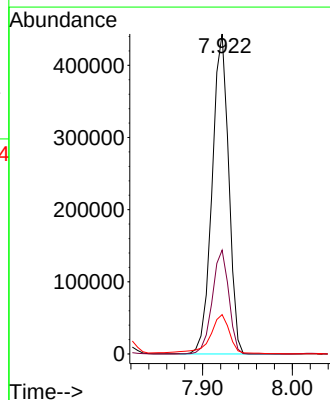
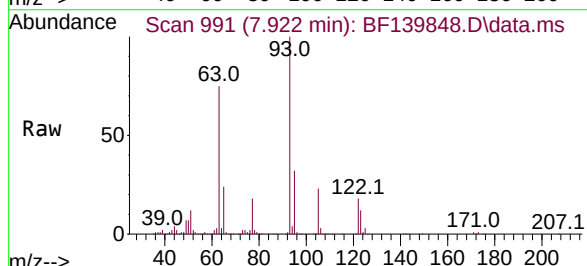
Tgt Ion: 93 Resp: 567188

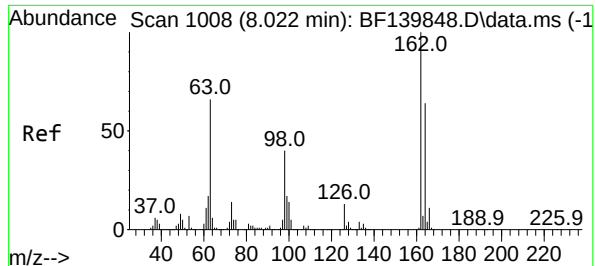
Ion Ratio Lower Upper

93 100

95 32.5 26.0 39.0

123 12.3 9.8 14.8





#29

2,4-Dichlorophenol

Concen: 39.976 ng

RT: 8.022 min Scan# 1008

Delta R.T. 0.000 min

Lab File: BF139848.D

Acq: 18 Oct 2024 12:20

Instrument :

BNA\_F

ClientSampleId :

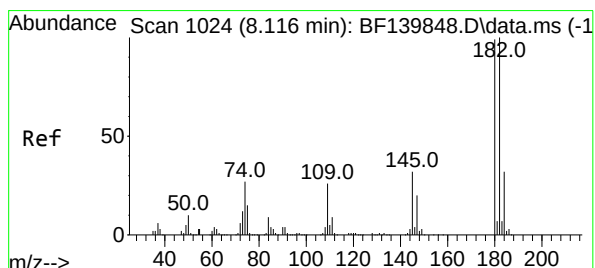
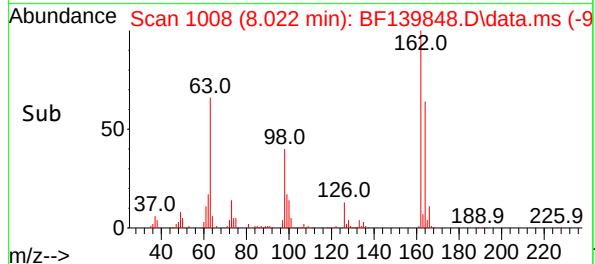
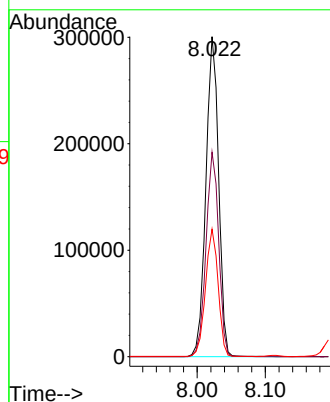
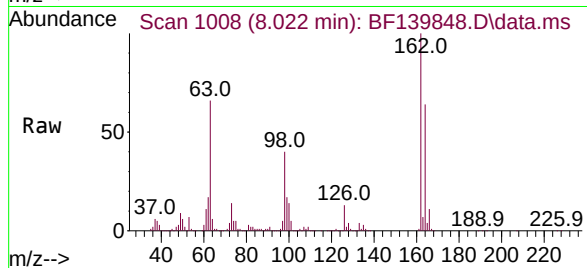
SSTDICCC040

Tgt Ion:162 Resp: 390330  
Ion Ratio Lower Upper  
162 100  
164 63.9 43.9 83.9  
98 39.9 19.9 59.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024  
Supervised By :mohammad ahmed 10/21/2024



#30

1,2,4-Trichlorobenzene

Concen: 40.195 ng

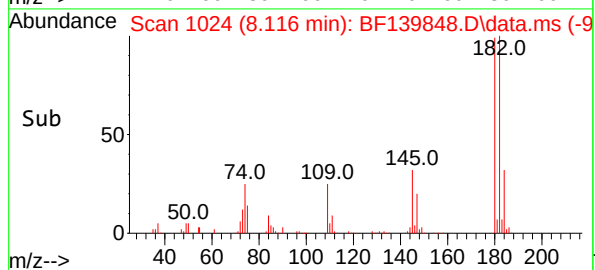
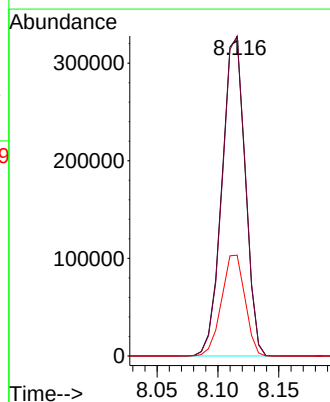
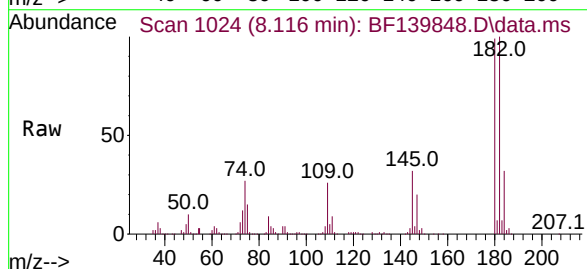
RT: 8.116 min Scan# 1024

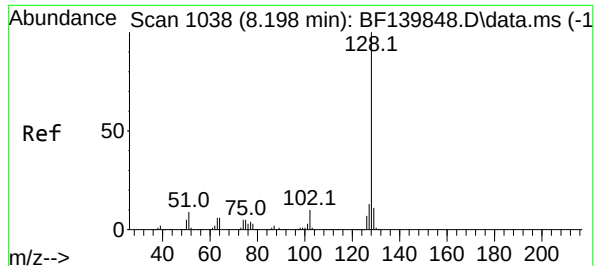
Delta R.T. 0.000 min

Lab File: BF139848.D

Acq: 18 Oct 2024 12:20

Tgt Ion:180 Resp: 434274  
Ion Ratio Lower Upper  
180 100  
182 100.6 80.5 120.7  
145 31.7 25.4 38.0





#31

Naphthalene

Concen: 39.681 ng

RT: 8.198 min Scan# 1038

Delta R.T. 0.000 min

Lab File: BF139848.D

Acq: 18 Oct 2024 12:20

Instrument :

BNA\_F

ClientSampleId :

SSTDICCC040

Tgt Ion:128 Resp: 1409790

Ion Ratio Lower Upper

128 100

129 11.1 8.9 13.3

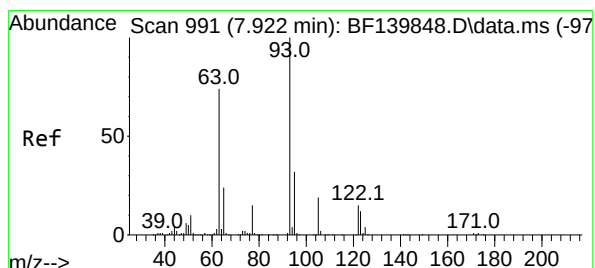
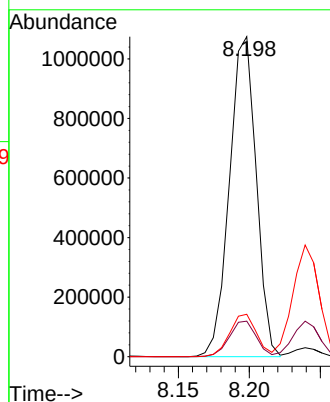
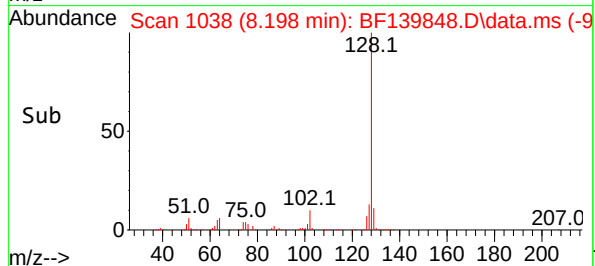
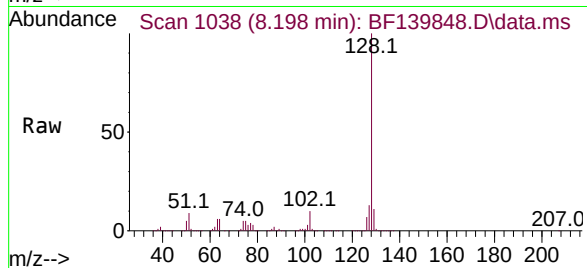
127 13.3 10.6 16.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#32

Benzoic acid

Concen: 40.451 ng

RT: 7.922 min Scan# 991

Delta R.T. -0.000 min

Lab File: BF139848.D

Acq: 18 Oct 2024 12:20

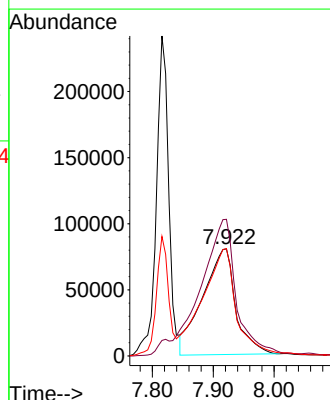
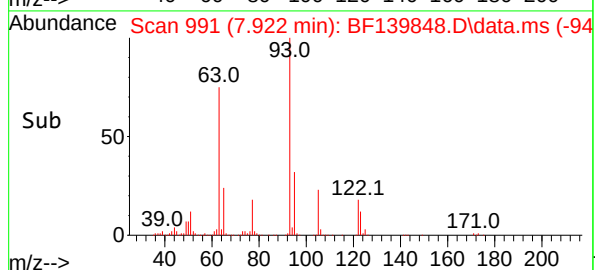
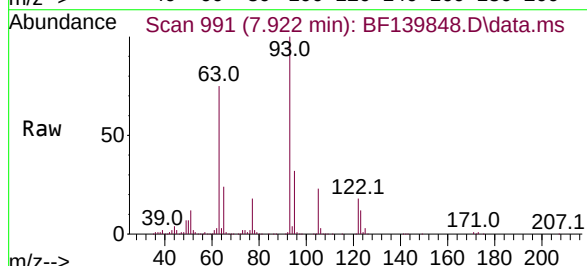
Tgt Ion:122 Resp: 302443

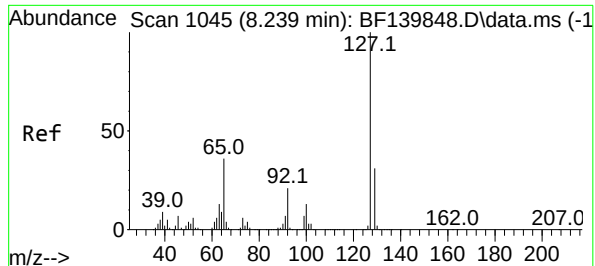
Ion Ratio Lower Upper

122 100

105 127.6 107.6 147.6

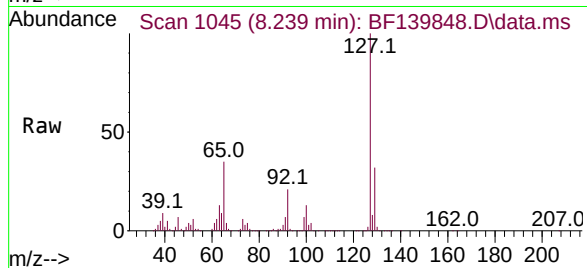
77 100.2 80.2 120.2





#33  
4-Chloroaniline  
Concen: 39.950 ng  
RT: 8.239 min Scan# 1045  
Delta R.T. 0.000 min  
Lab File: BF139848.D  
Acq: 18 Oct 2024 12:20

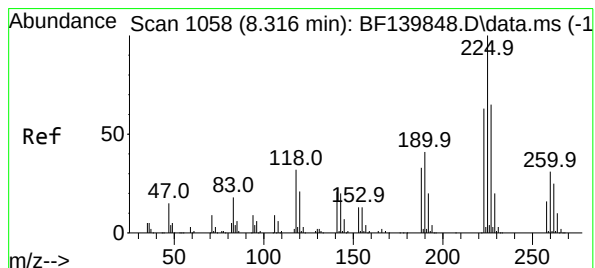
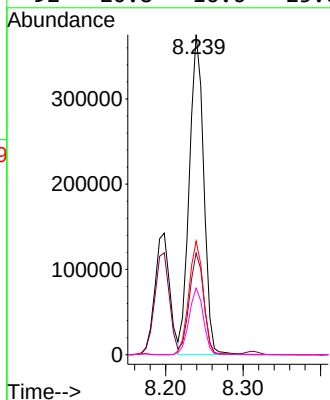
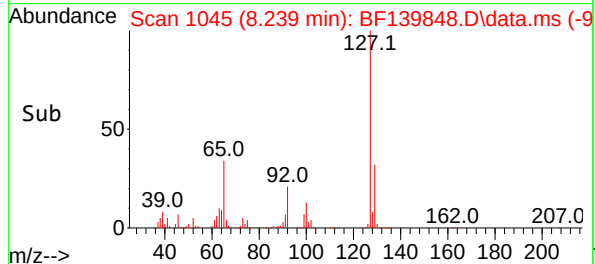
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICCC040



Tgt Ion:127 Resp: 483982  
Ion Ratio Lower Upper  
127 100  
129 31.8 25.4 38.2  
65 35.5 28.4 42.6  
92 20.8 16.6 25.0

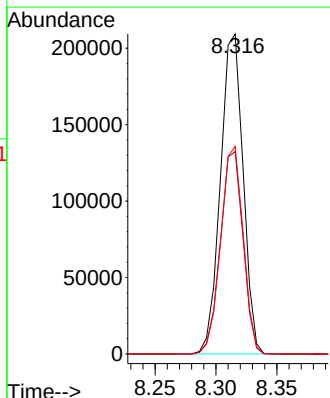
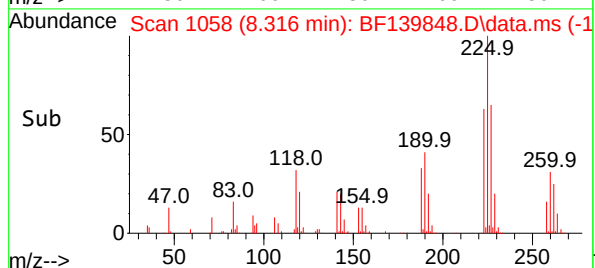
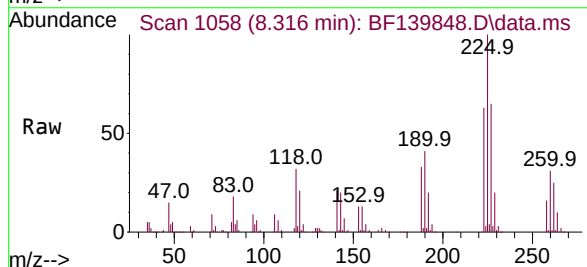
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 10/21/2024  
Supervised By :mohammad ahmed 10/21/2024

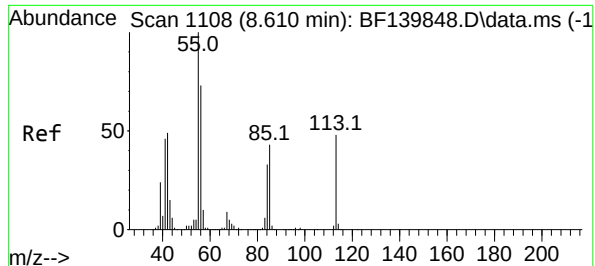


#34  
Hexachlorobutadiene  
Concen: 39.967 ng  
RT: 8.316 min Scan# 1058  
Delta R.T. 0.000 min  
Lab File: BF139848.D  
Acq: 18 Oct 2024 12:20

Tgt Ion:225 Resp: 271315  
Ion Ratio Lower Upper  
225 100  
223 63.3 50.6 76.0  
227 64.8 51.8 77.8

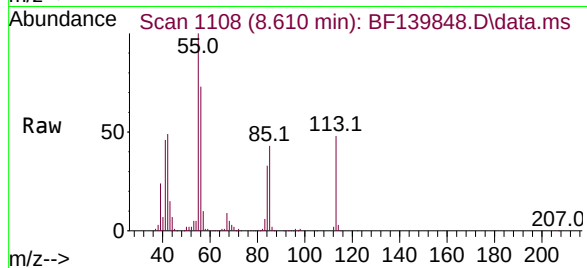






#35  
Caprolactam  
Concen: 40.772 ng  
RT: 8.610 min Scan# 1108  
Delta R.T. 0.000 min  
Lab File: BF139848.D  
Acq: 18 Oct 2024 12:20

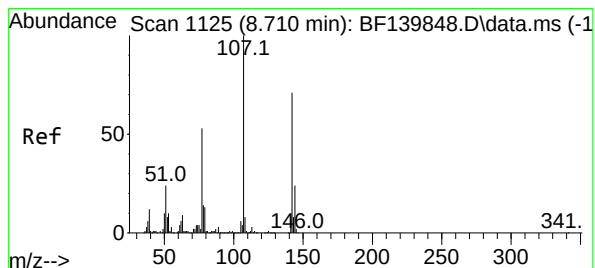
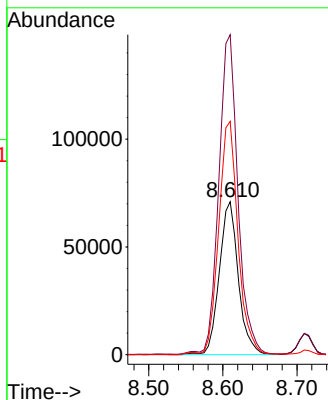
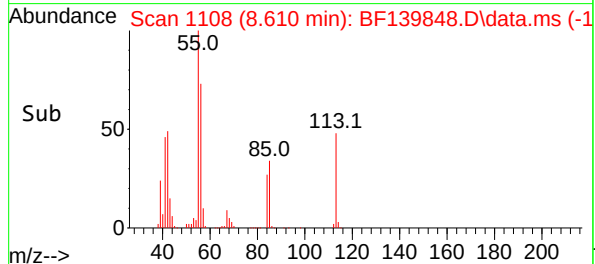
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICCC040



Tgt Ion:113 Resp: 12658  
Ion Ratio Lower Upper  
113 100  
55 209.2 189.2 229.2  
56 152.5 132.5 172.5

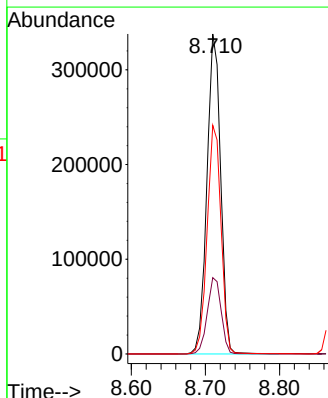
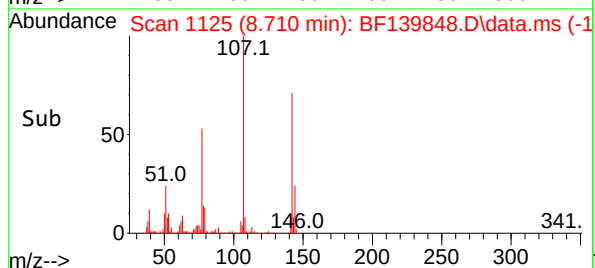
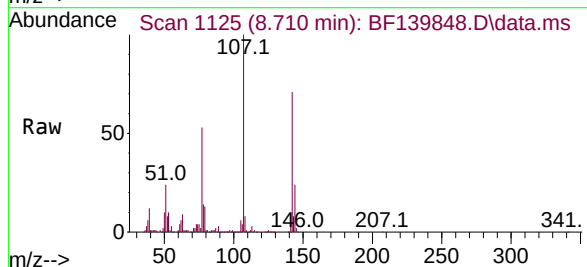
Manual Integrations  
APPROVED

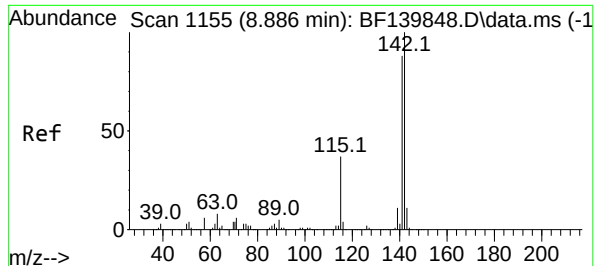
Reviewed By :Yogesh Patel 10/21/2024  
Supervised By :mohammad ahmed 10/21/2024



#36  
4-Chloro-3-methylphenol  
Concen: 40.116 ng  
RT: 8.710 min Scan# 1125  
Delta R.T. 0.000 min  
Lab File: BF139848.D  
Acq: 18 Oct 2024 12:20

Tgt Ion:107 Resp: 433727  
Ion Ratio Lower Upper  
107 100  
144 23.9 19.1 28.7  
142 71.5 57.2 85.8





#37

2-Methylnaphthalene

Concen: 39.345 ng

RT: 8.886 min Scan# 1155

Delta R.T. 0.000 min

Lab File: BF139848.D

Acq: 18 Oct 2024 12:20

Instrument :

BNA\_F

ClientSampleId :

SSTDICCC040

Tgt Ion:142 Resp: 85611

Ion Ratio Lower Upper

142 100

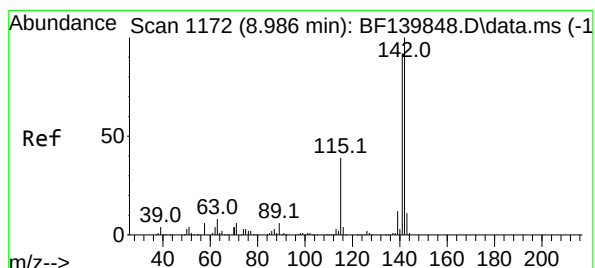
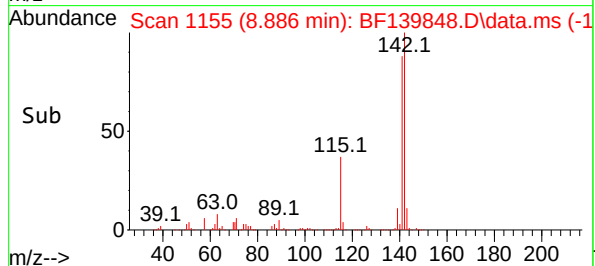
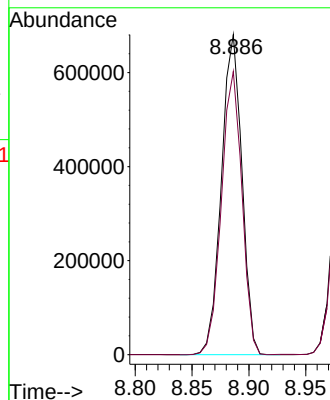
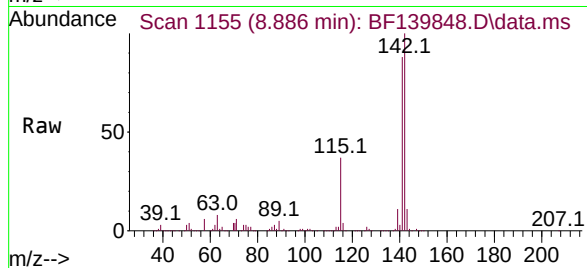
141 88.5 70.8 106.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#38

1-Methylnaphthalene

Concen: 39.471 ng

RT: 8.986 min Scan# 1172

Delta R.T. 0.000 min

Lab File: BF139848.D

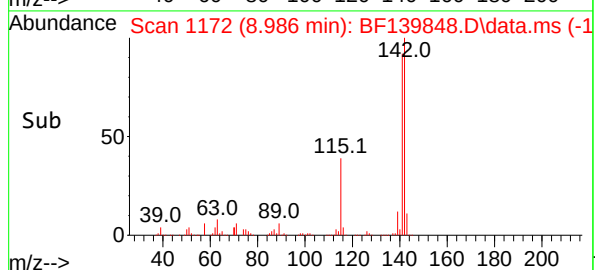
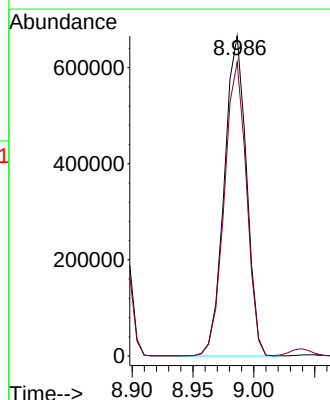
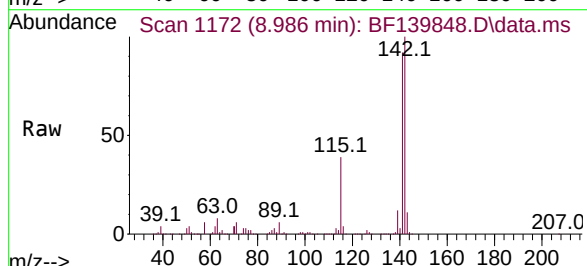
Acq: 18 Oct 2024 12:20

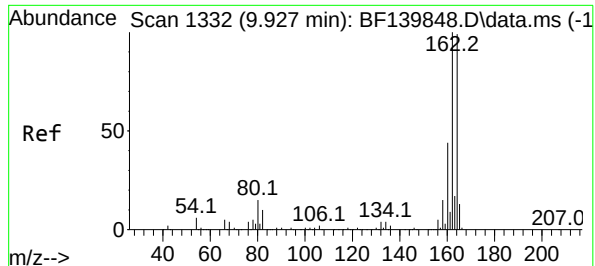
Tgt Ion:142 Resp: 842638

Ion Ratio Lower Upper

142 100

141 91.9 73.5 110.3





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.927 min Scan# 1183

Delta R.T. 0.000 min

Lab File: BF139848.D

Acq: 18 Oct 2024 12:20

Instrument :

BNA\_F

ClientSampleId :

SSTDICCC040

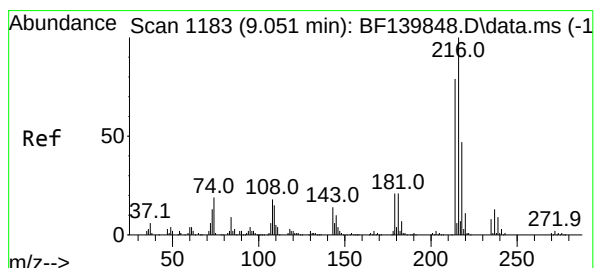
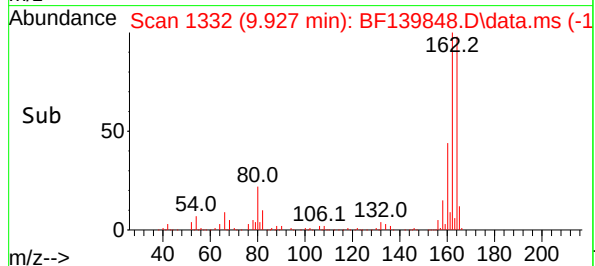
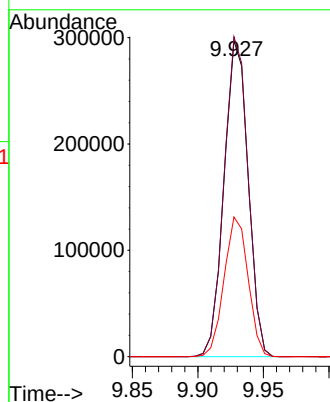
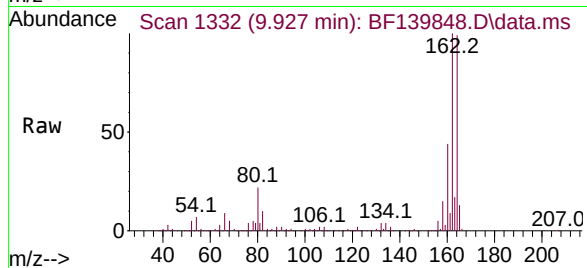
|             |       |            |
|-------------|-------|------------|
| Tgt Ion:164 | Resp: | 37975      |
| Ion Ratio   | Lower | Upper      |
| 164         | 100   |            |
| 162         | 101.2 | 81.0 121.4 |
| 160         | 44.2  | 35.4 53.0  |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#40

1,2,4,5-Tetrachlorobenzene

Concen: 39.776 ng

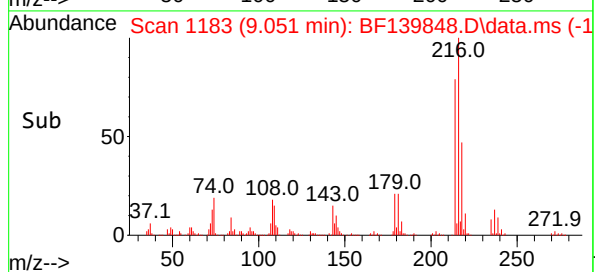
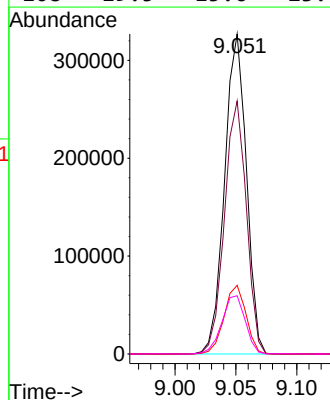
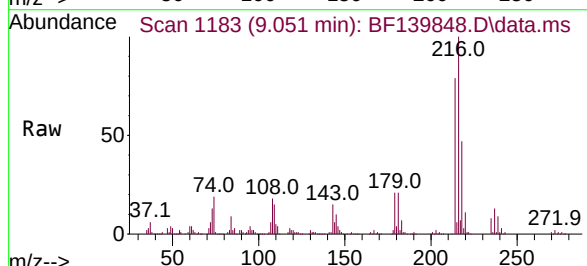
RT: 9.051 min Scan# 1183

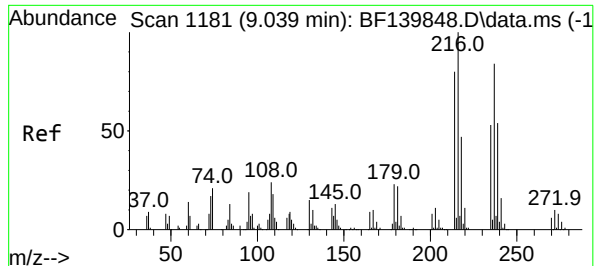
Delta R.T. 0.000 min

Lab File: BF139848.D

Acq: 18 Oct 2024 12:20

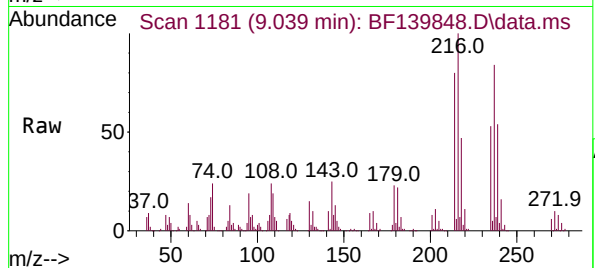
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:216 | Resp: | 407511    |
| Ion Ratio   | Lower | Upper     |
| 216         | 100   |           |
| 214         | 79.2  | 63.4 95.0 |
| 179         | 21.5  | 17.2 25.8 |
| 108         | 19.5  | 15.6 23.4 |





#41  
Hexachlorocyclopentadiene  
Concen: 42.229 ng  
RT: 9.039 min Scan# 1181  
Delta R.T. 0.000 min  
Lab File: BF139848.D  
Acq: 18 Oct 2024 12:20

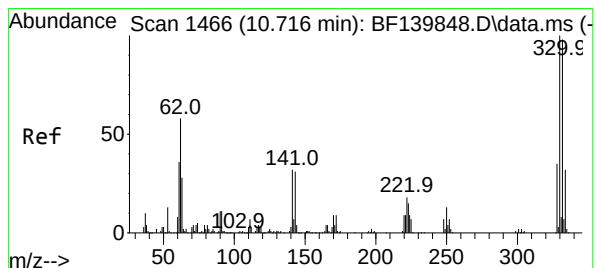
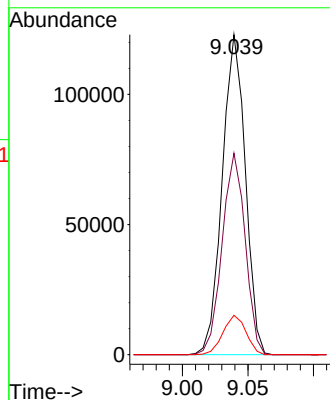
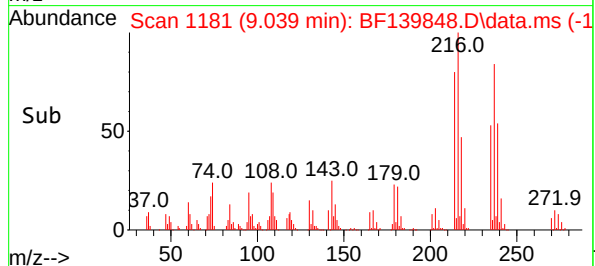
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICCC040



Tgt Ion: 237 Resp: 150540  
Ion Ratio Lower Upper  
237 100  
235 62.9 42.9 82.9  
272 12.3 0.0 32.3

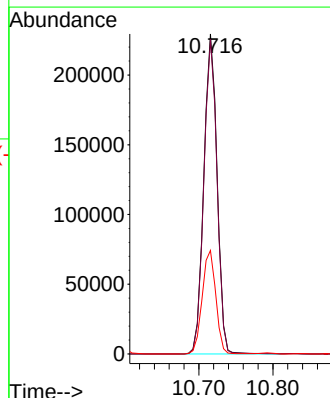
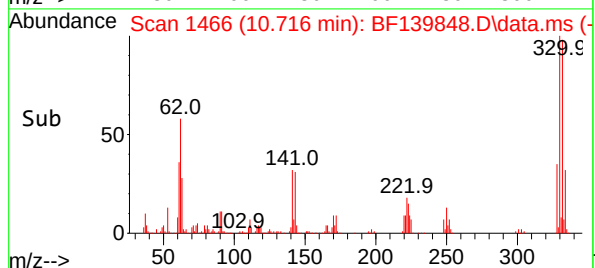
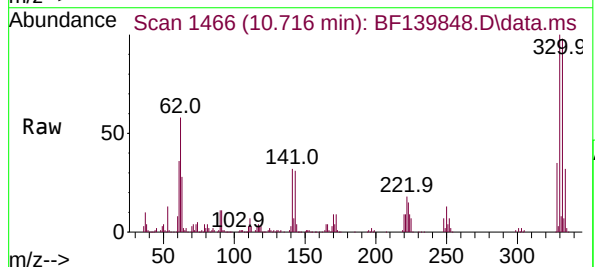
Manual Integrations  
APPROVED

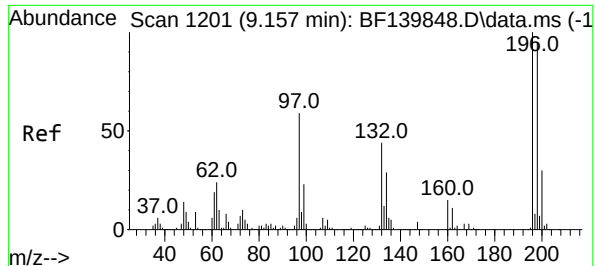
Reviewed By : Yogesh Patel 10/21/2024  
Supervised By : mohammad ahmed 10/21/2024



#42  
2,4,6-Tribromophenol  
Concen: 80.292 ng  
RT: 10.716 min Scan# 1466  
Delta R.T. 0.000 min  
Lab File: BF139848.D  
Acq: 18 Oct 2024 12:20

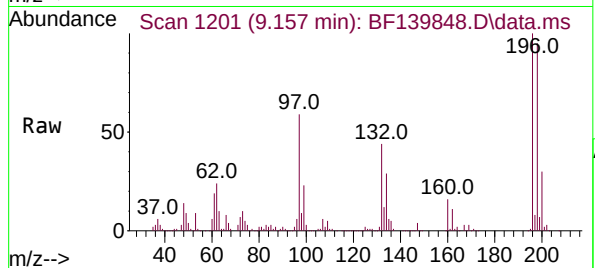
Tgt Ion: 330 Resp: 285205  
Ion Ratio Lower Upper  
330 100  
332 97.6 78.1 117.1  
141 33.2 26.6 39.8





#43  
2,4,6-Trichlorophenol  
Concen: 40.474 ng  
RT: 9.157 min Scan# 1201  
Delta R.T. 0.000 min  
Lab File: BF139848.D  
Acq: 18 Oct 2024 12:20

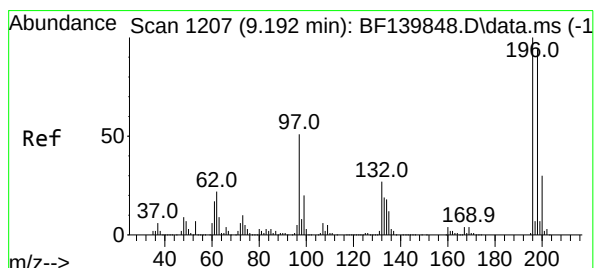
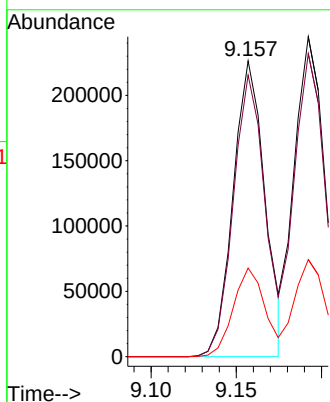
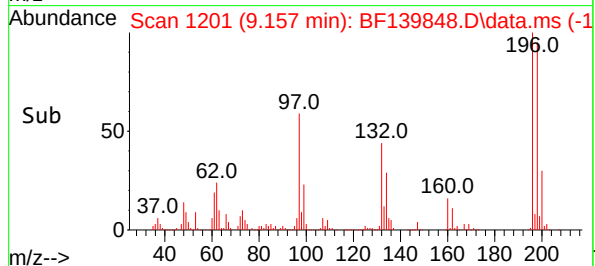
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICCC040



Tgt Ion:196 Resp: 29357  
Ion Ratio Lower Upper  
196 100  
198 95.2 76.2 114.2  
200 30.0 24.0 36.0

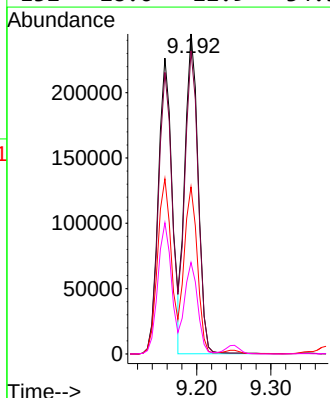
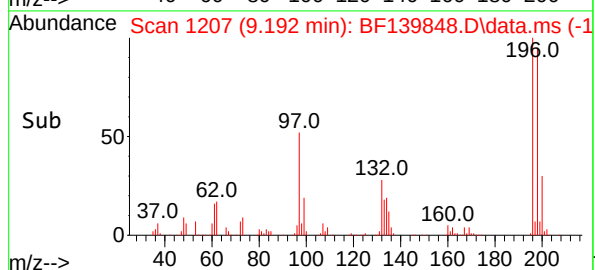
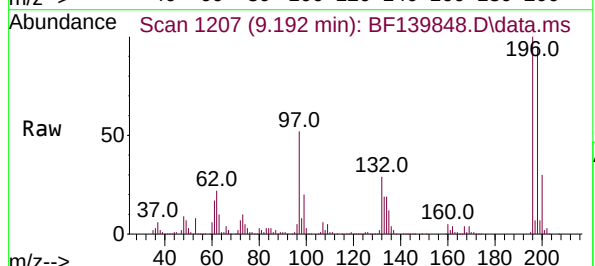
Manual Integrations  
APPROVED

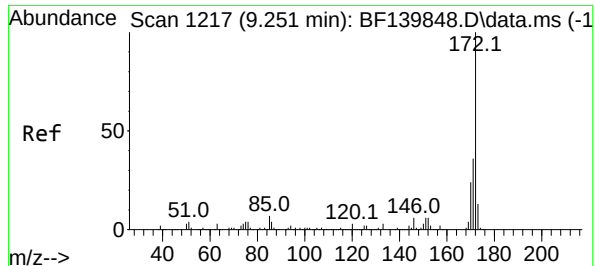
Reviewed By :Yogesh Patel 10/21/2024  
Supervised By :mohammad ahmed 10/21/2024



#44  
2,4,5-Trichlorophenol  
Concen: 40.651 ng  
RT: 9.192 min Scan# 1207  
Delta R.T. 0.000 min  
Lab File: BF139848.D  
Acq: 18 Oct 2024 12:20

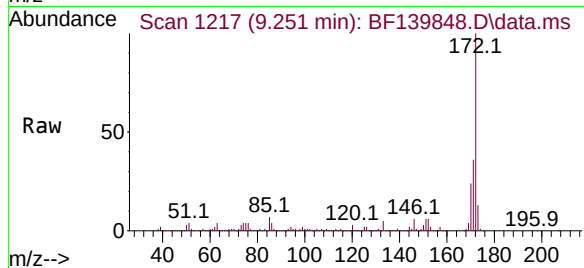
Tgt Ion:196 Resp: 304213  
Ion Ratio Lower Upper  
196 100  
198 94.7 75.8 113.6  
97 52.2 41.8 62.6  
132 28.6 22.9 34.3





#45  
2-Fluorobiphenyl  
Concen: 76.791 ng  
RT: 9.251 min Scan# 1217  
Delta R.T. 0.000 min  
Lab File: BF139848.D  
Acq: 18 Oct 2024 12:20

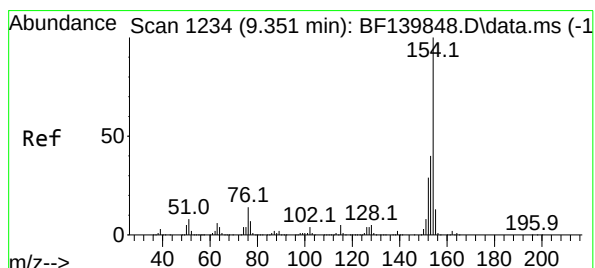
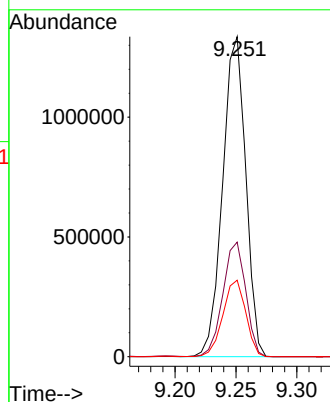
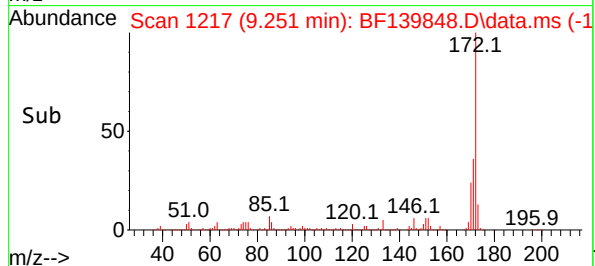
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICCC040



Tgt Ion:172 Resp: 176449  
Ion Ratio Lower Upper  
172 100  
171 35.8 28.6 43.0  
170 23.9 19.1 28.7

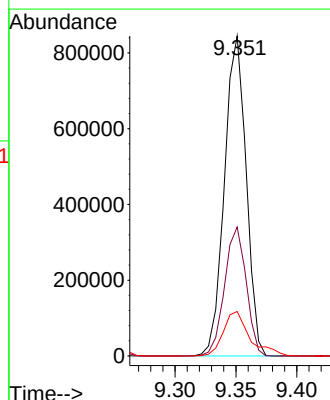
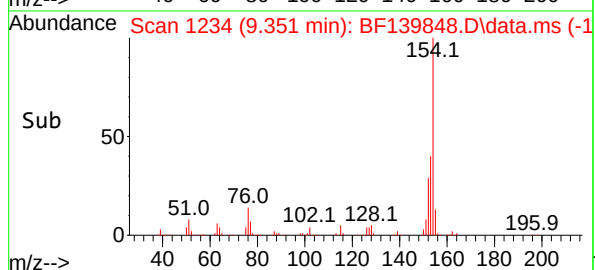
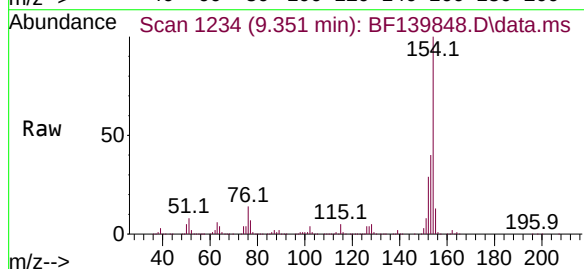
Manual Integrations  
APPROVED

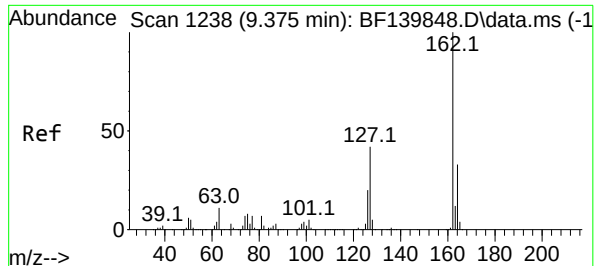
Reviewed By :Yogesh Patel 10/21/2024  
Supervised By :mohammad ahmed 10/21/2024



#46  
1,1'-Biphenyl  
Concen: 39.608 ng  
RT: 9.351 min Scan# 1234  
Delta R.T. 0.000 min  
Lab File: BF139848.D  
Acq: 18 Oct 2024 12:20

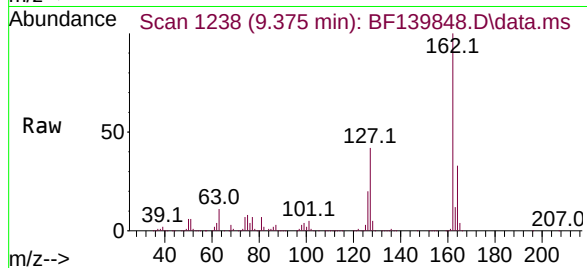
Tgt Ion:154 Resp: 1047094  
Ion Ratio Lower Upper  
154 100  
153 40.3 20.3 60.3  
76 13.9 0.0 33.9





#47  
2-Chloronaphthalene  
Concen: 39.613 ng  
RT: 9.375 min Scan# 1238  
Delta R.T. 0.000 min  
Lab File: BF139848.D  
Acq: 18 Oct 2024 12:20

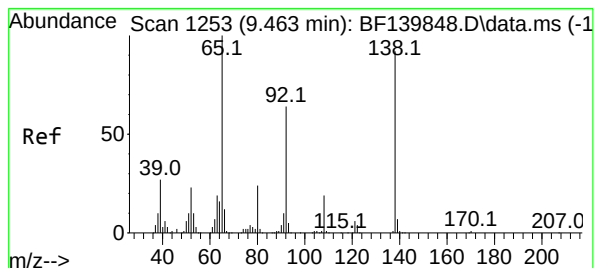
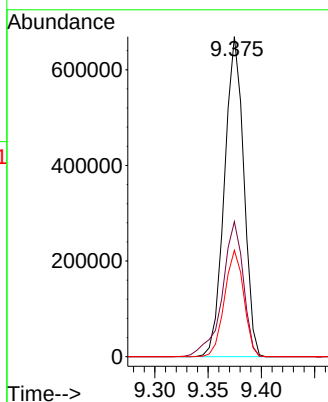
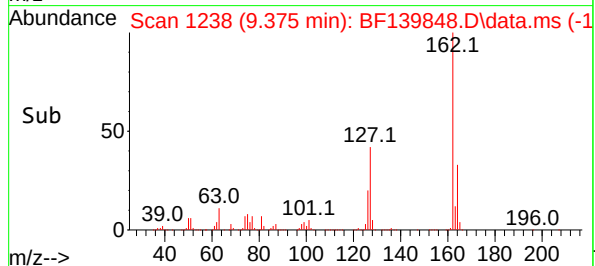
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICCC040



Tgt Ion:162 Resp: 843452  
Ion Ratio Lower Upper  
162 100  
127 42.2 33.8 50.6  
164 33.2 26.6 39.8

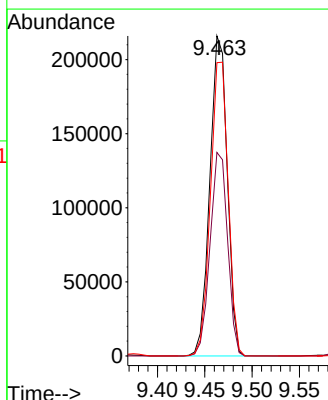
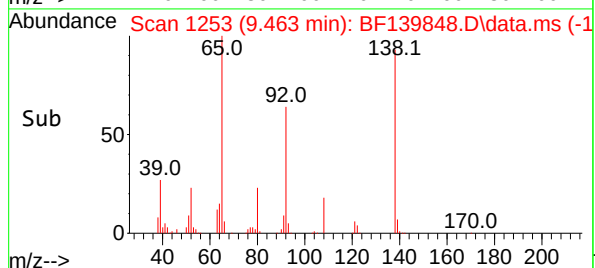
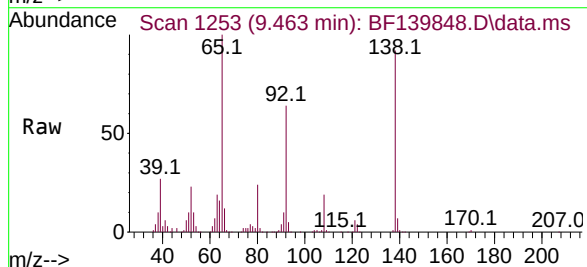
Manual Integrations  
APPROVED

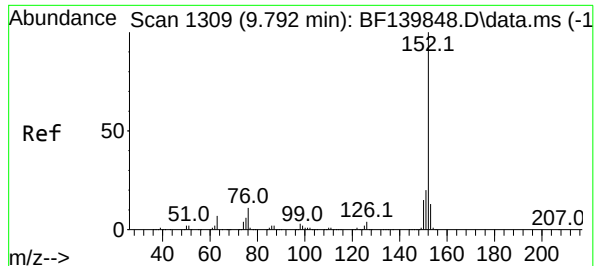
Reviewed By :Yogesh Patel 10/21/2024  
Supervised By :mohammad ahmed 10/21/2024



#48  
2-Nitroaniline  
Concen: 42.562 ng  
RT: 9.463 min Scan# 1253  
Delta R.T. 0.000 min  
Lab File: BF139848.D  
Acq: 18 Oct 2024 12:20

Tgt Ion: 65 Resp: 277165  
Ion Ratio Lower Upper  
65 100  
92 63.6 50.9 76.3  
138 91.7 73.4 110.0





#49

Acenaphthylene

Concen: 39.837 ng

RT: 9.792 min Scan# 1309

Delta R.T. 0.000 min

Lab File: BF139848.D

Acq: 18 Oct 2024 12:20

Instrument :

BNA\_F

ClientSampleId :

SSTDICCC040

Tgt Ion:152 Resp: 122627

Ion Ratio Lower Upper

152 100

151 19.9 15.9 23.9

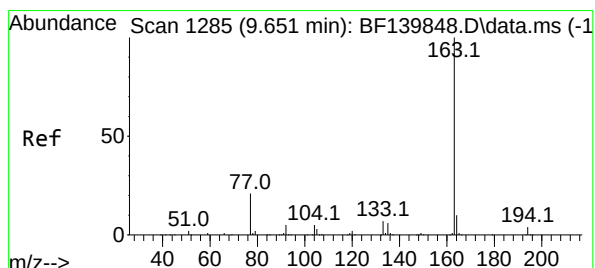
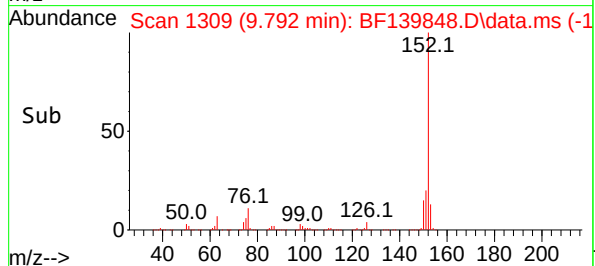
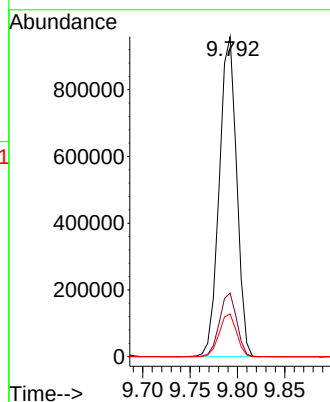
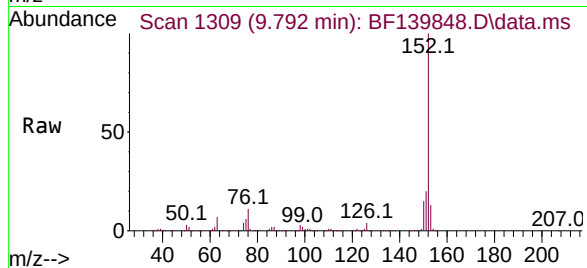
153 13.4 10.7 16.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#50

Dimethylphthalate

Concen: 39.726 ng

RT: 9.651 min Scan# 1285

Delta R.T. 0.000 min

Lab File: BF139848.D

Acq: 18 Oct 2024 12:20

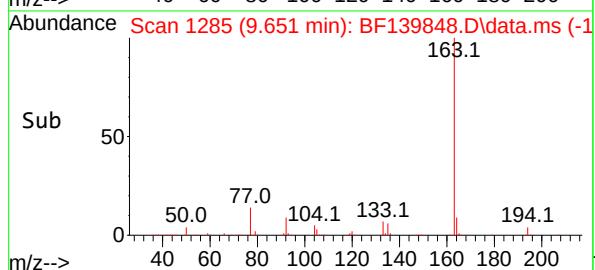
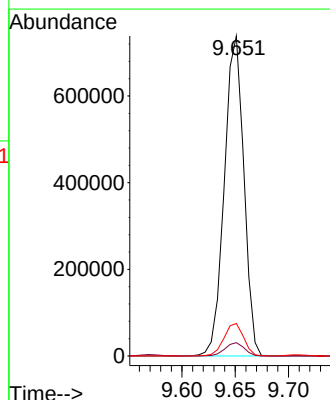
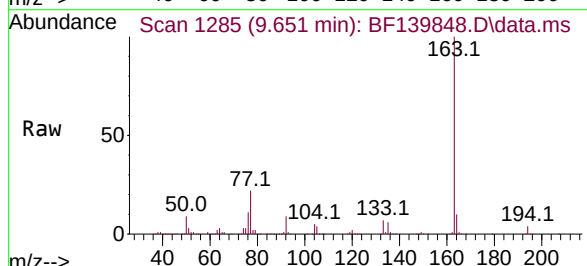
Tgt Ion:163 Resp: 939670

Ion Ratio Lower Upper

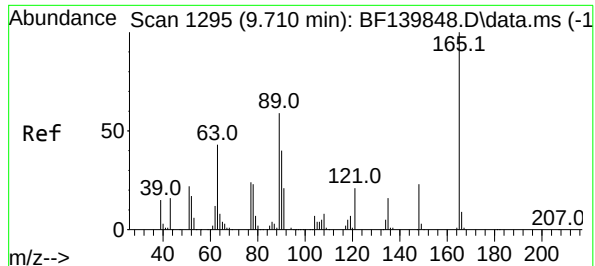
163 100

194 4.2 3.4 5.0

164 10.2 8.2 12.2

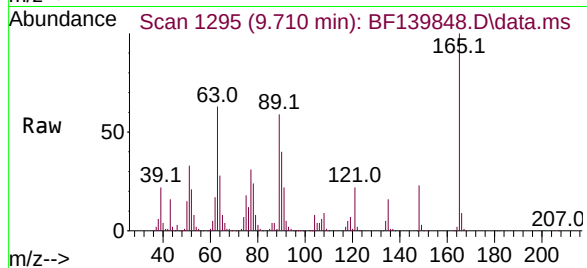






#51  
2,6-Dinitrotoluene  
Concen: 41.580 ng  
RT: 9.710 min Scan# 1295  
Delta R.T. 0.000 min  
Lab File: BF139848.D  
Acq: 18 Oct 2024 12:20

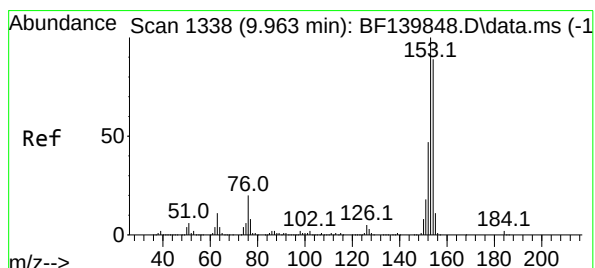
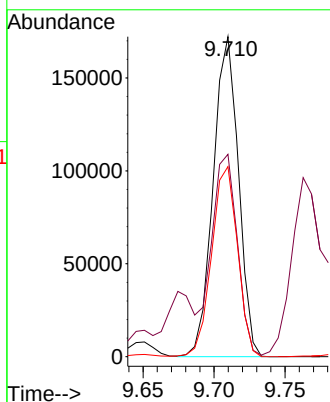
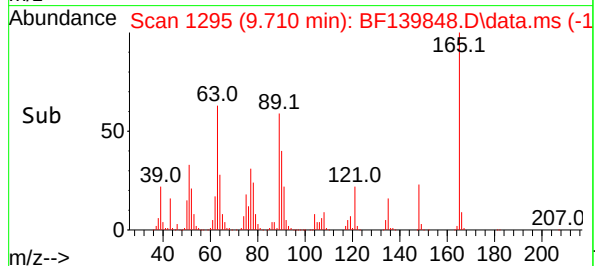
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICCC040



Tgt Ion:165 Resp: 212950  
Ion Ratio Lower Upper  
165 100  
63 63.2 50.6 75.8  
89 59.4 47.5 71.3

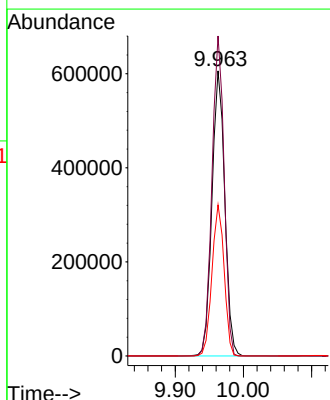
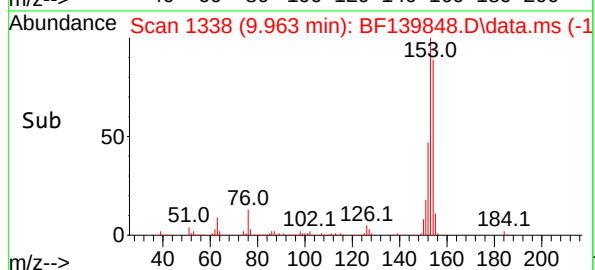
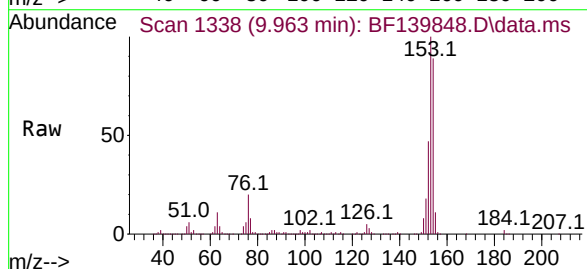
Manual Integrations  
APPROVED

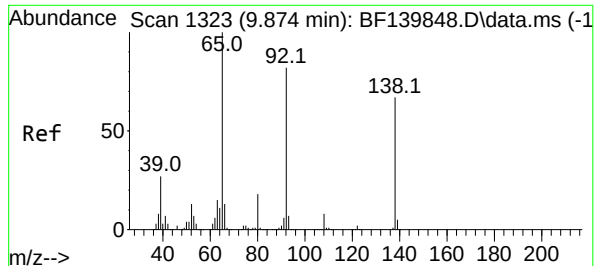
Reviewed By :Yogesh Patel 10/21/2024  
Supervised By :mohammad ahmed 10/21/2024



#52  
Acenaphthene  
Concen: 39.811 ng  
RT: 9.963 min Scan# 1338  
Delta R.T. 0.000 min  
Lab File: BF139848.D  
Acq: 18 Oct 2024 12:20

Tgt Ion:154 Resp: 792756  
Ion Ratio Lower Upper  
154 100  
153 112.2 89.8 134.6  
152 53.0 42.4 63.6





#53

3-Nitroaniline

Concen: 42.051 ng

RT: 9.874 min Scan# 1323

Delta R.T. 0.000 min

Lab File: BF139848.D

Acq: 18 Oct 2024 12:20

Instrument :

BNA\_F

ClientSampleId :

SSTDICCC040

Tgt Ion:138 Resp: 222098

Ion Ratio Lower Upper

138 100

108 12.7 10.2 15.2

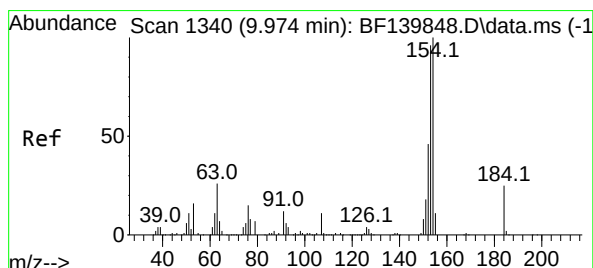
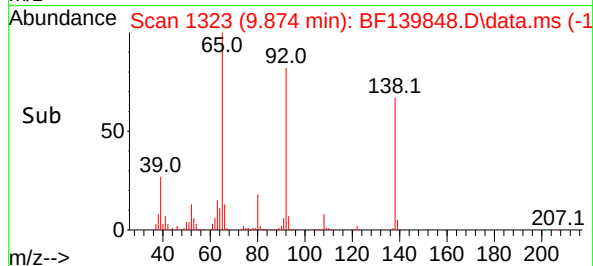
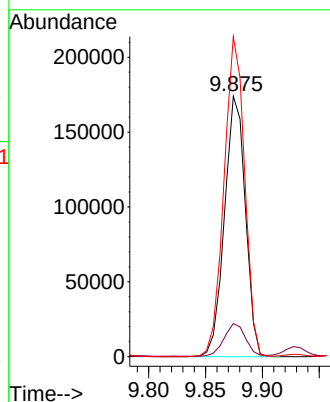
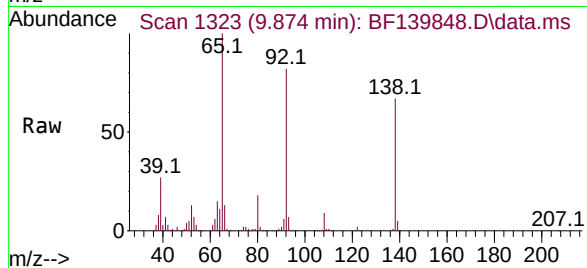
92 122.9 98.3 147.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#54

2,4-Dinitrophenol

Concen: 39.739 ng

RT: 9.974 min Scan# 1340

Delta R.T. 0.000 min

Lab File: BF139848.D

Acq: 18 Oct 2024 12:20

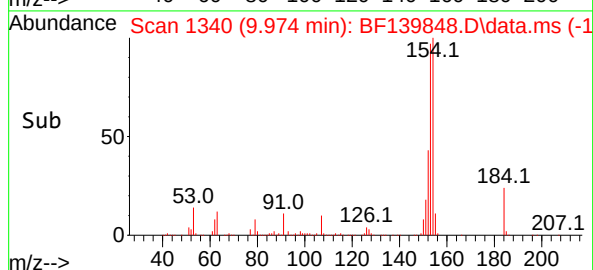
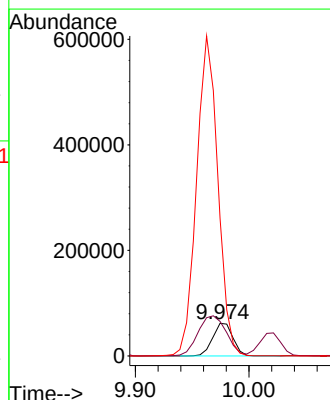
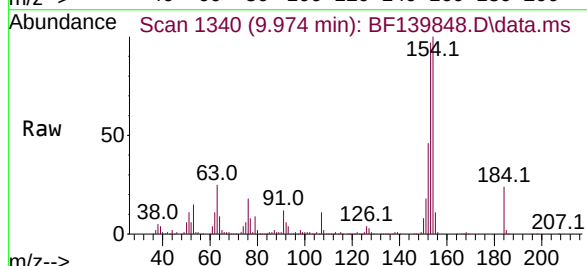
Tgt Ion:184 Resp: 76948

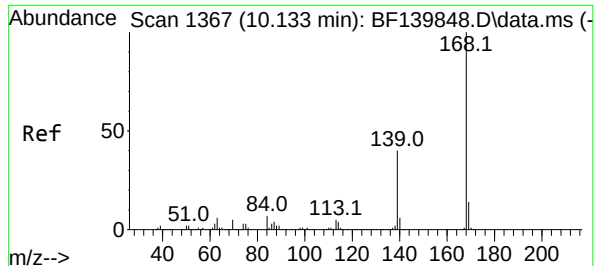
Ion Ratio Lower Upper

184 100

63 105.9 84.7 127.1

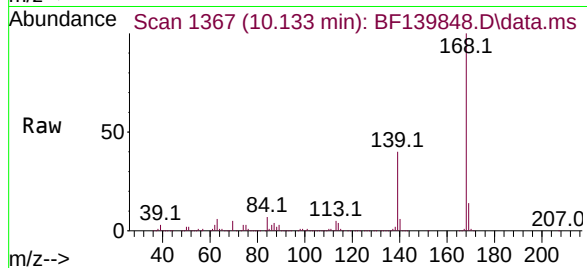
154 422.7 338.2 507.2





#55  
Dibenzenofuran  
Concen: 39.505 ng  
RT: 10.133 min Scan# 1367  
Delta R.T. 0.000 min  
Lab File: BF139848.D  
Acq: 18 Oct 2024 12:20

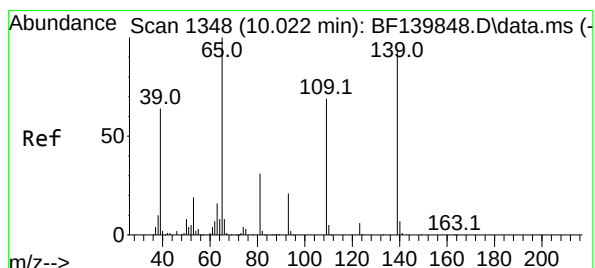
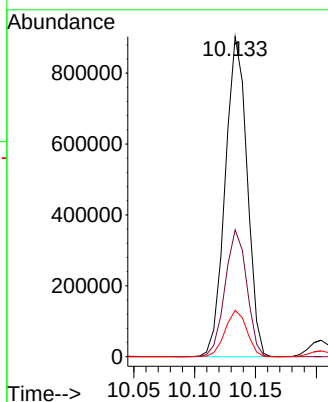
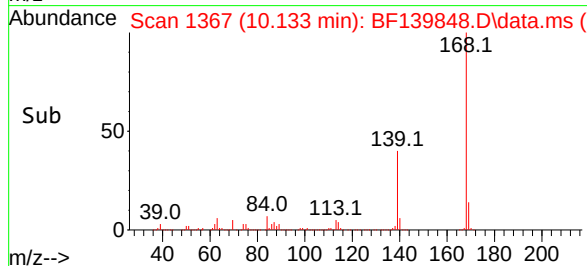
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICCC040



Tgt Ion:168 Resp: 1128670  
Ion Ratio Lower Upper  
168 100  
139 39.7 31.8 47.6  
169 14.5 11.6 17.4

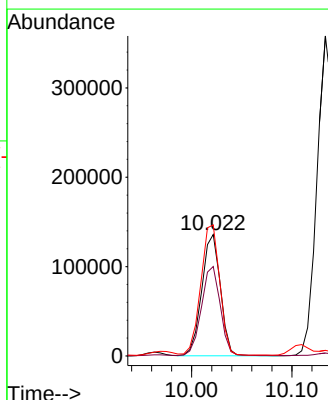
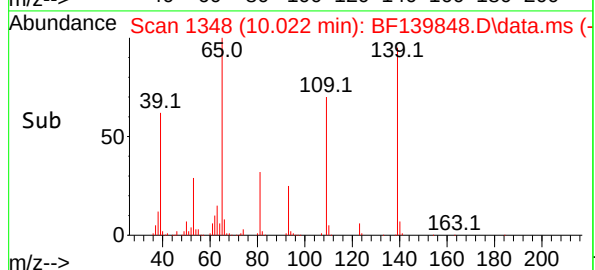
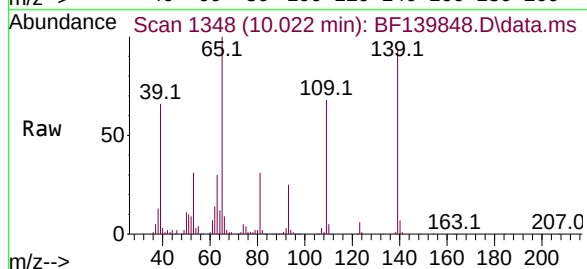
Manual Integrations  
APPROVED

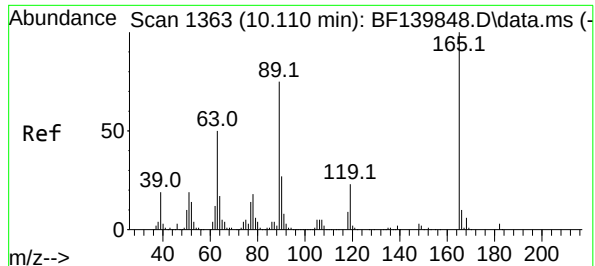
Reviewed By :Yogesh Patel 10/21/2024  
Supervised By :mohammad ahmed 10/21/2024



#56  
4-Nitrophenol  
Concen: 43.292 ng  
RT: 10.022 min Scan# 1348  
Delta R.T. 0.000 min  
Lab File: BF139848.D  
Acq: 18 Oct 2024 12:20

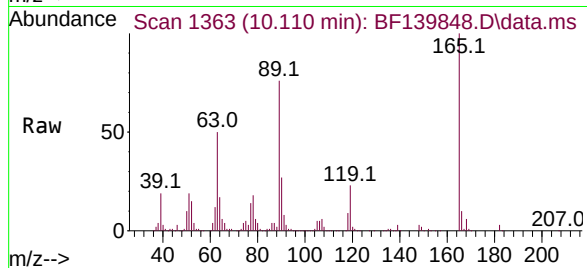
Tgt Ion:139 Resp: 175913  
Ion Ratio Lower Upper  
139 100  
109 73.6 53.6 93.6  
65 107.8 87.8 127.8





#57  
2,4-Dinitrotoluene  
Concen: 42.965 ng  
RT: 10.110 min Scan# 1363  
Delta R.T. 0.000 min  
Lab File: BF139848.D  
Acq: 18 Oct 2024 12:20

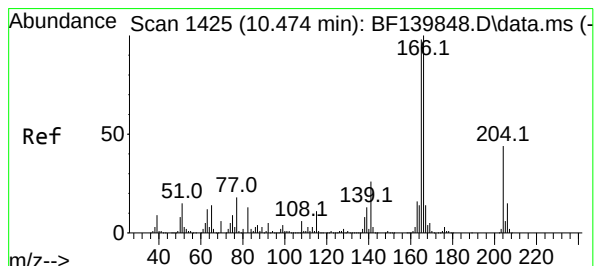
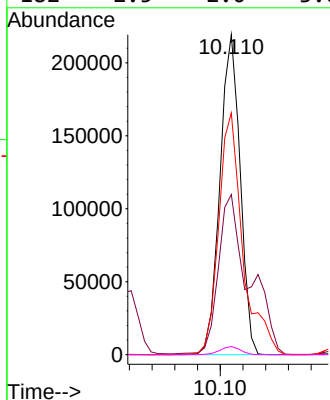
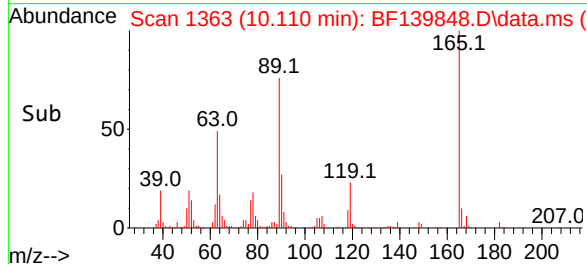
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICCC040



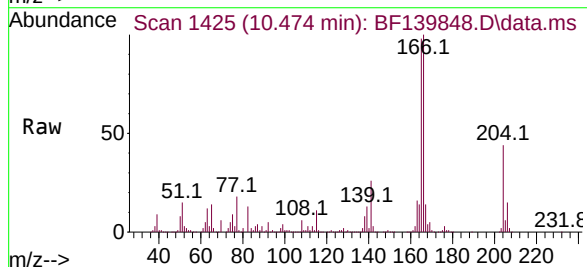
Tgt Ion:165 Resp: 270604  
Ion Ratio Lower Upper  
165 100  
63 50.1 40.1 60.1  
89 75.5 60.4 90.6  
182 2.5 2.0 3.0

Manual Integrations  
APPROVED

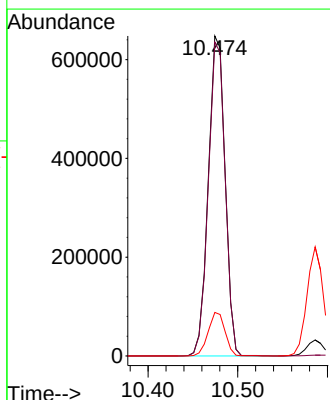
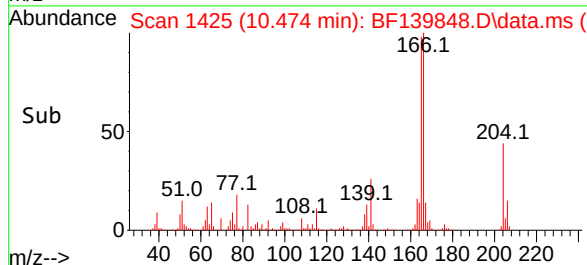
Reviewed By :Yogesh Patel 10/21/2024  
Supervised By :mohammad ahmed 10/21/2024

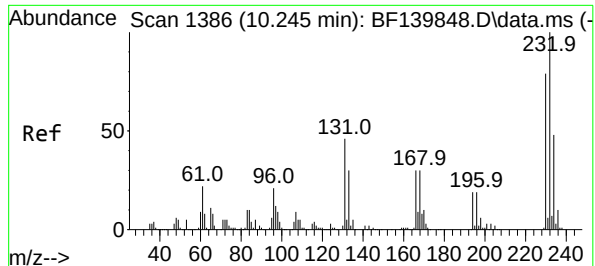


#58  
Fluorene  
Concen: 38.742 ng  
RT: 10.474 min Scan# 1425  
Delta R.T. 0.000 min  
Lab File: BF139848.D  
Acq: 18 Oct 2024 12:20



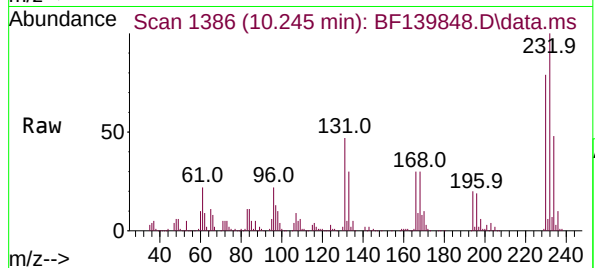
Tgt Ion:166 Resp: 843048  
Ion Ratio Lower Upper  
166 100  
165 98.1 78.5 117.7  
167 13.6 10.9 16.3





#59  
2,3,4,6-Tetrachlorophenol  
Concen: 40.087 ng  
RT: 10.245 min Scan# 1386  
Delta R.T. 0.000 min  
Lab File: BF139848.D  
Acq: 18 Oct 2024 12:20

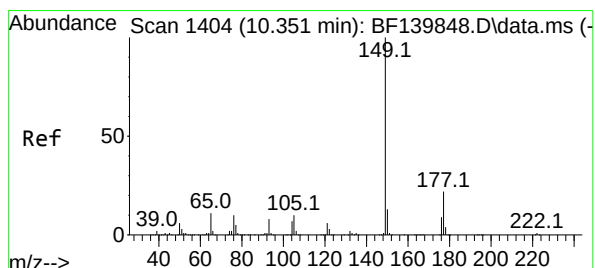
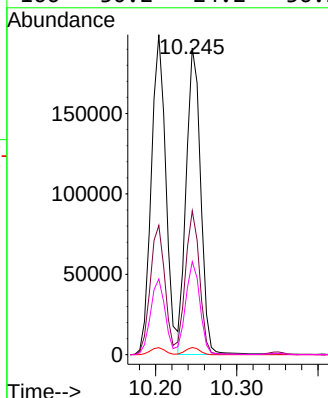
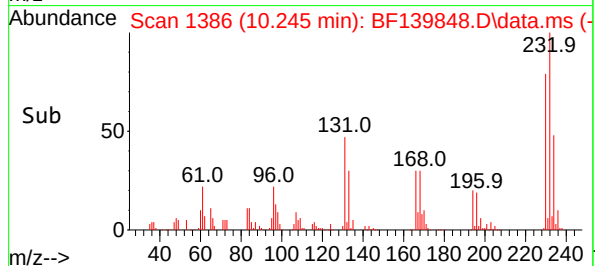
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICCC040



Tgt Ion:232 Resp: 23517  
Ion Ratio Lower Upper  
232 100  
131 46.3 37.0 55.6  
130 2.4 1.9 2.9  
166 30.2 24.2 36.2

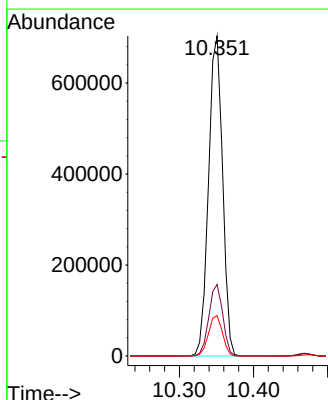
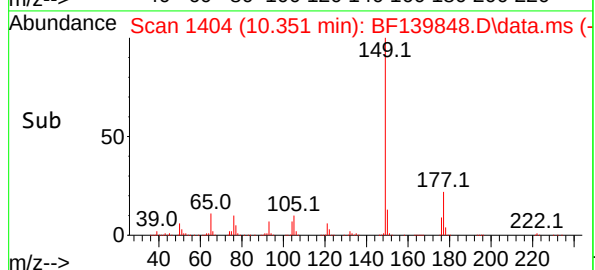
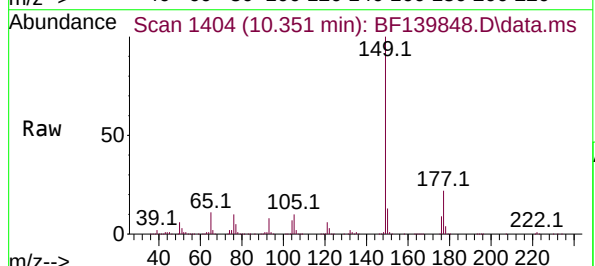
Manual Integrations  
APPROVED

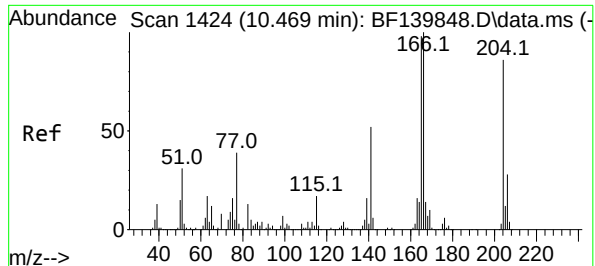
Reviewed By :Yogesh Patel 10/21/2024  
Supervised By :mohammad ahmed 10/21/2024



#60  
Diethylphthalate  
Concen: 39.715 ng  
RT: 10.351 min Scan# 1404  
Delta R.T. 0.000 min  
Lab File: BF139848.D  
Acq: 18 Oct 2024 12:20

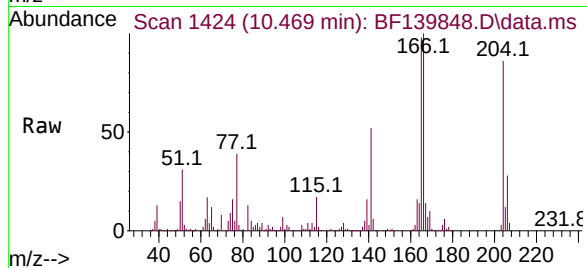
Tgt Ion:149 Resp: 922384  
Ion Ratio Lower Upper  
149 100  
177 22.4 17.9 26.9  
150 12.6 10.1 15.1





#61  
4-Chlorophenyl-phenylether  
Concen: 39.347 ng  
RT: 10.469 min Scan# 1424  
Delta R.T. 0.000 min  
Lab File: BF139848.D  
Acq: 18 Oct 2024 12:20

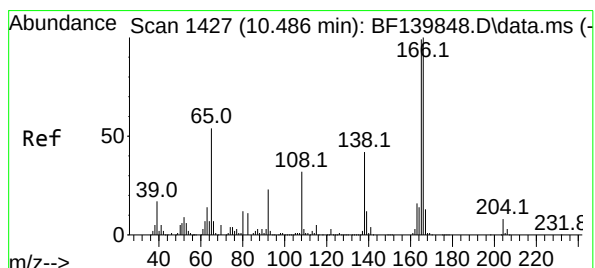
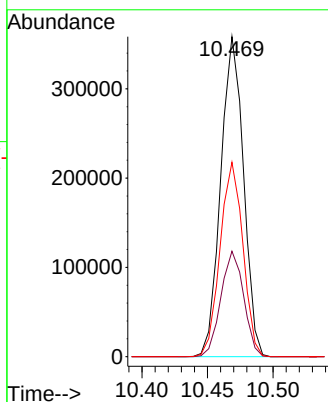
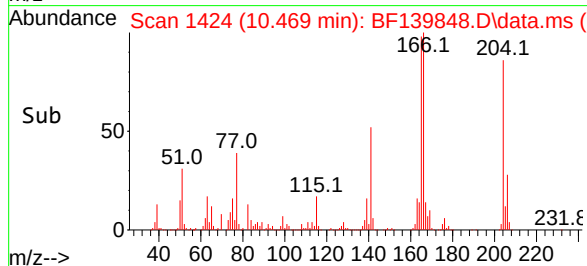
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICCC040



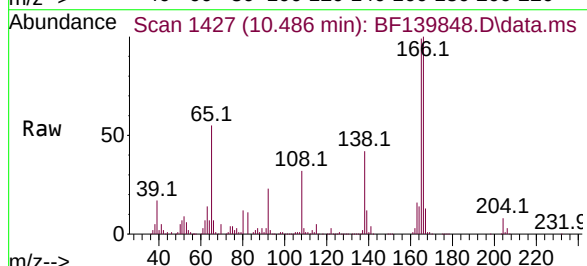
Tgt Ion:204 Resp: 43239  
Ion Ratio Lower Upper  
204 100  
206 32.9 26.3 39.5  
141 60.8 48.6 73.0

Manual Integrations  
APPROVED

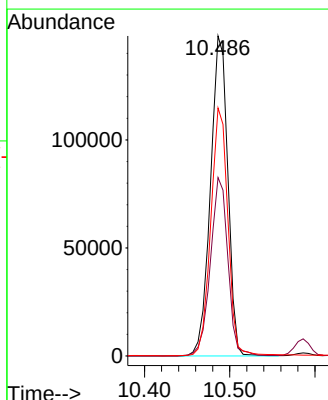
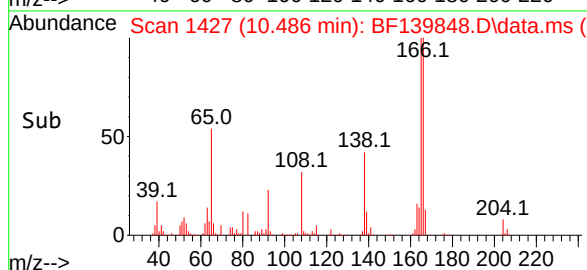
Reviewed By :Yogesh Patel 10/21/2024  
Supervised By :mohammad ahmed 10/21/2024

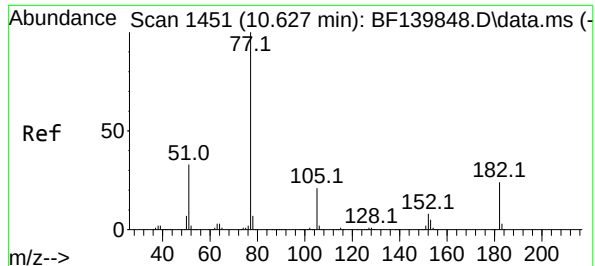


#62  
4-Nitroaniline  
Concen: 41.884 ng  
RT: 10.486 min Scan# 1427  
Delta R.T. 0.000 min  
Lab File: BF139848.D  
Acq: 18 Oct 2024 12:20



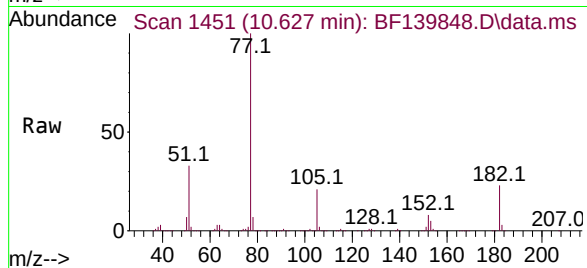
Tgt Ion:138 Resp: 208926  
Ion Ratio Lower Upper  
138 100  
92 55.7 35.7 75.7  
108 77.5 57.5 97.5





#63  
Azobenzene  
Concen: 40.289 ng  
RT: 10.627 min Scan# 1451  
Delta R.T. 0.000 min  
Lab File: BF139848.D  
Acq: 18 Oct 2024 12:20

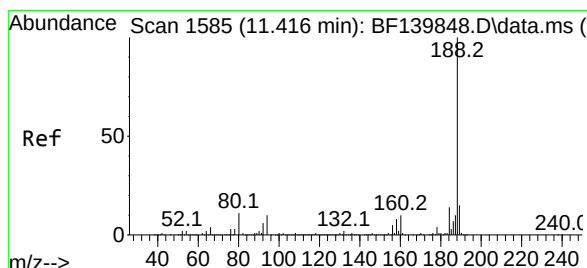
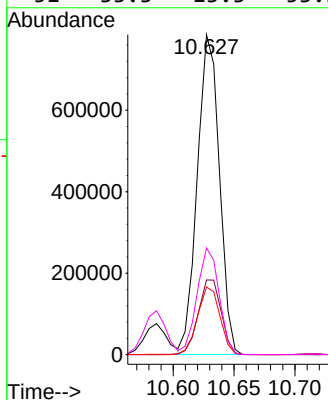
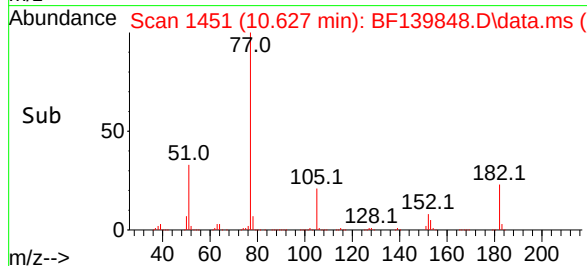
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICCC040



Tgt Ion: 77 Resp: 991989  
Ion Ratio Lower Upper  
77 100  
182 23.3 3.3 43.3  
105 21.2 1.2 41.2  
51 33.3 13.3 53.3

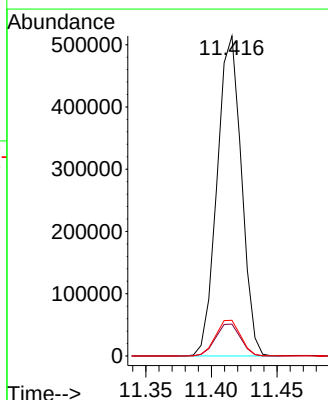
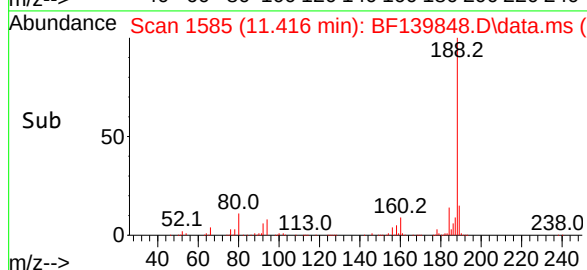
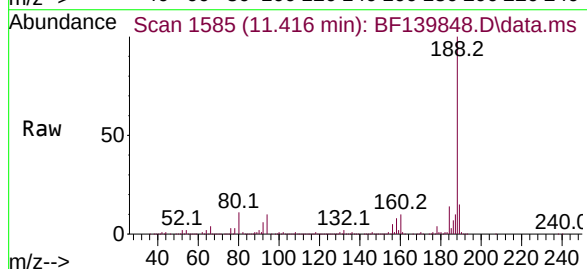
Manual Integrations  
APPROVED

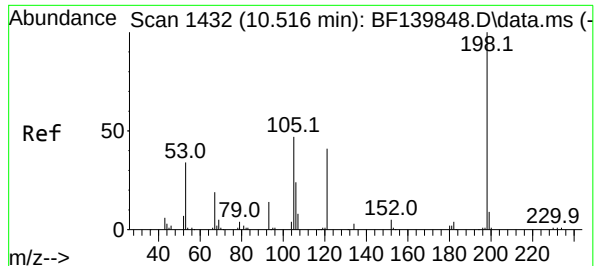
Reviewed By :Yogesh Patel 10/21/2024  
Supervised By :mohammad ahmed 10/21/2024



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.416 min Scan# 1585  
Delta R.T. 0.000 min  
Lab File: BF139848.D  
Acq: 18 Oct 2024 12:20

Tgt Ion:188 Resp: 663459  
Ion Ratio Lower Upper  
188 100  
94 9.9 7.9 11.9  
80 11.2 9.0 13.4





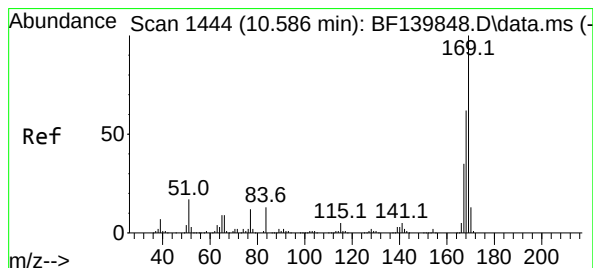
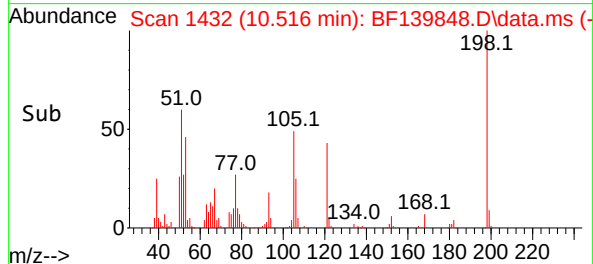
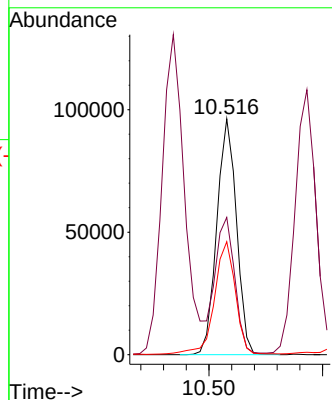
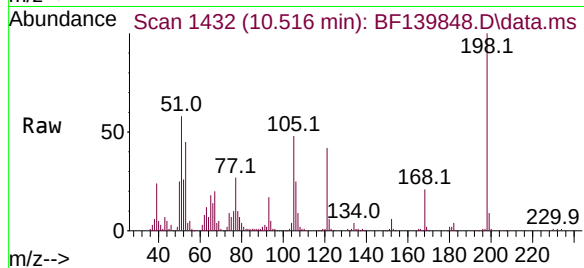
#65  
4,6-Dinitro-2-methylphenol  
Concen: 42.799 ng  
RT: 10.516 min Scan# 1432  
Delta R.T. -0.000 min  
Lab File: BF139848.D  
Acq: 18 Oct 2024 12:20

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICCC040

Tgt Ion:198 Resp: 115824  
Ion Ratio Lower Upper  
198 100  
51 58.2 38.2 78.2  
105 47.9 27.9 67.9

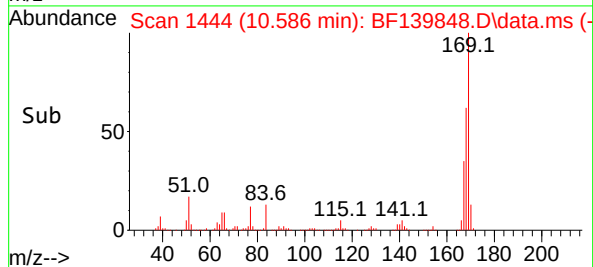
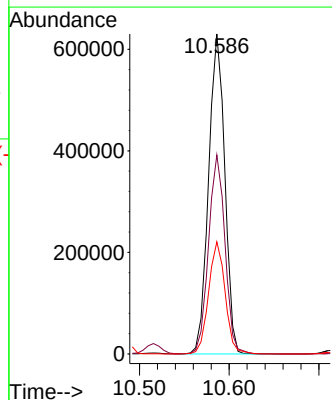
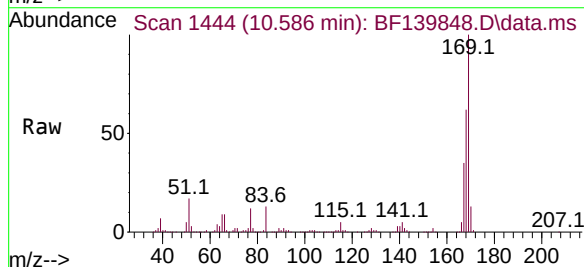
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 10/21/2024  
Supervised By :mohammad ahmed 10/21/2024

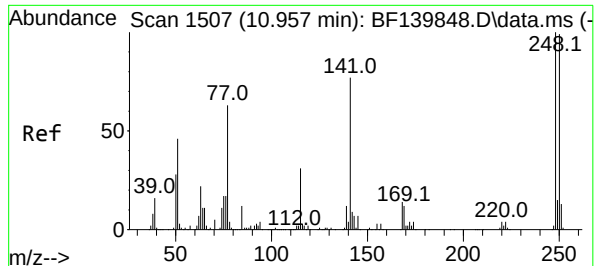


#66  
n-Nitrosodiphenylamine  
Concen: 39.772 ng  
RT: 10.586 min Scan# 1444  
Delta R.T. 0.000 min  
Lab File: BF139848.D  
Acq: 18 Oct 2024 12:20

Tgt Ion:169 Resp: 789753  
Ion Ratio Lower Upper  
169 100  
168 62.2 49.8 74.6  
167 35.0 28.0 42.0

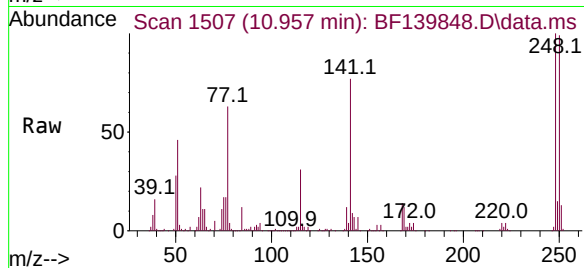






#67  
4-Bromophenyl-phenylether  
Concen: 39.285 ng  
RT: 10.957 min Scan# 1507  
Delta R.T. 0.000 min  
Lab File: BF139848.D  
Acq: 18 Oct 2024 12:20

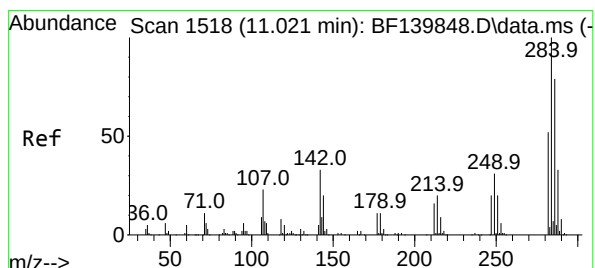
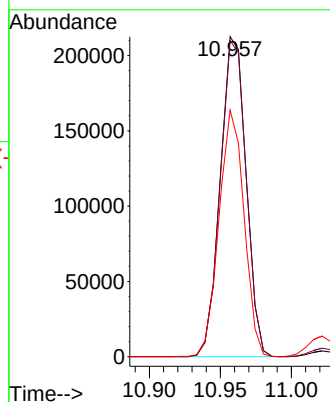
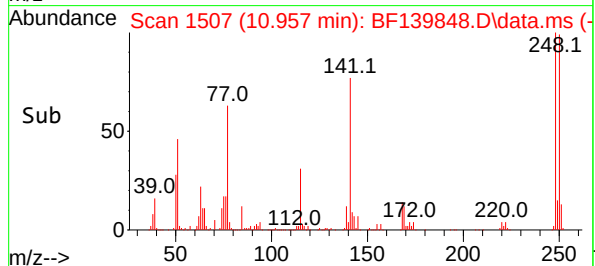
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICCC040



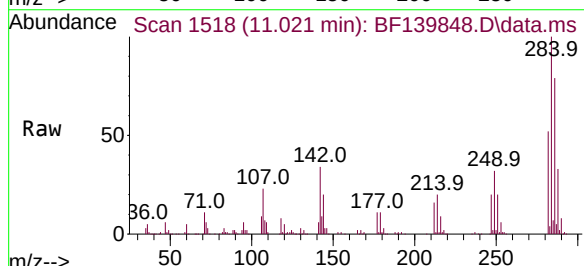
Tgt Ion:248 Resp: 268509  
Ion Ratio Lower Upper  
248 100  
250 98.8 79.0 118.6  
141 77.1 61.7 92.5

Manual Integrations  
APPROVED

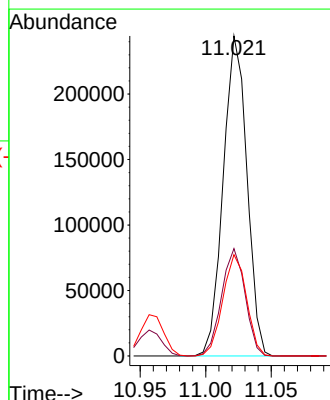
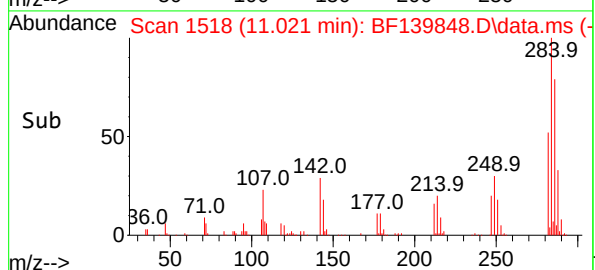
Reviewed By :Yogesh Patel 10/21/2024  
Supervised By :mohammad ahmed 10/21/2024

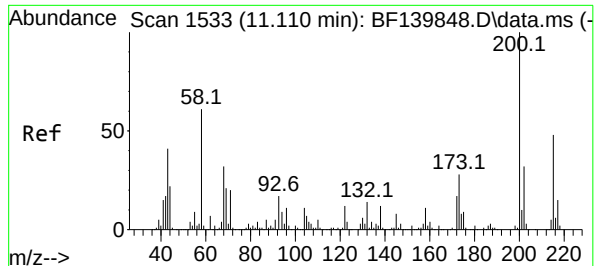


#68  
Hexachlorobenzene  
Concen: 39.927 ng  
RT: 11.021 min Scan# 1518  
Delta R.T. 0.000 min  
Lab File: BF139848.D  
Acq: 18 Oct 2024 12:20



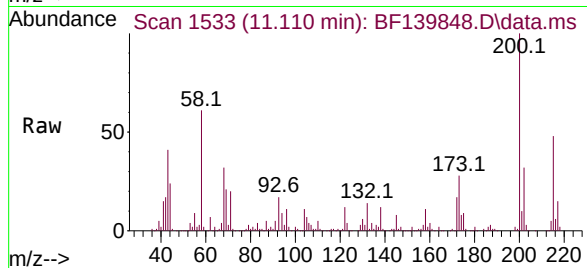
Tgt Ion:284 Resp: 306919  
Ion Ratio Lower Upper  
284 100  
142 33.6 26.9 40.3  
249 31.6 25.3 37.9





#69  
Atrazine  
Concen: 43.145 ng  
RT: 11.110 min Scan# 1533  
Delta R.T. 0.000 min  
Lab File: BF139848.D  
Acq: 18 Oct 2024 12:20

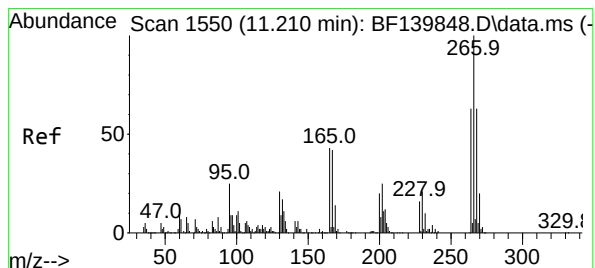
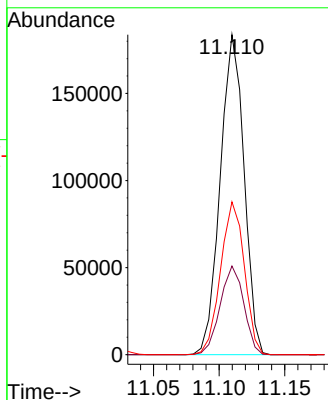
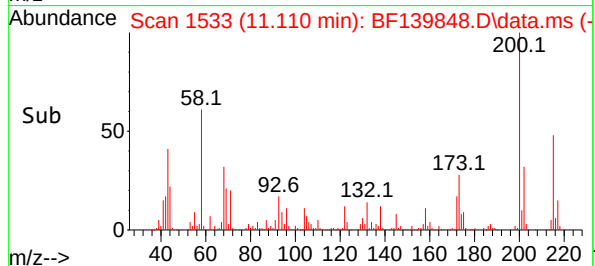
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICCC040



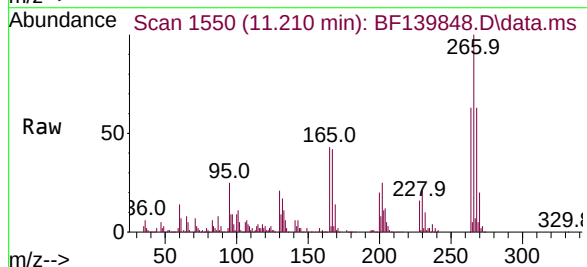
Tgt Ion:200 Resp: 232078  
Ion Ratio Lower Upper  
200 100  
173 27.7 7.7 47.7  
215 47.7 27.7 67.7

Manual Integrations  
APPROVED

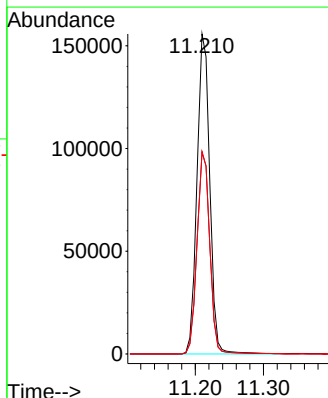
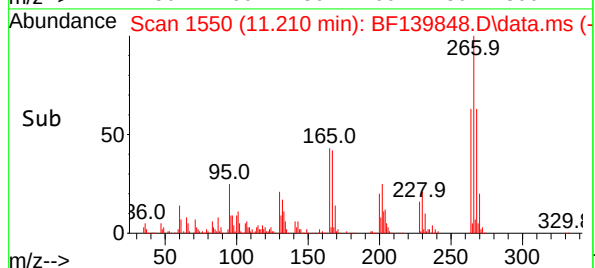
Reviewed By :Yogesh Patel 10/21/2024  
Supervised By :mohammad ahmed 10/21/2024

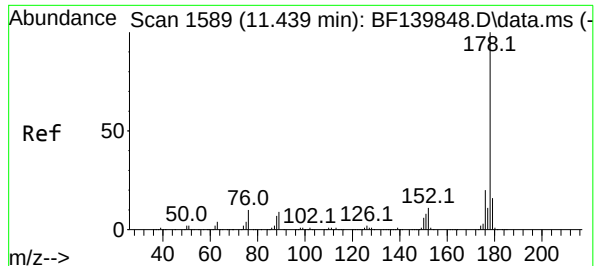


#70  
Pentachlorophenol  
Concen: 43.204 ng  
RT: 11.210 min Scan# 1550  
Delta R.T. 0.000 min  
Lab File: BF139848.D  
Acq: 18 Oct 2024 12:20



Tgt Ion:266 Resp: 201559  
Ion Ratio Lower Upper  
266 100  
268 63.0 50.4 75.6  
264 63.2 50.6 75.8





#71

Phenanthrene

Concen: 39.508 ng

RT: 11.439 min Scan# 1589

Delta R.T. 0.000 min

Lab File: BF139848.D

Acq: 18 Oct 2024 12:20

Instrument :

BNA\_F

ClientSampleId :

SSTDICCC040

Tgt Ion:178 Resp: 123815

Ion Ratio Lower Upper

178 100

176 19.7 15.8 23.6

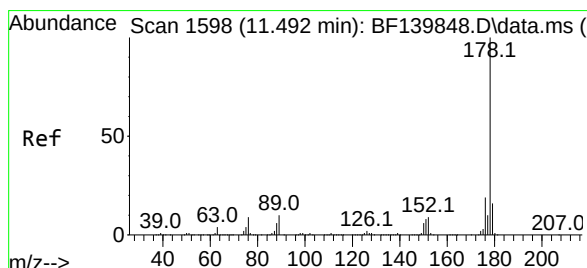
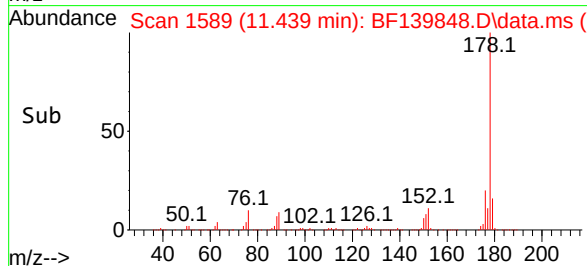
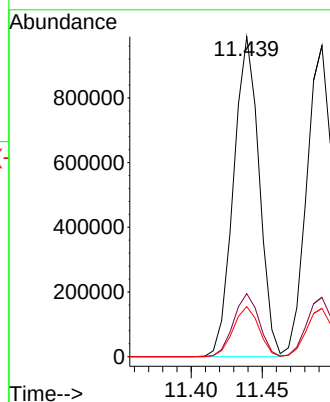
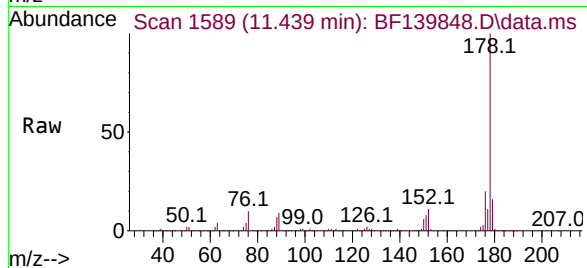
179 15.7 12.6 18.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#72

Anthracene

Concen: 39.628 ng

RT: 11.492 min Scan# 1598

Delta R.T. 0.000 min

Lab File: BF139848.D

Acq: 18 Oct 2024 12:20

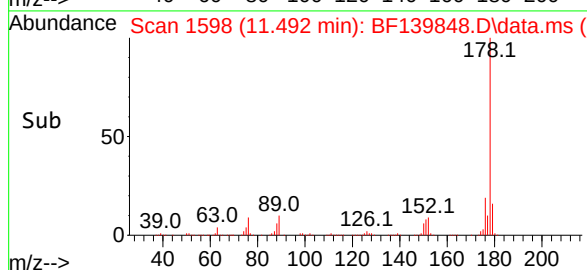
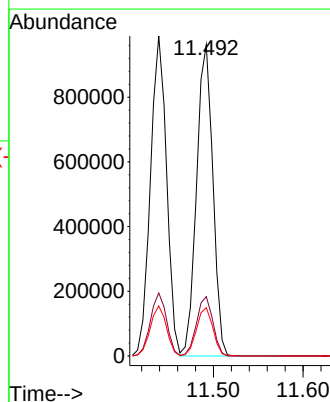
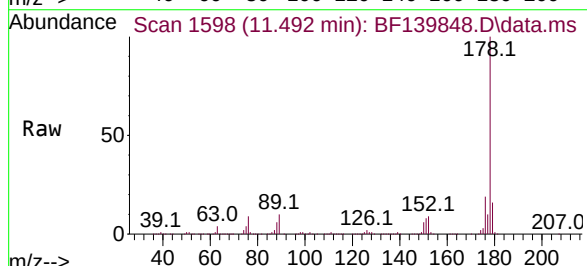
Tgt Ion:178 Resp: 1211718

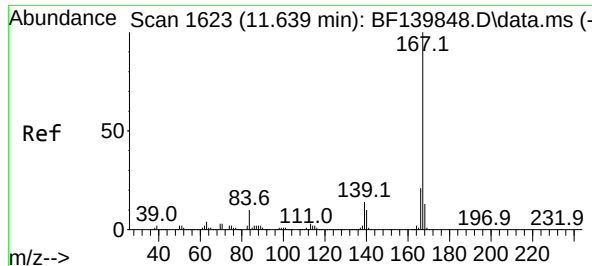
Ion Ratio Lower Upper

178 100

176 19.1 15.3 22.9

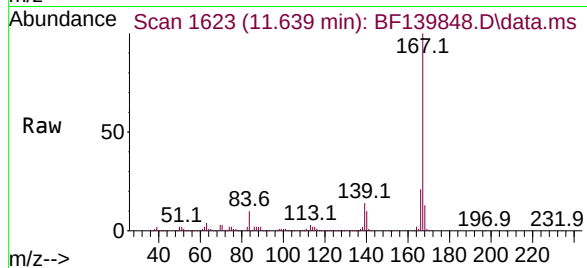
179 15.5 12.4 18.6





#73  
Carbazole  
Concen: 39.475 ng  
RT: 11.639 min Scan# 1623  
Delta R.T. 0.000 min  
Lab File: BF139848.D  
Acq: 18 Oct 2024 12:20

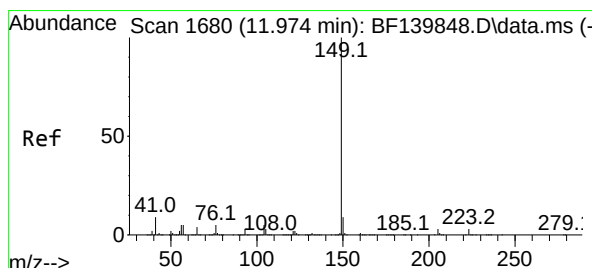
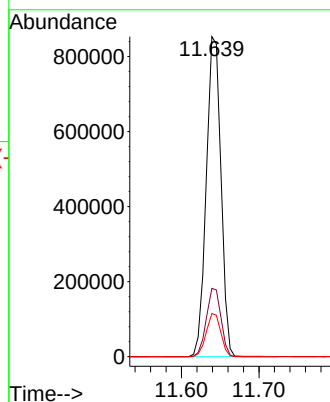
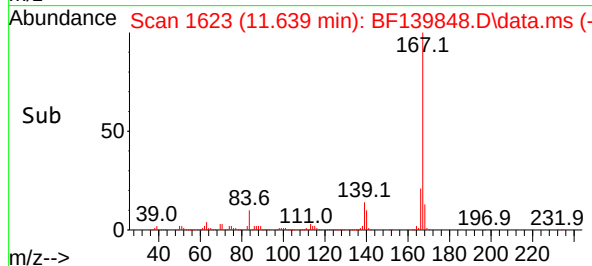
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICCC040



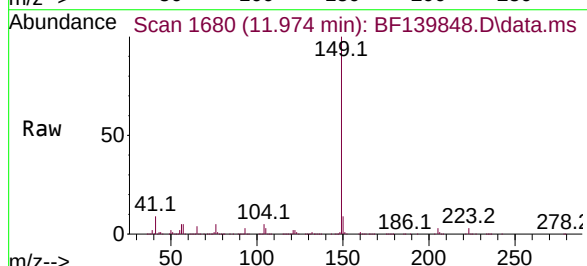
Tgt Ion:167 Resp: 1122560  
Ion Ratio Lower Upper  
167 100  
166 21.3 17.0 25.6  
139 13.5 10.8 16.2

Manual Integrations  
APPROVED

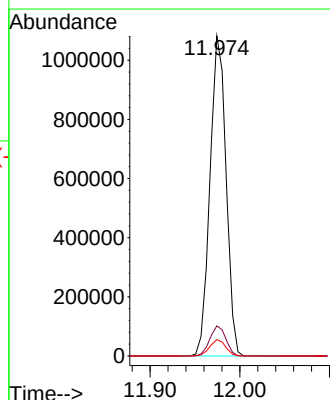
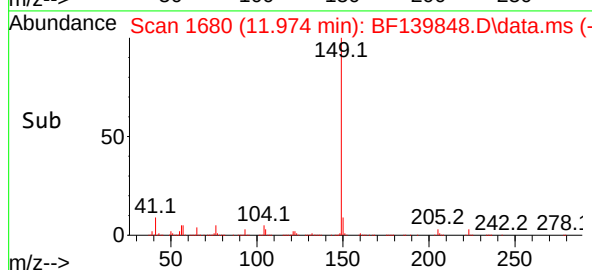
Reviewed By :Yogesh Patel 10/21/2024  
Supervised By :mohammad ahmed 10/21/2024

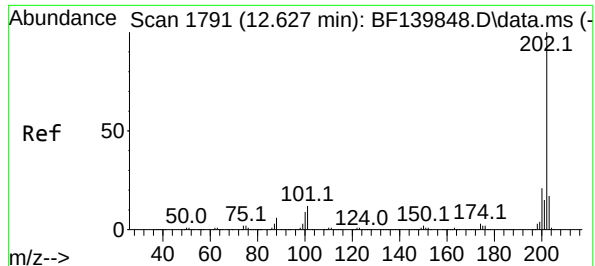


#74  
Di-n-butylphthalate  
Concen: 40.965 ng  
RT: 11.974 min Scan# 1680  
Delta R.T. 0.000 min  
Lab File: BF139848.D  
Acq: 18 Oct 2024 12:20



Tgt Ion:149 Resp: 1345878  
Ion Ratio Lower Upper  
149 100  
150 9.4 7.5 11.3  
104 5.1 4.1 6.1





#75

Fluoranthene

Concen: 39.493 ng

RT: 12.627 min Scan# 1791

Delta R.T. 0.000 min

Lab File: BF139848.D

Acq: 18 Oct 2024 12:20

Instrument :

BNA\_F

ClientSampleId :

SSTDICCC040

Tgt Ion:202 Resp: 125120

Ion Ratio Lower Upper

202 100

101 11.9 0.0 31.9

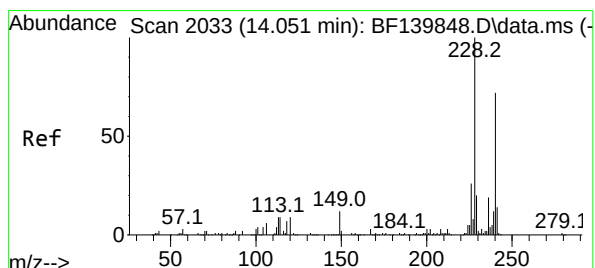
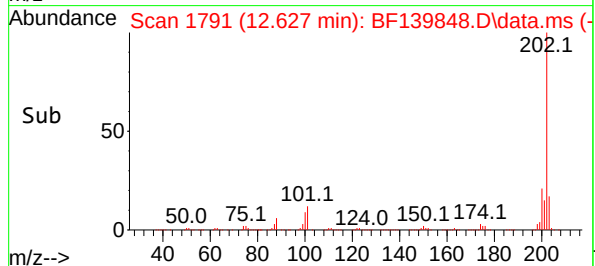
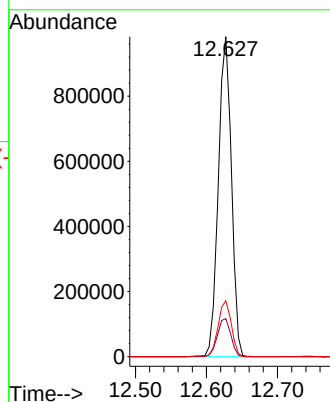
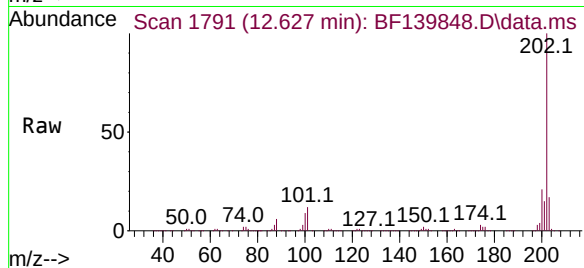
203 17.5 0.0 37.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.051 min Scan# 2033

Delta R.T. 0.000 min

Lab File: BF139848.D

Acq: 18 Oct 2024 12:20

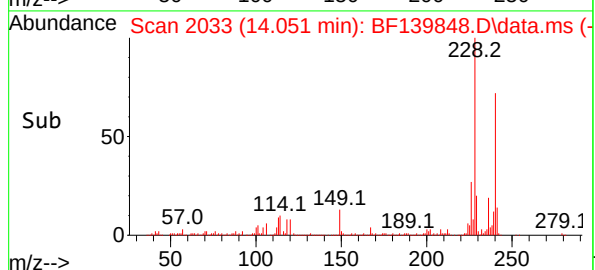
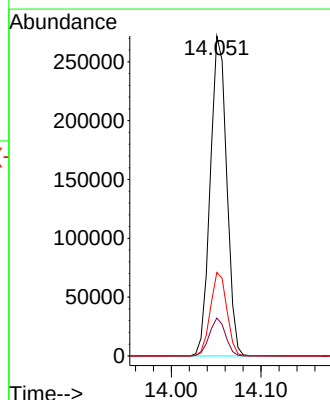
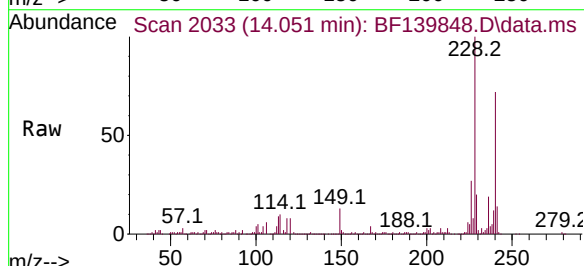
Tgt Ion:240 Resp: 345800

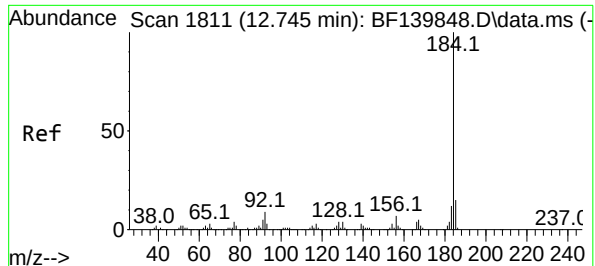
Ion Ratio Lower Upper

240 100

120 11.8 9.4 14.2

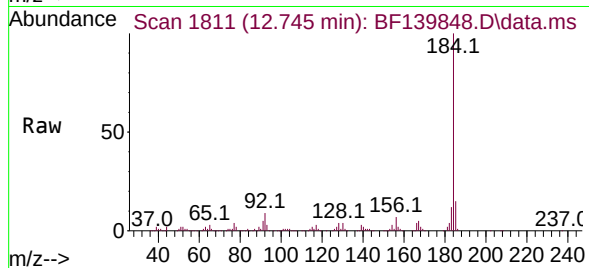
236 26.1 20.9 31.3





#77  
Benzidine  
Concen: 44.967 ng  
RT: 12.745 min Scan# 1811  
Delta R.T. -0.000 min  
Lab File: BF139848.D  
Acq: 18 Oct 2024 12:20

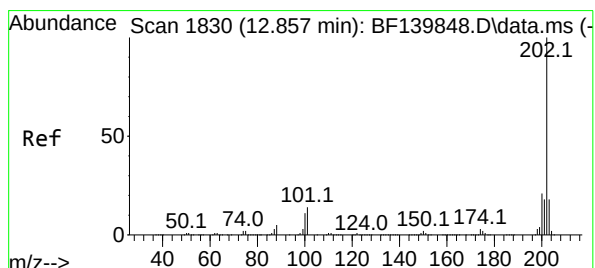
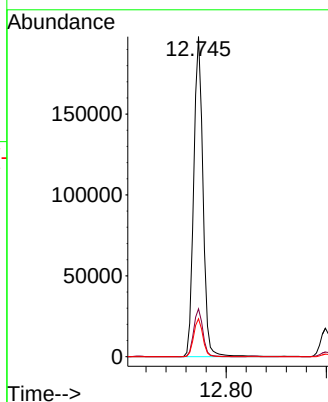
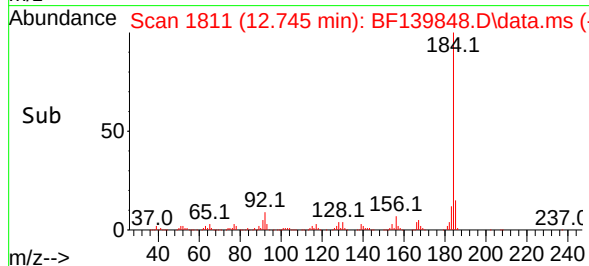
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICCC040



Tgt Ion:184 Resp: 25289  
Ion Ratio Lower Upper  
184 100  
185 15.0 12.0 18.0  
183 11.8 9.4 14.2

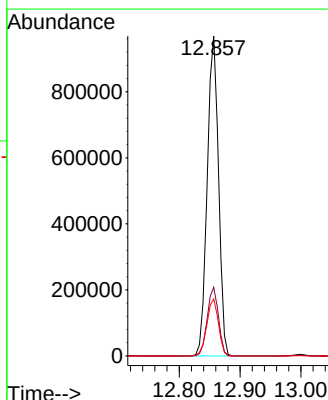
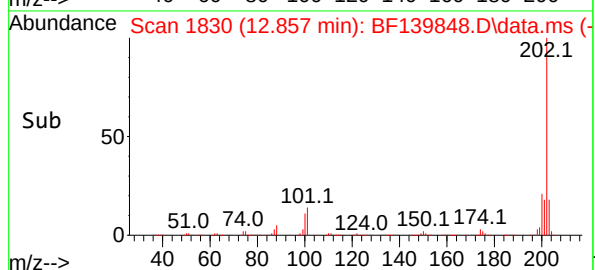
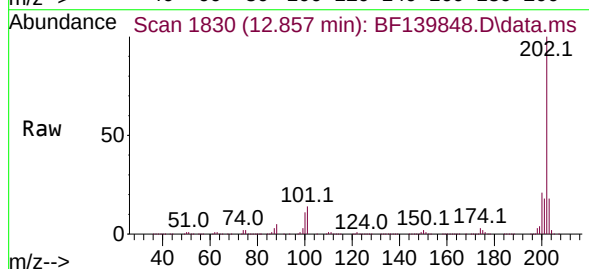
Manual Integrations  
APPROVED

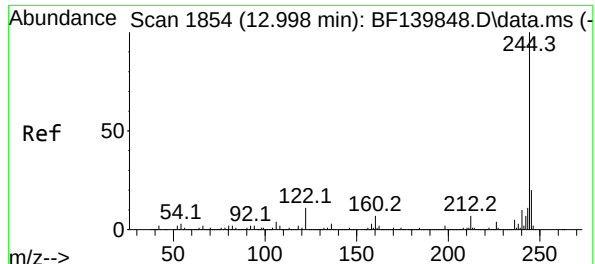
Reviewed By :Yogesh Patel 10/21/2024  
Supervised By :mohammad ahmed 10/21/2024



#78  
Pyrene  
Concen: 41.241 ng  
RT: 12.857 min Scan# 1830  
Delta R.T. 0.000 min  
Lab File: BF139848.D  
Acq: 18 Oct 2024 12:20

Tgt Ion:202 Resp: 1248309  
Ion Ratio Lower Upper  
202 100  
200 21.5 17.2 25.8  
203 17.8 14.2 21.4





#79

Terphenyl-d14

Concen: 81.103 ng

RT: 12.998 min Scan# 1854

Delta R.T. 0.000 min

Lab File: BF139848.D

Acq: 18 Oct 2024 12:20

Instrument :

BNA\_F

ClientSampleId :

SSTDICCC040

Tgt Ion:244 Resp: 1721125

Ion Ratio Lower Upper

244 100

212 7.1 5.7 8.5

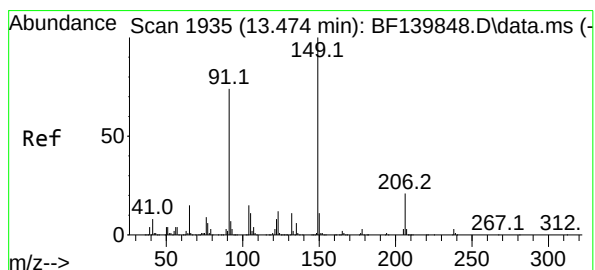
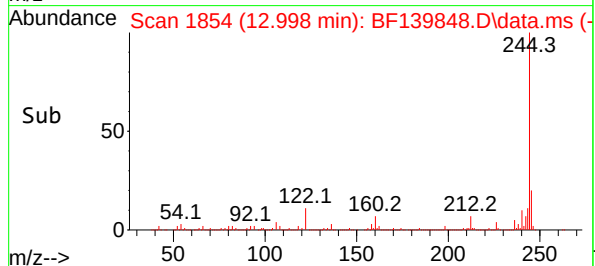
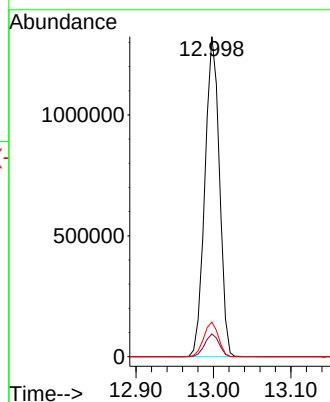
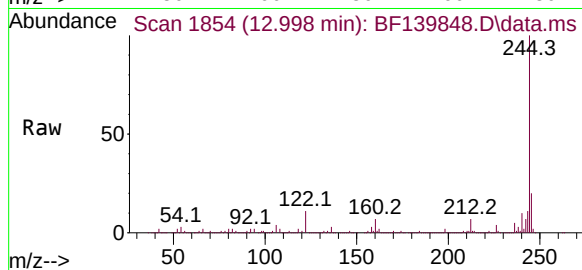
122 10.8 8.6 13.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#80

Butylbenzylphthalate

Concen: 42.297 ng

RT: 13.474 min Scan# 1935

Delta R.T. 0.000 min

Lab File: BF139848.D

Acq: 18 Oct 2024 12:20

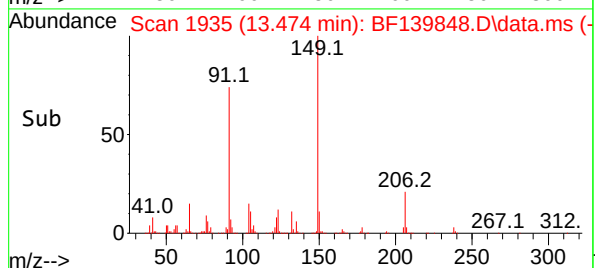
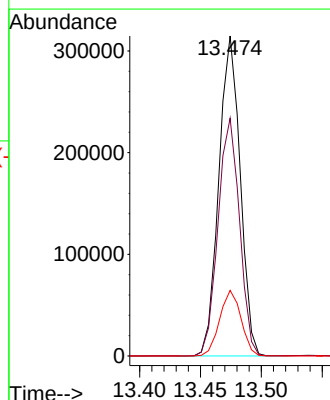
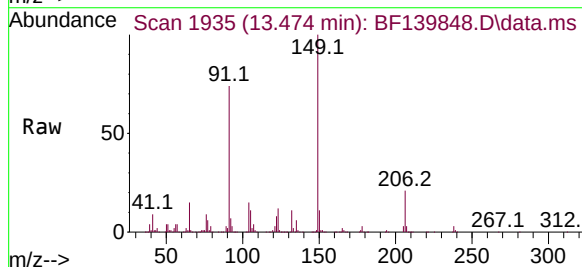
Tgt Ion:149 Resp: 383831

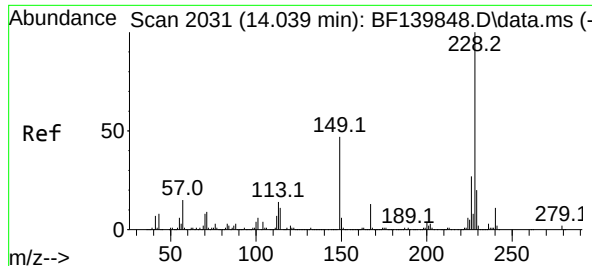
Ion Ratio Lower Upper

149 100

91 74.3 59.4 89.2

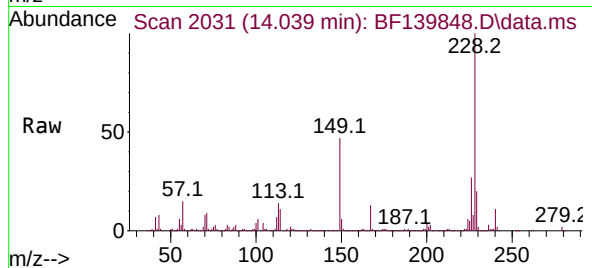
206 20.5 16.4 24.6





#81  
Benzo(a)anthracene  
Concen: 40.901 ng  
RT: 14.039 min Scan# 2031  
Delta R.T. 0.000 min  
Lab File: BF139848.D  
Acq: 18 Oct 2024 12:20

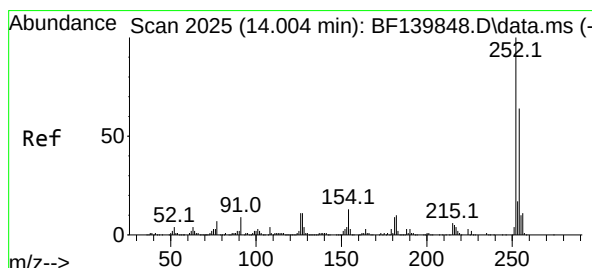
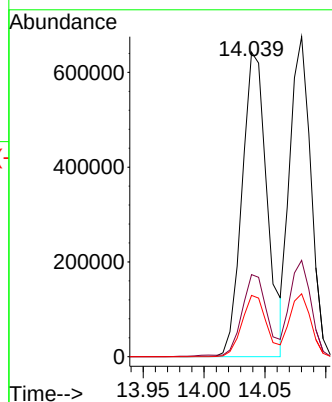
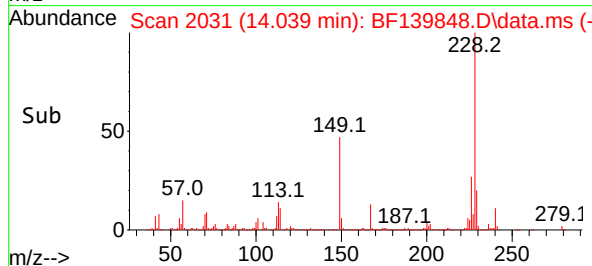
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICCC040



Tgt Ion:228 Resp: 920698  
Ion Ratio Lower Upper  
228 100  
226 27.0 21.6 32.4  
229 20.1 16.1 24.1

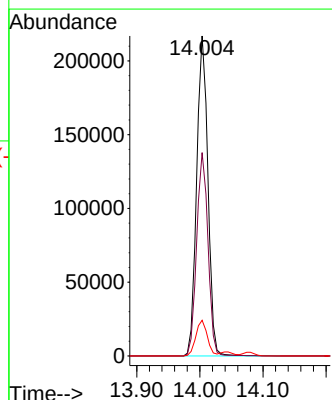
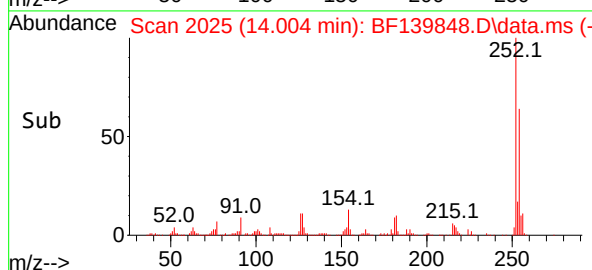
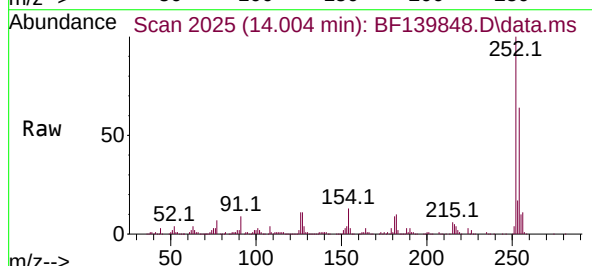
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 10/21/2024  
Supervised By :mohammad ahmed 10/21/2024

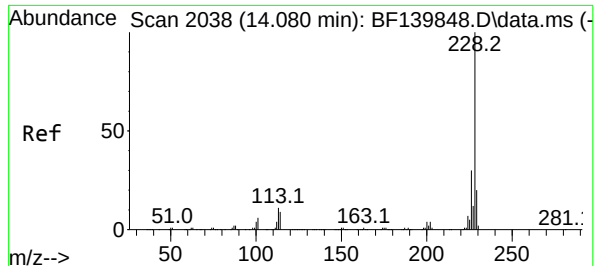


#82  
3,3'-Dichlorobenzidine  
Concen: 40.798 ng  
RT: 14.004 min Scan# 2025  
Delta R.T. 0.000 min  
Lab File: BF139848.D  
Acq: 18 Oct 2024 12:20

Tgt Ion:252 Resp: 267769  
Ion Ratio Lower Upper  
252 100  
254 63.5 50.8 76.2  
126 11.1 8.9 13.3

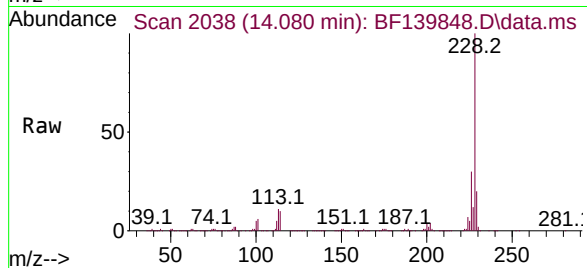






#83  
Chrysene  
Concen: 39.098 ng  
RT: 14.080 min Scan# 2038  
Delta R.T. 0.000 min  
Lab File: BF139848.D  
Acq: 18 Oct 2024 12:20

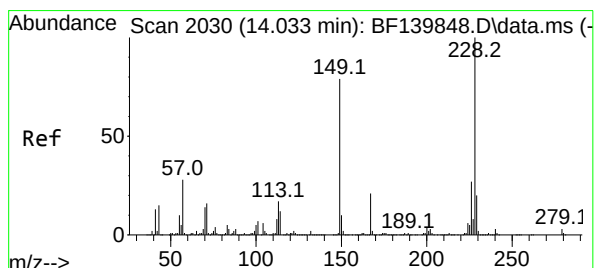
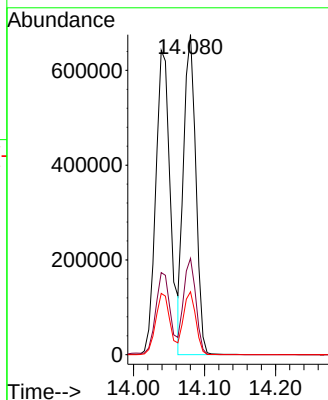
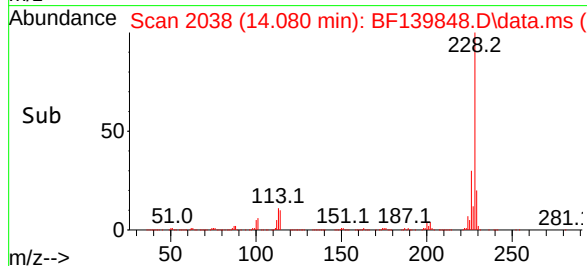
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICCC040



Tgt Ion:228 Resp: 806950  
Ion Ratio Lower Upper  
228 100  
226 30.1 24.1 36.1  
229 19.7 15.8 23.6

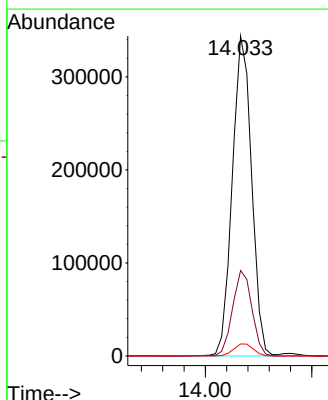
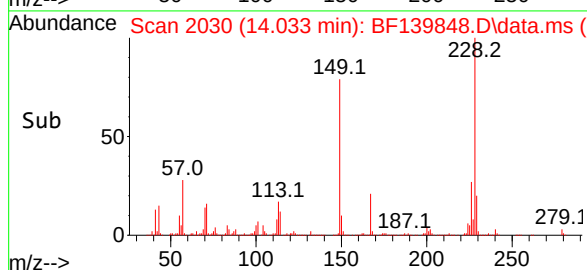
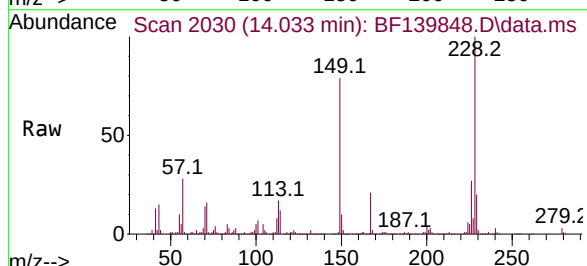
Manual Integrations  
APPROVED

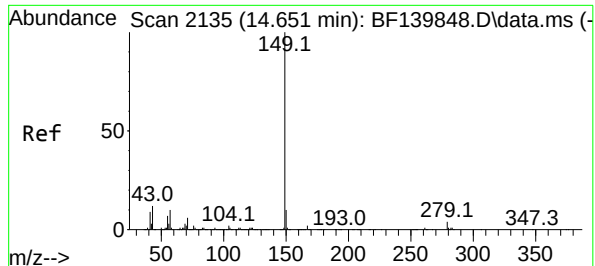
Reviewed By :Yogesh Patel 10/21/2024  
Supervised By :mohammad ahmed 10/21/2024



#84  
Bis(2-ethylhexyl)phthalate  
Concen: 42.504 ng  
RT: 14.033 min Scan# 2030  
Delta R.T. 0.000 min  
Lab File: BF139848.D  
Acq: 18 Oct 2024 12:20

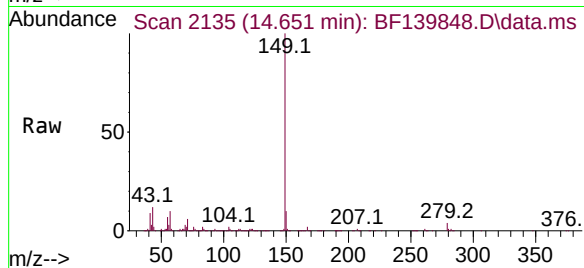
Tgt Ion:149 Resp: 432750  
Ion Ratio Lower Upper  
149 100  
167 26.7 21.4 32.0  
279 3.7 3.0 4.4





#85  
Di-n-octyl phthalate  
Concen: 42.399 ng  
RT: 14.651 min Scan# 2135  
Delta R.T. -0.000 min  
Lab File: BF139848.D  
Acq: 18 Oct 2024 12:20

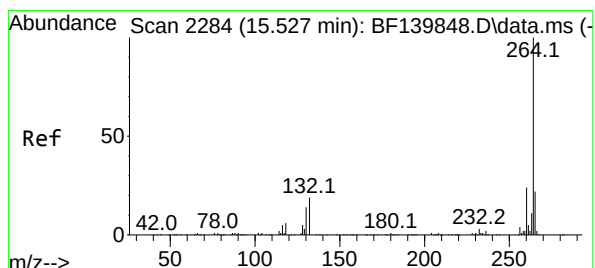
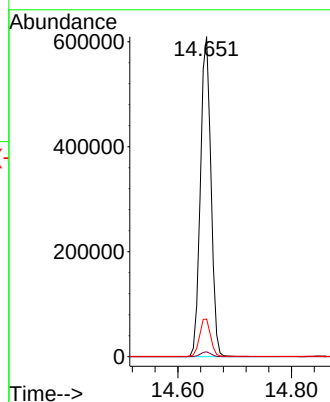
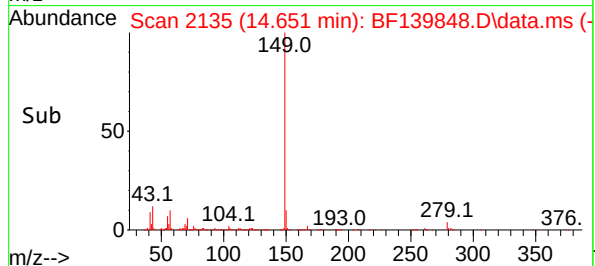
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICCC040



Tgt Ion:149 Resp: 785179  
Ion Ratio Lower Upper  
149 100  
167 1.5 1.2 1.8  
43 12.2 9.8 14.6

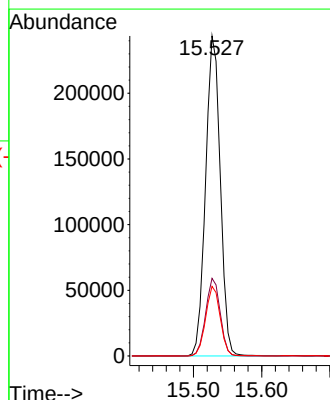
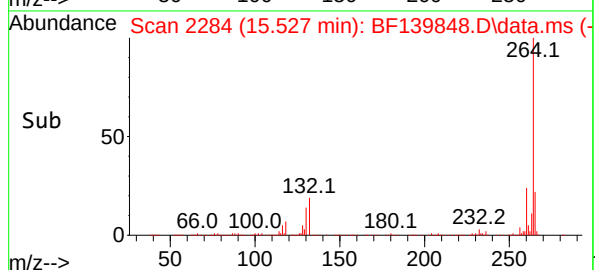
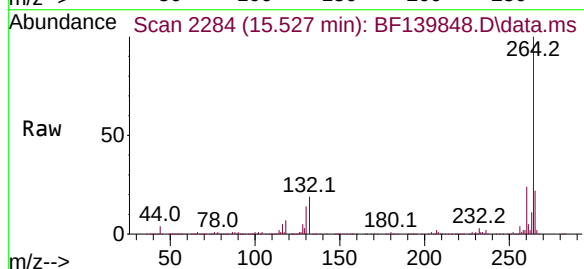
Manual Integrations  
APPROVED

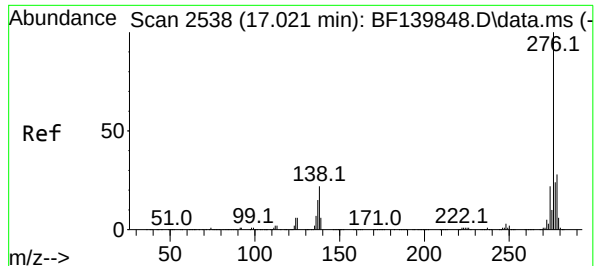
Reviewed By :Yogesh Patel 10/21/2024  
Supervised By :mohammad ahmed 10/21/2024



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.527 min Scan# 2284  
Delta R.T. 0.000 min  
Lab File: BF139848.D  
Acq: 18 Oct 2024 12:20

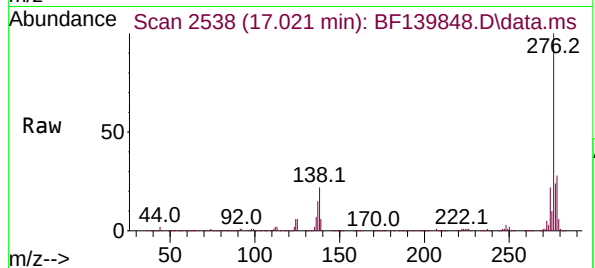
Tgt Ion:264 Resp: 365076  
Ion Ratio Lower Upper  
264 100  
260 24.3 19.4 29.2  
265 21.7 17.4 26.0





#87  
Indeno(1,2,3-cd)pyrene  
Concen: 42.039 ng  
RT: 17.021 min Scan# 2538  
Delta R.T. 0.000 min  
Lab File: BF139848.D  
Acq: 18 Oct 2024 12:20

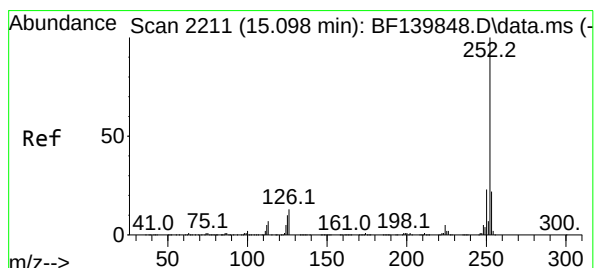
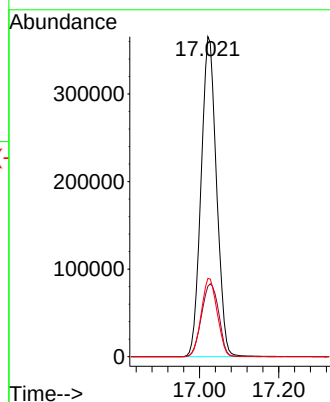
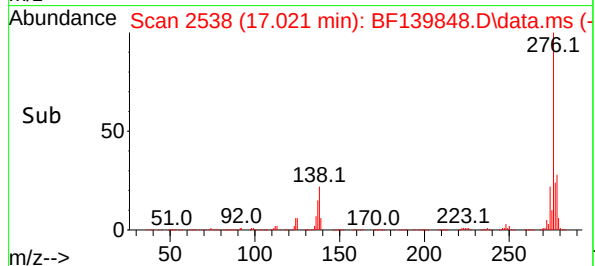
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICCC040



Tgt Ion:276 Resp: 987345  
Ion Ratio Lower Upper  
276 100  
138 25.5 20.4 30.6  
277 25.3 20.2 30.4

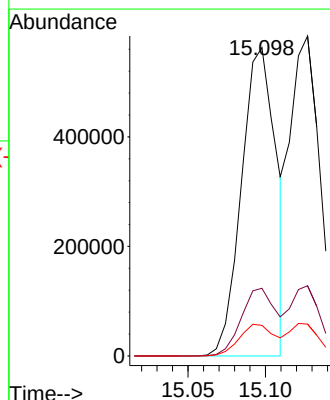
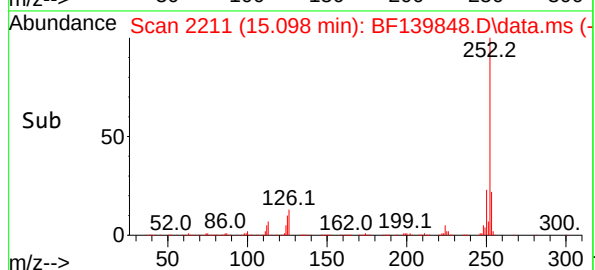
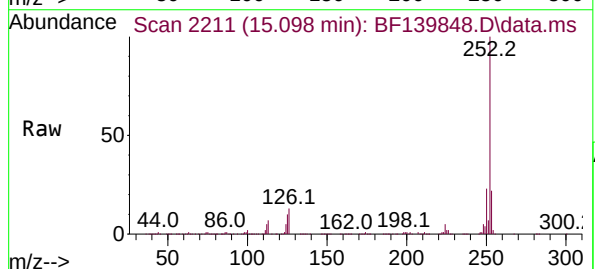
Manual Integrations  
APPROVED

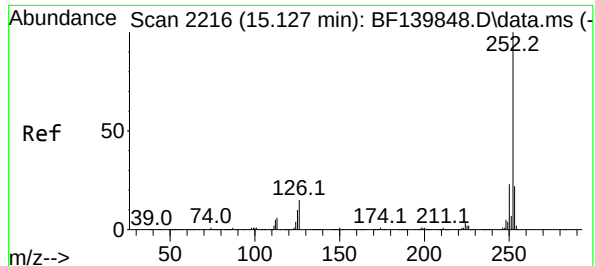
Reviewed By :Yogesh Patel 10/21/2024  
Supervised By :mohammad ahmed 10/21/2024



#88  
Benzo(b)fluoranthene  
Concen: 39.263 ng  
RT: 15.098 min Scan# 2211  
Delta R.T. 0.000 min  
Lab File: BF139848.D  
Acq: 18 Oct 2024 12:20

Tgt Ion:252 Resp: 873168  
Ion Ratio Lower Upper  
252 100  
253 22.0 17.6 26.4  
125 9.9 7.9 11.9





#89

Benzo(k)fluoranthene

Concen: 40.589 ng

RT: 15.127 min Scan# 2216

Delta R.T. 0.000 min

Lab File: BF139848.D

Acq: 18 Oct 2024 12:20

Instrument :

BNA\_F

ClientSampleId :

SSTDICCC040

Tgt Ion:252 Resp: 778470

Ion Ratio Lower Upper

252 100

253 22.0 17.6 26.4

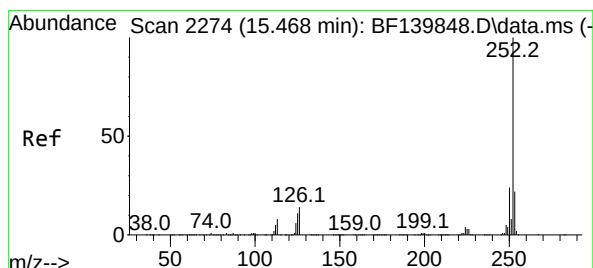
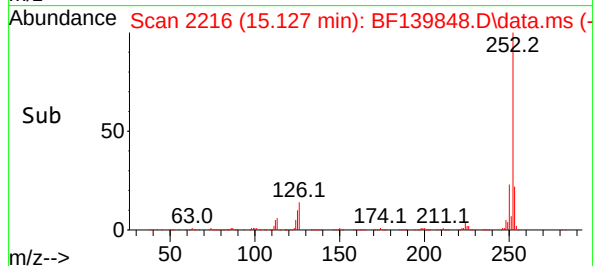
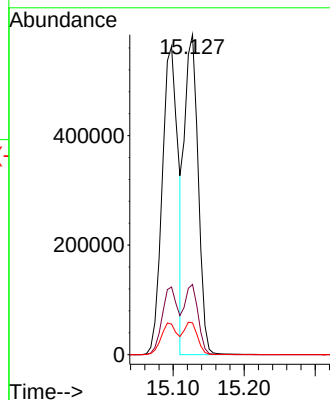
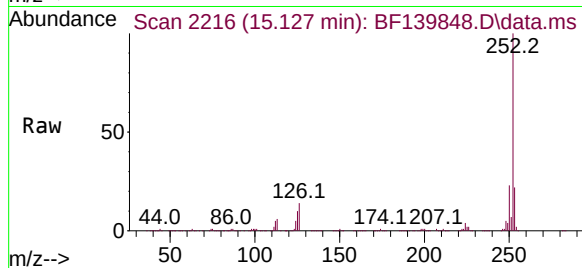
125 9.9 7.9 11.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#90

Benzo(a)pyrene

Concen: 40.905 ng

RT: 15.468 min Scan# 2274

Delta R.T. 0.000 min

Lab File: BF139848.D

Acq: 18 Oct 2024 12:20

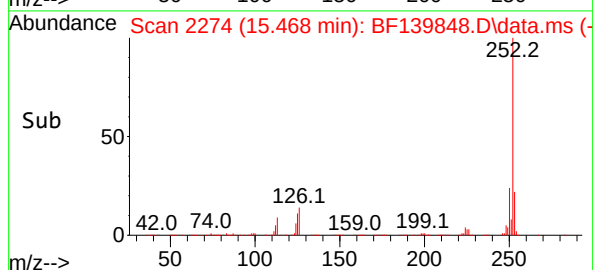
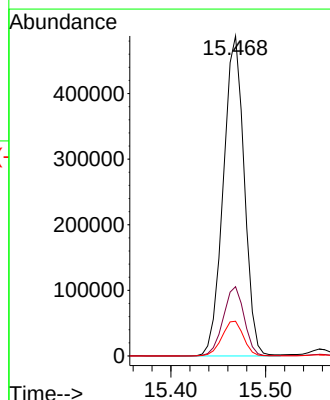
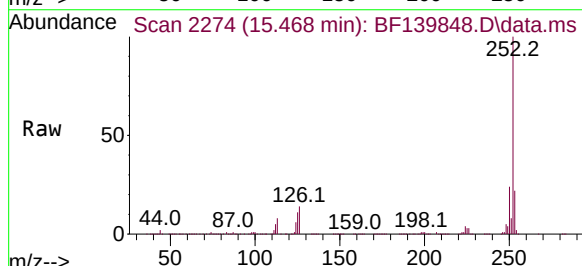
Tgt Ion:252 Resp: 748507

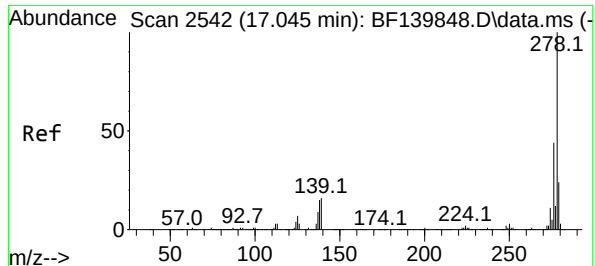
Ion Ratio Lower Upper

252 100

253 21.6 17.3 25.9

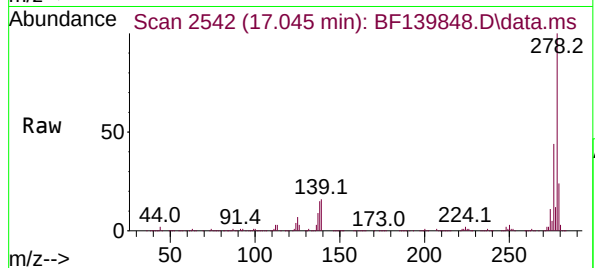
125 10.9 8.7 13.1





#91  
Dibenzo(a,h)anthracene  
Concen: 41.752 ng  
RT: 17.045 min Scan# 2542  
Delta R.T. 0.000 min  
Lab File: BF139848.D  
Acq: 18 Oct 2024 12:20

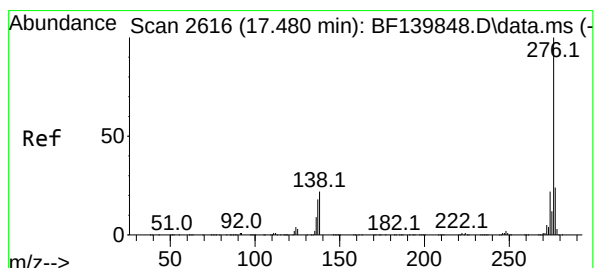
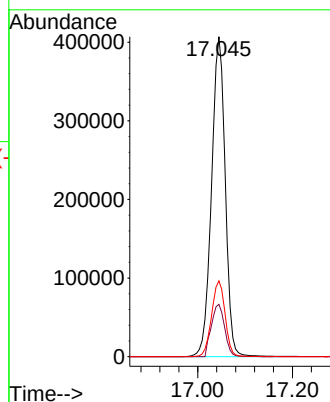
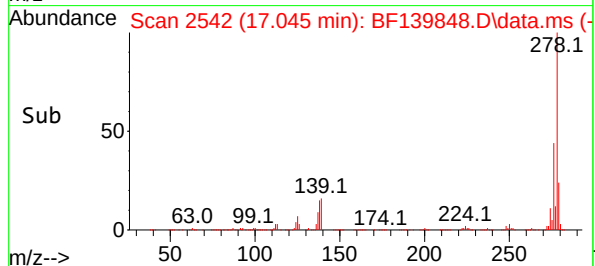
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICCC040



Tgt Ion:278 Resp: 818044  
Ion Ratio Lower Upper  
278 100  
139 16.4 13.1 19.7  
279 23.7 19.0 28.4

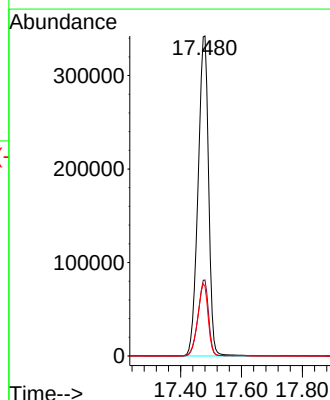
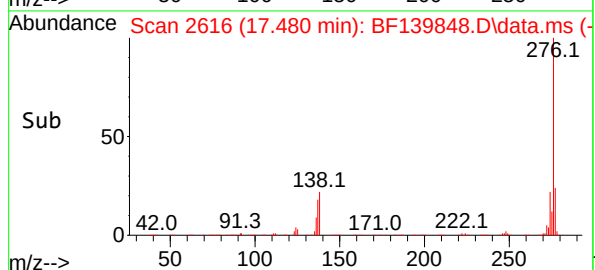
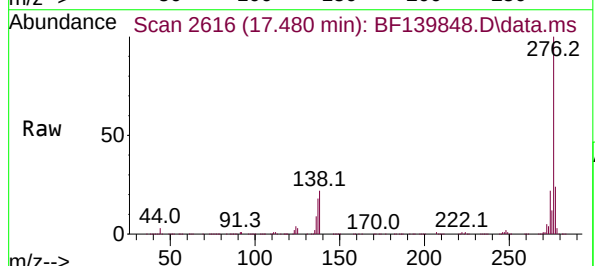
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 10/21/2024  
Supervised By :mohammad ahmed 10/21/2024



#92  
Benzo(g,h,i)perylene  
Concen: 42.090 ng  
RT: 17.480 min Scan# 2616  
Delta R.T. 0.000 min  
Lab File: BF139848.D  
Acq: 18 Oct 2024 12:20

Tgt Ion:276 Resp: 823727  
Ion Ratio Lower Upper  
276 100  
277 23.8 19.0 28.6  
138 21.7 17.4 26.0



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF101824\  
 Data File : BF139849.D  
 Acq On : 18 Oct 2024 12:49  
 Operator : RC/JU  
 Sample : SSTDICC050  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

## Instrument :

BNA\_F

## ClientSampleId :

SSTDICC050

## Manual Integrations

## APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024

Quant Time: Oct 18 14:19:35 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101824.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Oct 18 14:11:20 2024

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.892  | 152  | 197235   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.175  | 136  | 739665   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.927  | 164  | 405194   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.416 | 188  | 694873   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 14.051 | 240  | 349496   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12              | 15.527 | 264  | 390757   | 20.000 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.498  | 112  | 1162820  | 92.295 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.510  | 99   | 1517079  | 92.972 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.457  | 82   | 1310450  | 98.193 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.716 | 330  | 362330   | 95.600 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.251  | 172  | 2204460  | 89.915 | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.998 | 244  | 2015874  | 93.988 | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.687  | 88   | 281572   | 47.933 | ng    | 99       |
| 3) Pyridine                   | 3.446  | 79   | 683175   | 46.920 | ng    | 99       |
| 4) n-Nitrosodimethylamine     | 3.404  | 42   | 385387   | 49.264 | ng    | 97       |
| 6) Aniline                    | 6.557  | 93   | 725204   | 47.686 | ng    | 98       |
| 8) 2-Chlorophenol             | 6.675  | 128  | 597810   | 46.414 | ng    | 98       |
| 9) Benzaldehyde               | 6.439  | 77   | 430623   | 46.911 | ng    | 100      |
| 10) Phenol                    | 6.528  | 94   | 780406m  | 45.569 | ng    |          |
| 11) bis(2-Chloroethyl)ether   | 6.628  | 93   | 617014   | 47.453 | ng    | 99       |
| 12) 1,3-Dichlorobenzene       | 6.834  | 146  | 686600   | 46.439 | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 6.910  | 146  | 686616   | 46.483 | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 7.063  | 146  | 627851   | 45.543 | ng    | 99       |
| 15) Benzyl Alcohol            | 7.028  | 79   | 569012   | 47.538 | ng    | 99       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.169  | 45   | 1043921  | 47.084 | ng    | 100      |
| 17) 2-Methylphenol            | 7.134  | 107  | 519035   | 47.259 | ng    | 99       |
| 18) Hexachloroethane          | 7.404  | 117  | 250100   | 47.480 | ng    | 100      |
| 19) n-Nitroso-di-n-propyla... | 7.310  | 70   | 454173   | 45.892 | ng    | 99       |
| 20) 3+4-Methylphenols         | 7.292  | 107  | 645650   | 45.961 | ng    | # 88     |
| 22) Acetophenone              | 7.304  | 105  | 835908   | 46.140 | ng    | 97       |
| 24) Nitrobenzene              | 7.475  | 77   | 707970   | 48.385 | ng    | 100      |
| 25) Isophorone                | 7.710  | 82   | 1205277  | 47.583 | ng    | 99       |
| 26) 2-Nitrophenol             | 7.786  | 139  | 292634   | 53.013 | ng    | 99       |
| 27) 2,4-Dimethylphenol        | 7.822  | 122  | 439040   | 47.699 | ng    | 98       |
| 28) bis(2-Chloroethoxy)met... | 7.922  | 93   | 728968   | 47.500 | ng    | 100      |
| 29) 2,4-Dichlorophenol        | 8.028  | 162  | 502930   | 47.971 | ng    | 98       |
| 30) 1,2,4-Trichlorobenzene    | 8.116  | 180  | 550757   | 47.476 | ng    | 99       |
| 31) Naphthalene               | 8.198  | 128  | 1770616  | 46.415 | ng    | 100      |
| 32) Benzoic acid              | 7.933  | 122  | 426532   | 53.131 | ng    | 100      |
| 33) 4-Chloroaniline           | 8.245  | 127  | 613822   | 47.189 | ng    | 99       |
| 34) Hexachlorobutadiene       | 8.316  | 225  | 343002   | 47.058 | ng    | 100      |
| 35) Caprolactam               | 8.616  | 113  | 162260   | 48.675 | ng    | 98       |
| 36) 4-Chloro-3-methylphenol   | 8.716  | 107  | 553487   | 47.678 | ng    | 99       |
| 37) 2-Methylnaphthalene       | 8.886  | 142  | 1085491  | 46.462 | ng    | 99       |
| 38) 1-Methylnaphthalene       | 8.986  | 142  | 1052879  | 45.933 | ng    | 100      |
| 40) 1,2,4,5-Tetrachloroben... | 9.051  | 216  | 518960   | 47.474 | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 9.039  | 237  | 188234   | 49.488 | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 9.157  | 196  | 367373   | 47.468 | ng    | 99       |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF101824\  
 Data File : BF139849.D  
 Acq On : 18 Oct 2024 12:49  
 Operator : RC/JU  
 Sample : SSTDICC050  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDICC050

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 10/21/2024  
 Supervised By :mohammad ahmed 10/21/2024

Quant Time: Oct 18 14:19:35 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101824.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Oct 18 14:11:20 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.192  | 196  | 385963   | 48.336 | ng    | 98       |
| 46) 1,1'-Biphenyl             | 9.351  | 154  | 1301562  | 46.143 | ng    | 99       |
| 47) 2-Chloronaphthalene       | 9.375  | 162  | 1061417  | 46.720 | ng    | 99       |
| 48) 2-Nitroaniline            | 9.469  | 65   | 358283   | 51.564 | ng    | 97       |
| 49) Acenaphthylene            | 9.792  | 152  | 1526583  | 46.479 | ng    | 99       |
| 50) Dimethylphthalate         | 9.651  | 163  | 1187472  | 47.050 | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 9.710  | 165  | 277023   | 50.693 | ng    | 99       |
| 52) Acenaphthene              | 9.963  | 154  | 989603   | 46.576 | ng    | 100      |
| 53) 3-Nitroaniline            | 9.880  | 138  | 279467   | 49.591 | ng    | 100      |
| 54) 2,4-Dinitrophenol         | 9.980  | 184  | 102786   | 48.105 | ng    | # 18     |
| 55) Dibenzofuran              | 10.133 | 168  | 1407211  | 46.162 | ng    | 99       |
| 56) 4-Nitrophenol             | 10.022 | 139  | 221410   | 51.068 | ng    | 97       |
| 57) 2,4-Dinitrotoluene        | 10.110 | 165  | 348628   | 51.878 | ng    | 97       |
| 58) Fluorene                  | 10.480 | 166  | 1042268  | 44.889 | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol | 10.251 | 232  | 300306   | 47.975 | ng    | 99       |
| 60) Diethylphthalate          | 10.351 | 149  | 1180411  | 47.634 | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 10.469 | 204  | 532654   | 45.427 | ng    | 98       |
| 62) 4-Nitroaniline            | 10.492 | 138  | 266320   | 50.037 | ng    | 99       |
| 63) Azobenzene                | 10.633 | 77   | 1231644  | 46.881 | ng    | 98       |
| 65) 4,6-Dinitro-2-methylph... | 10.522 | 198  | 156461   | 55.202 | ng    | 94       |
| 66) n-Nitrosodiphenylamine    | 10.586 | 169  | 987295   | 47.472 | ng    | 100      |
| 67) 4-Bromophenyl-phenylether | 10.963 | 248  | 341790   | 47.746 | ng    | 97       |
| 68) Hexachlorobenzene         | 11.027 | 284  | 376968   | 46.823 | ng    | 98       |
| 69) Atrazine                  | 11.110 | 200  | 234998   | 41.713 | ng    | 99       |
| 70) Pentachlorophenol         | 11.216 | 266  | 252064   | 51.587 | ng    | 98       |
| 71) Phenanthrene              | 11.439 | 178  | 1500010  | 45.700 | ng    | 99       |
| 72) Anthracene                | 11.492 | 178  | 1478655  | 46.172 | ng    | 99       |
| 73) Carbazole                 | 11.645 | 167  | 1348098  | 45.263 | ng    | 99       |
| 74) Di-n-butylphthalate       | 11.974 | 149  | 1602928  | 46.583 | ng    | 100      |
| 75) Fluoranthene              | 12.627 | 202  | 1462936  | 44.089 | ng    | 99       |
| 77) Benzidine                 | 12.745 | 184  | 240940   | 42.388 | ng    | 99       |
| 78) Pyrene                    | 12.857 | 202  | 1471893  | 48.113 | ng    | 100      |
| 80) Butylbenzylphthalate      | 13.474 | 149  | 467242   | 50.944 | ng    | 100      |
| 81) Benzo(a)anthracene        | 14.045 | 228  | 1107235  | 48.667 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 14.004 | 252  | 326706   | 49.251 | ng    | 98       |
| 83) Chrysene                  | 14.080 | 228  | 990517   | 47.484 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 14.033 | 149  | 541828   | 52.655 | ng    | 100      |
| 85) Di-n-octyl phthalate      | 14.651 | 149  | 1033054  | 55.195 | ng    | 100      |
| 87) Indeno(1,2,3-cd)pyrene    | 17.027 | 276  | 1268552  | 50.463 | ng    | 100      |
| 88) Benzo(b)fluoranthene      | 15.098 | 252  | 1079928  | 45.369 | ng    | 100      |
| 89) Benzo(k)fluoranthene      | 15.127 | 252  | 1006425  | 49.026 | ng    | 99       |
| 90) Benzo(a)pyrene            | 15.468 | 252  | 951346   | 48.573 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 17.045 | 278  | 1058119  | 50.456 | ng    | 100      |
| 92) Benzo(g,h,i)perylene      | 17.480 | 276  | 1055618  | 50.394 | ng    | 99       |

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

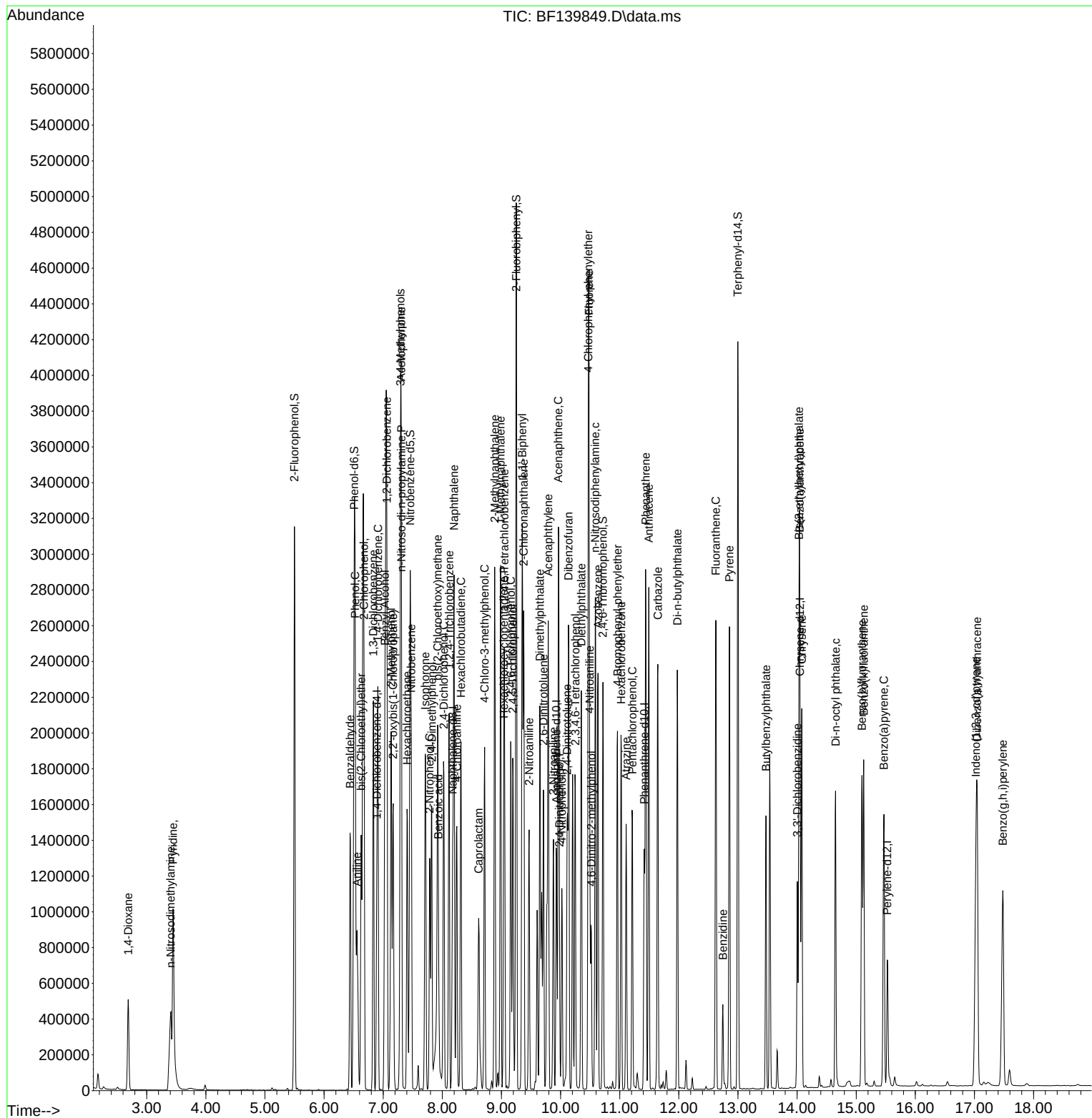
Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF101824\  
Data File : BF139849.D  
Acq On : 18 Oct 2024 12:49  
Operator : RC/JU  
Sample : SSTDICC050  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC050

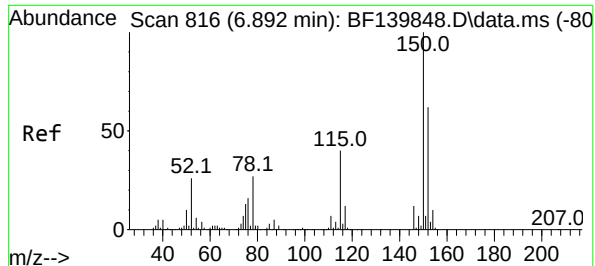
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 10/21/2024  
Supervised By :mohammad ahmed 10/21/2024

Quant Time: Oct 18 14:19:35 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101824.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Oct 18 14:11:20 2024  
Response via : Initial Calibration

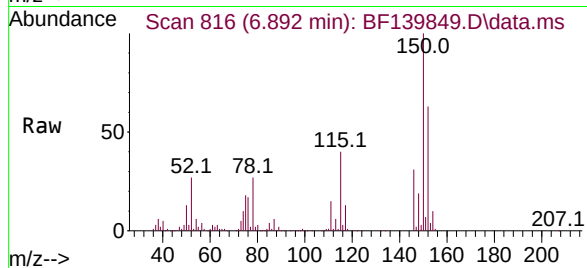






#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.892 min Scan# 816  
Delta R.T. 0.000 min  
Lab File: BF139849.D  
Acq: 18 Oct 2024 12:49

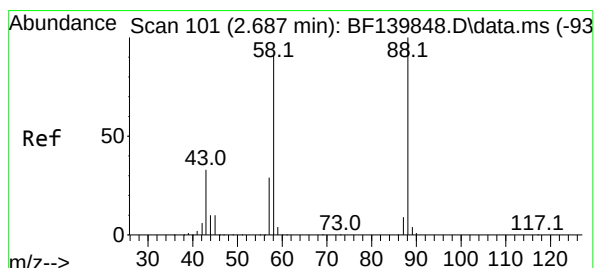
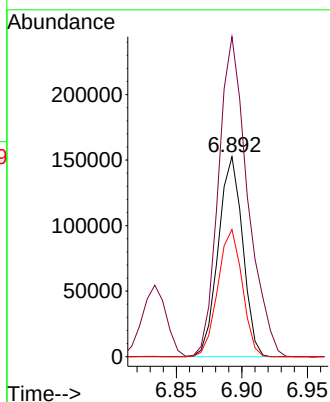
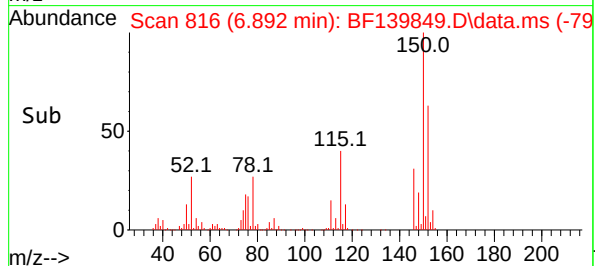
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC050



Tgt Ion:152 Resp: 197235  
Ion Ratio Lower Upper  
152 100  
150 160.0 130.2 195.2  
115 63.6 51.4 77.2

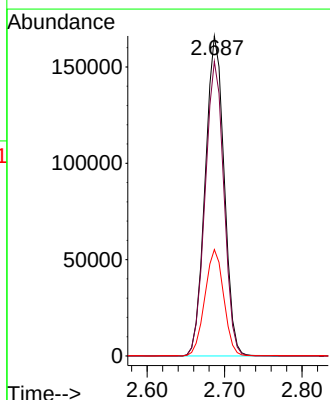
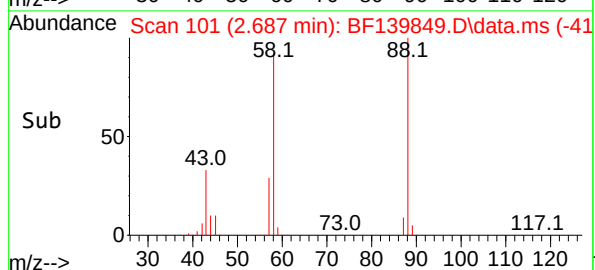
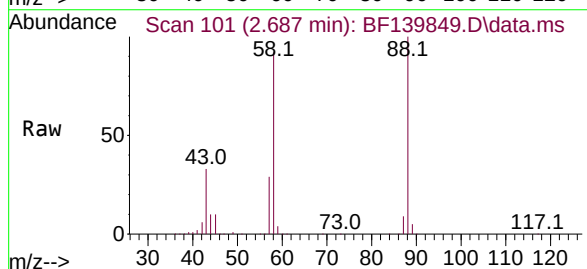
Manual Integrations  
APPROVED

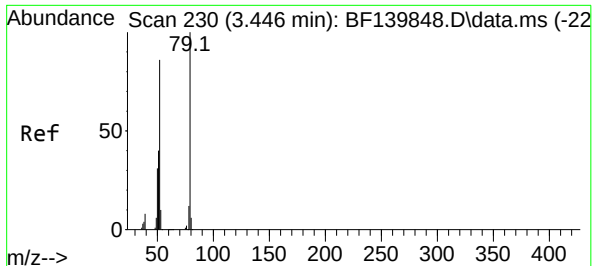
Reviewed By :Yogesh Patel 10/21/2024  
Supervised By :mohammad ahmed 10/21/2024



#2  
1,4-Dioxane  
Concen: 47.933 ng  
RT: 2.687 min Scan# 101  
Delta R.T. 0.000 min  
Lab File: BF139849.D  
Acq: 18 Oct 2024 12:49

Tgt Ion: 88 Resp: 281572  
Ion Ratio Lower Upper  
88 100  
58 91.1 73.3 109.9  
43 33.2 27.1 40.7





#3

Pyridine

Concen: 46.920 ng

RT: 3.446 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF139849.D

Acq: 18 Oct 2024 12:49

Instrument :

BNA\_F

ClientSampleId :

SSTDICC050

Tgt Ion: 79 Resp: 68317

Ion Ratio Lower Upper

79 100

52 86.6 68.5 102.7

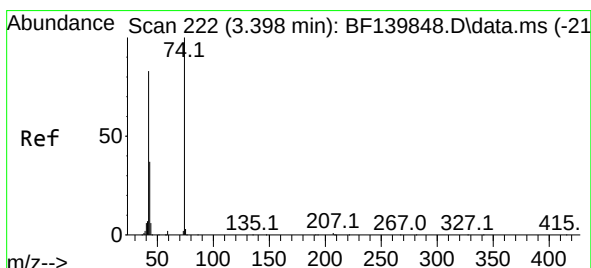
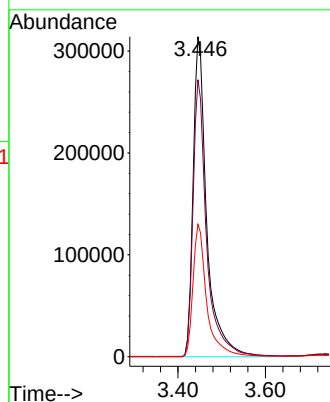
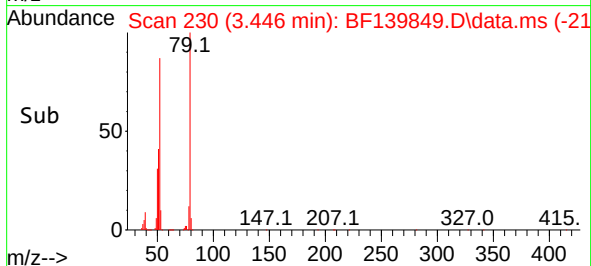
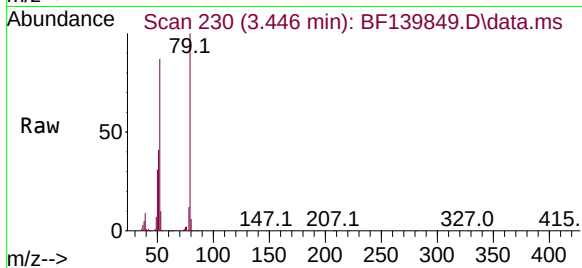
51 41.3 32.3 48.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#4

n-Nitrosodimethylamine

Concen: 49.264 ng

RT: 3.404 min Scan# 223

Delta R.T. 0.006 min

Lab File: BF139849.D

Acq: 18 Oct 2024 12:49

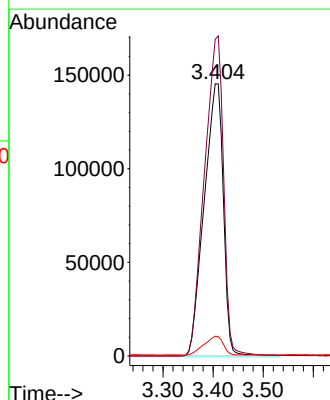
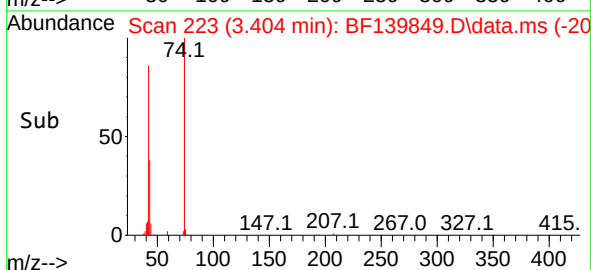
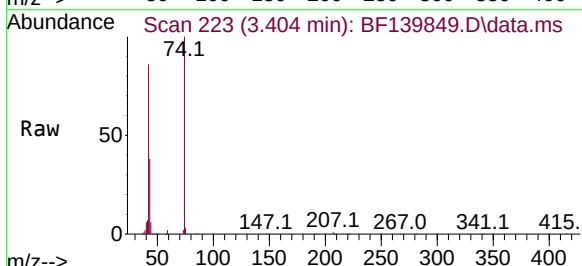
Tgt Ion: 42 Resp: 385387

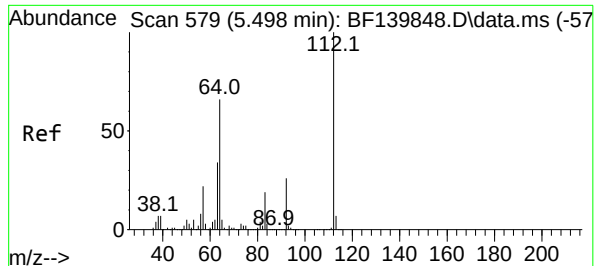
Ion Ratio Lower Upper

42 100

74 116.3 96.2 144.4

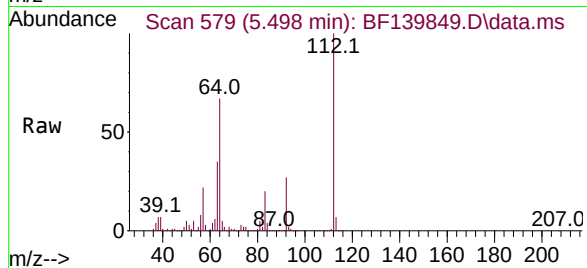
44 7.2 6.2 9.2





#5  
2-Fluorophenol  
Concen: 92.295 ng  
RT: 5.498 min Scan# 51  
Delta R.T. 0.000 min  
Lab File: BF139849.D  
Acq: 18 Oct 2024 12:49

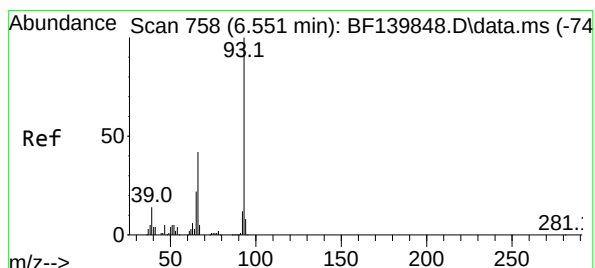
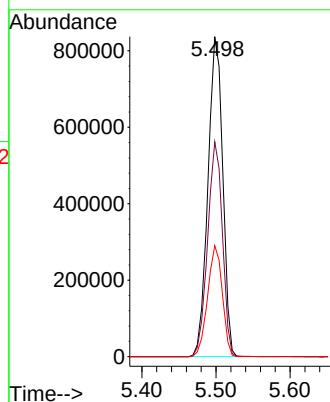
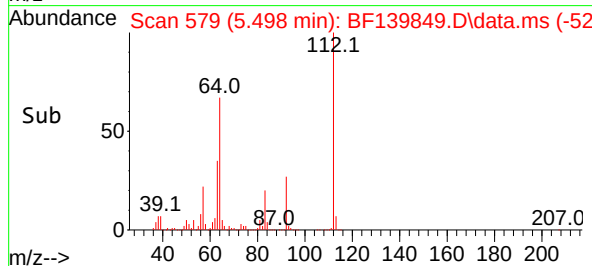
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC050



Tgt Ion: 112 Resp: 1162820  
Ion Ratio Lower Upper  
112 100  
64 67.1 53.0 79.6  
63 34.7 27.0 40.4

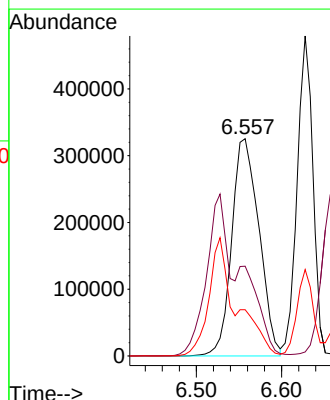
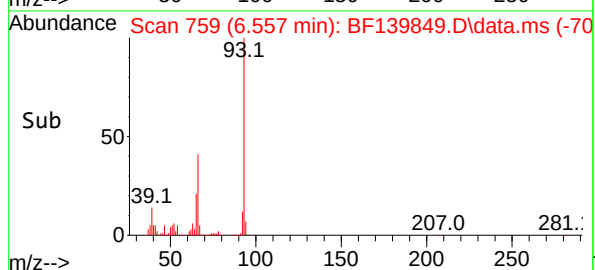
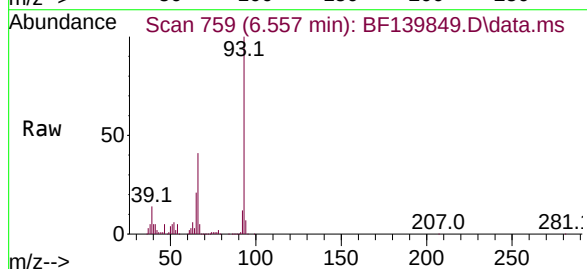
Manual Integrations  
APPROVED

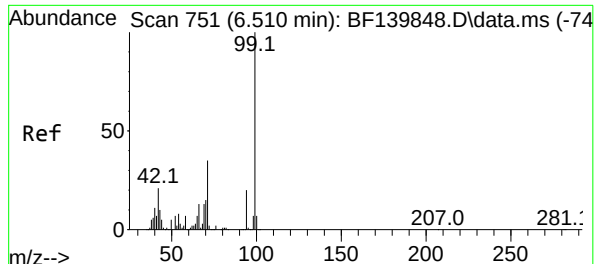
Reviewed By :Yogesh Patel 10/21/2024  
Supervised By :mohammad ahmed 10/21/2024



#6  
Aniline  
Concen: 47.686 ng  
RT: 6.557 min Scan# 759  
Delta R.T. 0.006 min  
Lab File: BF139849.D  
Acq: 18 Oct 2024 12:49

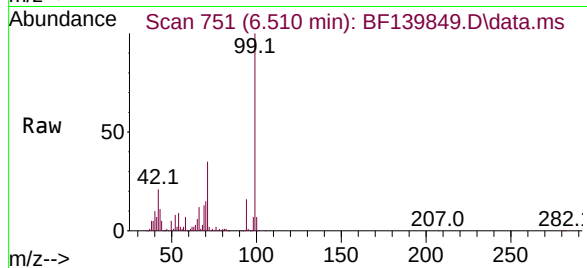
Tgt Ion: 93 Resp: 725204  
Ion Ratio Lower Upper  
93 100  
66 41.3 34.0 51.0  
65 21.3 17.4 26.0





#7  
Phenol-d6  
Concen: 92.972 ng  
RT: 6.510 min Scan# 751  
Delta R.T. 0.000 min  
Lab File: BF139849.D  
Acq: 18 Oct 2024 12:49

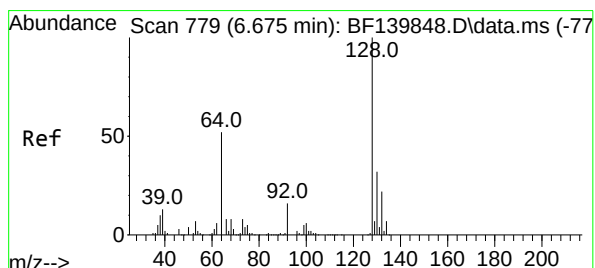
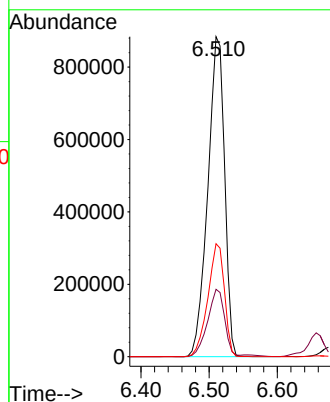
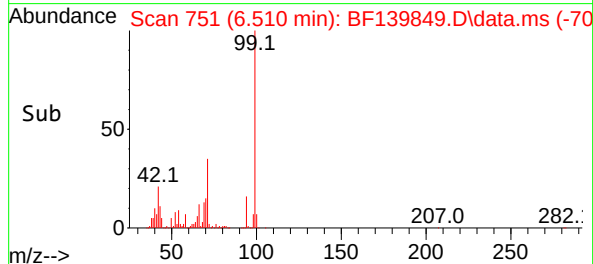
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC050



Tgt Ion: 99 Resp: 1517079  
Ion Ratio Lower Upper  
99 100  
42 21.0 16.7 25.1  
71 35.3 27.7 41.5

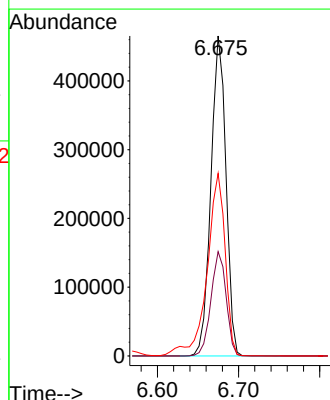
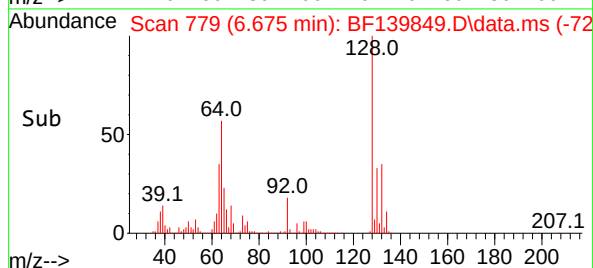
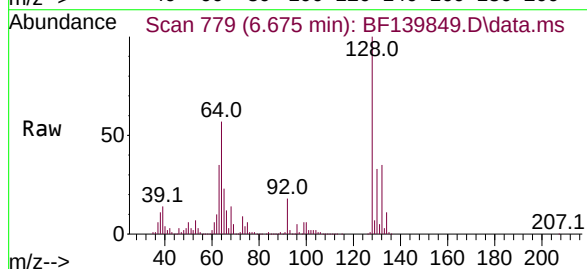
Manual Integrations  
APPROVED

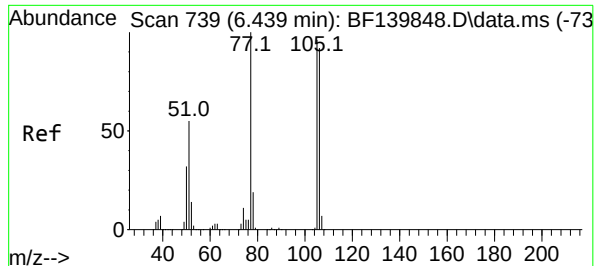
Reviewed By :Yogesh Patel 10/21/2024  
Supervised By :mohammad ahmed 10/21/2024



#8  
2-Chlorophenol  
Concen: 46.414 ng  
RT: 6.675 min Scan# 779  
Delta R.T. 0.000 min  
Lab File: BF139849.D  
Acq: 18 Oct 2024 12:49

Tgt Ion:128 Resp: 597810  
Ion Ratio Lower Upper  
128 100  
130 32.6 12.3 52.3  
64 57.0 34.6 74.6





#9

Benzaldehyde

Concen: 46.911 ng

RT: 6.439 min Scan# 71

Delta R.T. 0.000 min

Lab File: BF139849.D

Acq: 18 Oct 2024 12:49

Instrument :

BNA\_F

ClientSampleId :

SSTDICC050

Tgt Ion: 77 Resp: 43062

Ion Ratio Lower Upper

77 100

105 95.2 75.5 115.5

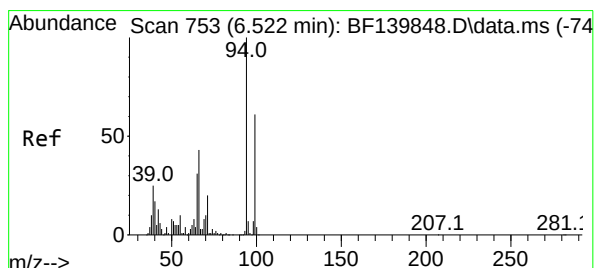
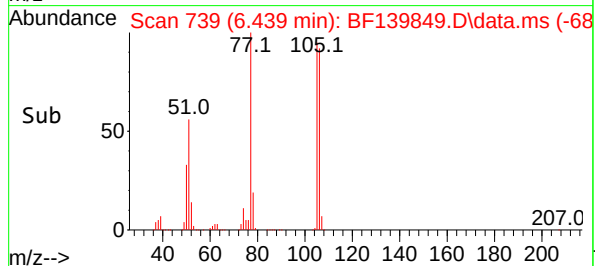
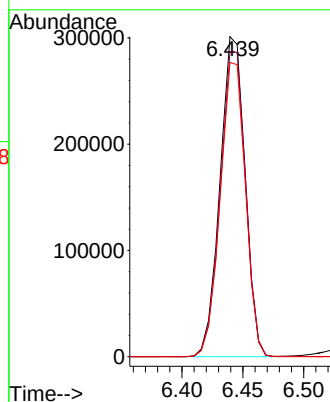
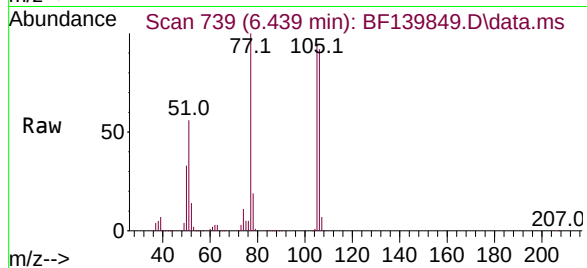
106 92.0 71.7 111.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#10

Phenol

Concen: 45.569 ng m

RT: 6.528 min Scan# 754

Delta R.T. 0.006 min

Lab File: BF139849.D

Acq: 18 Oct 2024 12:49

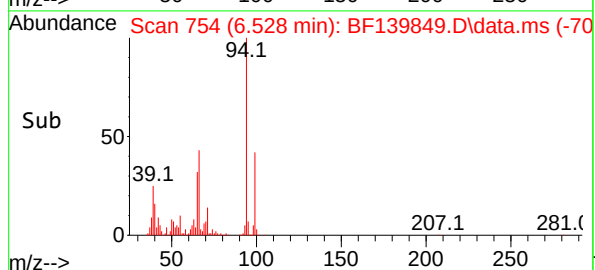
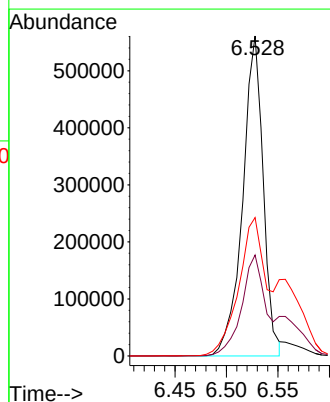
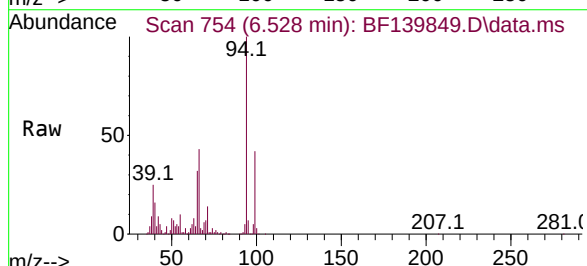
Tgt Ion: 94 Resp: 780406

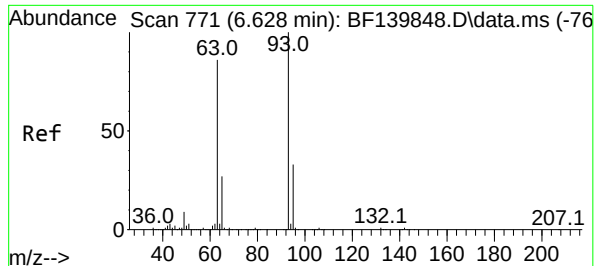
Ion Ratio Lower Upper

94 100

65 31.6 11.1 51.1

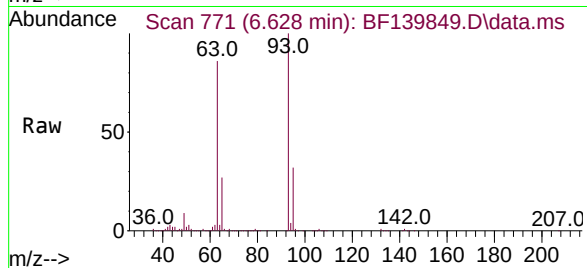
66 43.3 22.7 62.7





#11  
bis(2-Chloroethyl)ether  
Concen: 47.453 ng  
RT: 6.628 min Scan# 771  
Delta R.T. 0.000 min  
Lab File: BF139849.D  
Acq: 18 Oct 2024 12:49

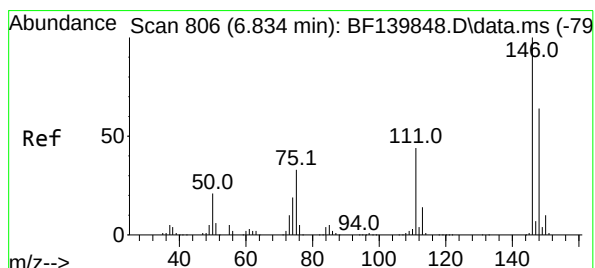
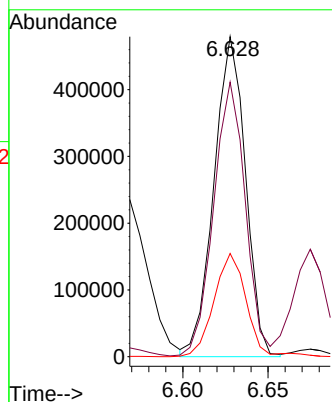
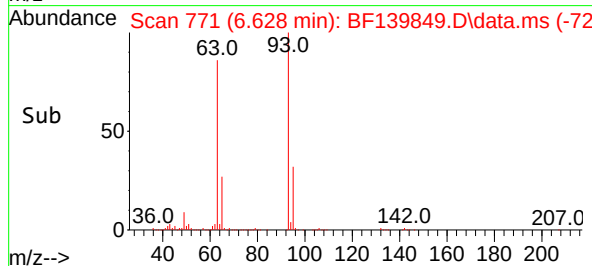
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC050



Tgt Ion: 93 Resp: 617014  
Ion Ratio Lower Upper  
93 100  
63 85.8 65.0 105.0  
95 32.2 12.4 52.4

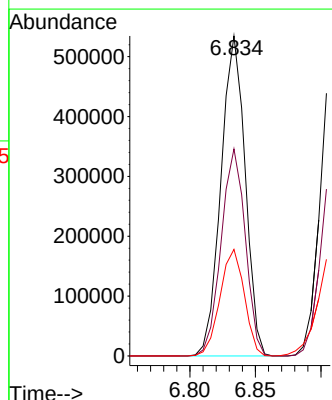
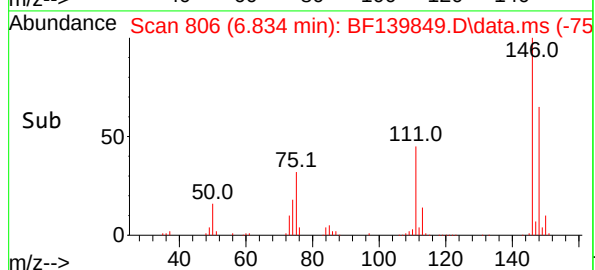
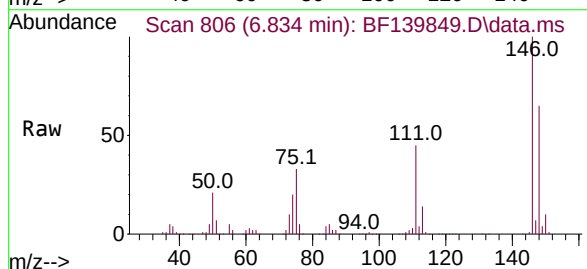
Manual Integrations  
APPROVED

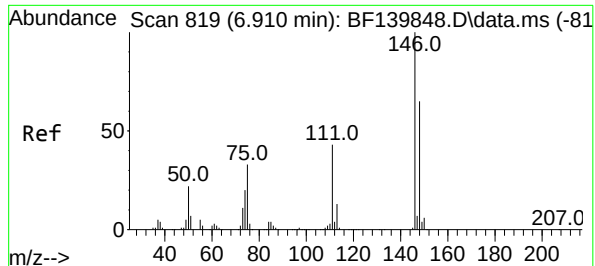
Reviewed By :Yogesh Patel 10/21/2024  
Supervised By :mohammad ahmed 10/21/2024



#12  
1,3-Dichlorobenzene  
Concen: 46.439 ng  
RT: 6.834 min Scan# 806  
Delta R.T. 0.000 min  
Lab File: BF139849.D  
Acq: 18 Oct 2024 12:49

Tgt Ion:146 Resp: 686600  
Ion Ratio Lower Upper  
146 100  
148 64.7 51.0 76.4  
75 33.3 26.4 39.6





#13

1,4-Dichlorobenzene

Concen: 46.483 ng

RT: 6.910 min Scan# 819

Delta R.T. 0.000 min

Lab File: BF139849.D

Acq: 18 Oct 2024 12:49

Instrument :

BNA\_F

ClientSampleId :

SSTDICC050

Tgt Ion:146 Resp: 686610

Ion Ratio Lower Upper

146 100

148 64.1 51.8 77.8

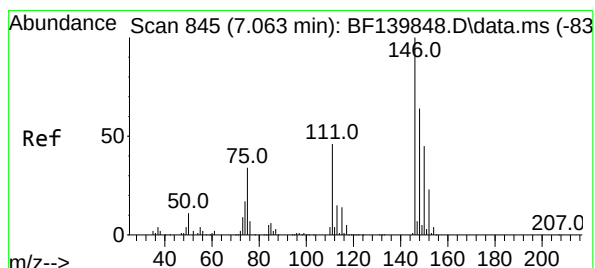
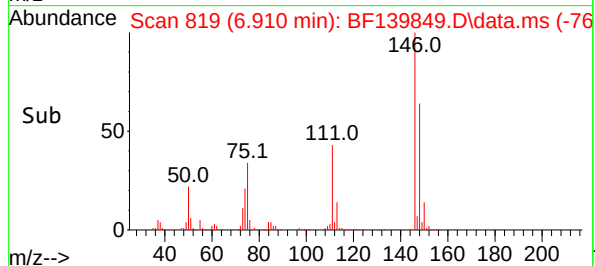
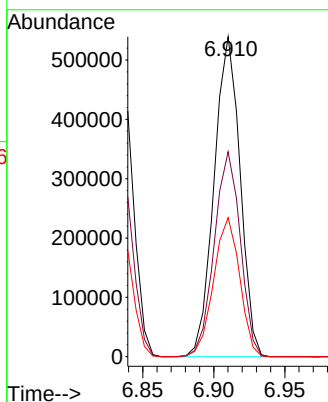
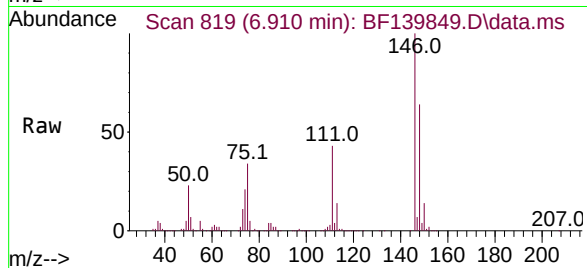
111 43.4 34.6 51.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#14

1,2-Dichlorobenzene

Concen: 45.543 ng

RT: 7.063 min Scan# 845

Delta R.T. 0.000 min

Lab File: BF139849.D

Acq: 18 Oct 2024 12:49

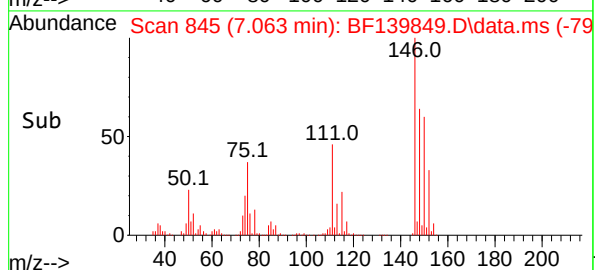
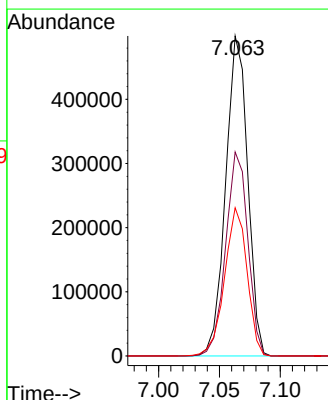
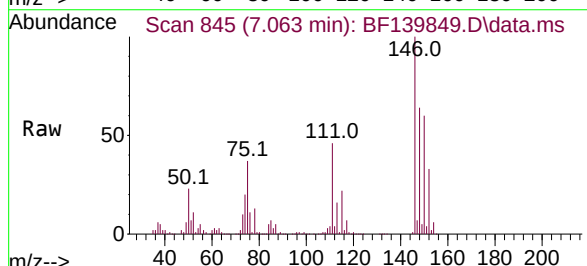
Tgt Ion:146 Resp: 627851

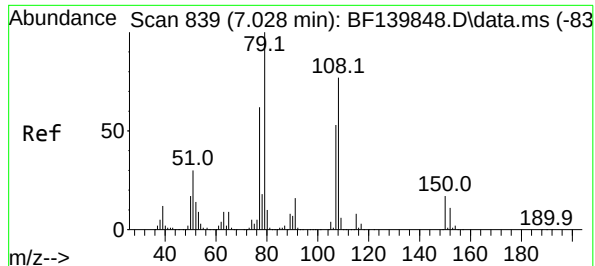
Ion Ratio Lower Upper

146 100

148 63.7 51.4 77.2

111 46.3 36.7 55.1





#15

Benzyl Alcohol

Concen: 47.538 ng

RT: 7.028 min Scan# 839

Delta R.T. 0.000 min

Lab File: BF139849.D

Acq: 18 Oct 2024 12:49

Instrument :

BNA\_F

ClientSampleId :

SSTDICC050

Tgt Ion: 79 Resp: 569012

Ion Ratio Lower Upper

79 100

108 75.3 61.4 92.0

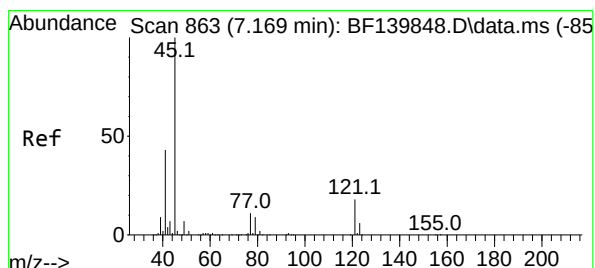
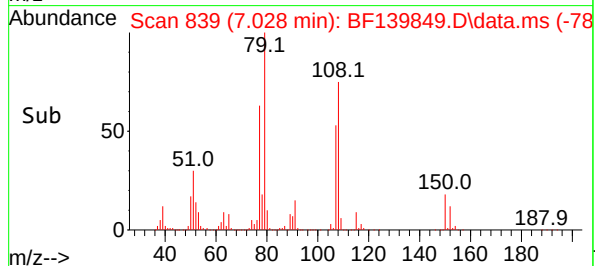
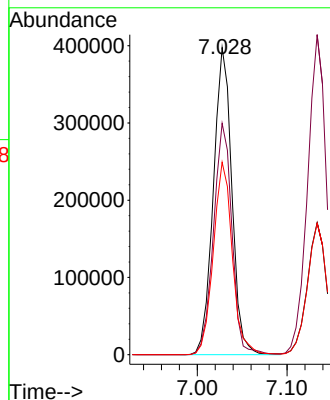
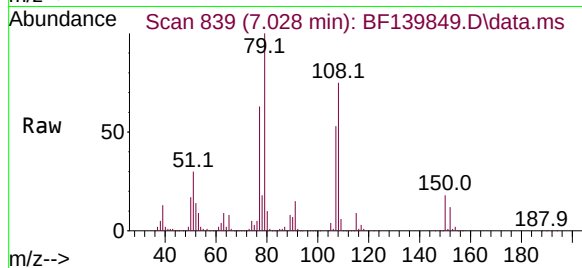
77 62.7 49.9 74.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#16

2,2'-oxybis(1-Chloropropane)

Concen: 47.084 ng

RT: 7.169 min Scan# 863

Delta R.T. 0.000 min

Lab File: BF139849.D

Acq: 18 Oct 2024 12:49

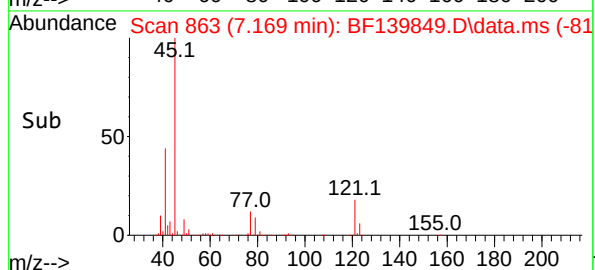
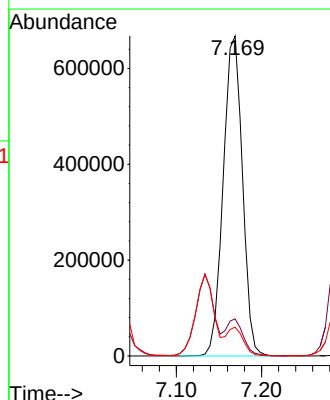
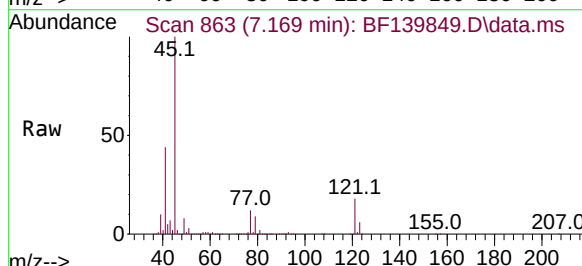
Tgt Ion: 45 Resp: 1043921

Ion Ratio Lower Upper

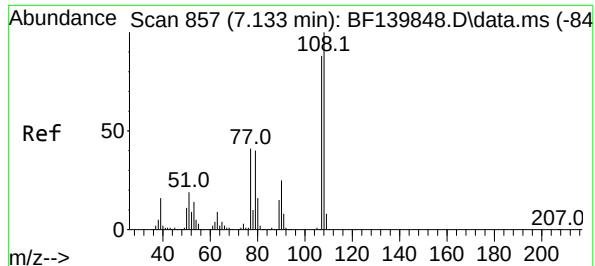
45 100

77 11.6 0.0 31.5

79 9.0 0.0 29.1

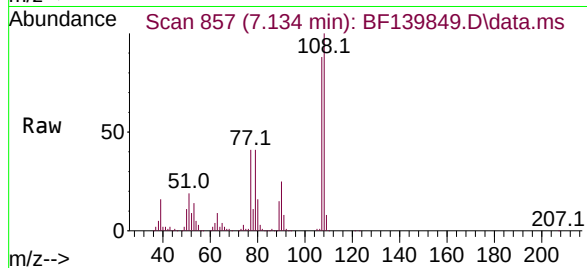






#17  
2-Methylphenol  
Concen: 47.259 ng  
RT: 7.134 min Scan# 857  
Delta R.T. 0.000 min  
Lab File: BF139849.D  
Acq: 18 Oct 2024 12:49

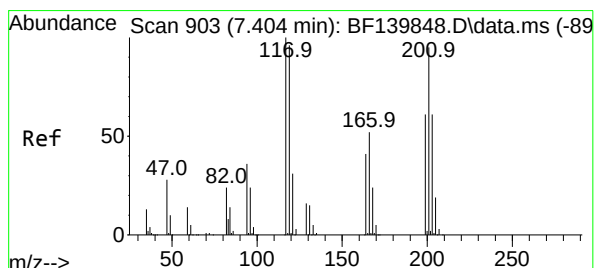
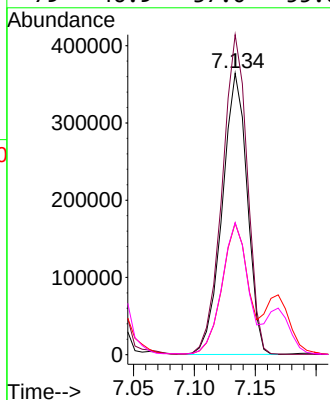
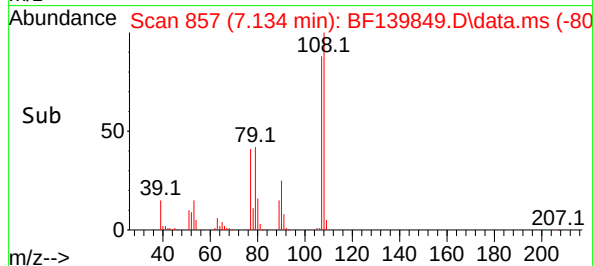
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC050



Tgt Ion:107 Resp: 51903  
Ion Ratio Lower Upper  
107 100  
108 113.7 91.3 136.9  
77 46.7 37.1 55.7  
79 46.9 37.0 55.6

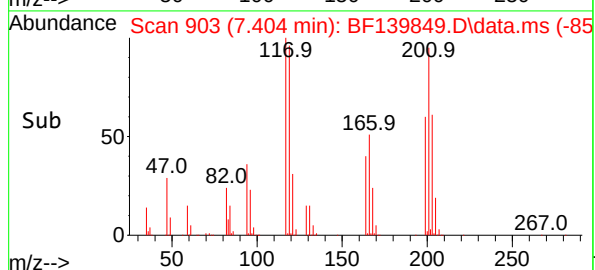
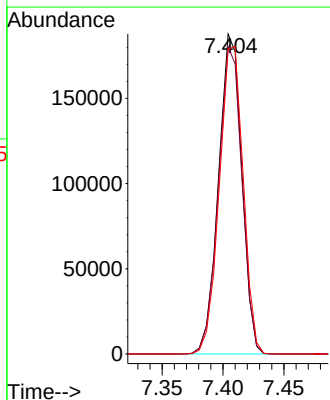
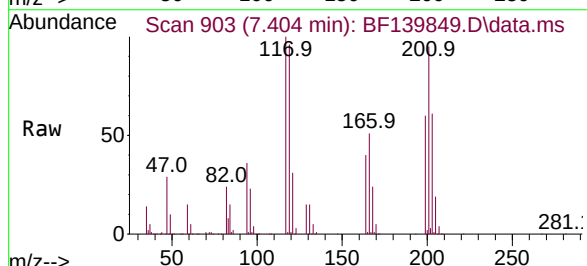
Manual Integrations  
APPROVED

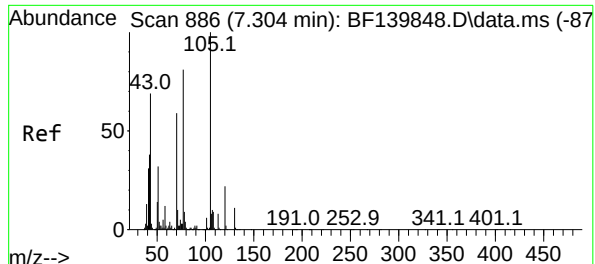
Reviewed By :Yogesh Patel 10/21/2024  
Supervised By :mohammad ahmed 10/21/2024



#18  
Hexachloroethane  
Concen: 47.480 ng  
RT: 7.404 min Scan# 903  
Delta R.T. 0.000 min  
Lab File: BF139849.D  
Acq: 18 Oct 2024 12:49

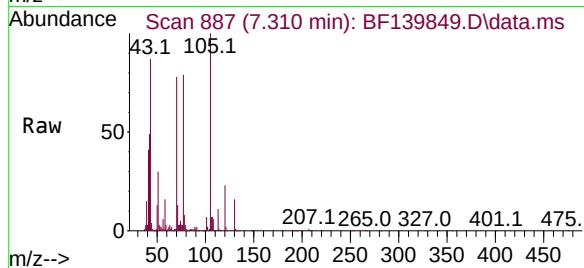
Tgt Ion:117 Resp: 250100  
Ion Ratio Lower Upper  
117 100  
119 96.0 77.0 115.4  
201 95.3 76.2 114.4





#19  
n-Nitroso-di-n-propylamine  
Concen: 45.892 ng  
RT: 7.310 min Scan# 886  
Delta R.T. 0.006 min  
Lab File: BF139849.D  
Acq: 18 Oct 2024 12:49

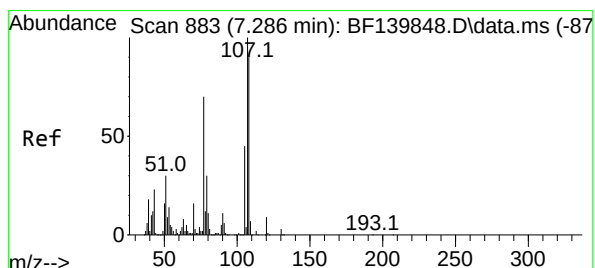
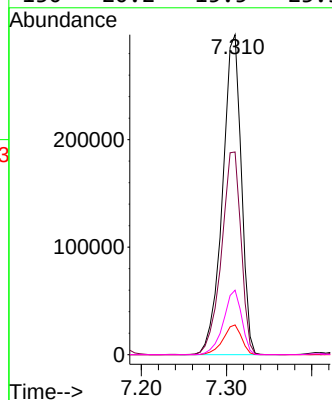
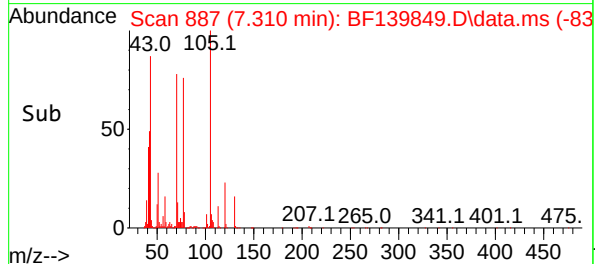
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC050



Tgt Ion: 70 Resp: 45417  
Ion Ratio Lower Upper  
70 100  
42 63.4 51.5 77.3  
101 9.3 7.5 11.3  
130 20.2 15.5 23.3

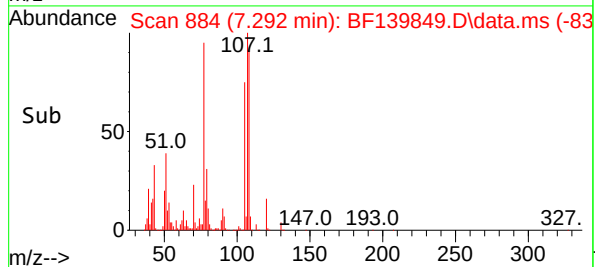
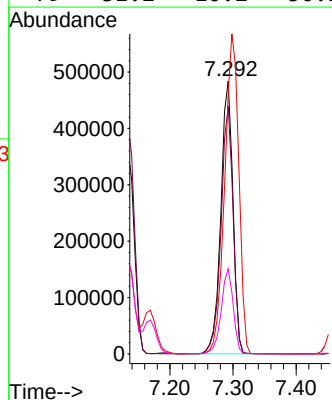
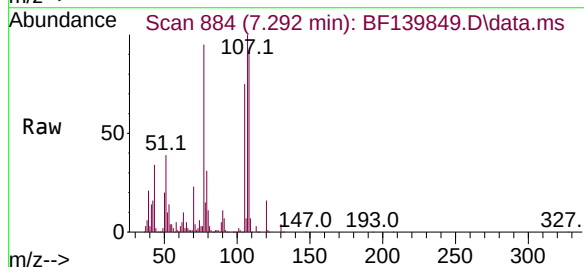
Manual Integrations  
APPROVED

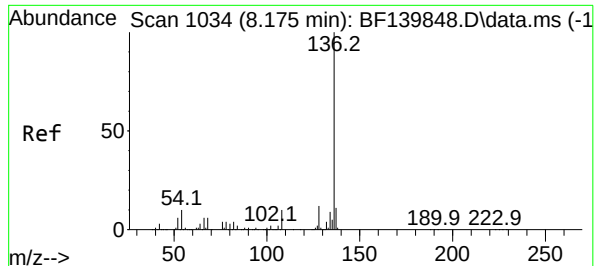
Reviewed By :Yogesh Patel 10/21/2024  
Supervised By :mohammad ahmed 10/21/2024



#20  
3+4-Methylphenols  
Concen: 45.961 ng  
RT: 7.292 min Scan# 884  
Delta R.T. 0.006 min  
Lab File: BF139849.D  
Acq: 18 Oct 2024 12:49

Tgt Ion:107 Resp: 645650  
Ion Ratio Lower Upper  
107 100  
108 90.8 69.8 109.8  
77 95.4 50.5 90.5#  
79 31.2 10.2 50.2





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.175 min Scan# 1034

Delta R.T. 0.000 min

Lab File: BF139849.D

Acq: 18 Oct 2024 12:49

Instrument :

BNA\_F

ClientSampleId :

SSTDICC050

Tgt Ion:136 Resp: 73966

Ion Ratio Lower Upper

136 100

137 11.2 8.6 12.8

54 10.6 8.4 12.6

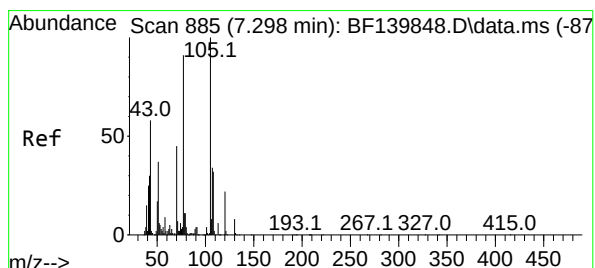
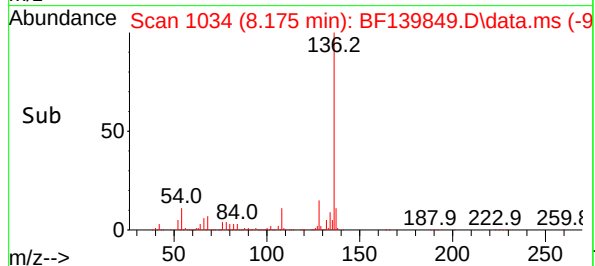
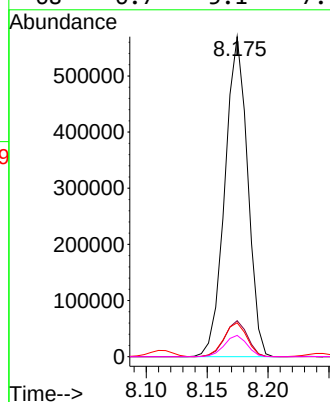
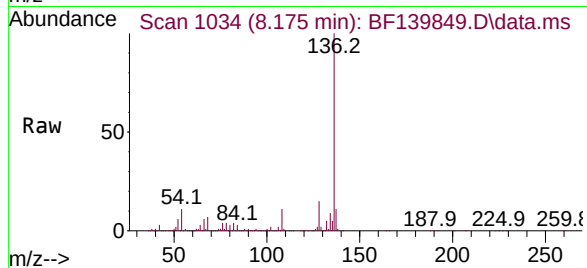
68 6.7 5.1 7.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#22

Acetophenone

Concen: 46.140 ng

RT: 7.304 min Scan# 886

Delta R.T. 0.006 min

Lab File: BF139849.D

Acq: 18 Oct 2024 12:49

Tgt Ion:105 Resp: 835908

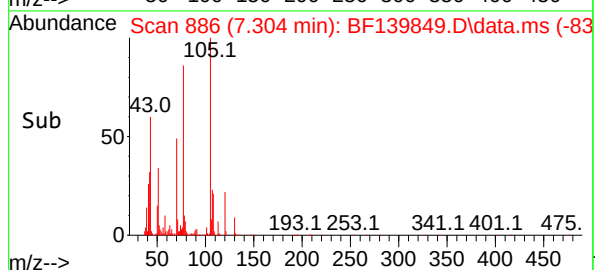
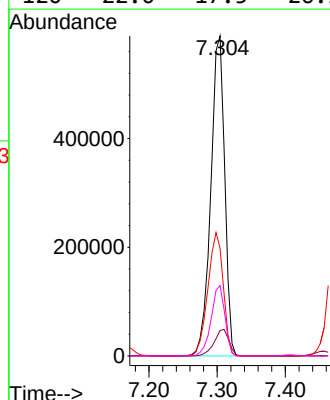
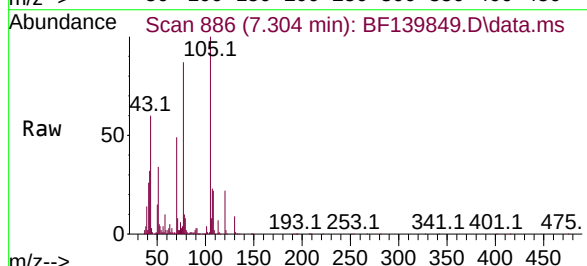
Ion Ratio Lower Upper

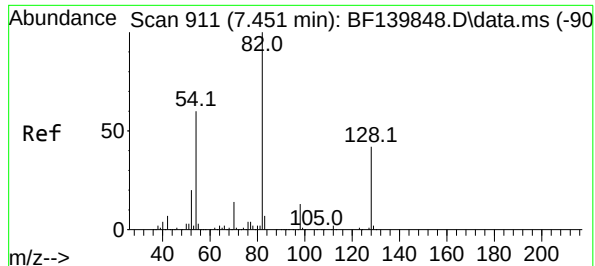
105 100

71 7.9 5.9 8.9

51 33.7 29.4 44.2

120 22.0 17.5 26.3





#23

Nitrobenzene-d5

Concen: 98.193 ng

RT: 7.457 min Scan# 911

Delta R.T. 0.006 min

Lab File: BF139849.D

Acq: 18 Oct 2024 12:49

Instrument :

BNA\_F

ClientSampleId :

SSTDICC050

Tgt Ion: 82 Resp: 1310450

Ion Ratio Lower Upper

82 100

128 42.2 33.4 50.0

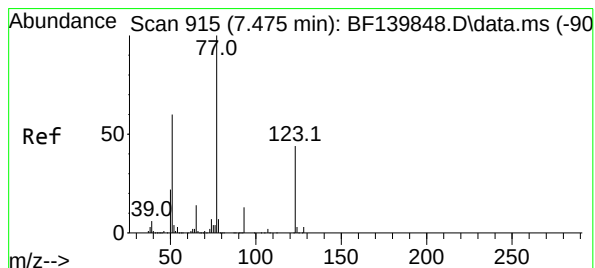
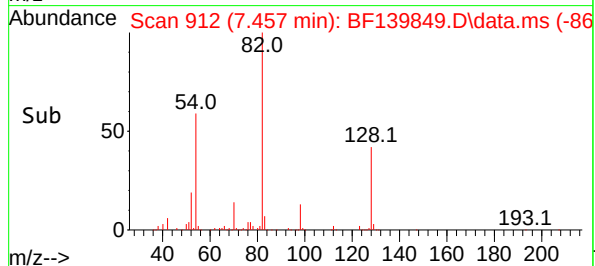
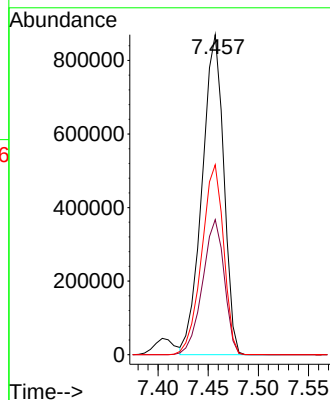
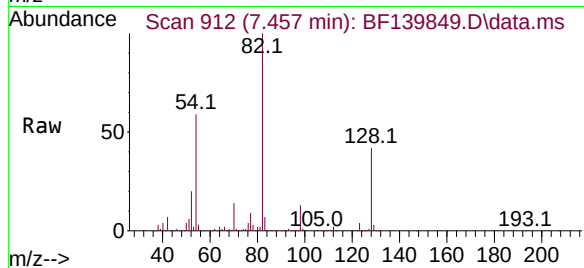
54 59.3 47.8 71.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#24

Nitrobenzene

Concen: 48.385 ng

RT: 7.475 min Scan# 915

Delta R.T. 0.000 min

Lab File: BF139849.D

Acq: 18 Oct 2024 12:49

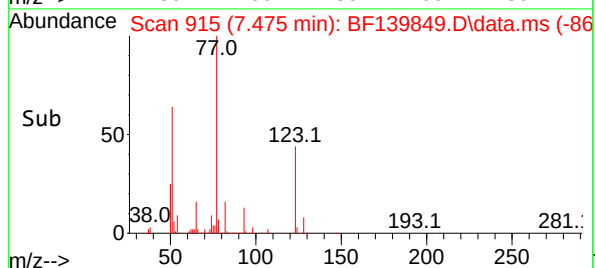
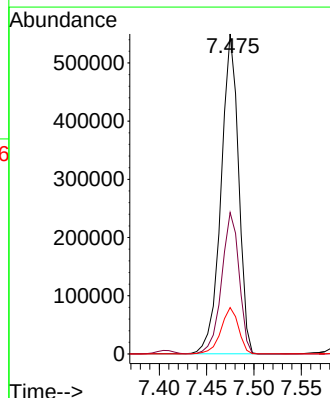
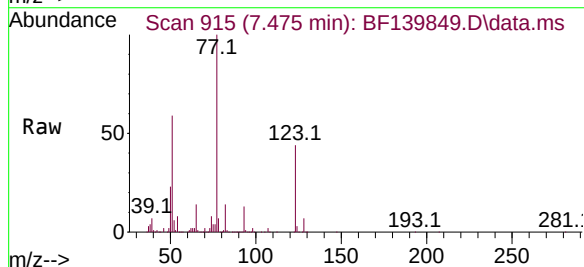
Tgt Ion: 77 Resp: 707970

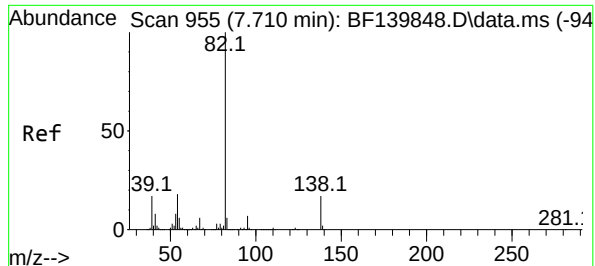
Ion Ratio Lower Upper

77 100

123 44.2 35.7 53.5

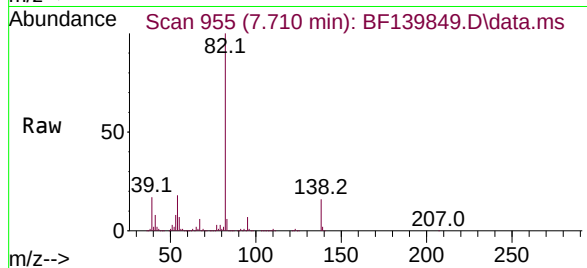
65 14.5 11.5 17.3





#25  
Isophorone  
Concen: 47.583 ng  
RT: 7.710 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: BF139849.D  
Acq: 18 Oct 2024 12:49

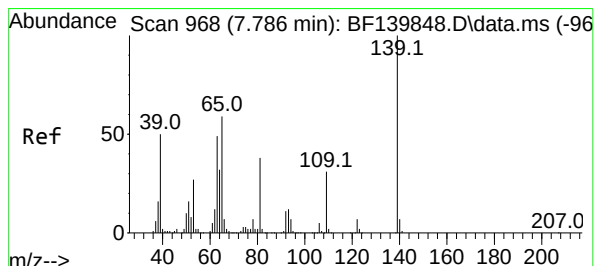
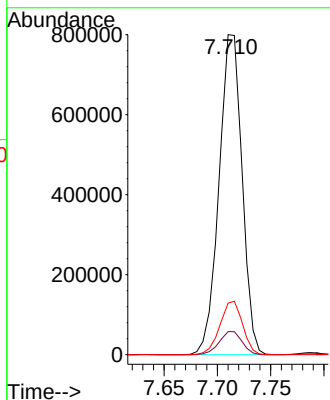
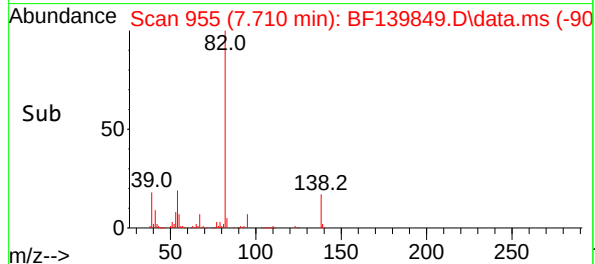
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC050



Tgt Ion: 82 Resp: 120527  
Ion Ratio Lower Upper  
82 100  
95 7.2 5.5 8.3  
138 16.1 13.2 19.8

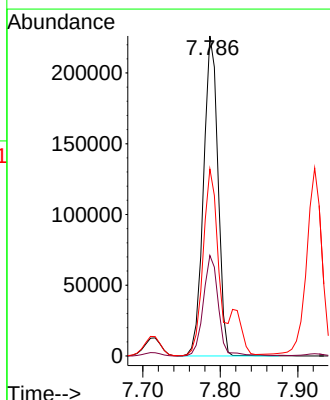
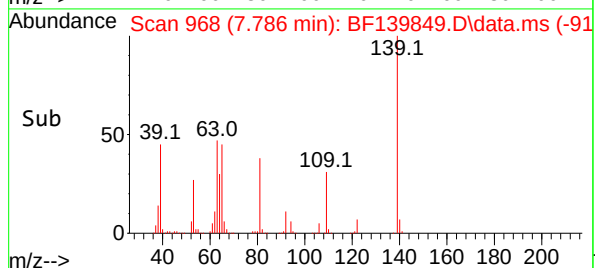
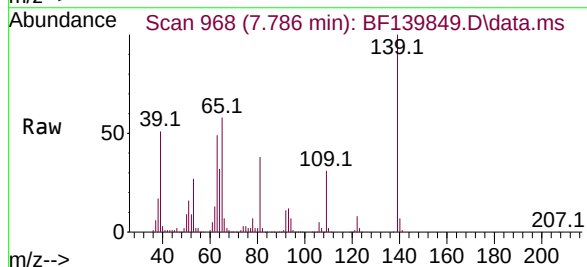
Manual Integrations  
APPROVED

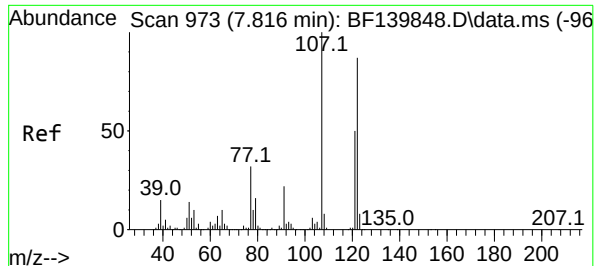
Reviewed By :Yogesh Patel 10/21/2024  
Supervised By :mohammad ahmed 10/21/2024



#26  
2-Nitrophenol  
Concen: 53.013 ng  
RT: 7.786 min Scan# 968  
Delta R.T. 0.000 min  
Lab File: BF139849.D  
Acq: 18 Oct 2024 12:49

Tgt Ion:139 Resp: 292634  
Ion Ratio Lower Upper  
139 100  
109 31.4 25.1 37.7  
65 58.4 47.5 71.3





#27

2,4-Dimethylphenol

Concen: 47.699 ng

RT: 7.822 min Scan# 91

Delta R.T. 0.006 min

Lab File: BF139849.D

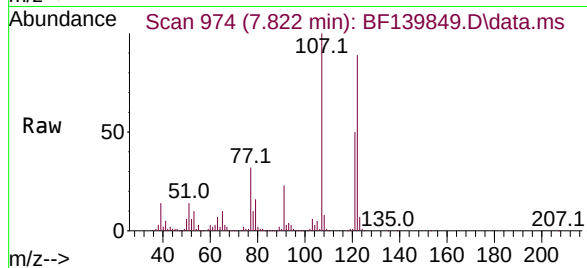
Acq: 18 Oct 2024 12:49

Instrument :

BNA\_F

ClientSampleId :

SSTDICC050



Tgt Ion:122 Resp: 439040

Ion Ratio Lower Upper

122 100

107 113.0 91.9 137.9

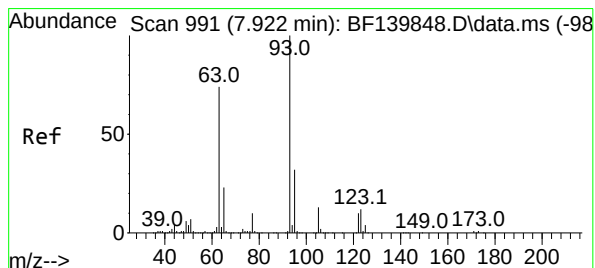
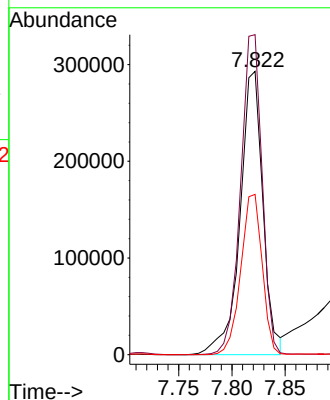
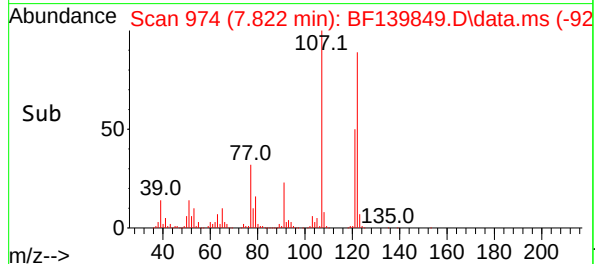
121 56.6 46.2 69.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#28

bis(2-Chloroethoxy)methane

Concen: 47.500 ng

RT: 7.922 min Scan# 991

Delta R.T. 0.000 min

Lab File: BF139849.D

Acq: 18 Oct 2024 12:49

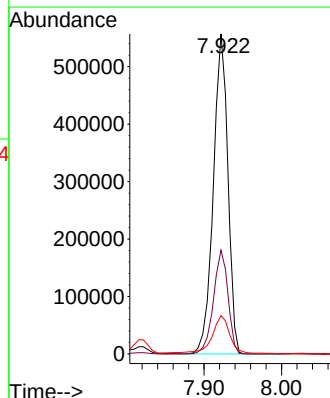
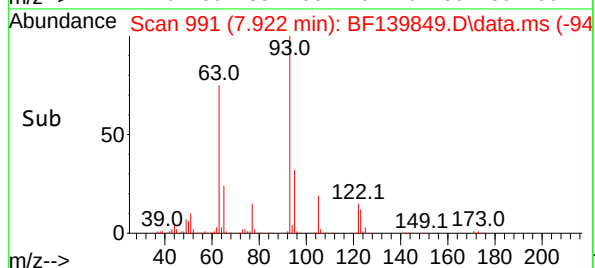
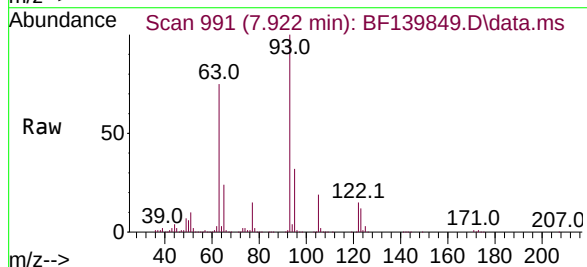
Tgt Ion: 93 Resp: 728968

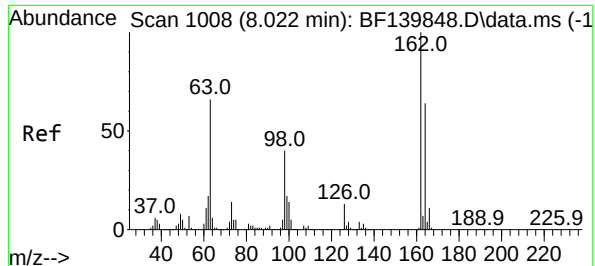
Ion Ratio Lower Upper

93 100

95 32.4 26.0 39.0

123 12.0 9.8 14.8





#29

2,4-Dichlorophenol

Concen: 47.971 ng

RT: 8.028 min Scan# 1008

Delta R.T. 0.006 min

Lab File: BF139849.D

Acq: 18 Oct 2024 12:49

Instrument :

BNA\_F

ClientSampleId :

SSTDICC050

Tgt Ion:162 Resp: 502930

Ion Ratio Lower Upper

162 100

164 65.3 43.9 83.9

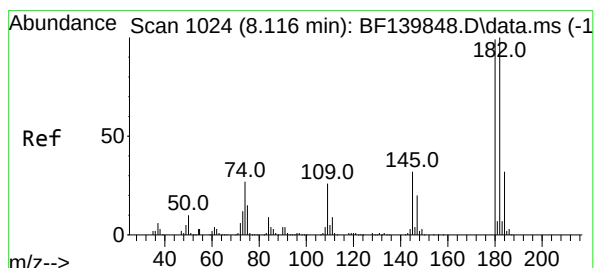
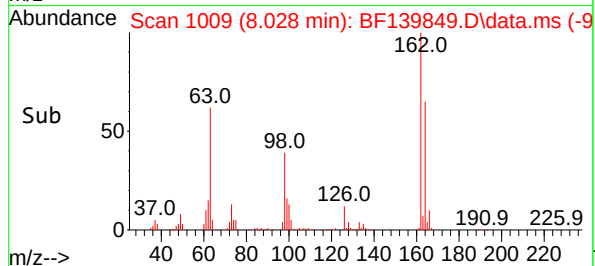
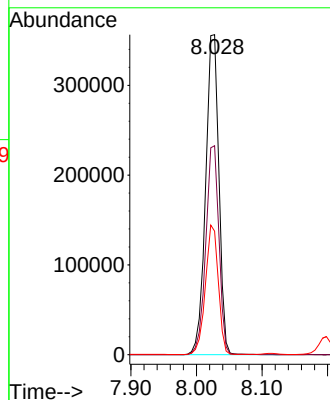
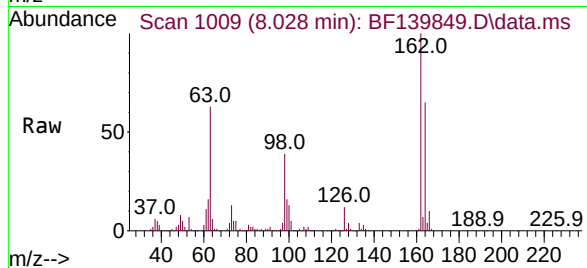
98 38.6 19.9 59.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#30

1,2,4-Trichlorobenzene

Concen: 47.476 ng

RT: 8.116 min Scan# 1024

Delta R.T. 0.000 min

Lab File: BF139849.D

Acq: 18 Oct 2024 12:49

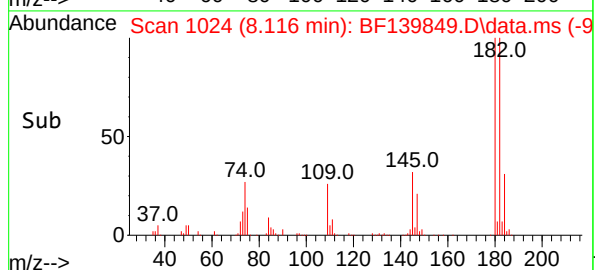
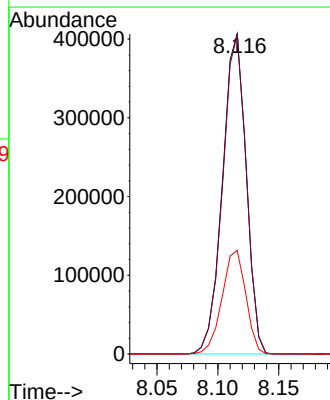
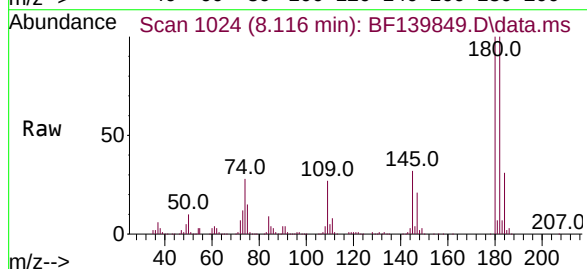
Tgt Ion:180 Resp: 550757

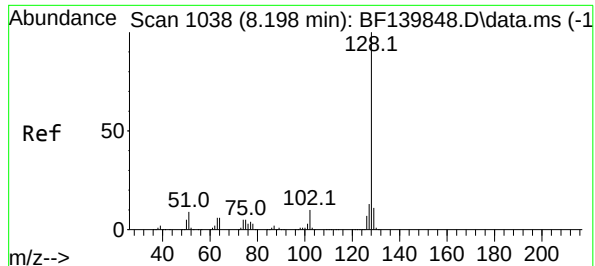
Ion Ratio Lower Upper

180 100

182 99.7 80.5 120.7

145 32.4 25.4 38.0





#31

Naphthalene

Concen: 46.415 ng

RT: 8.198 min Scan# 1038

Delta R.T. 0.000 min

Lab File: BF139849.D

Acq: 18 Oct 2024 12:49

Instrument :

BNA\_F

ClientSampleId :

SSTDICC050

Tgt Ion:128 Resp: 1770610

Ion Ratio Lower Upper

128 100

129 11.2 8.9 13.3

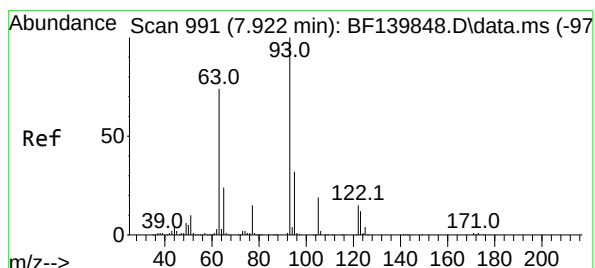
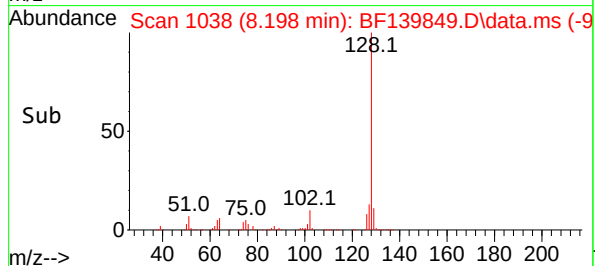
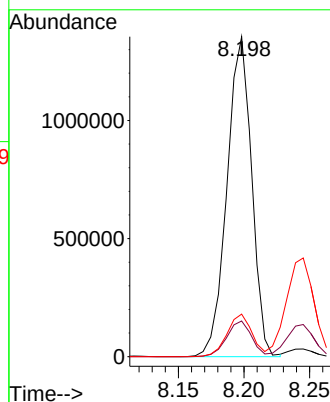
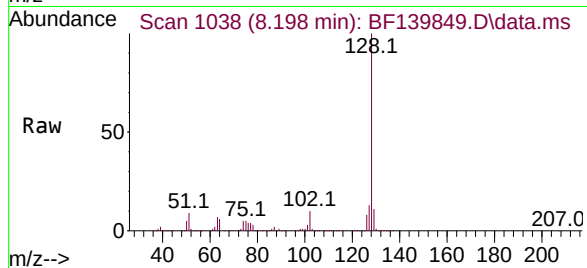
127 13.3 10.6 16.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#32

Benzoic acid

Concen: 53.131 ng

RT: 7.933 min Scan# 993

Delta R.T. 0.011 min

Lab File: BF139849.D

Acq: 18 Oct 2024 12:49

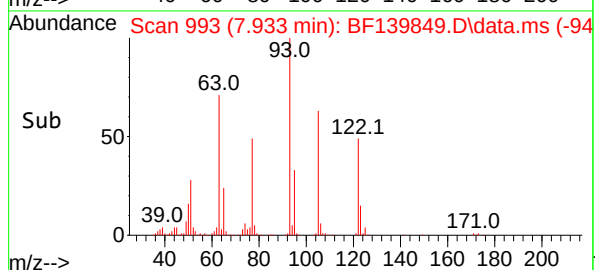
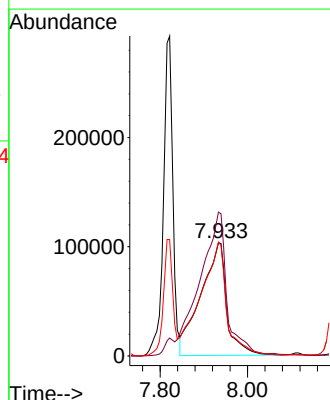
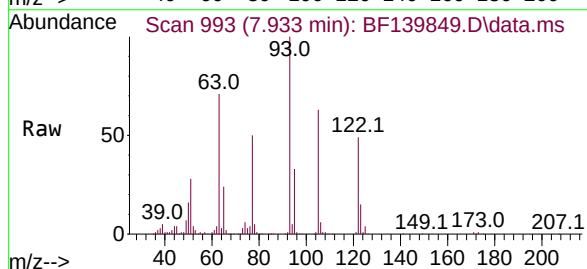
Tgt Ion:122 Resp: 426532

Ion Ratio Lower Upper

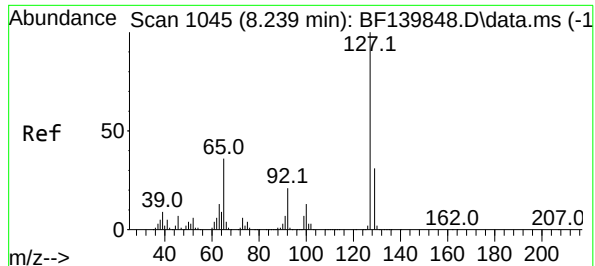
122 100

105 127.2 107.6 147.6

77 100.6 80.2 120.2

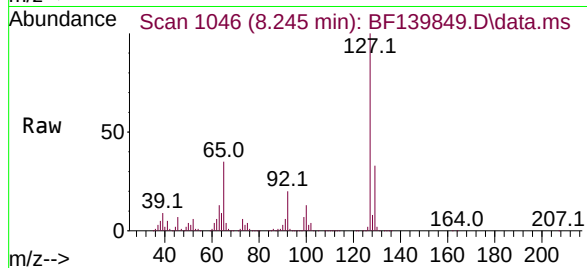






#33  
4-Chloroaniline  
Concen: 47.189 ng  
RT: 8.245 min Scan# 1045  
Delta R.T. 0.006 min  
Lab File: BF139849.D  
Acq: 18 Oct 2024 12:49

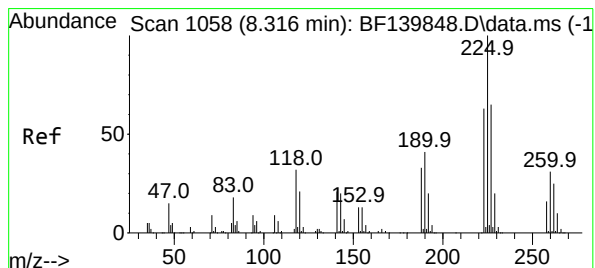
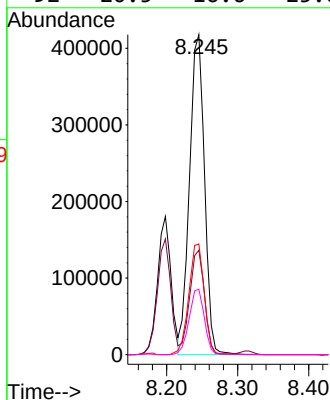
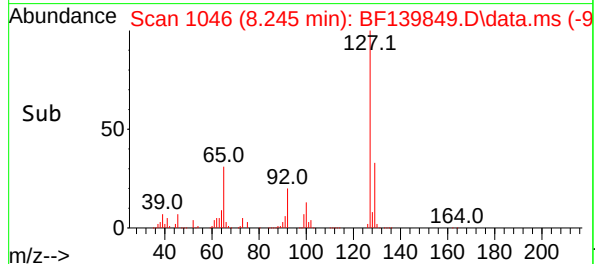
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC050



Tgt Ion:127 Resp: 61382  
Ion Ratio Lower Upper  
127 100  
129 32.7 25.4 38.2  
65 34.6 28.4 42.6  
92 20.5 16.6 25.0

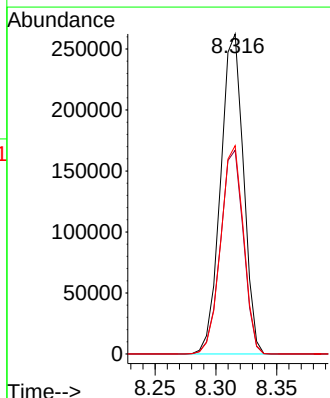
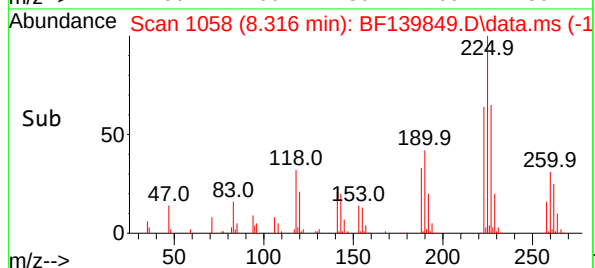
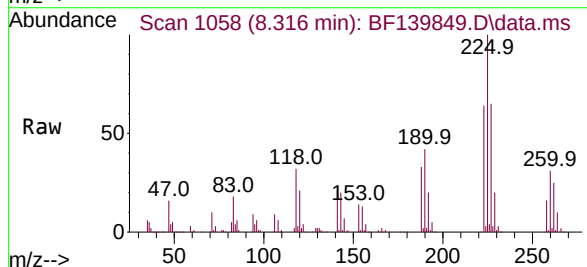
Manual Integrations  
APPROVED

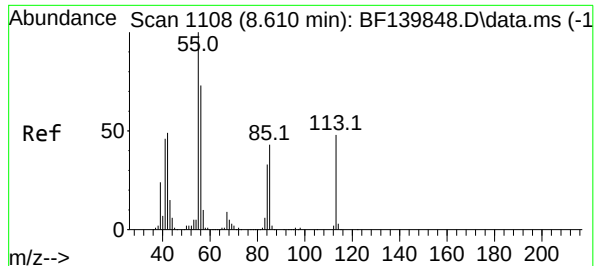
Reviewed By :Yogesh Patel 10/21/2024  
Supervised By :mohammad ahmed 10/21/2024



#34  
Hexachlorobutadiene  
Concen: 47.058 ng  
RT: 8.316 min Scan# 1058  
Delta R.T. 0.000 min  
Lab File: BF139849.D  
Acq: 18 Oct 2024 12:49

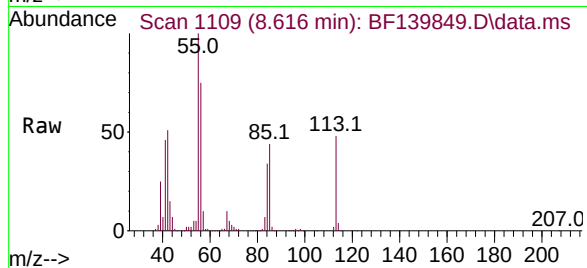
Tgt Ion:225 Resp: 343002  
Ion Ratio Lower Upper  
225 100  
223 63.7 50.6 76.0  
227 65.1 51.8 77.8





#35  
Caprolactam  
Concen: 48.675 ng  
RT: 8.616 min Scan# 1109  
Delta R.T. 0.006 min  
Lab File: BF139849.D  
Acq: 18 Oct 2024 12:49

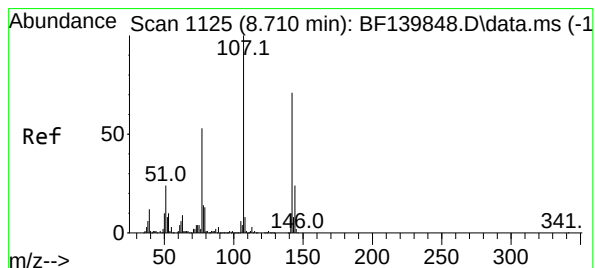
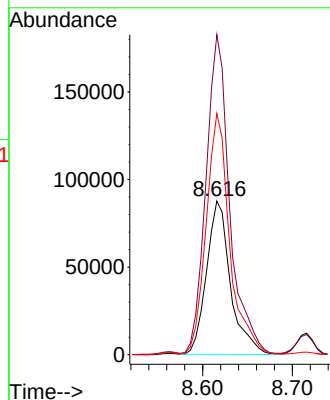
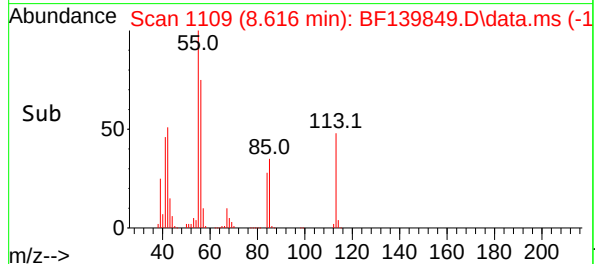
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC050



Tgt Ion:113 Resp: 162260  
Ion Ratio Lower Upper  
113 100  
55 208.2 189.2 229.2  
56 157.0 132.5 172.5

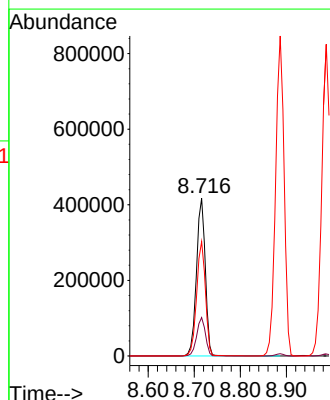
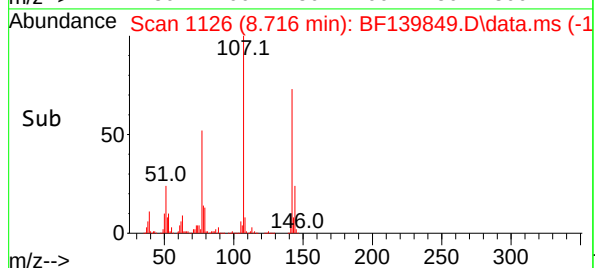
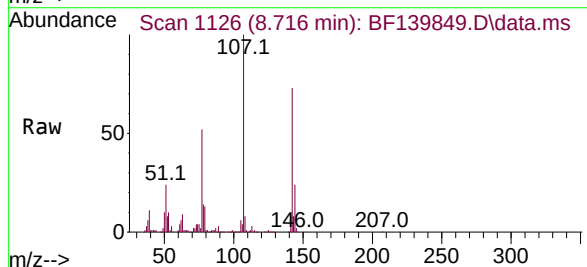
Manual Integrations  
APPROVED

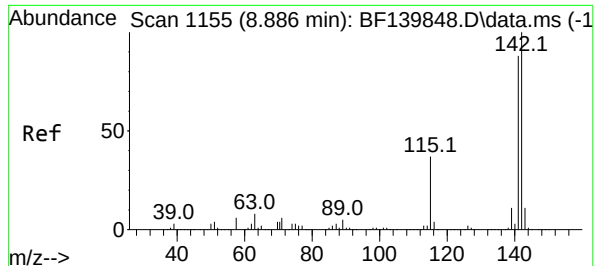
Reviewed By :Yogesh Patel 10/21/2024  
Supervised By :mohammad ahmed 10/21/2024



#36  
4-Chloro-3-methylphenol  
Concen: 47.678 ng  
RT: 8.716 min Scan# 1126  
Delta R.T. 0.006 min  
Lab File: BF139849.D  
Acq: 18 Oct 2024 12:49

Tgt Ion:107 Resp: 553487  
Ion Ratio Lower Upper  
107 100  
144 24.3 19.1 28.7  
142 72.6 57.2 85.8





#37

2-Methylnaphthalene

Concen: 46.462 ng

RT: 8.886 min Scan# 1155

Delta R.T. 0.000 min

Lab File: BF139849.D

Acq: 18 Oct 2024 12:49

Instrument :

BNA\_F

ClientSampleId :

SSTDICC050

Tgt Ion:142 Resp: 108549

Ion Ratio Lower Upper

142 100

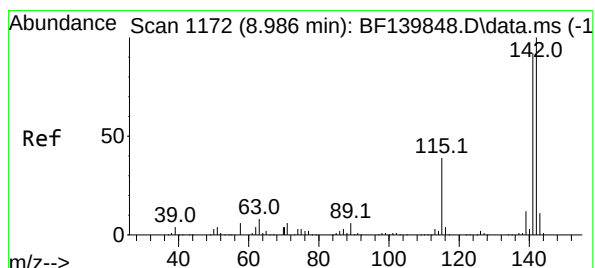
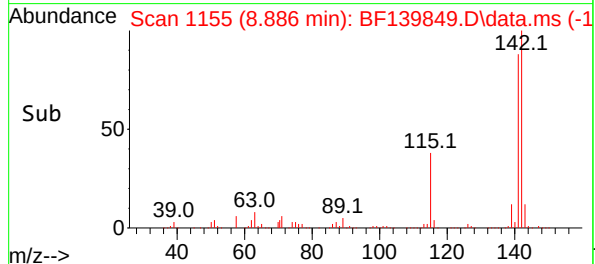
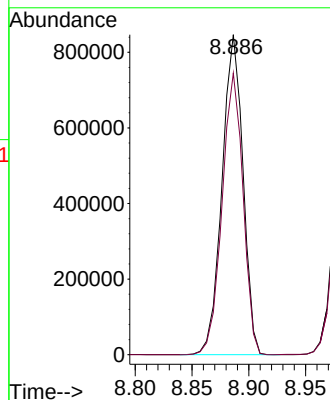
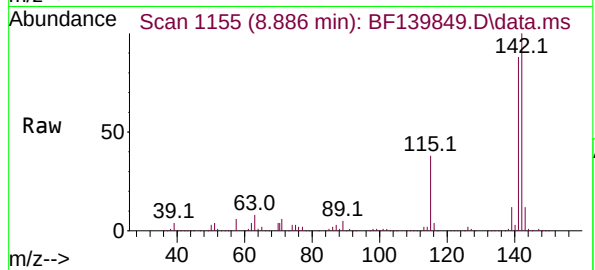
141 88.0 70.8 106.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#38

1-Methylnaphthalene

Concen: 45.933 ng

RT: 8.986 min Scan# 1172

Delta R.T. 0.000 min

Lab File: BF139849.D

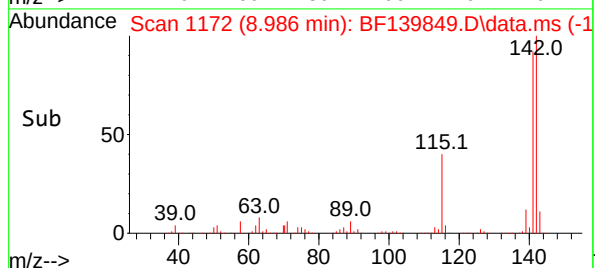
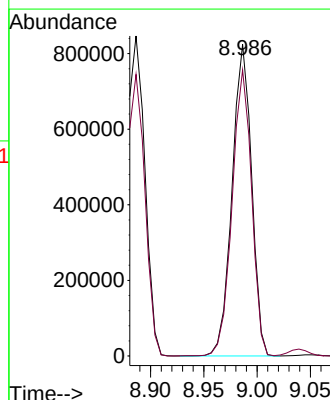
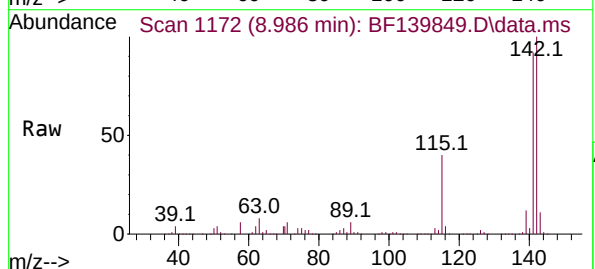
Acq: 18 Oct 2024 12:49

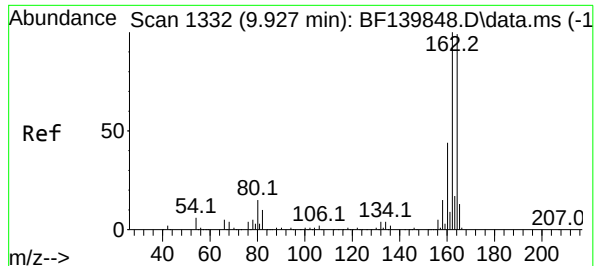
Tgt Ion:142 Resp: 1052879

Ion Ratio Lower Upper

142 100

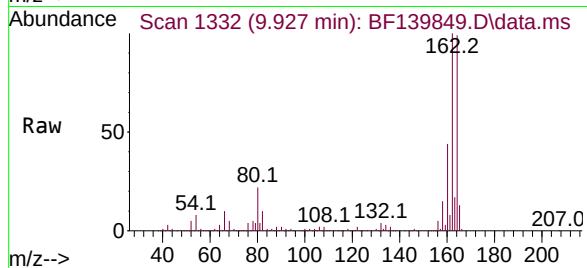
141 91.8 73.5 110.3





#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.927 min Scan# 1132  
Delta R.T. 0.000 min  
Lab File: BF139849.D  
Acq: 18 Oct 2024 12:49

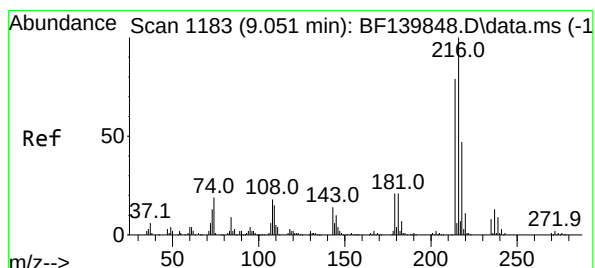
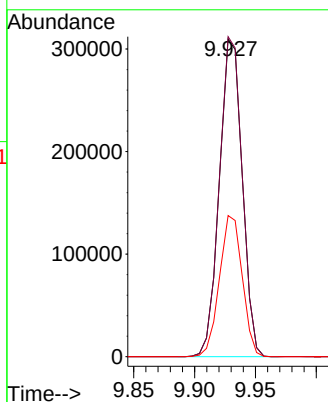
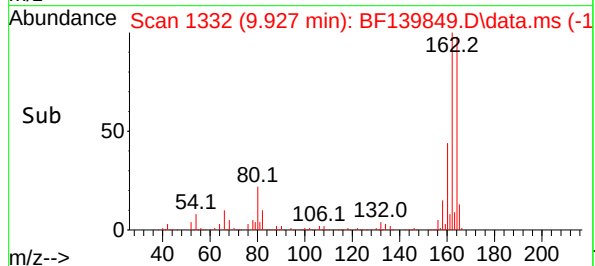
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC050



Tgt Ion:164 Resp: 405194  
Ion Ratio Lower Upper  
164 100  
162 100.7 81.0 121.4  
160 44.4 35.4 53.0

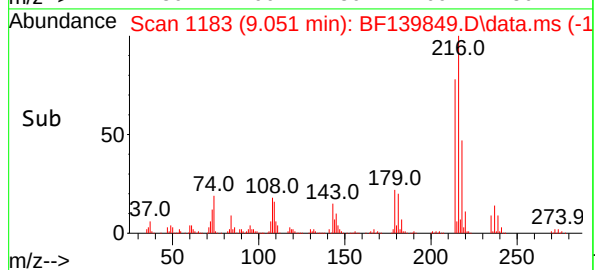
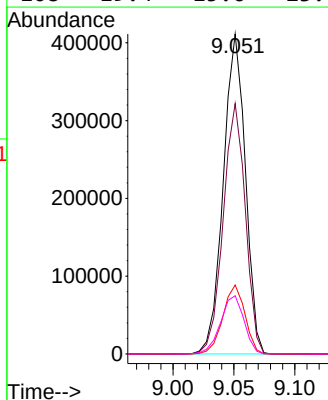
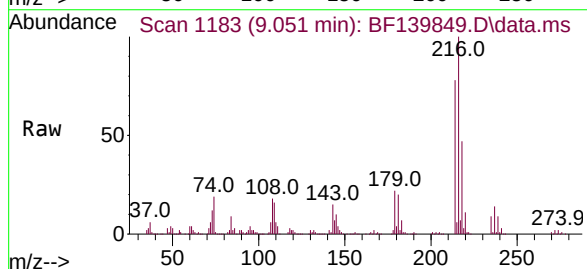
Manual Integrations  
APPROVED

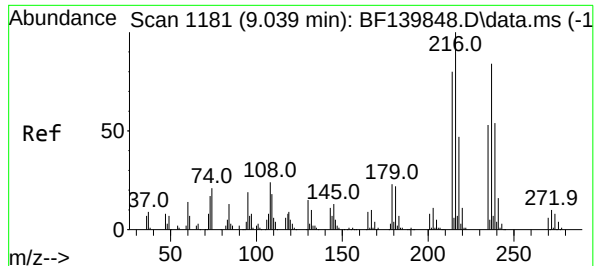
Reviewed By :Yogesh Patel 10/21/2024  
Supervised By :mohammad ahmed 10/21/2024



#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 47.474 ng  
RT: 9.051 min Scan# 1183  
Delta R.T. 0.000 min  
Lab File: BF139849.D  
Acq: 18 Oct 2024 12:49

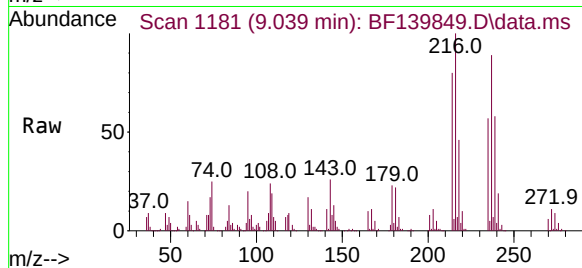
Tgt Ion:216 Resp: 518960  
Ion Ratio Lower Upper  
216 100  
214 78.3 63.4 95.0  
179 21.5 17.2 25.8  
108 19.4 15.6 23.4





#41  
Hexachlorocyclopentadiene  
Concen: 49.488 ng  
RT: 9.039 min Scan# 1181  
Delta R.T. 0.000 min  
Lab File: BF139849.D  
Acq: 18 Oct 2024 12:49

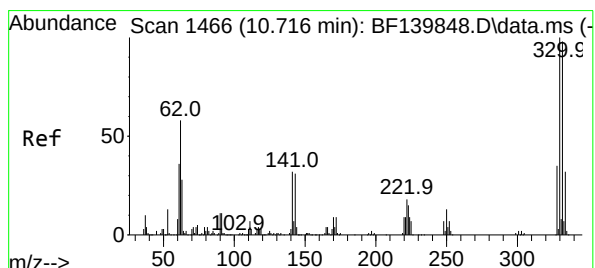
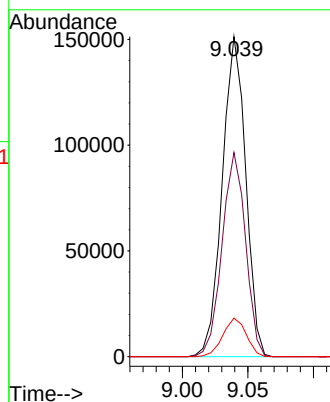
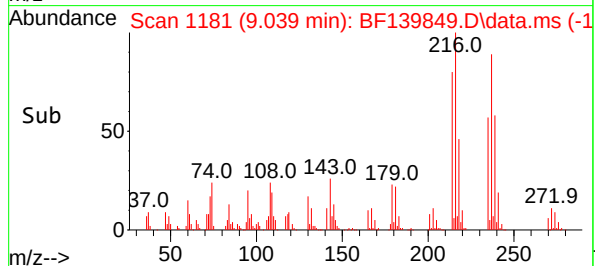
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC050



Tgt Ion: 237 Resp: 188234  
Ion Ratio Lower Upper  
237 100  
235 63.8 42.9 82.9  
272 12.0 0.0 32.3

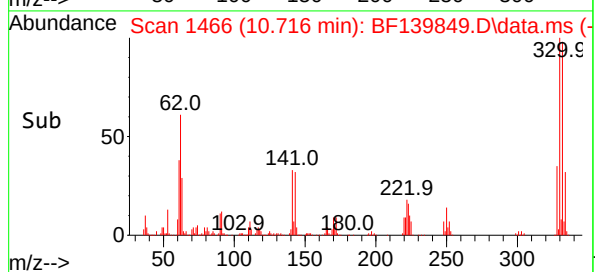
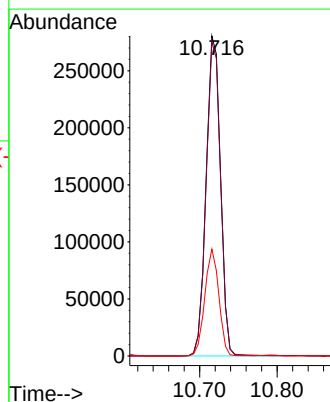
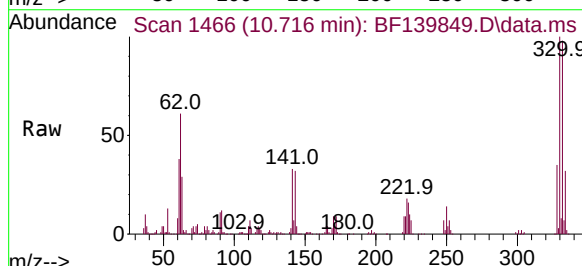
Manual Integrations  
APPROVED

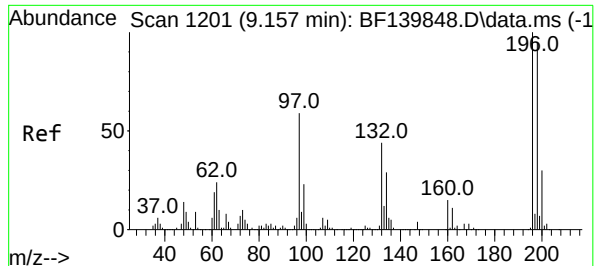
Reviewed By : Yogesh Patel 10/21/2024  
Supervised By : mohammad ahmed 10/21/2024



#42  
2,4,6-Tribromophenol  
Concen: 95.600 ng  
RT: 10.716 min Scan# 1466  
Delta R.T. 0.000 min  
Lab File: BF139849.D  
Acq: 18 Oct 2024 12:49

Tgt Ion: 330 Resp: 362330  
Ion Ratio Lower Upper  
330 100  
332 98.1 78.1 117.1  
141 32.6 26.6 39.8





#43

2,4,6-Trichlorophenol

Concen: 47.468 ng

RT: 9.157 min Scan# 1201

Delta R.T. 0.000 min

Lab File: BF139849.D

Acq: 18 Oct 2024 12:49

Instrument :

BNA\_F

ClientSampleId :

SSTDICC050

Tgt Ion:196 Resp: 36737

Ion Ratio Lower Upper

196 100

198 94.5 76.2 114.2

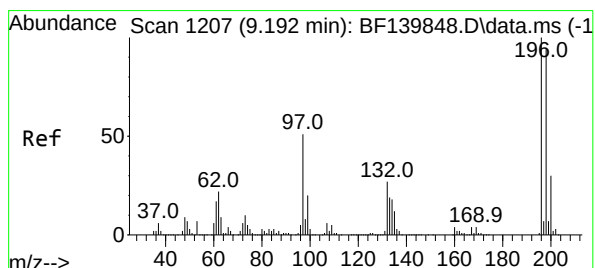
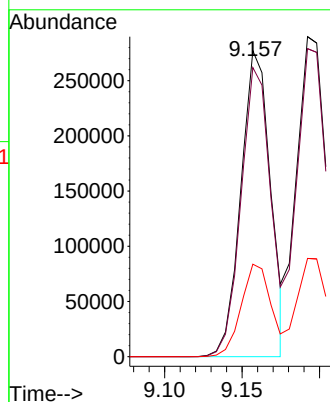
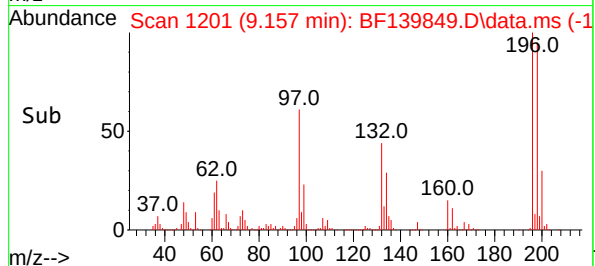
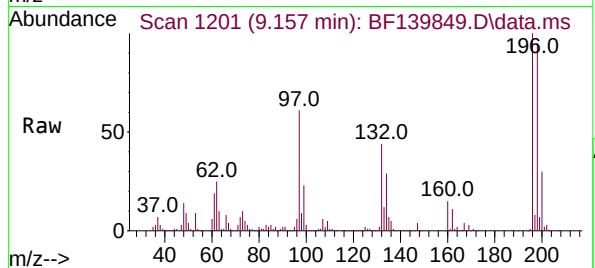
200 30.2 24.0 36.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#44

2,4,5-Trichlorophenol

Concen: 48.336 ng

RT: 9.192 min Scan# 1207

Delta R.T. 0.000 min

Lab File: BF139849.D

Acq: 18 Oct 2024 12:49

Tgt Ion:196 Resp: 385963

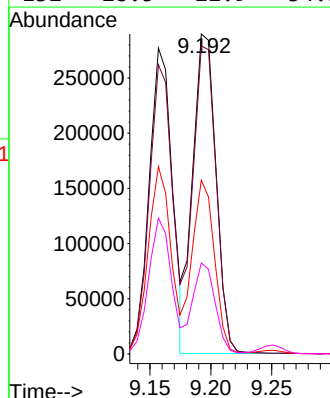
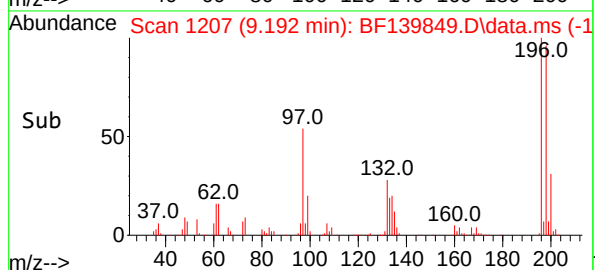
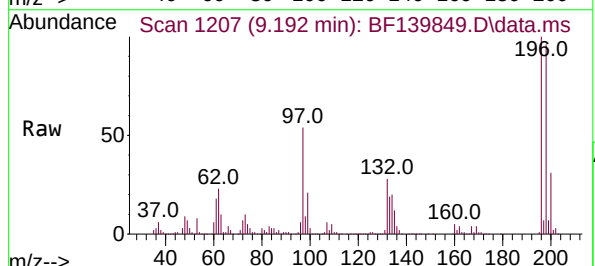
Ion Ratio Lower Upper

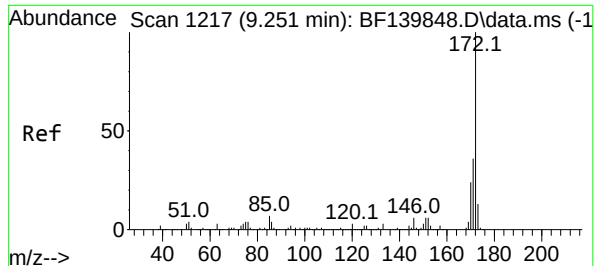
196 100

198 96.2 75.8 113.6

97 54.3 41.8 62.6

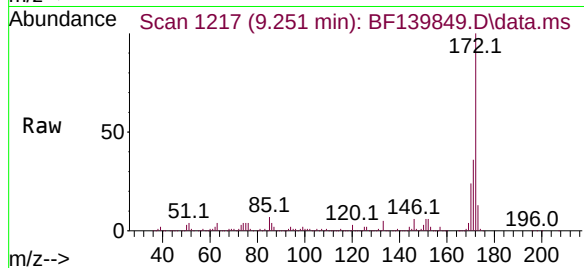
132 28.5 22.9 34.3





#45  
2-Fluorobiphenyl  
Concen: 89.915 ng  
RT: 9.251 min Scan# 1217  
Delta R.T. 0.000 min  
Lab File: BF139849.D  
Acq: 18 Oct 2024 12:49

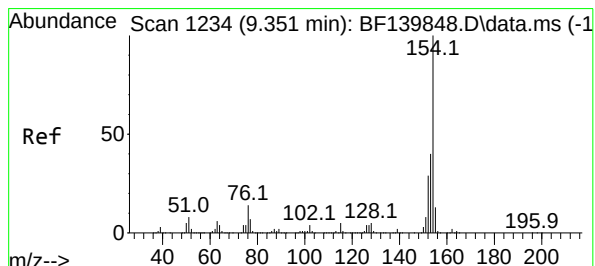
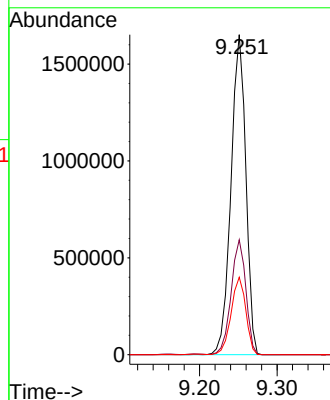
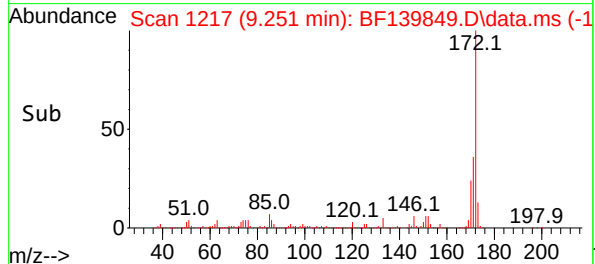
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC050



Tgt Ion:172 Resp: 2204460  
Ion Ratio Lower Upper  
172 100  
171 35.9 28.6 43.0  
170 24.2 19.1 28.7

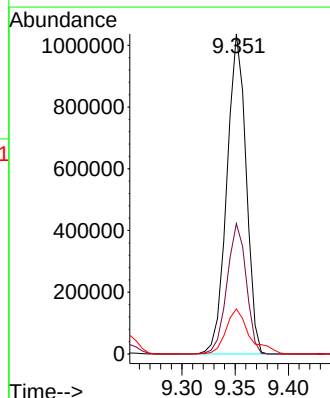
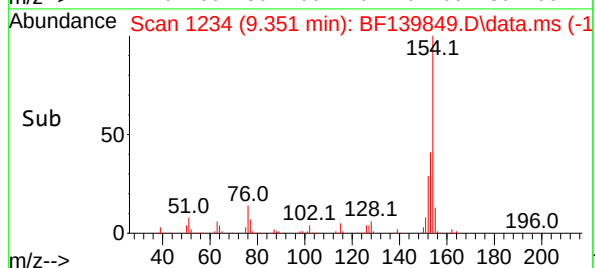
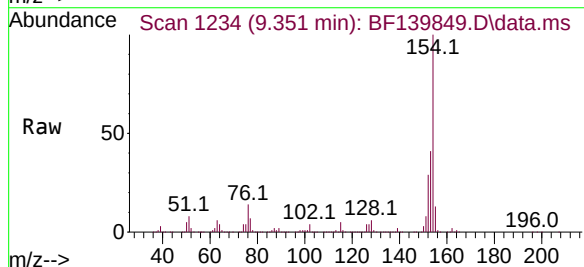
Manual Integrations  
APPROVED

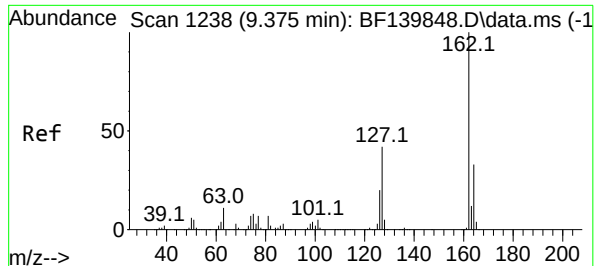
Reviewed By :Yogesh Patel 10/21/2024  
Supervised By :mohammad ahmed 10/21/2024



#46  
1,1'-Biphenyl  
Concen: 46.143 ng  
RT: 9.351 min Scan# 1234  
Delta R.T. 0.000 min  
Lab File: BF139849.D  
Acq: 18 Oct 2024 12:49

Tgt Ion:154 Resp: 1301562  
Ion Ratio Lower Upper  
154 100  
153 40.7 20.3 60.3  
76 14.1 0.0 33.9





#47

2-Chloronaphthalene

Concen: 46.720 ng

RT: 9.375 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF139849.D

Acq: 18 Oct 2024 12:49

Instrument :

BNA\_F

ClientSampleId :

SSTDICC050

Tgt Ion:162 Resp: 106141

Ion Ratio Lower Upper

162 100

127 43.3 33.8 50.6

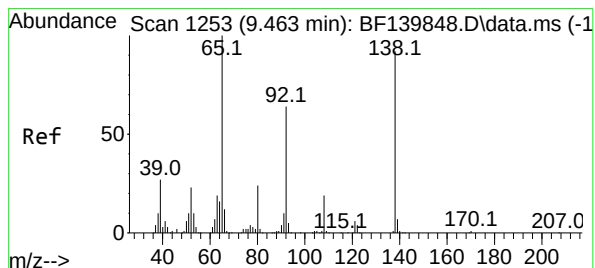
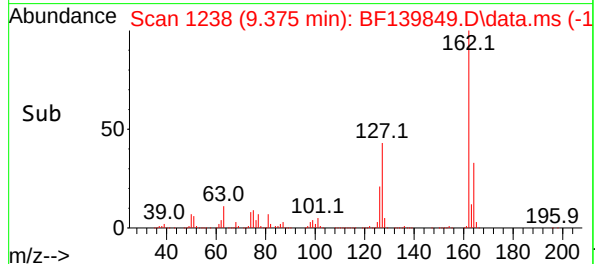
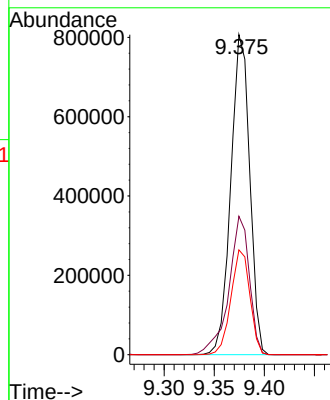
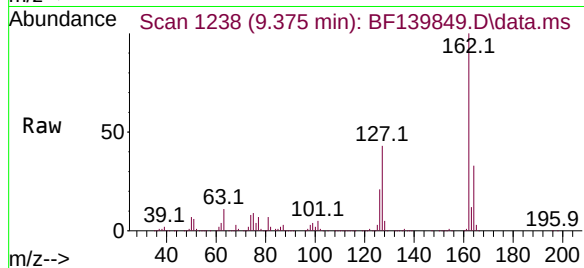
164 32.7 26.6 39.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#48

2-Nitroaniline

Concen: 51.564 ng

RT: 9.469 min Scan# 1254

Delta R.T. 0.006 min

Lab File: BF139849.D

Acq: 18 Oct 2024 12:49

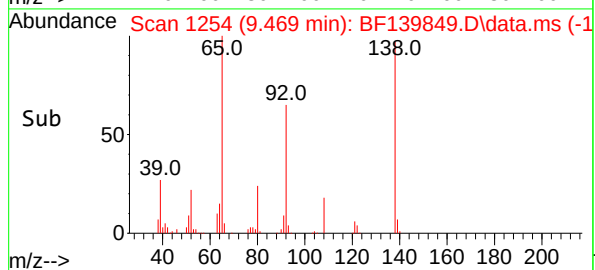
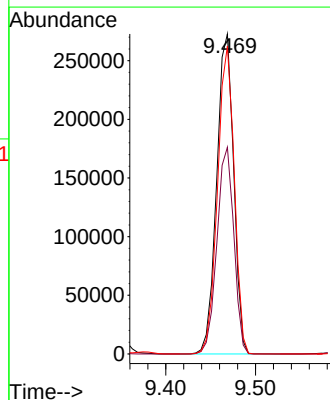
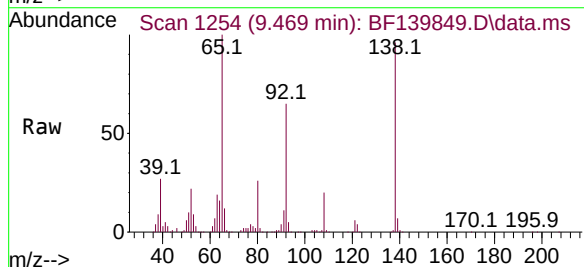
Tgt Ion: 65 Resp: 358283

Ion Ratio Lower Upper

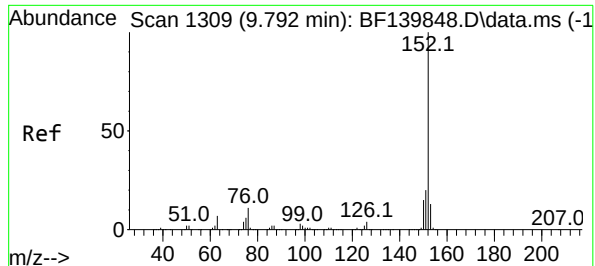
65 100

92 64.6 50.9 76.3

138 96.2 73.4 110.0







#49

Acenaphthylene

Concen: 46.479 ng

RT: 9.792 min Scan# 1309

Delta R.T. 0.000 min

Lab File: BF139849.D

Acq: 18 Oct 2024 12:49

Instrument :

BNA\_F

ClientSampleId :

SSTDICC050

Tgt Ion:152 Resp: 152658

Ion Ratio Lower Upper

152 100

151 20.4 15.9 23.9

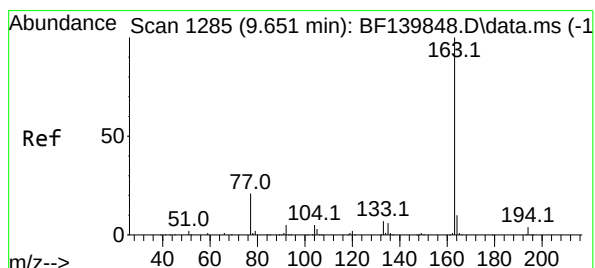
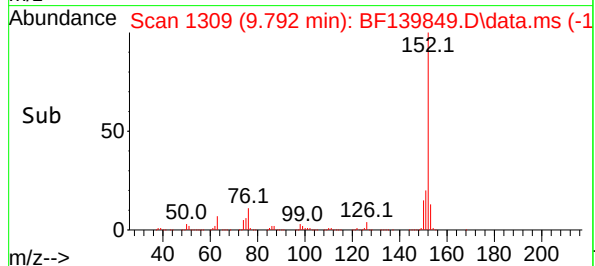
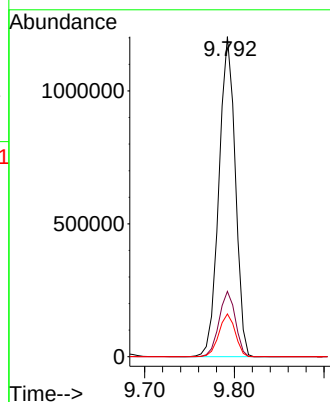
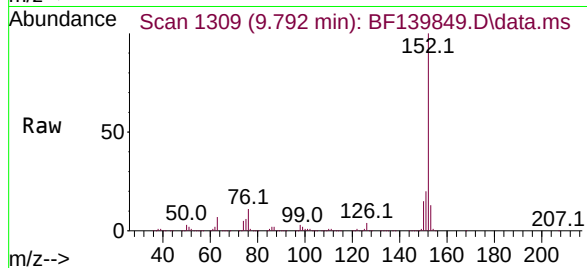
153 13.4 10.7 16.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#50

Dimethylphthalate

Concen: 47.050 ng

RT: 9.651 min Scan# 1285

Delta R.T. 0.000 min

Lab File: BF139849.D

Acq: 18 Oct 2024 12:49

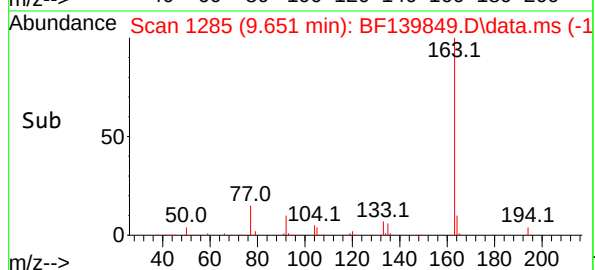
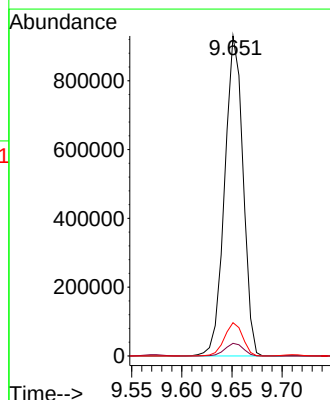
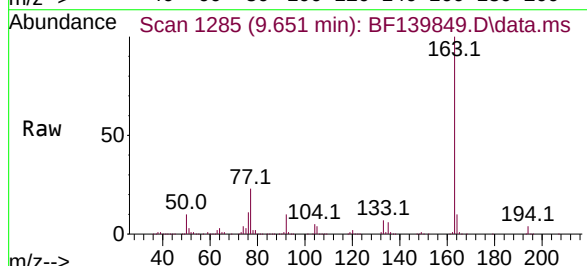
Tgt Ion:163 Resp: 1187472

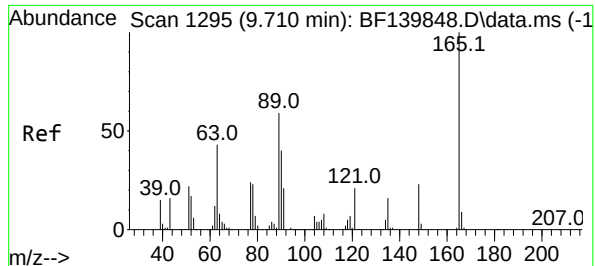
Ion Ratio Lower Upper

163 100

194 3.9 3.4 5.0

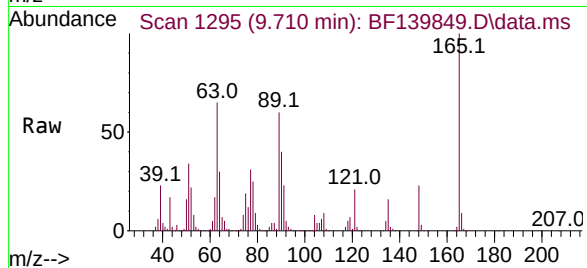
164 10.4 8.2 12.2





#51  
2,6-Dinitrotoluene  
Concen: 50.693 ng  
RT: 9.710 min Scan# 1295  
Delta R.T. 0.000 min  
Lab File: BF139849.D  
Acq: 18 Oct 2024 12:49

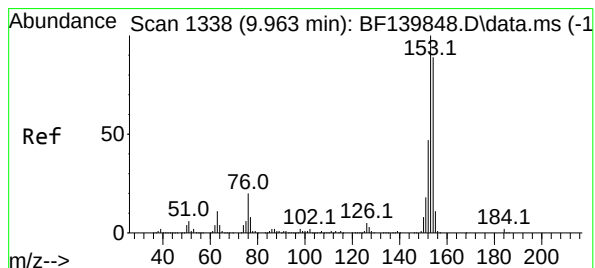
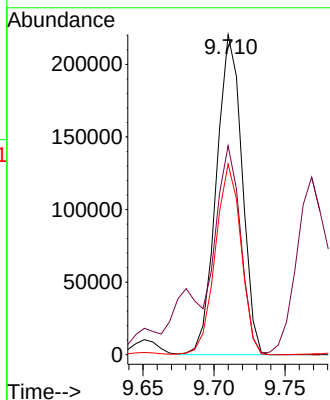
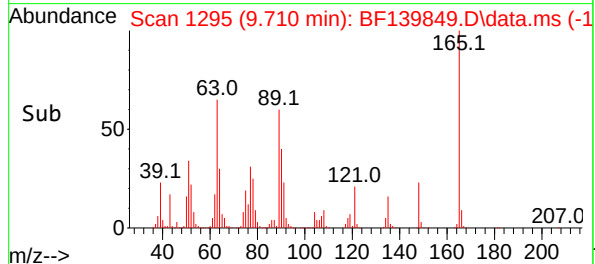
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC050



Tgt Ion:165 Resp: 27702  
Ion Ratio Lower Upper  
165 100  
63 65.3 50.6 75.8  
89 59.5 47.5 71.3

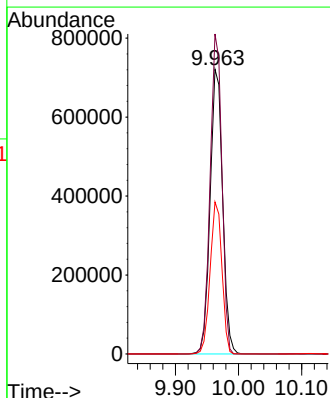
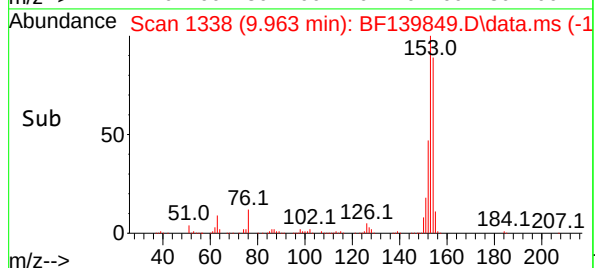
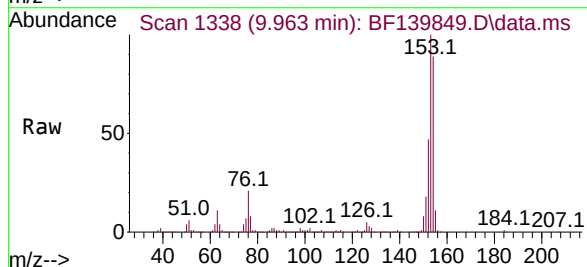
Manual Integrations  
APPROVED

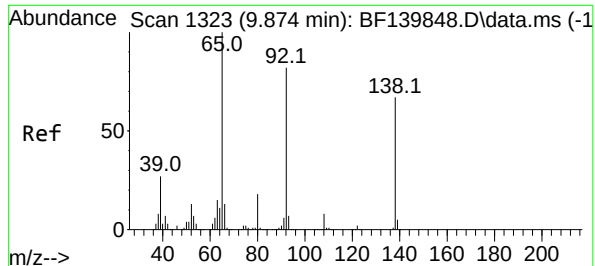
Reviewed By :Yogesh Patel 10/21/2024  
Supervised By :mohammad ahmed 10/21/2024



#52  
Acenaphthene  
Concen: 46.576 ng  
RT: 9.963 min Scan# 1338  
Delta R.T. 0.000 min  
Lab File: BF139849.D  
Acq: 18 Oct 2024 12:49

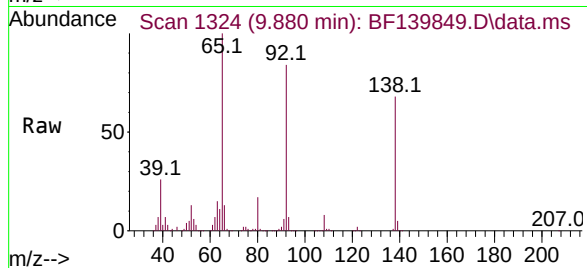
Tgt Ion:154 Resp: 989603  
Ion Ratio Lower Upper  
154 100  
153 112.4 89.8 134.6  
152 53.4 42.4 63.6





#53  
3-Nitroaniline  
Concen: 49.591 ng  
RT: 9.880 min Scan# 1324  
Delta R.T. 0.006 min  
Lab File: BF139849.D  
Acq: 18 Oct 2024 12:49

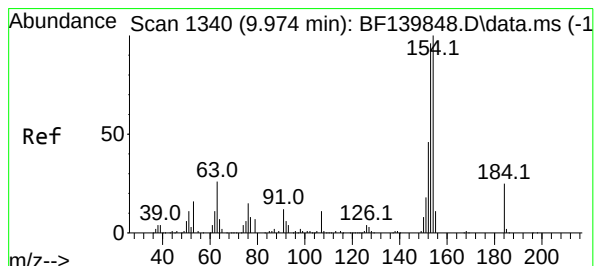
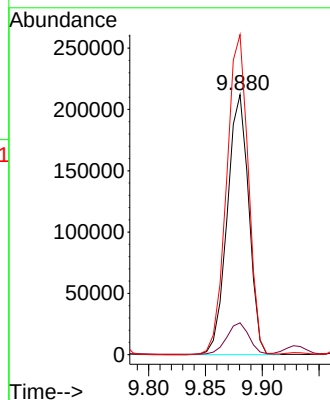
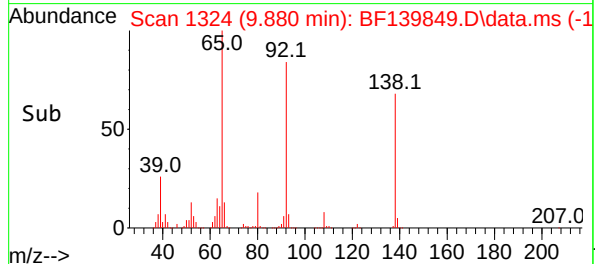
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC050



Tgt Ion:138 Resp: 27946  
Ion Ratio Lower Upper  
138 100  
108 12.2 10.2 15.2  
92 123.1 98.3 147.5

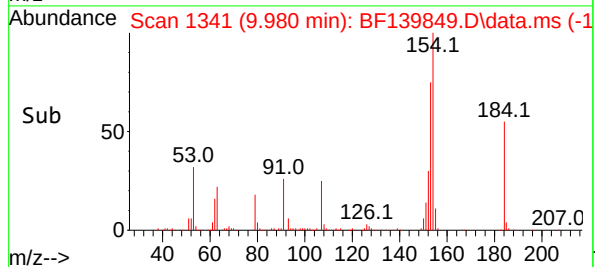
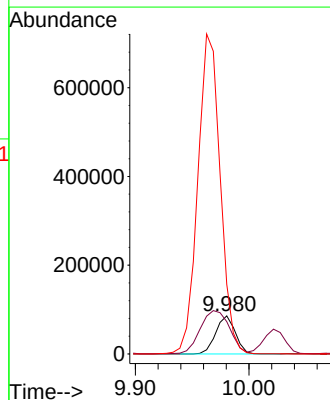
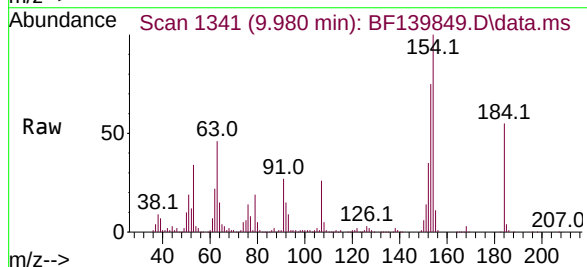
Manual Integrations  
APPROVED

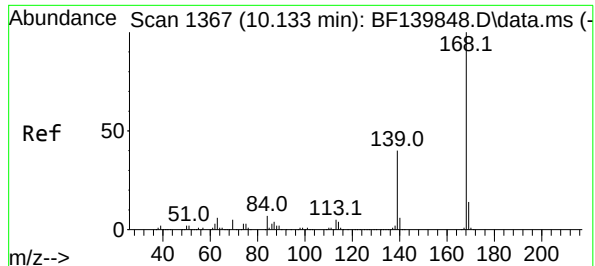
Reviewed By :Yogesh Patel 10/21/2024  
Supervised By :mohammad ahmed 10/21/2024



#54  
2,4-Dinitrophenol  
Concen: 48.105 ng  
RT: 9.980 min Scan# 1341  
Delta R.T. 0.006 min  
Lab File: BF139849.D  
Acq: 18 Oct 2024 12:49

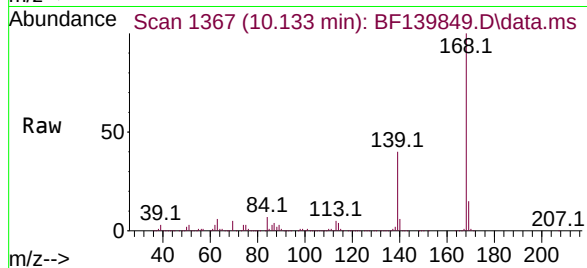
Tgt Ion:184 Resp: 102786  
Ion Ratio Lower Upper  
184 100  
63 84.8 84.7 127.1  
154 182.9 338.2 507.2#





#55  
Dibenzofuran  
Concen: 46.162 ng  
RT: 10.133 min Scan# 1367  
Delta R.T. 0.000 min  
Lab File: BF139849.D  
Acq: 18 Oct 2024 12:49

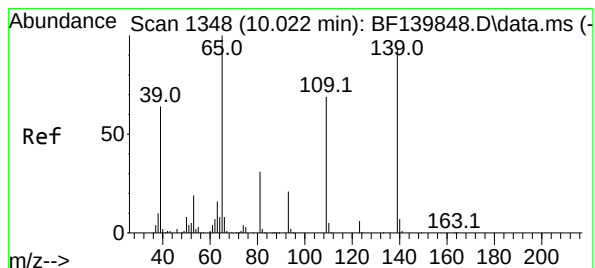
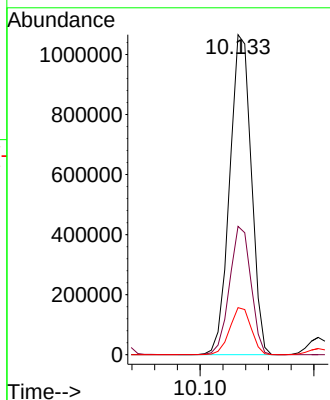
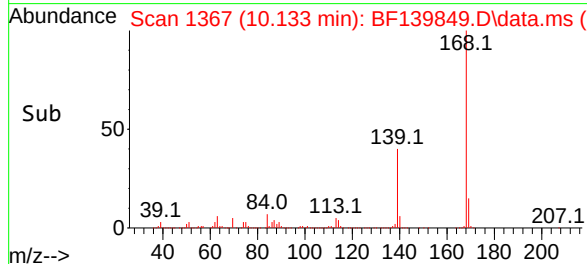
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC050



Tgt Ion:168 Resp: 140721  
Ion Ratio Lower Upper  
168 100  
139 40.1 31.8 47.6  
169 14.7 11.6 17.4

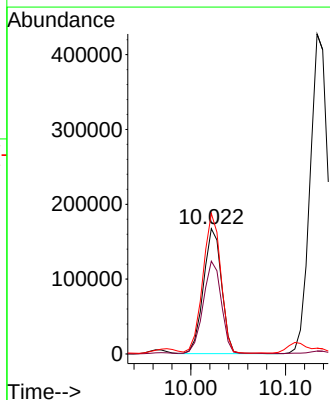
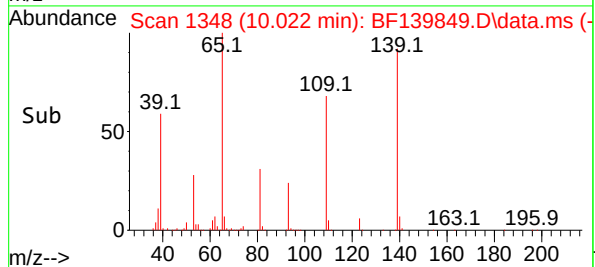
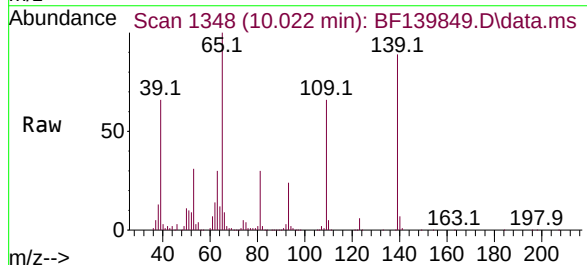
Manual Integrations  
APPROVED

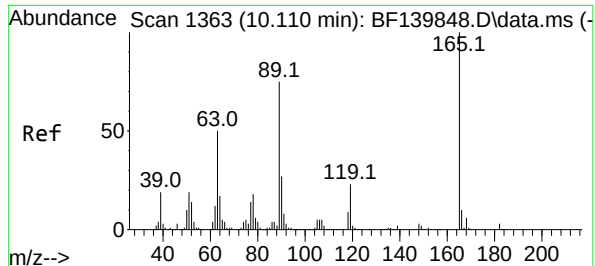
Reviewed By :Yogesh Patel 10/21/2024  
Supervised By :mohammad ahmed 10/21/2024



#56  
4-Nitrophenol  
Concen: 51.068 ng  
RT: 10.022 min Scan# 1348  
Delta R.T. 0.000 min  
Lab File: BF139849.D  
Acq: 18 Oct 2024 12:49

Tgt Ion:139 Resp: 221410  
Ion Ratio Lower Upper  
139 100  
109 74.0 53.6 93.6  
65 112.1 87.8 127.8





#57  
2,4-Dinitrotoluene  
Concen: 51.878 ng  
RT: 10.110 min Scan# 1363  
Delta R.T. 0.000 min  
Lab File: BF139849.D  
Acq: 18 Oct 2024 12:49

Instrument :

BNA\_F

ClientSampleId :

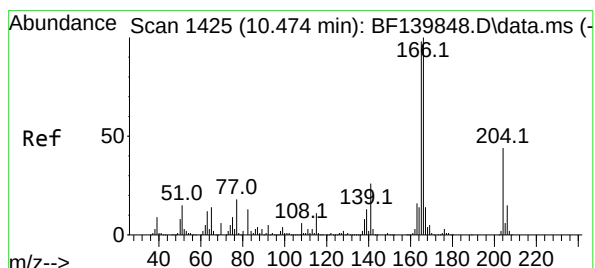
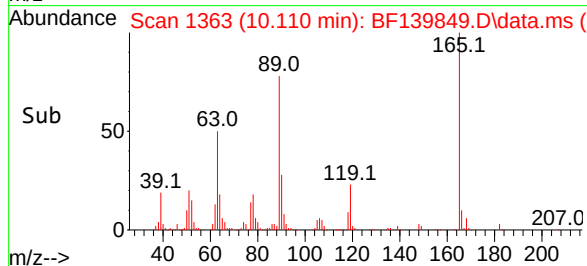
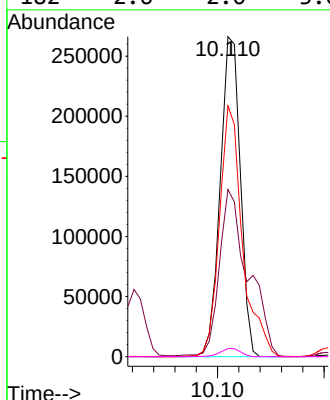
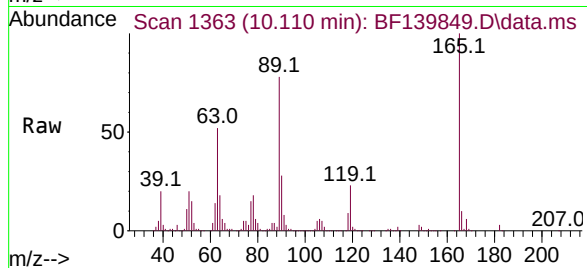
SSTDICC050

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 52.2  | 40.1  | 60.1  |
| 89      | 78.4  | 60.4  | 90.6  |
| 182     | 2.6   | 2.0   | 3.0   |

Manual Integrations

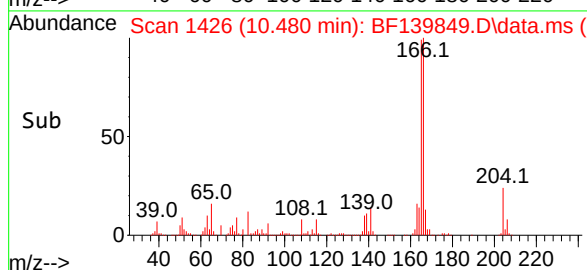
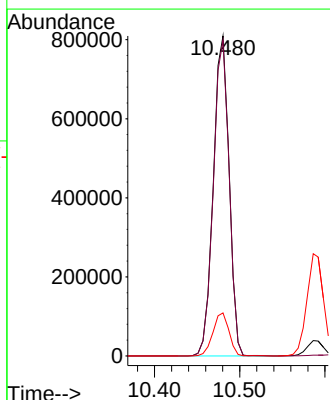
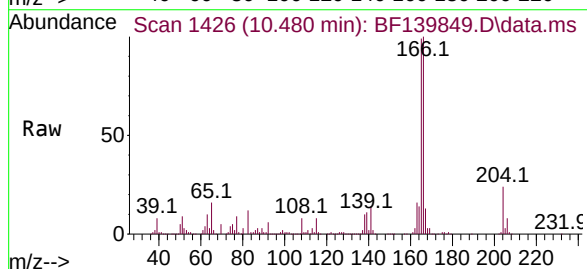
APPROVED

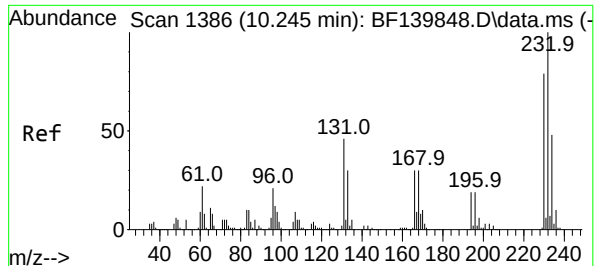
Reviewed By :Yogesh Patel 10/21/2024  
Supervised By :mohammad ahmed 10/21/2024



#58  
Fluorene  
Concen: 44.889 ng  
RT: 10.480 min Scan# 1426  
Delta R.T. 0.006 min  
Lab File: BF139849.D  
Acq: 18 Oct 2024 12:49

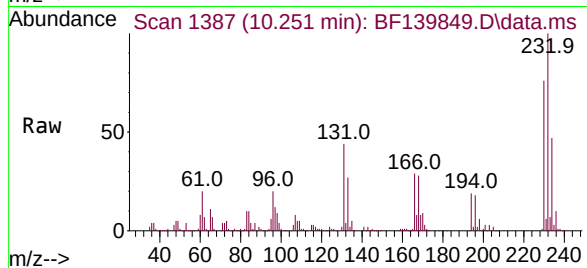
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 98.6  | 78.5  | 117.7 |
| 167     | 13.5  | 10.9  | 16.3  |





#59  
2,3,4,6-Tetrachlorophenol  
Concen: 47.975 ng  
RT: 10.251 min Scan# 1387  
Delta R.T. 0.006 min  
Lab File: BF139849.D  
Acq: 18 Oct 2024 12:49

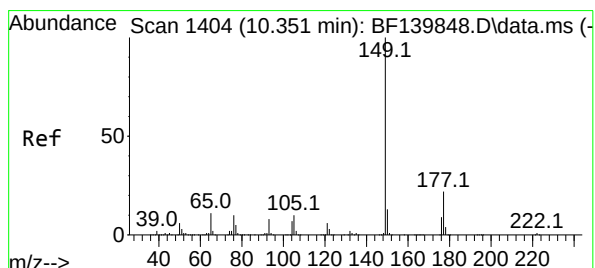
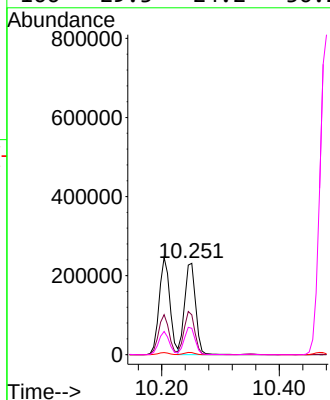
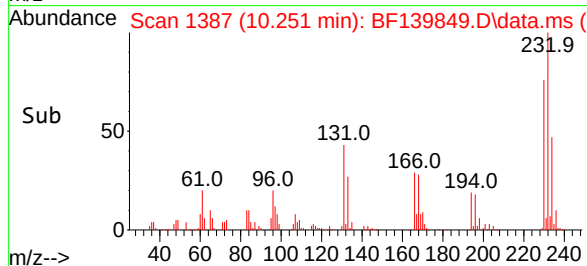
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC050



Tgt Ion:232 Resp: 300300  
Ion Ratio Lower Upper  
232 100  
131 45.6 37.0 55.6  
130 2.4 1.9 2.9  
166 29.3 24.2 36.2

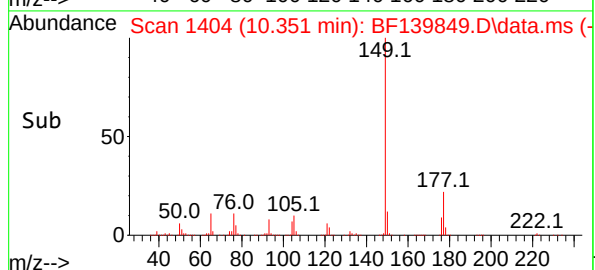
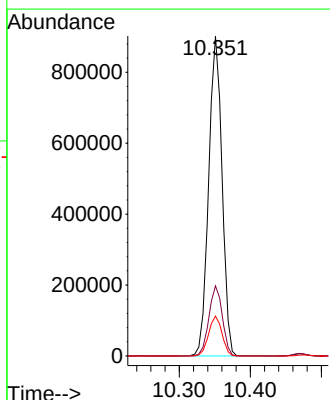
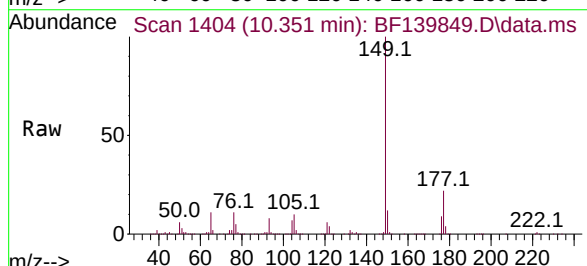
Manual Integrations  
APPROVED

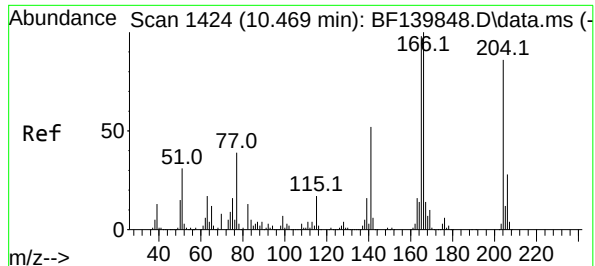
Reviewed By :Yogesh Patel 10/21/2024  
Supervised By :mohammad ahmed 10/21/2024



#60  
Diethylphthalate  
Concen: 47.634 ng  
RT: 10.351 min Scan# 1404  
Delta R.T. 0.000 min  
Lab File: BF139849.D  
Acq: 18 Oct 2024 12:49

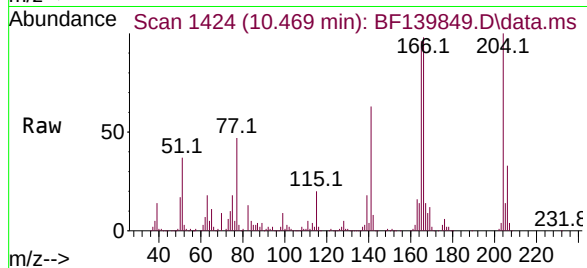
Tgt Ion:149 Resp: 1180411  
Ion Ratio Lower Upper  
149 100  
177 21.9 17.9 26.9  
150 12.5 10.1 15.1





#61  
4-Chlorophenyl-phenylether  
Concen: 45.427 ng  
RT: 10.469 min Scan# 1424  
Delta R.T. 0.000 min  
Lab File: BF139849.D  
Acq: 18 Oct 2024 12:49

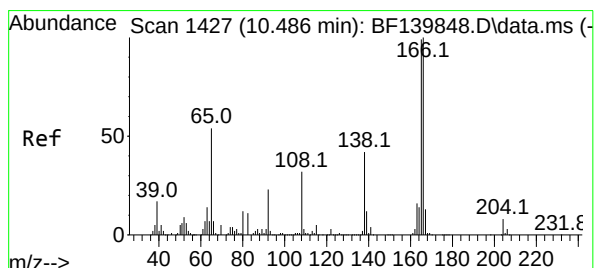
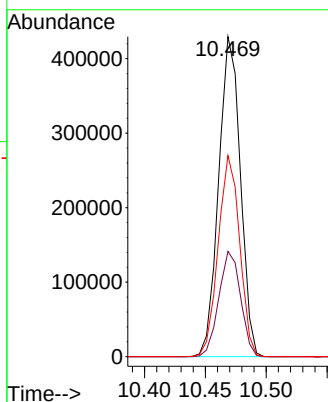
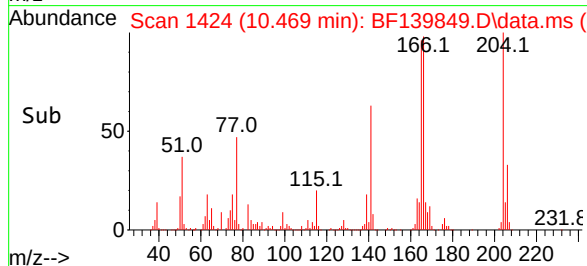
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC050



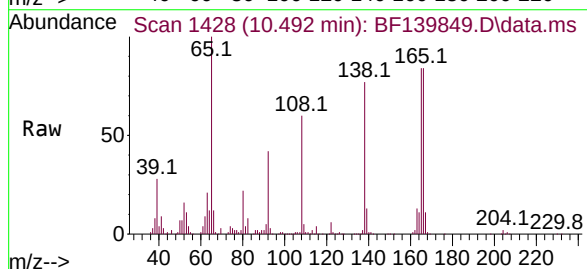
Tgt Ion:204 Resp: 532654  
Ion Ratio Lower Upper  
204 100  
206 32.9 26.3 39.5  
141 62.9 48.6 73.0

Manual Integrations  
APPROVED

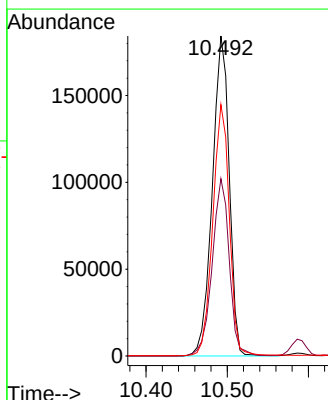
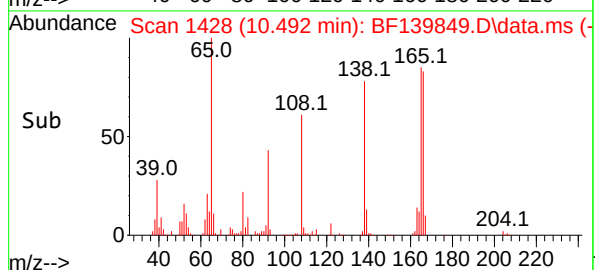
Reviewed By :Yogesh Patel 10/21/2024  
Supervised By :mohammad ahmed 10/21/2024

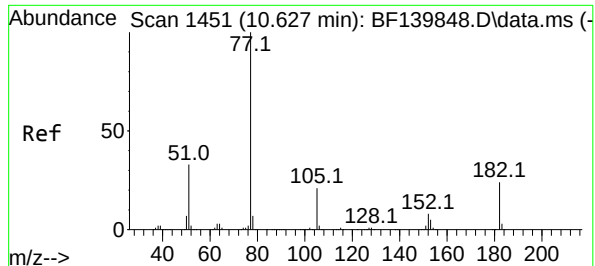


#62  
4-Nitroaniline  
Concen: 50.037 ng  
RT: 10.492 min Scan# 1428  
Delta R.T. 0.006 min  
Lab File: BF139849.D  
Acq: 18 Oct 2024 12:49



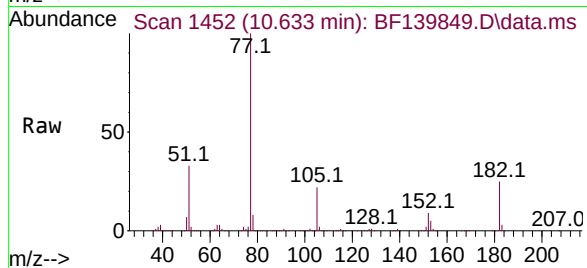
Tgt Ion:138 Resp: 266320  
Ion Ratio Lower Upper  
138 100  
92 55.4 35.7 75.7  
108 78.6 57.5 97.5





#63  
Azobenzene  
Concen: 46.881 ng  
RT: 10.633 min Scan# 1451  
Delta R.T. 0.006 min  
Lab File: BF139849.D  
Acq: 18 Oct 2024 12:49

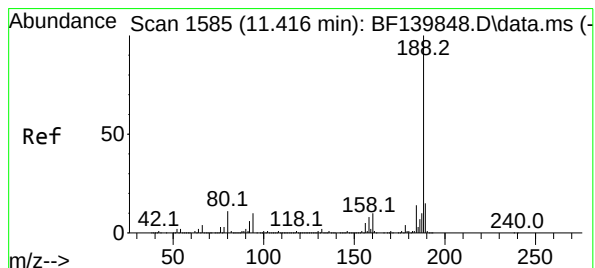
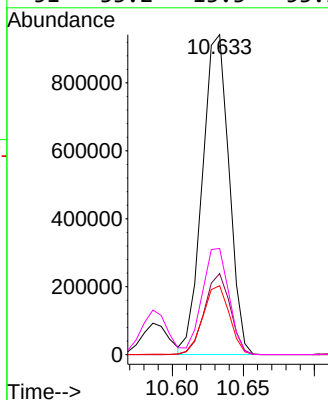
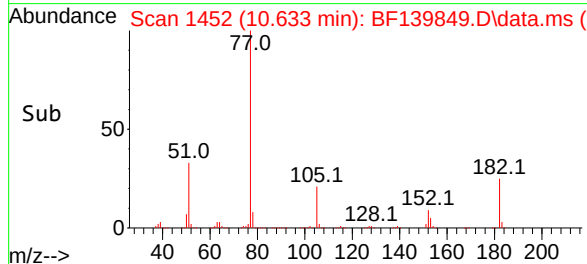
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC050



Tgt Ion: 77 Resp: 123164  
Ion Ratio Lower Upper  
77 100  
182 25.4 3.3 43.3  
105 21.5 1.2 41.2  
51 33.2 13.3 53.3

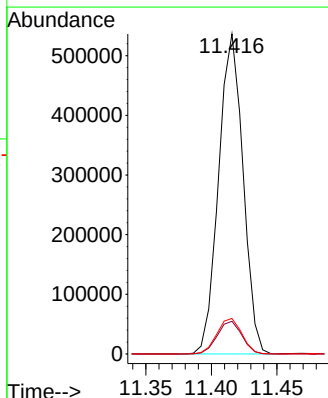
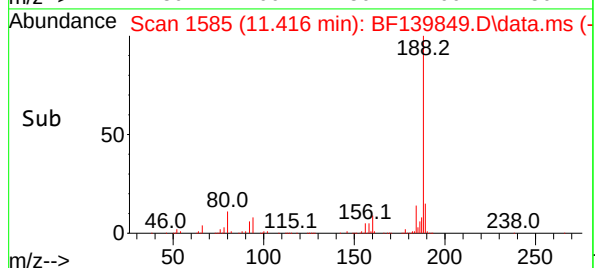
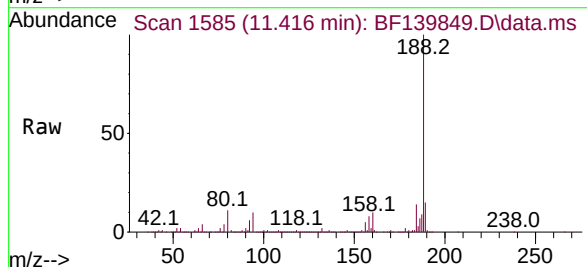
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 10/21/2024  
Supervised By :mohammad ahmed 10/21/2024

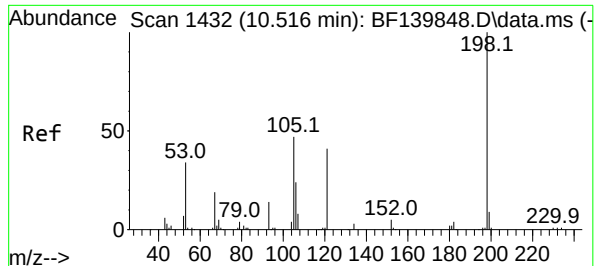


#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.416 min Scan# 1585  
Delta R.T. 0.000 min  
Lab File: BF139849.D  
Acq: 18 Oct 2024 12:49

Tgt Ion:188 Resp: 694873  
Ion Ratio Lower Upper  
188 100  
94 10.2 7.9 11.9  
80 11.1 9.0 13.4







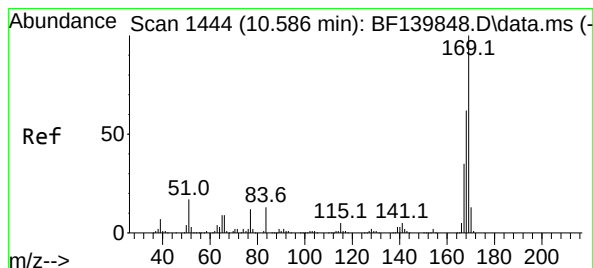
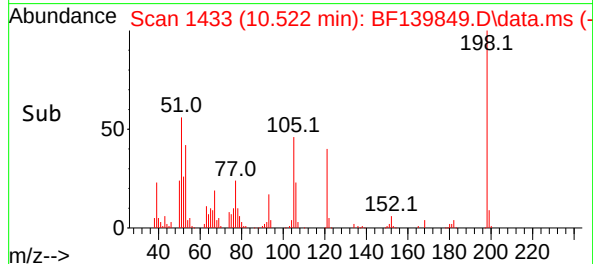
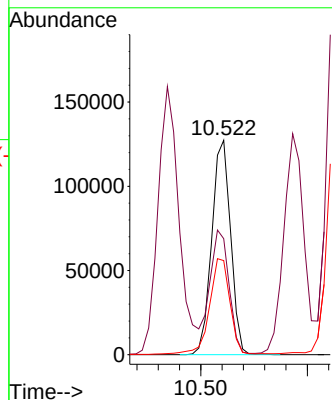
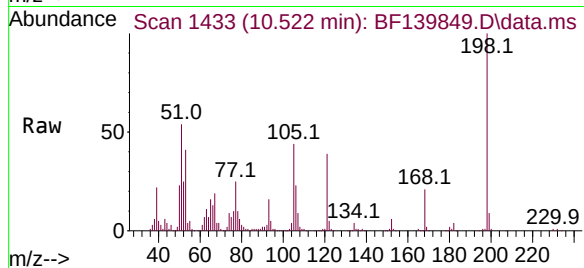
#65  
4,6-Dinitro-2-methylphenol  
Concen: 55.202 ng  
RT: 10.522 min Scan# 1433  
Delta R.T. 0.006 min  
Lab File: BF139849.D  
Acq: 18 Oct 2024 12:49

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC050

Tgt Ion:198 Resp: 15646  
Ion Ratio Lower Upper  
198 100  
51 54.1 38.2 78.2  
105 43.9 27.9 67.9

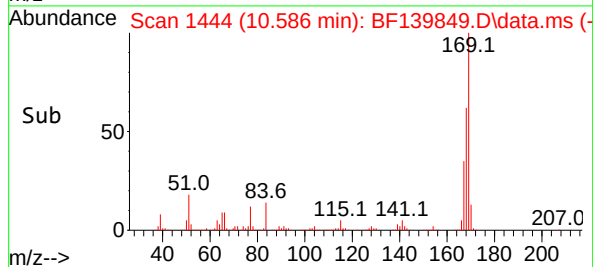
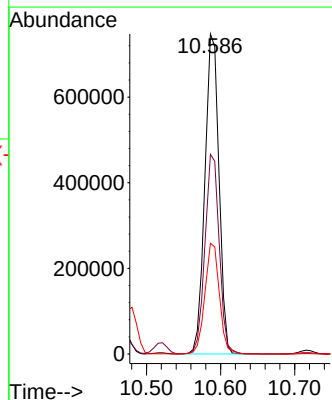
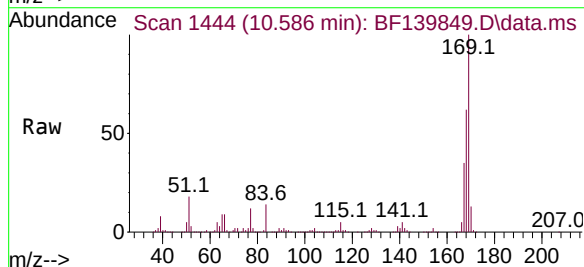
Manual Integrations  
APPROVED

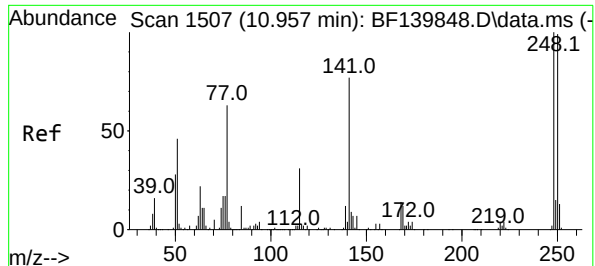
Reviewed By :Yogesh Patel 10/21/2024  
Supervised By :mohammad ahmed 10/21/2024



#66  
n-Nitrosodiphenylamine  
Concen: 47.472 ng  
RT: 10.586 min Scan# 1444  
Delta R.T. 0.000 min  
Lab File: BF139849.D  
Acq: 18 Oct 2024 12:49

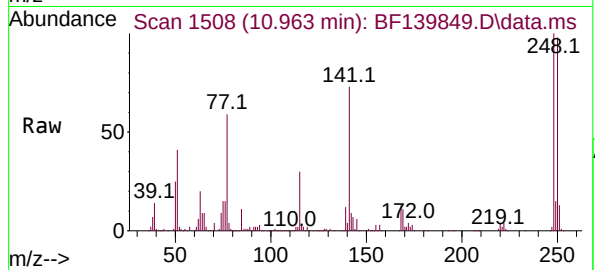
Tgt Ion:169 Resp: 987295  
Ion Ratio Lower Upper  
169 100  
168 62.4 49.8 74.6  
167 34.6 28.0 42.0





#67  
4-Bromophenyl-phenylether  
Concen: 47.746 ng  
RT: 10.963 min Scan# 1508  
Delta R.T. 0.006 min  
Lab File: BF139849.D  
Acq: 18 Oct 2024 12:49

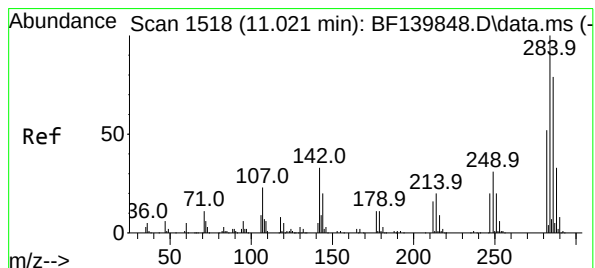
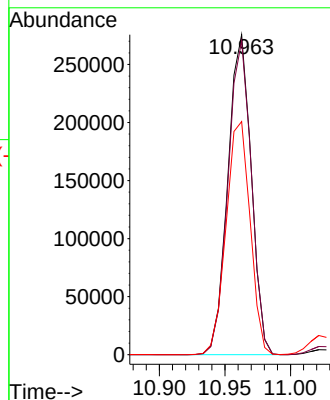
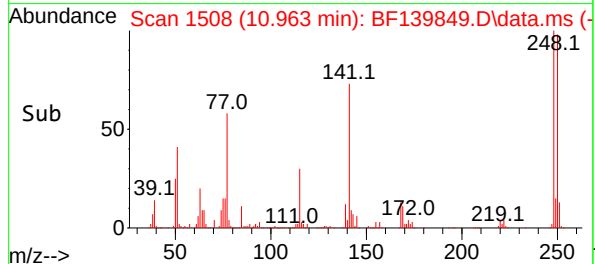
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC050



Tgt Ion:248 Resp: 341790  
Ion Ratio Lower Upper  
248 100  
250 98.1 79.0 118.6  
141 72.9 61.7 92.5

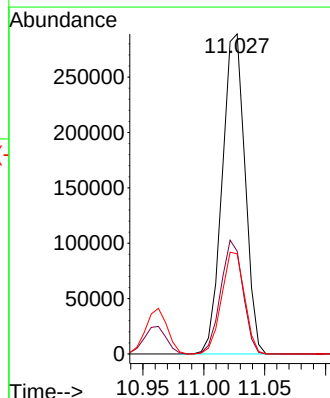
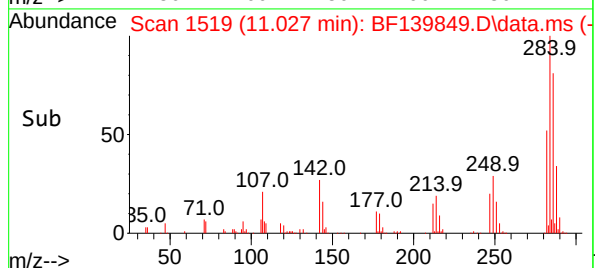
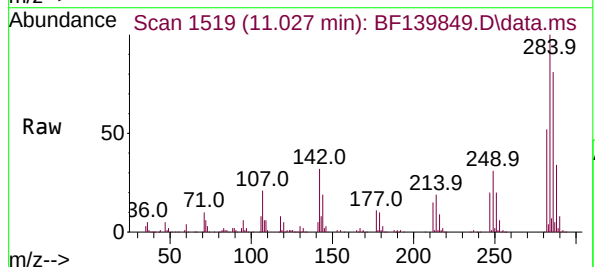
Manual Integrations  
APPROVED

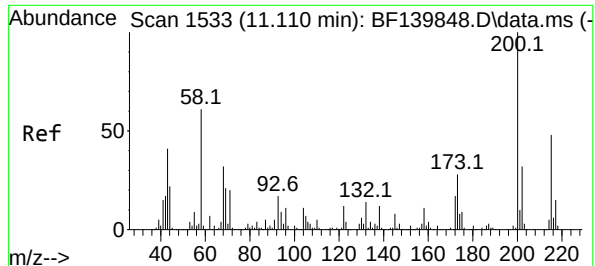
Reviewed By :Yogesh Patel 10/21/2024  
Supervised By :mohammad ahmed 10/21/2024



#68  
Hexachlorobenzene  
Concen: 46.823 ng  
RT: 11.027 min Scan# 1519  
Delta R.T. 0.006 min  
Lab File: BF139849.D  
Acq: 18 Oct 2024 12:49

Tgt Ion:284 Resp: 376968  
Ion Ratio Lower Upper  
284 100  
142 32.2 26.9 40.3  
249 31.3 25.3 37.9





#69

Atrazine

Concen: 41.713 ng

RT: 11.110 min Scan# 1533

Delta R.T. 0.000 min

Lab File: BF139849.D

Acq: 18 Oct 2024 12:49

Instrument :

BNA\_F

ClientSampleId :

SSTDIC050

Tgt Ion:200 Resp: 234998

Ion Ratio Lower Upper

200 100

173 27.4 7.7 47.7

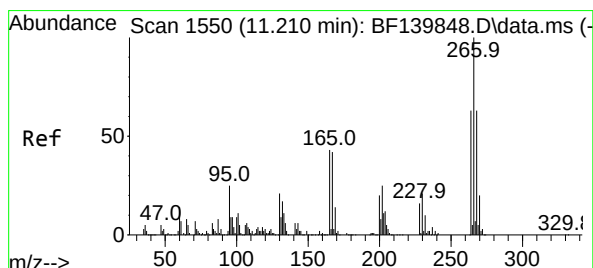
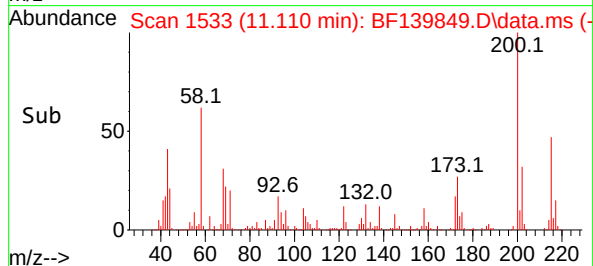
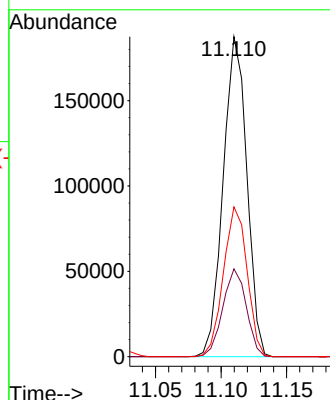
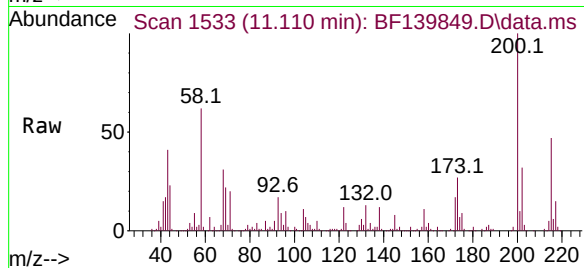
215 46.8 27.7 67.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#70

Pentachlorophenol

Concen: 51.587 ng

RT: 11.216 min Scan# 1551

Delta R.T. 0.006 min

Lab File: BF139849.D

Acq: 18 Oct 2024 12:49

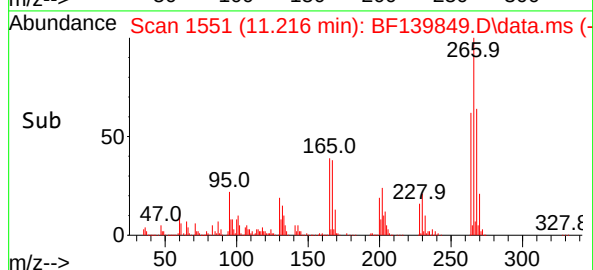
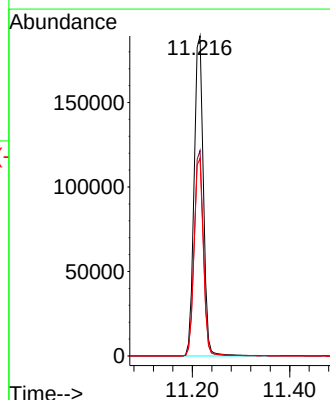
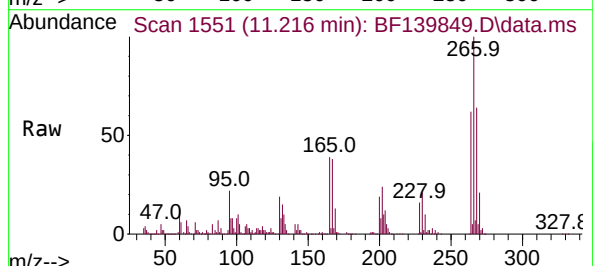
Tgt Ion:266 Resp: 252064

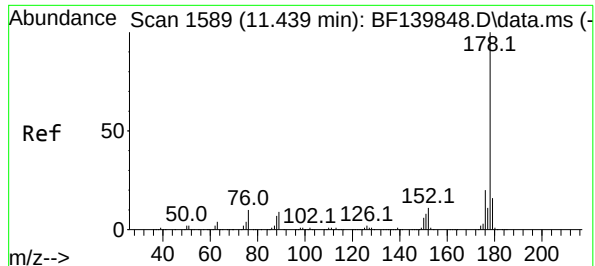
Ion Ratio Lower Upper

266 100

268 64.2 50.4 75.6

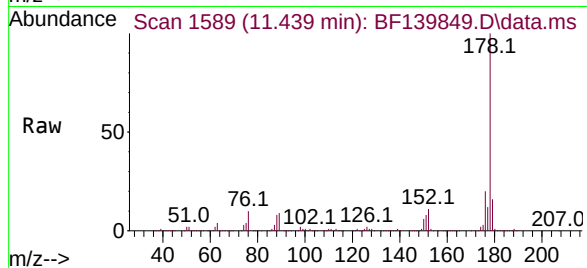
264 61.7 50.6 75.8





#71  
Phenanthrene  
Concen: 45.700 ng  
RT: 11.439 min Scan# 1589  
Delta R.T. 0.000 min  
Lab File: BF139849.D  
Acq: 18 Oct 2024 12:49

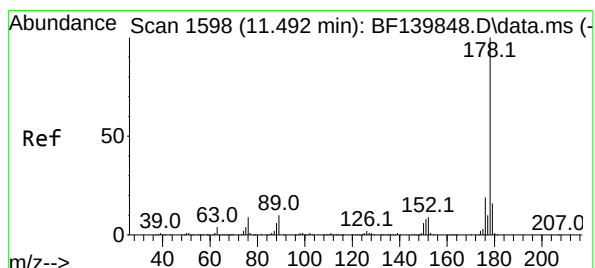
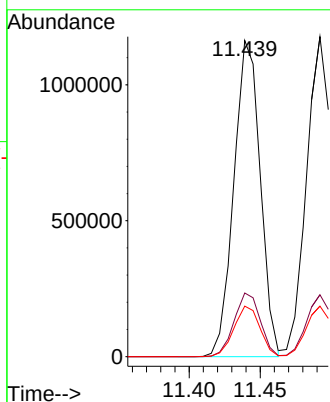
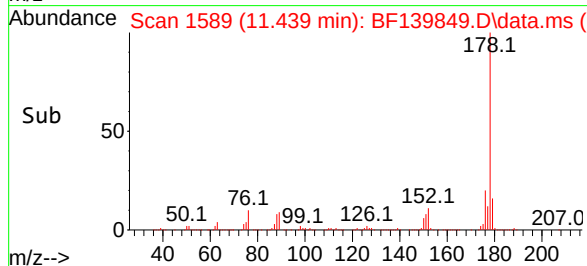
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC050



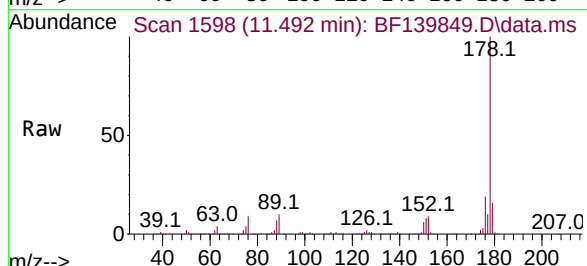
Tgt Ion:178 Resp: 1500010  
Ion Ratio Lower Upper  
178 100  
176 20.1 15.8 23.6  
179 16.0 12.6 18.8

Manual Integrations  
APPROVED

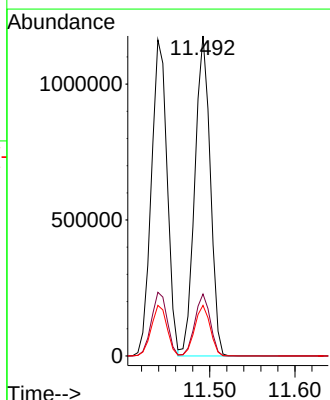
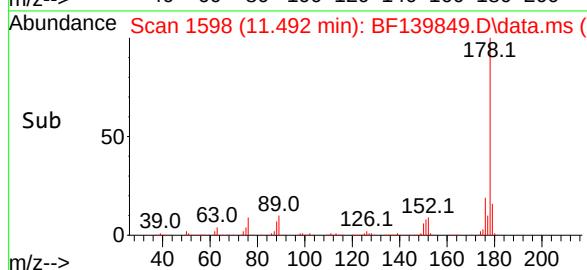
Reviewed By :Yogesh Patel 10/21/2024  
Supervised By :mohammad ahmed 10/21/2024

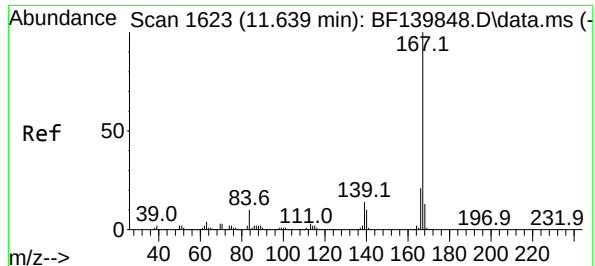


#72  
Anthracene  
Concen: 46.172 ng  
RT: 11.492 min Scan# 1598  
Delta R.T. 0.000 min  
Lab File: BF139849.D  
Acq: 18 Oct 2024 12:49



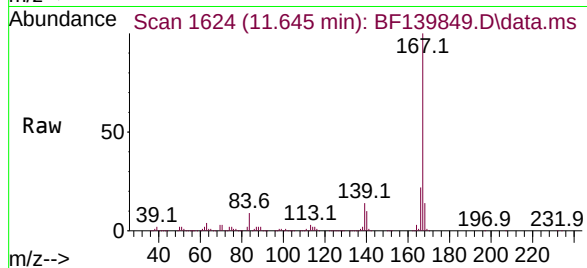
Tgt Ion:178 Resp: 1478655  
Ion Ratio Lower Upper  
178 100  
176 19.3 15.3 22.9  
179 15.8 12.4 18.6





#73  
Carbazole  
Concen: 45.263 ng  
RT: 11.645 min Scan# 1624  
Delta R.T. 0.006 min  
Lab File: BF139849.D  
Acq: 18 Oct 2024 12:49

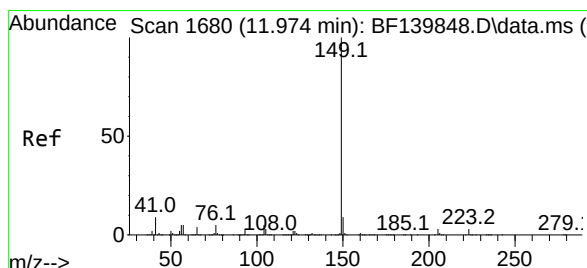
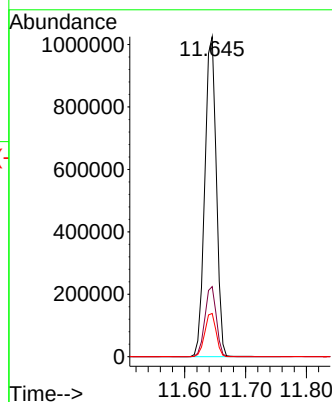
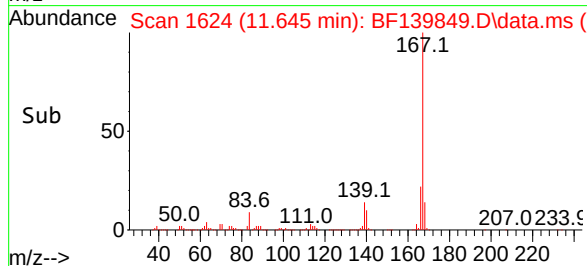
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC050



Tgt Ion:167 Resp: 1348098  
Ion Ratio Lower Upper  
167 100  
166 21.9 17.0 25.6  
139 13.5 10.8 16.2

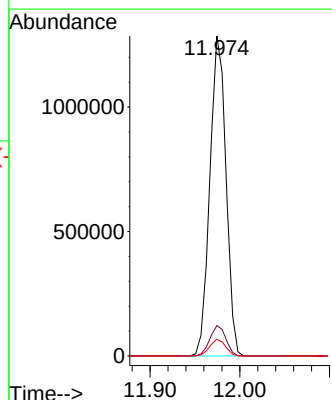
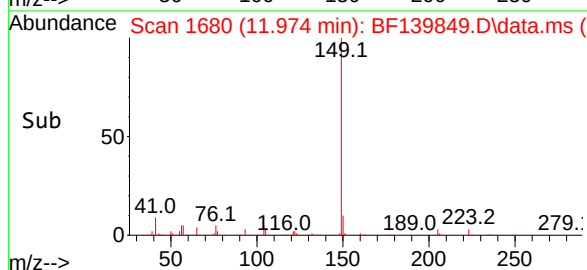
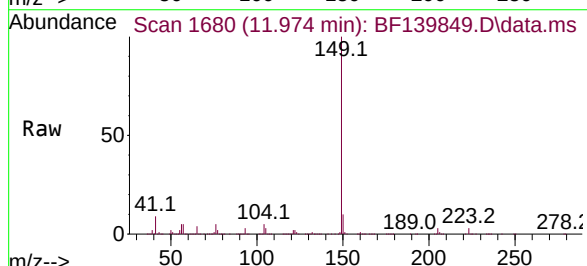
Manual Integrations  
APPROVED

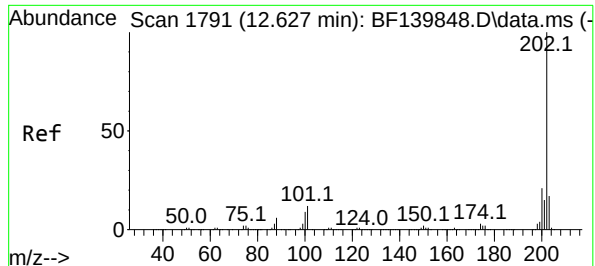
Reviewed By :Yogesh Patel 10/21/2024  
Supervised By :mohammad ahmed 10/21/2024



#74  
Di-n-butylphthalate  
Concen: 46.583 ng  
RT: 11.974 min Scan# 1680  
Delta R.T. 0.000 min  
Lab File: BF139849.D  
Acq: 18 Oct 2024 12:49

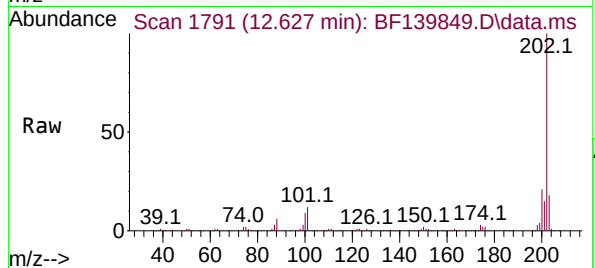
Tgt Ion:149 Resp: 1602928  
Ion Ratio Lower Upper  
149 100  
150 9.5 7.5 11.3  
104 5.2 4.1 6.1





#75  
Fluoranthene  
Concen: 44.089 ng  
RT: 12.627 min Scan# 1791  
Delta R.T. 0.000 min  
Lab File: BF139849.D  
Acq: 18 Oct 2024 12:49

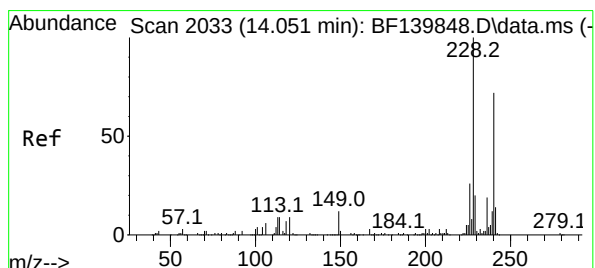
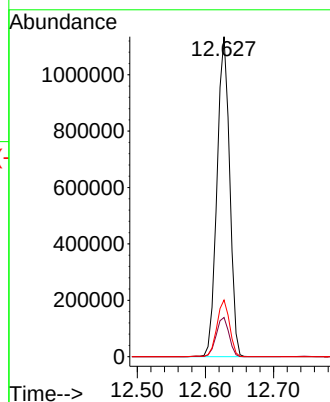
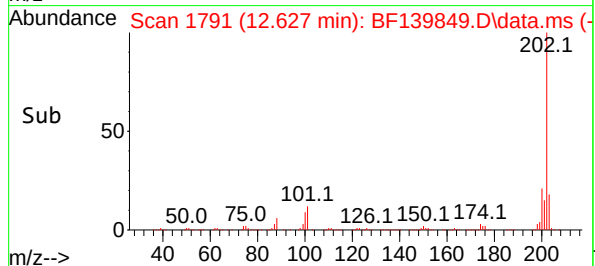
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC050



Tgt Ion:202 Resp: 1462930  
Ion Ratio Lower Upper  
202 100  
101 12.2 0.0 31.9  
203 17.7 0.0 37.5

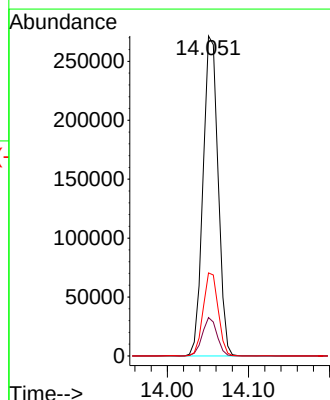
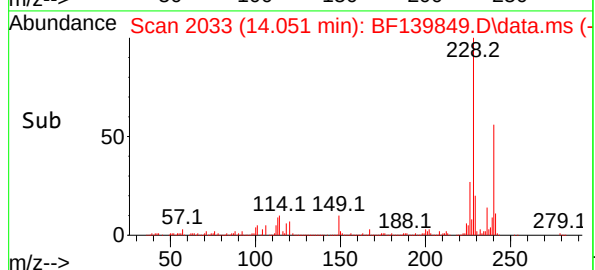
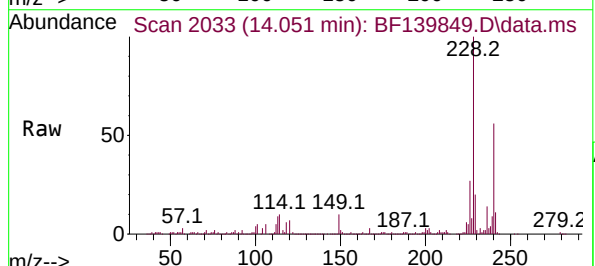
Manual Integrations  
APPROVED

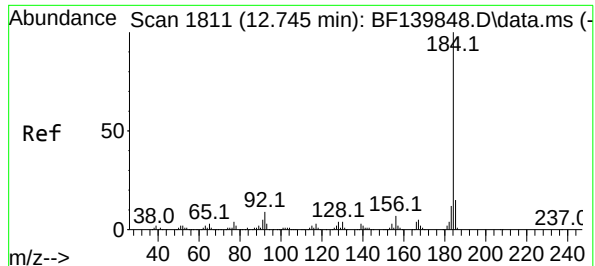
Reviewed By :Yogesh Patel 10/21/2024  
Supervised By :mohammad ahmed 10/21/2024



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.051 min Scan# 2033  
Delta R.T. 0.000 min  
Lab File: BF139849.D  
Acq: 18 Oct 2024 12:49

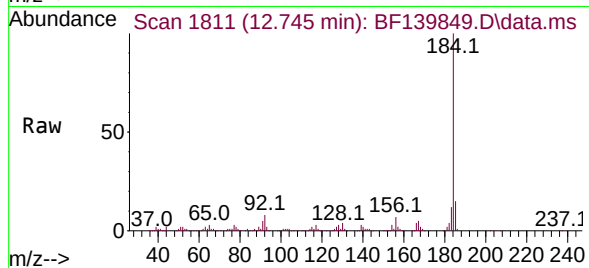
Tgt Ion:240 Resp: 349496  
Ion Ratio Lower Upper  
240 100  
120 12.0 9.4 14.2  
236 26.0 20.9 31.3





#77  
Benzidine  
Concen: 42.388 ng  
RT: 12.745 min Scan# 1811  
Delta R.T. -0.000 min  
Lab File: BF139849.D  
Acq: 18 Oct 2024 12:49

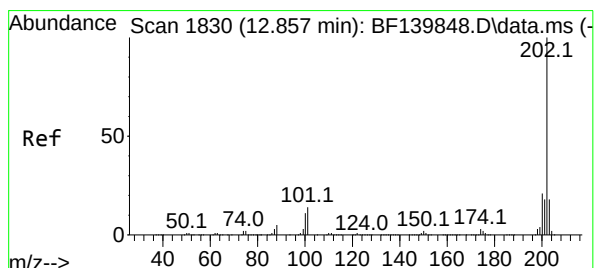
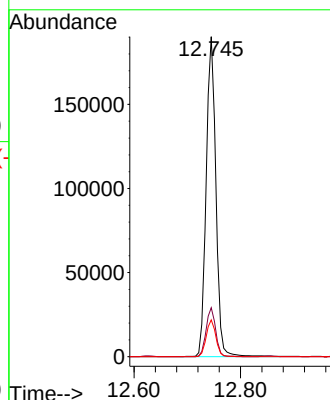
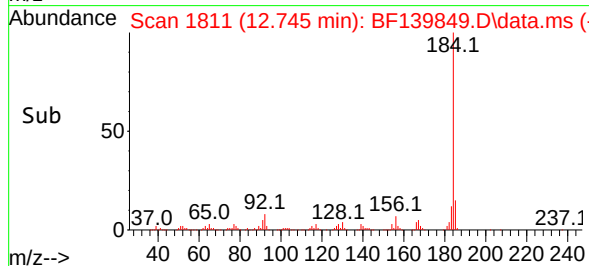
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC050



Tgt Ion:184 Resp: 240940  
Ion Ratio Lower Upper  
184 100  
185 15.3 12.0 18.0  
183 11.5 9.4 14.2

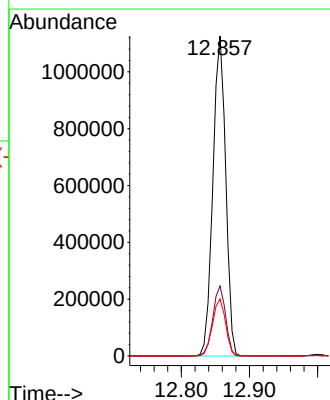
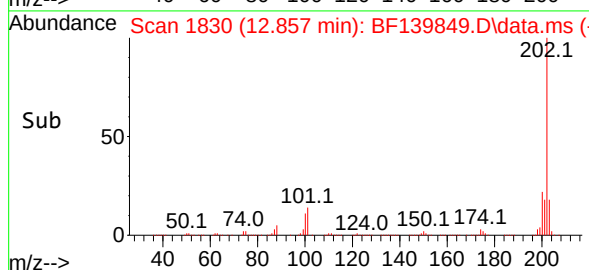
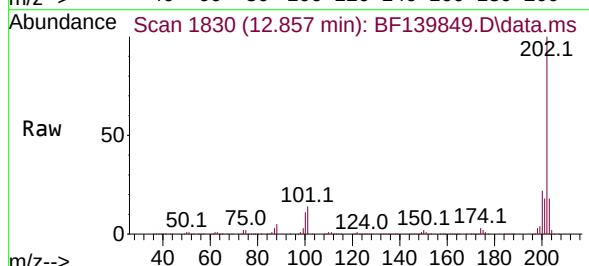
Manual Integrations  
APPROVED

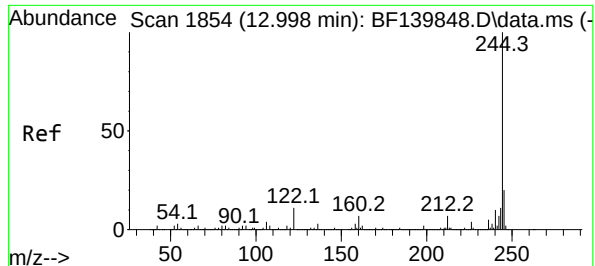
Reviewed By :Yogesh Patel 10/21/2024  
Supervised By :mohammad ahmed 10/21/2024



#78  
Pyrene  
Concen: 48.113 ng  
RT: 12.857 min Scan# 1830  
Delta R.T. 0.000 min  
Lab File: BF139849.D  
Acq: 18 Oct 2024 12:49

Tgt Ion:202 Resp: 1471893  
Ion Ratio Lower Upper  
202 100  
200 21.8 17.2 25.8  
203 17.8 14.2 21.4





#79

Terphenyl-d14

Concen: 93.988 ng

RT: 12.998 min Scan# 1854

Delta R.T. 0.000 min

Lab File: BF139849.D

Acq: 18 Oct 2024 12:49

Instrument :

BNA\_F

ClientSampleId :

SSTDICC050

Tgt Ion:244 Resp: 2015874

Ion Ratio Lower Upper

244 100

212 7.1 5.7 8.5

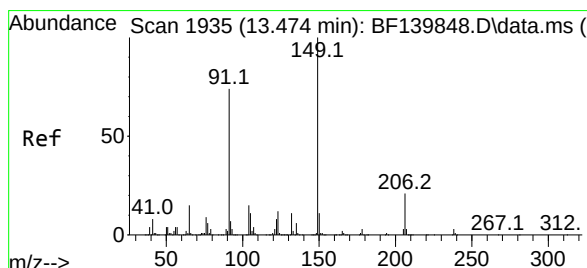
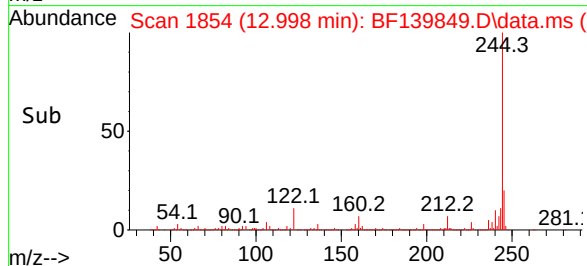
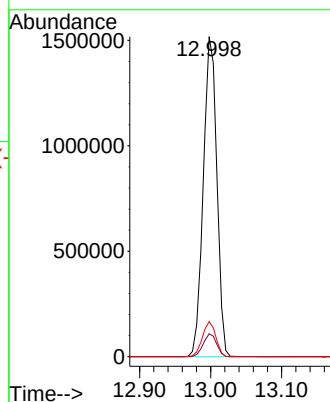
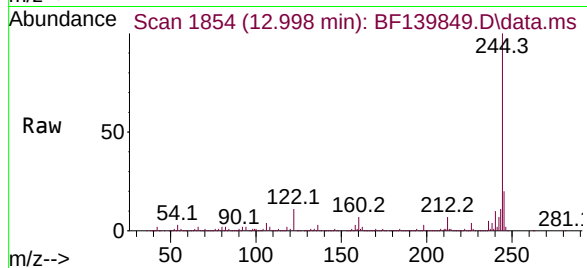
122 11.0 8.6 13.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#80

Butylbenzylphthalate

Concen: 50.944 ng

RT: 13.474 min Scan# 1935

Delta R.T. 0.000 min

Lab File: BF139849.D

Acq: 18 Oct 2024 12:49

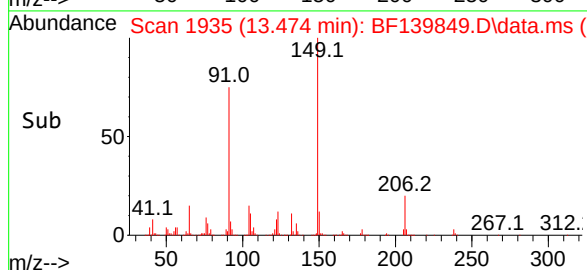
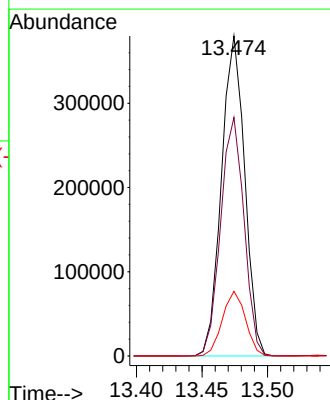
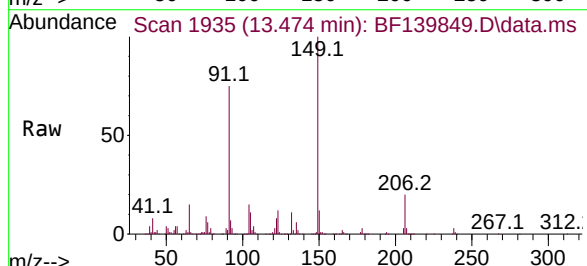
Tgt Ion:149 Resp: 467242

Ion Ratio Lower Upper

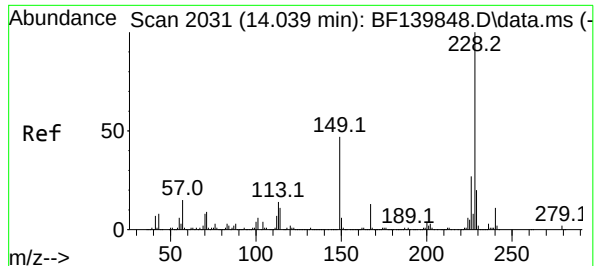
149 100

91 74.5 59.4 89.2

206 20.2 16.4 24.6

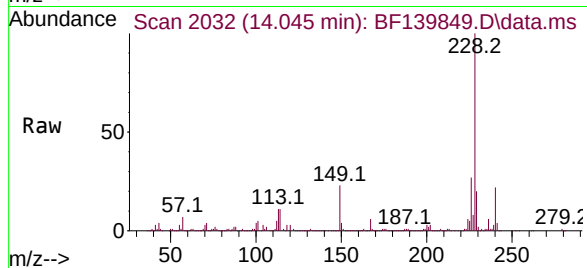






#81  
Benzo(a)anthracene  
Concen: 48.667 ng  
RT: 14.045 min Scan# 2031  
Delta R.T. 0.006 min  
Lab File: BF139849.D  
Acq: 18 Oct 2024 12:49

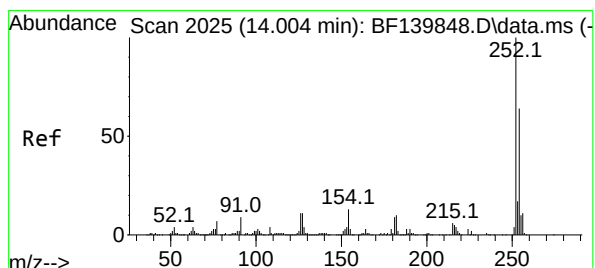
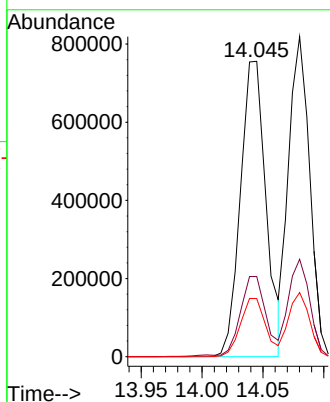
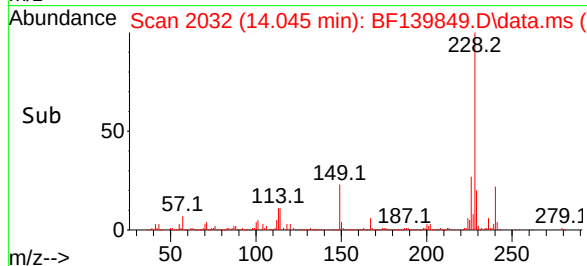
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC050



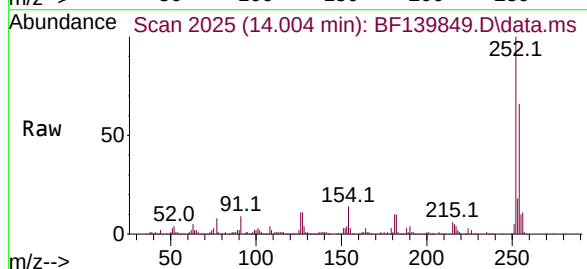
Tgt Ion:228 Resp: 1107239  
Ion Ratio Lower Upper  
228 100  
226 27.1 21.6 32.4  
229 19.7 16.1 24.1

Manual Integrations  
APPROVED

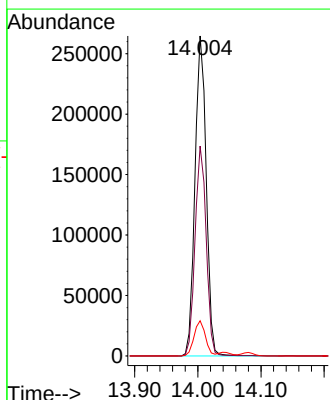
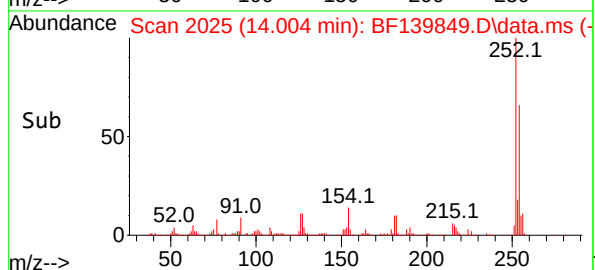
Reviewed By :Yogesh Patel 10/21/2024  
Supervised By :mohammad ahmed 10/21/2024

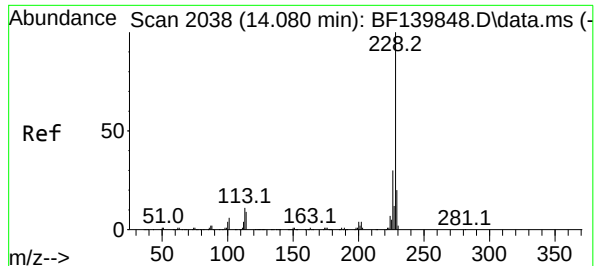


#82  
3,3'-Dichlorobenzidine  
Concen: 49.251 ng  
RT: 14.004 min Scan# 2025  
Delta R.T. 0.000 min  
Lab File: BF139849.D  
Acq: 18 Oct 2024 12:49



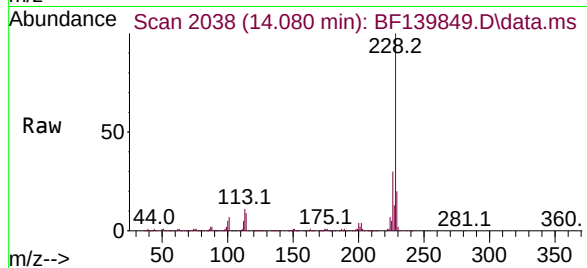
Tgt Ion:252 Resp: 326706  
Ion Ratio Lower Upper  
252 100  
254 65.6 50.8 76.2  
126 11.0 8.9 13.3





#83  
Chrysene  
Concen: 47.484 ng  
RT: 14.080 min Scan# 2038  
Delta R.T. 0.000 min  
Lab File: BF139849.D  
Acq: 18 Oct 2024 12:49

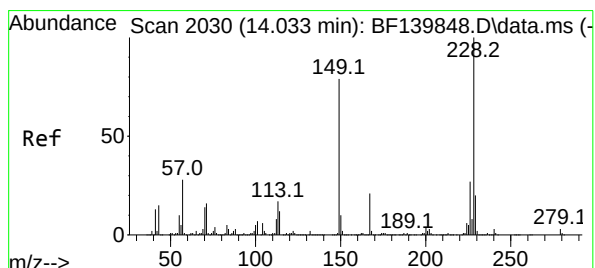
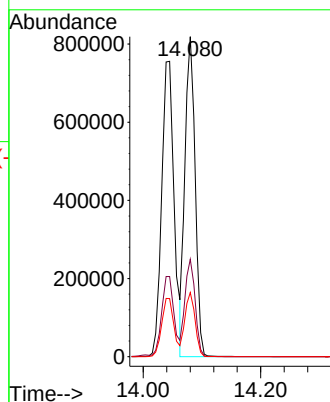
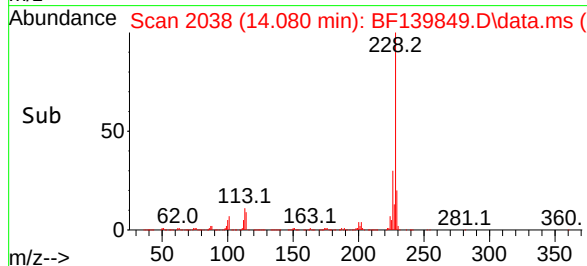
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC050



Tgt Ion:228 Resp: 990517  
Ion Ratio Lower Upper  
228 100  
226 30.5 24.1 36.1  
229 20.1 15.8 23.6

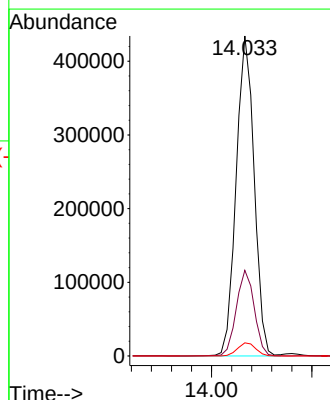
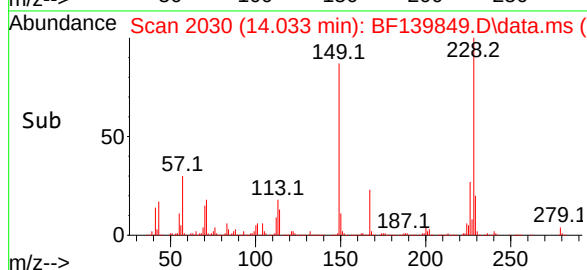
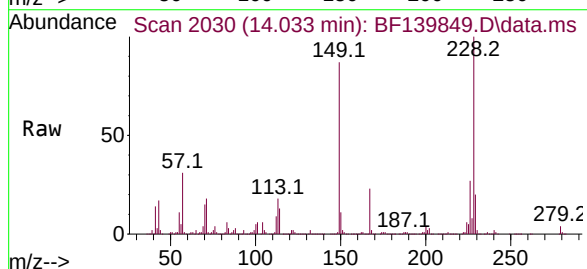
Manual Integrations  
APPROVED

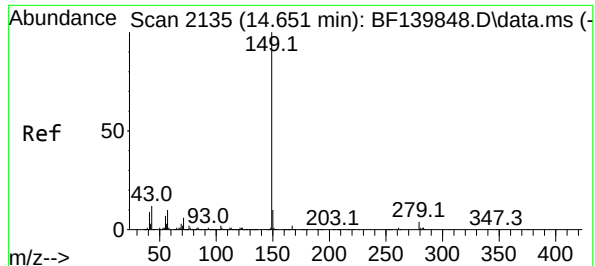
Reviewed By :Yogesh Patel 10/21/2024  
Supervised By :mohammad ahmed 10/21/2024



#84  
Bis(2-ethylhexyl)phthalate  
Concen: 52.655 ng  
RT: 14.033 min Scan# 2030  
Delta R.T. 0.000 min  
Lab File: BF139849.D  
Acq: 18 Oct 2024 12:49

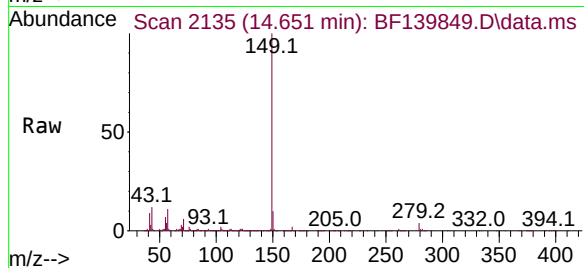
Tgt Ion:149 Resp: 541828  
Ion Ratio Lower Upper  
149 100  
167 26.7 21.4 32.0  
279 4.1 3.0 4.4





#85  
Di-n-octyl phthalate  
Concen: 55.195 ng  
RT: 14.651 min Scan# 2135  
Delta R.T. -0.000 min  
Lab File: BF139849.D  
Acq: 18 Oct 2024 12:49

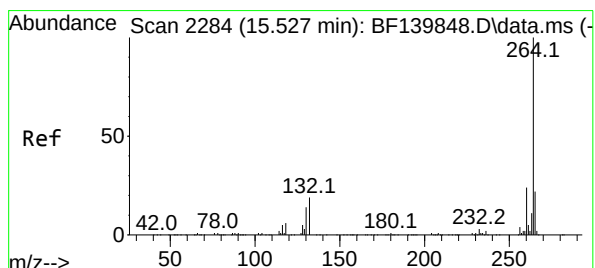
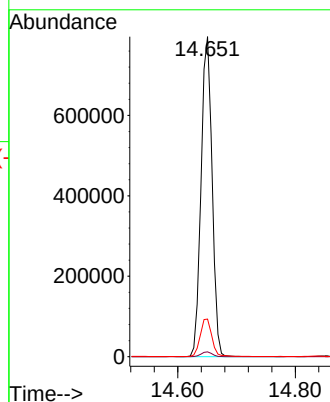
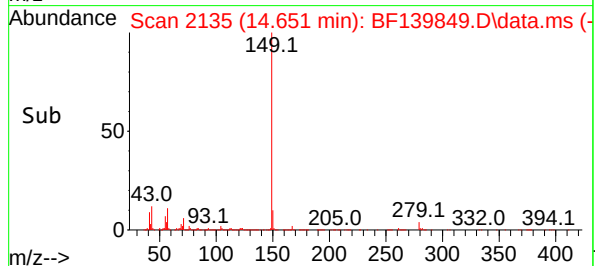
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC050



Tgt Ion:149 Resp: 1033054  
Ion Ratio Lower Upper  
149 100  
167 1.5 1.2 1.8  
43 12.4 9.8 14.6

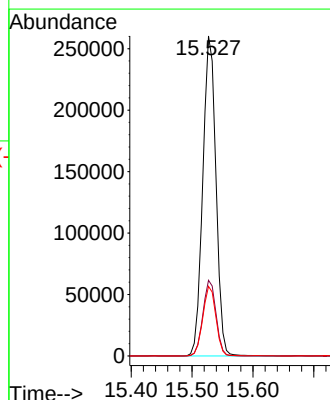
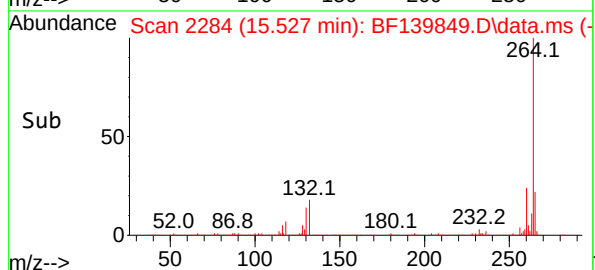
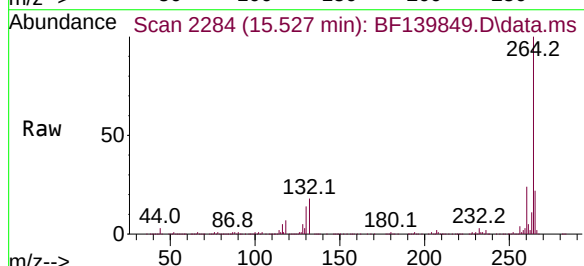
Manual Integrations  
APPROVED

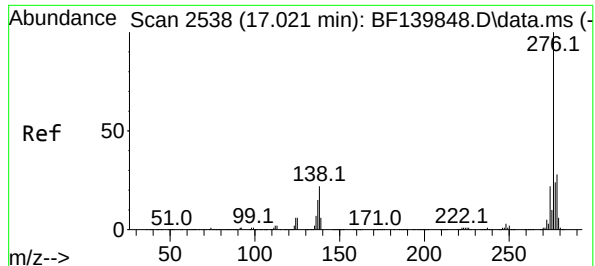
Reviewed By :Yogesh Patel 10/21/2024  
Supervised By :mohammad ahmed 10/21/2024



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.527 min Scan# 2284  
Delta R.T. 0.000 min  
Lab File: BF139849.D  
Acq: 18 Oct 2024 12:49

Tgt Ion:264 Resp: 390757  
Ion Ratio Lower Upper  
264 100  
260 23.7 19.4 29.2  
265 21.7 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 50.463 ng

RT: 17.027 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF139849.D

Acq: 18 Oct 2024 12:49

Instrument :

BNA\_F

ClientSampleId :

SSTDICC050

Tgt Ion:276 Resp: 126855

Ion Ratio Lower Upper

276 100

138 25.2 20.4 30.6

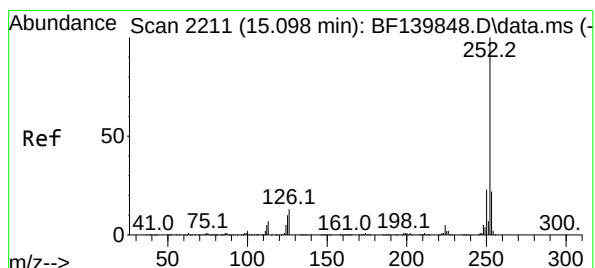
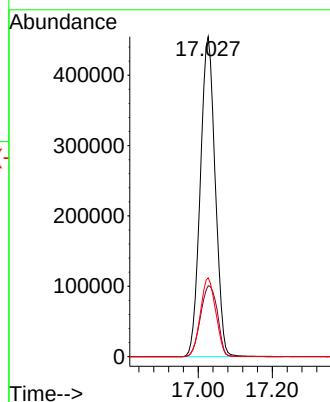
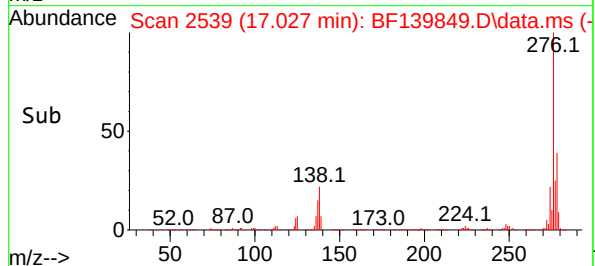
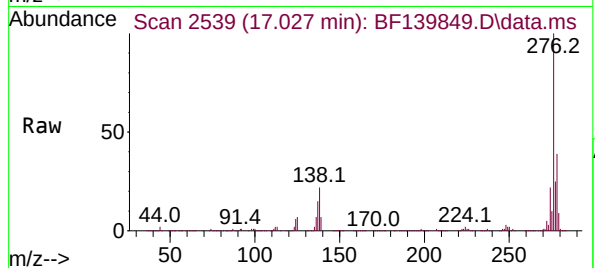
277 25.4 20.2 30.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#88

Benzo(b)fluoranthene

Concen: 45.369 ng

RT: 15.098 min Scan# 2211

Delta R.T. 0.000 min

Lab File: BF139849.D

Acq: 18 Oct 2024 12:49

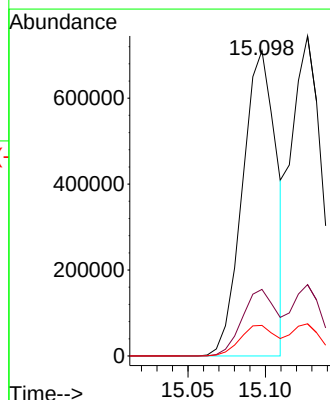
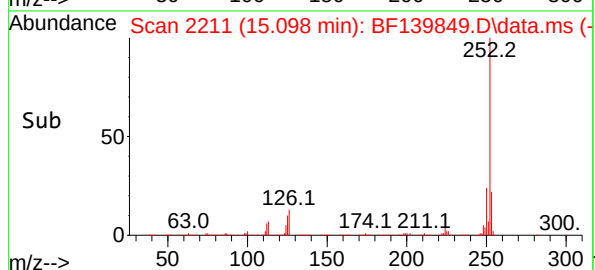
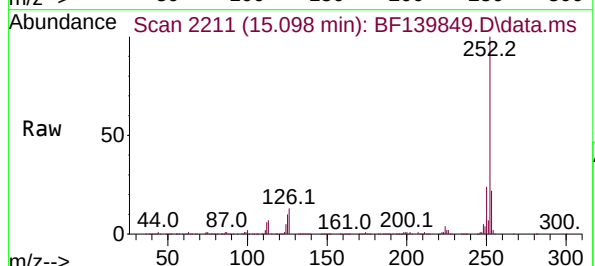
Tgt Ion:252 Resp: 1079928

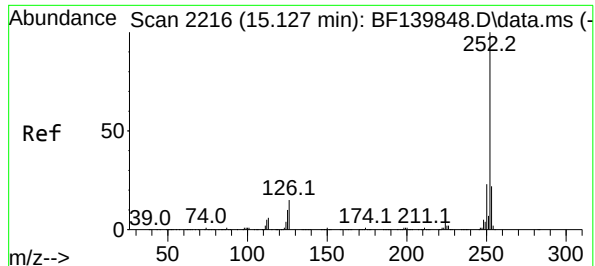
Ion Ratio Lower Upper

252 100

253 21.8 17.6 26.4

125 10.0 7.9 11.9





#89

Benzo(k)fluoranthene

Concen: 49.026 ng

RT: 15.127 min Scan# 2216

Delta R.T. 0.000 min

Lab File: BF139849.D

Acq: 18 Oct 2024 12:49

Instrument :

BNA\_F

ClientSampleId :

SSTDICC050

Tgt Ion:252 Resp: 100642

Ion Ratio Lower Upper

252 100

253 22.3 17.6 26.4

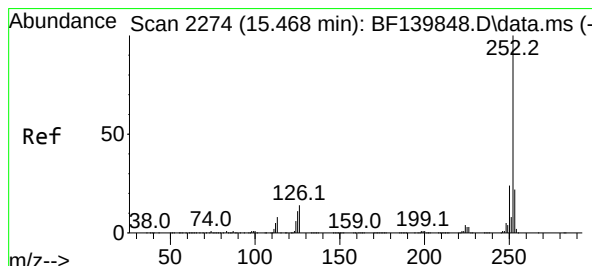
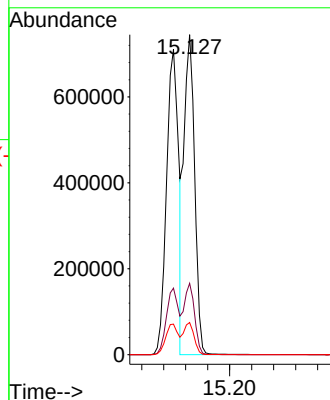
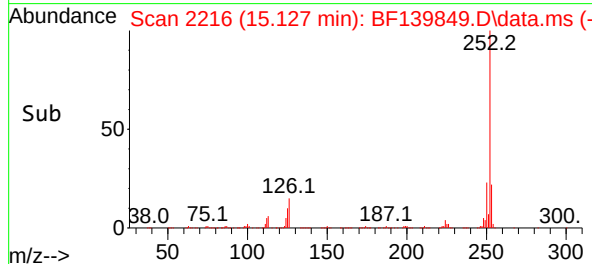
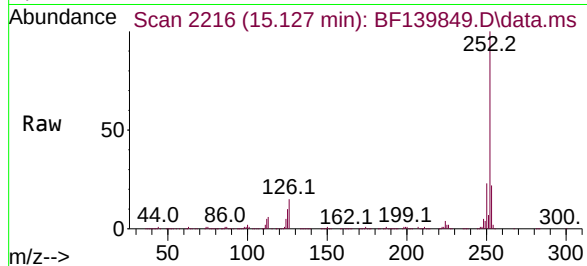
125 10.0 7.9 11.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#90

Benzo(a)pyrene

Concen: 48.573 ng

RT: 15.468 min Scan# 2274

Delta R.T. 0.000 min

Lab File: BF139849.D

Acq: 18 Oct 2024 12:49

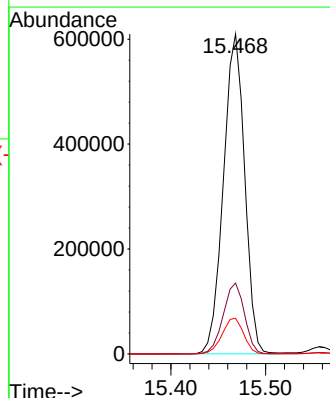
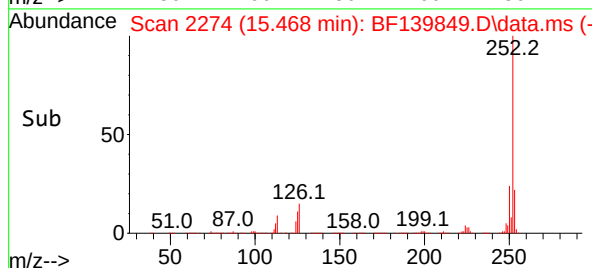
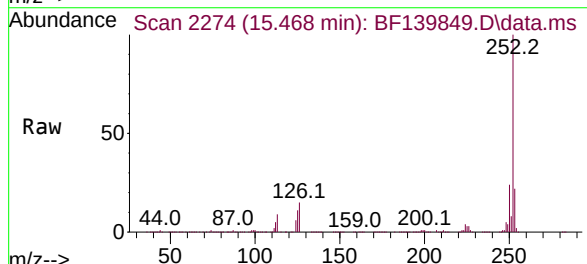
Tgt Ion:252 Resp: 951346

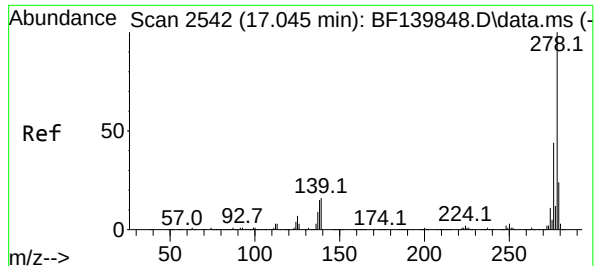
Ion Ratio Lower Upper

252 100

253 22.2 17.3 25.9

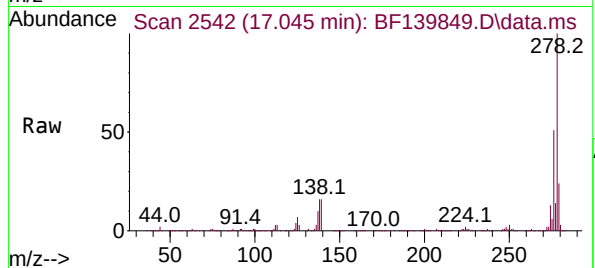
125 11.1 8.7 13.1





#91  
Dibenzo(a,h)anthracene  
Concen: 50.456 ng  
RT: 17.045 min Scan# 2542  
Delta R.T. 0.000 min  
Lab File: BF139849.D  
Acq: 18 Oct 2024 12:49

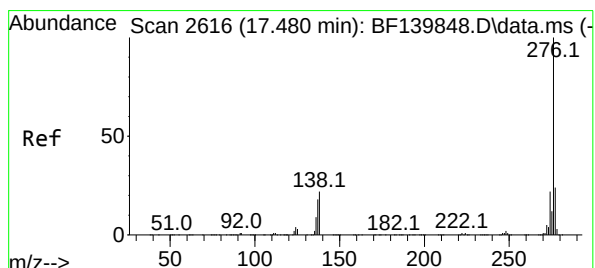
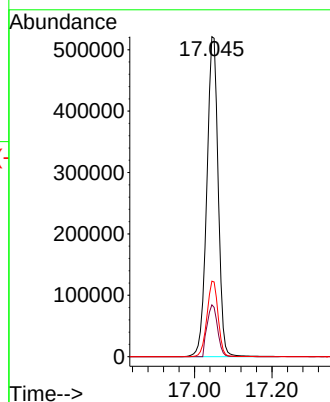
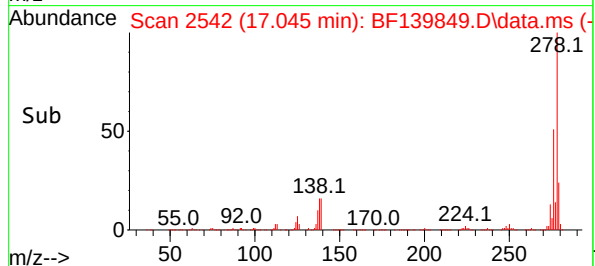
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC050



Tgt Ion:278 Resp: 1058119  
Ion Ratio Lower Upper  
278 100  
139 16.2 13.1 19.7  
279 23.6 19.0 28.4

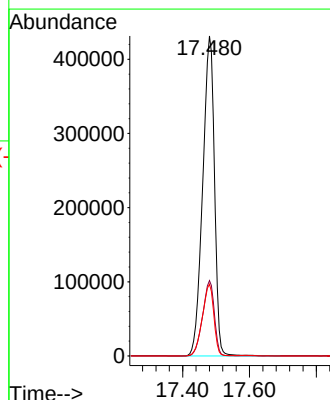
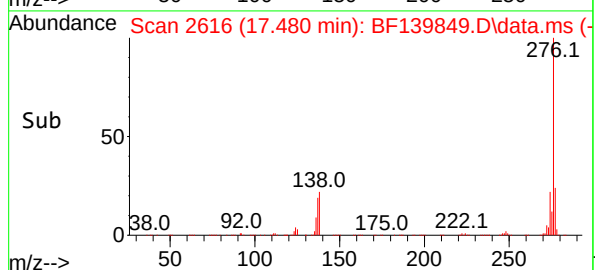
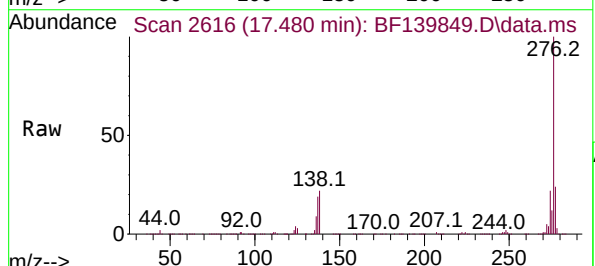
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 10/21/2024  
Supervised By :mohammad ahmed 10/21/2024



#92  
Benzo(g,h,i)perylene  
Concen: 50.394 ng  
RT: 17.480 min Scan# 2616  
Delta R.T. 0.000 min  
Lab File: BF139849.D  
Acq: 18 Oct 2024 12:49

Tgt Ion:276 Resp: 1055618  
Ion Ratio Lower Upper  
276 100  
277 23.5 19.0 28.6  
138 22.4 17.4 26.0



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF101824\  
 Data File : BF139850.D  
 Acq On : 18 Oct 2024 13:17  
 Operator : RC/JU  
 Sample : SSTDICC060  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDICC060

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 10/21/2024  
 Supervised By :mohammad ahmed 10/21/2024

Quant Time: Oct 18 14:20:24 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101824.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Oct 18 14:11:20 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.893  | 152  | 189346   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.175  | 136  | 712033   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.928  | 164  | 389299   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.416 | 188  | 667372   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.057 | 240  | 337032   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.527 | 264  | 377203   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.499  | 112  | 1347774  | 111.432 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.516  | 99   | 1748088  | 111.592 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.457  | 82   | 1523975  | 118.624 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.722 | 330  | 420891   | 115.586 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.251  | 172  | 2475821  | 105.106 | ng    | 0.00     |
| 79) Terphenyl-d14             | 13.004 | 244  | 2266127  | 109.563 | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.687  | 88   | 330127   | 58.541  | ng    | 98       |
| 3) Pyridine                   | 3.446  | 79   | 798529   | 57.127  | ng    | 99       |
| 4) n-Nitrosodimethylamine     | 3.410  | 42   | 451209   | 60.081  | ng    | 98       |
| 6) Aniline                    | 6.551  | 93   | 840113   | 57.544  | ng    | 100      |
| 8) 2-Chlorophenol             | 6.675  | 128  | 693549   | 56.091  | ng    | 96       |
| 9) Benzaldehyde               | 6.440  | 77   | 484510   | 54.980  | ng    | 99       |
| 10) Phenol                    | 6.528  | 94   | 909456m  | 55.317  | ng    |          |
| 11) bis(2-Chloroethyl)ether   | 6.628  | 93   | 709494   | 56.838  | ng    | 99       |
| 12) 1,3-Dichlorobenzene       | 6.834  | 146  | 790296   | 55.679  | ng    | 98       |
| 13) 1,4-Dichlorobenzene       | 6.910  | 146  | 790397   | 55.738  | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 7.063  | 146  | 719470   | 54.363  | ng    | 99       |
| 15) Benzyl Alcohol            | 7.028  | 79   | 650971   | 56.651  | ng    | 98       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.169  | 45   | 1201584  | 56.453  | ng    | 99       |
| 17) 2-Methylphenol            | 7.134  | 107  | 603882   | 57.276  | ng    | 99       |
| 18) Hexachloroethane          | 7.404  | 117  | 290250   | 57.398  | ng    | 100      |
| 19) n-Nitroso-di-n-propyla... | 7.310  | 70   | 526516   | 55.418  | ng    | 99       |
| 20) 3+4-Methylphenols         | 7.293  | 107  | 738542   | 54.764  | ng    | 93       |
| 22) Acetophenone              | 7.304  | 105  | 969975   | 55.618  | ng    | 99       |
| 24) Nitrobenzene              | 7.475  | 77   | 828015   | 58.785  | ng    | 98       |
| 25) Isophorone                | 7.716  | 82   | 1409786  | 57.816  | ng    | 100      |
| 26) 2-Nitrophenol             | 7.787  | 139  | 344300   | 64.793  | ng    | 100      |
| 27) 2,4-Dimethylphenol        | 7.822  | 122  | 500332   | 56.468  | ng    | 99       |
| 28) bis(2-Chloroethoxy)met... | 7.922  | 93   | 832755   | 56.369  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 8.028  | 162  | 584871   | 57.952  | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 8.116  | 180  | 635946   | 56.947  | ng    | 99       |
| 31) Naphthalene               | 8.198  | 128  | 2016330  | 54.907  | ng    | 99       |
| 32) Benzoic acid              | 7.945  | 122  | 502169   | 64.980  | ng    | 98       |
| 33) 4-Chloroaniline           | 8.245  | 127  | 695566   | 55.548  | ng    | 99       |
| 34) Hexachlorobutadiene       | 8.316  | 225  | 399483   | 56.934  | ng    | 99       |
| 35) Caprolactam               | 8.622  | 113  | 188948   | 58.880  | ng    | 97       |
| 36) 4-Chloro-3-methylphenol   | 8.716  | 107  | 646732   | 57.872  | ng    | 100      |
| 37) 2-Methylnaphthalene       | 8.887  | 142  | 1245977  | 55.401  | ng    | 99       |
| 38) 1-Methylnaphthalene       | 8.987  | 142  | 1211981  | 54.926  | ng    | 100      |
| 40) 1,2,4,5-Tetrachloroben... | 9.051  | 216  | 591461   | 56.315  | ng    | 100      |
| 41) Hexachlorocyclopentadiene | 9.039  | 237  | 216567   | 59.262  | ng    | 100      |
| 43) 2,4,6-Trichlorophenol     | 9.157  | 196  | 447702   | 60.209  | ng    | 99       |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF101824\  
 Data File : BF139850.D  
 Acq On : 18 Oct 2024 13:17  
 Operator : RC/JU  
 Sample : SSTDICC060  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDICC060

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 10/21/2024  
 Supervised By :mohammad ahmed 10/21/2024

Quant Time: Oct 18 14:20:24 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101824.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Oct 18 14:11:20 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.198  | 196  | 431080   | 56.191 | ng    | 99       |
| 46) 1,1'-Biphenyl             | 9.351  | 154  | 1474193  | 54.396 | ng    | 99       |
| 47) 2-Chloronaphthalene       | 9.375  | 162  | 1214856  | 55.657 | ng    | 98       |
| 48) 2-Nitroaniline            | 9.469  | 65   | 423080   | 63.375 | ng    | 97       |
| 49) Acenaphthylene            | 9.792  | 152  | 1758248  | 55.718 | ng    | 99       |
| 50) Dimethylphthalate         | 9.657  | 163  | 1358812  | 56.037 | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 9.710  | 165  | 320076   | 60.963 | ng    | 97       |
| 52) Acenaphthene              | 9.969  | 154  | 1148095  | 56.242 | ng    | 98       |
| 53) 3-Nitroaniline            | 9.881  | 138  | 328790   | 60.726 | ng    | 98       |
| 54) 2,4-Dinitrophenol         | 9.981  | 184  | 131611   | 61.938 | ng #  | 29       |
| 55) Dibenzofuran              | 10.139 | 168  | 1605572  | 54.819 | ng    | 100      |
| 56) 4-Nitrophenol             | 10.028 | 139  | 256728   | 61.631 | ng    | 100      |
| 57) 2,4-Dinitrotoluene        | 10.116 | 165  | 410361   | 63.558 | ng    | 99       |
| 58) Fluorene                  | 10.481 | 166  | 1192018  | 53.435 | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol | 10.251 | 232  | 342475   | 56.946 | ng    | 99       |
| 60) Diethylphthalate          | 10.351 | 149  | 1355992  | 56.954 | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 10.469 | 204  | 606730   | 53.858 | ng    | 98       |
| 62) 4-Nitroaniline            | 10.498 | 138  | 314525   | 61.507 | ng    | 98       |
| 63) Azobenzene                | 10.633 | 77   | 1415762  | 56.090 | ng    | 99       |
| 65) 4,6-Dinitro-2-methylph... | 10.522 | 198  | 184974   | 67.951 | ng    | 99       |
| 66) n-Nitrosodiphenylamine    | 10.592 | 169  | 1122831  | 56.214 | ng    | 100      |
| 67) 4-Bromophenyl-phenylether | 10.963 | 248  | 392570   | 57.100 | ng    | 98       |
| 68) Hexachlorobenzene         | 11.028 | 284  | 442187   | 57.187 | ng    | 98       |
| 69) Atrazine                  | 11.116 | 200  | 307149   | 56.767 | ng    | 99       |
| 70) Pentachlorophenol         | 11.216 | 266  | 289014   | 61.587 | ng    | 99       |
| 71) Phenanthrene              | 11.439 | 178  | 1721763  | 54.618 | ng    | 99       |
| 72) Anthracene                | 11.492 | 178  | 1667221  | 54.206 | ng    | 99       |
| 73) Carbazole                 | 11.645 | 167  | 1545085  | 54.015 | ng    | 99       |
| 74) Di-n-butylphthalate       | 11.975 | 149  | 1819929  | 55.069 | ng    | 100      |
| 75) Fluoranthene              | 12.627 | 202  | 1671405  | 52.448 | ng    | 99       |
| 77) Benzidine                 | 12.745 | 184  | 205548   | 37.499 | ng    | 99       |
| 78) Pyrene                    | 12.857 | 202  | 1667489  | 56.522 | ng    | 99       |
| 80) Butylbenzylphthalate      | 13.474 | 149  | 537039   | 60.719 | ng    | 98       |
| 81) Benzo(a)anthracene        | 14.045 | 228  | 1250382  | 56.992 | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine    | 14.004 | 252  | 386072   | 60.353 | ng    | 99       |
| 83) Chrysene                  | 14.080 | 228  | 1163808  | 57.855 | ng    | 100      |
| 84) Bis(2-ethylhexyl)phtha... | 14.033 | 149  | 632594   | 63.749 | ng    | 100      |
| 85) Di-n-octyl phthalate      | 14.651 | 149  | 1220737  | 67.634 | ng    | 100      |
| 87) Indeno(1,2,3-cd)pyrene    | 17.027 | 276  | 1500084  | 61.817 | ng    | 99       |
| 88) Benzo(b)fluoranthene      | 15.098 | 252  | 1402395  | 61.033 | ng    | 100      |
| 89) Benzo(k)fluoranthene      | 15.127 | 252  | 1051303  | 53.053 | ng    | 100      |
| 90) Benzo(a)pyrene            | 15.468 | 252  | 1129942  | 59.764 | ng    | 100      |
| 91) Dibenzo(a,h)anthracene    | 17.051 | 278  | 1228124  | 60.667 | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 17.486 | 276  | 1238955  | 61.272 | ng    | 100      |

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



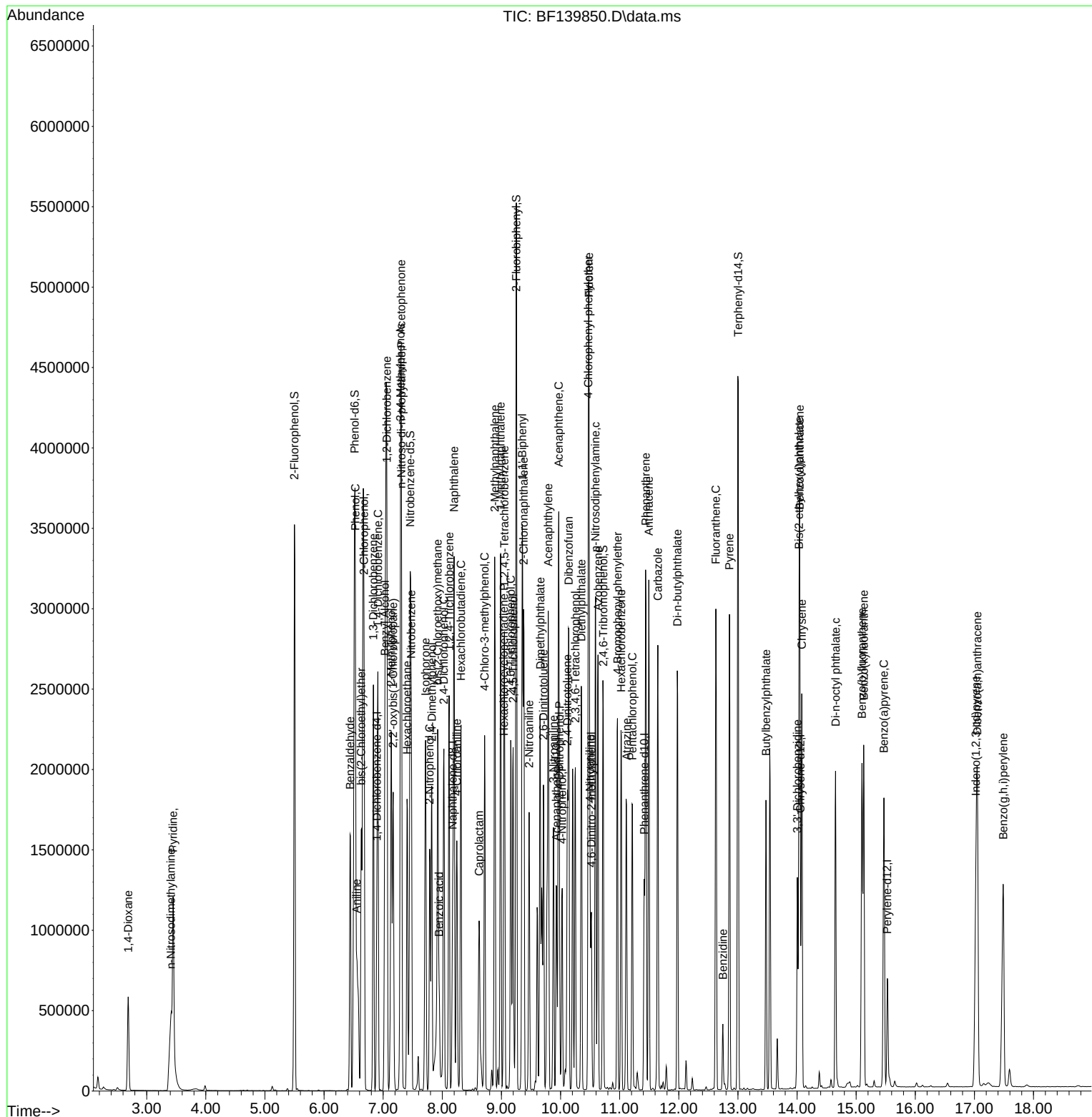
Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF101824\  
Data File : BF139850.D  
Acq On : 18 Oct 2024 13:17  
Operator : RC/JU  
Sample : SSTDICC060  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

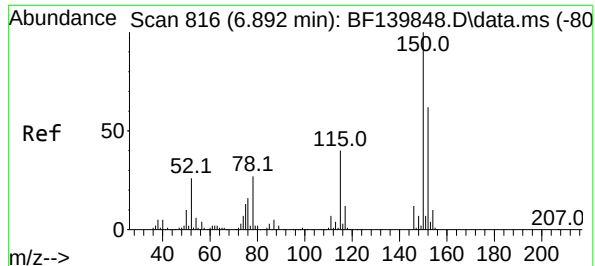
**Instrument :**  
BNA\_F  
**ClientSampleId :**  
SSTDICC060

## Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/21/2024  
Supervised By :mohammad ahmed 10/21/2024

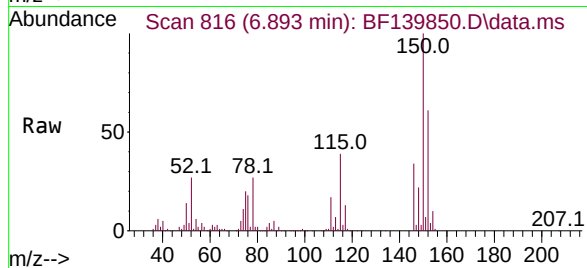
Quant Time: Oct 18 14:20:24 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101824.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Oct 18 14:11:20 2024  
Response via : Initial Calibration





#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.893 min Scan# 816  
Delta R.T. 0.001 min  
Lab File: BF139850.D  
Acq: 18 Oct 2024 13:17

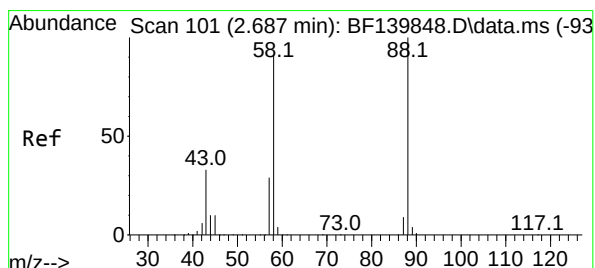
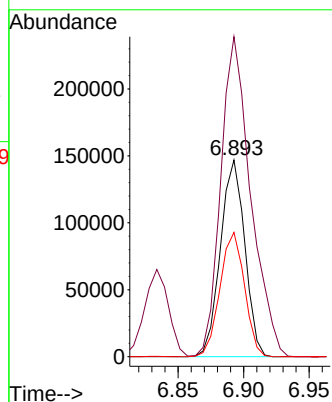
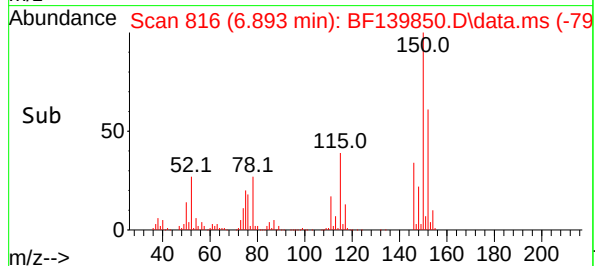
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC060



Tgt Ion:152 Resp: 189340  
Ion Ratio Lower Upper  
152 100  
150 162.7 130.2 195.2  
115 63.2 51.4 77.2

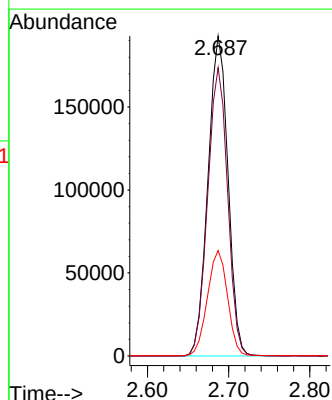
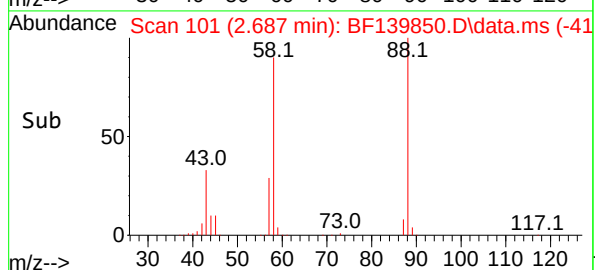
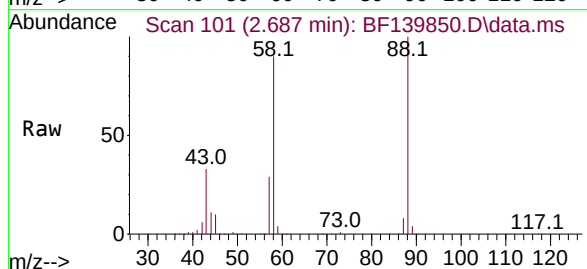
Manual Integrations  
APPROVED

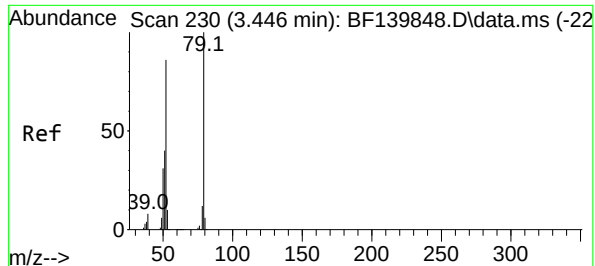
Reviewed By :Yogesh Patel 10/21/2024  
Supervised By :mohammad ahmed 10/21/2024



#2  
1,4-Dioxane  
Concen: 58.541 ng  
RT: 2.687 min Scan# 101  
Delta R.T. 0.000 min  
Lab File: BF139850.D  
Acq: 18 Oct 2024 13:17

Tgt Ion: 88 Resp: 330127  
Ion Ratio Lower Upper  
88 100  
58 89.7 73.3 109.9  
43 33.0 27.1 40.7





#3

Pyridine

Concen: 57.127 ng

RT: 3.446 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF139850.D

Acq: 18 Oct 2024 13:17

Instrument :

BNA\_F

ClientSampleId :

SSTDICC060

Tgt Ion: 79 Resp: 798529

Ion Ratio Lower Upper

79 100

52 86.8 68.5 102.7

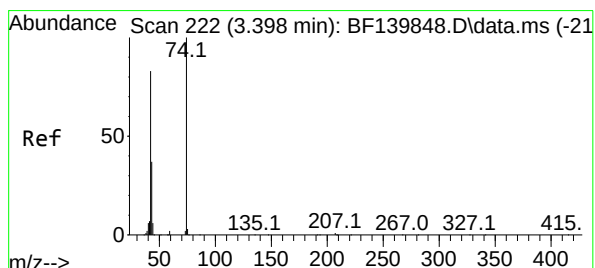
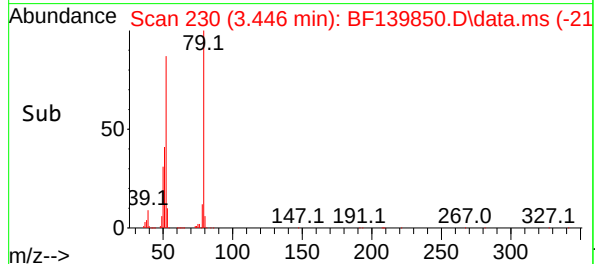
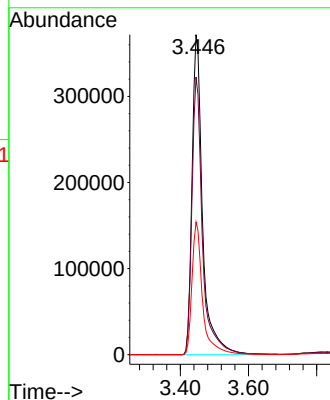
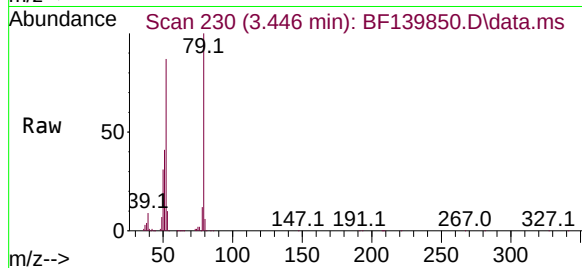
51 41.4 32.3 48.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#4

n-Nitrosodimethylamine

Concen: 60.081 ng

RT: 3.410 min Scan# 224

Delta R.T. 0.012 min

Lab File: BF139850.D

Acq: 18 Oct 2024 13:17

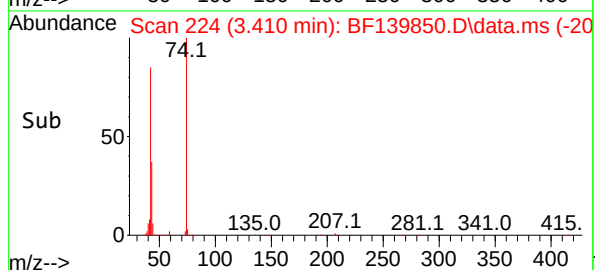
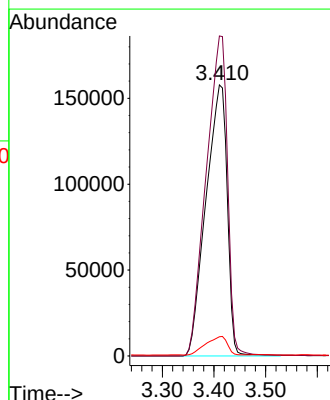
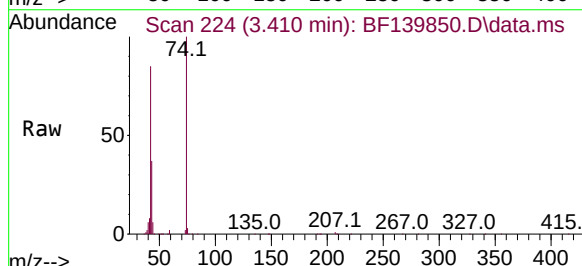
Tgt Ion: 42 Resp: 451209

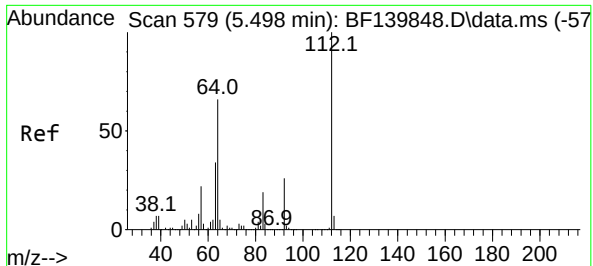
Ion Ratio Lower Upper

42 100

74 118.0 96.2 144.4

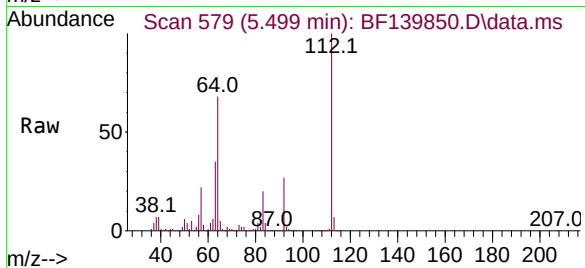
44 7.1 6.2 9.2





#5  
2-Fluorophenol  
Concen: 111.432 ng  
RT: 5.499 min Scan# 51  
Delta R.T. 0.000 min  
Lab File: BF139850.D  
Acq: 18 Oct 2024 13:17

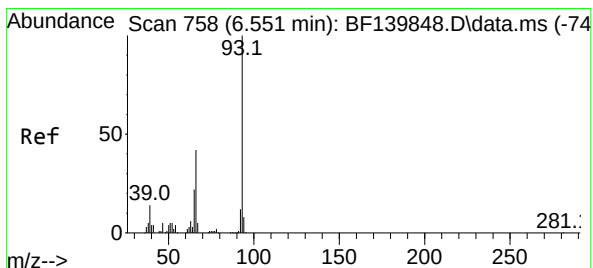
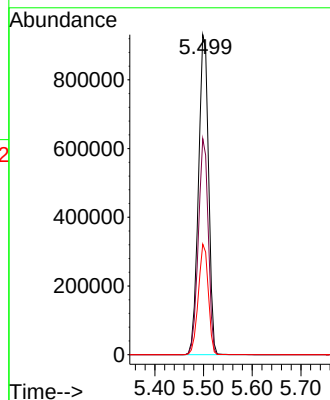
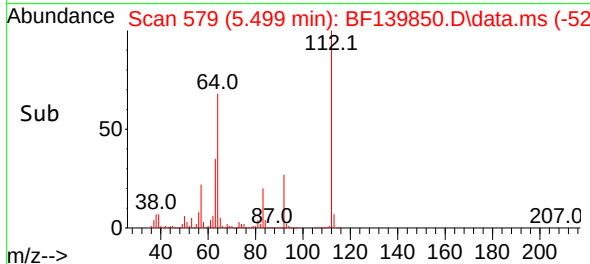
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC060



Tgt Ion: 112 Resp: 1347774  
Ion Ratio Lower Upper  
112 100  
64 67.5 53.0 79.6  
63 34.5 27.0 40.4

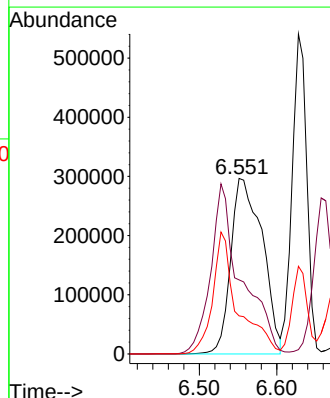
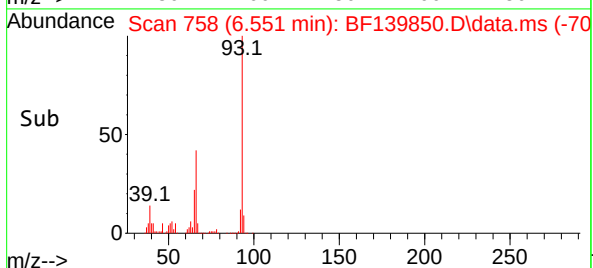
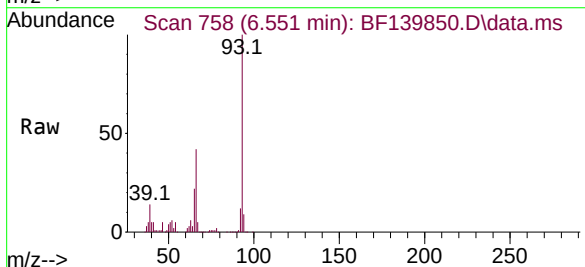
Manual Integrations  
APPROVED

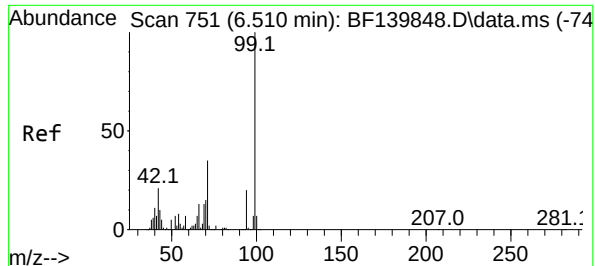
Reviewed By :Yogesh Patel 10/21/2024  
Supervised By :mohammad ahmed 10/21/2024



#6  
Aniline  
Concen: 57.544 ng  
RT: 6.551 min Scan# 758  
Delta R.T. 0.000 min  
Lab File: BF139850.D  
Acq: 18 Oct 2024 13:17

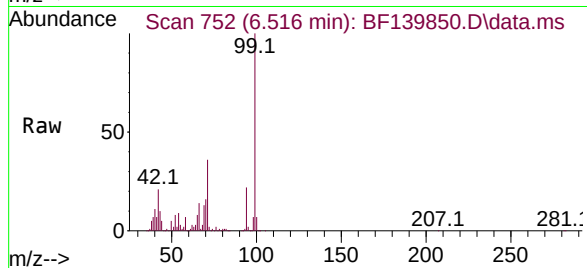
Tgt Ion: 93 Resp: 840113  
Ion Ratio Lower Upper  
93 100  
66 42.2 34.0 51.0  
65 21.7 17.4 26.0





#7  
Phenol-d6  
Concen: 111.592 ng  
RT: 6.516 min Scan# 751  
Delta R.T. 0.006 min  
Lab File: BF139850.D  
Acq: 18 Oct 2024 13:17

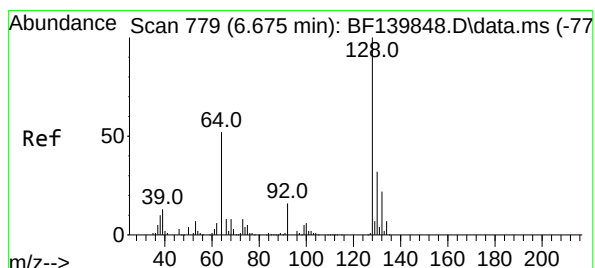
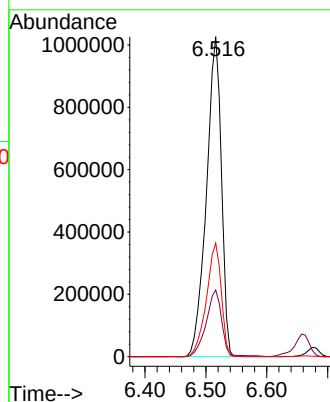
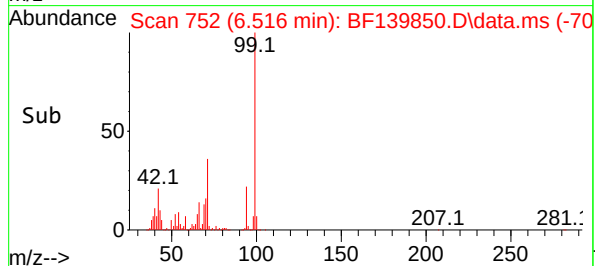
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC060



Tgt Ion: 99 Resp: 174808  
Ion Ratio Lower Upper  
99 100  
42 20.9 16.7 25.1  
71 35.5 27.7 41.5

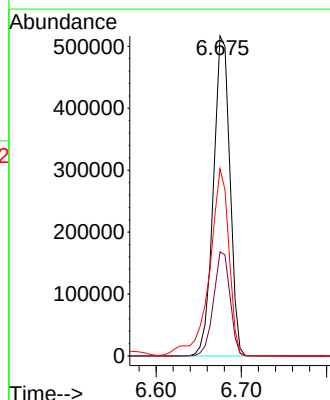
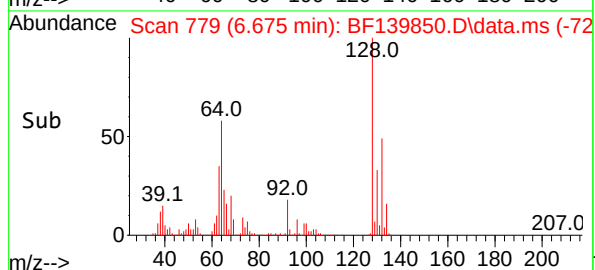
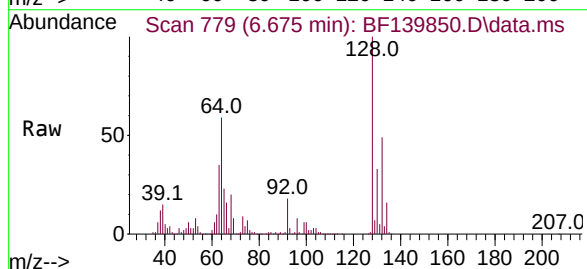
Manual Integrations  
APPROVED

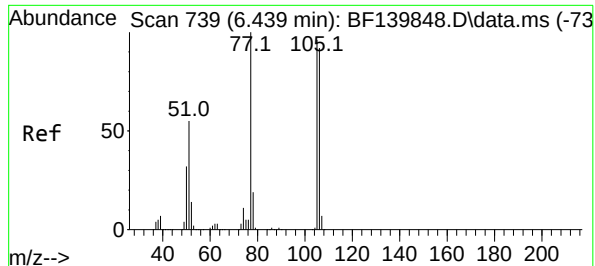
Reviewed By :Yogesh Patel 10/21/2024  
Supervised By :mohammad ahmed 10/21/2024



#8  
2-Chlorophenol  
Concen: 56.091 ng  
RT: 6.675 min Scan# 779  
Delta R.T. 0.000 min  
Lab File: BF139850.D  
Acq: 18 Oct 2024 13:17

Tgt Ion:128 Resp: 693549  
Ion Ratio Lower Upper  
128 100  
130 32.5 12.3 52.3  
64 58.5 34.6 74.6





#9

Benzaldehyde

Concen: 54.980 ng

RT: 6.440 min Scan# 739

Delta R.T. 0.001 min

Lab File: BF139850.D

Acq: 18 Oct 2024 13:17

Instrument :

BNA\_F

ClientSampleId :

SSTDICC060

Tgt Ion: 77 Resp: 484510

Ion Ratio Lower Upper

77 100

105 95.6 75.5 115.5

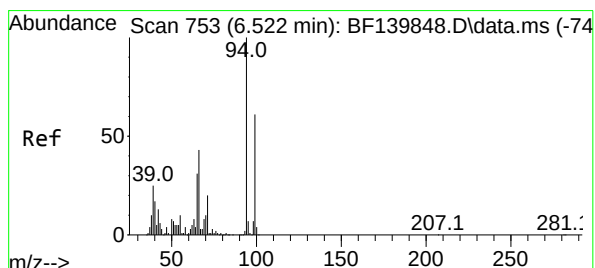
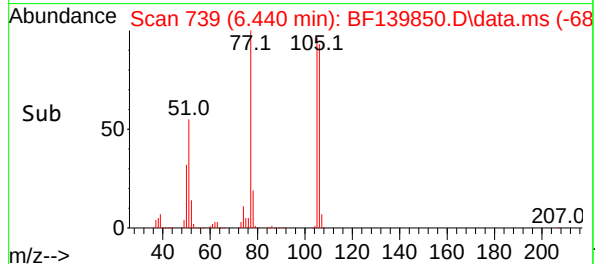
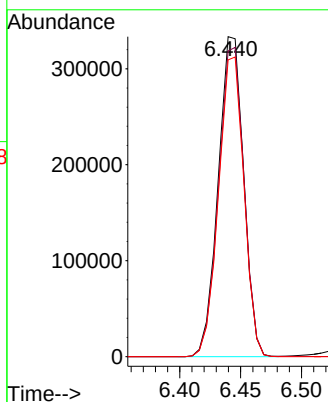
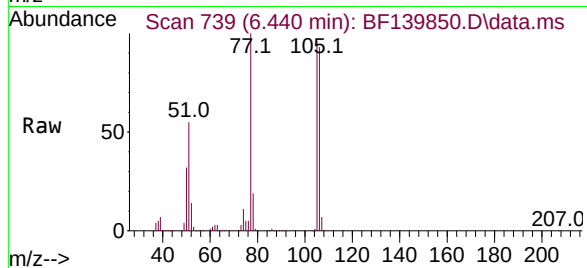
106 92.7 71.7 111.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#10

Phenol

Concen: 55.317 ng m

RT: 6.528 min Scan# 754

Delta R.T. 0.006 min

Lab File: BF139850.D

Acq: 18 Oct 2024 13:17

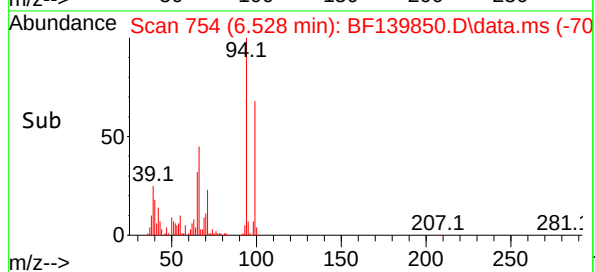
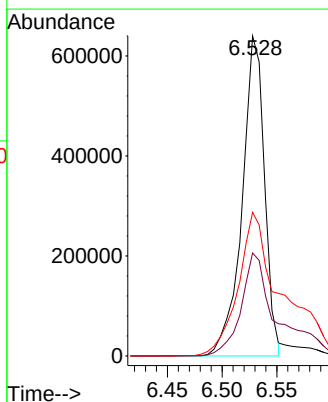
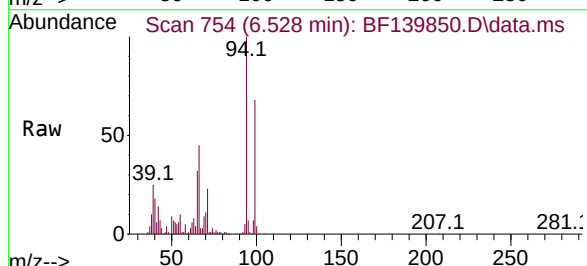
Tgt Ion: 94 Resp: 909456

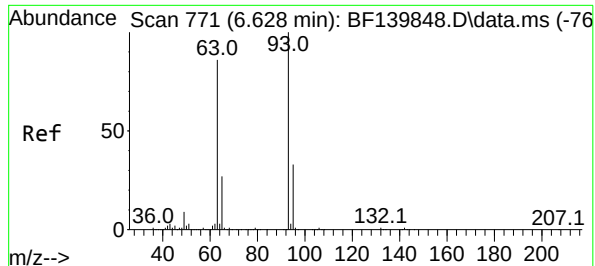
Ion Ratio Lower Upper

94 100

65 32.2 11.1 51.1

66 44.9 22.7 62.7





#11

bis(2-Chloroethyl)ether

Concen: 56.838 ng

RT: 6.628 min Scan# 771

Delta R.T. 0.000 min

Lab File: BF139850.D

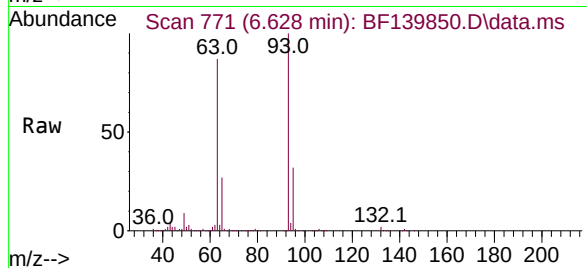
Acq: 18 Oct 2024 13:17

Instrument :

BNA\_F

ClientSampleId :

SSTDICC060



Tgt Ion: 93 Resp: 709494

Ion Ratio Lower Upper

93 100

63 86.7 65.0 105.0

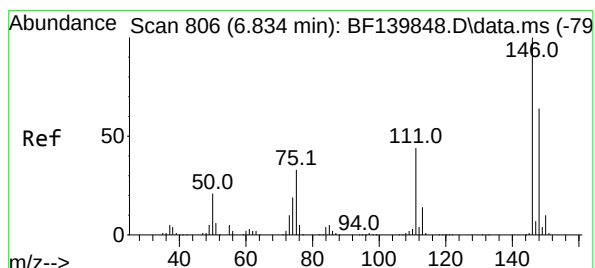
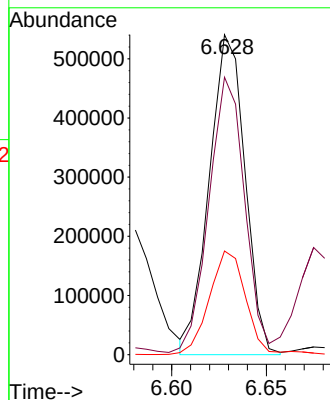
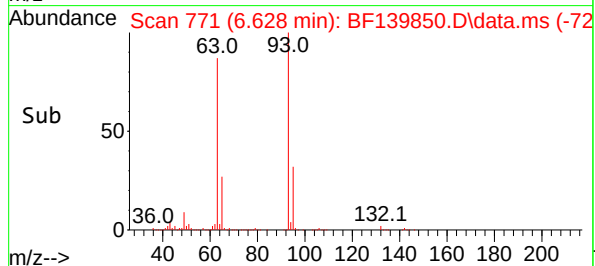
95 32.4 12.4 52.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#12

1,3-Dichlorobenzene

Concen: 55.679 ng

RT: 6.834 min Scan# 806

Delta R.T. 0.000 min

Lab File: BF139850.D

Acq: 18 Oct 2024 13:17

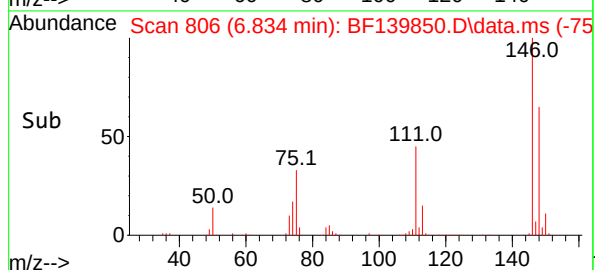
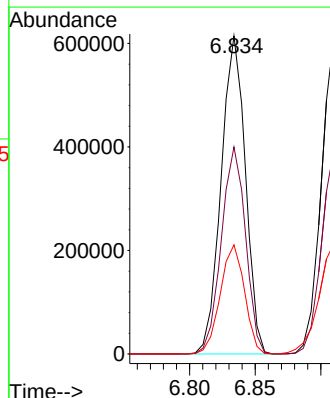
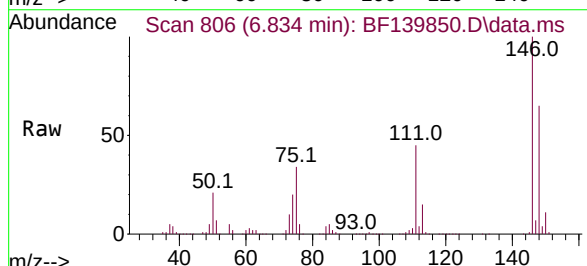
Tgt Ion:146 Resp: 790296

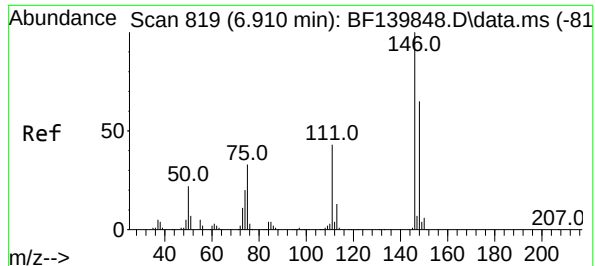
Ion Ratio Lower Upper

146 100

148 65.1 51.0 76.4

75 34.3 26.4 39.6





#13

1,4-Dichlorobenzene

Concen: 55.738 ng

RT: 6.910 min Scan# 819

Delta R.T. 0.000 min

Lab File: BF139850.D

Acq: 18 Oct 2024 13:17

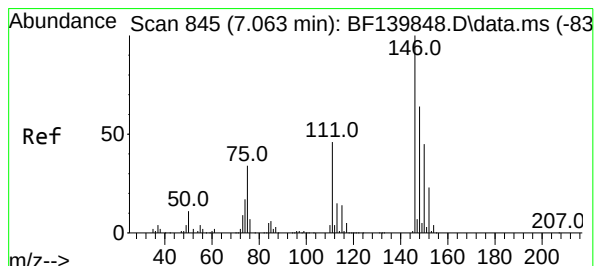
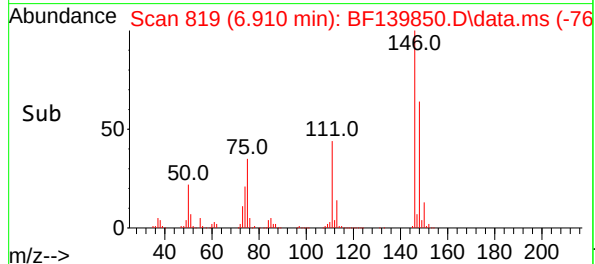
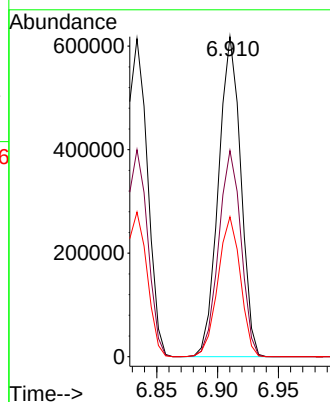
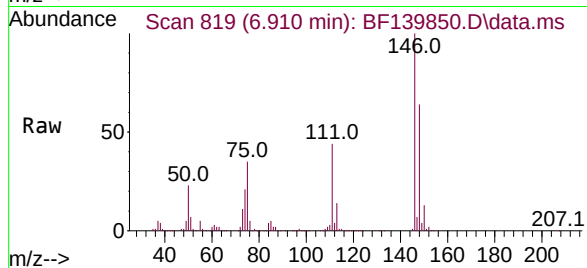
Instrument :

BNA\_F

ClientSampleId :

SSTDICC060

| Tgt Ion:  | 146   | Resp: | 79039 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 146       | 100   |       |       |
| 148       | 64.4  | 51.8  | 77.8  |
| 111       | 43.7  | 34.6  | 51.8  |

Manual Integrations  
APPROVEDReviewed By :Yogesh Patel 10/21/2024  
Supervised By :mohammad ahmed 10/21/2024

#14

1,2-Dichlorobenzene

Concen: 54.363 ng

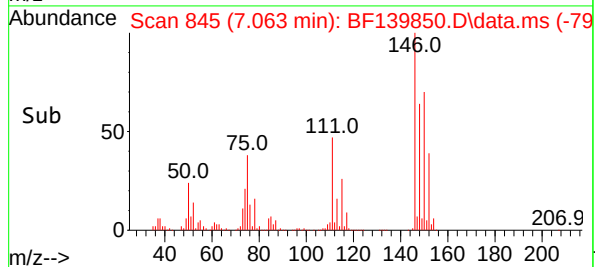
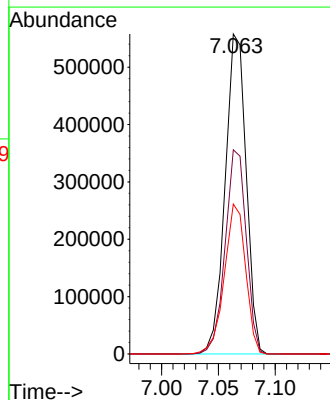
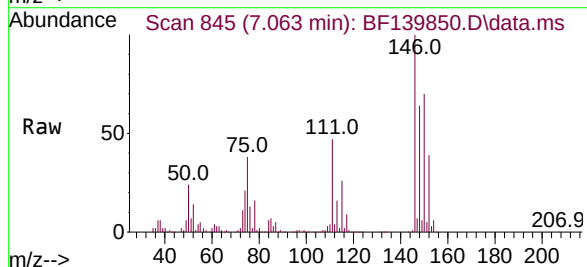
RT: 7.063 min Scan# 845

Delta R.T. 0.000 min

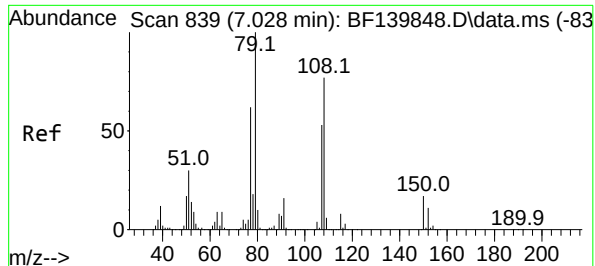
Lab File: BF139850.D

Acq: 18 Oct 2024 13:17

| Tgt Ion:  | 146   | Resp: | 719470 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 148       | 63.8  | 51.4  | 77.2   |
| 111       | 46.8  | 36.7  | 55.1   |







#15

Benzyl Alcohol

Concen: 56.651 ng

RT: 7.028 min Scan# 81

Delta R.T. 0.000 min

Lab File: BF139850.D

Acq: 18 Oct 2024 13:17

Instrument :

BNA\_F

ClientSampleId :

SSTDICC060

Tgt Ion: 79 Resp: 65097

Ion Ratio Lower Upper

79 100

108 74.3 61.4 92.0

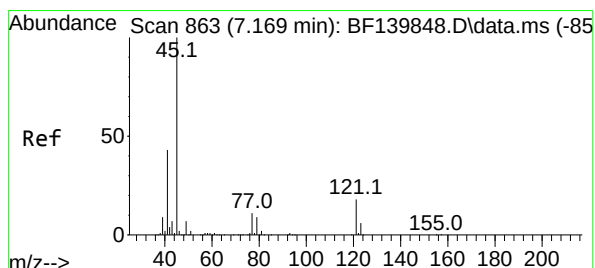
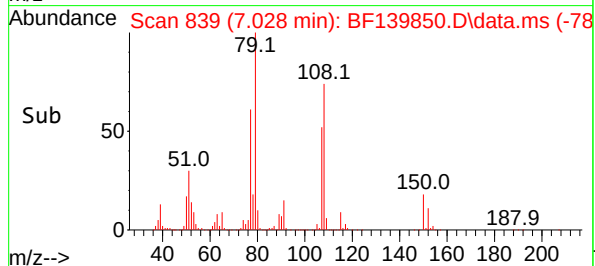
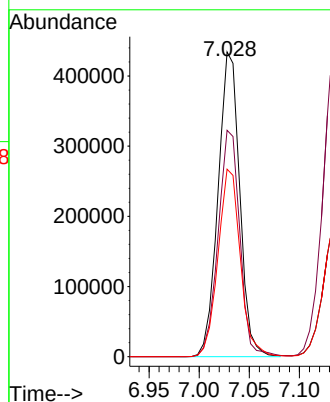
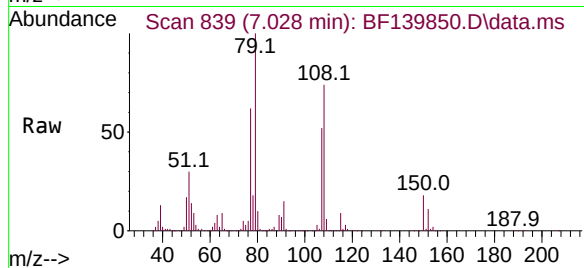
77 61.5 49.9 74.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#16

2,2'-oxybis(1-Chloropropane)

Concen: 56.453 ng

RT: 7.169 min Scan# 863

Delta R.T. 0.000 min

Lab File: BF139850.D

Acq: 18 Oct 2024 13:17

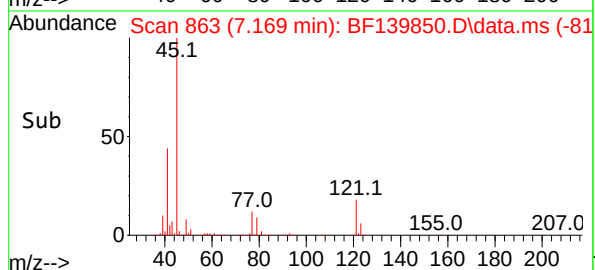
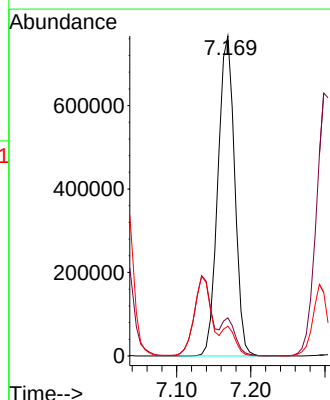
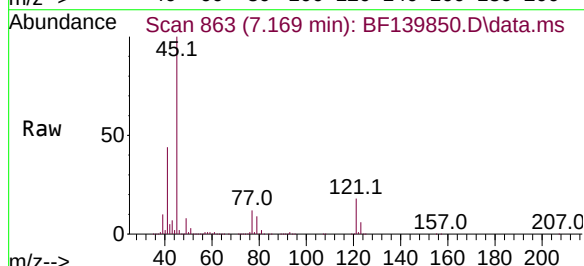
Tgt Ion: 45 Resp: 1201584

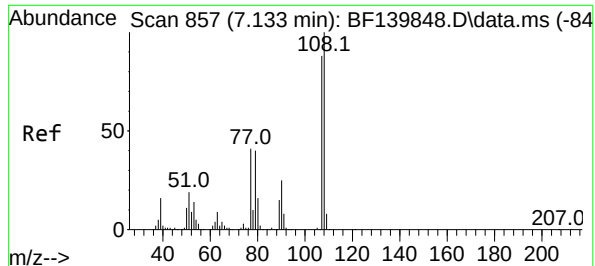
Ion Ratio Lower Upper

45 100

77 11.9 0.0 31.5

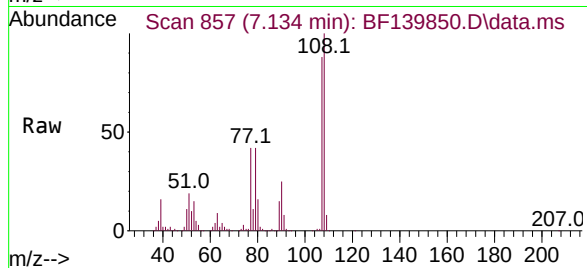
79 9.3 0.0 29.1





#17  
2-Methylphenol  
Concen: 57.276 ng  
RT: 7.134 min Scan# 857  
Delta R.T. 0.000 min  
Lab File: BF139850.D  
Acq: 18 Oct 2024 13:17

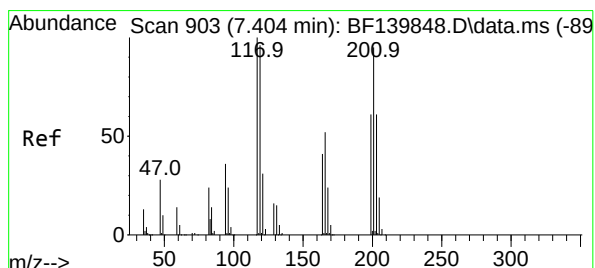
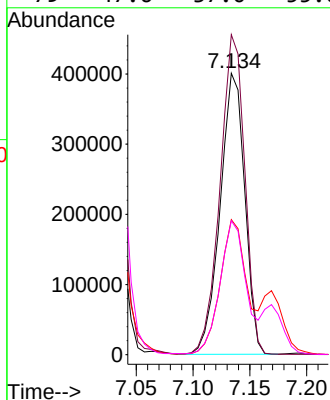
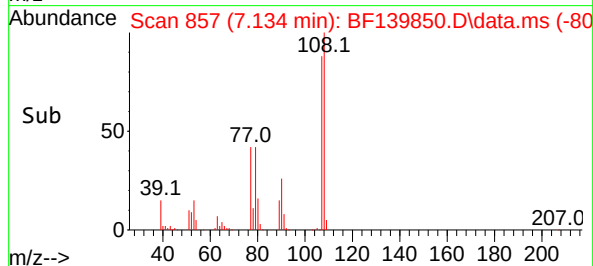
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC060



Tgt Ion:107 Resp: 60388  
Ion Ratio Lower Upper  
107 100  
108 113.7 91.3 136.9  
77 48.0 37.1 55.7  
79 47.6 37.0 55.6

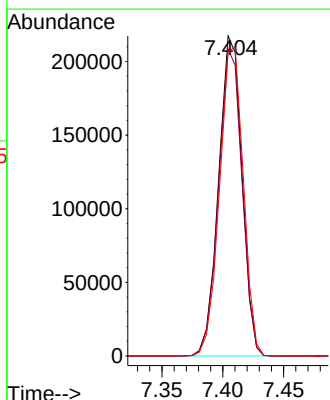
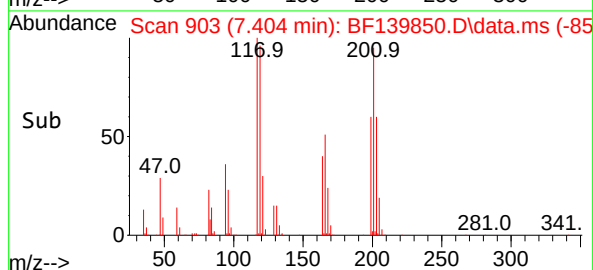
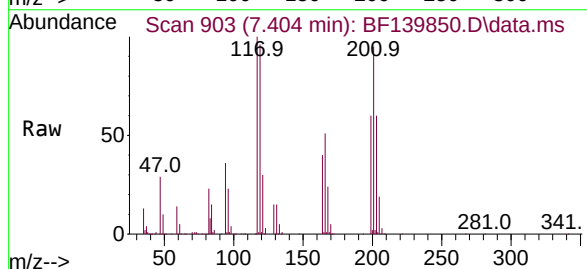
Manual Integrations  
APPROVED

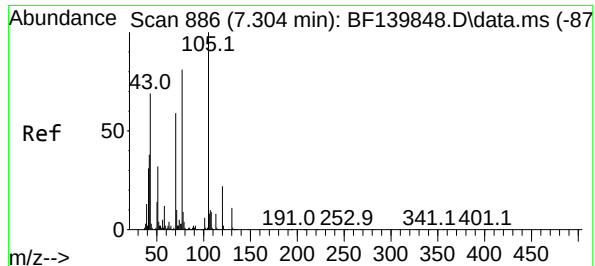
Reviewed By :Yogesh Patel 10/21/2024  
Supervised By :mohammad ahmed 10/21/2024



#18  
Hexachloroethane  
Concen: 57.398 ng  
RT: 7.404 min Scan# 903  
Delta R.T. 0.000 min  
Lab File: BF139850.D  
Acq: 18 Oct 2024 13:17

Tgt Ion:117 Resp: 290250  
Ion Ratio Lower Upper  
117 100  
119 96.0 77.0 115.4  
201 94.9 76.2 114.4





#19

n-Nitroso-di-n-propylamine

Concen: 55.418 ng

RT: 7.310 min Scan# 886

Delta R.T. 0.006 min

Lab File: BF139850.D

Acq: 18 Oct 2024 13:17

Instrument :

BNA\_F

ClientSampleId :

SSTDICC060

Tgt Ion: 70 Resp: 526510

Ion Ratio Lower Upper

70 100

42 63.7 51.5 77.3

101 9.7 7.5 11.3

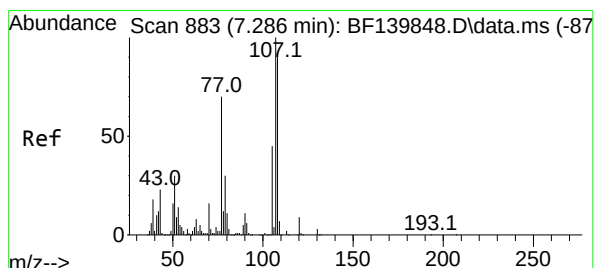
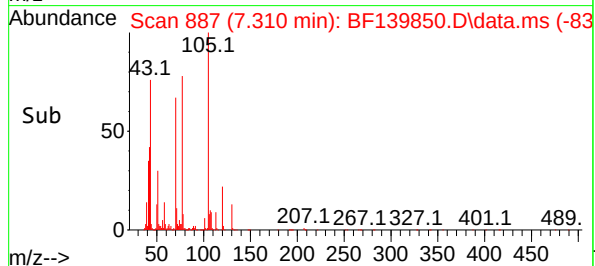
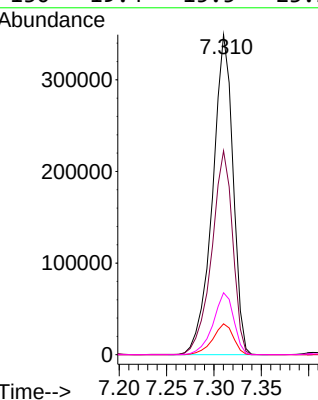
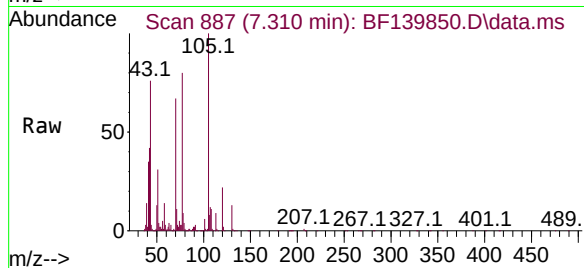
130 19.4 15.5 23.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#20

3+4-Methylphenols

Concen: 54.764 ng

RT: 7.293 min Scan# 884

Delta R.T. 0.006 min

Lab File: BF139850.D

Acq: 18 Oct 2024 13:17

Tgt Ion:107 Resp: 738542

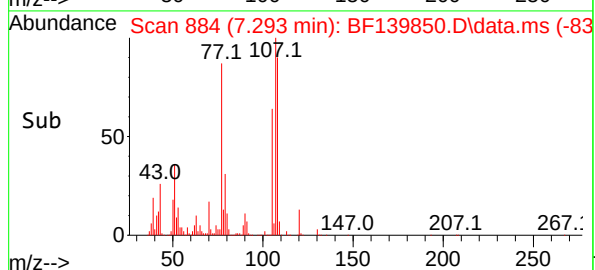
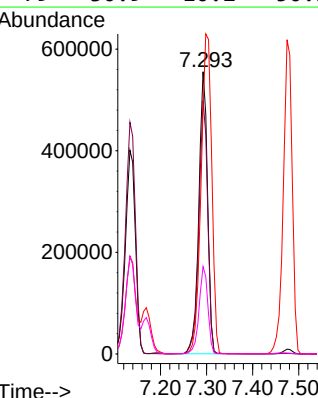
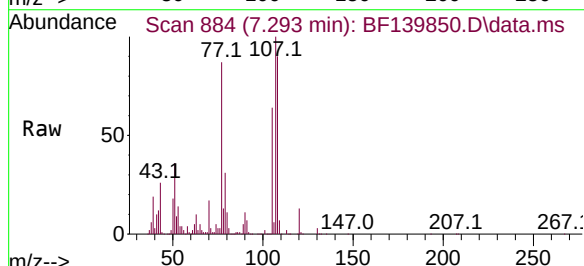
Ion Ratio Lower Upper

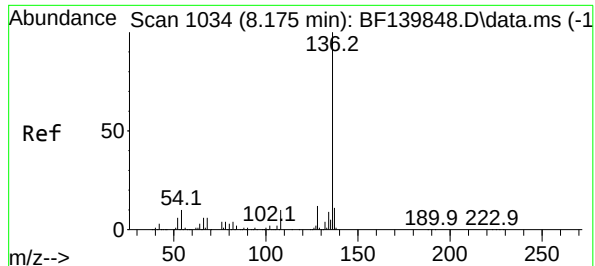
107 100

108 89.8 69.8 109.8

77 86.6 50.5 90.5

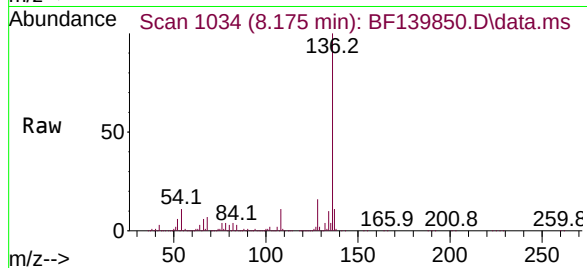
79 30.9 10.2 50.2





#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.175 min Scan# 1034  
Delta R.T. 0.000 min  
Lab File: BF139850.D  
Acq: 18 Oct 2024 13:17

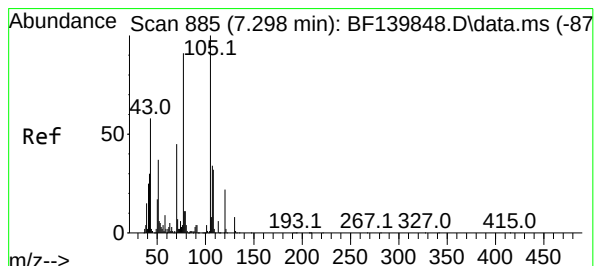
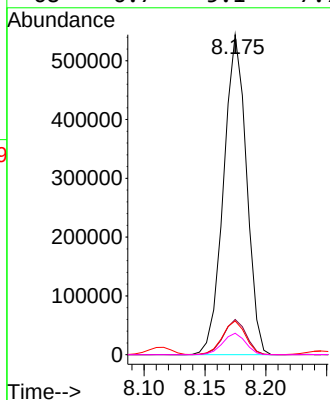
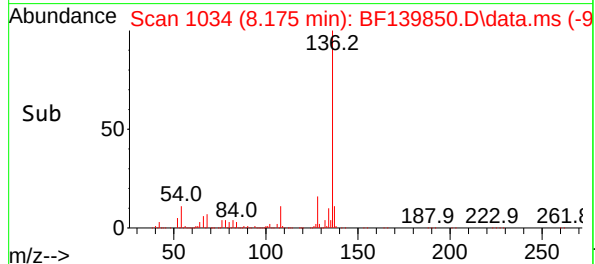
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC060



Tgt Ion:136 Resp: 712033  
Ion Ratio Lower Upper  
136 100  
137 11.0 8.6 12.8  
54 10.6 8.4 12.6  
68 6.7 5.1 7.7

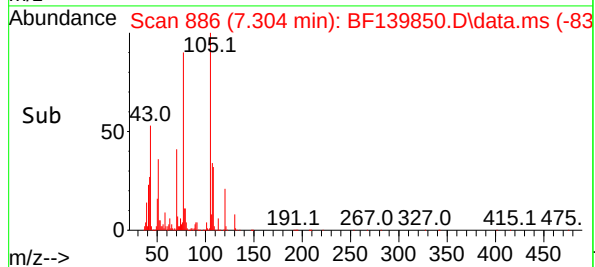
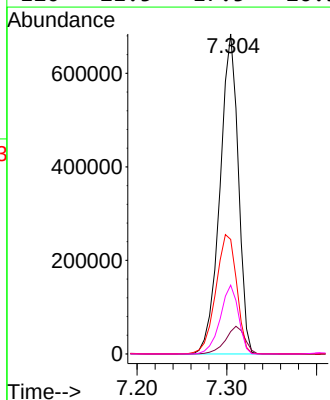
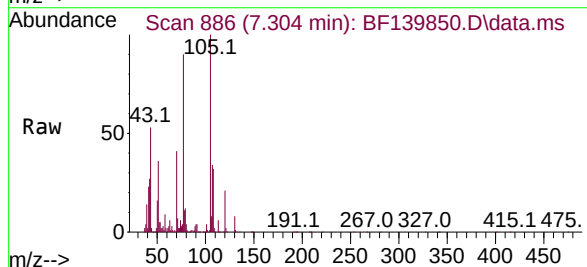
Manual Integrations  
APPROVED

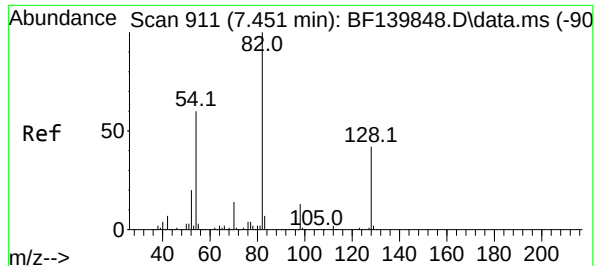
Reviewed By :Yogesh Patel 10/21/2024  
Supervised By :mohammad ahmed 10/21/2024



#22  
Acetophenone  
Concen: 55.618 ng  
RT: 7.304 min Scan# 886  
Delta R.T. 0.006 min  
Lab File: BF139850.D  
Acq: 18 Oct 2024 13:17

Tgt Ion:105 Resp: 969975  
Ion Ratio Lower Upper  
105 100  
71 7.0 5.9 8.9  
51 35.8 29.4 44.2  
120 21.5 17.5 26.3





#23

Nitrobenzene-d5

Concen: 118.624 ng

RT: 7.457 min Scan# 911

Delta R.T. 0.006 min

Lab File: BF139850.D

Acq: 18 Oct 2024 13:17

Instrument :

BNA\_F

ClientSampleId :

SSTDICC060

Tgt Ion: 82 Resp: 152397

Ion Ratio Lower Upper

82 100

128 42.1 33.4 50.0

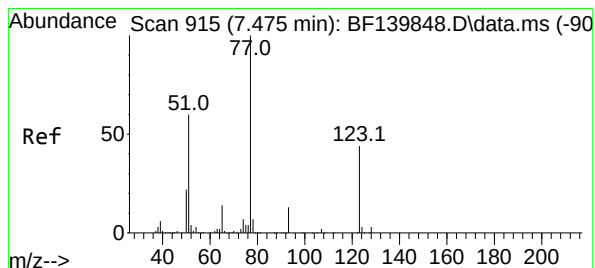
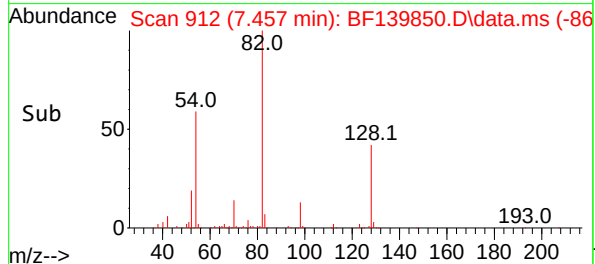
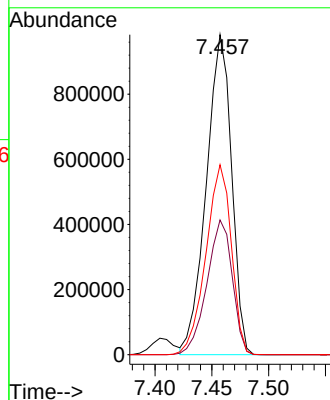
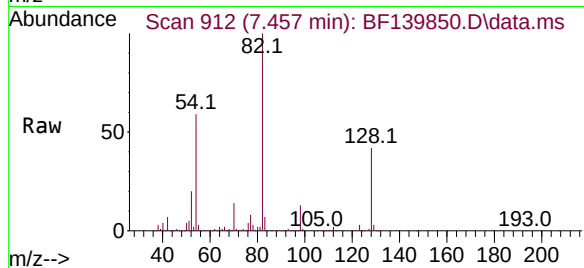
54 59.3 47.8 71.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#24

Nitrobenzene

Concen: 58.785 ng

RT: 7.475 min Scan# 915

Delta R.T. 0.000 min

Lab File: BF139850.D

Acq: 18 Oct 2024 13:17

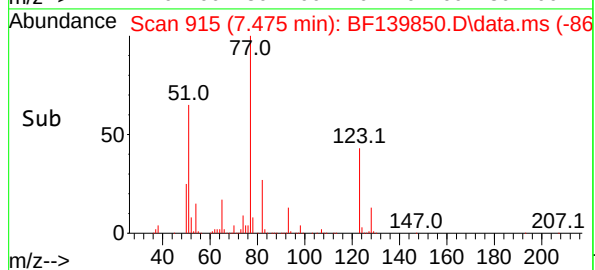
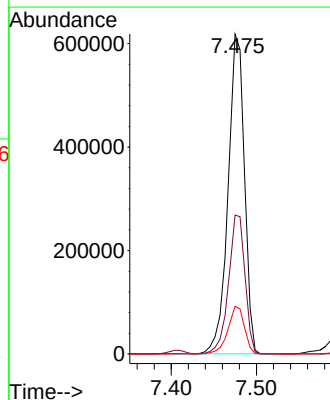
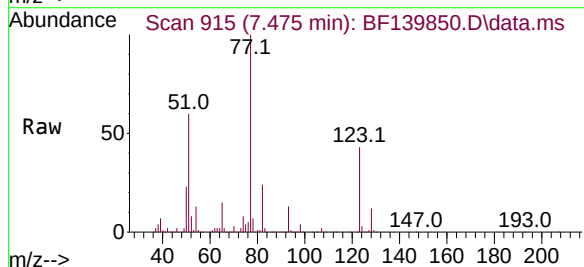
Tgt Ion: 77 Resp: 828015

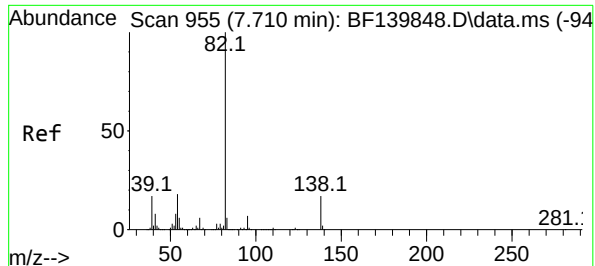
Ion Ratio Lower Upper

77 100

123 43.4 35.7 53.5

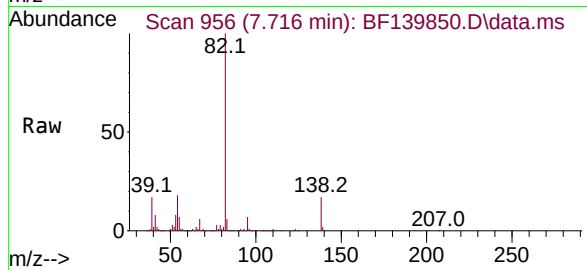
65 14.9 11.5 17.3





#25  
Isophorone  
Concen: 57.816 ng  
RT: 7.716 min Scan# 955  
Delta R.T. 0.006 min  
Lab File: BF139850.D  
Acq: 18 Oct 2024 13:17

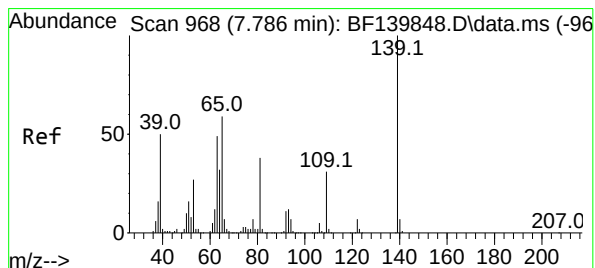
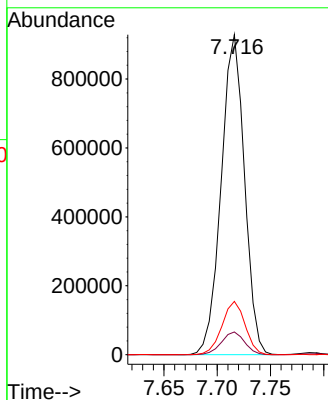
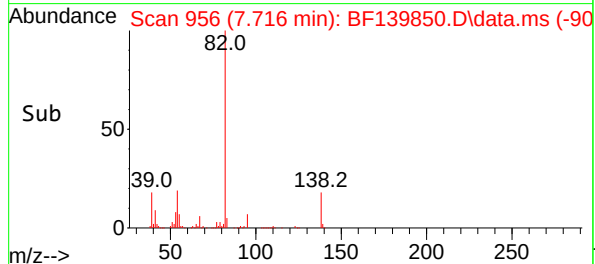
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC060



Tgt Ion: 82 Resp: 1409780  
Ion Ratio Lower Upper  
82 100  
95 7.1 5.5 8.3  
138 16.7 13.2 19.8

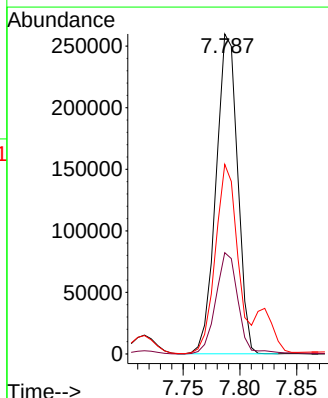
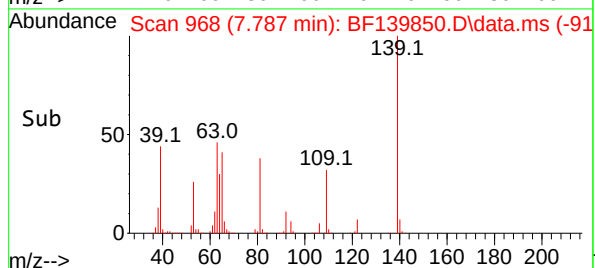
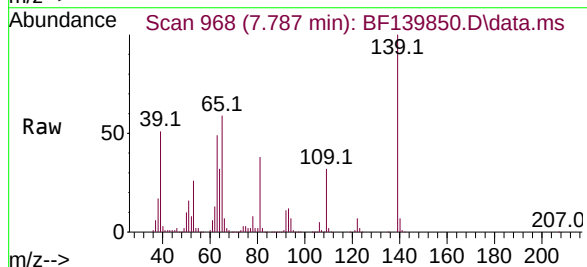
Manual Integrations  
APPROVED

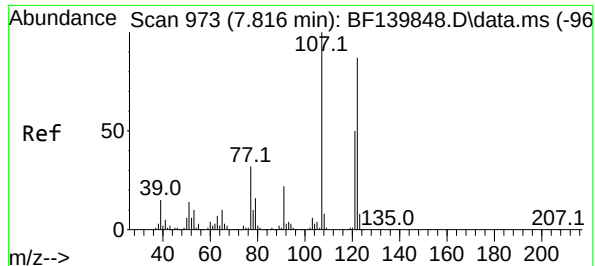
Reviewed By :Yogesh Patel 10/21/2024  
Supervised By :mohammad ahmed 10/21/2024



#26  
2-Nitrophenol  
Concen: 64.793 ng  
RT: 7.787 min Scan# 968  
Delta R.T. 0.000 min  
Lab File: BF139850.D  
Acq: 18 Oct 2024 13:17

Tgt Ion:139 Resp: 344300  
Ion Ratio Lower Upper  
139 100  
109 31.6 25.1 37.7  
65 59.3 47.5 71.3





#27

2,4-Dimethylphenol

Concen: 56.468 ng

RT: 7.822 min Scan# 91

Delta R.T. 0.006 min

Lab File: BF139850.D

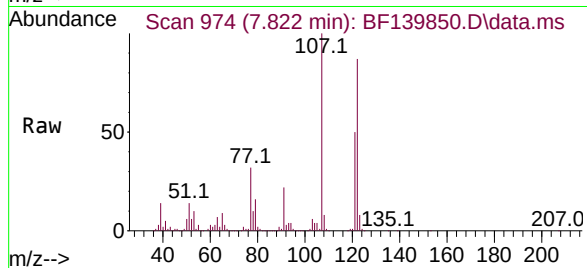
Acq: 18 Oct 2024 13:17

Instrument :

BNA\_F

ClientSampleId :

SSTDICC060



Tgt Ion:122 Resp: 50033

Ion Ratio Lower Upper

122 100

107 115.6 91.9 137.9

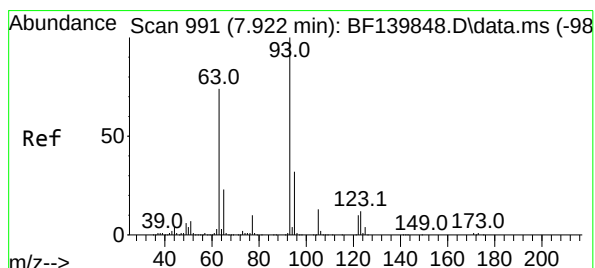
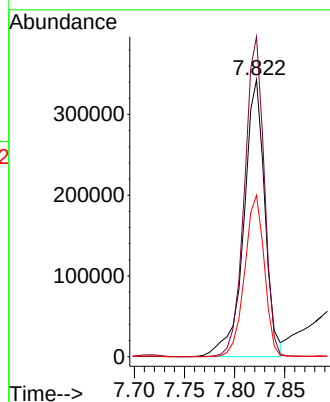
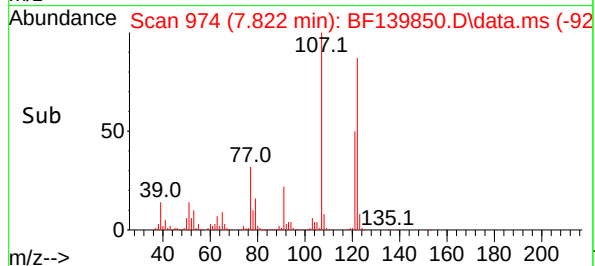
121 58.3 46.2 69.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#28

bis(2-Chloroethoxy)methane

Concen: 56.369 ng

RT: 7.922 min Scan# 991

Delta R.T. 0.000 min

Lab File: BF139850.D

Acq: 18 Oct 2024 13:17

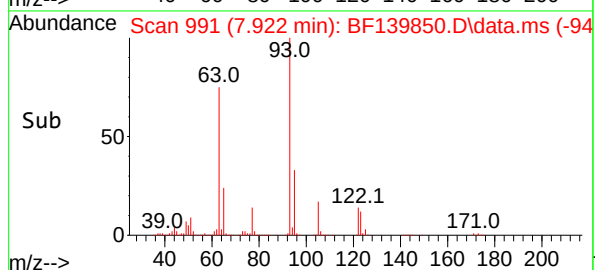
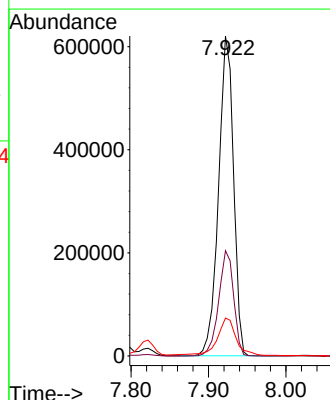
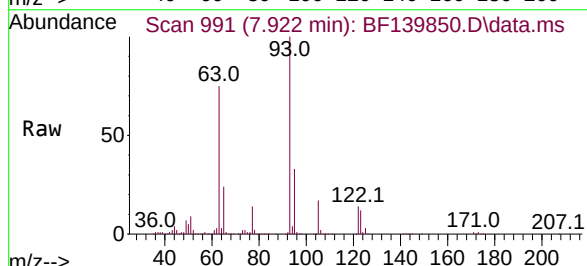
Tgt Ion: 93 Resp: 832755

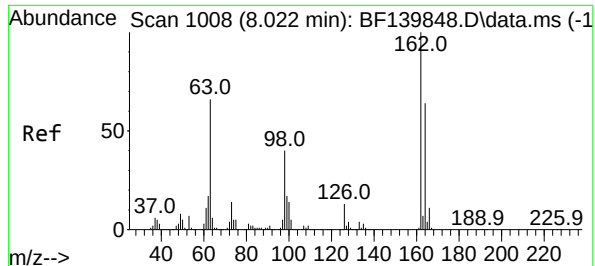
Ion Ratio Lower Upper

93 100

95 32.9 26.0 39.0

123 11.8 9.8 14.8





#29

2,4-Dichlorophenol

Concen: 57.952 ng

RT: 8.028 min Scan# 1008

Delta R.T. 0.006 min

Lab File: BF139850.D

Acq: 18 Oct 2024 13:17

Instrument :

BNA\_F

ClientSampleId :

SSTDICC060

Tgt Ion:162 Resp: 58487

Ion Ratio Lower Upper

162 100

164 63.9 43.9 83.9

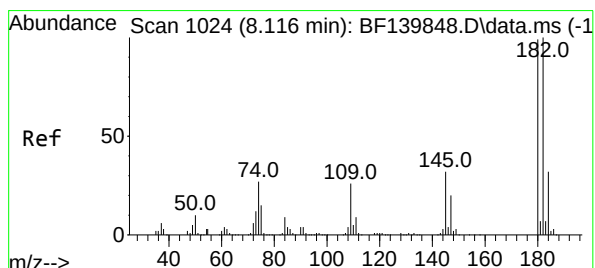
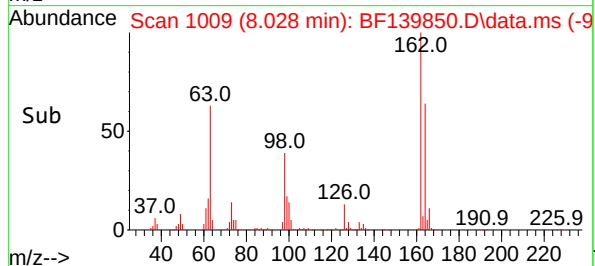
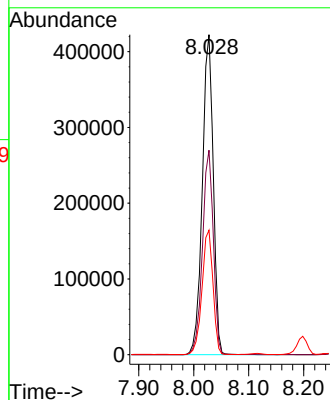
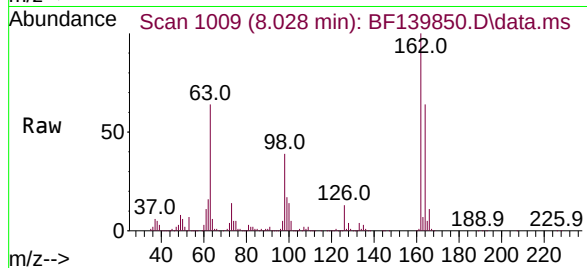
98 38.9 19.9 59.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#30

1,2,4-Trichlorobenzene

Concen: 56.947 ng

RT: 8.116 min Scan# 1024

Delta R.T. 0.000 min

Lab File: BF139850.D

Acq: 18 Oct 2024 13:17

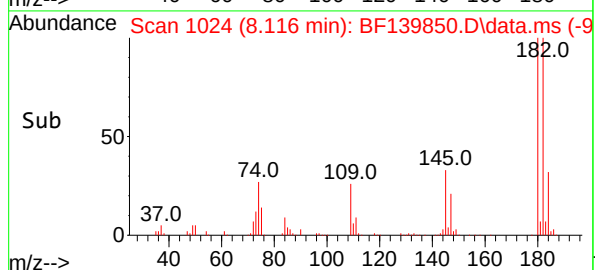
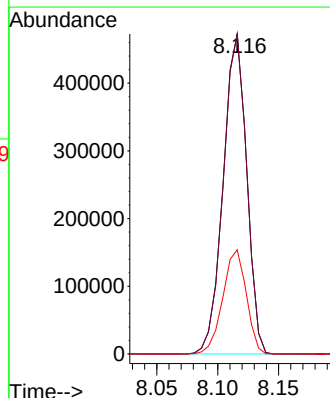
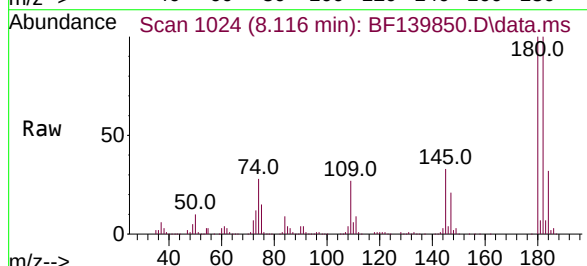
Tgt Ion:180 Resp: 635946

Ion Ratio Lower Upper

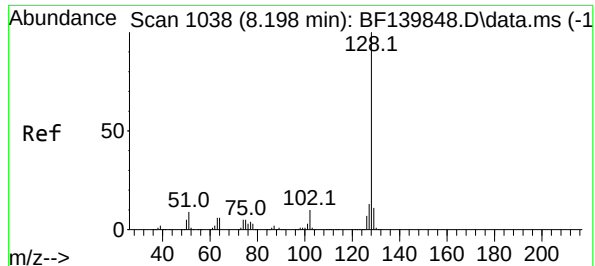
180 100

182 99.7 80.5 120.7

145 32.6 25.4 38.0







#31

Naphthalene

Concen: 54.907 ng

RT: 8.198 min Scan# 1038

Delta R.T. 0.000 min

Lab File: BF139850.D

Acq: 18 Oct 2024 13:17

Instrument :

BNA\_F

ClientSampleId :

SSTDICC060

Tgt Ion:128 Resp: 2016330

Ion Ratio Lower Upper

128 100

129 11.5 8.9 13.3

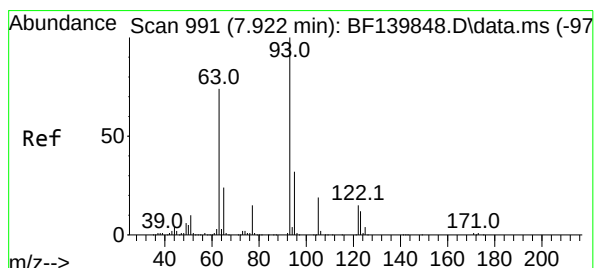
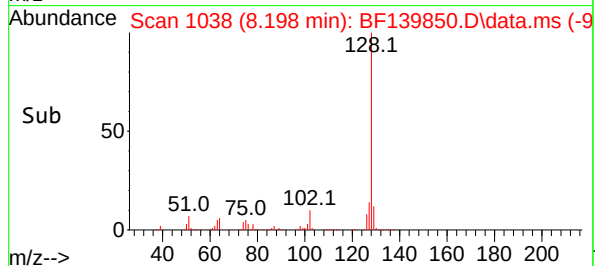
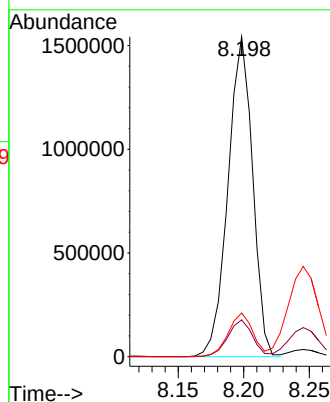
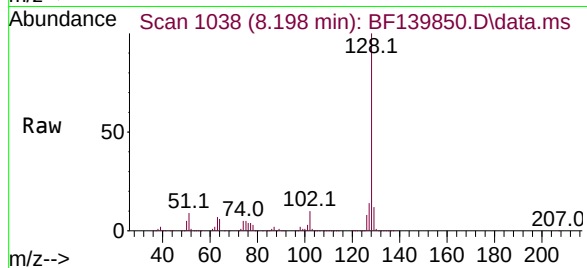
127 13.7 10.6 16.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#32

Benzoic acid

Concen: 64.980 ng

RT: 7.945 min Scan# 995

Delta R.T. 0.023 min

Lab File: BF139850.D

Acq: 18 Oct 2024 13:17

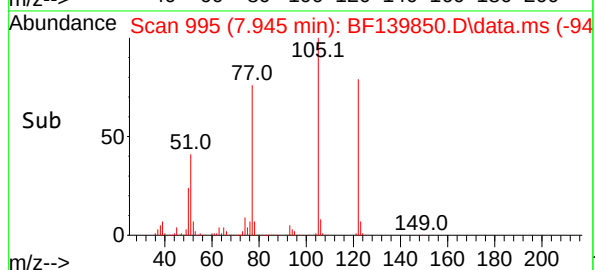
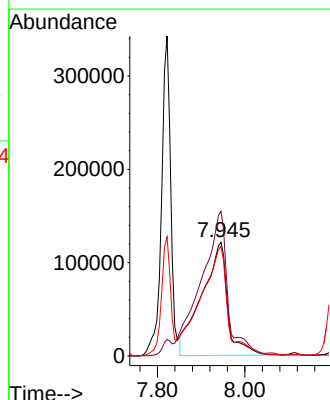
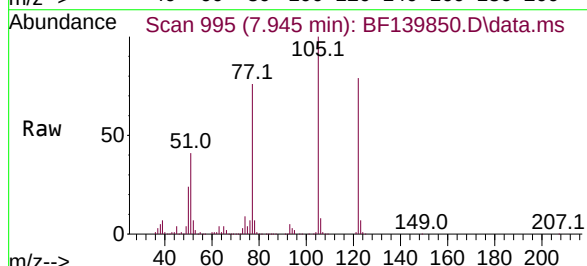
Tgt Ion:122 Resp: 502169

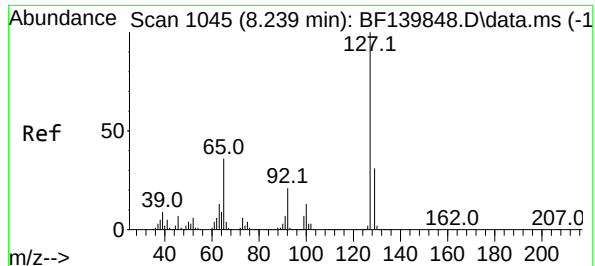
Ion Ratio Lower Upper

122 100

105 127.1 107.6 147.6

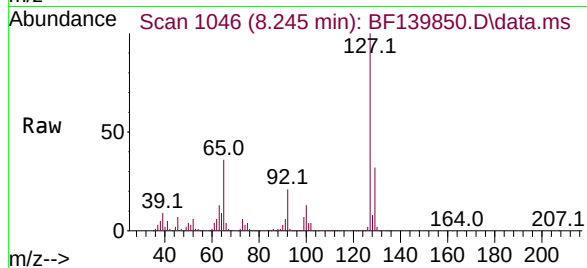
77 96.2 80.2 120.2





#33  
4-Chloroaniline  
Concen: 55.548 ng  
RT: 8.245 min Scan# 1045  
Delta R.T. 0.006 min  
Lab File: BF139850.D  
Acq: 18 Oct 2024 13:17

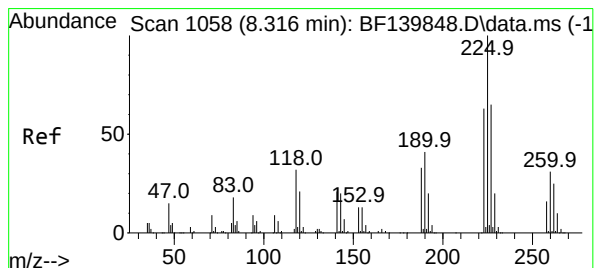
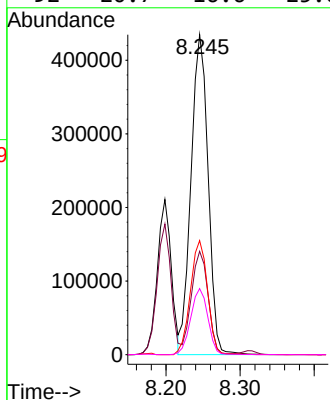
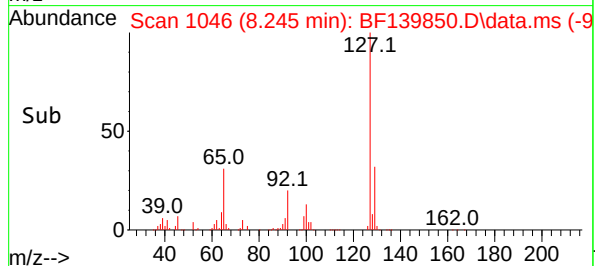
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC060



Tgt Ion:127 Resp: 695560  
Ion Ratio Lower Upper  
127 100  
129 32.3 25.4 38.2  
65 35.7 28.4 42.6  
92 20.7 16.6 25.0

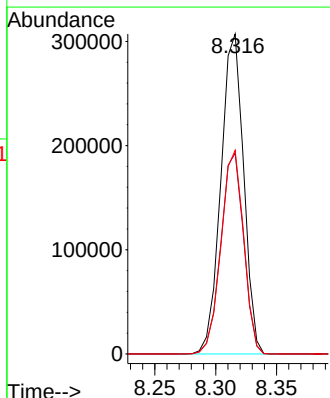
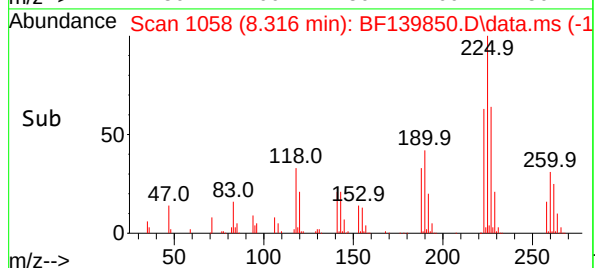
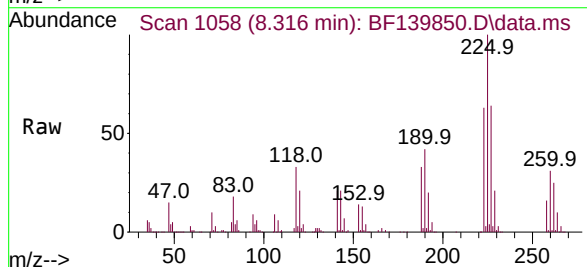
Manual Integrations  
APPROVED

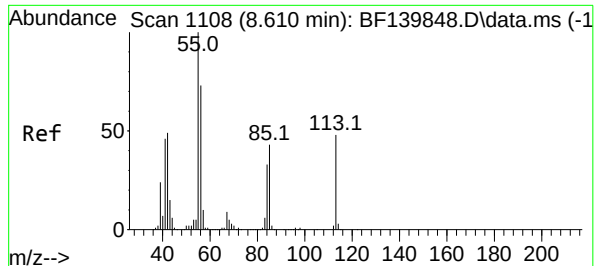
Reviewed By :Yogesh Patel 10/21/2024  
Supervised By :mohammad ahmed 10/21/2024



#34  
Hexachlorobutadiene  
Concen: 56.934 ng  
RT: 8.316 min Scan# 1058  
Delta R.T. 0.000 min  
Lab File: BF139850.D  
Acq: 18 Oct 2024 13:17

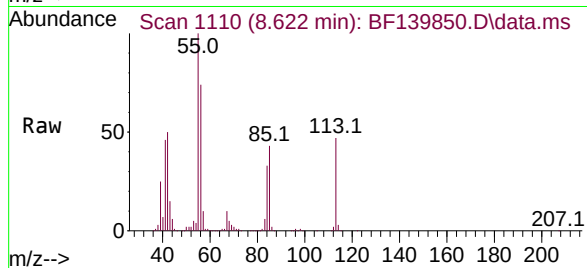
Tgt Ion:225 Resp: 399483  
Ion Ratio Lower Upper  
225 100  
223 62.8 50.6 76.0  
227 63.6 51.8 77.8





#35  
Caprolactam  
Concen: 58.880 ng  
RT: 8.622 min Scan# 1110  
Delta R.T. 0.012 min  
Lab File: BF139850.D  
Acq: 18 Oct 2024 13:17

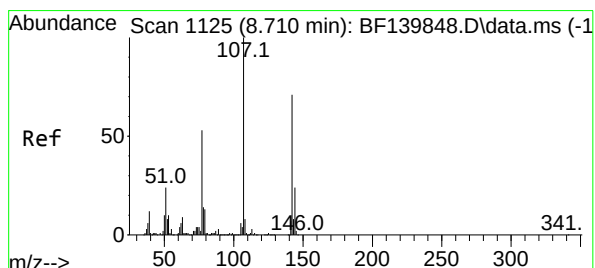
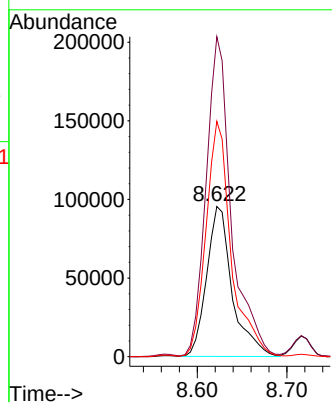
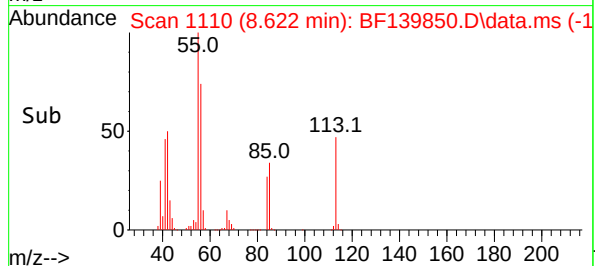
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC060



Tgt Ion:113 Resp: 188948  
Ion Ratio Lower Upper  
113 100  
55 213.0 189.2 229.2  
56 156.6 132.5 172.5

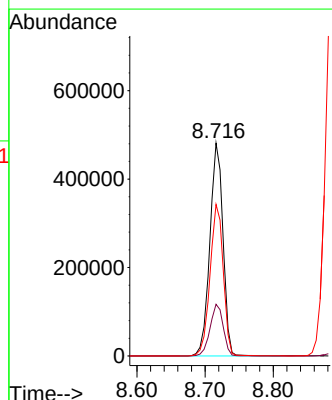
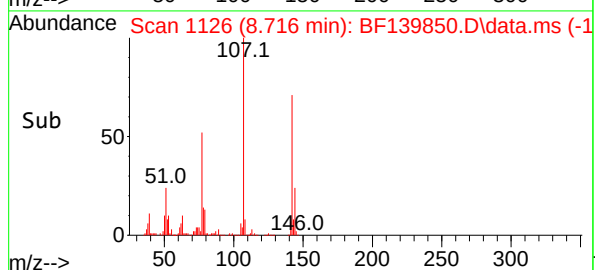
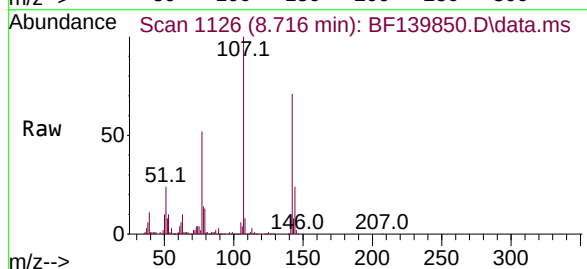
Manual Integrations  
APPROVED

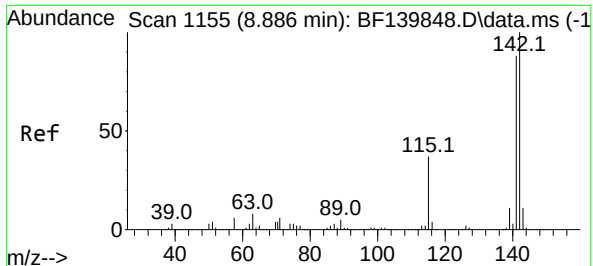
Reviewed By :Yogesh Patel 10/21/2024  
Supervised By :mohammad ahmed 10/21/2024



#36  
4-Chloro-3-methylphenol  
Concen: 57.872 ng  
RT: 8.716 min Scan# 1126  
Delta R.T. 0.006 min  
Lab File: BF139850.D  
Acq: 18 Oct 2024 13:17

Tgt Ion:107 Resp: 646732  
Ion Ratio Lower Upper  
107 100  
144 24.3 19.1 28.7  
142 71.2 57.2 85.8





#37

2-Methylnaphthalene

Concen: 55.401 ng

RT: 8.887 min Scan# 1155

Delta R.T. 0.000 min

Lab File: BF139850.D

Acq: 18 Oct 2024 13:17

Instrument :

BNA\_F

ClientSampleId :

SSTDICC060

Tgt Ion:142 Resp: 124597

Ion Ratio Lower Upper

142 100

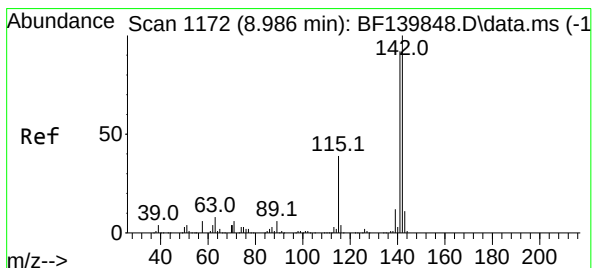
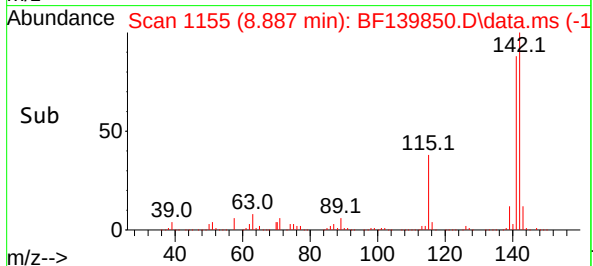
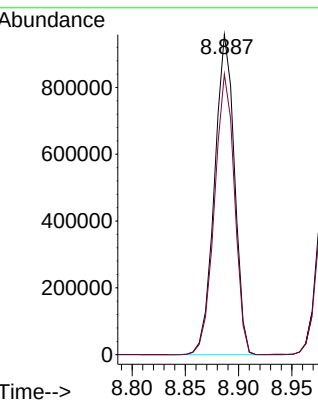
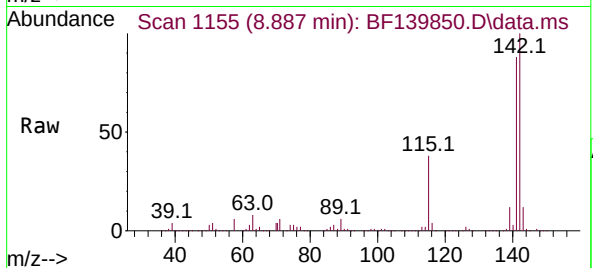
141 87.7 70.8 106.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#38

1-Methylnaphthalene

Concen: 54.926 ng

RT: 8.987 min Scan# 1172

Delta R.T. 0.000 min

Lab File: BF139850.D

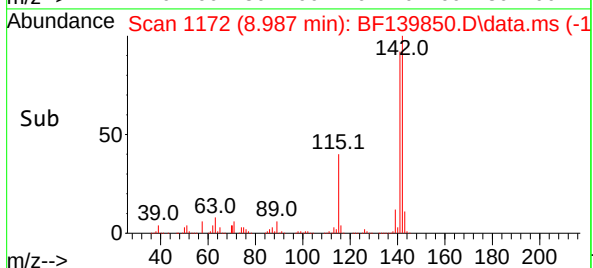
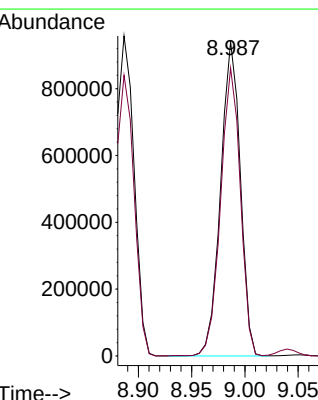
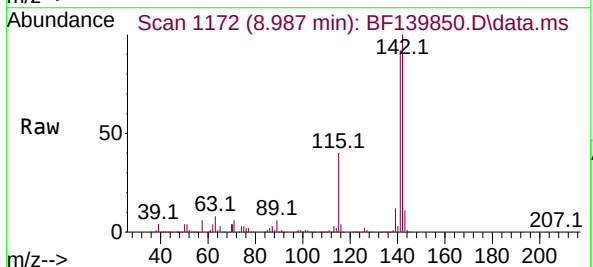
Acq: 18 Oct 2024 13:17

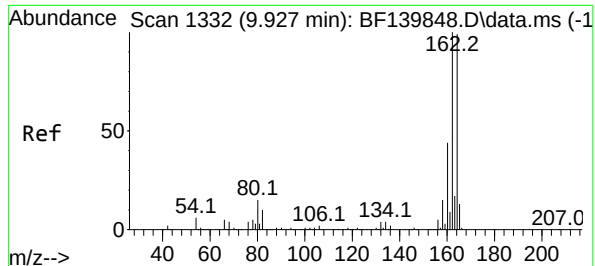
Tgt Ion:142 Resp: 1211981

Ion Ratio Lower Upper

142 100

141 91.6 73.5 110.3





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.928 min Scan# 11

Delta R.T. 0.001 min

Lab File: BF139850.D

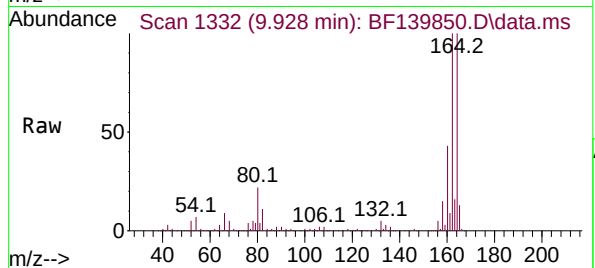
Acq: 18 Oct 2024 13:17

Instrument :

BNA\_F

ClientSampleId :

SSTDICC060



Tgt Ion:164 Resp: 389299

Ion Ratio Lower Upper

164 100

162 100.1 81.0 121.4

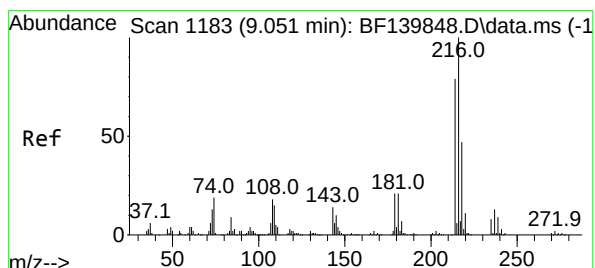
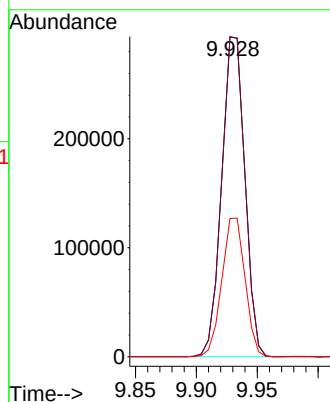
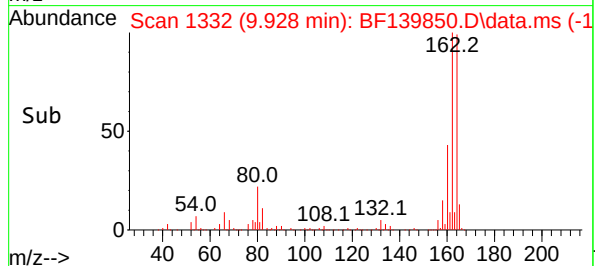
160 43.3 35.4 53.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#40

1,2,4,5-Tetrachlorobenzene

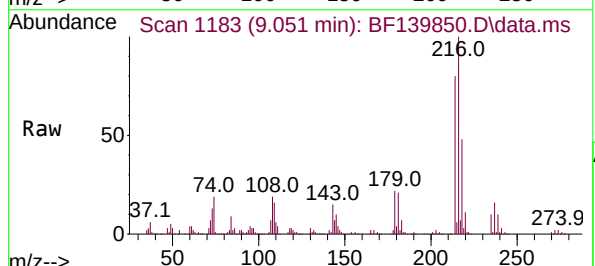
Concen: 56.315 ng

RT: 9.051 min Scan# 1183

Delta R.T. 0.000 min

Lab File: BF139850.D

Acq: 18 Oct 2024 13:17



Tgt Ion:216 Resp: 591461

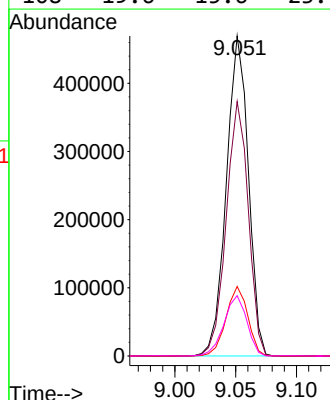
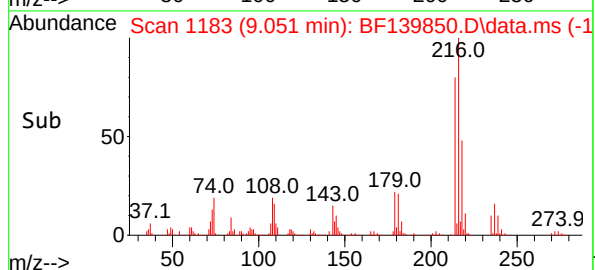
Ion Ratio Lower Upper

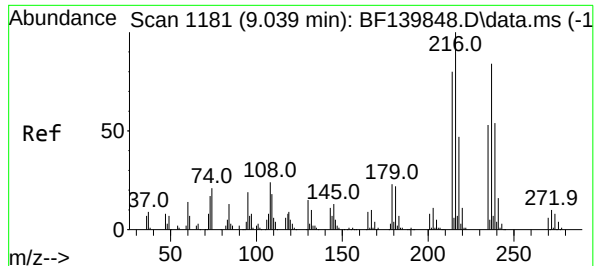
216 100

214 79.6 63.4 95.0

179 21.5 17.2 25.8

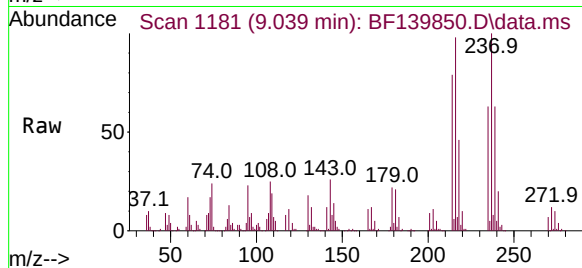
108 19.6 15.6 23.4





#41  
Hexachlorocyclopentadiene  
Concen: 59.262 ng  
RT: 9.039 min Scan# 1181  
Delta R.T. 0.000 min  
Lab File: BF139850.D  
Acq: 18 Oct 2024 13:17

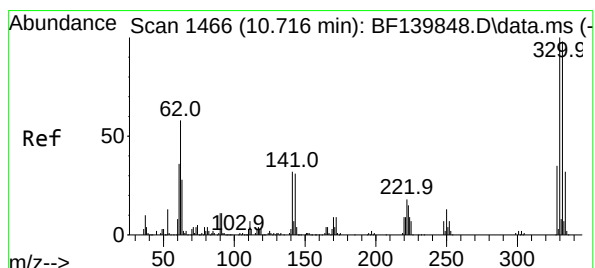
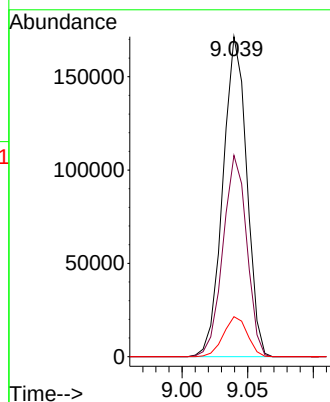
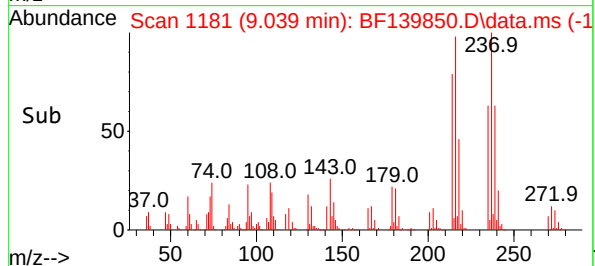
Instrument :  
BNA\_F  
Client Sample Id :  
SSTDICC060



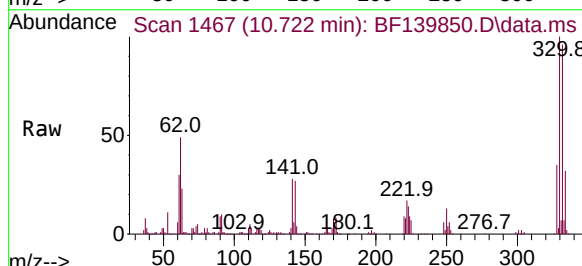
Tgt Ion: 237 Resp: 21656  
Ion Ratio Lower Upper  
237 100  
235 62.9 42.9 82.9  
272 12.5 0.0 32.3

Manual Integrations  
APPROVED

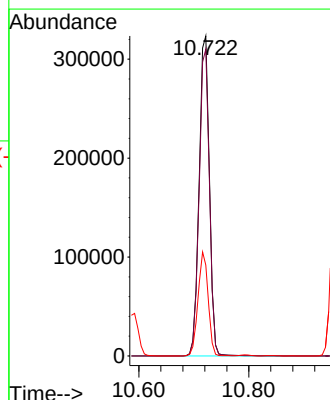
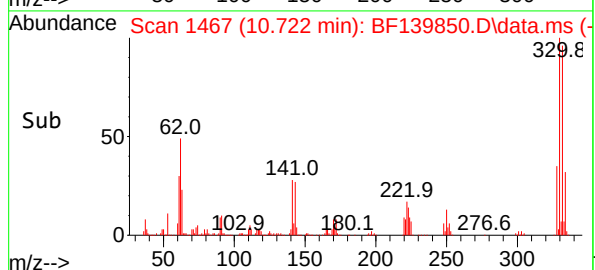
Reviewed By : Yogesh Patel 10/21/2024  
Supervised By : mohammad ahmed 10/21/2024

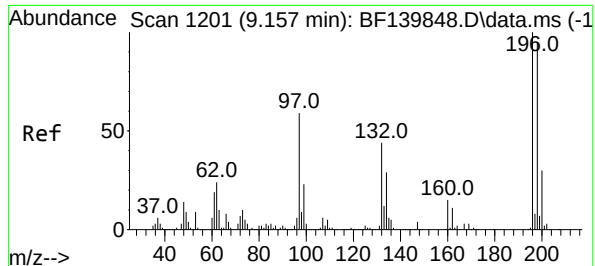


#42  
2,4,6-Tribromophenol  
Concen: 115.586 ng  
RT: 10.722 min Scan# 1467  
Delta R.T. 0.006 min  
Lab File: BF139850.D  
Acq: 18 Oct 2024 13:17



Tgt Ion: 330 Resp: 420891  
Ion Ratio Lower Upper  
330 100  
332 95.9 78.1 117.1  
141 32.0 26.6 39.8





#43

2,4,6-Trichlorophenol

Concen: 60.209 ng

RT: 9.157 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF139850.D

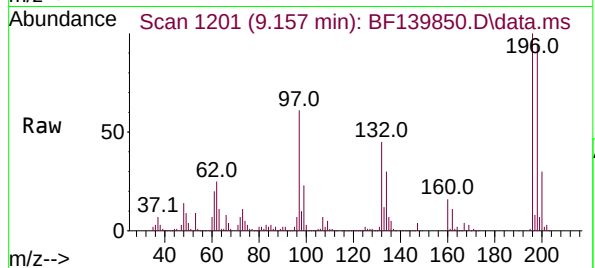
Acq: 18 Oct 2024 13:17

Instrument :

BNA\_F

ClientSampleId :

SSTDICC060



Tgt Ion:196 Resp: 447702

Ion Ratio Lower Upper

196 100

198 94.1 76.2 114.2

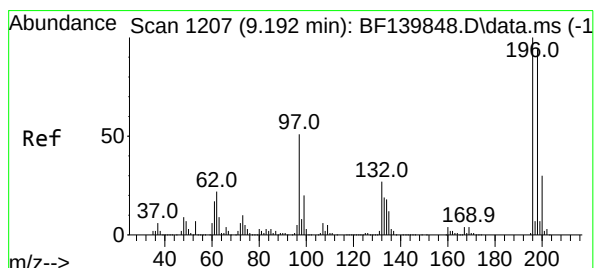
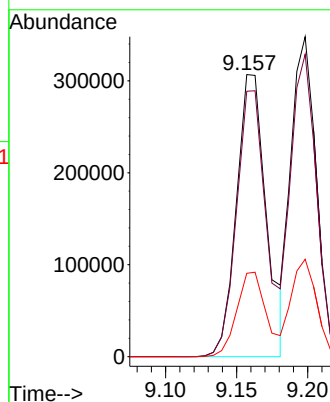
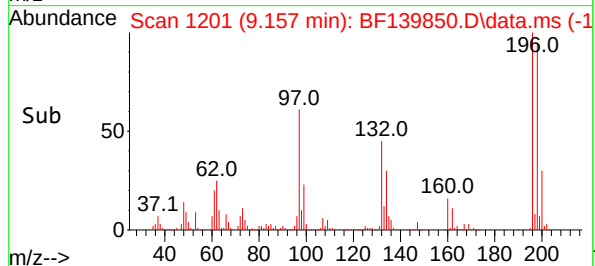
200 29.6 24.0 36.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#44

2,4,5-Trichlorophenol

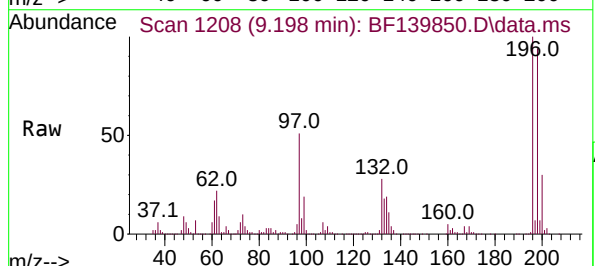
Concen: 56.191 ng

RT: 9.198 min Scan# 1208

Delta R.T. 0.006 min

Lab File: BF139850.D

Acq: 18 Oct 2024 13:17



Tgt Ion:196 Resp: 431080

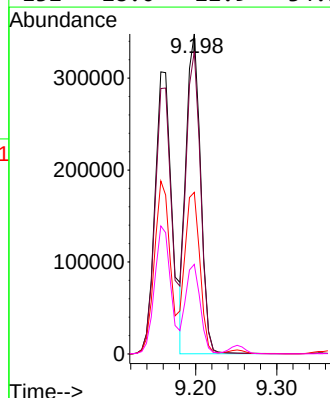
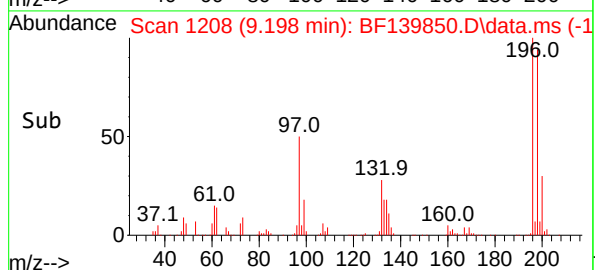
Ion Ratio Lower Upper

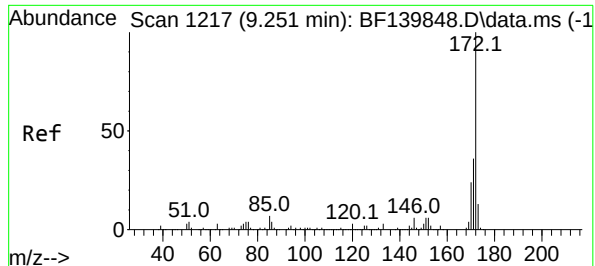
196 100

198 94.5 75.8 113.6

97 50.5 41.8 62.6

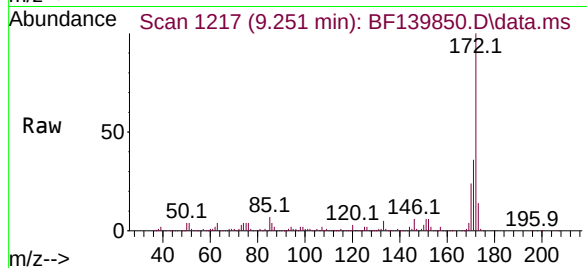
132 28.0 22.9 34.3





#45  
2-Fluorobiphenyl  
Concen: 105.106 ng  
RT: 9.251 min Scan# 1217  
Delta R.T. 0.000 min  
Lab File: BF139850.D  
Acq: 18 Oct 2024 13:17

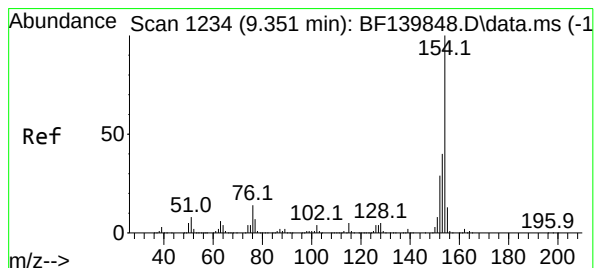
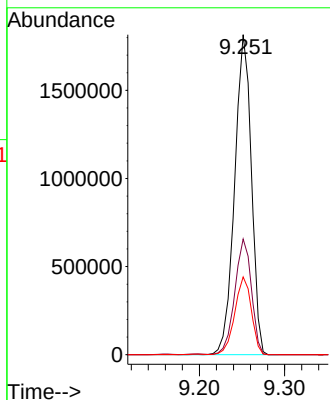
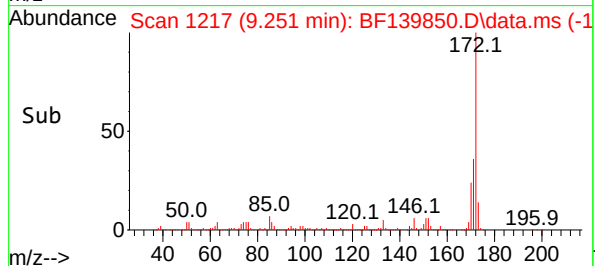
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC060



Tgt Ion:172 Resp: 247582  
Ion Ratio Lower Upper  
172 100  
171 36.2 28.6 43.0  
170 24.3 19.1 28.7

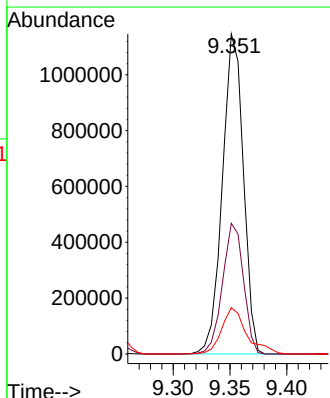
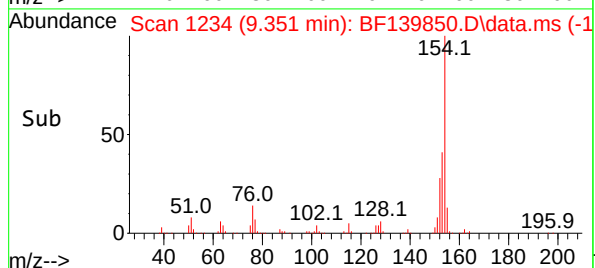
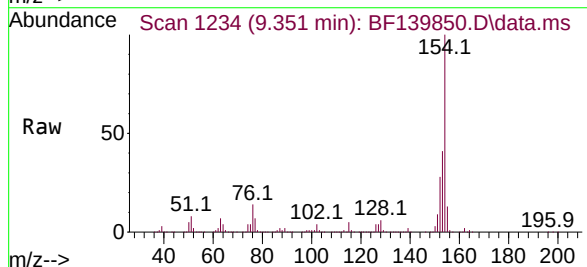
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 10/21/2024  
Supervised By :mohammad ahmed 10/21/2024

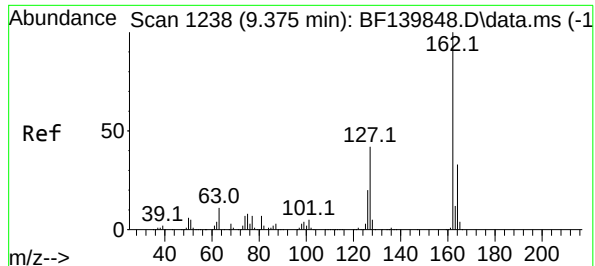


#46  
1,1'-Biphenyl  
Concen: 54.396 ng  
RT: 9.351 min Scan# 1234  
Delta R.T. 0.000 min  
Lab File: BF139850.D  
Acq: 18 Oct 2024 13:17

Tgt Ion:154 Resp: 1474193  
Ion Ratio Lower Upper  
154 100  
153 40.9 20.3 60.3  
76 14.5 0.0 33.9

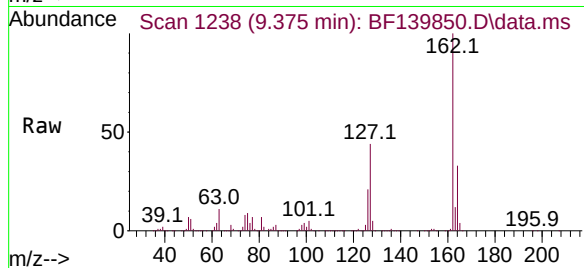






#47  
2-Chloronaphthalene  
Concen: 55.657 ng  
RT: 9.375 min Scan# 1238  
Delta R.T. 0.000 min  
Lab File: BF139850.D  
Acq: 18 Oct 2024 13:17

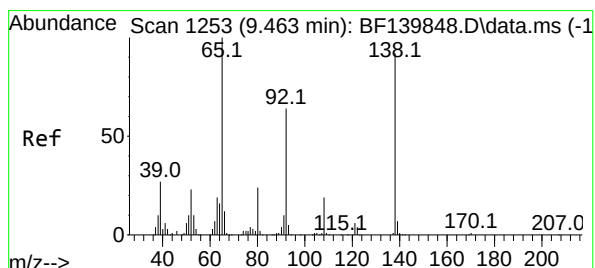
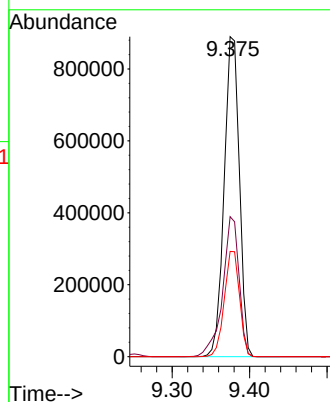
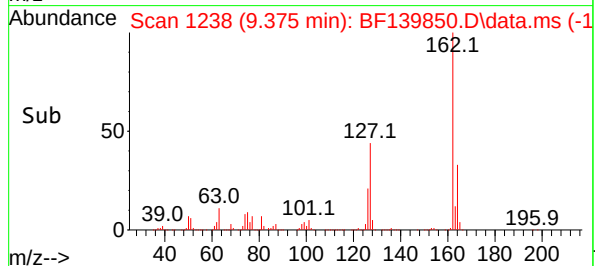
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC060



Tgt Ion:162 Resp: 1214850  
Ion Ratio Lower Upper  
162 100  
127 43.7 33.8 50.6  
164 32.9 26.6 39.8

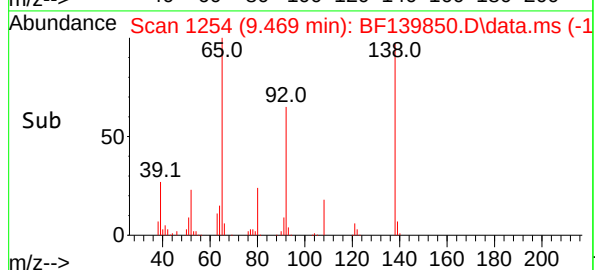
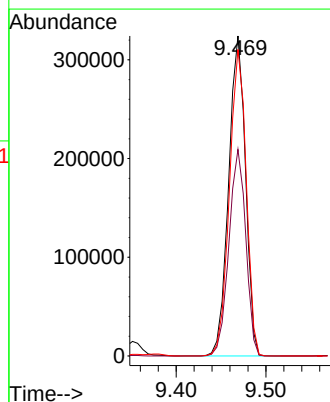
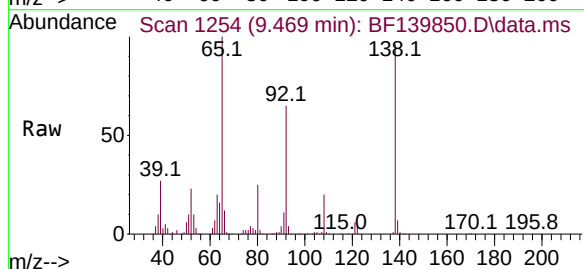
Manual Integrations  
APPROVED

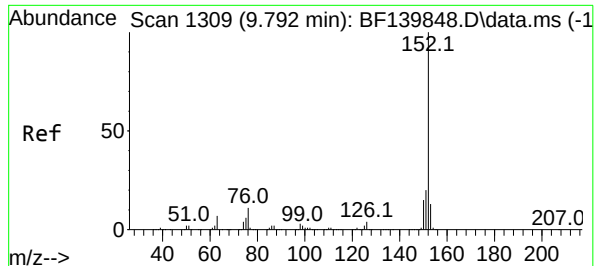
Reviewed By :Yogesh Patel 10/21/2024  
Supervised By :mohammad ahmed 10/21/2024



#48  
2-Nitroaniline  
Concen: 63.375 ng  
RT: 9.469 min Scan# 1254  
Delta R.T. 0.006 min  
Lab File: BF139850.D  
Acq: 18 Oct 2024 13:17

Tgt Ion: 65 Resp: 423080  
Ion Ratio Lower Upper  
65 100  
92 64.6 50.9 76.3  
138 95.8 73.4 110.0





#49

Acenaphthylene

Concen: 55.718 ng

RT: 9.792 min Scan# 1309

Delta R.T. 0.000 min

Lab File: BF139850.D

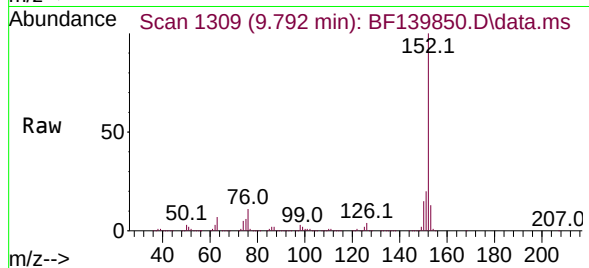
Acq: 18 Oct 2024 13:17

Instrument :

BNA\_F

ClientSampleId :

SSTDICC060



Tgt Ion:152 Resp: 175824

Ion Ratio Lower Upper

152 100

151 20.5 15.9 23.9

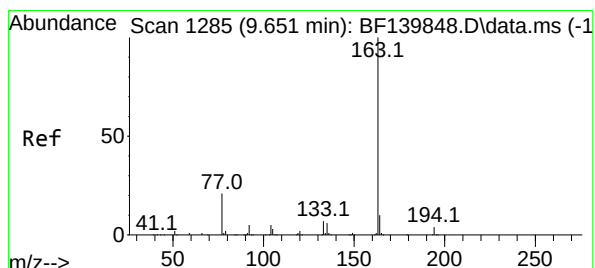
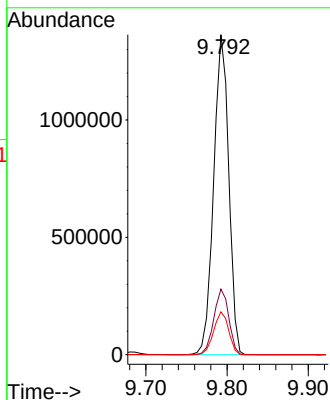
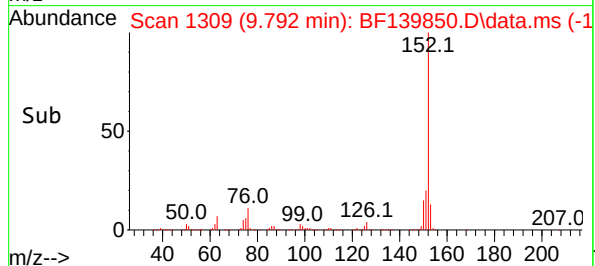
153 13.4 10.7 16.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#50

Dimethylphthalate

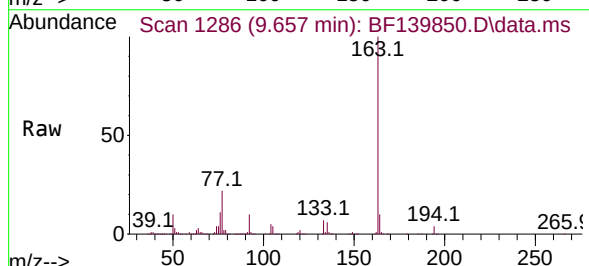
Concen: 56.037 ng

RT: 9.657 min Scan# 1286

Delta R.T. 0.006 min

Lab File: BF139850.D

Acq: 18 Oct 2024 13:17



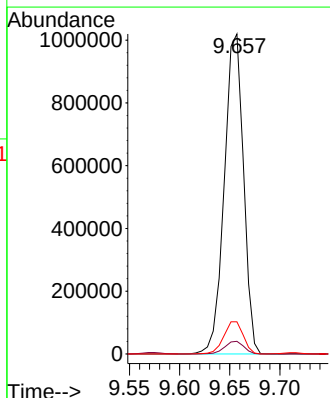
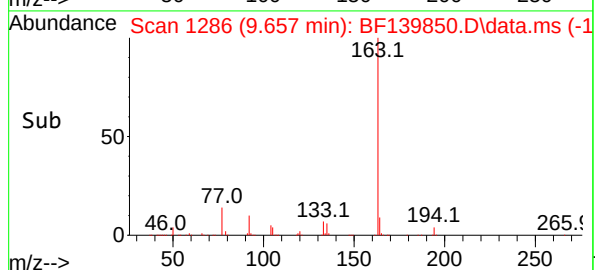
Tgt Ion:163 Resp: 1358812

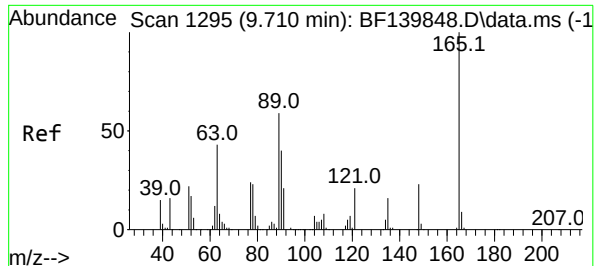
Ion Ratio Lower Upper

163 100

194 4.0 3.4 5.0

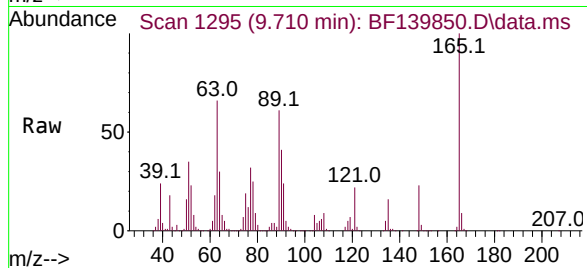
164 10.1 8.2 12.2





#51  
2,6-Dinitrotoluene  
Concen: 60.963 ng  
RT: 9.710 min Scan# 1295  
Delta R.T. 0.000 min  
Lab File: BF139850.D  
Acq: 18 Oct 2024 13:17

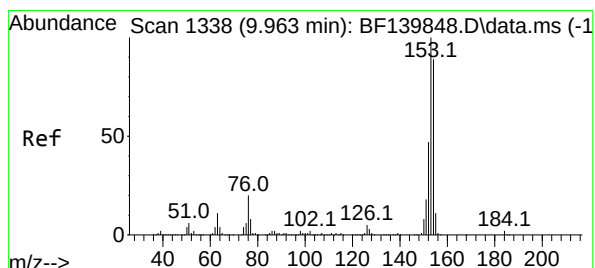
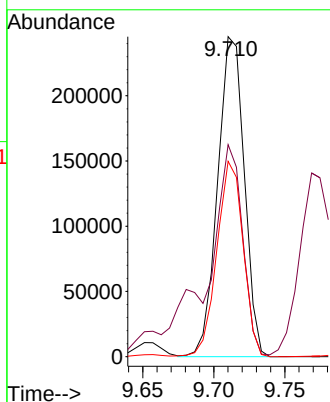
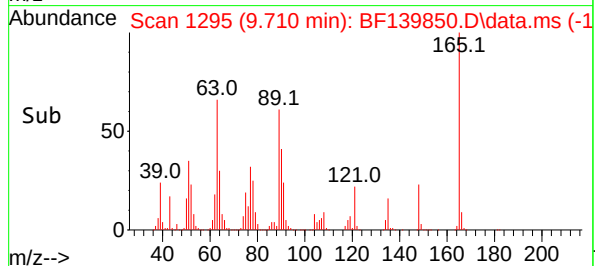
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC060



Tgt Ion:165 Resp: 320070  
Ion Ratio Lower Upper  
165 100  
63 66.3 50.6 75.8  
89 61.0 47.5 71.3

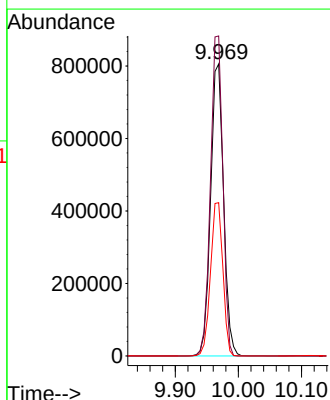
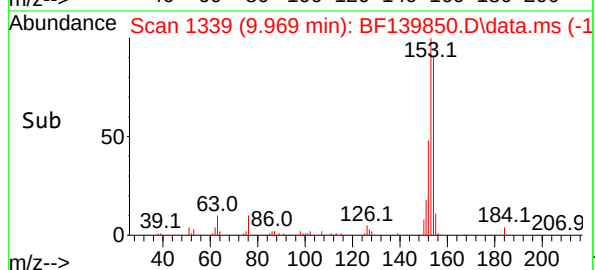
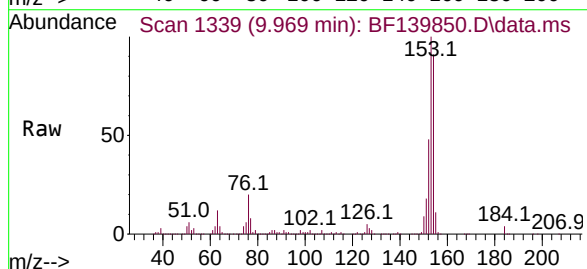
Manual Integrations  
APPROVED

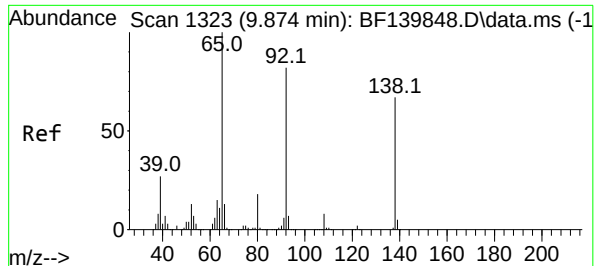
Reviewed By :Yogesh Patel 10/21/2024  
Supervised By :mohammad ahmed 10/21/2024



#52  
Acenaphthene  
Concen: 56.242 ng  
RT: 9.969 min Scan# 1339  
Delta R.T. 0.006 min  
Lab File: BF139850.D  
Acq: 18 Oct 2024 13:17

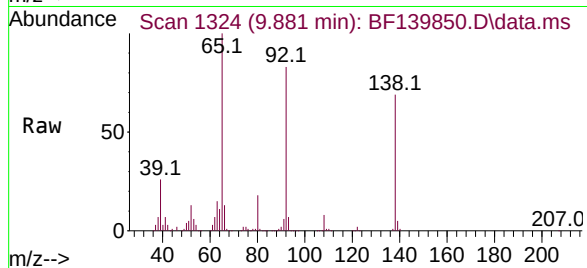
Tgt Ion:154 Resp: 1148095  
Ion Ratio Lower Upper  
154 100  
153 109.6 89.8 134.6  
152 52.5 42.4 63.6





#53  
3-Nitroaniline  
Concen: 60.726 ng  
RT: 9.881 min Scan# 1323  
Delta R.T. 0.006 min  
Lab File: BF139850.D  
Acq: 18 Oct 2024 13:17

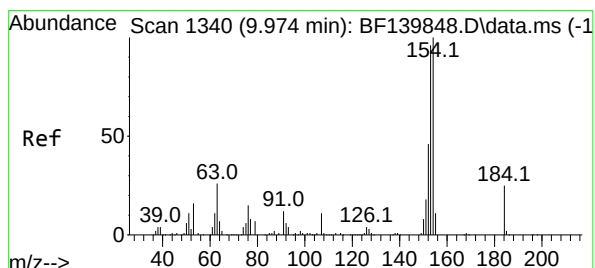
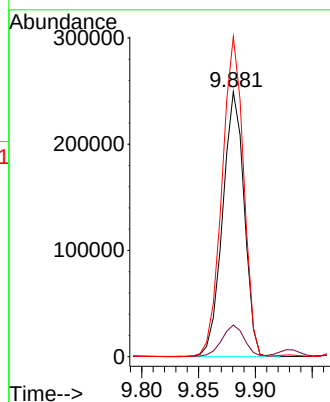
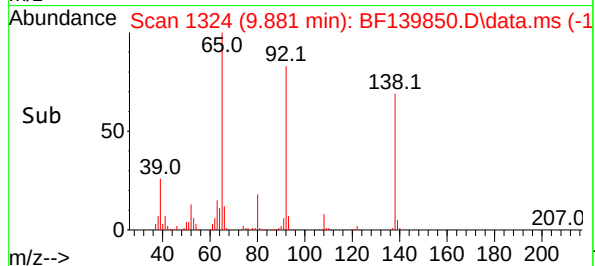
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC060



Tgt Ion:138 Resp: 328790  
Ion Ratio Lower Upper  
138 100  
108 12.0 10.2 15.2  
92 120.8 98.3 147.5

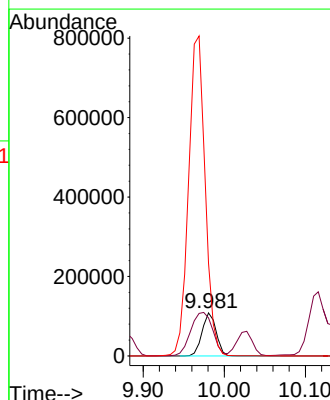
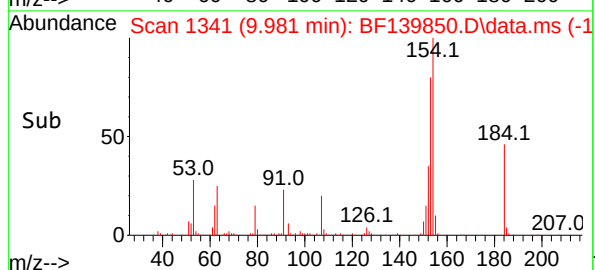
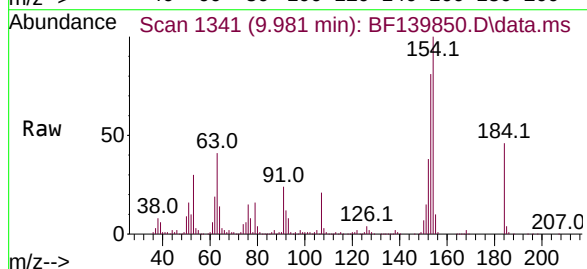
Manual Integrations  
APPROVED

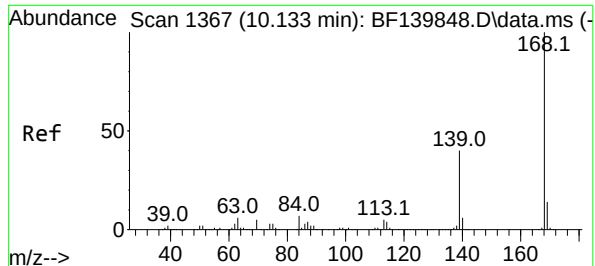
Reviewed By :Yogesh Patel 10/21/2024  
Supervised By :mohammad ahmed 10/21/2024



#54  
2,4-Dinitrophenol  
Concen: 61.938 ng  
RT: 9.981 min Scan# 1341  
Delta R.T. 0.007 min  
Lab File: BF139850.D  
Acq: 18 Oct 2024 13:17

Tgt Ion:184 Resp: 131611  
Ion Ratio Lower Upper  
184 100  
63 88.4 84.7 127.1  
154 215.7 338.2 507.2#





#55

Dibenzenofuran

Concen: 54.819 ng

RT: 10.139 min Scan# 1367

Delta R.T. 0.006 min

Lab File: BF139850.D

Acq: 18 Oct 2024 13:17

Instrument :

BNA\_F

ClientSampleId :

SSTDICC060

Tgt Ion:168 Resp: 160557

Ion Ratio Lower Upper

168 100

139 39.7 31.8 47.6

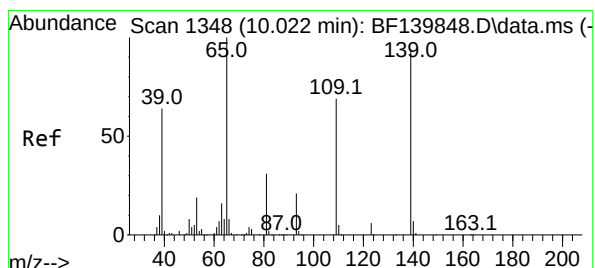
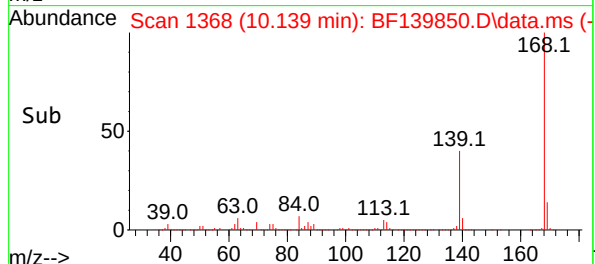
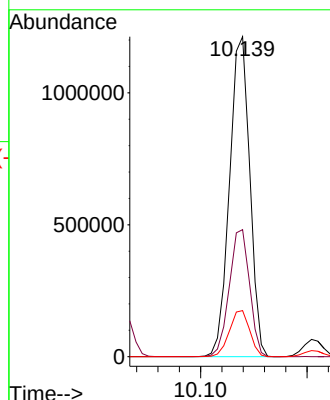
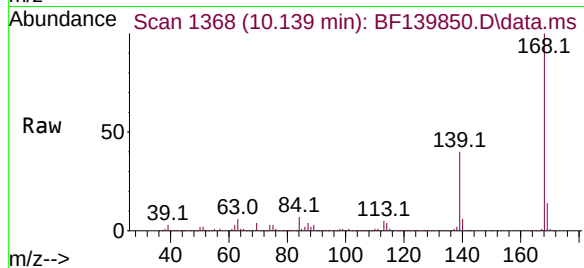
169 14.4 11.6 17.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#56

4-Nitrophenol

Concen: 61.631 ng

RT: 10.028 min Scan# 1349

Delta R.T. 0.006 min

Lab File: BF139850.D

Acq: 18 Oct 2024 13:17

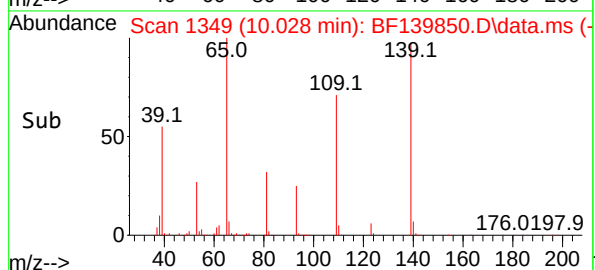
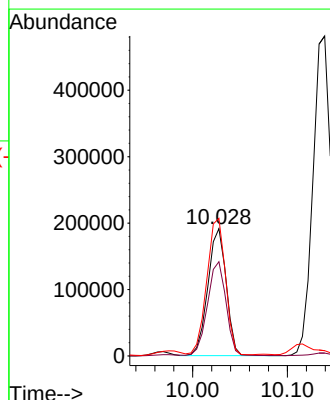
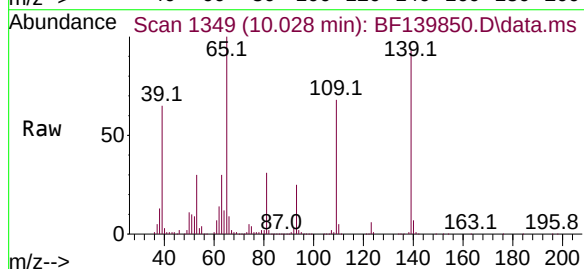
Tgt Ion:139 Resp: 256728

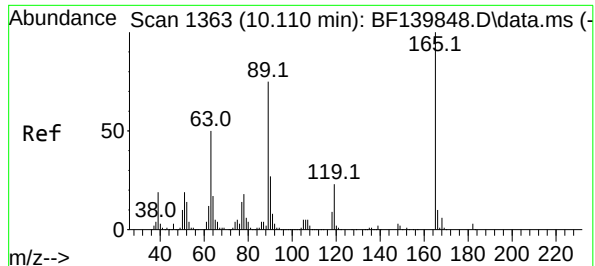
Ion Ratio Lower Upper

139 100

109 74.0 53.6 93.6

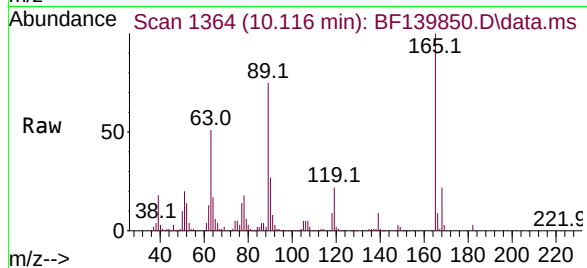
65 108.1 87.8 127.8





#57  
2,4-Dinitrotoluene  
Concen: 63.558 ng  
RT: 10.116 min Scan# 1363  
Delta R.T. 0.006 min  
Lab File: BF139850.D  
Acq: 18 Oct 2024 13:17

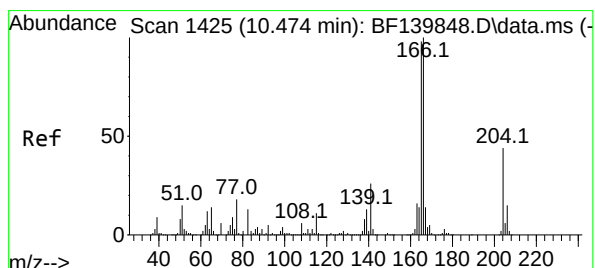
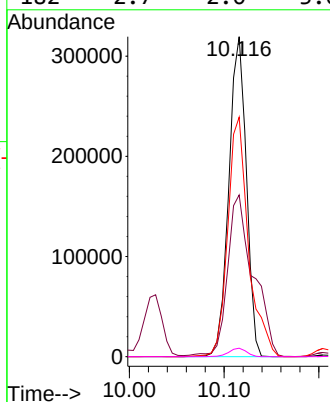
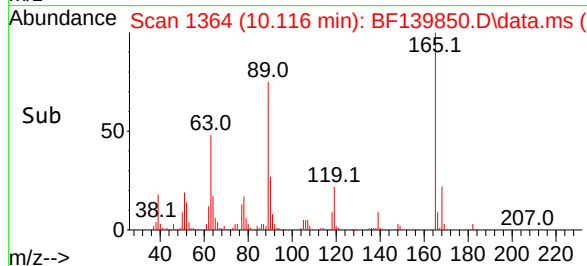
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC060



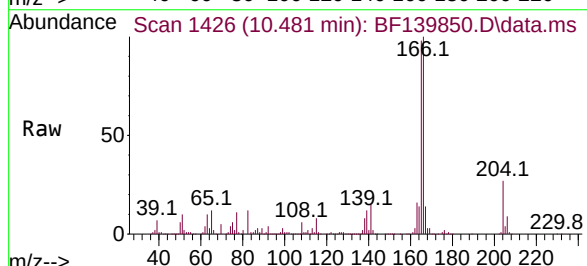
Tgt Ion:165 Resp: 41036  
Ion Ratio Lower Upper  
165 100  
63 50.6 40.1 60.1  
89 74.9 60.4 90.6  
182 2.7 2.0 3.0

Manual Integrations  
APPROVED

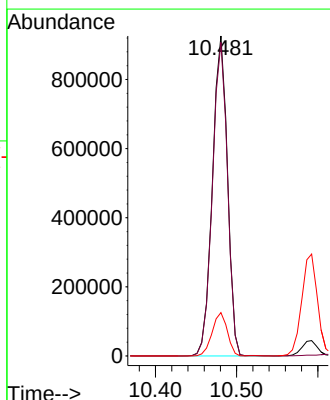
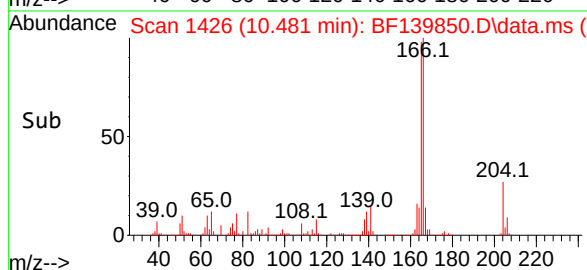
Reviewed By :Yogesh Patel 10/21/2024  
Supervised By :mohammad ahmed 10/21/2024

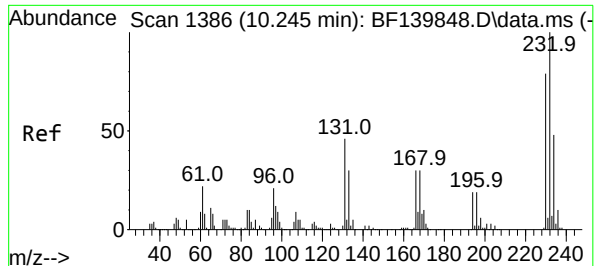


#58  
Fluorene  
Concen: 53.435 ng  
RT: 10.481 min Scan# 1426  
Delta R.T. 0.006 min  
Lab File: BF139850.D  
Acq: 18 Oct 2024 13:17



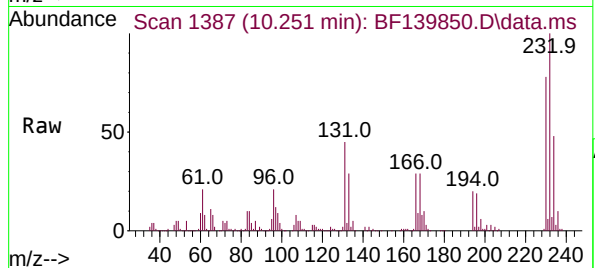
Tgt Ion:166 Resp: 1192018  
Ion Ratio Lower Upper  
166 100  
165 98.0 78.5 117.7  
167 13.5 10.9 16.3





#59  
2,3,4,6-Tetrachlorophenol  
Concen: 56.946 ng  
RT: 10.251 min Scan# 1387  
Delta R.T. 0.006 min  
Lab File: BF139850.D  
Acq: 18 Oct 2024 13:17

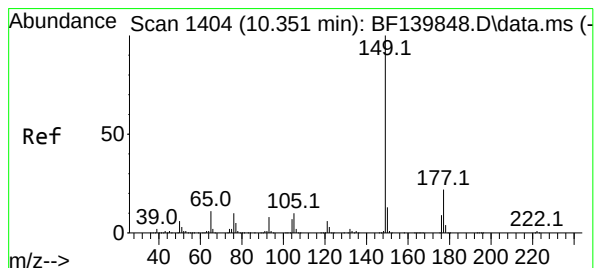
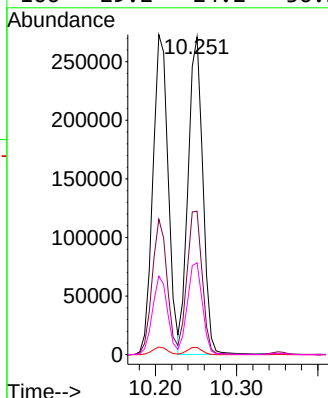
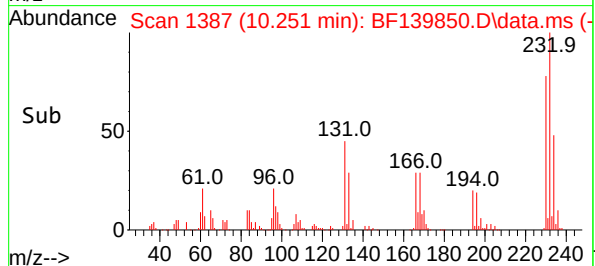
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC060



Tgt Ion:232 Resp: 342475  
Ion Ratio Lower Upper  
232 100  
131 46.7 37.0 55.6  
130 2.4 1.9 2.9  
166 29.2 24.2 36.2

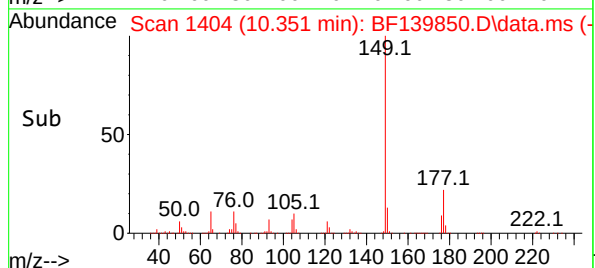
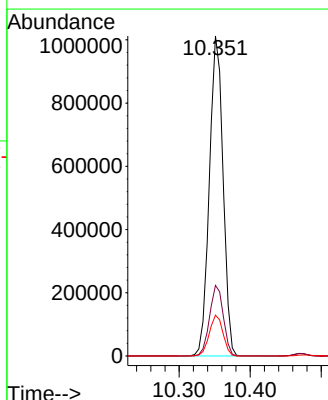
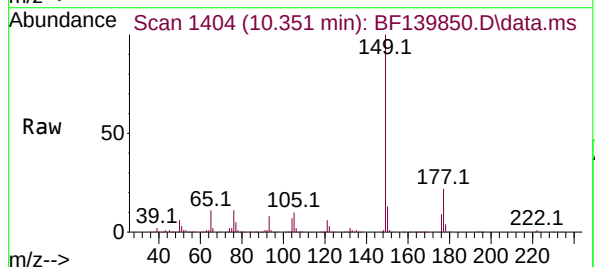
Manual Integrations  
APPROVED

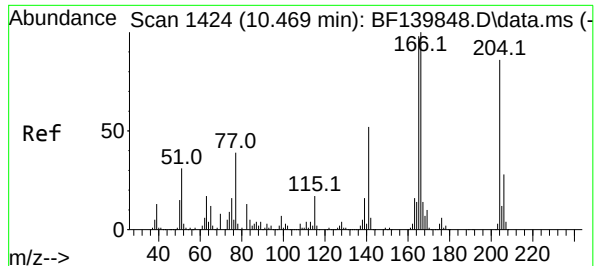
Reviewed By :Yogesh Patel 10/21/2024  
Supervised By :mohammad ahmed 10/21/2024



#60  
Diethylphthalate  
Concen: 56.954 ng  
RT: 10.351 min Scan# 1404  
Delta R.T. 0.000 min  
Lab File: BF139850.D  
Acq: 18 Oct 2024 13:17

Tgt Ion:149 Resp: 1355992  
Ion Ratio Lower Upper  
149 100  
177 22.0 17.9 26.9  
150 12.8 10.1 15.1





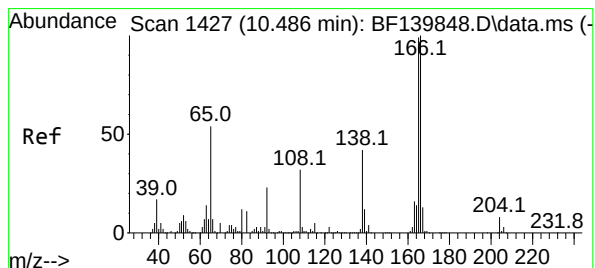
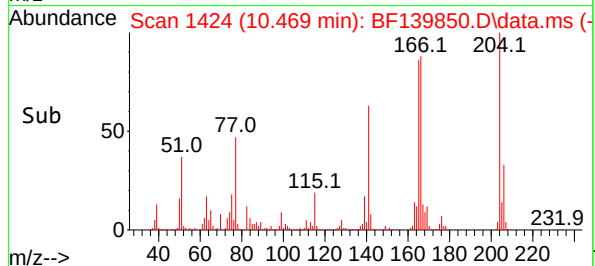
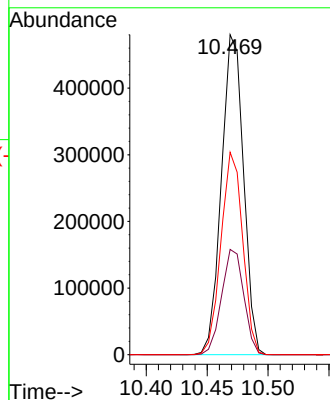
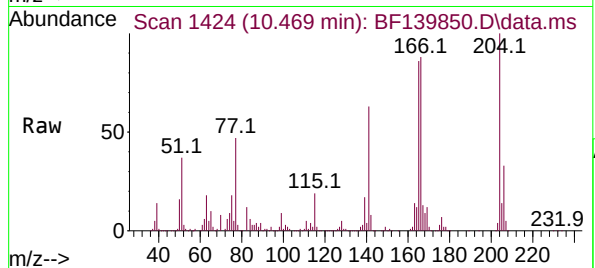
#61  
4-Chlorophenyl-phenylether  
Concen: 53.858 ng  
RT: 10.469 min Scan# 1424  
Delta R.T. 0.000 min  
Lab File: BF139850.D  
Acq: 18 Oct 2024 13:17

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC060

Tgt Ion:204 Resp: 606730  
Ion Ratio Lower Upper  
204 100  
206 32.9 26.3 39.5  
141 63.3 48.6 73.0

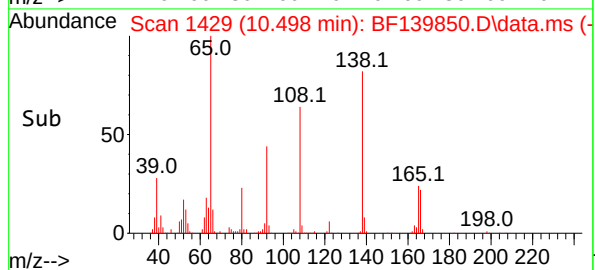
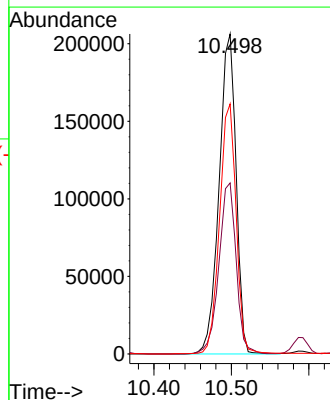
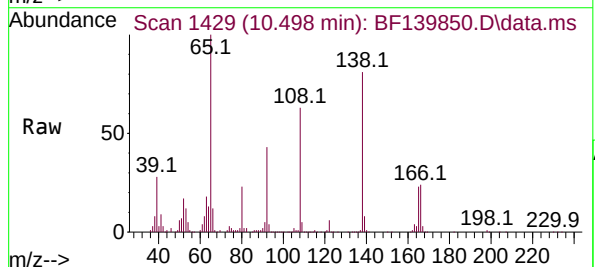
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 10/21/2024  
Supervised By :mohammad ahmed 10/21/2024

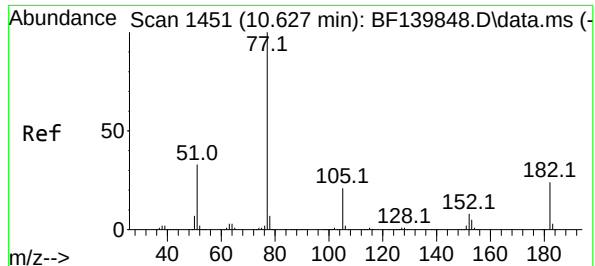


#62  
4-Nitroaniline  
Concen: 61.507 ng  
RT: 10.498 min Scan# 1429  
Delta R.T. 0.012 min  
Lab File: BF139850.D  
Acq: 18 Oct 2024 13:17

Tgt Ion:138 Resp: 314525  
Ion Ratio Lower Upper  
138 100  
92 53.4 35.7 75.7  
108 78.2 57.5 97.5

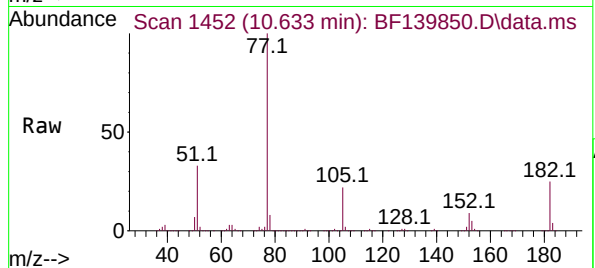






#63  
Azobenzene  
Concen: 56.090 ng  
RT: 10.633 min Scan# 1452  
Delta R.T. 0.006 min  
Lab File: BF139850.D  
Acq: 18 Oct 2024 13:17

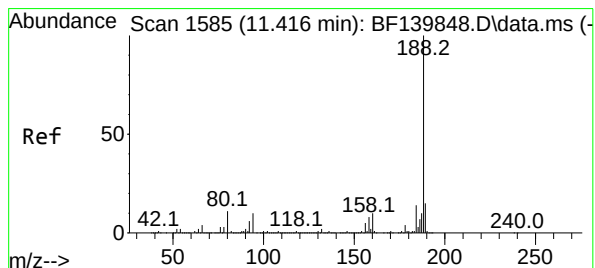
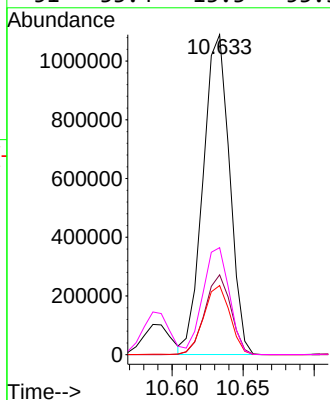
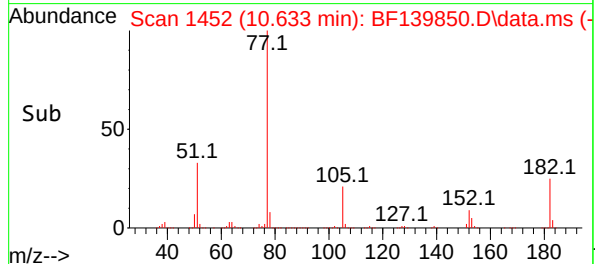
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC060



Tgt Ion: 77 Resp: 1415762  
Ion Ratio Lower Upper  
77 100  
182 24.9 3.3 43.3  
105 21.6 1.2 41.2  
51 33.4 13.3 53.3

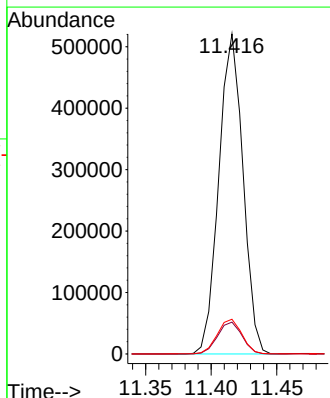
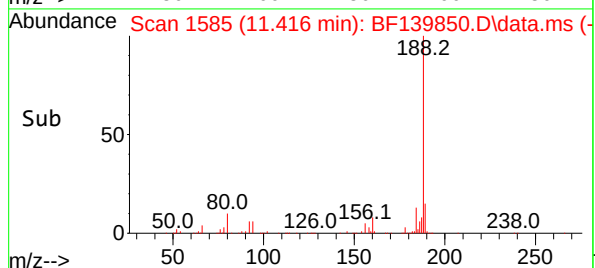
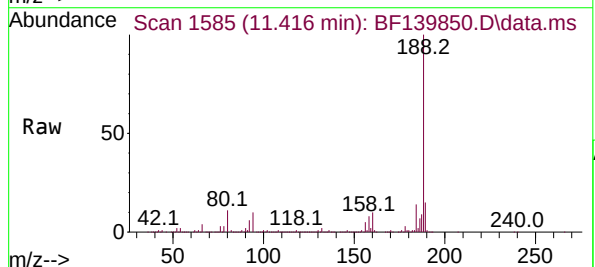
Manual Integrations  
APPROVED

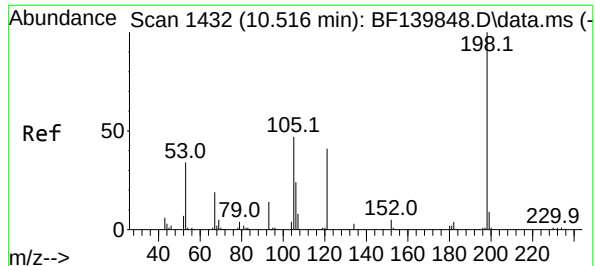
Reviewed By :Yogesh Patel 10/21/2024  
Supervised By :mohammad ahmed 10/21/2024



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.416 min Scan# 1585  
Delta R.T. 0.000 min  
Lab File: BF139850.D  
Acq: 18 Oct 2024 13:17

Tgt Ion:188 Resp: 667372  
Ion Ratio Lower Upper  
188 100  
94 10.0 7.9 11.9  
80 10.9 9.0 13.4





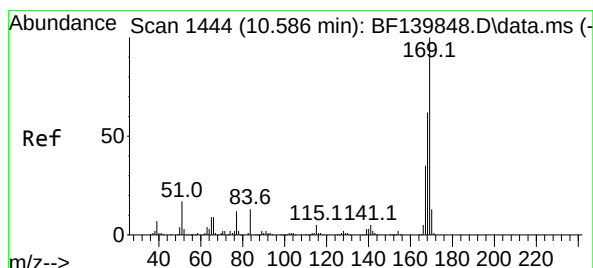
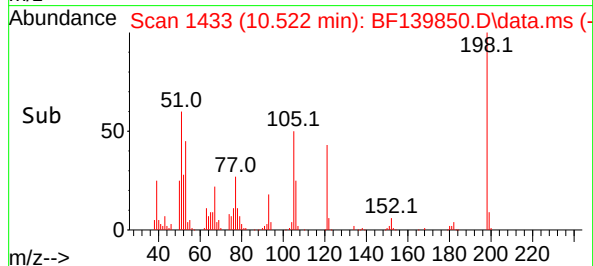
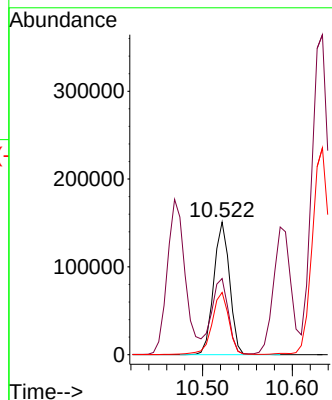
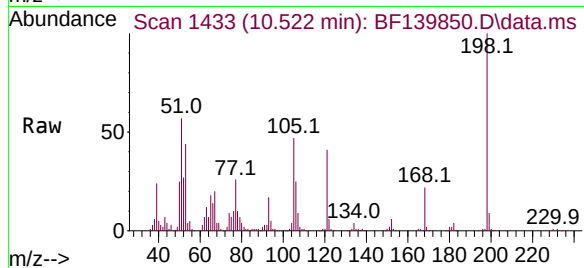
#65  
4,6-Dinitro-2-methylphenol  
Concen: 67.951 ng  
RT: 10.522 min Scan# 1433  
Delta R.T. 0.006 min  
Lab File: BF139850.D  
Acq: 18 Oct 2024 13:17

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC060

Tgt Ion:198 Resp: 184974  
Ion Ratio Lower Upper  
198 100  
51 57.4 38.2 78.2  
105 47.0 27.9 67.9

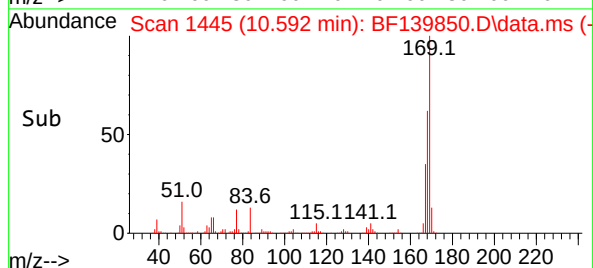
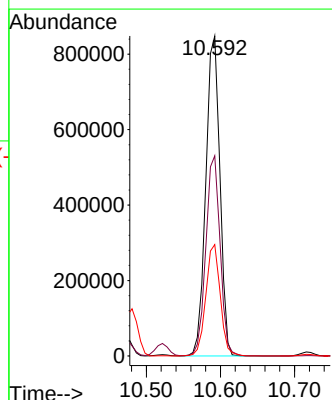
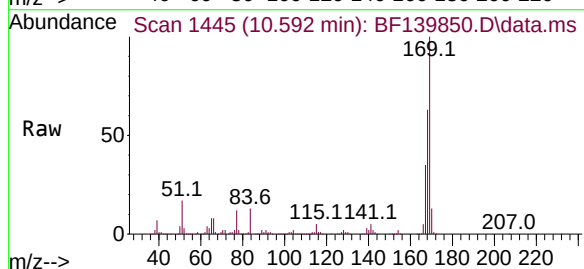
Manual Integrations  
APPROVED

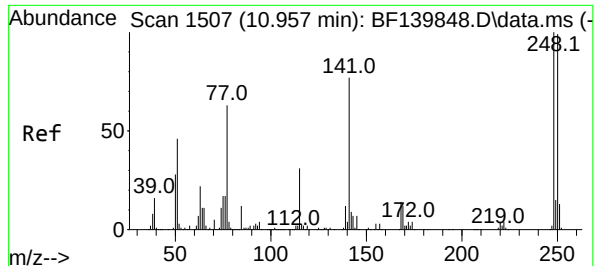
Reviewed By :Yogesh Patel 10/21/2024  
Supervised By :mohammad ahmed 10/21/2024



#66  
n-Nitrosodiphenylamine  
Concen: 56.214 ng  
RT: 10.592 min Scan# 1445  
Delta R.T. 0.006 min  
Lab File: BF139850.D  
Acq: 18 Oct 2024 13:17

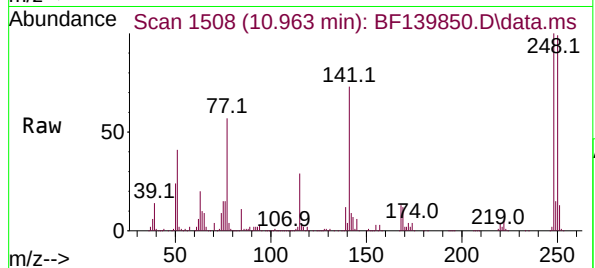
Tgt Ion:169 Resp: 1122831  
Ion Ratio Lower Upper  
169 100  
168 62.5 49.8 74.6  
167 34.8 28.0 42.0





#67  
4-Bromophenyl-phenylether  
Concen: 57.100 ng  
RT: 10.963 min Scan# 1507  
Delta R.T. 0.006 min  
Lab File: BF139850.D  
Acq: 18 Oct 2024 13:17

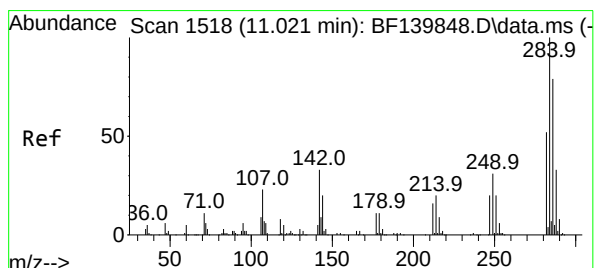
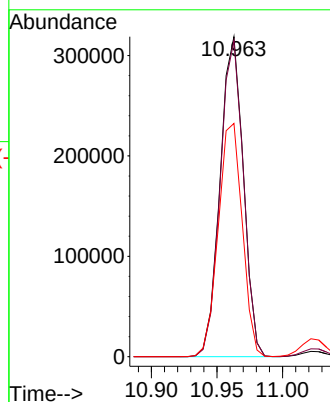
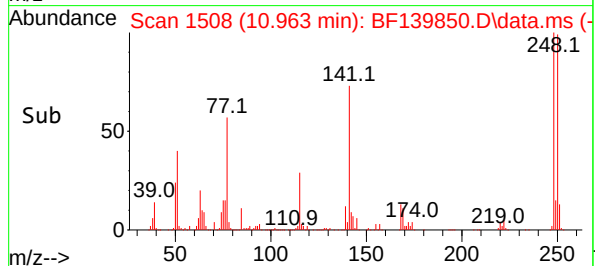
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC060



Tgt Ion:248 Resp: 392570  
Ion Ratio Lower Upper  
248 100  
250 98.7 79.0 118.6  
141 72.9 61.7 92.5

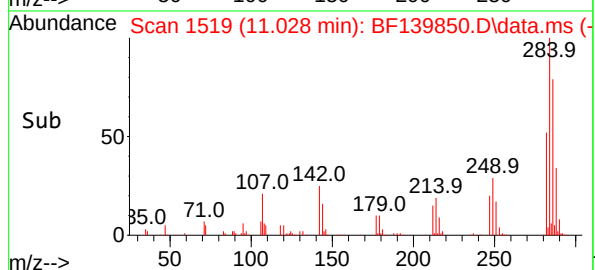
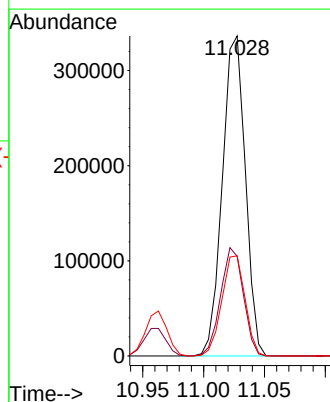
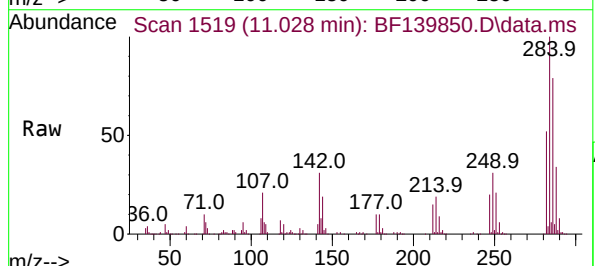
Manual Integrations  
APPROVED

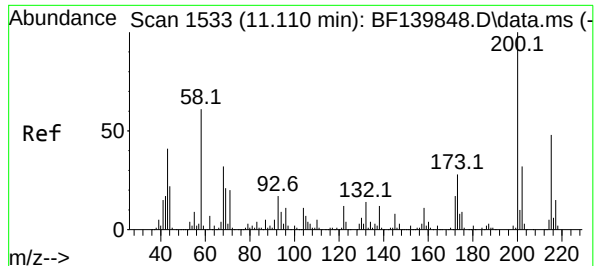
Reviewed By :Yogesh Patel 10/21/2024  
Supervised By :mohammad ahmed 10/21/2024



#68  
Hexachlorobenzene  
Concen: 57.187 ng  
RT: 11.028 min Scan# 1519  
Delta R.T. 0.006 min  
Lab File: BF139850.D  
Acq: 18 Oct 2024 13:17

Tgt Ion:284 Resp: 442187  
Ion Ratio Lower Upper  
284 100  
142 31.2 26.9 40.3  
249 31.3 25.3 37.9





#69

Atrazine

Concen: 56.767 ng

RT: 11.116 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF139850.D

Acq: 18 Oct 2024 13:17

Instrument :

BNA\_F

ClientSampleId :

SSTDIC060

Tgt Ion:200 Resp: 307149

Ion Ratio Lower Upper

200 100

173 27.1 7.7 47.7

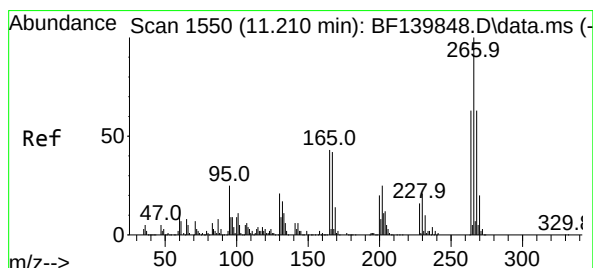
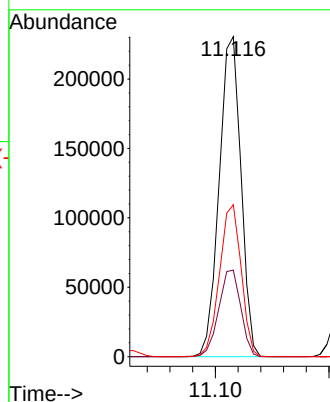
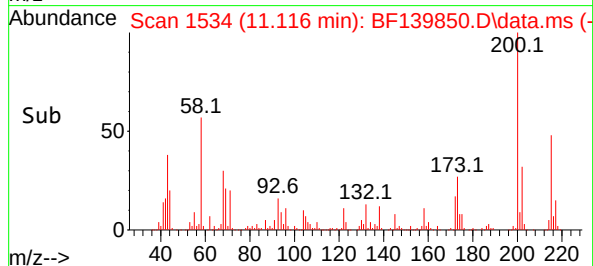
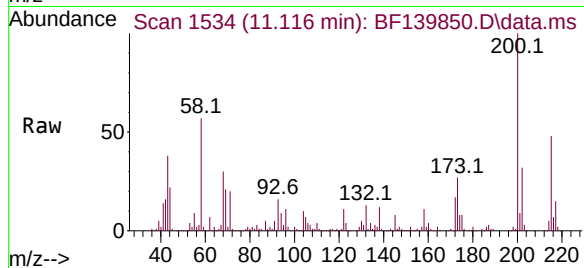
215 47.5 27.7 67.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#70

Pentachlorophenol

Concen: 61.587 ng

RT: 11.216 min Scan# 1551

Delta R.T. 0.006 min

Lab File: BF139850.D

Acq: 18 Oct 2024 13:17

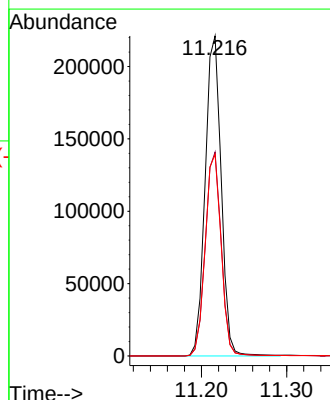
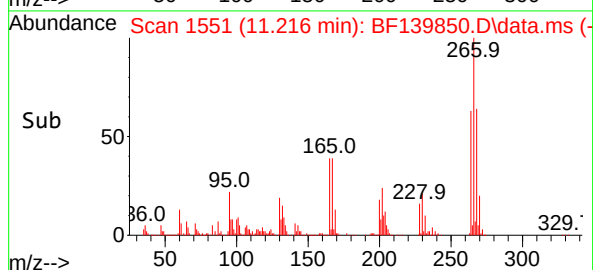
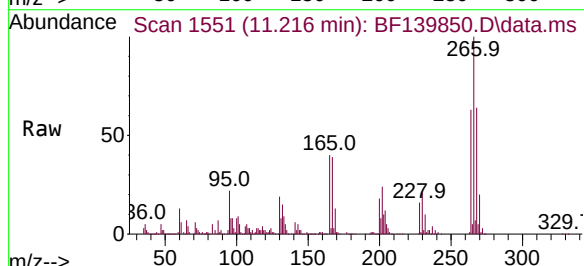
Tgt Ion:266 Resp: 289014

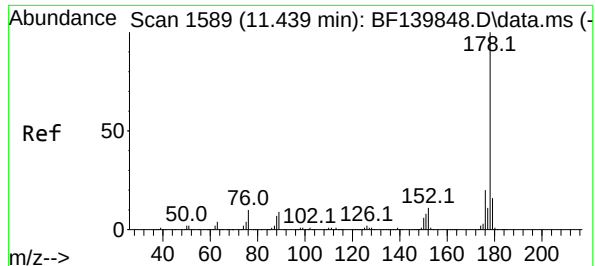
Ion Ratio Lower Upper

266 100

268 63.7 50.4 75.6

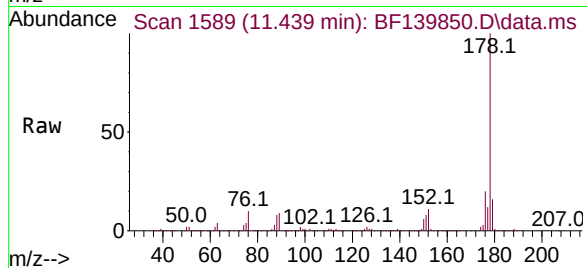
264 63.0 50.6 75.8





#71  
Phenanthrene  
Concen: 54.618 ng  
RT: 11.439 min Scan# 1589  
Delta R.T. 0.000 min  
Lab File: BF139850.D  
Acq: 18 Oct 2024 13:17

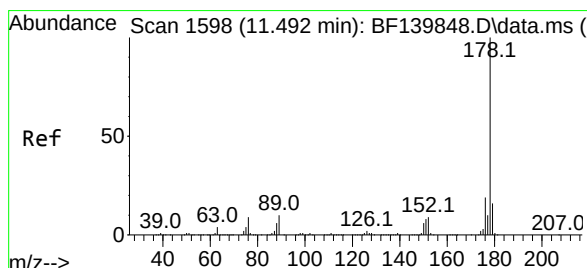
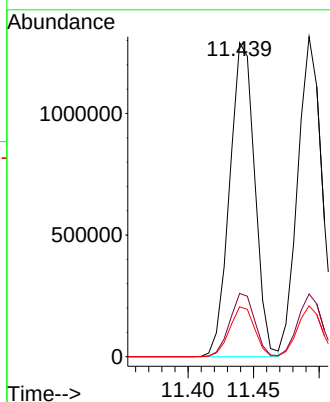
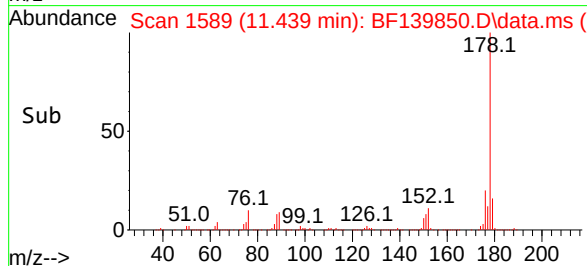
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC060



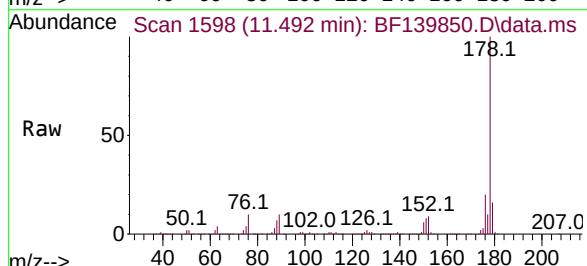
Tgt Ion:178 Resp: 172176  
Ion Ratio Lower Upper  
178 100  
176 20.1 15.8 23.6  
179 15.9 12.6 18.8

Manual Integrations  
APPROVED

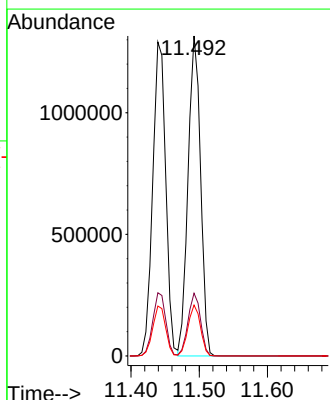
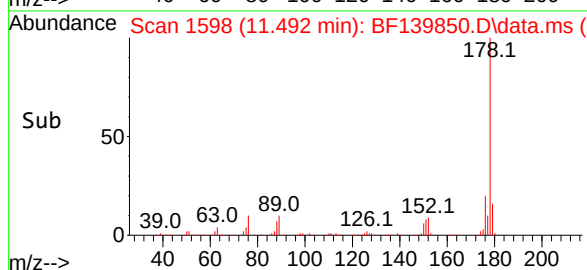
Reviewed By :Yogesh Patel 10/21/2024  
Supervised By :mohammad ahmed 10/21/2024

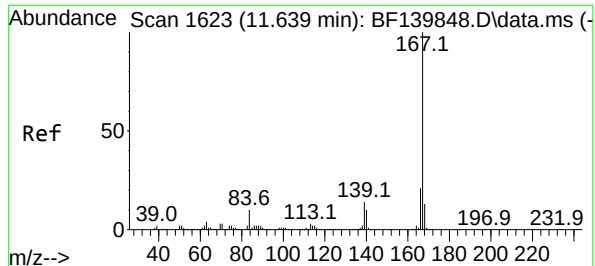


#72  
Anthracene  
Concen: 54.206 ng  
RT: 11.492 min Scan# 1598  
Delta R.T. 0.000 min  
Lab File: BF139850.D  
Acq: 18 Oct 2024 13:17



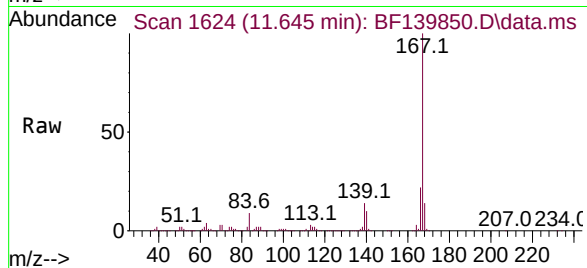
Tgt Ion:178 Resp: 1667221  
Ion Ratio Lower Upper  
178 100  
176 19.6 15.3 22.9  
179 15.9 12.4 18.6





#73  
Carbazole  
Concen: 54.015 ng  
RT: 11.645 min Scan# 1624  
Delta R.T. 0.006 min  
Lab File: BF139850.D  
Acq: 18 Oct 2024 13:17

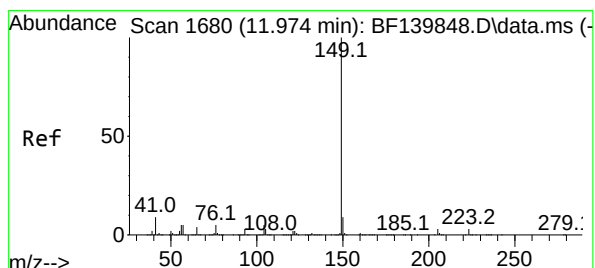
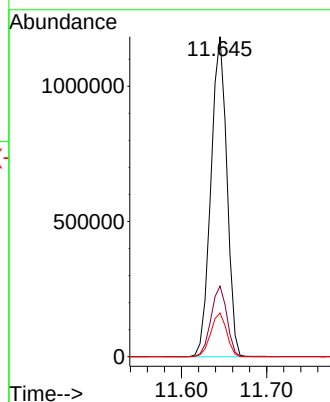
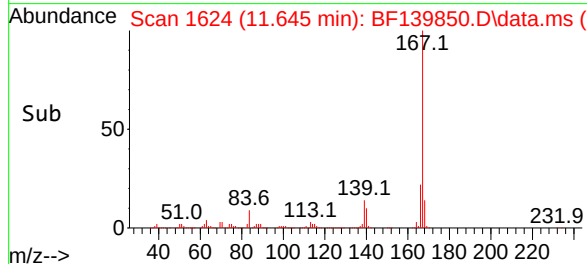
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC060



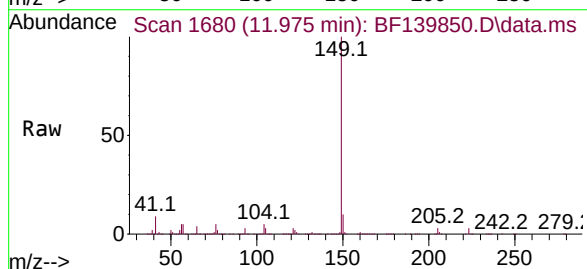
Tgt Ion:167 Resp: 1545085  
Ion Ratio Lower Upper  
167 100  
166 22.1 17.0 25.6  
139 13.7 10.8 16.2

Manual Integrations  
APPROVED

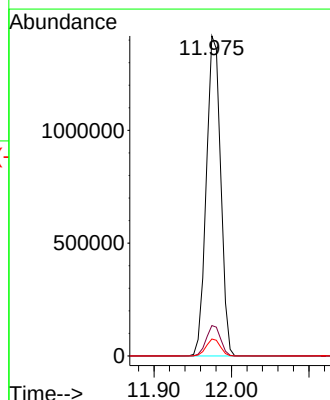
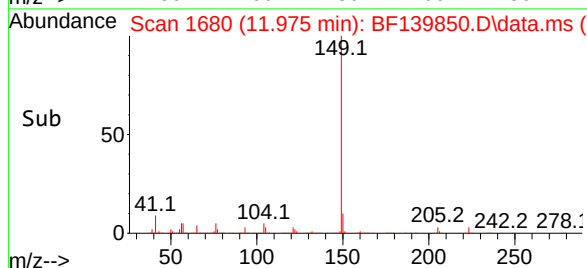
Reviewed By :Yogesh Patel 10/21/2024  
Supervised By :mohammad ahmed 10/21/2024

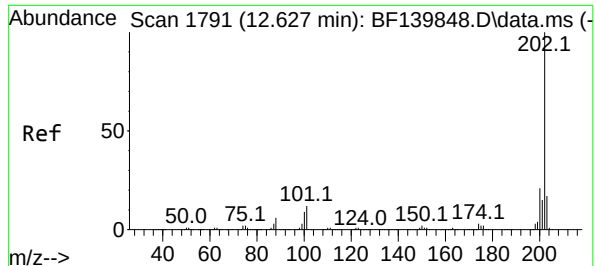


#74  
Di-n-butylphthalate  
Concen: 55.069 ng  
RT: 11.975 min Scan# 1680  
Delta R.T. 0.000 min  
Lab File: BF139850.D  
Acq: 18 Oct 2024 13:17



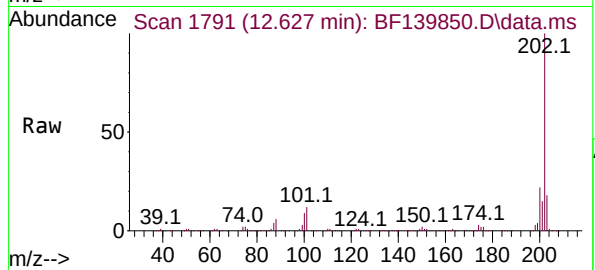
Tgt Ion:149 Resp: 1819929  
Ion Ratio Lower Upper  
149 100  
150 9.5 7.5 11.3  
104 5.3 4.1 6.1





#75  
Fluoranthene  
Concen: 52.448 ng  
RT: 12.627 min Scan# 1791  
Delta R.T. 0.000 min  
Lab File: BF139850.D  
Acq: 18 Oct 2024 13:17

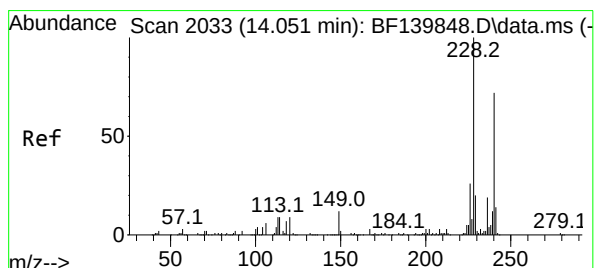
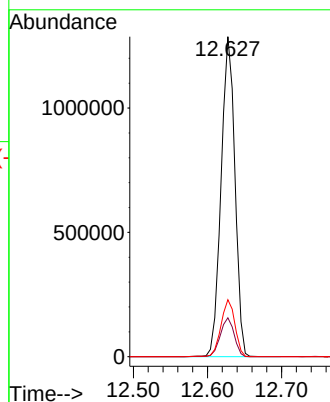
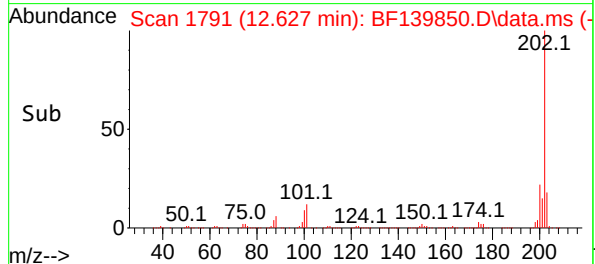
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC060



Tgt Ion:202 Resp: 1671409  
Ion Ratio Lower Upper  
202 100  
101 12.1 0.0 31.9  
203 17.8 0.0 37.5

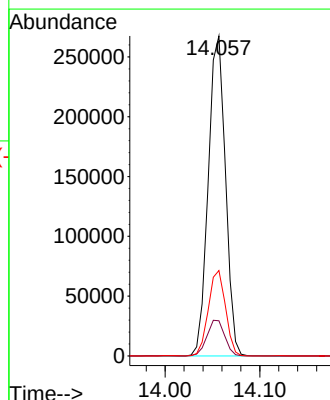
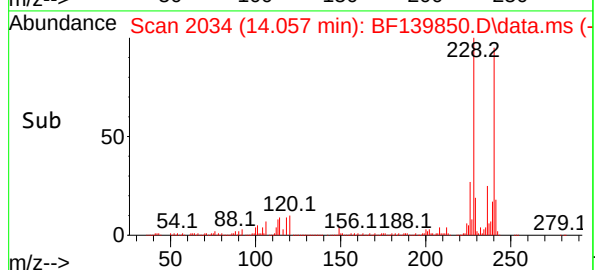
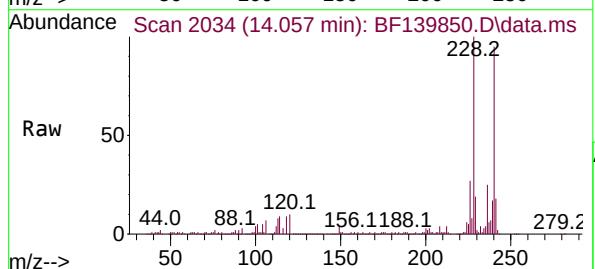
Manual Integrations  
APPROVED

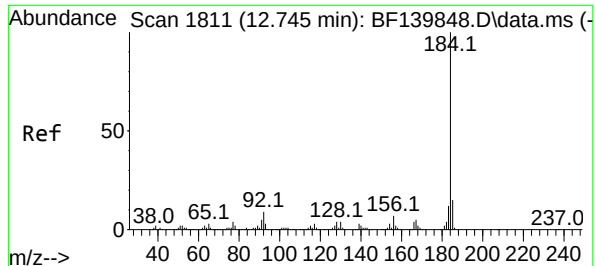
Reviewed By :Yogesh Patel 10/21/2024  
Supervised By :mohammad ahmed 10/21/2024



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.057 min Scan# 2034  
Delta R.T. 0.006 min  
Lab File: BF139850.D  
Acq: 18 Oct 2024 13:17

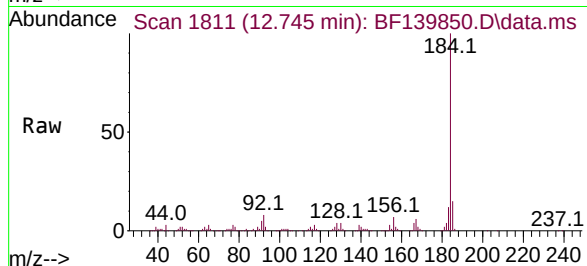
Tgt Ion:240 Resp: 337032  
Ion Ratio Lower Upper  
240 100  
120 11.0 9.4 14.2  
236 26.7 20.9 31.3





#77  
Benzidine  
Concen: 37.499 ng  
RT: 12.745 min Scan# 1811  
Delta R.T. 0.000 min  
Lab File: BF139850.D  
Acq: 18 Oct 2024 13:17

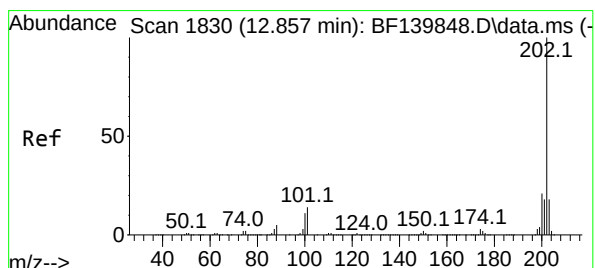
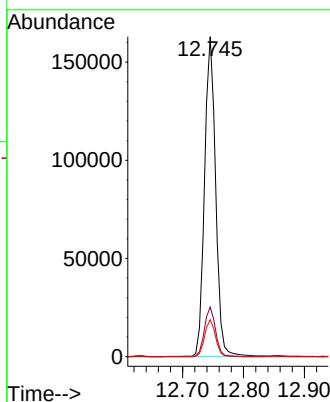
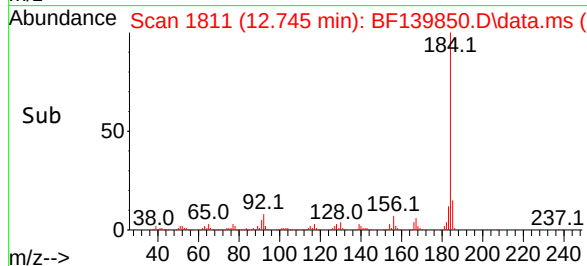
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC060



Tgt Ion:184 Resp: 205548  
Ion Ratio Lower Upper  
184 100  
185 15.5 12.0 18.0  
183 11.5 9.4 14.2

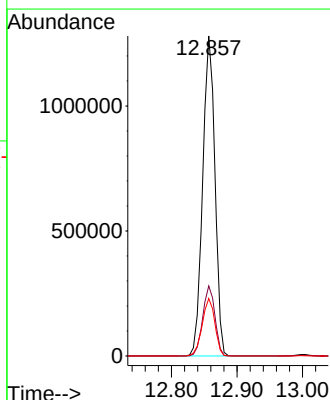
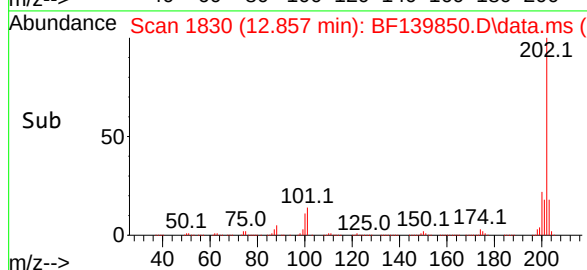
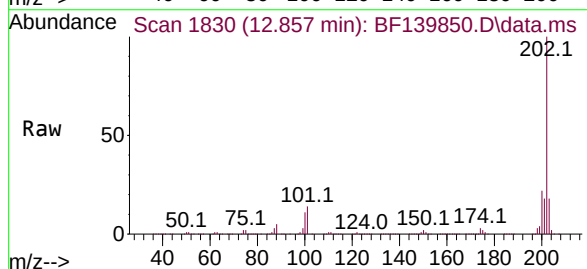
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 10/21/2024  
Supervised By :mohammad ahmed 10/21/2024

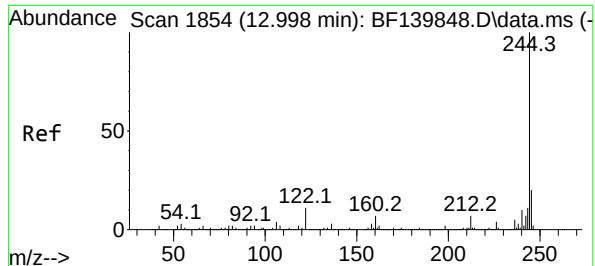


#78  
Pyrene  
Concen: 56.522 ng  
RT: 12.857 min Scan# 1830  
Delta R.T. 0.000 min  
Lab File: BF139850.D  
Acq: 18 Oct 2024 13:17

Tgt Ion:202 Resp: 1667489  
Ion Ratio Lower Upper  
202 100  
200 21.9 17.2 25.8  
203 18.0 14.2 21.4

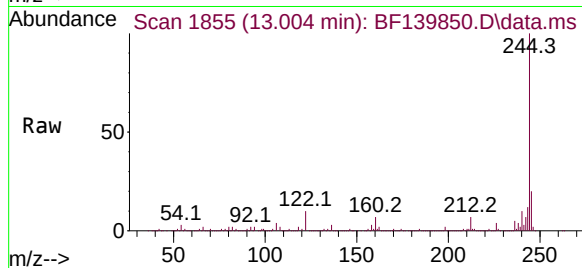






#79  
Terphenyl-d14  
Concen: 109.563 ng  
RT: 13.004 min Scan# 1855  
Delta R.T. 0.006 min  
Lab File: BF139850.D  
Acq: 18 Oct 2024 13:17

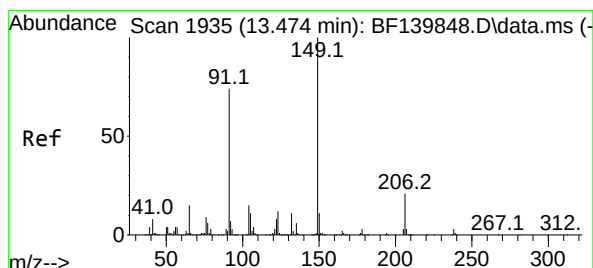
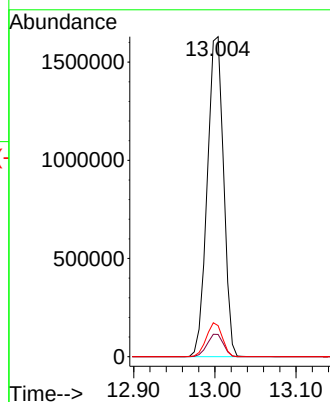
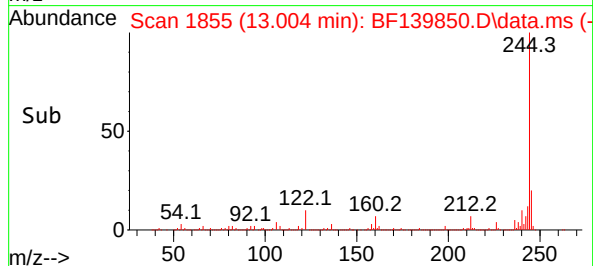
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC060



Tgt Ion:244 Resp: 226612  
Ion Ratio Lower Upper  
244 100  
212 7.0 5.7 8.5  
122 9.7 8.6 13.0

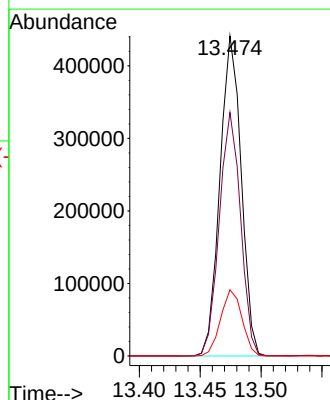
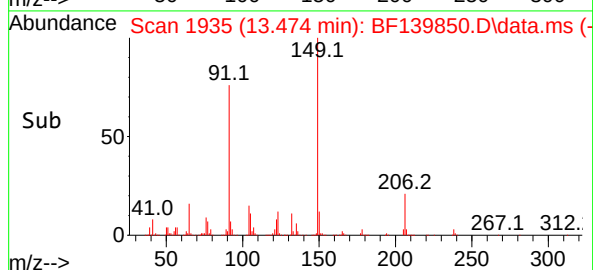
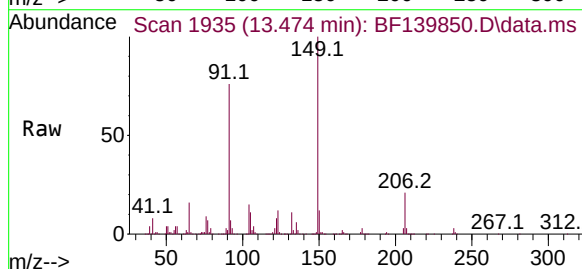
Manual Integrations  
APPROVED

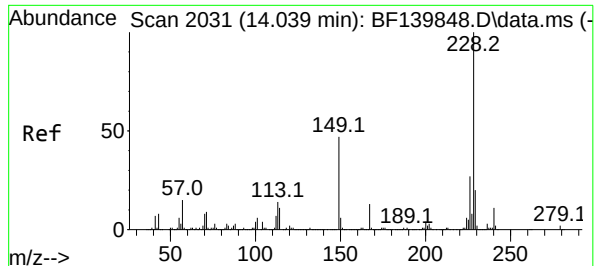
Reviewed By :Yogesh Patel 10/21/2024  
Supervised By :mohammad ahmed 10/21/2024



#80  
Butylbenzylphthalate  
Concen: 60.719 ng  
RT: 13.474 min Scan# 1935  
Delta R.T. 0.000 min  
Lab File: BF139850.D  
Acq: 18 Oct 2024 13:17

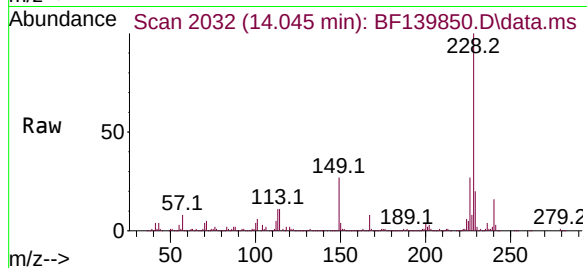
Tgt Ion:149 Resp: 537039  
Ion Ratio Lower Upper  
149 100  
91 76.1 59.4 89.2  
206 20.7 16.4 24.6





#81  
Benzo(a)anthracene  
Concen: 56.992 ng  
RT: 14.045 min Scan# 2031  
Delta R.T. 0.006 min  
Lab File: BF139850.D  
Acq: 18 Oct 2024 13:17

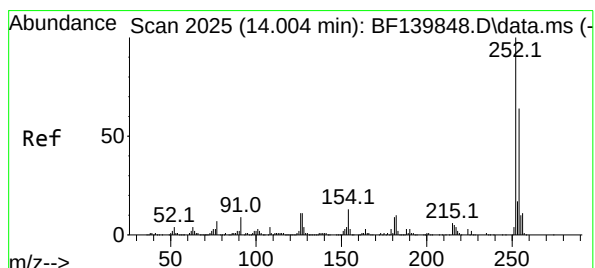
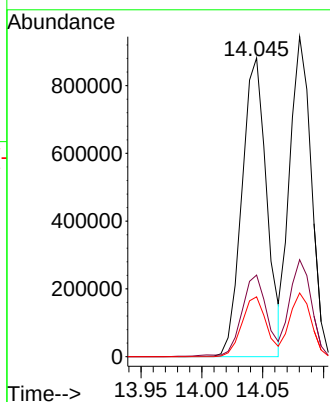
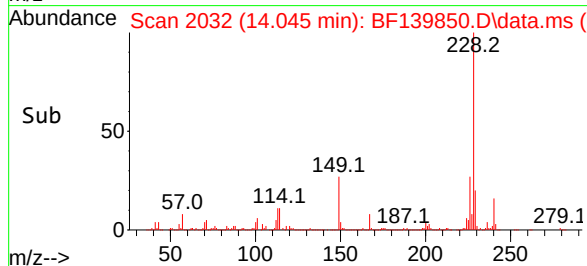
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC060



Tgt Ion:228 Resp: 125038  
Ion Ratio Lower Upper  
228 100  
226 27.3 21.6 32.4  
229 20.0 16.1 24.1

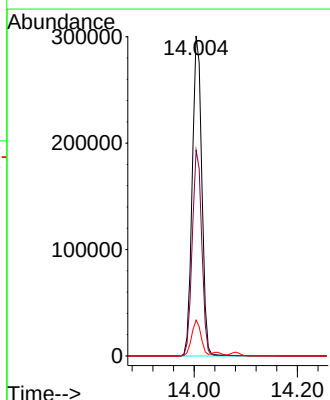
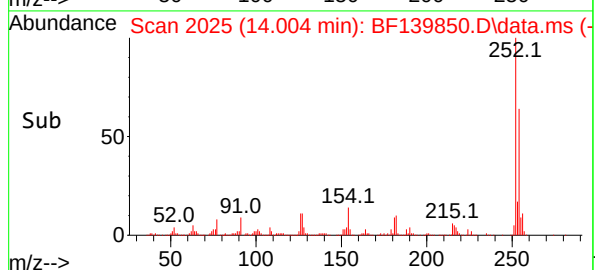
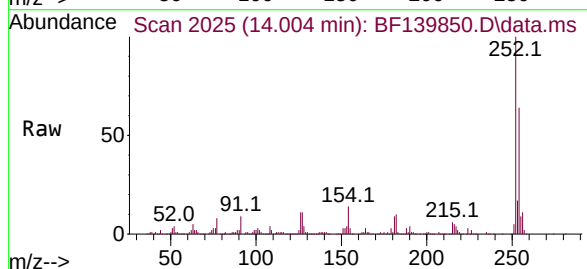
Manual Integrations  
APPROVED

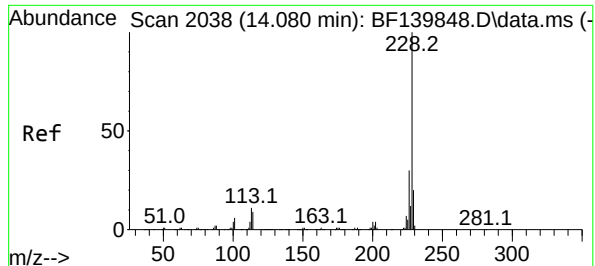
Reviewed By :Yogesh Patel 10/21/2024  
Supervised By :mohammad ahmed 10/21/2024



#82  
3,3'-Dichlorobenzidine  
Concen: 60.353 ng  
RT: 14.004 min Scan# 2025  
Delta R.T. 0.000 min  
Lab File: BF139850.D  
Acq: 18 Oct 2024 13:17

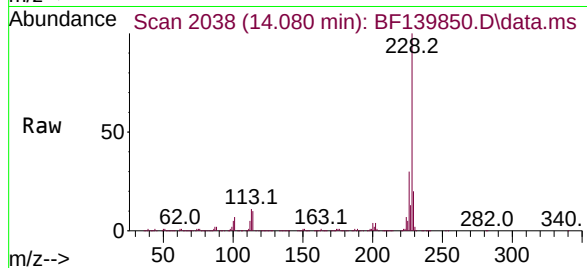
Tgt Ion:252 Resp: 386072  
Ion Ratio Lower Upper  
252 100  
254 64.3 50.8 76.2  
126 11.2 8.9 13.3





#83  
Chrysene  
Concen: 57.855 ng  
RT: 14.080 min Scan# 2038  
Delta R.T. 0.000 min  
Lab File: BF139850.D  
Acq: 18 Oct 2024 13:17

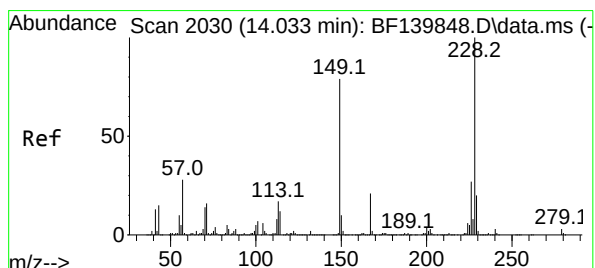
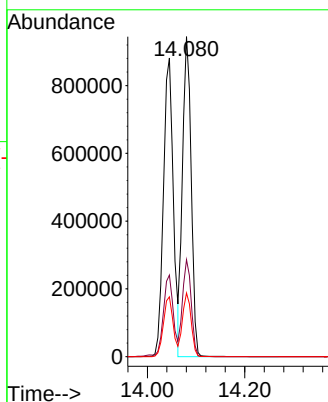
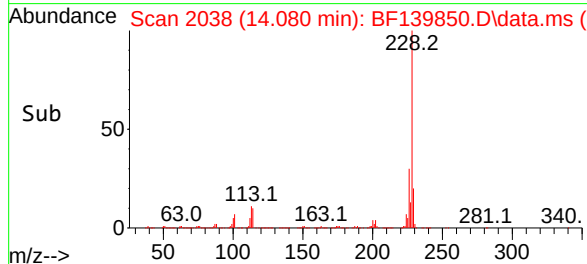
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC060



Tgt Ion:228 Resp: 1163808  
Ion Ratio Lower Upper  
228 100  
226 30.3 24.1 36.1  
229 19.9 15.8 23.6

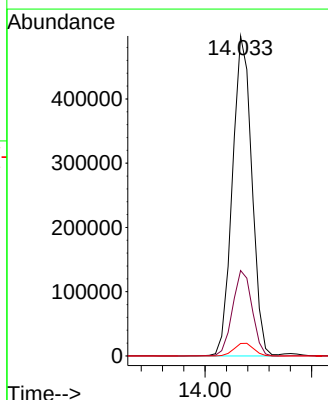
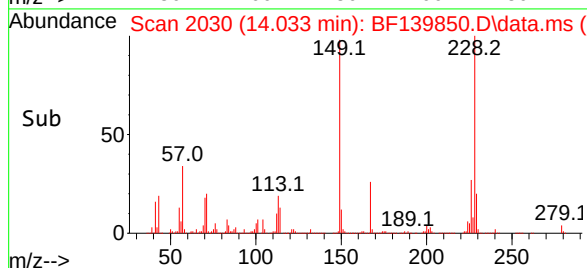
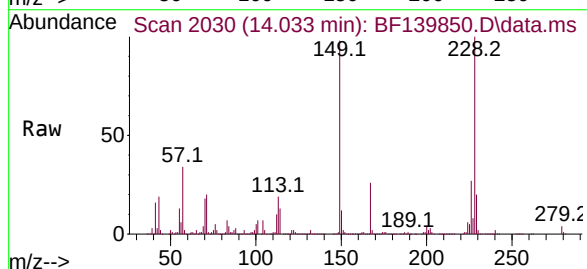
Manual Integrations  
APPROVED

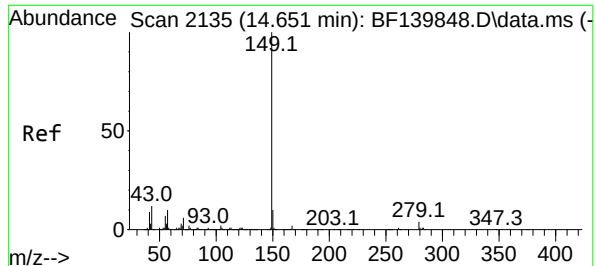
Reviewed By :Yogesh Patel 10/21/2024  
Supervised By :mohammad ahmed 10/21/2024



#84  
Bis(2-ethylhexyl)phthalate  
Concen: 63.749 ng  
RT: 14.033 min Scan# 2030  
Delta R.T. 0.000 min  
Lab File: BF139850.D  
Acq: 18 Oct 2024 13:17

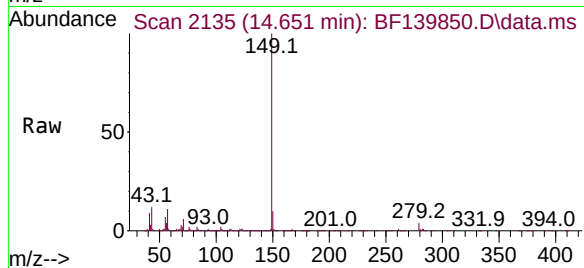
Tgt Ion:149 Resp: 632594  
Ion Ratio Lower Upper  
149 100  
167 26.7 21.4 32.0  
279 3.9 3.0 4.4





#85  
Di-n-octyl phthalate  
Concen: 67.634 ng  
RT: 14.651 min Scan# 2135  
Delta R.T. -0.000 min  
Lab File: BF139850.D  
Acq: 18 Oct 2024 13:17

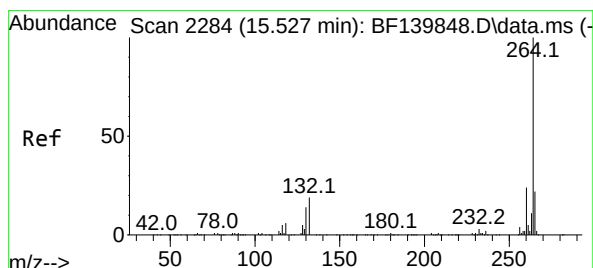
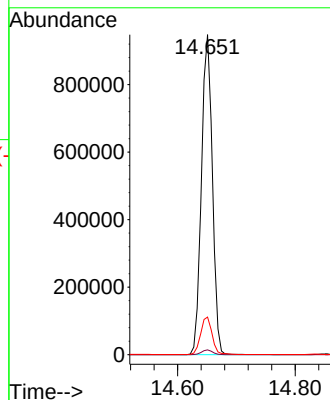
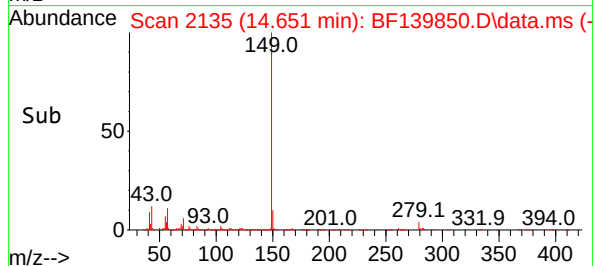
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC060



Tgt Ion:149 Resp: 122073  
Ion Ratio Lower Upper  
149 100  
167 1.5 1.2 1.8  
43 12.3 9.8 14.6

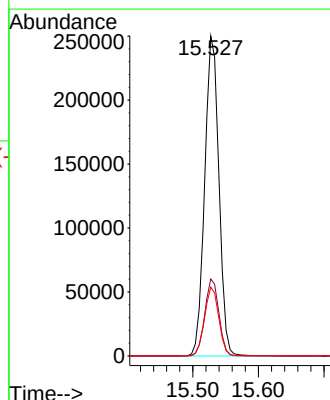
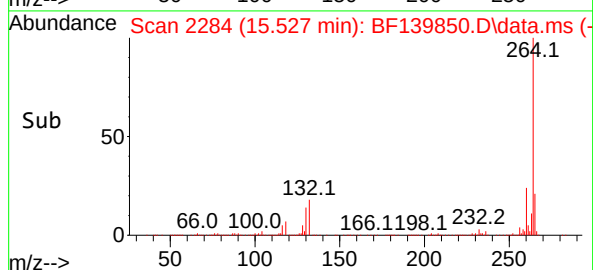
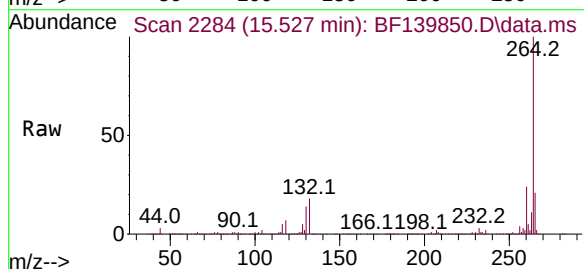
Manual Integrations  
APPROVED

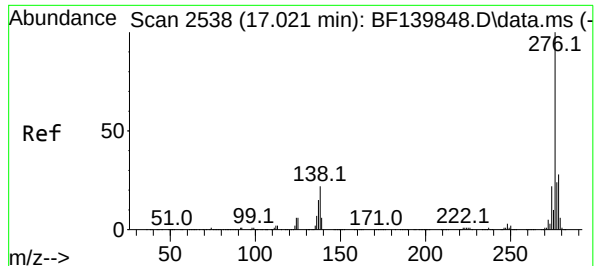
Reviewed By :Yogesh Patel 10/21/2024  
Supervised By :mohammad ahmed 10/21/2024



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.527 min Scan# 2284  
Delta R.T. 0.000 min  
Lab File: BF139850.D  
Acq: 18 Oct 2024 13:17

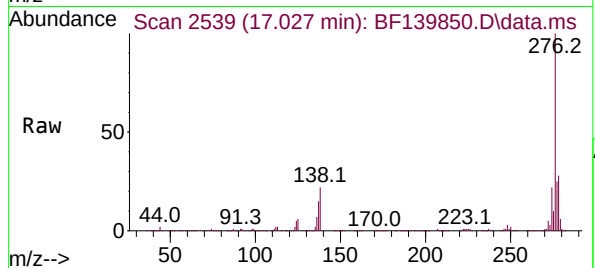
Tgt Ion:264 Resp: 377203  
Ion Ratio Lower Upper  
264 100  
260 24.1 19.4 29.2  
265 21.5 17.4 26.0





#87  
Indeno(1,2,3-cd)pyrene  
Concen: 61.817 ng  
RT: 17.027 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: BF139850.D  
Acq: 18 Oct 2024 13:17

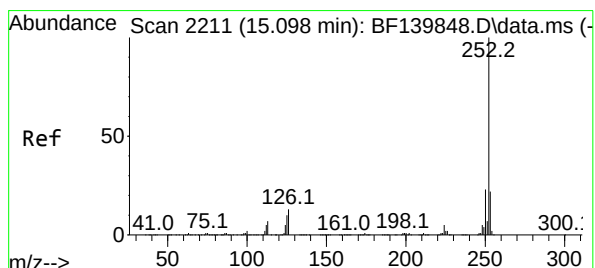
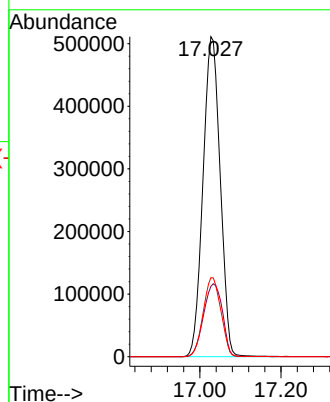
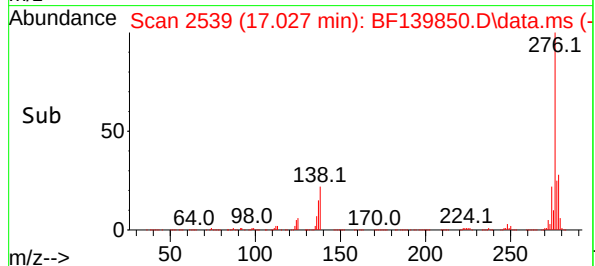
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC060



Tgt Ion: 276 Resp: 1500084  
Ion Ratio Lower Upper  
276 100  
138 25.0 20.4 30.6  
277 25.4 20.2 30.4

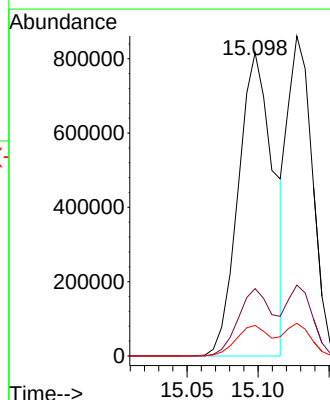
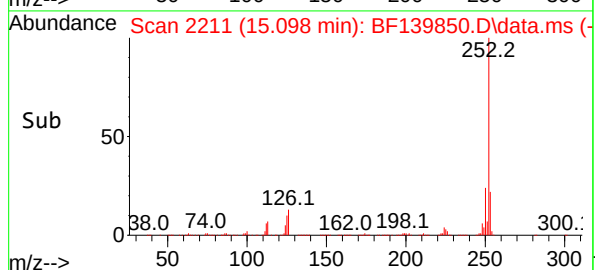
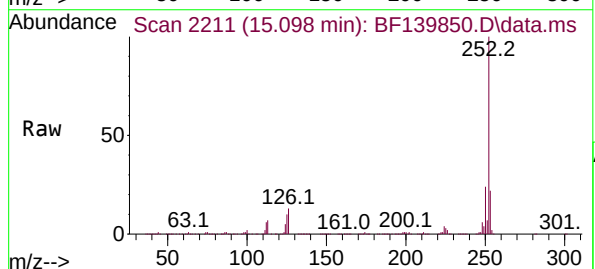
Manual Integrations  
APPROVED

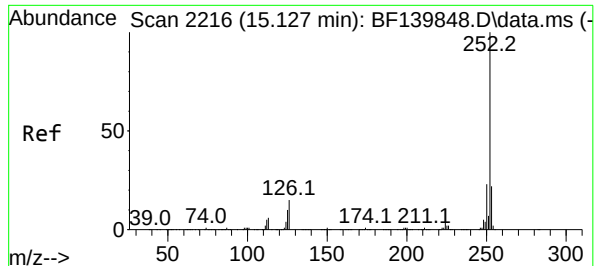
Reviewed By : Yogesh Patel 10/21/2024  
Supervised By : mohammad ahmed 10/21/2024



#88  
Benzo(b)fluoranthene  
Concen: 61.033 ng  
RT: 15.098 min Scan# 2211  
Delta R.T. 0.000 min  
Lab File: BF139850.D  
Acq: 18 Oct 2024 13:17

Tgt Ion: 252 Resp: 1402395  
Ion Ratio Lower Upper  
252 100  
253 22.2 17.6 26.4  
125 10.1 7.9 11.9





#89

Benzo(k)fluoranthene

Concen: 53.053 ng

RT: 15.127 min Scan# 2216

Delta R.T. 0.000 min

Lab File: BF139850.D

Acq: 18 Oct 2024 13:17

Instrument :

BNA\_F

ClientSampleId :

SSTDICC060

Tgt Ion:252 Resp: 105130

Ion Ratio Lower Upper

252 100

253 22.2 17.6 26.4

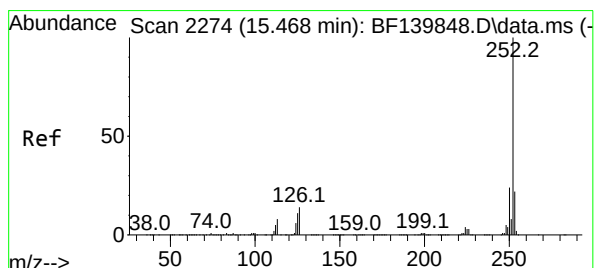
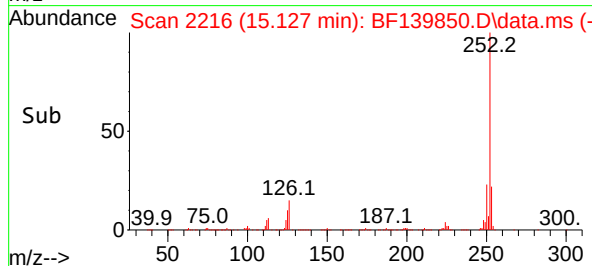
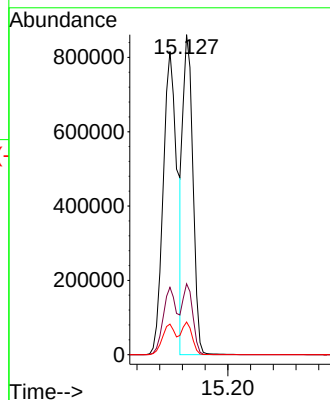
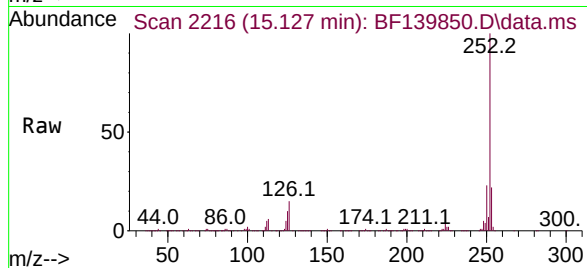
125 10.2 7.9 11.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#90

Benzo(a)pyrene

Concen: 59.764 ng

RT: 15.468 min Scan# 2274

Delta R.T. 0.000 min

Lab File: BF139850.D

Acq: 18 Oct 2024 13:17

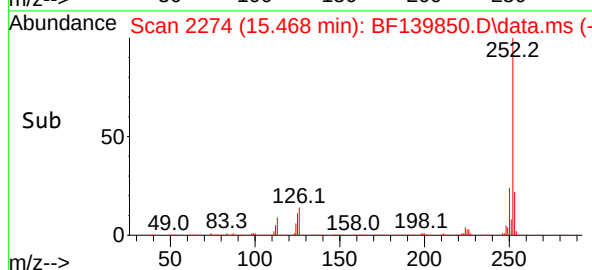
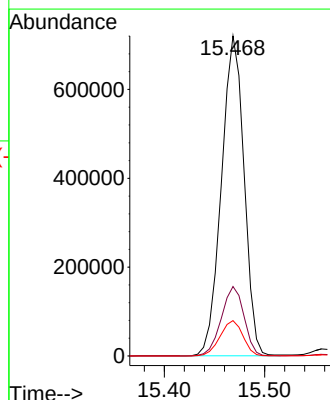
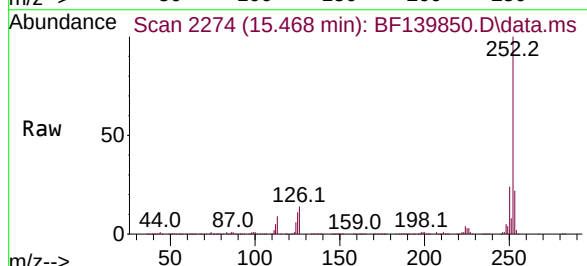
Tgt Ion:252 Resp: 1129942

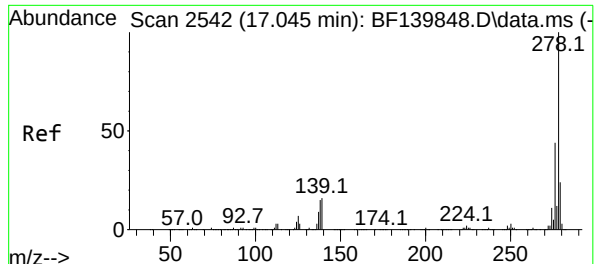
Ion Ratio Lower Upper

252 100

253 21.7 17.3 25.9

125 11.0 8.7 13.1





#91

Dibenzo(a,h)anthracene

Concen: 60.667 ng

RT: 17.051 min Scan# 2543

Delta R.T. 0.006 min

Lab File: BF139850.D

Acq: 18 Oct 2024 13:17

Instrument :

BNA\_F

ClientSampleId :

SSTDICC060

Tgt Ion:278 Resp: 1228124

Ion Ratio Lower Upper

278 100

139 16.0 13.1 19.7

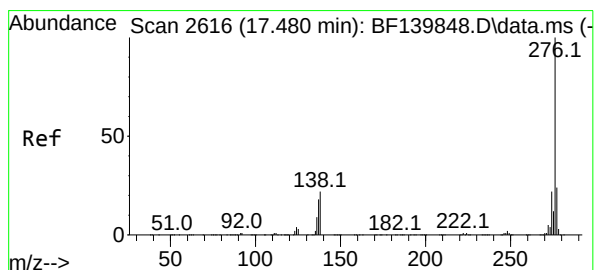
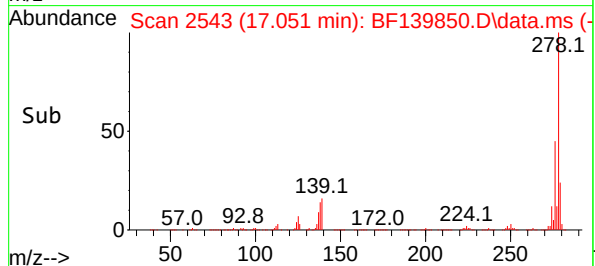
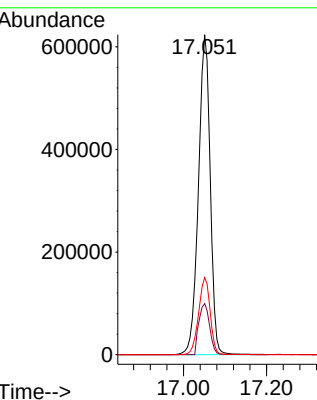
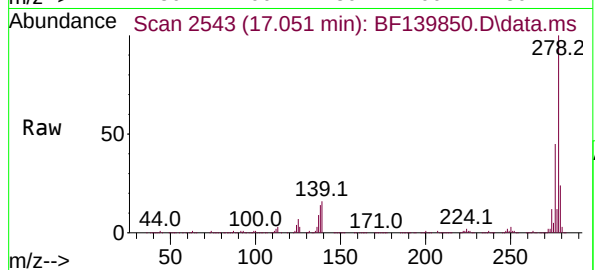
279 24.1 19.0 28.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#92

Benzo(g,h,i)perylene

Concen: 61.272 ng

RT: 17.486 min Scan# 2617

Delta R.T. 0.006 min

Lab File: BF139850.D

Acq: 18 Oct 2024 13:17

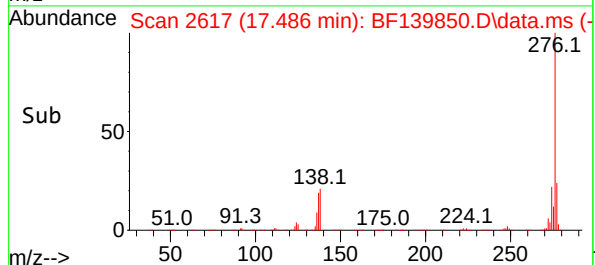
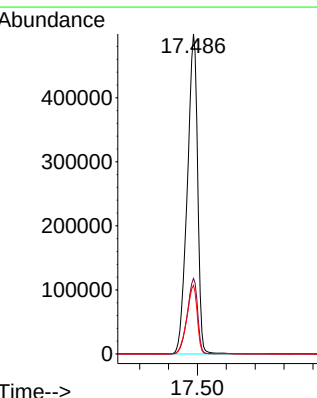
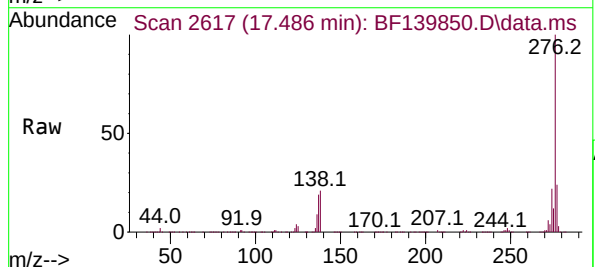
Tgt Ion:276 Resp: 1238955

Ion Ratio Lower Upper

276 100

277 23.6 19.0 28.6

138 21.4 17.4 26.0



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF101824\  
 Data File : BF139851.D  
 Acq On : 18 Oct 2024 13:46  
 Operator : RC/JU  
 Sample : SSTDICC080  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

## Instrument :

BNA\_F

## ClientSampleId :

SSTDICC080

## Manual Integrations

## APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024

Quant Time: Oct 18 14:21:12 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101824.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Oct 18 14:11:20 2024

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.892  | 152  | 187399   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.175  | 136  | 693285   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.933  | 164  | 377723   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.416 | 188  | 633721   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.057 | 240  | 323513   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.533 | 264  | 374491   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.504  | 112  | 1657822  | 138.491 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.522  | 99   | 2147173  | 138.492 | ng    | 0.01     |
| 23) Nitrobenzene-d5           | 7.463  | 82   | 1897374  | 151.683 | ng    | 0.01     |
| 42) 2,4,6-Tribromophenol      | 10.722 | 330  | 522350   | 147.845 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.251  | 172  | 2941186  | 128.689 | ng    | 0.00     |
| 79) Terphenyl-d14             | 13.004 | 244  | 2634676  | 132.704 | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.693  | 88   | 410806   | 73.604  | ng    | 99       |
| 3) Pyridine                   | 3.452  | 79   | 993777   | 71.834  | ng    | 99       |
| 4) n-Nitrosodimethylamine     | 3.422  | 42   | 567647   | 76.370  | ng    | 98       |
| 6) Aniline                    | 6.598  | 93   | 992375m  | 68.680  | ng    |          |
| 8) 2-Chlorophenol             | 6.681  | 128  | 836233   | 68.333  | ng    | 98       |
| 9) Benzaldehyde               | 6.445  | 77   | 554983   | 63.632  | ng    | 99       |
| 10) Phenol                    | 6.534  | 94   | 1125558  | 69.172  | ng    | 95       |
| 11) bis(2-Chloroethyl)ether   | 6.634  | 93   | 886786   | 71.780  | ng    | 99       |
| 12) 1,3-Dichlorobenzene       | 6.834  | 146  | 969627   | 69.024  | ng    | 98       |
| 13) 1,4-Dichlorobenzene       | 6.910  | 146  | 968088   | 68.978  | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 7.069  | 146  | 861333   | 65.758  | ng    | 99       |
| 15) Benzyl Alcohol            | 7.034  | 79   | 803101   | 70.616  | ng    | 98       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.169  | 45   | 1472196  | 69.886  | ng    | 99       |
| 17) 2-Methylphenol            | 7.140  | 107  | 752459   | 72.109  | ng    | 99       |
| 18) Hexachloroethane          | 7.410  | 117  | 357637   | 71.459  | ng    | 97       |
| 19) n-Nitroso-di-n-propyla... | 7.316  | 70   | 651048   | 69.238  | ng    | 99       |
| 20) 3+4-Methylphenols         | 7.298  | 107  | 878987   | 65.856  | ng    | # 85     |
| 22) Acetophenone              | 7.310  | 105  | 1149288  | 67.682  | ng    | 98       |
| 24) Nitrobenzene              | 7.481  | 77   | 1025571  | 74.779  | ng    | 99       |
| 25) Isophorone                | 7.722  | 82   | 1767234  | 74.436  | ng    | 100      |
| 26) 2-Nitrophenol             | 7.792  | 139  | 434755   | 84.029  | ng    | 99       |
| 27) 2,4-Dimethylphenol        | 7.822  | 122  | 619136   | 71.765  | ng    | 99       |
| 28) bis(2-Chloroethoxy)met... | 7.928  | 93   | 1022457  | 71.081  | ng    | 100      |
| 29) 2,4-Dichlorophenol        | 8.028  | 162  | 711892   | 72.445  | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 8.116  | 180  | 774108   | 71.194  | ng    | 99       |
| 31) Naphthalene               | 8.198  | 128  | 2427578  | 67.894  | ng    | 99       |
| 32) Benzoic acid              | 7.963  | 122  | 651887   | 86.634  | ng    | 99       |
| 33) 4-Chloroaniline           | 8.251  | 127  | 849601   | 69.684  | ng    | 99       |
| 34) Hexachlorobutadiene       | 8.316  | 225  | 490203   | 71.753  | ng    | 99       |
| 35) Caprolactam               | 8.634  | 113  | 239184   | 76.550  | ng    | 99       |
| 36) 4-Chloro-3-methylphenol   | 8.722  | 107  | 794640   | 73.031  | ng    | 99       |
| 37) 2-Methylnaphthalene       | 8.886  | 142  | 1487841  | 67.944  | ng    | 100      |
| 38) 1-Methylnaphthalene       | 8.986  | 142  | 1457890  | 67.858  | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 9.051  | 216  | 712936   | 69.962  | ng    | 100      |
| 41) Hexachlorocyclopentadiene | 9.039  | 237  | 256007   | 72.201  | ng    | 100      |
| 43) 2,4,6-Trichlorophenol     | 9.163  | 196  | 535533   | 74.228  | ng    | 99       |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF101824\  
 Data File : BF139851.D  
 Acq On : 18 Oct 2024 13:46  
 Operator : RC/JU  
 Sample : SSTDICC080  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDICC080

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 10/21/2024  
 Supervised By :mohammad ahmed 10/21/2024

Quant Time: Oct 18 14:21:12 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101824.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Oct 18 14:11:20 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.198  | 196  | 542663   | 72.904 | ng    | 99       |
| 46) 1,1'-Biphenyl             | 9.357  | 154  | 1753952  | 66.703 | ng    | 99       |
| 47) 2-Chloronaphthalene       | 9.381  | 162  | 1470012  | 69.411 | ng    | 99       |
| 48) 2-Nitroaniline            | 9.469  | 65   | 527552   | 81.447 | ng    | 99       |
| 49) Acenaphthylene            | 9.792  | 152  | 2106357  | 68.796 | ng    | 99       |
| 50) Dimethylphthalate         | 9.657  | 163  | 1676969  | 71.277 | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 9.716  | 165  | 393234   | 77.193 | ng    | 99       |
| 52) Acenaphthene              | 9.969  | 154  | 1378724  | 69.610 | ng    | 99       |
| 53) 3-Nitroaniline            | 9.886  | 138  | 387157   | 73.697 | ng    | 96       |
| 54) 2,4-Dinitrophenol         | 9.986  | 184  | 169167   | 79.932 | ng    | # 1      |
| 55) Dibenzofuran              | 10.139 | 168  | 1930402  | 67.930 | ng    | 99       |
| 56) 4-Nitrophenol             | 10.033 | 139  | 314170   | 77.732 | ng    | 99       |
| 57) 2,4-Dinitrotoluene        | 10.116 | 165  | 510703   | 81.523 | ng    | 97       |
| 58) Fluorene                  | 10.480 | 166  | 1426794  | 65.920 | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol | 10.251 | 232  | 424598   | 72.764 | ng    | 99       |
| 60) Diethylphthalate          | 10.357 | 149  | 1631842  | 70.641 | ng    | 100      |
| 61) 4-Chlorophenyl-phenyle... | 10.475 | 204  | 730565   | 66.837 | ng    | 100      |
| 62) 4-Nitroaniline            | 10.504 | 138  | 383383   | 77.270 | ng    | 98       |
| 63) Azobenzene                | 10.633 | 77   | 1727533  | 70.539 | ng    | 99       |
| 65) 4,6-Dinitro-2-methylph... | 10.528 | 198  | 235323   | 91.037 | ng    | 98       |
| 66) n-Nitrosodiphenylamine    | 10.592 | 169  | 1350839  | 71.220 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 10.963 | 248  | 477995   | 73.216 | ng    | 99       |
| 68) Hexachlorobenzene         | 11.028 | 284  | 536511   | 73.070 | ng    | 98       |
| 69) Atrazine                  | 11.116 | 200  | 382294   | 74.406 | ng    | 99       |
| 70) Pentachlorophenol         | 11.216 | 266  | 354105   | 79.464 | ng    | 99       |
| 71) Phenanthrene              | 11.445 | 178  | 2045577  | 68.336 | ng    | 100      |
| 72) Anthracene                | 11.492 | 178  | 1995750  | 68.333 | ng    | 99       |
| 73) Carbazole                 | 11.645 | 167  | 1818340  | 66.943 | ng    | 99       |
| 74) Di-n-butylphthalate       | 11.980 | 149  | 2153517  | 68.623 | ng    | 100      |
| 75) Fluoranthene              | 12.627 | 202  | 1955847  | 64.632 | ng    | 99       |
| 77) Benzidine                 | 12.745 | 184  | 318678   | 60.567 | ng    | 99       |
| 78) Pyrene                    | 12.857 | 202  | 1935829  | 68.360 | ng    | 99       |
| 80) Butylbenzylphthalate      | 13.474 | 149  | 664532   | 78.274 | ng    | 98       |
| 81) Benzo(a)anthracene        | 14.045 | 228  | 1512920  | 71.840 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 14.010 | 252  | 496976   | 80.937 | ng    | 98       |
| 83) Chrysene                  | 14.080 | 228  | 1424522  | 73.774 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 14.033 | 149  | 794387   | 83.399 | ng    | 99       |
| 85) Di-n-octyl phthalate      | 14.651 | 149  | 1534331  | 88.561 | ng    | 100      |
| 87) Indeno(1,2,3-cd)pyrene    | 17.033 | 276  | 1877616  | 77.935 | ng    | 99       |
| 88) Benzo(b)fluoranthene      | 15.098 | 252  | 1664856  | 72.980 | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 15.133 | 252  | 1419158  | 72.134 | ng    | 99       |
| 90) Benzo(a)pyrene            | 15.474 | 252  | 1419026  | 75.598 | ng    | 100      |
| 91) Dibenzo(a,h)anthracene    | 17.057 | 278  | 1552091  | 77.226 | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 17.492 | 276  | 1550622  | 77.240 | ng    | 100      |

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

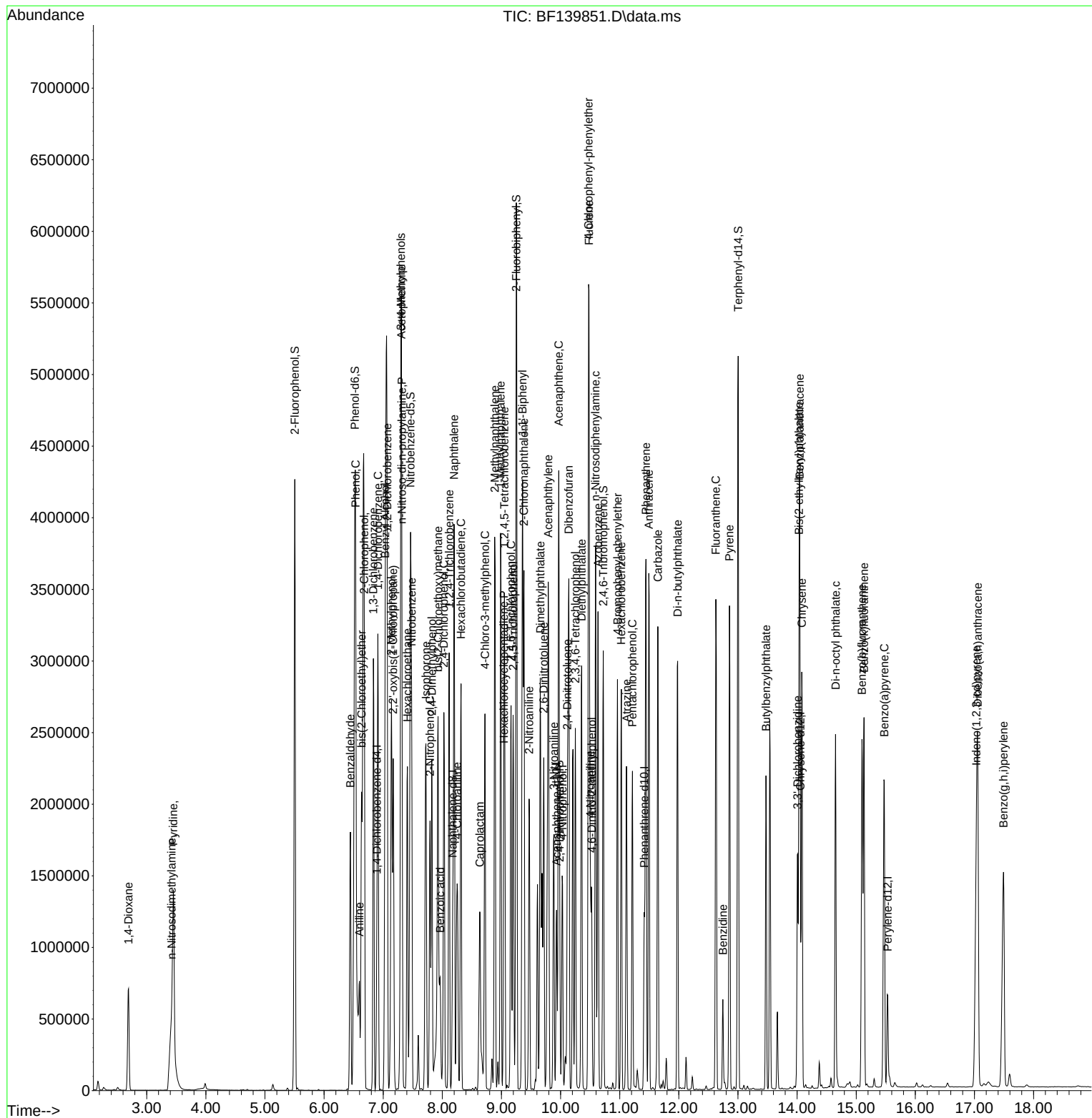
```
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101824\  
Data File : BF139851.D  
Acq On    : 18 Oct 2024   13:46  
Operator  : RC/JU  
Sample    : SSTDICC080  
Misc      :  
ALS Vial  : 9    Sample Multiplier: 1
```

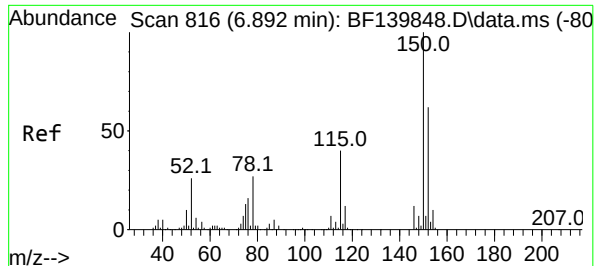
**Instrument :**  
BNA\_F  
**ClientSampleId :**  
SSTDICC080

## Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/21/2024  
Supervised By :mohammad ahmed 10/21/2024

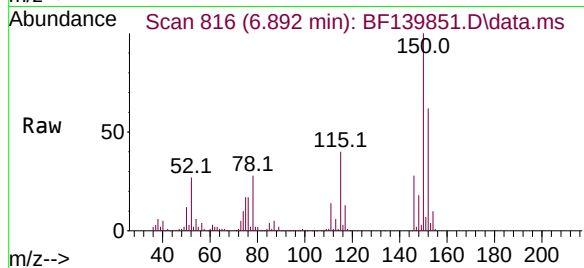
Quant Time: Oct 18 14:21:12 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101824.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Oct 18 14:11:20 2024  
Response via : Initial Calibration





#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.892 min Scan# 816  
Delta R.T. 0.000 min  
Lab File: BF139851.D  
Acq: 18 Oct 2024 13:46

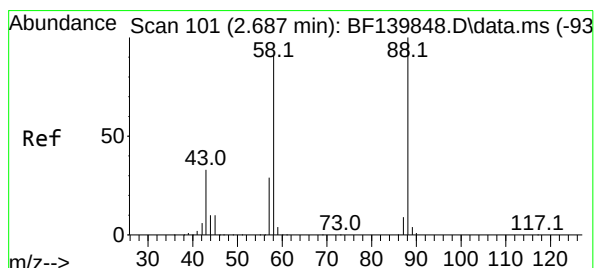
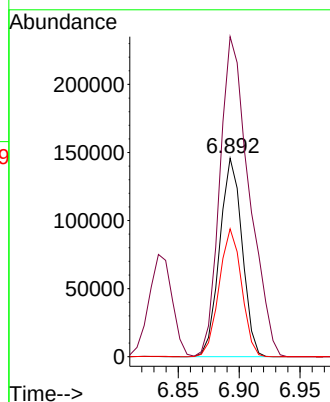
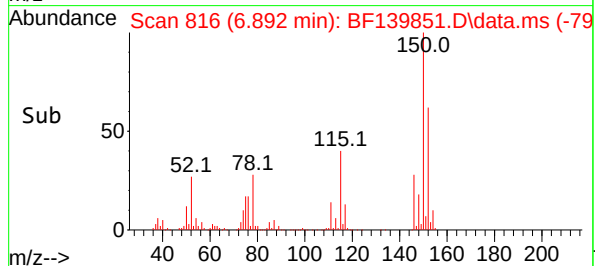
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC080



Tgt Ion:152 Resp: 187399  
Ion Ratio Lower Upper  
152 100  
150 161.2 130.2 195.2  
115 64.4 51.4 77.2

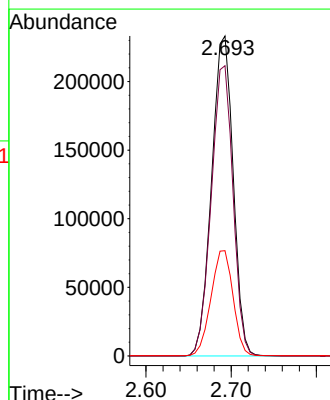
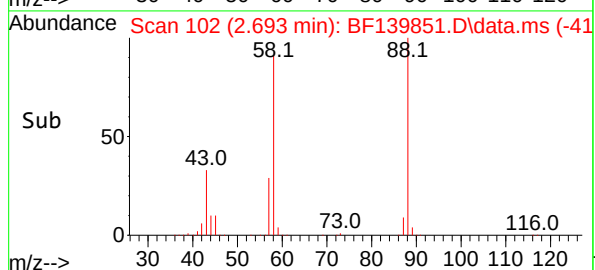
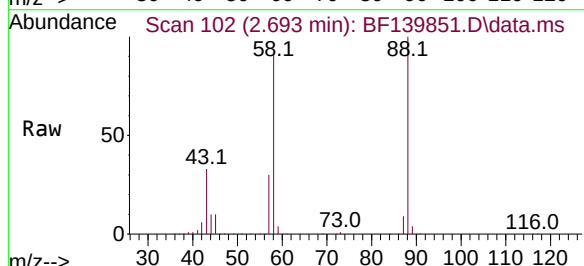
Manual Integrations  
APPROVED

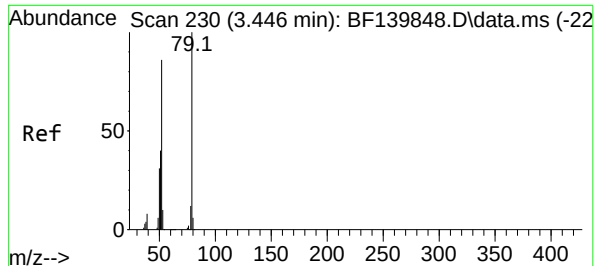
Reviewed By :Yogesh Patel 10/21/2024  
Supervised By :mohammad ahmed 10/21/2024



#2  
1,4-Dioxane  
Concen: 73.604 ng  
RT: 2.693 min Scan# 102  
Delta R.T. 0.006 min  
Lab File: BF139851.D  
Acq: 18 Oct 2024 13:46

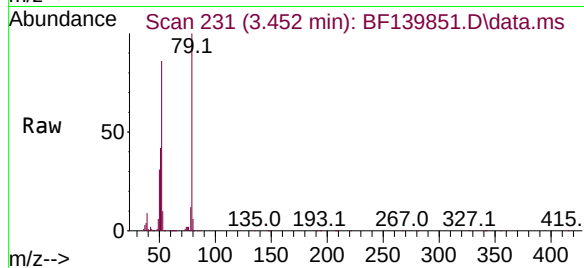
Tgt Ion: 88 Resp: 410806  
Ion Ratio Lower Upper  
88 100  
58 91.2 73.3 109.9  
43 33.5 27.1 40.7





#3  
Pyridine  
Concen: 71.834 ng  
RT: 3.452 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: BF139851.D  
Acq: 18 Oct 2024 13:46

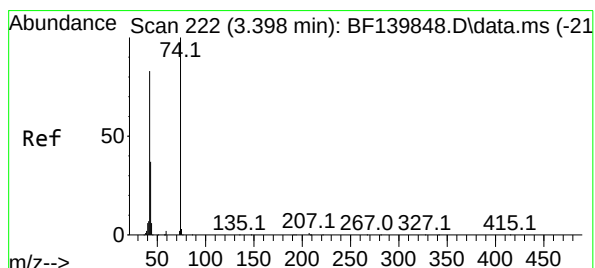
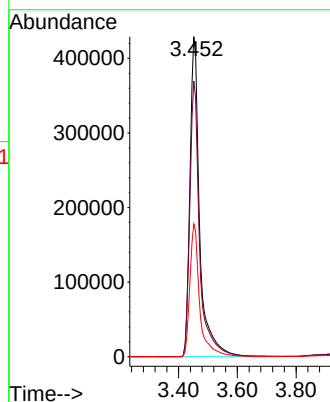
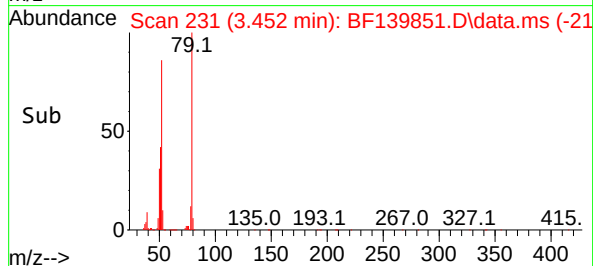
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC080



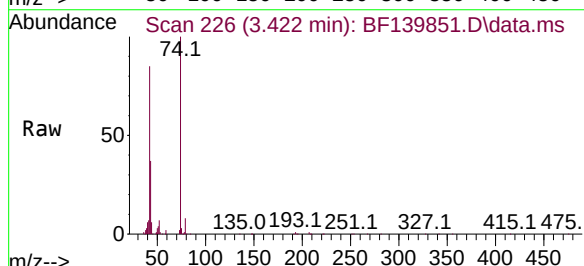
Tgt Ion: 79 Resp: 99377  
Ion Ratio Lower Upper  
79 100  
52 86.1 68.5 102.7  
51 41.5 32.3 48.5

Manual Integrations  
APPROVED

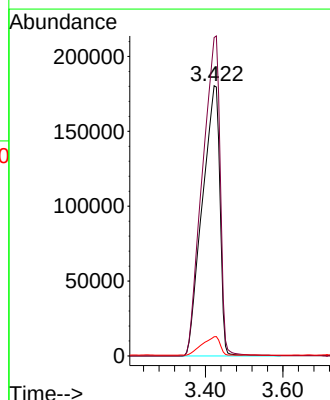
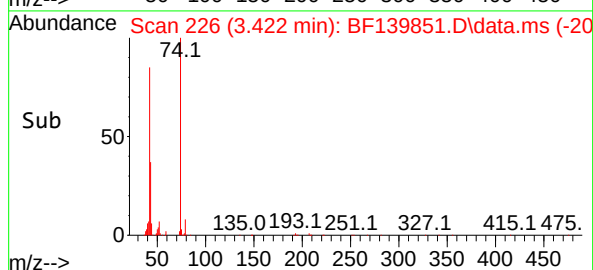
Reviewed By :Yogesh Patel 10/21/2024  
Supervised By :mohammad ahmed 10/21/2024

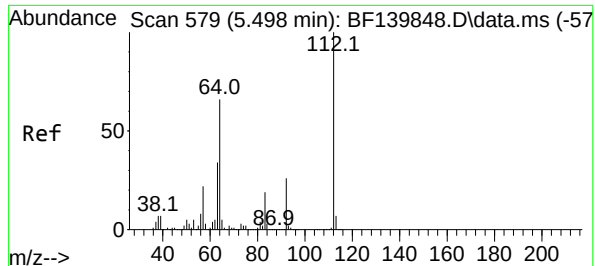


#4  
n-Nitrosodimethylamine  
Concen: 76.370 ng  
RT: 3.422 min Scan# 226  
Delta R.T. 0.024 min  
Lab File: BF139851.D  
Acq: 18 Oct 2024 13:46



Tgt Ion: 42 Resp: 567647  
Ion Ratio Lower Upper  
42 100  
74 117.8 96.2 144.4  
44 7.1 6.2 9.2





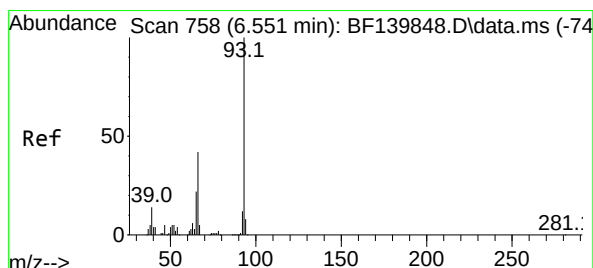
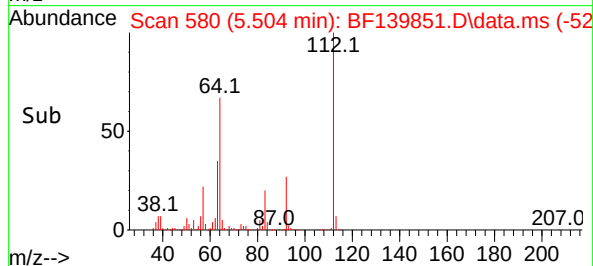
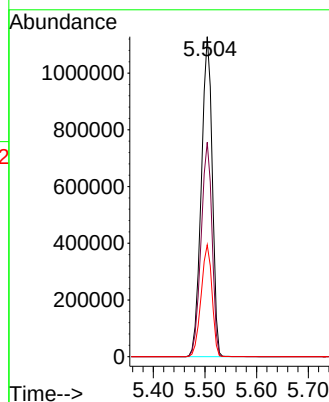
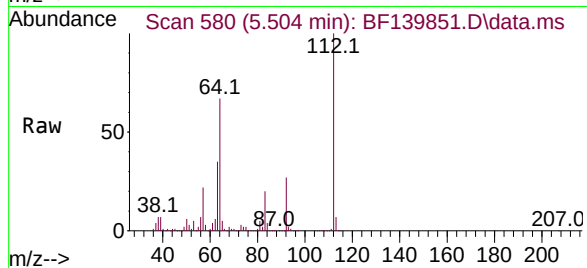
#5  
2-Fluorophenol  
Concen: 138.491 ng  
RT: 5.504 min Scan# 51  
Delta R.T. 0.006 min  
Lab File: BF139851.D  
Acq: 18 Oct 2024 13:46

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC080

Tgt Ion:112 Resp: 165782  
Ion Ratio Lower Upper  
112 100  
64 67.0 53.0 79.6  
63 35.0 27.0 40.4

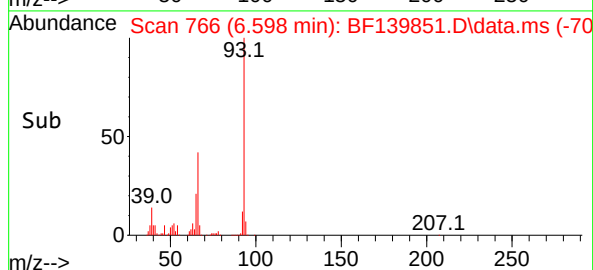
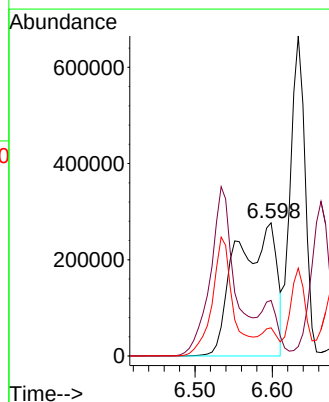
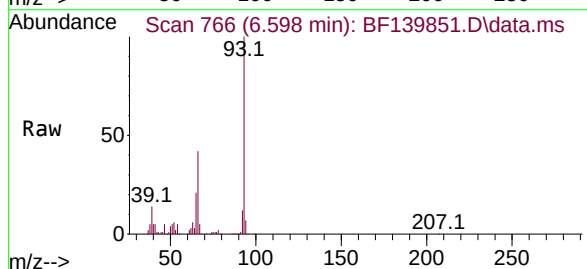
Manual Integrations  
APPROVED

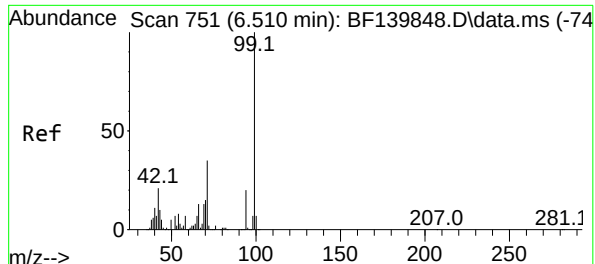
Reviewed By :Yogesh Patel 10/21/2024  
Supervised By :mohammad ahmed 10/21/2024



#6  
Aniline  
Concen: 68.680 ng m  
RT: 6.598 min Scan# 766  
Delta R.T. 0.047 min  
Lab File: BF139851.D  
Acq: 18 Oct 2024 13:46

Tgt Ion: 93 Resp: 992375  
Ion Ratio Lower Upper  
93 100  
66 41.8 34.0 51.0  
65 21.1 17.4 26.0





#7

Phenol-d6

Concen: 138.492 ng

RT: 6.522 min Scan# 71

Delta R.T. 0.012 min

Lab File: BF139851.D

Acq: 18 Oct 2024 13:46

Instrument :

BNA\_F

ClientSampleId :

SSTDICC080

Tgt Ion: 99 Resp: 214717

Ion Ratio Lower Upper

99 100

42 20.8 16.7 25.1

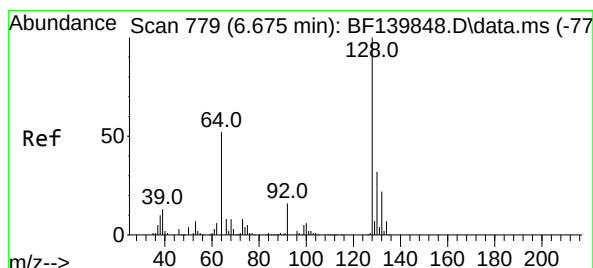
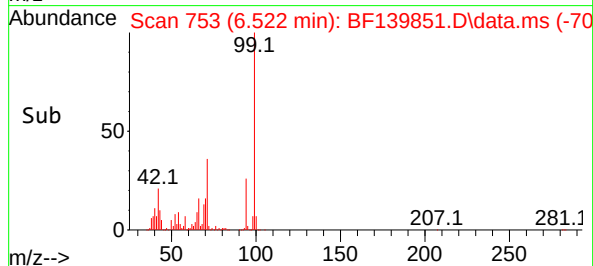
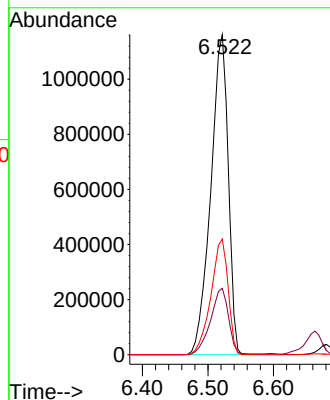
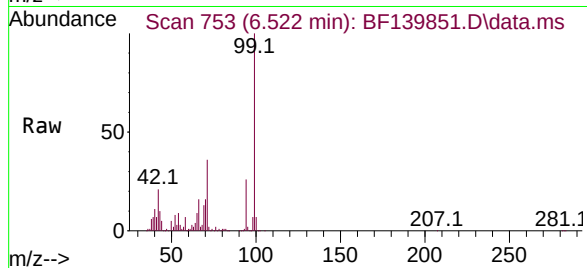
71 36.1 27.7 41.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#8

2-Chlorophenol

Concen: 68.333 ng

RT: 6.681 min Scan# 780

Delta R.T. 0.006 min

Lab File: BF139851.D

Acq: 18 Oct 2024 13:46

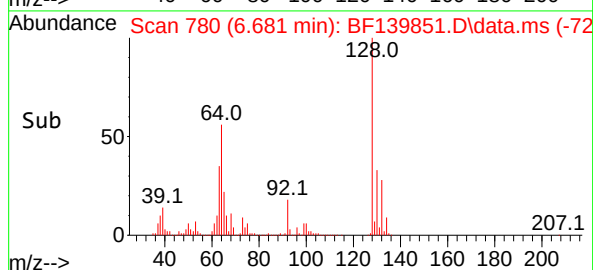
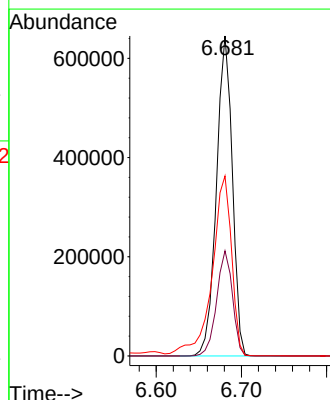
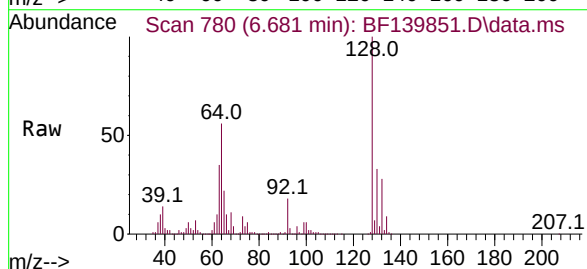
Tgt Ion:128 Resp: 836233

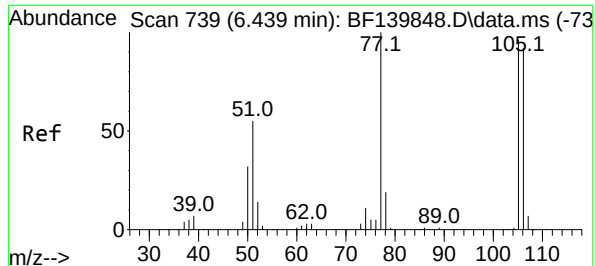
Ion Ratio Lower Upper

128 100

130 32.8 12.3 52.3

64 56.2 34.6 74.6





#9

Benzaldehyde

Concen: 63.632 ng

RT: 6.445 min Scan# 740

Delta R.T. 0.006 min

Lab File: BF139851.D

Acq: 18 Oct 2024 13:46

Instrument :

BNA\_F

ClientSampleId :

SSTDICC080

Tgt Ion: 77 Resp: 55498

Ion Ratio Lower Upper

77 100

105 96.4 75.5 115.5

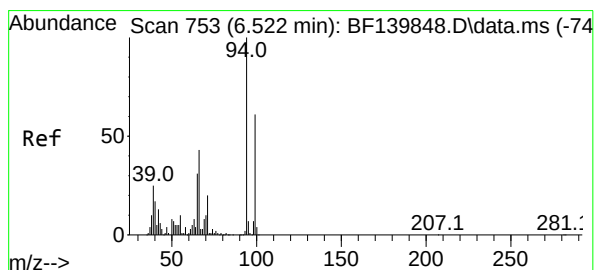
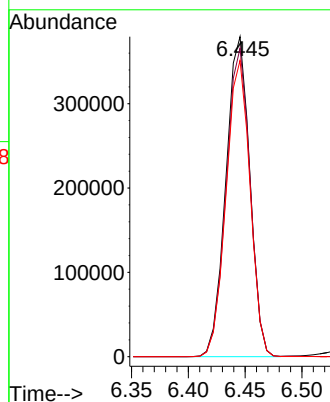
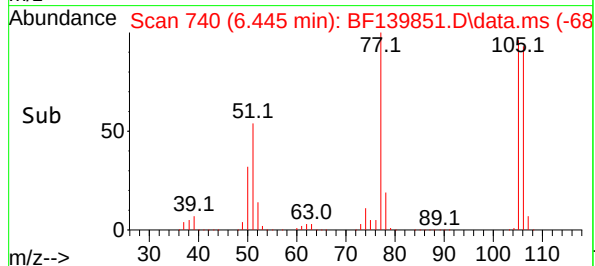
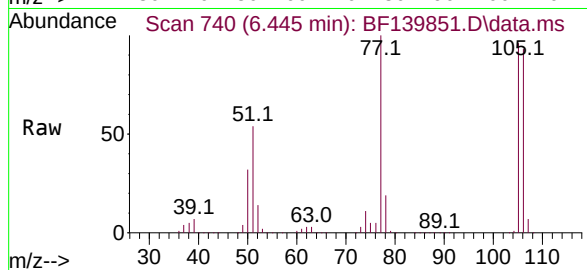
106 92.6 71.7 111.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#10

Phenol

Concen: 69.172 ng

RT: 6.534 min Scan# 755

Delta R.T. 0.012 min

Lab File: BF139851.D

Acq: 18 Oct 2024 13:46

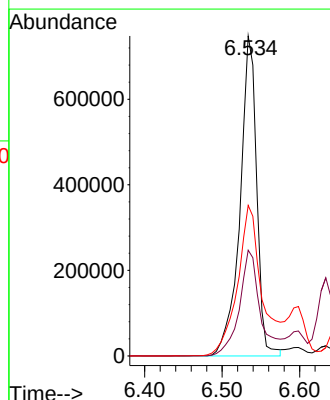
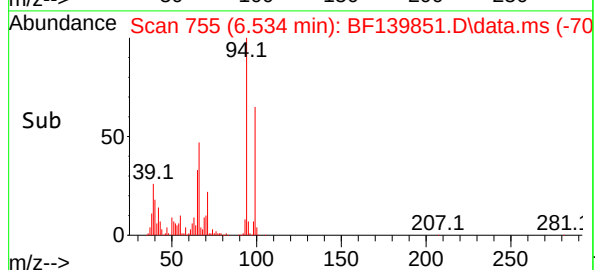
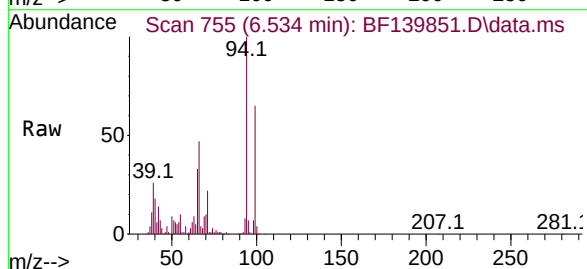
Tgt Ion: 94 Resp: 1125558

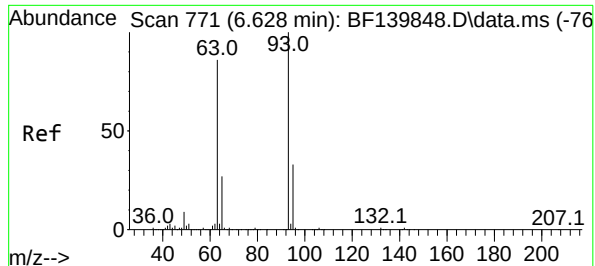
Ion Ratio Lower Upper

94 100

65 33.1 11.1 51.1

66 47.1 22.7 62.7





#11

bis(2-Chloroethyl)ether

Concen: 71.780 ng

RT: 6.634 min Scan# 771

Delta R.T. 0.006 min

Lab File: BF139851.D

Acq: 18 Oct 2024 13:46

Instrument :

BNA\_F

ClientSampleId :

SSTDICC080

Tgt Ion: 93 Resp: 886780

Ion Ratio Lower Upper

93 100

63 85.6 65.0 105.0

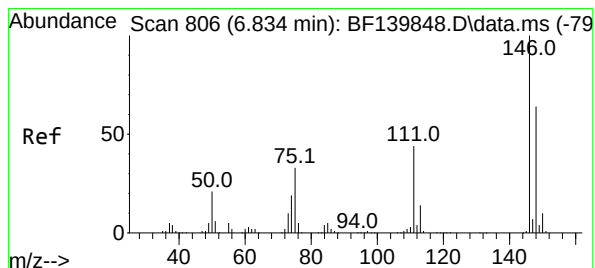
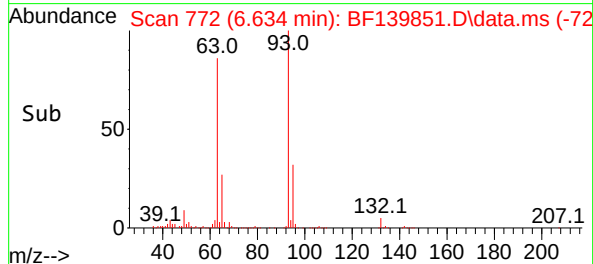
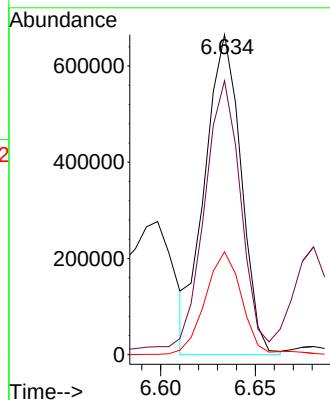
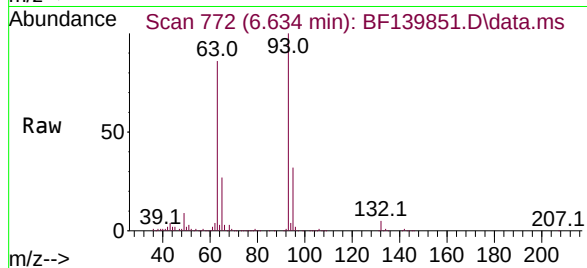
95 32.2 12.4 52.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#12

1,3-Dichlorobenzene

Concen: 69.024 ng

RT: 6.834 min Scan# 806

Delta R.T. 0.000 min

Lab File: BF139851.D

Acq: 18 Oct 2024 13:46

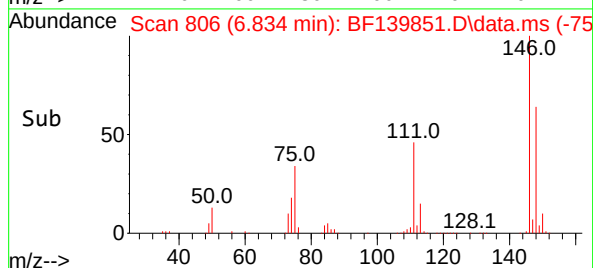
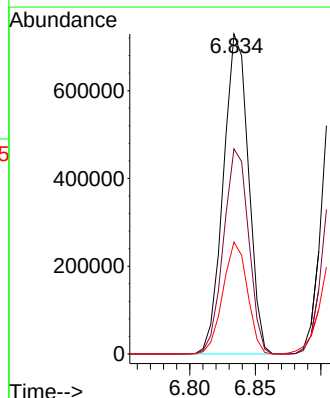
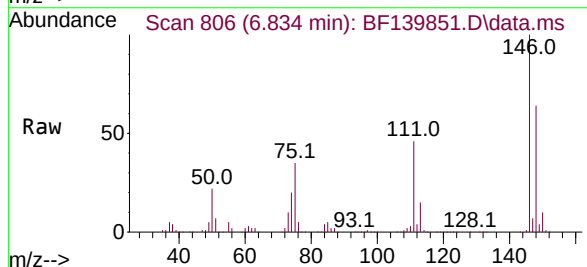
Tgt Ion:146 Resp: 969627

Ion Ratio Lower Upper

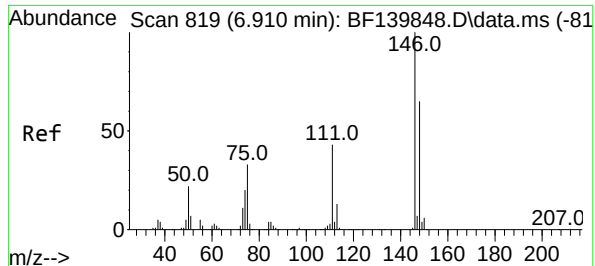
146 100

148 64.1 51.0 76.4

75 35.0 26.4 39.6

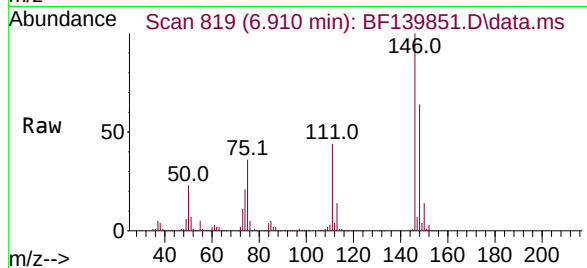






#13  
1,4-Dichlorobenzene  
Concen: 68.978 ng  
RT: 6.910 min Scan# 819  
Delta R.T. 0.000 min  
Lab File: BF139851.D  
Acq: 18 Oct 2024 13:46

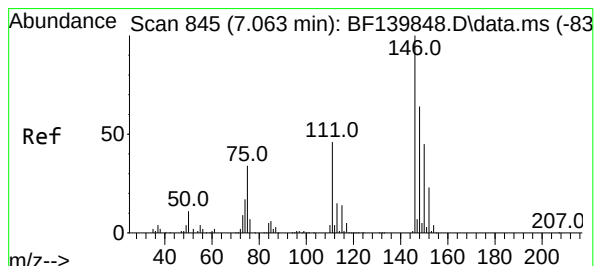
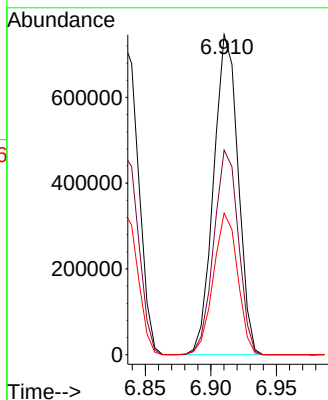
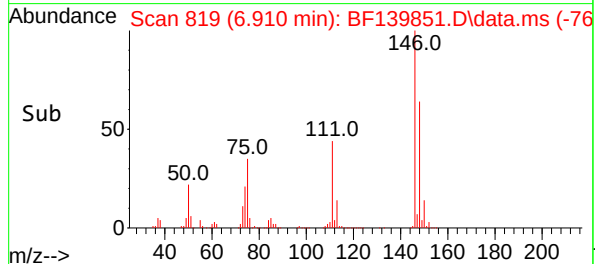
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC080



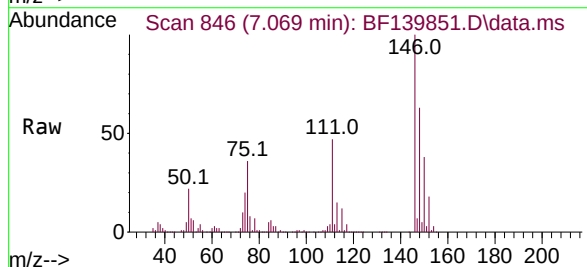
Tgt Ion:146 Resp: 96808  
Ion Ratio Lower Upper  
146 100  
148 64.0 51.8 77.8  
111 44.3 34.6 51.8

Manual Integrations  
APPROVED

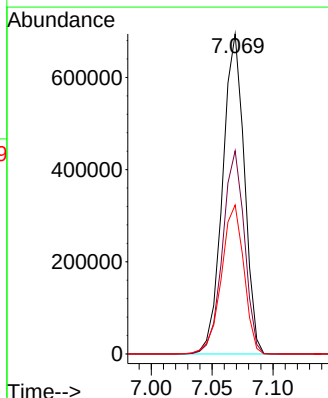
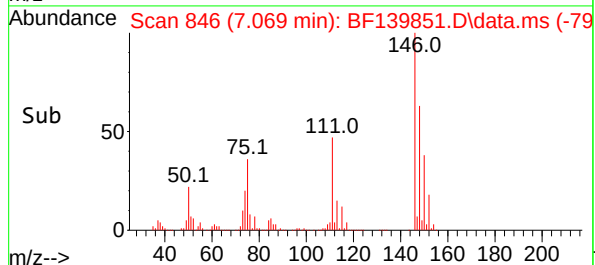
Reviewed By :Yogesh Patel 10/21/2024  
Supervised By :mohammad ahmed 10/21/2024

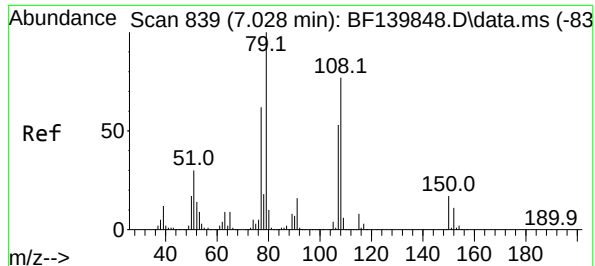


#14  
1,2-Dichlorobenzene  
Concen: 65.758 ng  
RT: 7.069 min Scan# 846  
Delta R.T. 0.006 min  
Lab File: BF139851.D  
Acq: 18 Oct 2024 13:46



Tgt Ion:146 Resp: 861333  
Ion Ratio Lower Upper  
146 100  
148 63.5 51.4 77.2  
111 46.5 36.7 55.1





#15

Benzyl Alcohol

Concen: 70.616 ng

RT: 7.034 min Scan# 840

Delta R.T. 0.006 min

Lab File: BF139851.D

Acq: 18 Oct 2024 13:46

Instrument :

BNA\_F

ClientSampleId :

SSTDICC080

Tgt Ion: 79 Resp: 80310

Ion Ratio Lower Upper

79 100

108 74.0 61.4 92.0

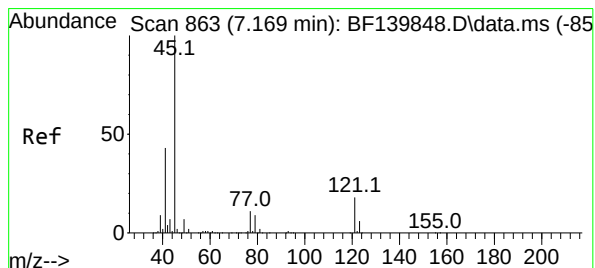
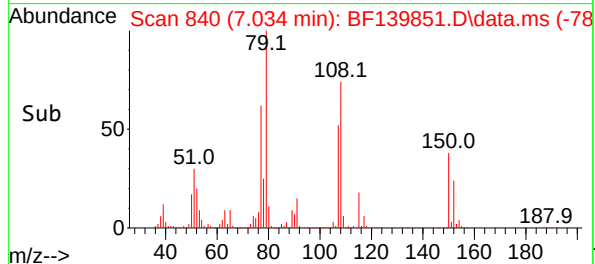
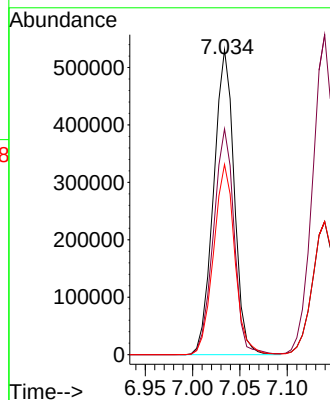
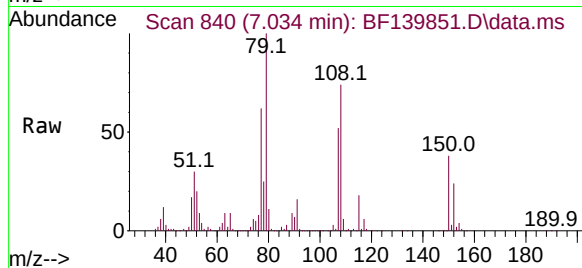
77 62.3 49.9 74.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#16

2,2'-oxybis(1-Chloropropane)

Concen: 69.886 ng

RT: 7.169 min Scan# 863

Delta R.T. 0.000 min

Lab File: BF139851.D

Acq: 18 Oct 2024 13:46

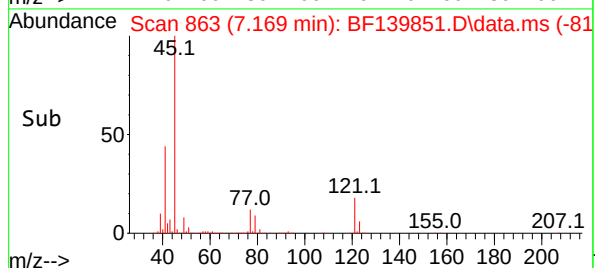
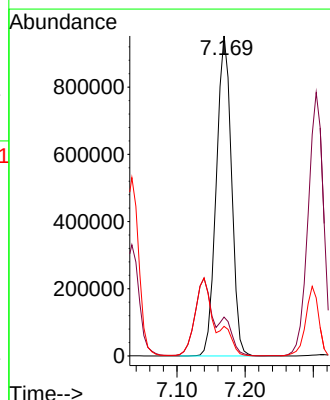
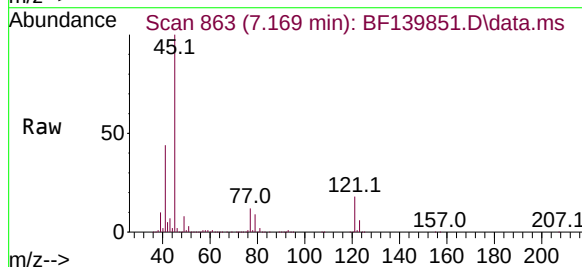
Tgt Ion: 45 Resp: 1472196

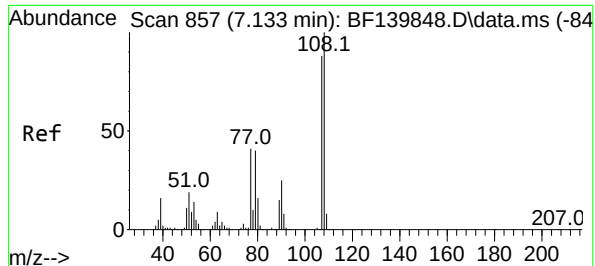
Ion Ratio Lower Upper

45 100

77 12.2 0.0 31.5

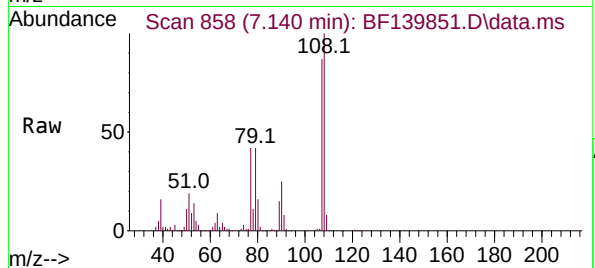
79 9.2 0.0 29.1





#17  
2-Methylphenol  
Concen: 72.109 ng  
RT: 7.140 min Scan# 857  
Delta R.T. 0.006 min  
Lab File: BF139851.D  
Acq: 18 Oct 2024 13:46

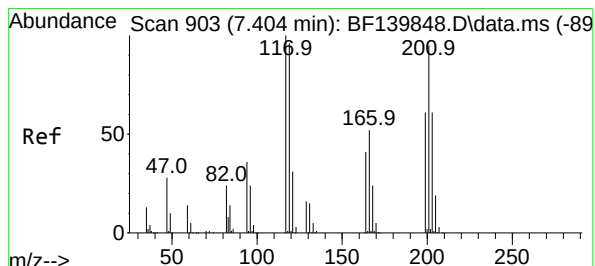
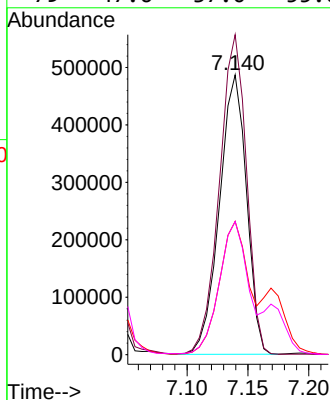
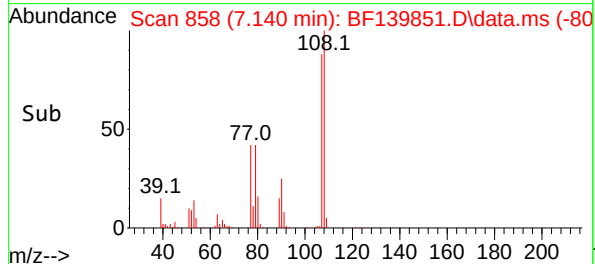
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC080



Tgt Ion:107 Resp: 752459  
Ion Ratio Lower Upper  
107 100  
108 114.3 91.3 136.9  
77 47.6 37.1 55.7  
79 47.6 37.0 55.6

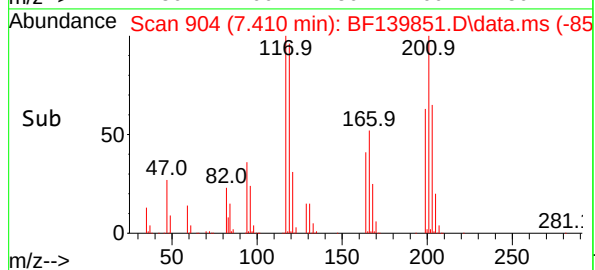
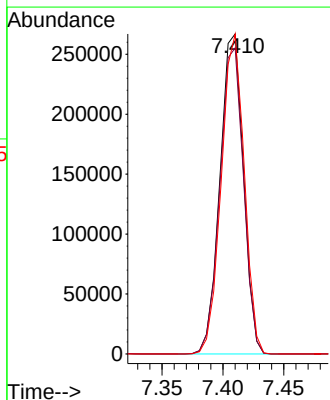
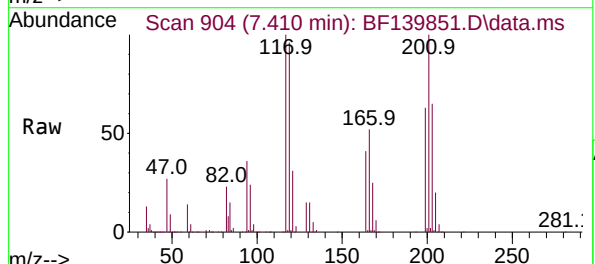
Manual Integrations  
APPROVED

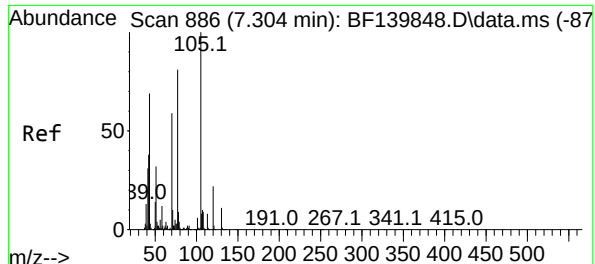
Reviewed By :Yogesh Patel 10/21/2024  
Supervised By :mohammad ahmed 10/21/2024



#18  
Hexachloroethane  
Concen: 71.459 ng  
RT: 7.410 min Scan# 904  
Delta R.T. 0.006 min  
Lab File: BF139851.D  
Acq: 18 Oct 2024 13:46

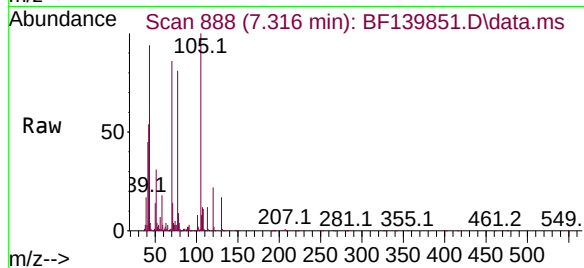
Tgt Ion:117 Resp: 357637  
Ion Ratio Lower Upper  
117 100  
119 95.6 77.0 115.4  
201 99.9 76.2 114.4





#19  
n-Nitroso-di-n-propylamine  
Concen: 69.238 ng  
RT: 7.316 min Scan# 887  
Delta R.T. 0.012 min  
Lab File: BF139851.D  
Acq: 18 Oct 2024 13:46

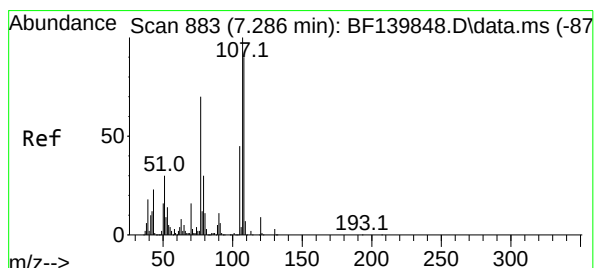
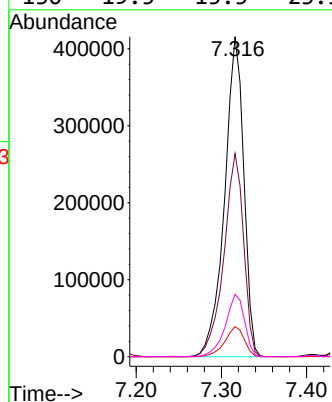
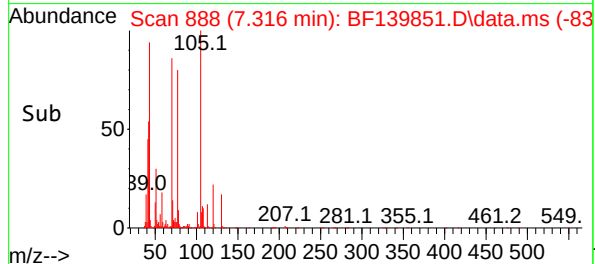
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC080



Tgt Ion: 70 Resp: 651044  
Ion Ratio Lower Upper  
70 100  
42 63.4 51.5 77.3  
101 9.4 7.5 11.3  
130 19.5 15.5 23.3

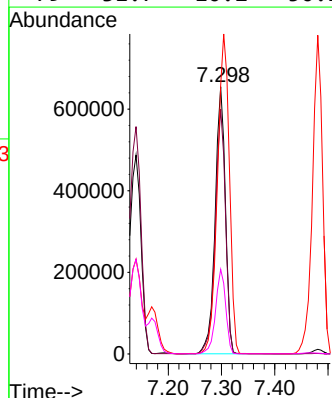
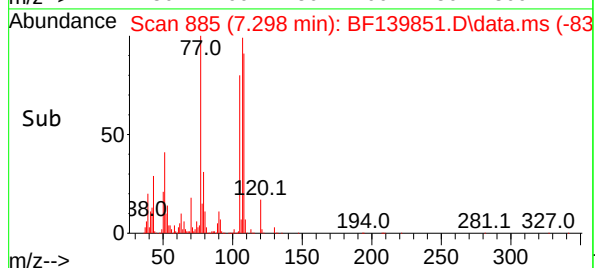
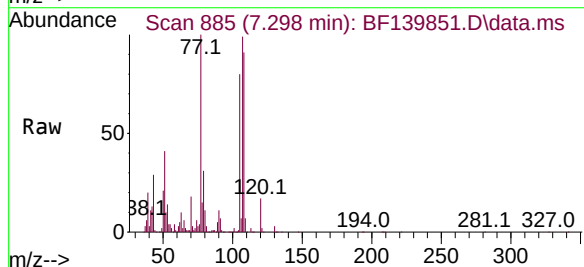
Manual Integrations  
APPROVED

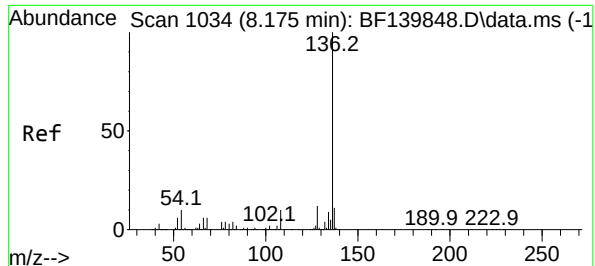
Reviewed By :Yogesh Patel 10/21/2024  
Supervised By :mohammad ahmed 10/21/2024



#20  
3+4-Methylphenols  
Concen: 65.856 ng  
RT: 7.298 min Scan# 885  
Delta R.T. 0.012 min  
Lab File: BF139851.D  
Acq: 18 Oct 2024 13:46

Tgt Ion:107 Resp: 878987  
Ion Ratio Lower Upper  
107 100  
108 91.7 69.8 109.8  
77 100.5 50.5 90.5#  
79 31.7 10.2 50.2





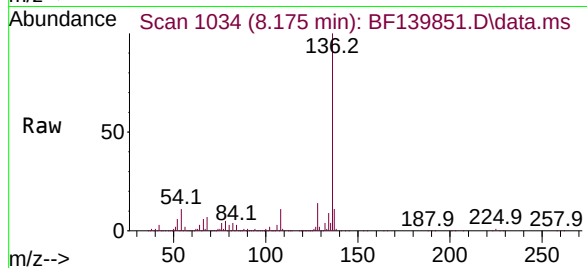
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.175 min Scan# 1034  
Delta R.T. 0.000 min  
Lab File: BF139851.D  
Acq: 18 Oct 2024 13:46

Instrument :

BNA\_F

ClientSampleId :

SSTDICC080

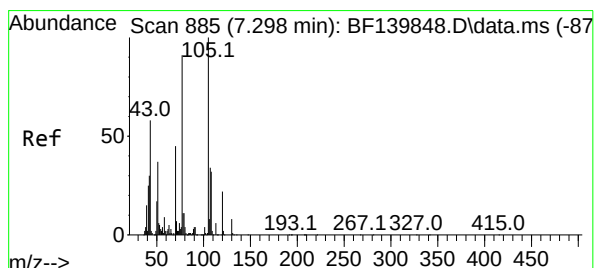
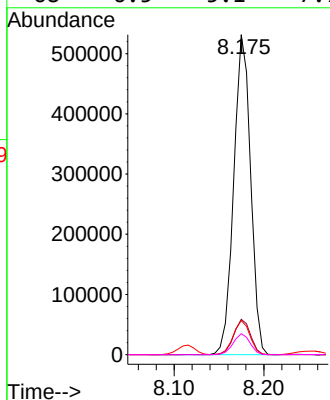
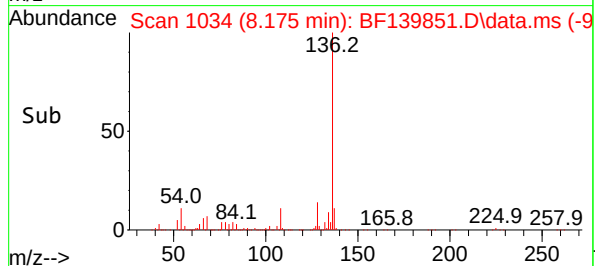


Tgt Ion:136 Resp: 693285  
Ion Ratio Lower Upper  
136 100  
137 11.0 8.6 12.8  
54 10.6 8.4 12.6  
68 6.5 5.1 7.7

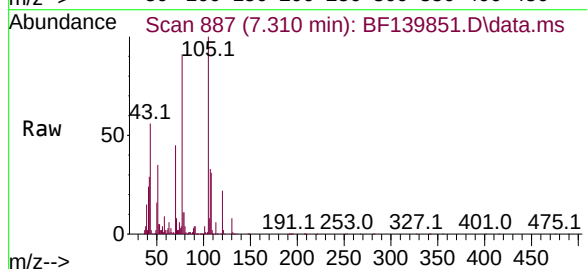
Manual Integrations

APPROVED

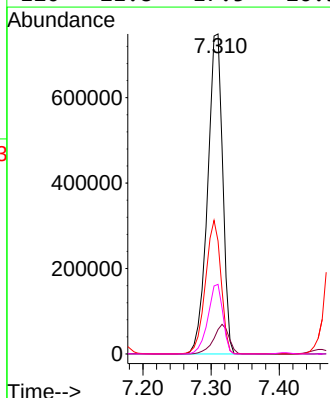
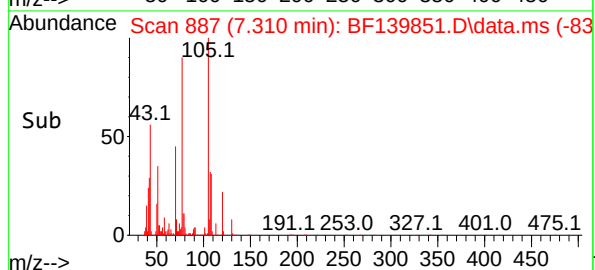
Reviewed By :Yogesh Patel 10/21/2024  
Supervised By :mohammad ahmed 10/21/2024

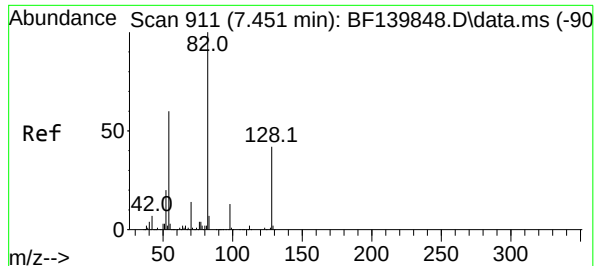


#22  
Acetophenone  
Concen: 67.682 ng  
RT: 7.310 min Scan# 887  
Delta R.T. 0.012 min  
Lab File: BF139851.D  
Acq: 18 Oct 2024 13:46



Tgt Ion:105 Resp: 1149288  
Ion Ratio Lower Upper  
105 100  
71 7.6 5.9 8.9  
51 35.3 29.4 44.2  
120 21.8 17.5 26.3





#23

Nitrobenzene-d5

Concen: 151.683 ng

RT: 7.463 min Scan# 911

Delta R.T. 0.012 min

Lab File: BF139851.D

Acq: 18 Oct 2024 13:46

Instrument :

BNA\_F

ClientSampleId :

SSTDICC080

Tgt Ion: 82 Resp: 1897374

Ion Ratio Lower Upper

82 100

128 42.6 33.4 50.0

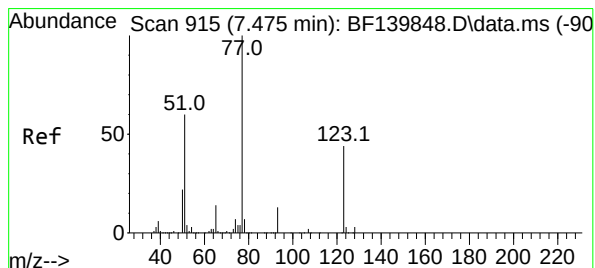
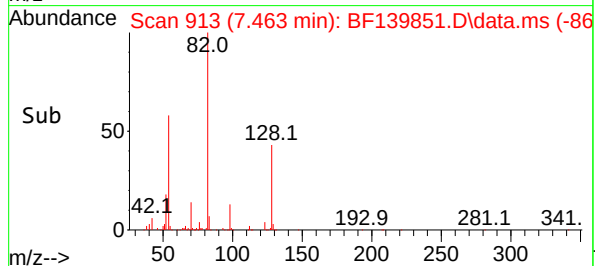
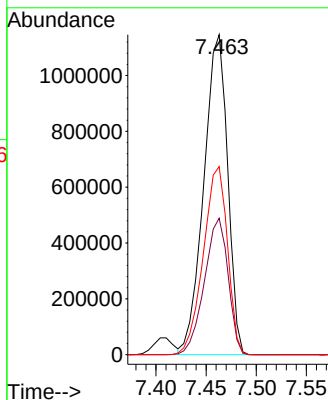
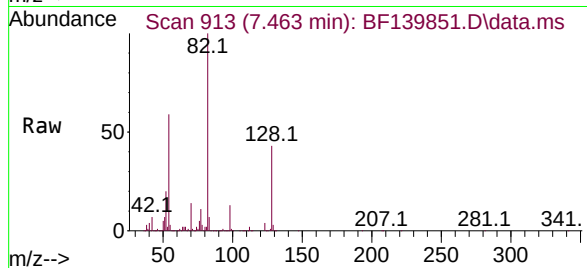
54 58.8 47.8 71.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#24

Nitrobenzene

Concen: 74.779 ng

RT: 7.481 min Scan# 916

Delta R.T. 0.006 min

Lab File: BF139851.D

Acq: 18 Oct 2024 13:46

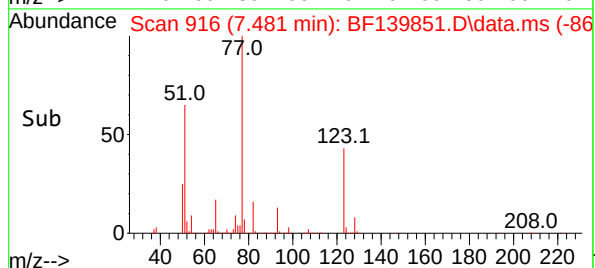
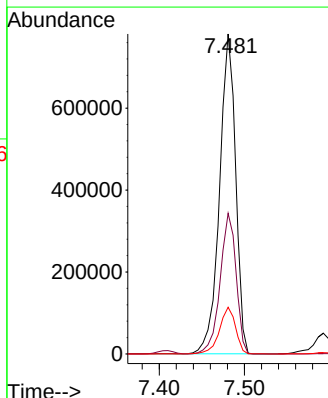
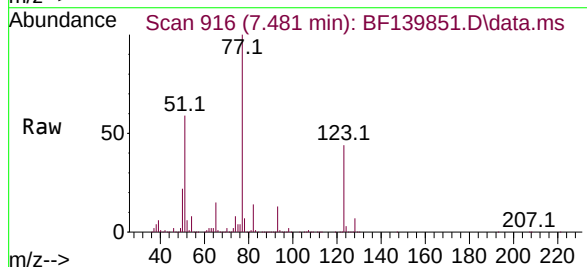
Tgt Ion: 77 Resp: 1025571

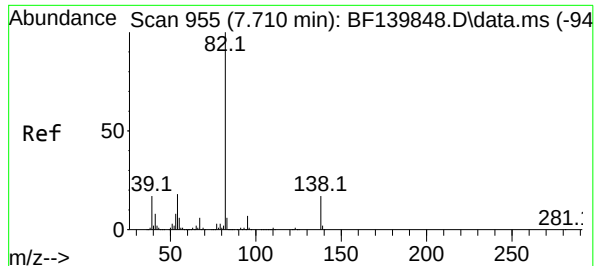
Ion Ratio Lower Upper

77 100

123 44.0 35.7 53.5

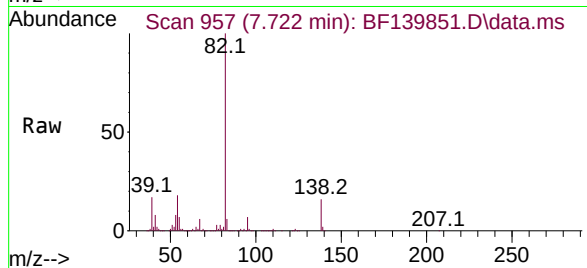
65 14.6 11.5 17.3





#25  
Isophorone  
Concen: 74.436 ng  
RT: 7.722 min Scan# 91  
Delta R.T. 0.012 min  
Lab File: BF139851.D  
Acq: 18 Oct 2024 13:46

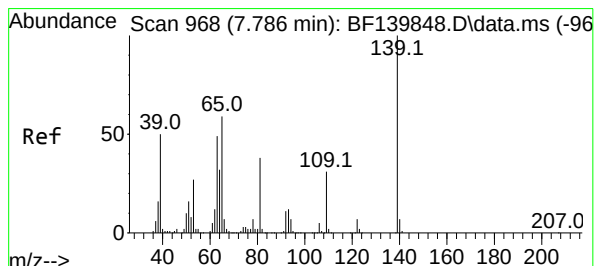
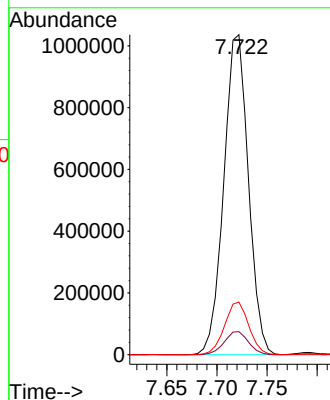
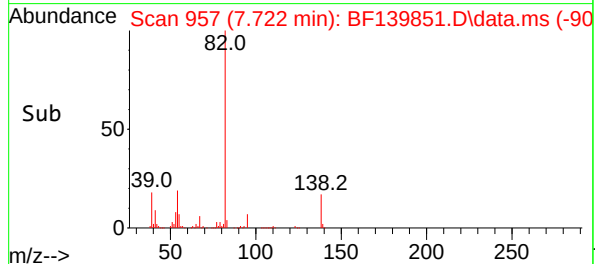
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC080



Tgt Ion: 82 Resp: 1767234  
Ion Ratio Lower Upper  
82 100  
95 7.2 5.5 8.3  
138 16.5 13.2 19.8

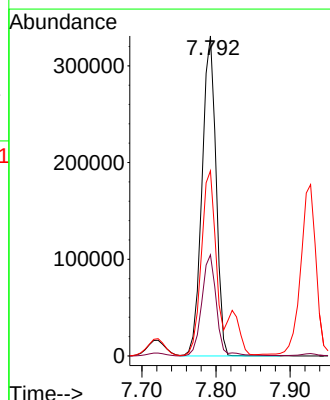
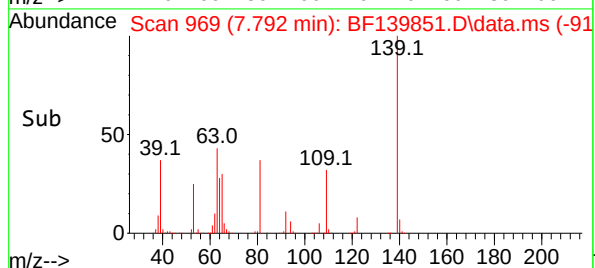
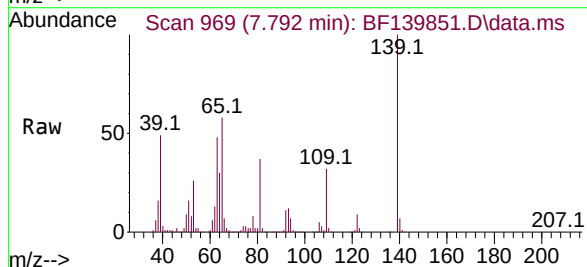
Manual Integrations  
APPROVED

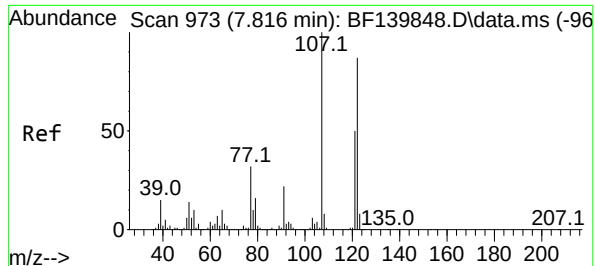
Reviewed By :Yogesh Patel 10/21/2024  
Supervised By :mohammad ahmed 10/21/2024



#26  
2-Nitrophenol  
Concen: 84.029 ng  
RT: 7.792 min Scan# 969  
Delta R.T. 0.006 min  
Lab File: BF139851.D  
Acq: 18 Oct 2024 13:46

Tgt Ion:139 Resp: 434755  
Ion Ratio Lower Upper  
139 100  
109 31.6 25.1 37.7  
65 57.8 47.5 71.3





#27

2,4-Dimethylphenol

Concen: 71.765 ng

RT: 7.822 min Scan# 91

Delta R.T. 0.006 min

Lab File: BF139851.D

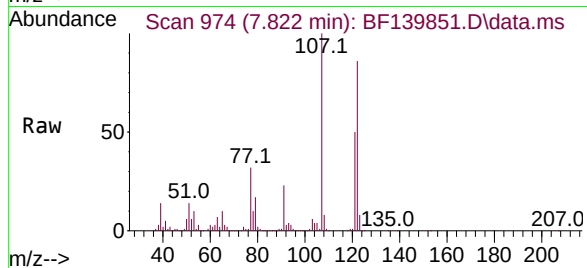
Acq: 18 Oct 2024 13:46

Instrument :

BNA\_F

ClientSampleId :

SSTDICC080



Tgt Ion:122 Resp: 619130

Ion Ratio Lower Upper

122 100

107 116.2 91.9 137.9

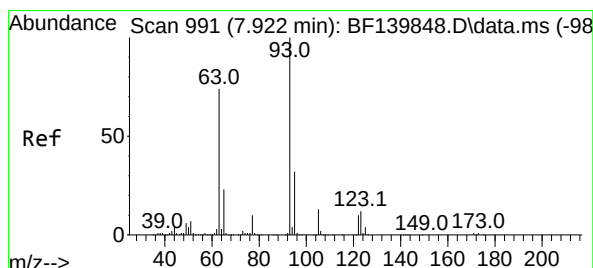
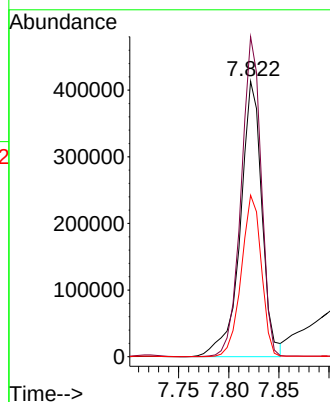
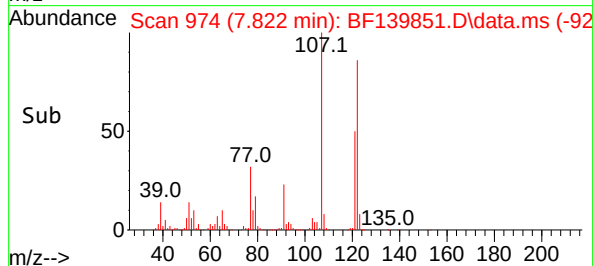
121 58.6 46.2 69.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#28

bis(2-Chloroethoxy)methane

Concen: 71.081 ng

RT: 7.928 min Scan# 992

Delta R.T. 0.006 min

Lab File: BF139851.D

Acq: 18 Oct 2024 13:46

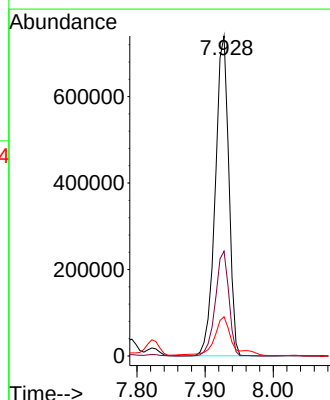
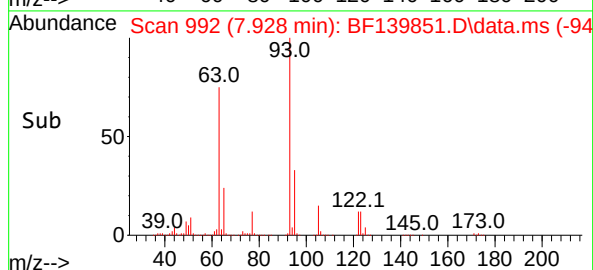
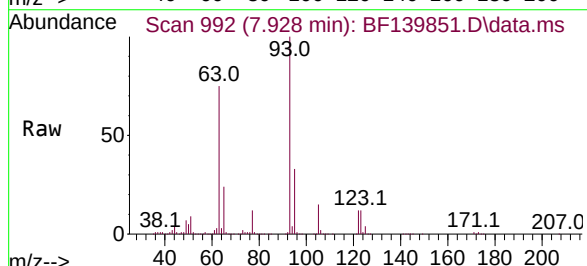
Tgt Ion: 93 Resp: 1022457

Ion Ratio Lower Upper

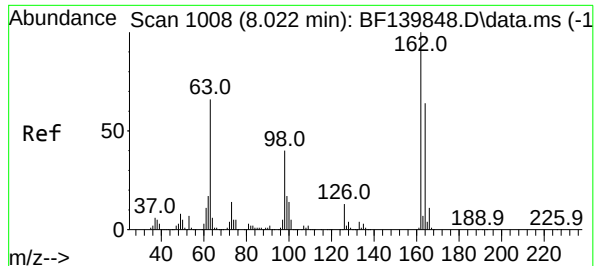
93 100

95 32.7 26.0 39.0

123 12.2 9.8 14.8







#29

2,4-Dichlorophenol

Concen: 72.445 ng

RT: 8.028 min Scan# 1008

Delta R.T. 0.006 min

Lab File: BF139851.D

Acq: 18 Oct 2024 13:46

Instrument :

BNA\_F

ClientSampleId :

SSTDICC080

Tgt Ion:162 Resp: 71189

Ion Ratio Lower Upper

162 100

164 64.5 43.9 83.9

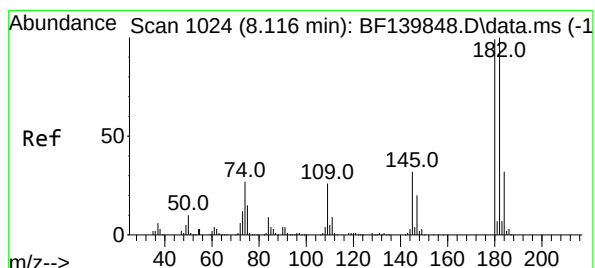
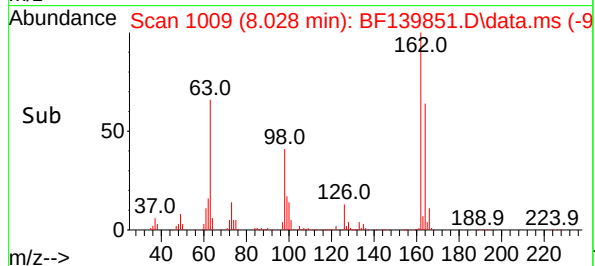
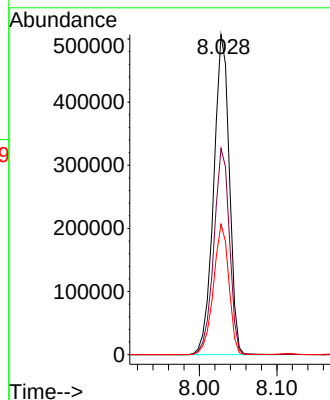
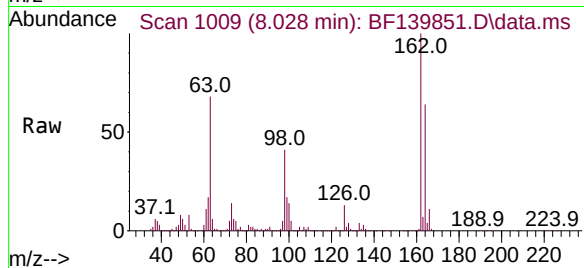
98 40.8 19.9 59.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#30

1,2,4-Trichlorobenzene

Concen: 71.194 ng

RT: 8.116 min Scan# 1024

Delta R.T. 0.000 min

Lab File: BF139851.D

Acq: 18 Oct 2024 13:46

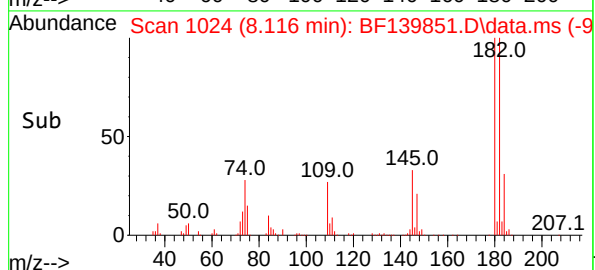
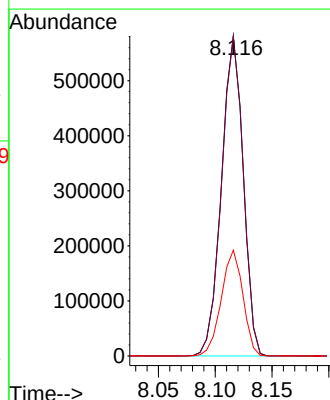
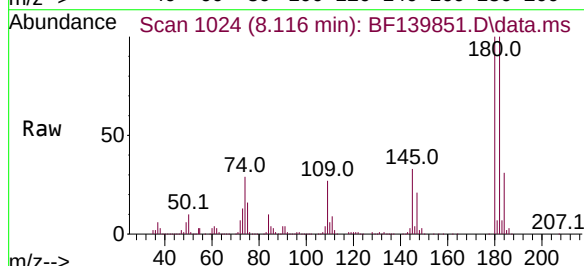
Tgt Ion:180 Resp: 774108

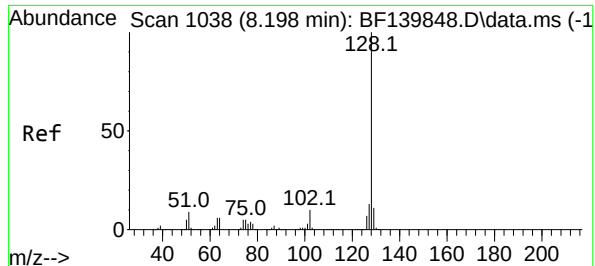
Ion Ratio Lower Upper

180 100

182 99.8 80.5 120.7

145 33.0 25.4 38.0





#31

Naphthalene

Concen: 67.894 ng

RT: 8.198 min Scan# 1038

Delta R.T. 0.000 min

Lab File: BF139851.D

Acq: 18 Oct 2024 13:46

Instrument :

BNA\_F

ClientSampleId :

SSTDICC080

Tgt Ion:128 Resp: 2427578

Ion Ratio Lower Upper

128 100

129 11.7 8.9 13.3

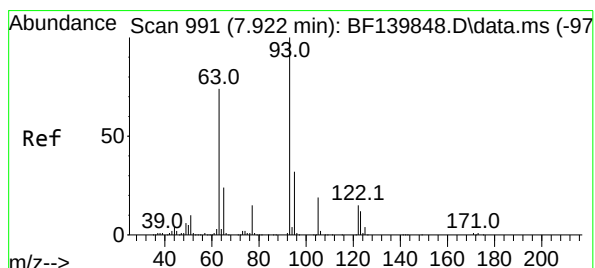
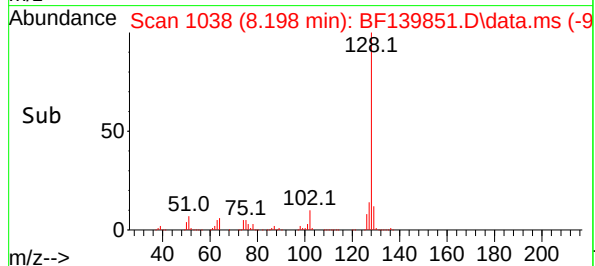
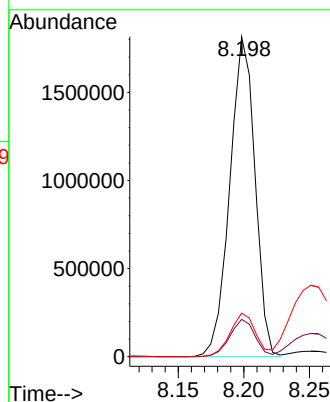
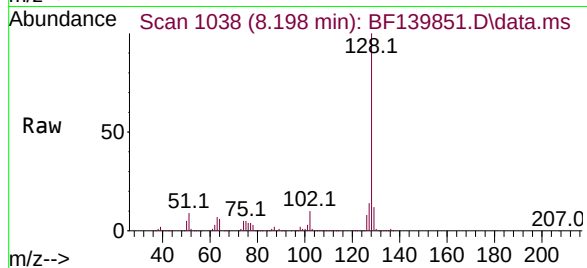
127 13.6 10.6 16.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#32

Benzoic acid

Concen: 86.634 ng

RT: 7.963 min Scan# 998

Delta R.T. 0.041 min

Lab File: BF139851.D

Acq: 18 Oct 2024 13:46

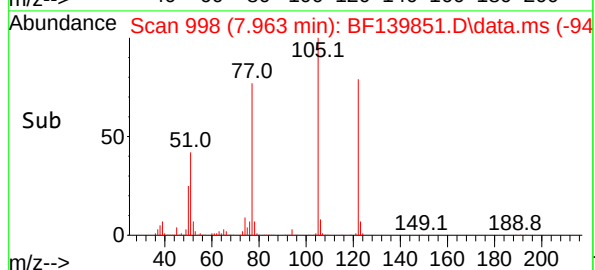
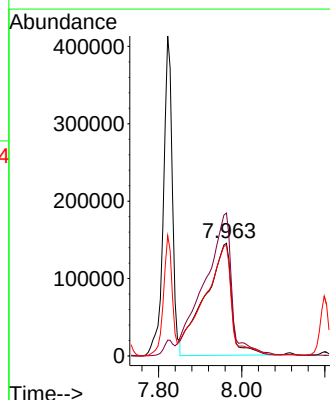
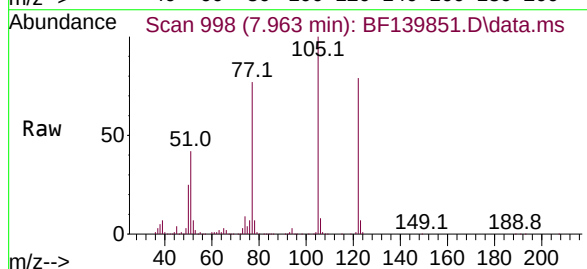
Tgt Ion:122 Resp: 651887

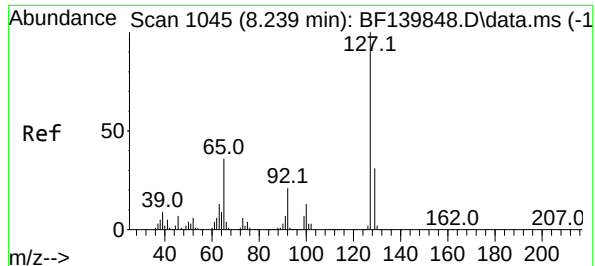
Ion Ratio Lower Upper

122 100

105 126.8 107.6 147.6

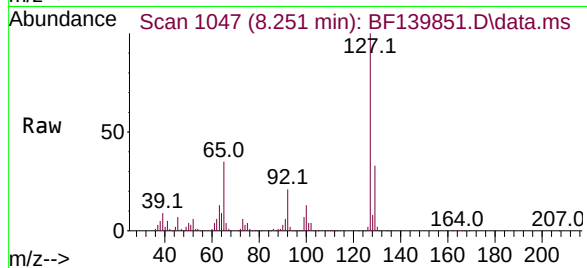
77 98.1 80.2 120.2





#33  
4-Chloroaniline  
Concen: 69.684 ng  
RT: 8.251 min Scan# 1047  
Delta R.T. 0.012 min  
Lab File: BF139851.D  
Acq: 18 Oct 2024 13:46

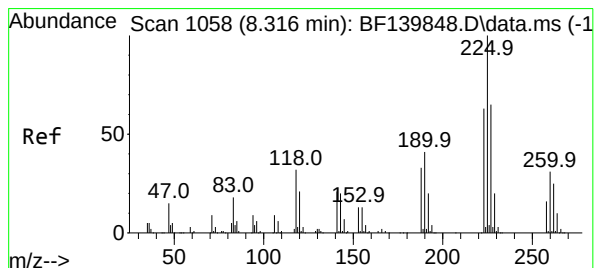
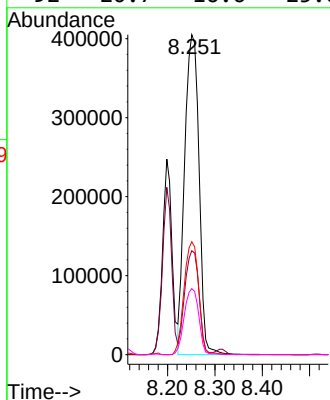
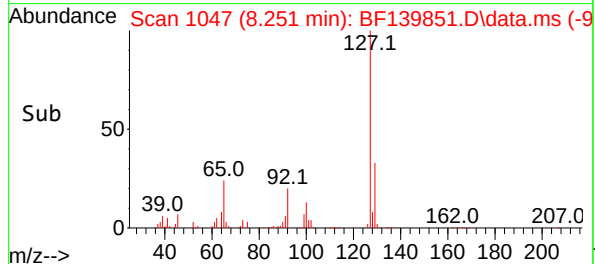
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC080



Tgt Ion:127 Resp: 84960  
Ion Ratio Lower Upper  
127 100  
129 32.5 25.4 38.2  
65 35.3 28.4 42.6  
92 20.7 16.6 25.0

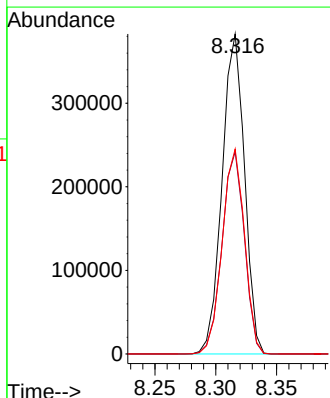
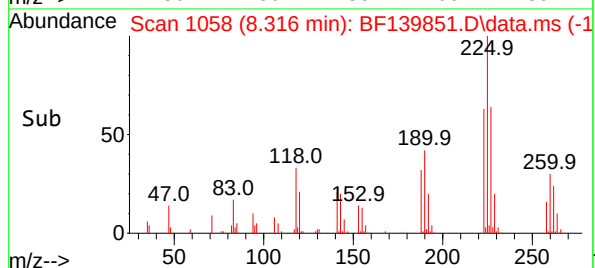
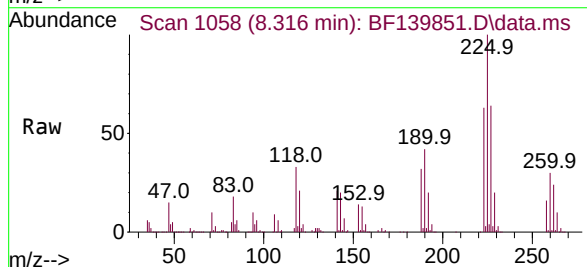
Manual Integrations  
APPROVED

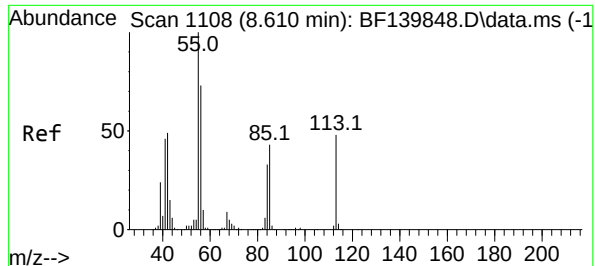
Reviewed By :Yogesh Patel 10/21/2024  
Supervised By :mohammad ahmed 10/21/2024



#34  
Hexachlorobutadiene  
Concen: 71.753 ng  
RT: 8.316 min Scan# 1058  
Delta R.T. 0.000 min  
Lab File: BF139851.D  
Acq: 18 Oct 2024 13:46

Tgt Ion:225 Resp: 490203  
Ion Ratio Lower Upper  
225 100  
223 63.2 50.6 76.0  
227 64.0 51.8 77.8





#35

Caprolactam

Concen: 76.550 ng

RT: 8.634 min Scan# 1108

Delta R.T. 0.024 min

Lab File: BF139851.D

Acq: 18 Oct 2024 13:46

Instrument :

BNA\_F

ClientSampleId :

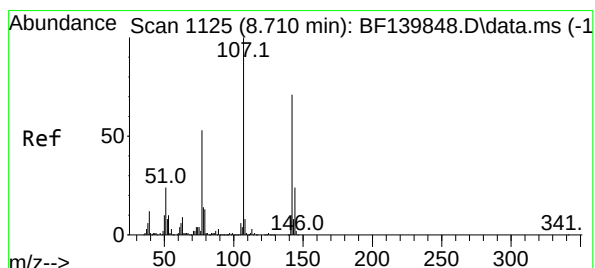
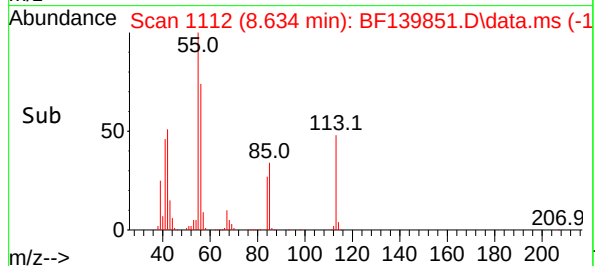
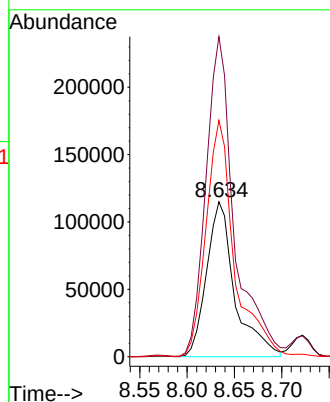
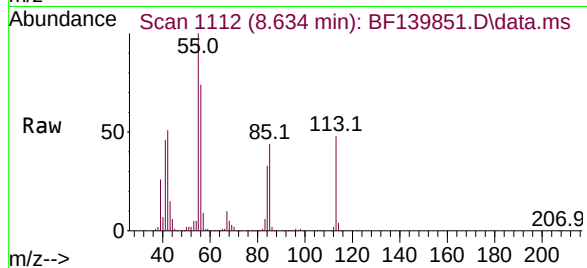
SSTDICC080

Tgt Ion:113 Resp: 239184  
Ion Ratio Lower Upper  
113 100  
55 206.7 189.2 229.2  
56 152.7 132.5 172.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024  
Supervised By :mohammad ahmed 10/21/2024



#36

4-Chloro-3-methylphenol

Concen: 73.031 ng

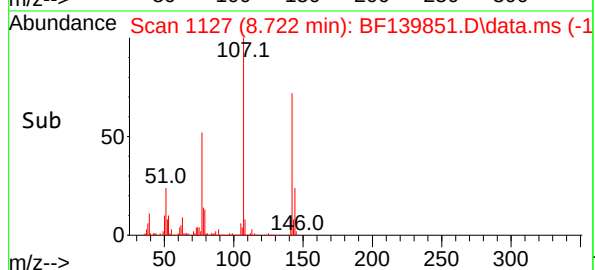
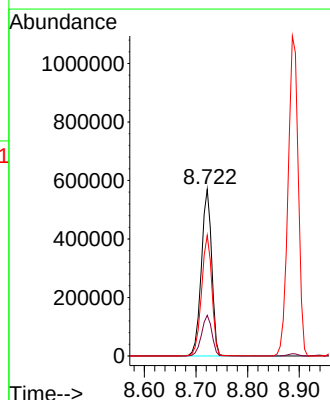
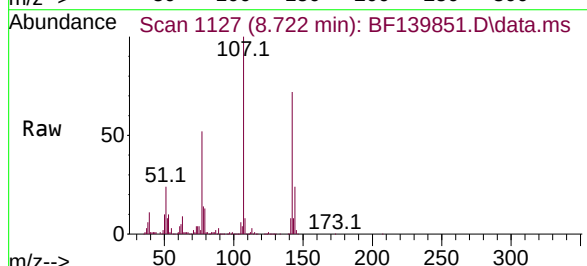
RT: 8.722 min Scan# 1127

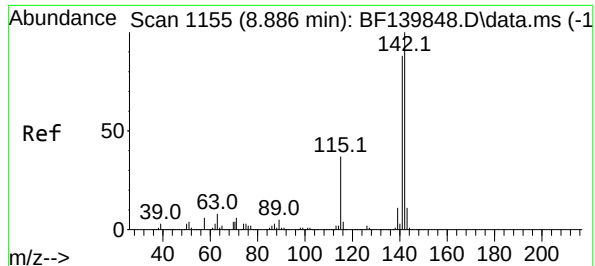
Delta R.T. 0.012 min

Lab File: BF139851.D

Acq: 18 Oct 2024 13:46

Tgt Ion:107 Resp: 794640  
Ion Ratio Lower Upper  
107 100  
144 24.4 19.1 28.7  
142 72.3 57.2 85.8





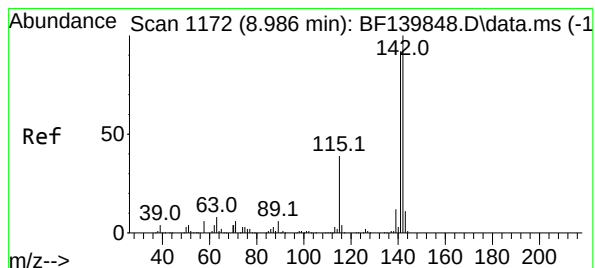
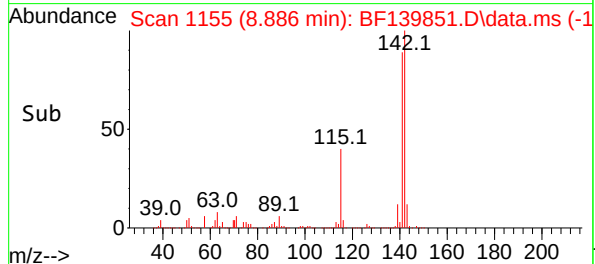
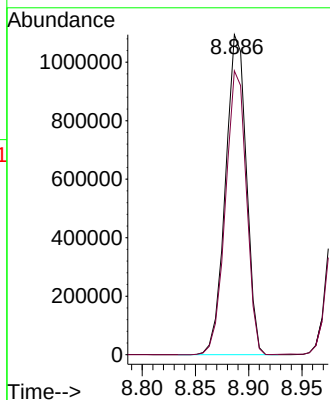
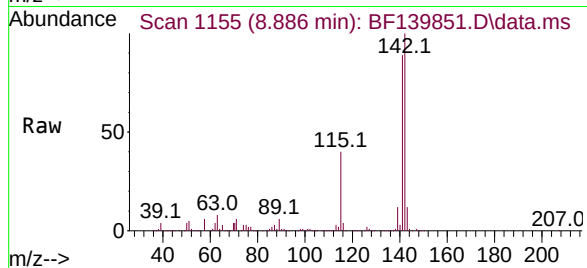
#37  
2-Methylnaphthalene  
Concen: 67.944 ng  
RT: 8.886 min Scan# 1155  
Delta R.T. 0.000 min  
Lab File: BF139851.D  
Acq: 18 Oct 2024 13:46

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC080

Tgt Ion:142 Resp: 148784  
Ion Ratio Lower Upper  
142 100  
141 88.7 70.8 106.2

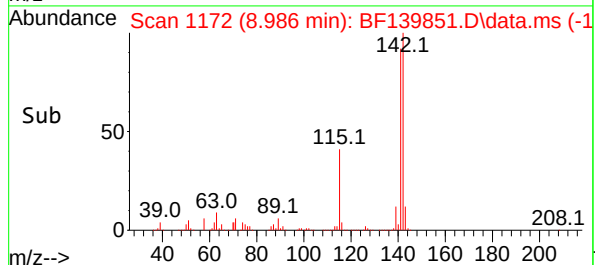
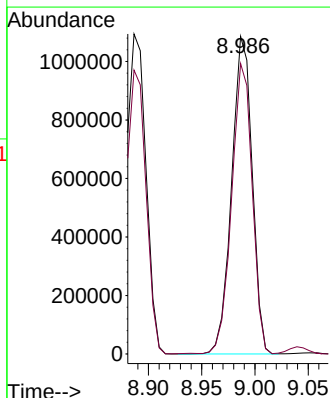
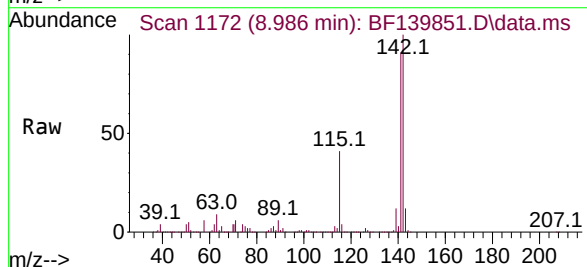
Manual Integrations  
APPROVED

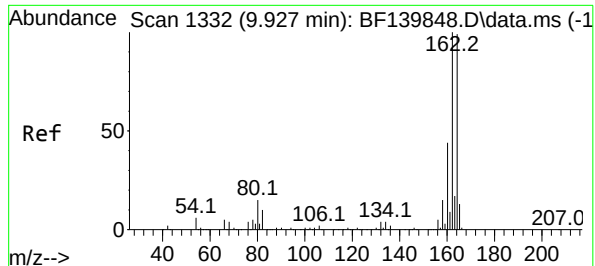
Reviewed By :Yogesh Patel 10/21/2024  
Supervised By :mohammad ahmed 10/21/2024



#38  
1-Methylnaphthalene  
Concen: 67.858 ng  
RT: 8.986 min Scan# 1172  
Delta R.T. 0.000 min  
Lab File: BF139851.D  
Acq: 18 Oct 2024 13:46

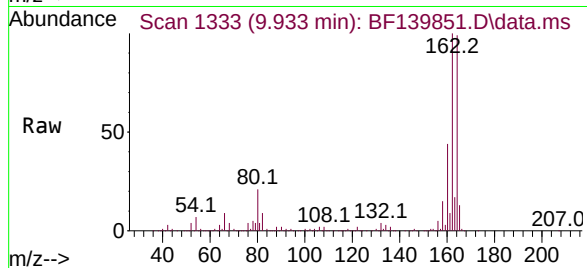
Tgt Ion:142 Resp: 1457890  
Ion Ratio Lower Upper  
142 100  
141 91.4 73.5 110.3





#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.933 min Scan# 1183  
Delta R.T. 0.006 min  
Lab File: BF139851.D  
Acq: 18 Oct 2024 13:46

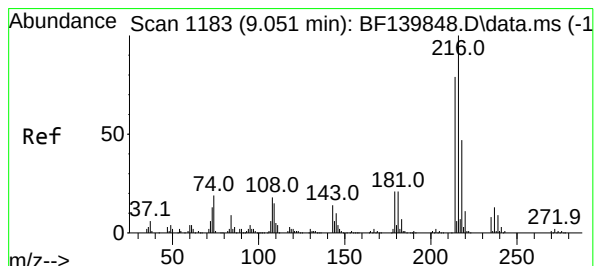
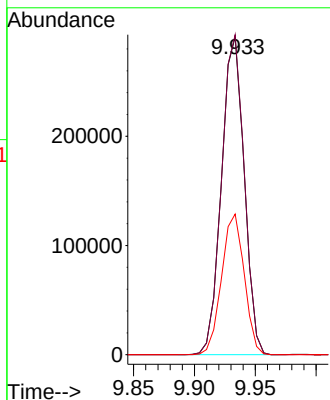
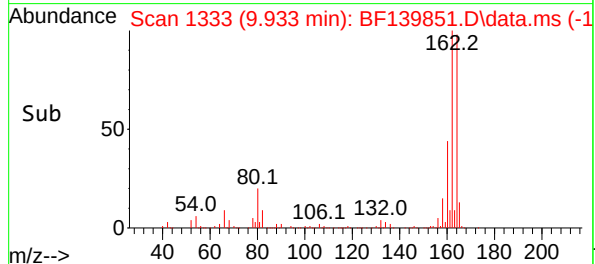
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC080



Tgt Ion:164 Resp: 37772  
Ion Ratio Lower Upper  
164 100  
162 100.7 81.0 121.4  
160 44.3 35.4 53.0

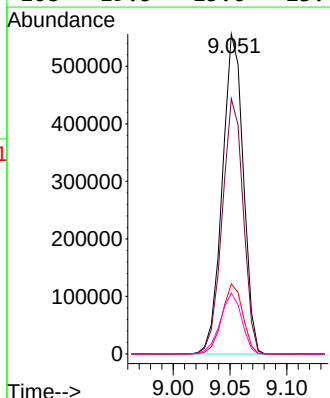
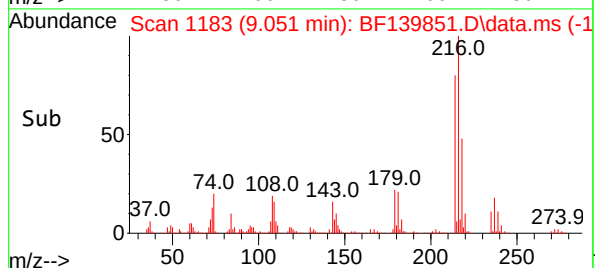
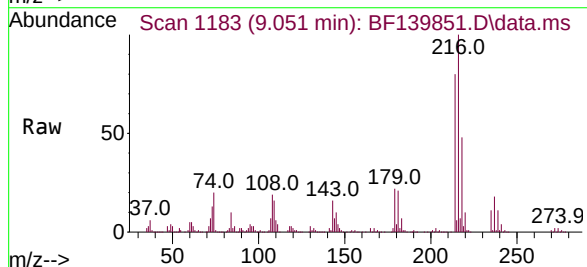
Manual Integrations  
APPROVED

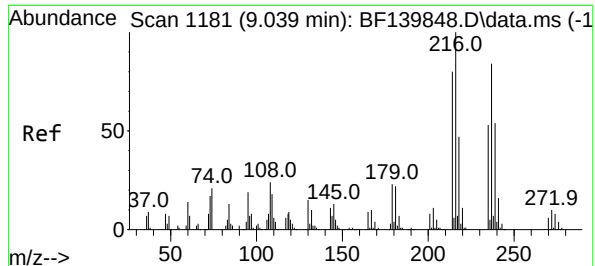
Reviewed By :Yogesh Patel 10/21/2024  
Supervised By :mohammad ahmed 10/21/2024



#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 69.962 ng  
RT: 9.051 min Scan# 1183  
Delta R.T. 0.000 min  
Lab File: BF139851.D  
Acq: 18 Oct 2024 13:46

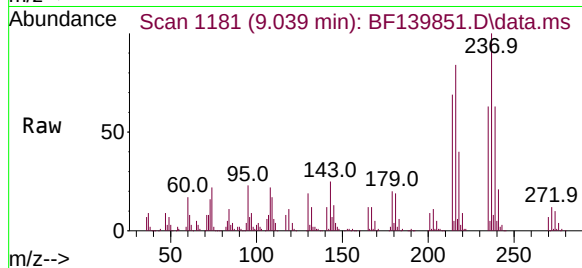
Tgt Ion:216 Resp: 712936  
Ion Ratio Lower Upper  
216 100  
214 79.7 63.4 95.0  
179 21.7 17.2 25.8  
108 19.5 15.6 23.4





#41  
Hexachlorocyclopentadiene  
Concen: 72.201 ng  
RT: 9.039 min Scan# 1181  
Delta R.T. 0.000 min  
Lab File: BF139851.D  
Acq: 18 Oct 2024 13:46

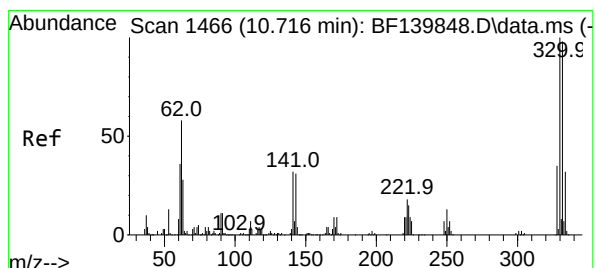
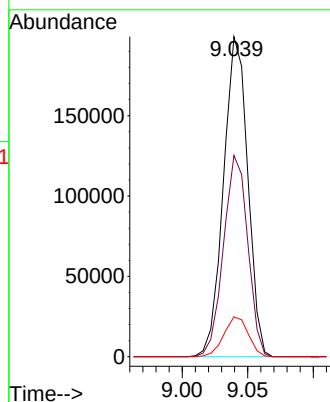
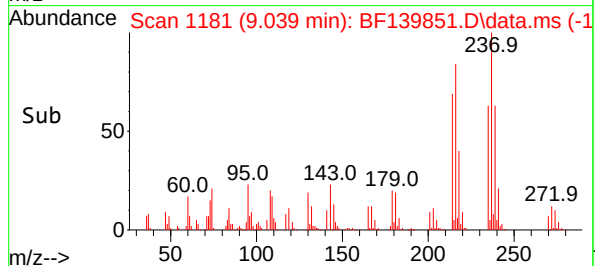
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC080



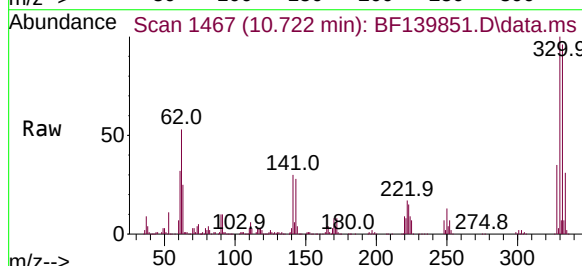
Tgt Ion: 237 Resp: 25600  
Ion Ratio Lower Upper  
237 100  
235 62.9 42.9 82.9  
272 12.5 0.0 32.3

Manual Integrations  
APPROVED

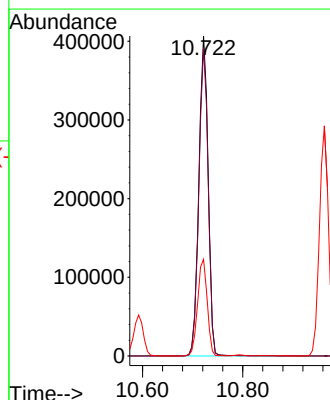
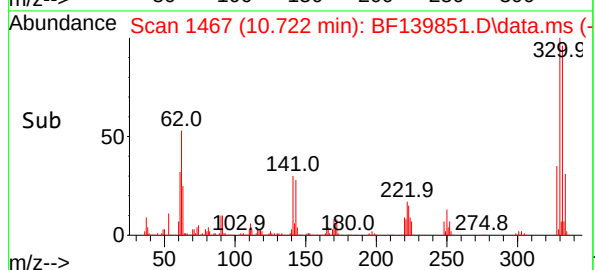
Reviewed By : Yogesh Patel 10/21/2024  
Supervised By : mohammad ahmed 10/21/2024

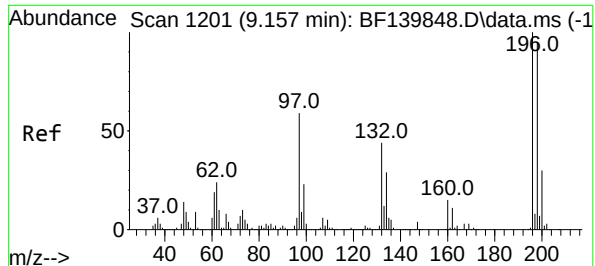


#42  
2,4,6-Tribromophenol  
Concen: 147.845 ng  
RT: 10.722 min Scan# 1467  
Delta R.T. 0.006 min  
Lab File: BF139851.D  
Acq: 18 Oct 2024 13:46



Tgt Ion: 330 Resp: 522350  
Ion Ratio Lower Upper  
330 100  
332 96.0 78.1 117.1  
141 31.2 26.6 39.8





#43

2,4,6-Trichlorophenol

Concen: 74.228 ng

RT: 9.163 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF139851.D

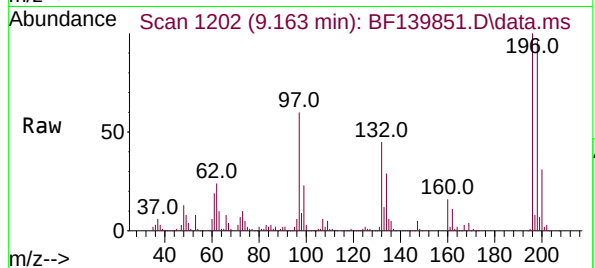
Acq: 18 Oct 2024 13:46

Instrument :

BNA\_F

ClientSampleId :

SSTDICC080



Tgt Ion:196 Resp: 53553

Ion Ratio Lower Upper

196 100

198 96.0 76.2 114.2

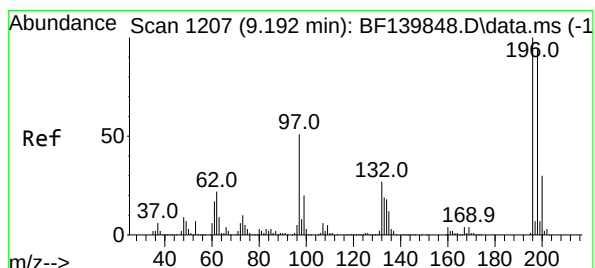
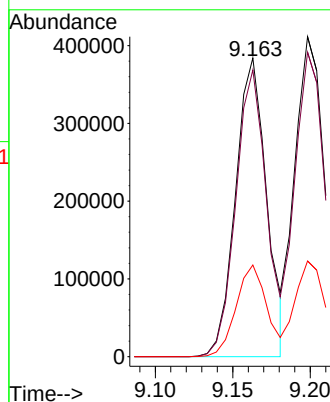
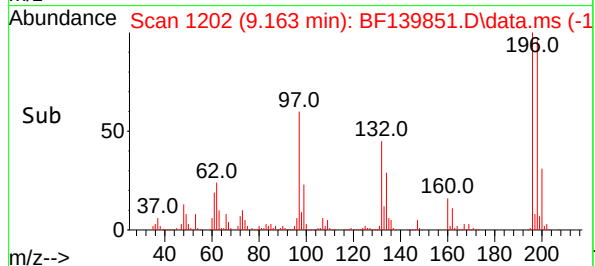
200 30.7 24.0 36.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#44

2,4,5-Trichlorophenol

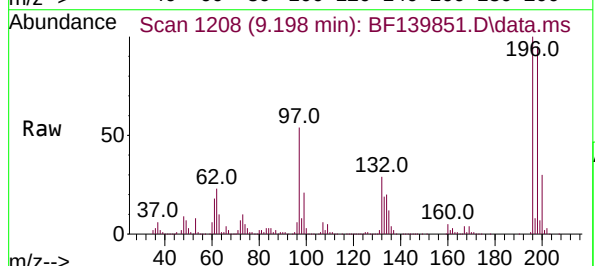
Concen: 72.904 ng

RT: 9.198 min Scan# 1208

Delta R.T. 0.006 min

Lab File: BF139851.D

Acq: 18 Oct 2024 13:46



Tgt Ion:196 Resp: 542663

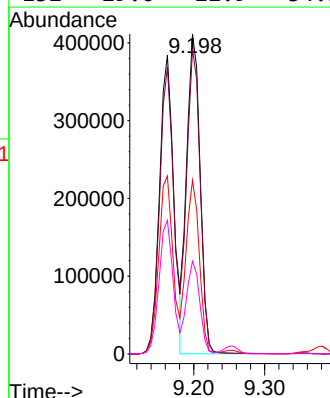
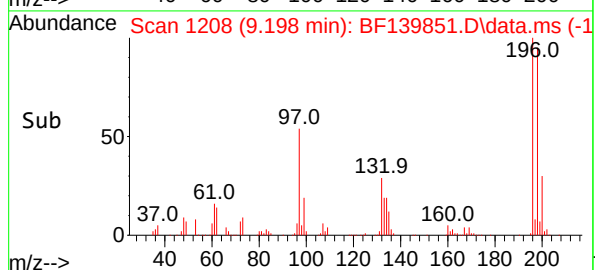
Ion Ratio Lower Upper

196 100

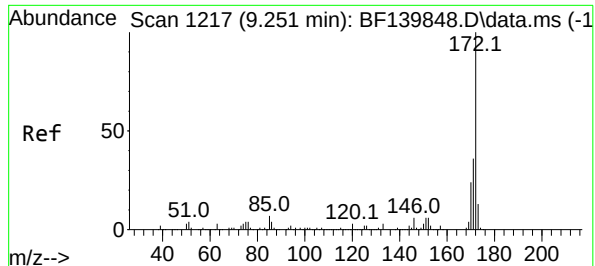
198 95.2 75.8 113.6

97 54.3 41.8 62.6

132 29.0 22.9 34.3







#45

2-Fluorobiphenyl

Concen: 128.689 ng

RT: 9.251 min Scan# 1217

Delta R.T. 0.000 min

Lab File: BF139851.D

Acq: 18 Oct 2024 13:46

Instrument :

BNA\_F

ClientSampleId :

SSTDICC080

Tgt Ion:172 Resp: 2941186

Ion Ratio Lower Upper

172 100

171 36.6 28.6 43.0

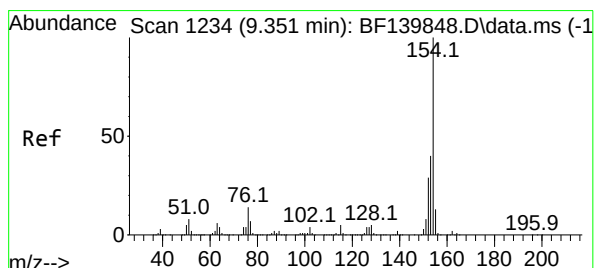
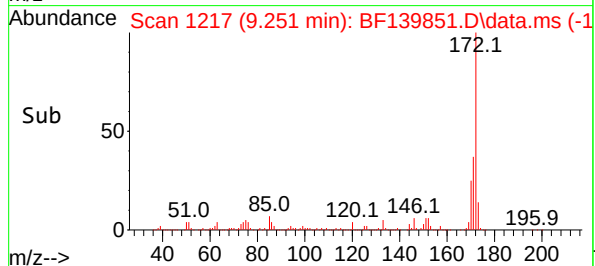
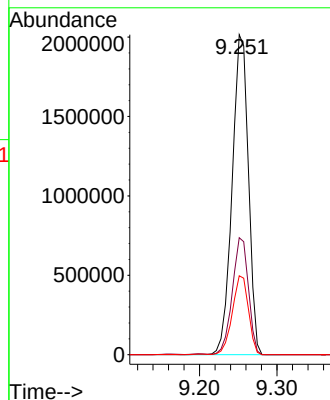
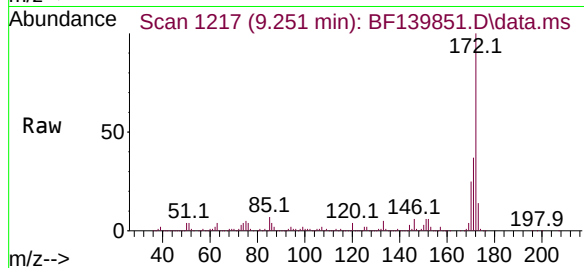
170 24.7 19.1 28.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#46

1,1'-Biphenyl

Concen: 66.703 ng

RT: 9.357 min Scan# 1235

Delta R.T. 0.006 min

Lab File: BF139851.D

Acq: 18 Oct 2024 13:46

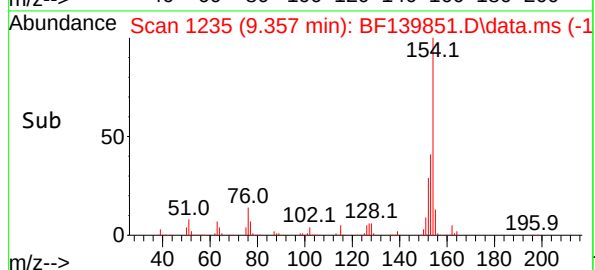
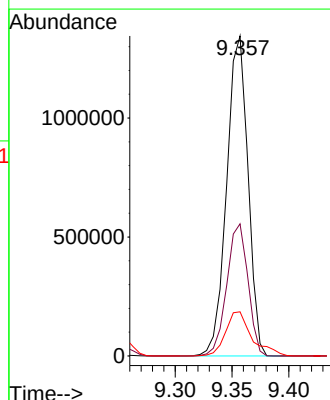
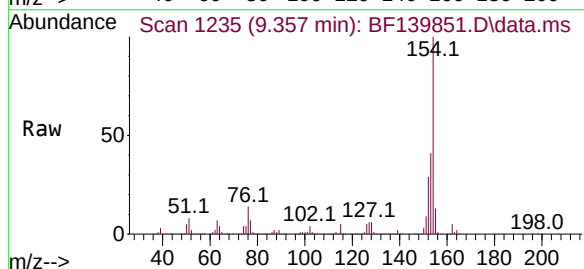
Tgt Ion:154 Resp: 1753952

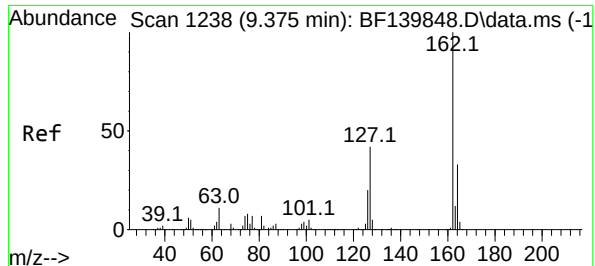
Ion Ratio Lower Upper

154 100

153 41.3 20.3 60.3

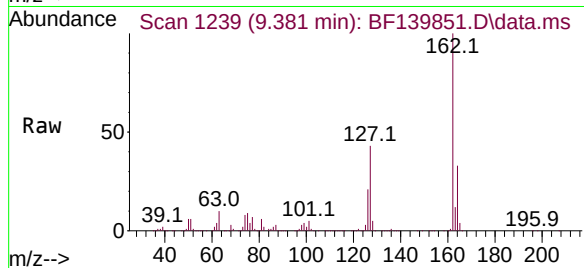
76 13.8 0.0 33.9





#47  
2-Chloronaphthalene  
Concen: 69.411 ng  
RT: 9.381 min Scan# 1239  
Delta R.T. 0.006 min  
Lab File: BF139851.D  
Acq: 18 Oct 2024 13:46

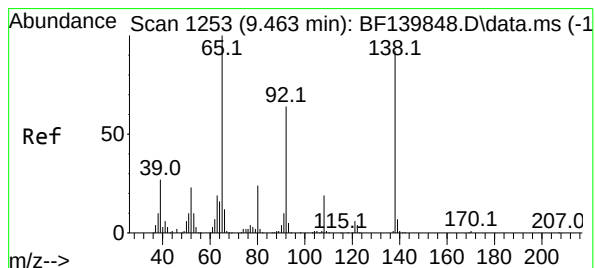
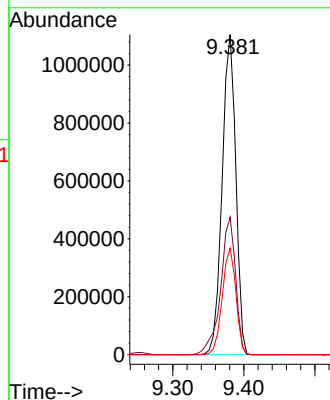
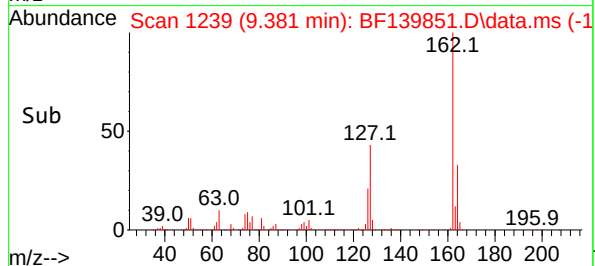
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC080



Tgt Ion:162 Resp: 147001  
Ion Ratio Lower Upper  
162 100  
127 43.0 33.8 50.6  
164 33.3 26.6 39.8

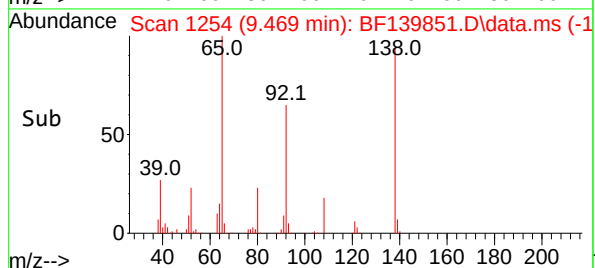
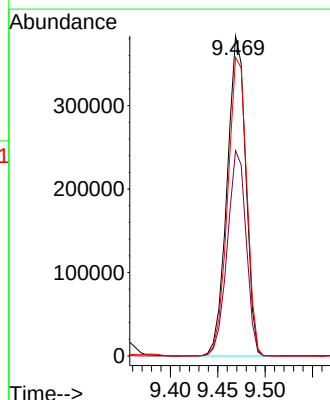
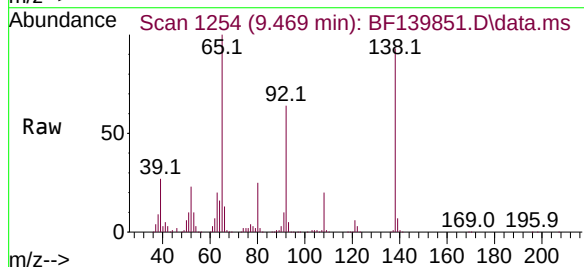
Manual Integrations  
APPROVED

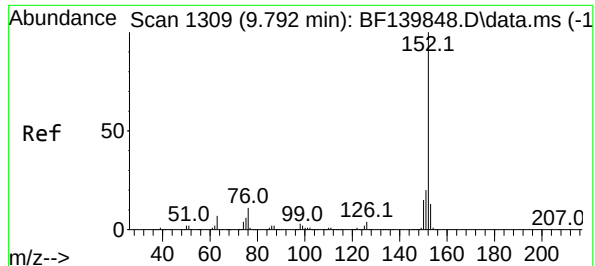
Reviewed By :Yogesh Patel 10/21/2024  
Supervised By :mohammad ahmed 10/21/2024



#48  
2-Nitroaniline  
Concen: 81.447 ng  
RT: 9.469 min Scan# 1254  
Delta R.T. 0.006 min  
Lab File: BF139851.D  
Acq: 18 Oct 2024 13:46

Tgt Ion: 65 Resp: 527552  
Ion Ratio Lower Upper  
65 100  
92 64.1 50.9 76.3  
138 93.3 73.4 110.0





#49

Acenaphthylene

Concen: 68.796 ng

RT: 9.792 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF139851.D

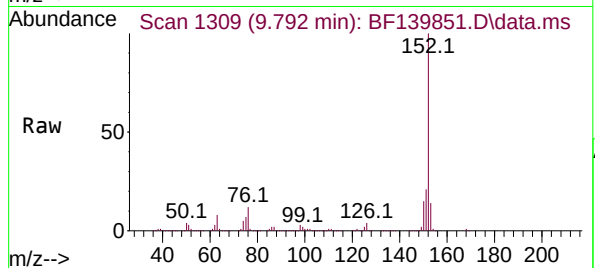
Acq: 18 Oct 2024 13:46

Instrument :

BNA\_F

ClientSampleId :

SSTDICC080



Tgt Ion:152 Resp: 210635

Ion Ratio Lower Upper

152 100

151 20.5 15.9 23.9

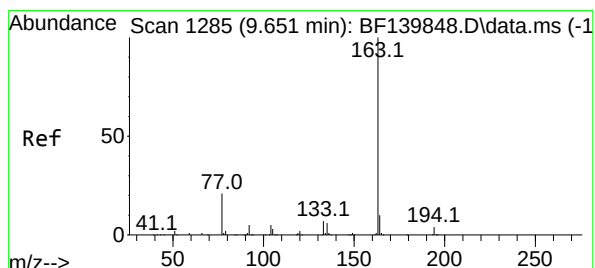
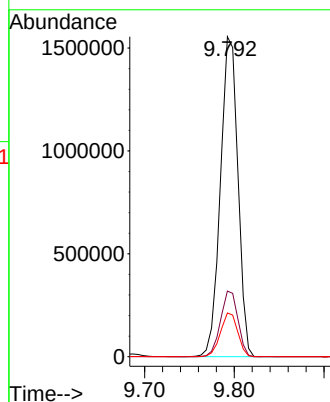
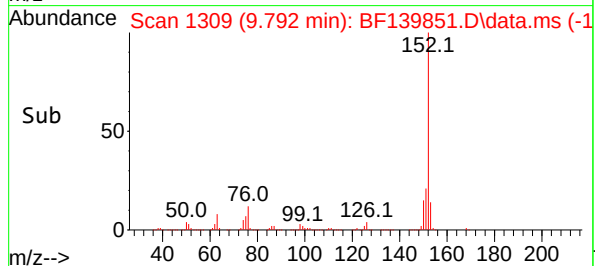
153 13.7 10.7 16.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#50

Dimethylphthalate

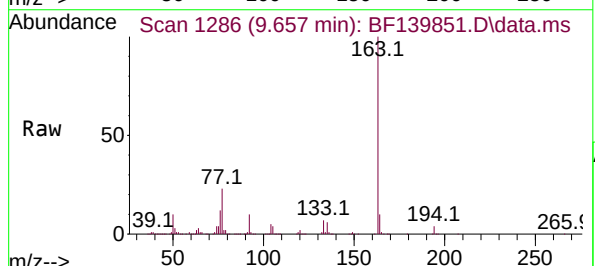
Concen: 71.277 ng

RT: 9.657 min Scan# 1286

Delta R.T. 0.006 min

Lab File: BF139851.D

Acq: 18 Oct 2024 13:46



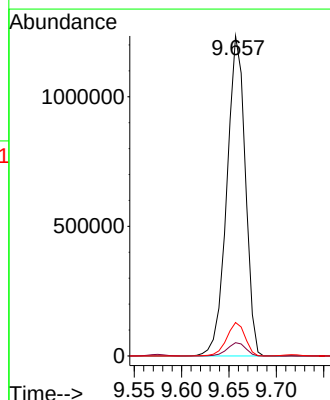
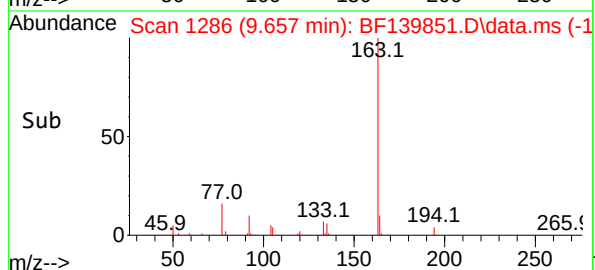
Tgt Ion:163 Resp: 1676969

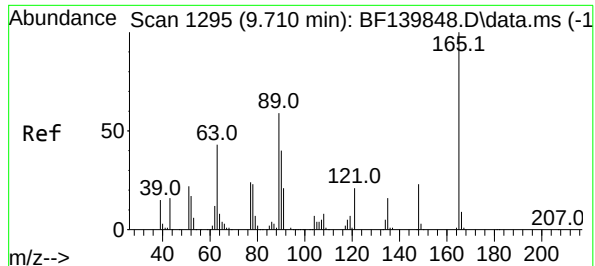
Ion Ratio Lower Upper

163 100

194 4.2 3.4 5.0

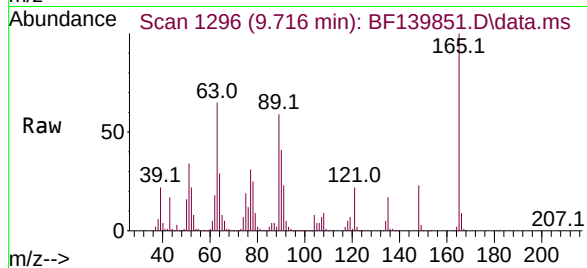
164 10.5 8.2 12.2





#51  
2,6-Dinitrotoluene  
Concen: 77.193 ng  
RT: 9.716 min Scan# 1295  
Delta R.T. 0.006 min  
Lab File: BF139851.D  
Acq: 18 Oct 2024 13:46

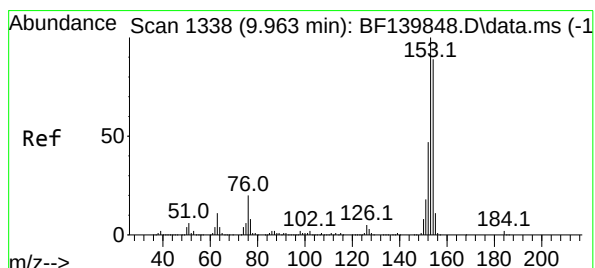
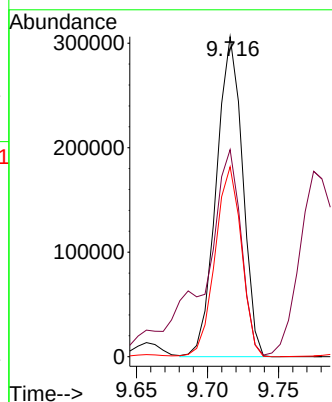
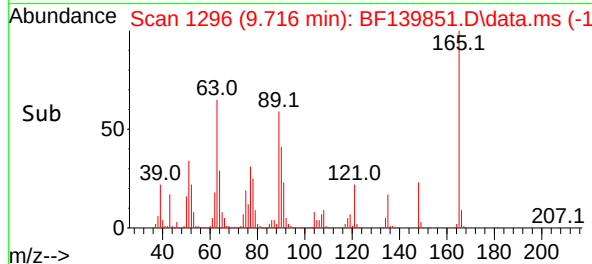
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC080



Tgt Ion:165 Resp: 393234  
Ion Ratio Lower Upper  
165 100  
63 64.7 50.6 75.8  
89 59.4 47.5 71.3

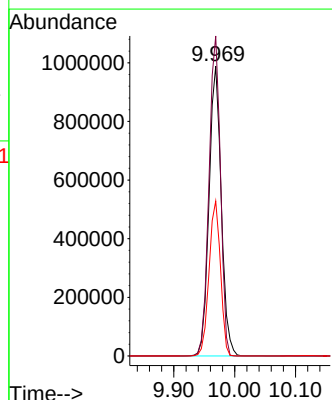
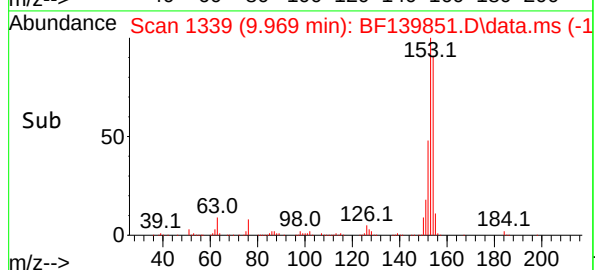
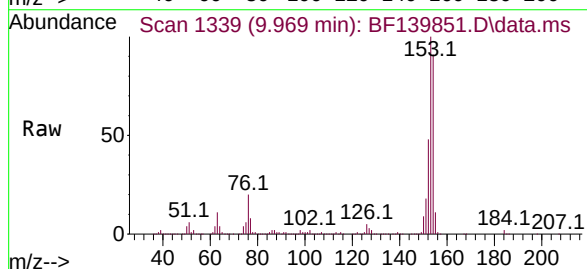
Manual Integrations  
APPROVED

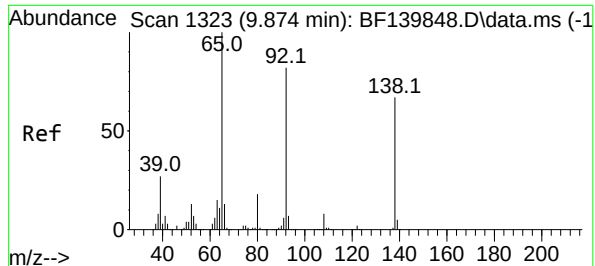
Reviewed By :Yogesh Patel 10/21/2024  
Supervised By :mohammad ahmed 10/21/2024



#52  
Acenaphthene  
Concen: 69.610 ng  
RT: 9.969 min Scan# 1339  
Delta R.T. 0.006 min  
Lab File: BF139851.D  
Acq: 18 Oct 2024 13:46

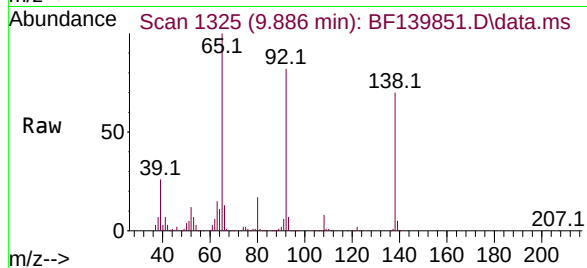
Tgt Ion:154 Resp: 1378724  
Ion Ratio Lower Upper  
154 100  
153 110.4 89.8 134.6  
152 53.4 42.4 63.6





#53  
3-Nitroaniline  
Concen: 73.697 ng  
RT: 9.886 min Scan# 11  
Delta R.T. 0.012 min  
Lab File: BF139851.D  
Acq: 18 Oct 2024 13:46

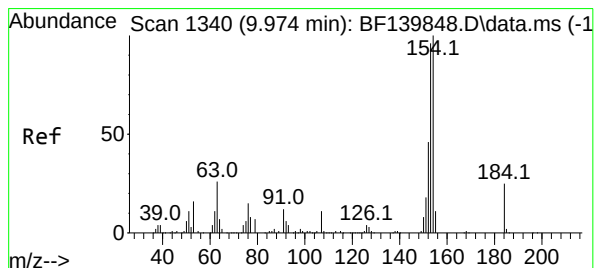
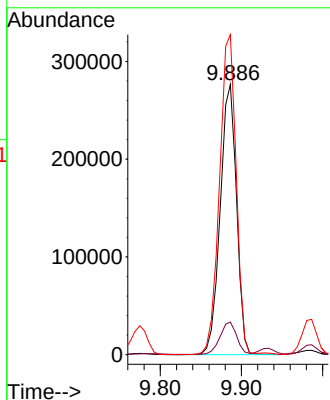
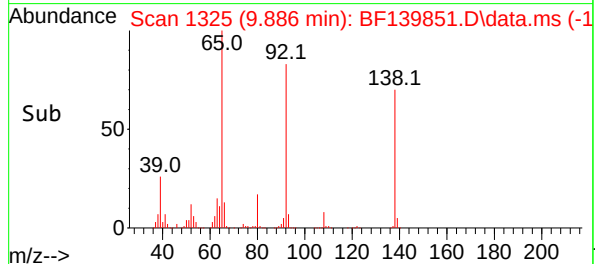
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC080



Tgt Ion:138 Resp: 38715  
Ion Ratio Lower Upper  
138 100  
108 12.1 10.2 15.2  
92 118.4 98.3 147.5

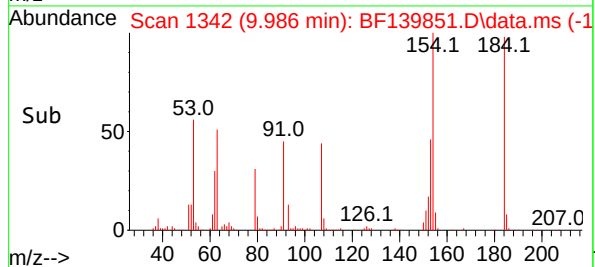
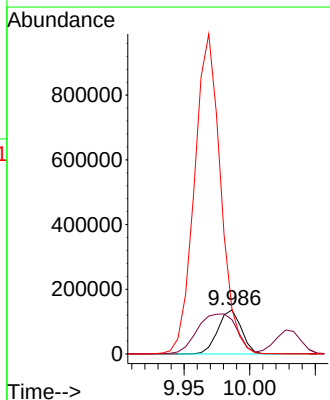
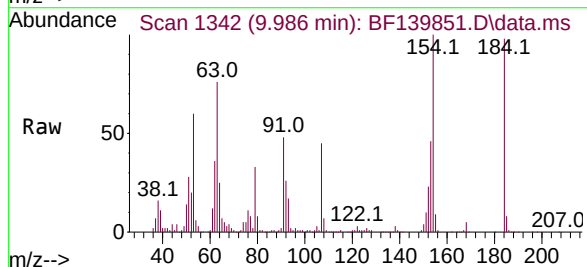
Manual Integrations  
APPROVED

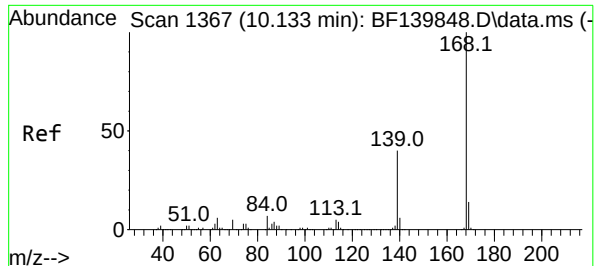
Reviewed By :Yogesh Patel 10/21/2024  
Supervised By :mohammad ahmed 10/21/2024



#54  
2,4-Dinitrophenol  
Concen: 79.932 ng  
RT: 9.986 min Scan# 1342  
Delta R.T. 0.012 min  
Lab File: BF139851.D  
Acq: 18 Oct 2024 13:46

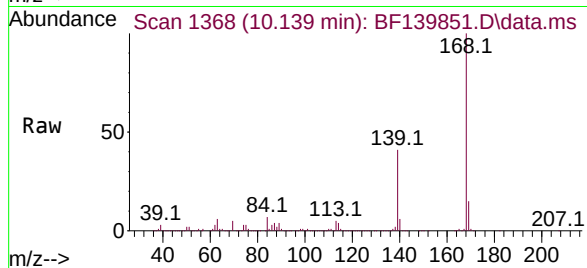
Tgt Ion:184 Resp: 169167  
Ion Ratio Lower Upper  
184 100  
63 77.7 84.7 127.1#  
154 102.0 338.2 507.2#





#55  
Dibenzenofuran  
Concen: 67.930 ng  
RT: 10.139 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: BF139851.D  
Acq: 18 Oct 2024 13:46

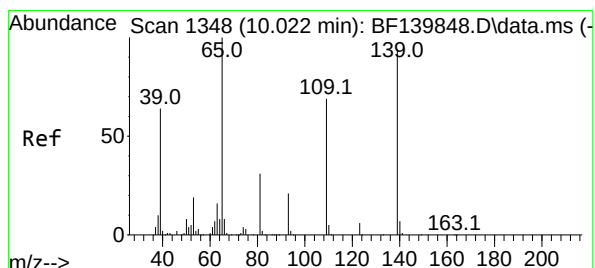
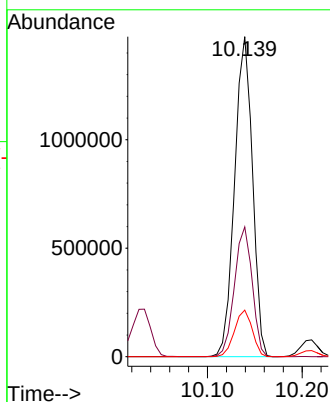
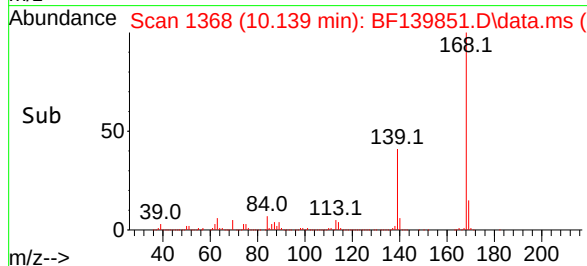
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC080



Tgt Ion:168 Resp: 193040  
Ion Ratio Lower Upper  
168 100  
139 40.6 31.8 47.6  
169 14.6 11.6 17.4

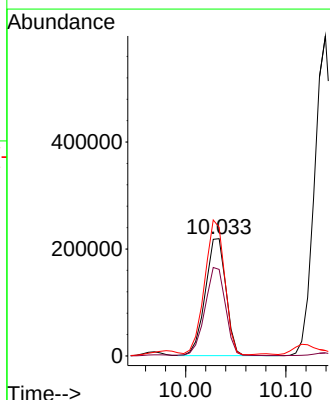
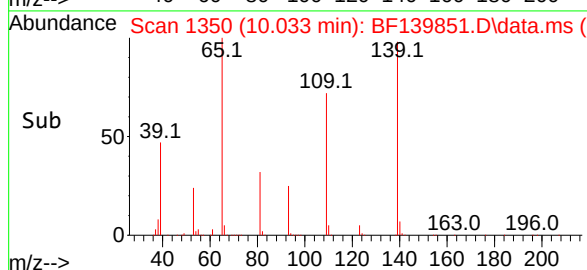
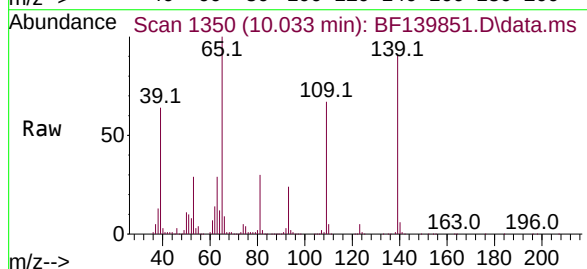
Manual Integrations  
APPROVED

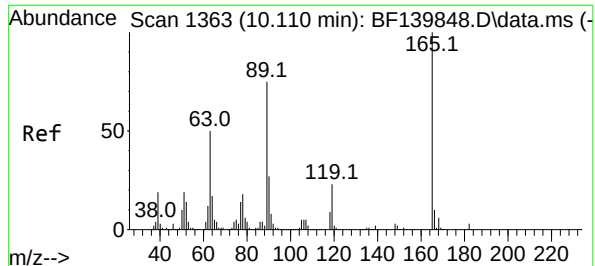
Reviewed By :Yogesh Patel 10/21/2024  
Supervised By :mohammad ahmed 10/21/2024



#56  
4-Nitrophenol  
Concen: 77.732 ng  
RT: 10.033 min Scan# 1350  
Delta R.T. 0.012 min  
Lab File: BF139851.D  
Acq: 18 Oct 2024 13:46

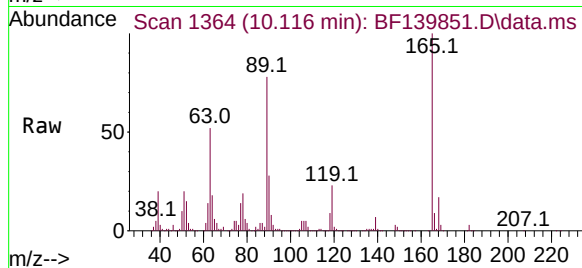
Tgt Ion:139 Resp: 314170  
Ion Ratio Lower Upper  
139 100  
109 73.7 53.6 93.6  
65 109.6 87.8 127.8





#57  
2,4-Dinitrotoluene  
Concen: 81.523 ng  
RT: 10.116 min Scan# 1364  
Delta R.T. 0.006 min  
Lab File: BF139851.D  
Acq: 18 Oct 2024 13:46

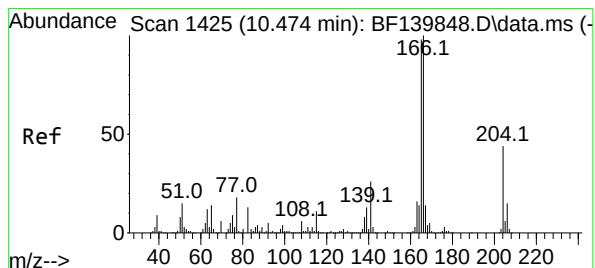
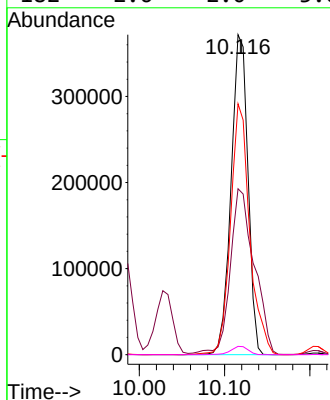
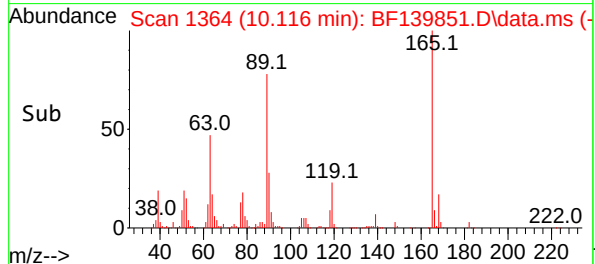
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC080



Tgt Ion:165 Resp: 51070  
Ion Ratio Lower Upper  
165 100  
63 51.9 40.1 60.1  
89 78.4 60.4 90.6  
182 2.6 2.0 3.0

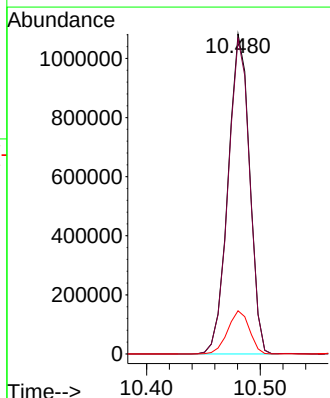
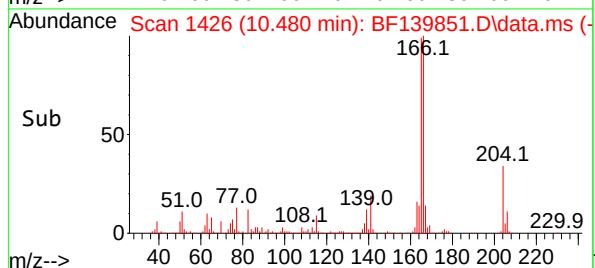
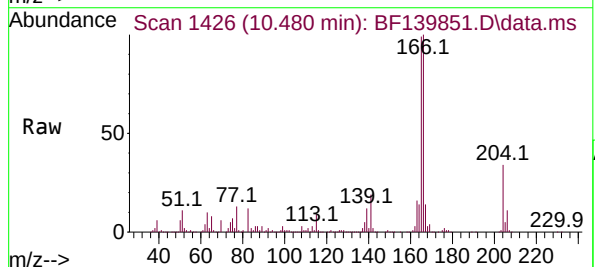
Manual Integrations  
APPROVED

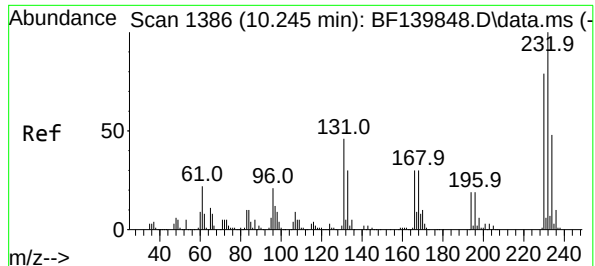
Reviewed By :Yogesh Patel 10/21/2024  
Supervised By :mohammad ahmed 10/21/2024



#58  
Fluorene  
Concen: 65.920 ng  
RT: 10.480 min Scan# 1426  
Delta R.T. 0.006 min  
Lab File: BF139851.D  
Acq: 18 Oct 2024 13:46

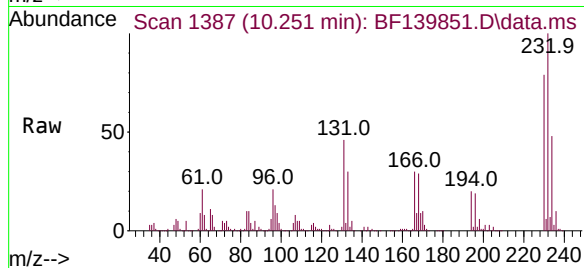
Tgt Ion:166 Resp: 1426794  
Ion Ratio Lower Upper  
166 100  
165 98.6 78.5 117.7  
167 13.5 10.9 16.3





#59  
2,3,4,6-Tetrachlorophenol  
Concen: 72.764 ng  
RT: 10.251 min Scan# 1386  
Delta R.T. 0.006 min  
Lab File: BF139851.D  
Acq: 18 Oct 2024 13:46

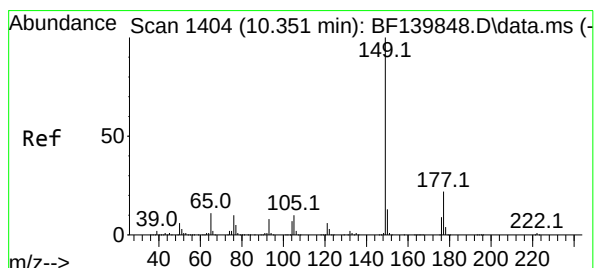
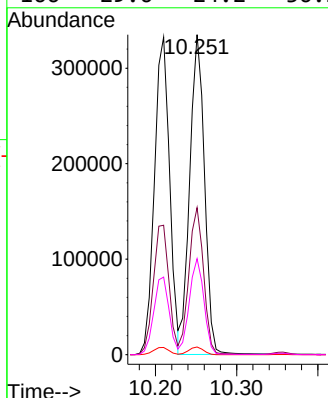
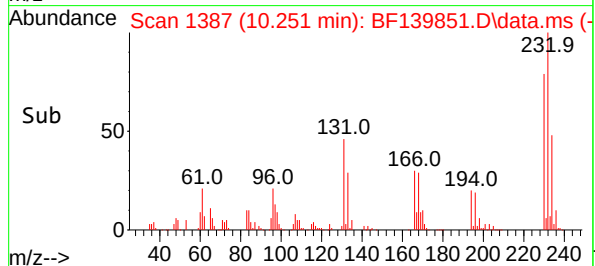
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC080



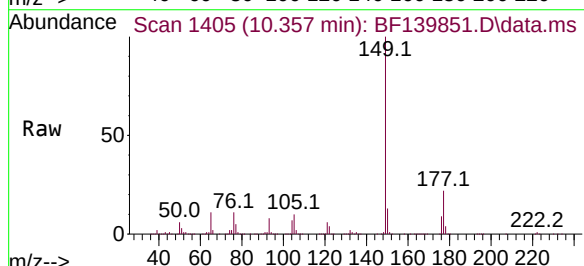
Tgt Ion:232 Resp: 424598  
Ion Ratio Lower Upper  
232 100  
131 45.6 37.0 55.6  
130 2.4 1.9 2.9  
166 29.6 24.2 36.2

Manual Integrations  
APPROVED

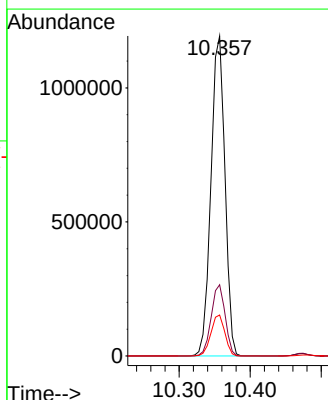
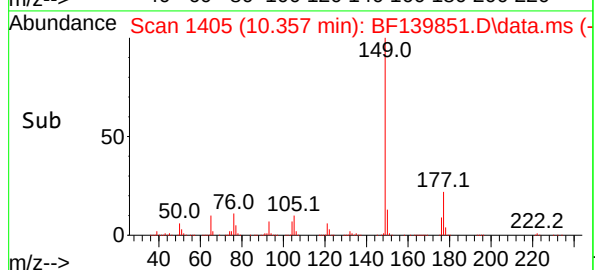
Reviewed By :Yogesh Patel 10/21/2024  
Supervised By :mohammad ahmed 10/21/2024



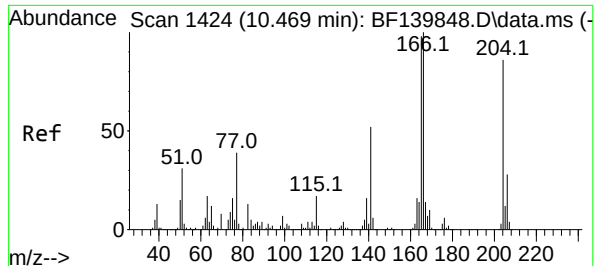
#60  
Diethylphthalate  
Concen: 70.641 ng  
RT: 10.357 min Scan# 1405  
Delta R.T. 0.006 min  
Lab File: BF139851.D  
Acq: 18 Oct 2024 13:46



Tgt Ion:149 Resp: 1631842  
Ion Ratio Lower Upper  
149 100  
177 22.2 17.9 26.9  
150 12.8 10.1 15.1

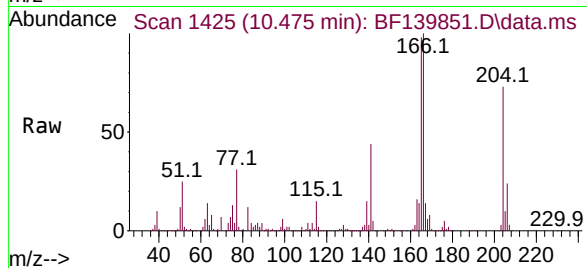






#61  
4-Chlorophenyl-phenylether  
Concen: 66.837 ng  
RT: 10.475 min Scan# 1425  
Delta R.T. 0.006 min  
Lab File: BF139851.D  
Acq: 18 Oct 2024 13:46

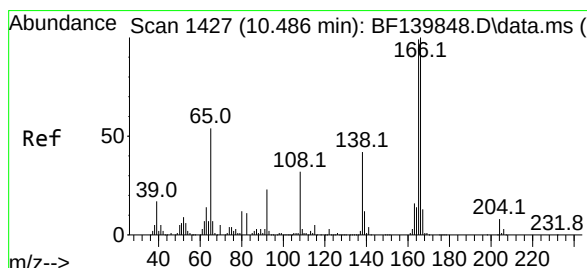
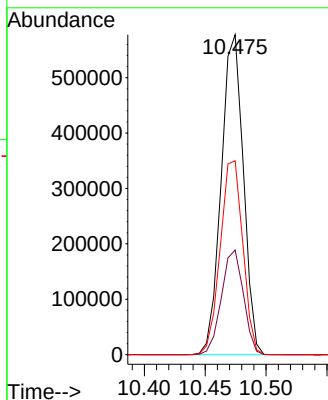
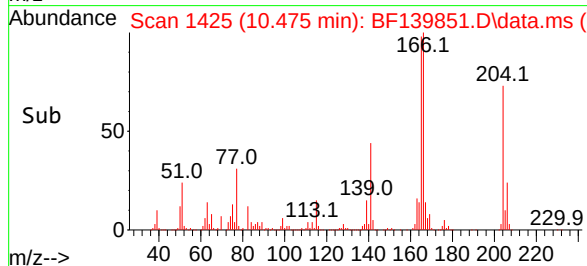
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC080



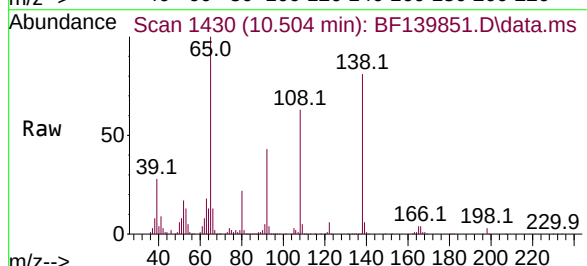
Tgt Ion:204 Resp: 73056  
Ion Ratio Lower Upper  
204 100  
206 32.7 26.3 39.5  
141 60.6 48.6 73.0

Manual Integrations  
APPROVED

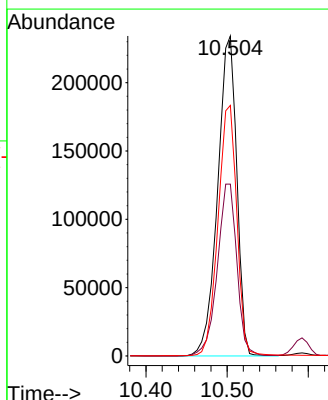
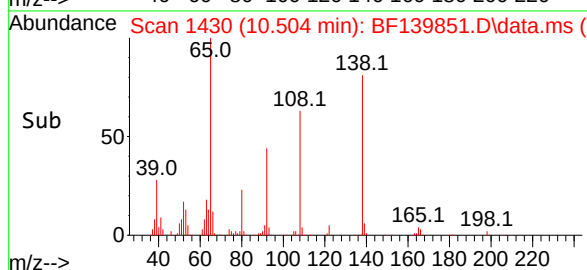
Reviewed By :Yogesh Patel 10/21/2024  
Supervised By :mohammad ahmed 10/21/2024

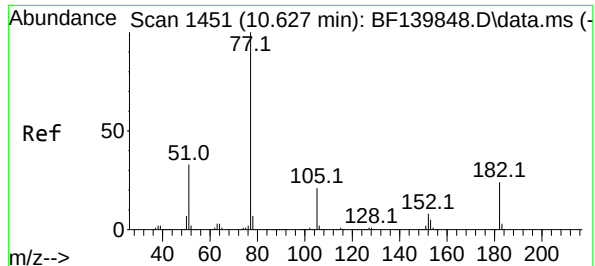


#62  
4-Nitroaniline  
Concen: 77.270 ng  
RT: 10.504 min Scan# 1430  
Delta R.T. 0.018 min  
Lab File: BF139851.D  
Acq: 18 Oct 2024 13:46



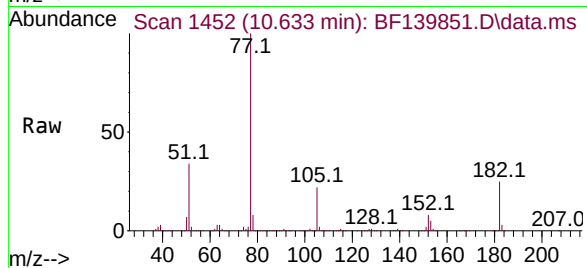
Tgt Ion:138 Resp: 383383  
Ion Ratio Lower Upper  
138 100  
92 53.7 35.7 75.7  
108 78.3 57.5 97.5





#63  
Azobenzene  
Concen: 70.539 ng  
RT: 10.633 min Scan# 1451  
Delta R.T. 0.006 min  
Lab File: BF139851.D  
Acq: 18 Oct 2024 13:46

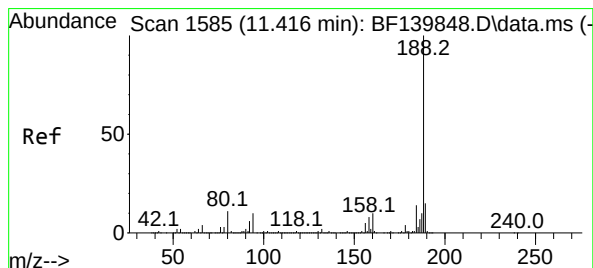
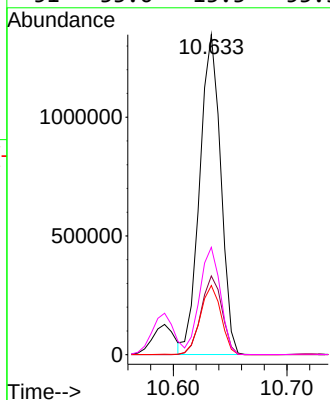
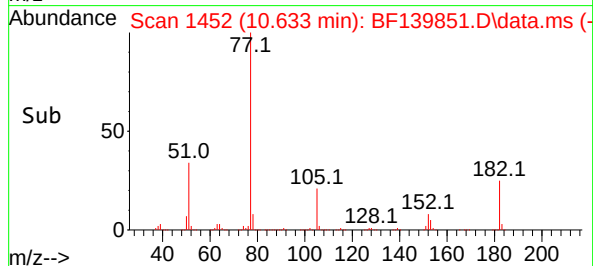
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC080



Tgt Ion: 77 Resp: 172753  
Ion Ratio Lower Upper  
77 100  
182 24.6 3.3 43.3  
105 21.6 1.2 41.2  
51 33.6 13.3 53.3

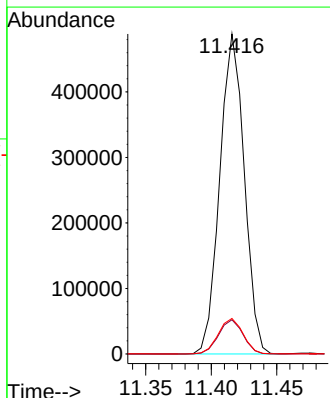
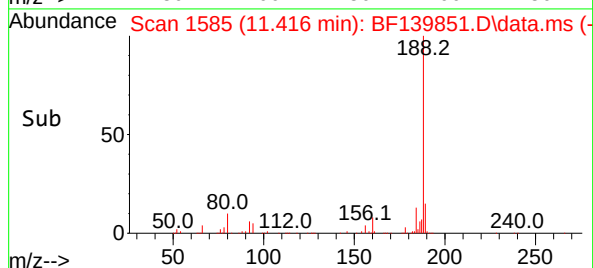
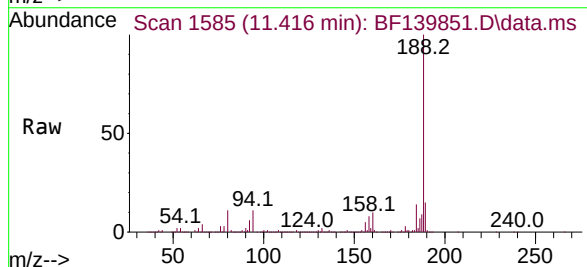
Manual Integrations  
APPROVED

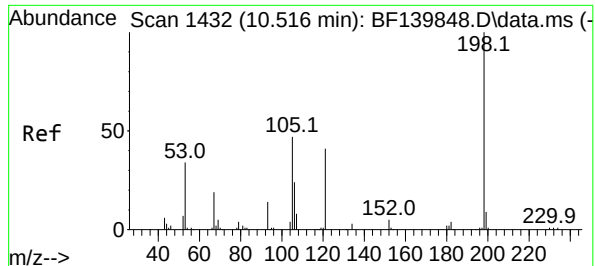
Reviewed By :Yogesh Patel 10/21/2024  
Supervised By :mohammad ahmed 10/21/2024



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.416 min Scan# 1585  
Delta R.T. 0.000 min  
Lab File: BF139851.D  
Acq: 18 Oct 2024 13:46

Tgt Ion:188 Resp: 633721  
Ion Ratio Lower Upper  
188 100  
94 10.7 7.9 11.9  
80 11.1 9.0 13.4





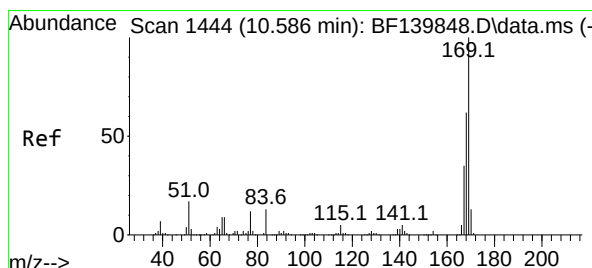
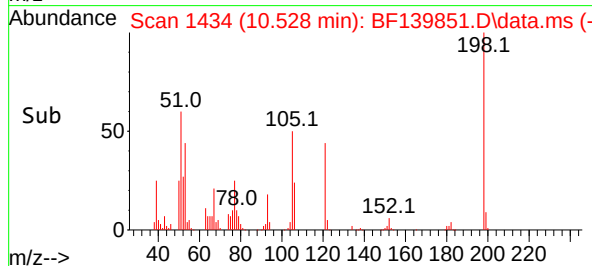
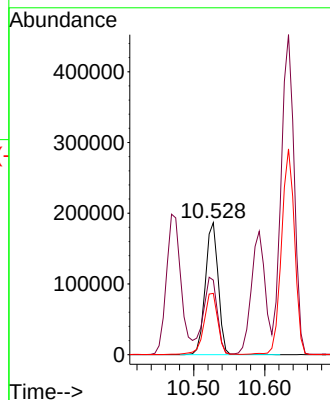
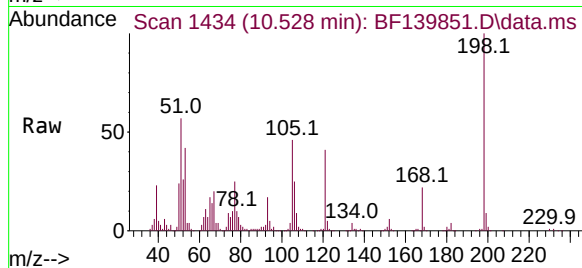
#65  
4,6-Dinitro-2-methylphenol  
Concen: 91.037 ng  
RT: 10.528 min Scan# 1434  
Delta R.T. 0.012 min  
Lab File: BF139851.D  
Acq: 18 Oct 2024 13:46

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC080

Tgt Ion:198 Resp: 23532  
Ion Ratio Lower Upper  
198 100  
51 56.5 38.2 78.2  
105 46.4 27.9 67.9

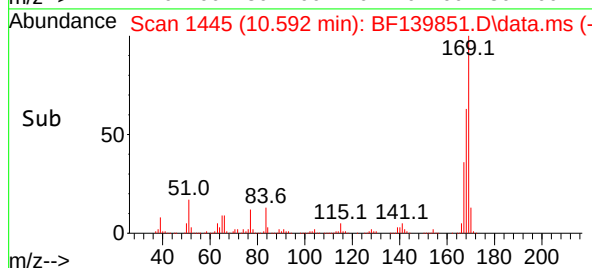
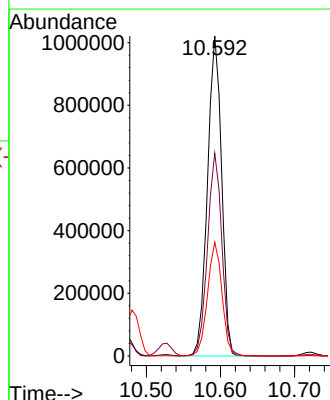
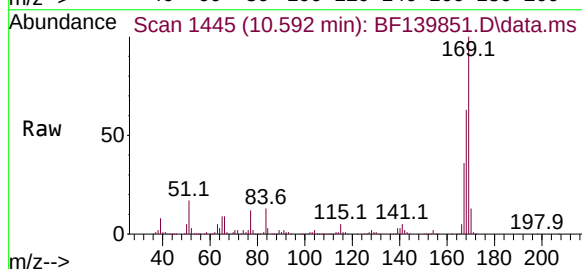
Manual Integrations  
APPROVED

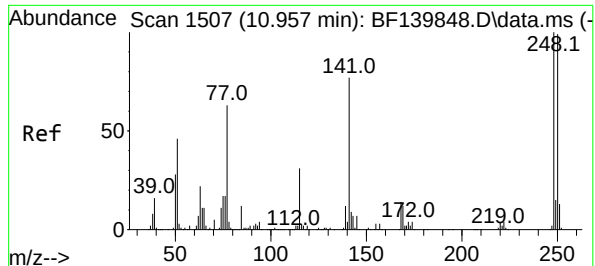
Reviewed By :Yogesh Patel 10/21/2024  
Supervised By :mohammad ahmed 10/21/2024



#66  
n-Nitrosodiphenylamine  
Concen: 71.220 ng  
RT: 10.592 min Scan# 1445  
Delta R.T. 0.006 min  
Lab File: BF139851.D  
Acq: 18 Oct 2024 13:46

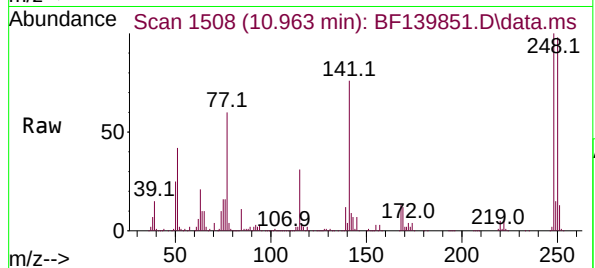
Tgt Ion:169 Resp: 1350839  
Ion Ratio Lower Upper  
169 100  
168 63.4 49.8 74.6  
167 35.5 28.0 42.0





#67  
4-Bromophenyl-phenylether  
Concen: 73.216 ng  
RT: 10.963 min Scan# 1508  
Delta R.T. 0.006 min  
Lab File: BF139851.D  
Acq: 18 Oct 2024 13:46

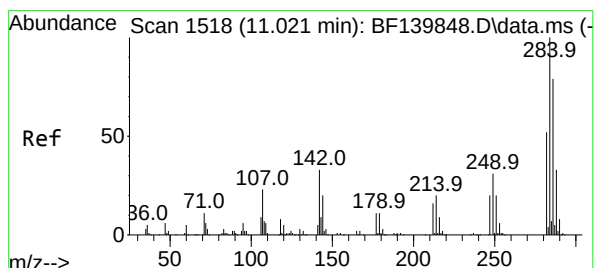
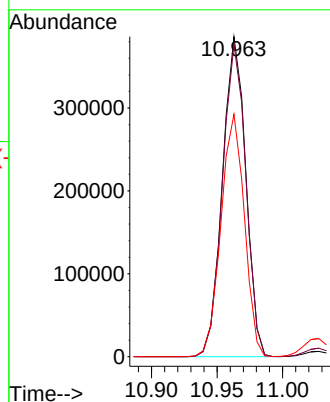
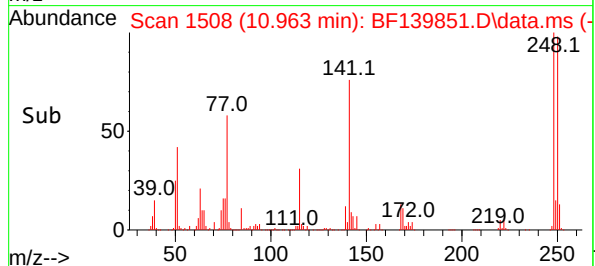
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC080



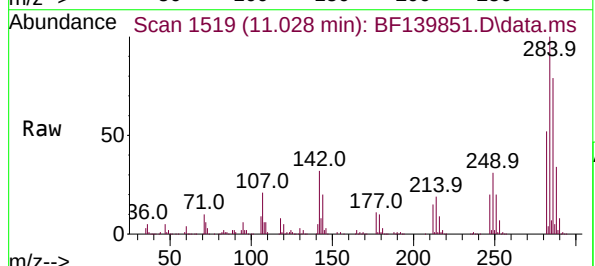
Tgt Ion:248 Resp: 477998  
Ion Ratio Lower Upper  
248 100  
250 97.5 79.0 118.6  
141 75.7 61.7 92.5

Manual Integrations  
APPROVED

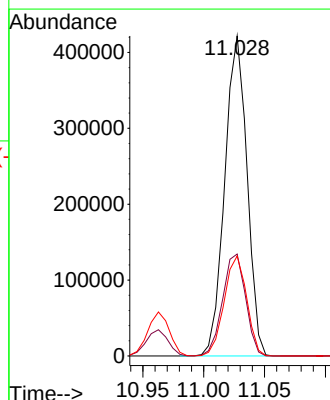
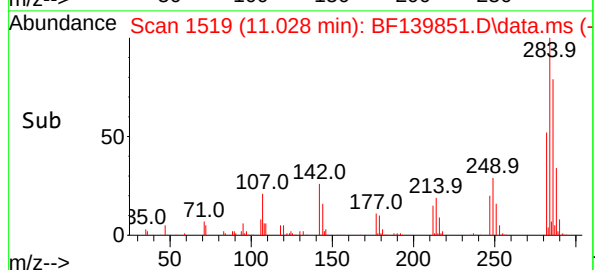
Reviewed By :Yogesh Patel 10/21/2024  
Supervised By :mohammad ahmed 10/21/2024

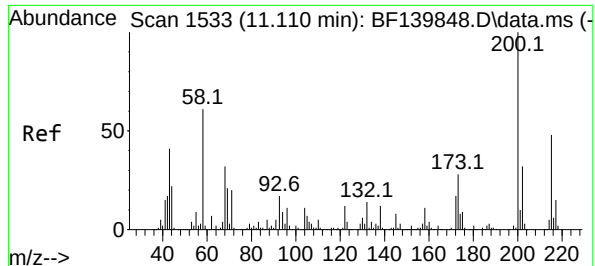


#68  
Hexachlorobenzene  
Concen: 73.070 ng  
RT: 11.028 min Scan# 1519  
Delta R.T. 0.006 min  
Lab File: BF139851.D  
Acq: 18 Oct 2024 13:46



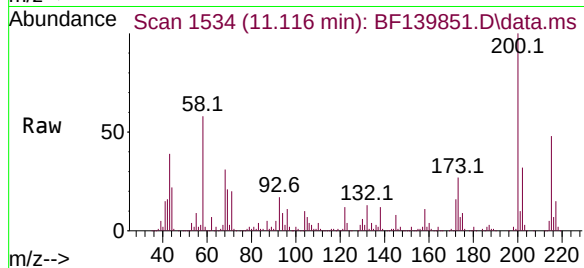
Tgt Ion:284 Resp: 536511  
Ion Ratio Lower Upper  
284 100  
142 31.9 26.9 40.3  
249 31.3 25.3 37.9





#69  
Atrazine  
Concen: 74.406 ng  
RT: 11.116 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: BF139851.D  
Acq: 18 Oct 2024 13:46

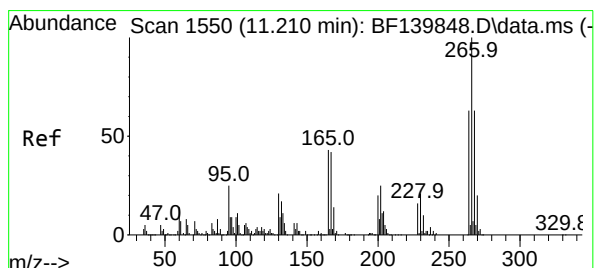
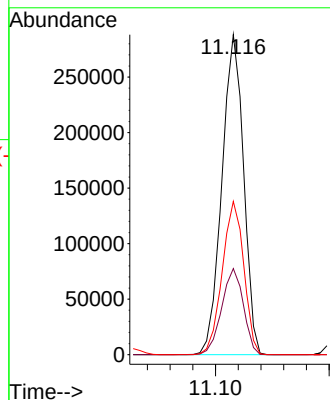
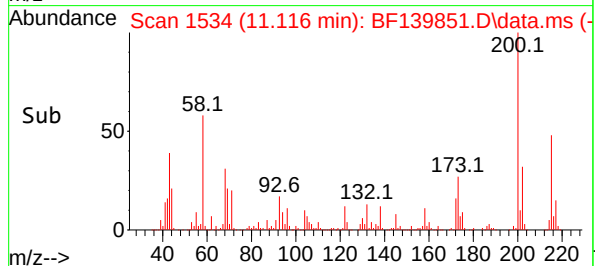
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC080



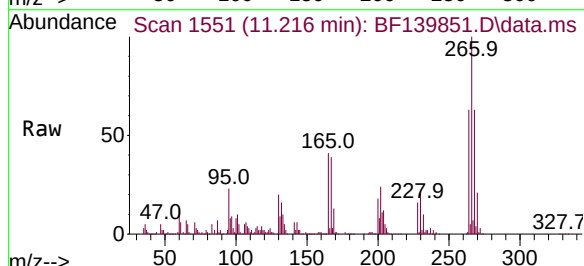
Tgt Ion:200 Resp: 382294  
Ion Ratio Lower Upper  
200 100  
173 26.9 7.7 47.7  
215 47.9 27.7 67.7

Manual Integrations  
APPROVED

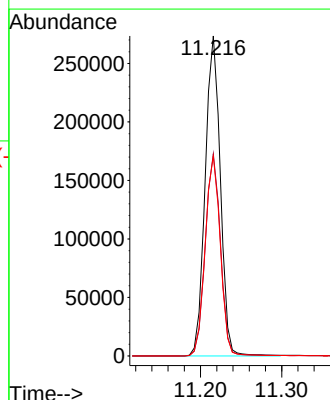
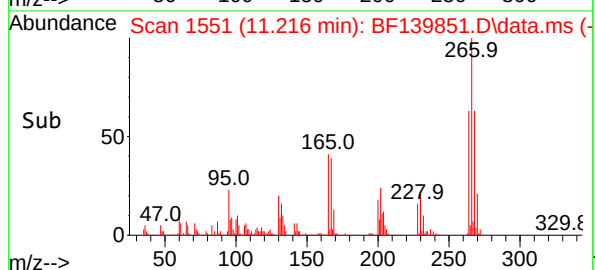
Reviewed By :Yogesh Patel 10/21/2024  
Supervised By :mohammad ahmed 10/21/2024

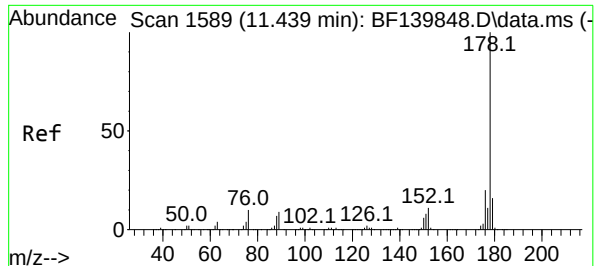


#70  
Pentachlorophenol  
Concen: 79.464 ng  
RT: 11.216 min Scan# 1551  
Delta R.T. 0.006 min  
Lab File: BF139851.D  
Acq: 18 Oct 2024 13:46



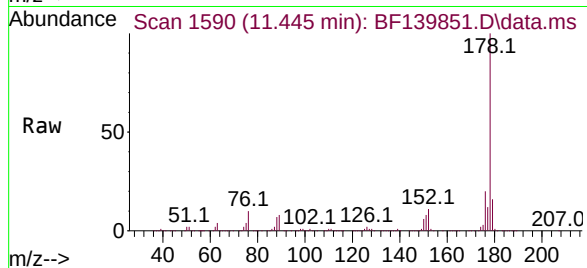
Tgt Ion:266 Resp: 354105  
Ion Ratio Lower Upper  
266 100  
268 63.1 50.4 75.6  
264 62.5 50.6 75.8





#71  
Phenanthrene  
Concen: 68.336 ng  
RT: 11.445 min Scan# 1590  
Delta R.T. 0.006 min  
Lab File: BF139851.D  
Acq: 18 Oct 2024 13:46

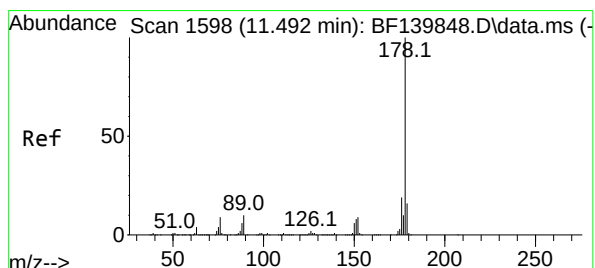
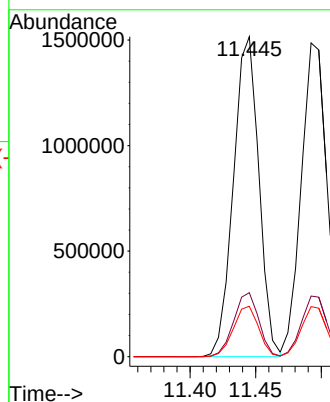
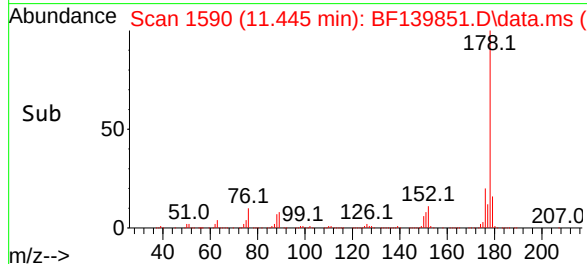
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC080



Tgt Ion:178 Resp: 204557  
Ion Ratio Lower Upper  
178 100  
176 20.0 15.8 23.6  
179 15.7 12.6 18.8

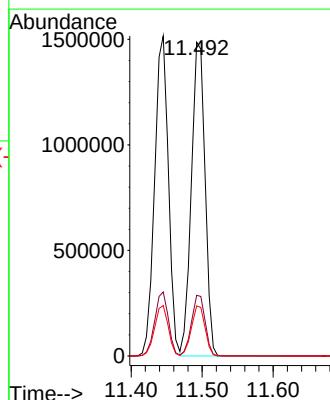
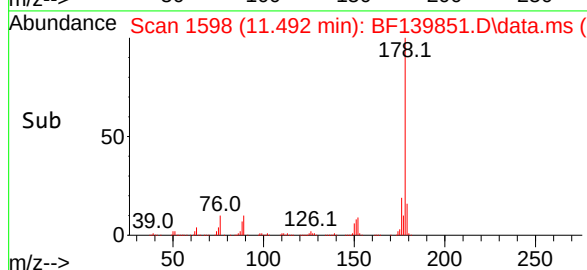
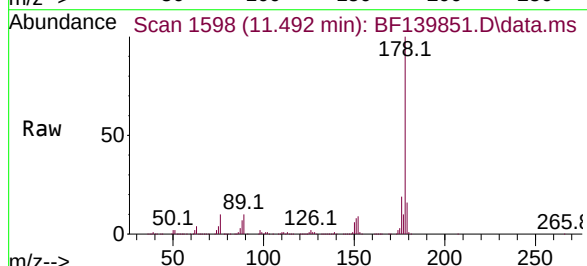
Manual Integrations  
APPROVED

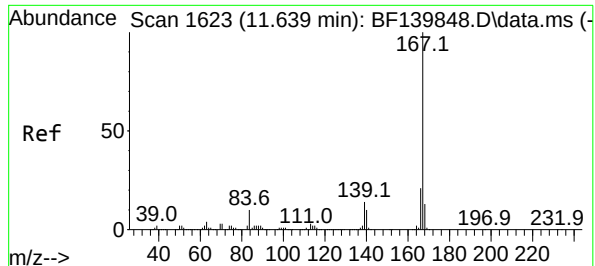
Reviewed By :Yogesh Patel 10/21/2024  
Supervised By :mohammad ahmed 10/21/2024



#72  
Anthracene  
Concen: 68.333 ng  
RT: 11.492 min Scan# 1598  
Delta R.T. 0.000 min  
Lab File: BF139851.D  
Acq: 18 Oct 2024 13:46

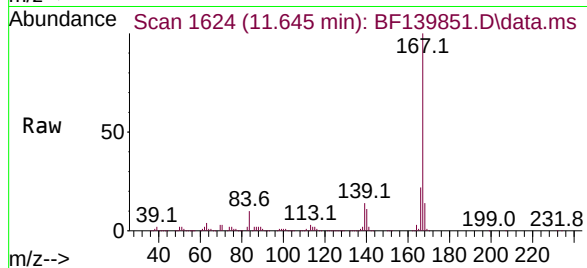
Tgt Ion:178 Resp: 1995750  
Ion Ratio Lower Upper  
178 100  
176 19.3 15.3 22.9  
179 16.0 12.4 18.6





#73  
Carbazole  
Concen: 66.943 ng  
RT: 11.645 min Scan# 1623  
Delta R.T. 0.006 min  
Lab File: BF139851.D  
Acq: 18 Oct 2024 13:46

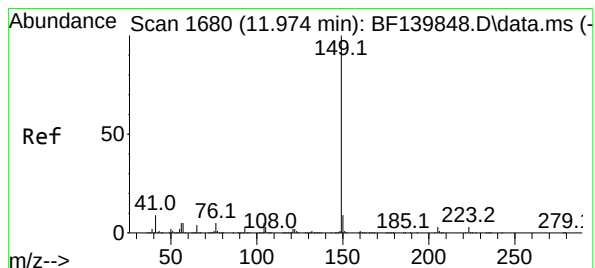
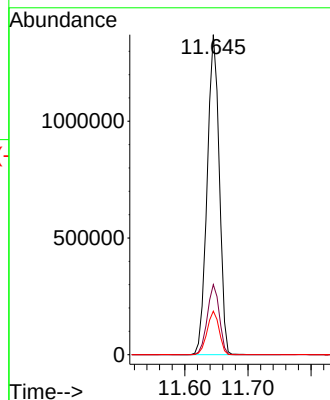
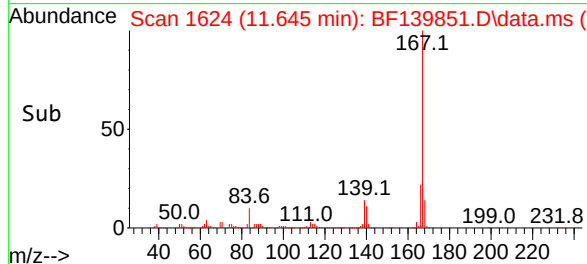
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC080



Tgt Ion:167 Resp: 1818340  
Ion Ratio Lower Upper  
167 100  
166 21.9 17.0 25.6  
139 13.6 10.8 16.2

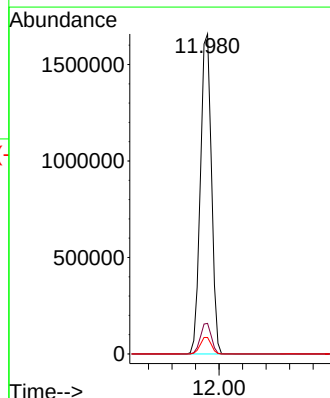
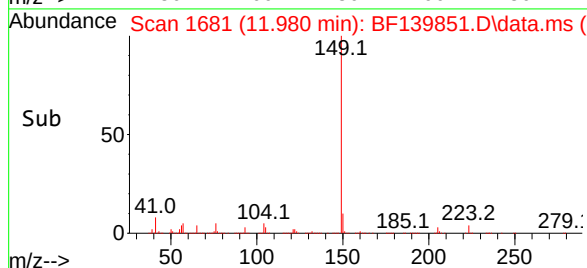
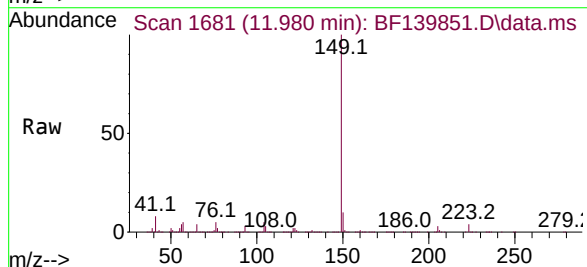
Manual Integrations  
APPROVED

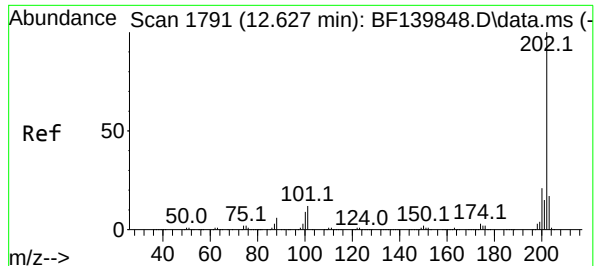
Reviewed By :Yogesh Patel 10/21/2024  
Supervised By :mohammad ahmed 10/21/2024



#74  
Di-n-butylphthalate  
Concen: 68.623 ng  
RT: 11.980 min Scan# 1681  
Delta R.T. 0.006 min  
Lab File: BF139851.D  
Acq: 18 Oct 2024 13:46

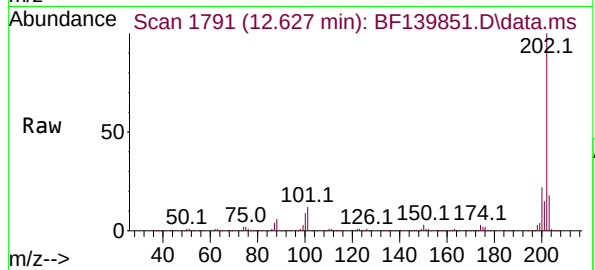
Tgt Ion:149 Resp: 2153517  
Ion Ratio Lower Upper  
149 100  
150 9.5 7.5 11.3  
104 5.2 4.1 6.1





#75  
Fluoranthene  
Concen: 64.632 ng  
RT: 12.627 min Scan# 1791  
Delta R.T. 0.000 min  
Lab File: BF139851.D  
Acq: 18 Oct 2024 13:46

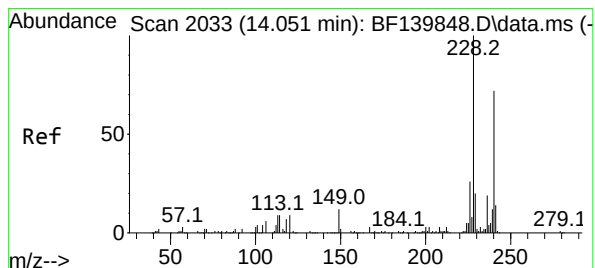
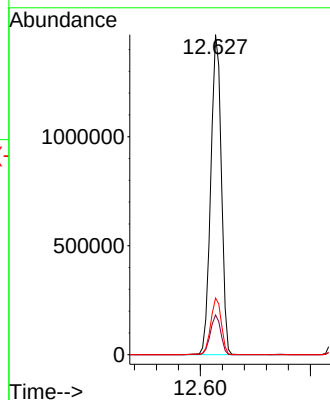
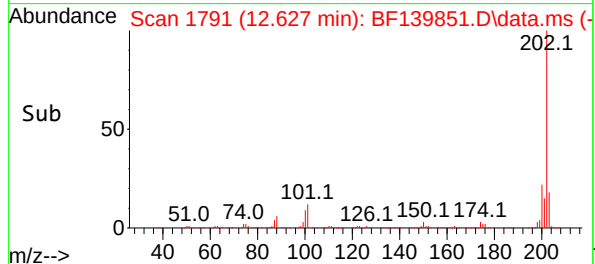
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC080



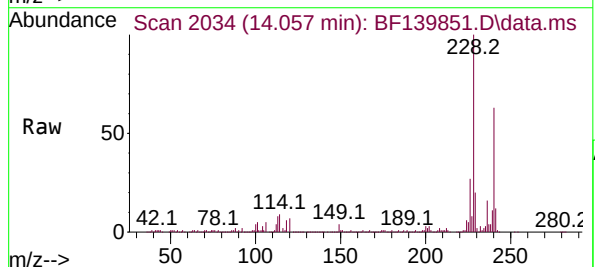
Tgt Ion:202 Resp: 195584  
Ion Ratio Lower Upper  
202 100  
101 12.4 0.0 31.9  
203 17.7 0.0 37.5

Manual Integrations  
APPROVED

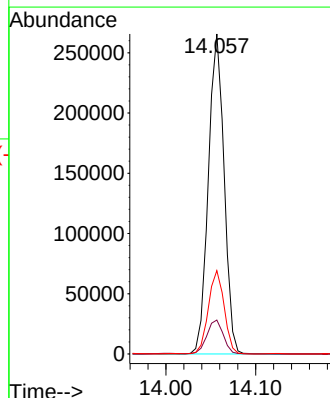
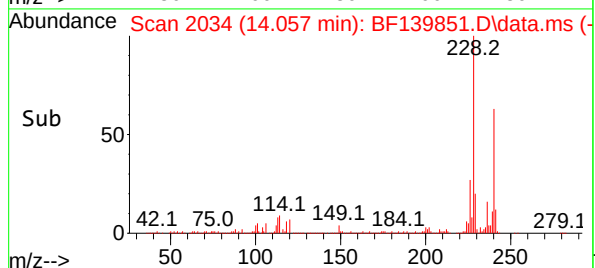
Reviewed By :Yogesh Patel 10/21/2024  
Supervised By :mohammad ahmed 10/21/2024



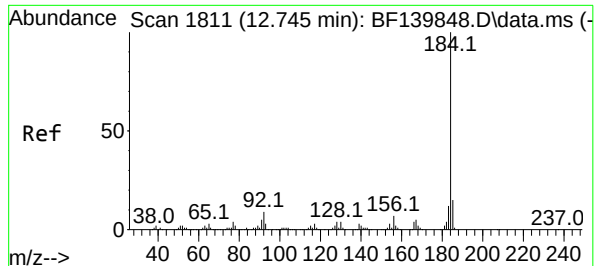
#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.057 min Scan# 2034  
Delta R.T. 0.006 min  
Lab File: BF139851.D  
Acq: 18 Oct 2024 13:46



Tgt Ion:240 Resp: 323513  
Ion Ratio Lower Upper  
240 100  
120 10.6 9.4 14.2  
236 26.1 20.9 31.3

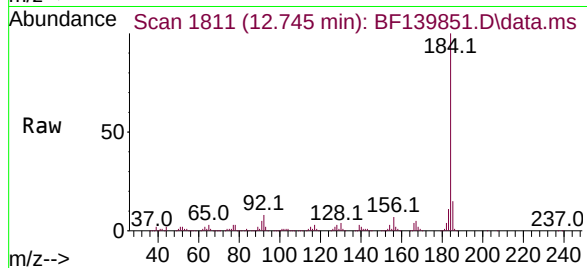






#77  
Benzidine  
Concen: 60.567 ng  
RT: 12.745 min Scan# 1811  
Delta R.T. 0.000 min  
Lab File: BF139851.D  
Acq: 18 Oct 2024 13:46

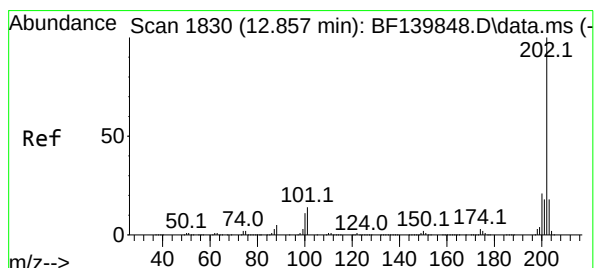
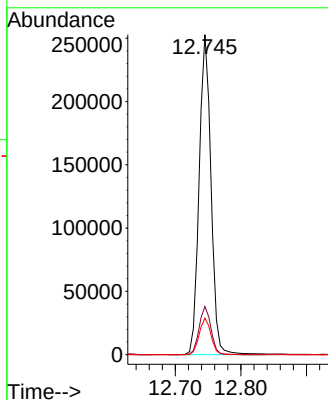
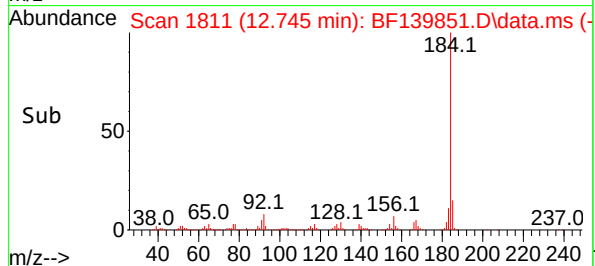
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC080



Tgt Ion:184 Resp: 318678  
Ion Ratio Lower Upper  
184 100  
185 15.1 12.0 18.0  
183 11.4 9.4 14.2

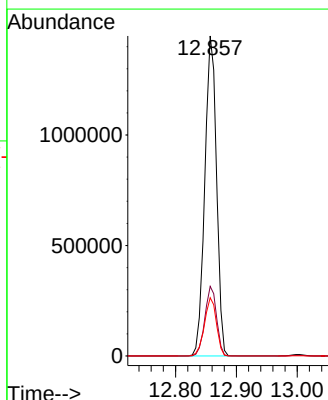
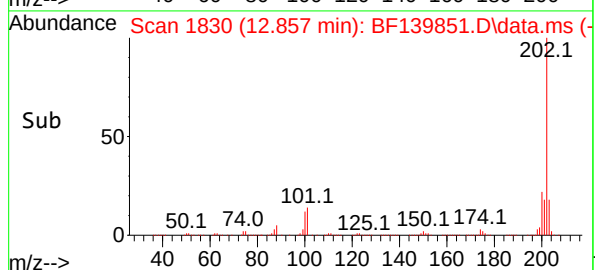
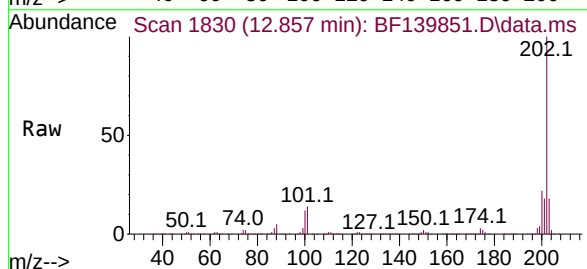
Manual Integrations  
APPROVED

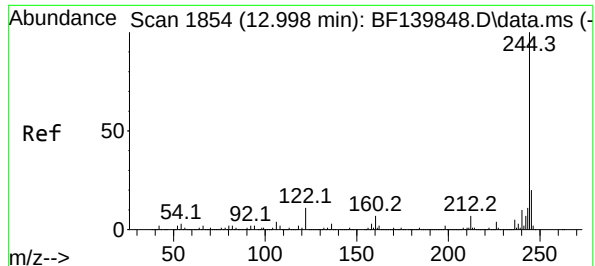
Reviewed By :Yogesh Patel 10/21/2024  
Supervised By :mohammad ahmed 10/21/2024



#78  
Pyrene  
Concen: 68.360 ng  
RT: 12.857 min Scan# 1830  
Delta R.T. 0.000 min  
Lab File: BF139851.D  
Acq: 18 Oct 2024 13:46

Tgt Ion:202 Resp: 1935829  
Ion Ratio Lower Upper  
202 100  
200 21.7 17.2 25.8  
203 18.2 14.2 21.4





#79

Terphenyl-d14

Concen: 132.704 ng

RT: 13.004 min Scan# 1855

Delta R.T. 0.006 min

Lab File: BF139851.D

Acq: 18 Oct 2024 13:46

Instrument :

BNA\_F

ClientSampleId :

SSTDICC080

Tgt Ion:244 Resp: 2634670

Ion Ratio Lower Upper

244 100

212 7.1 5.7 8.5

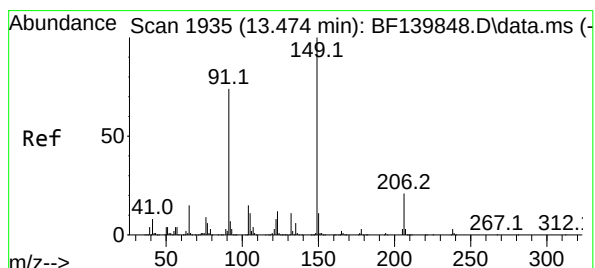
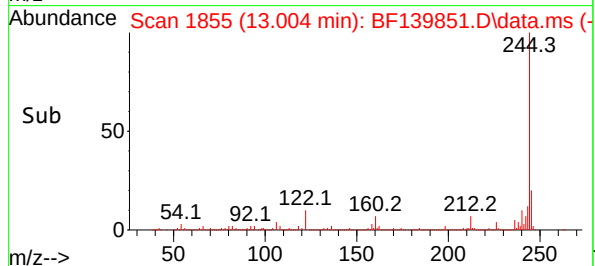
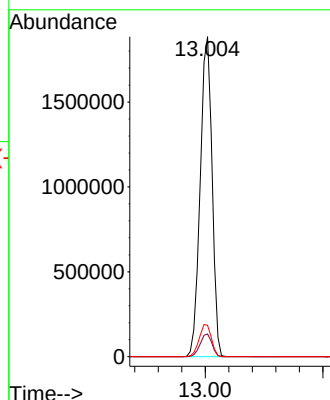
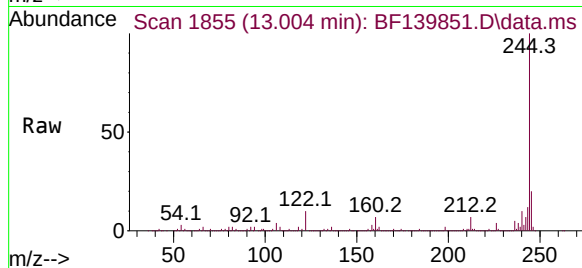
122 9.8 8.6 13.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#80

Butylbenzylphthalate

Concen: 78.274 ng

RT: 13.474 min Scan# 1935

Delta R.T. 0.000 min

Lab File: BF139851.D

Acq: 18 Oct 2024 13:46

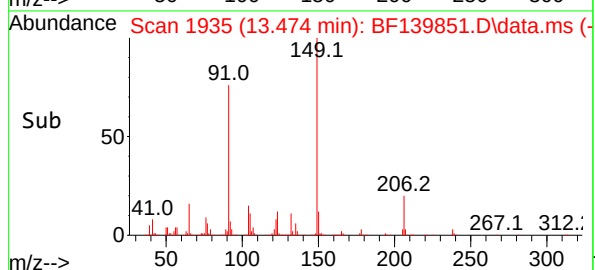
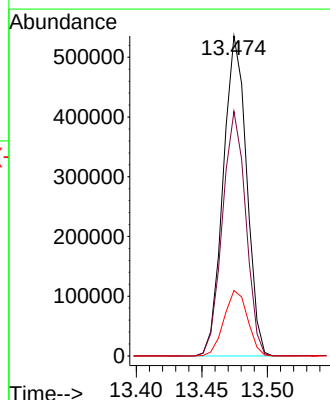
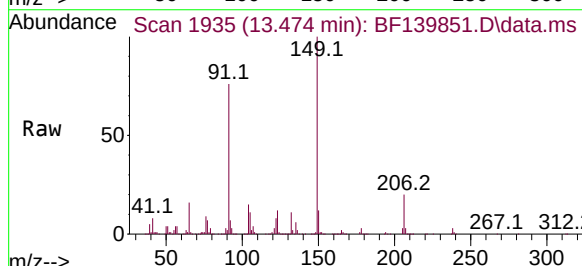
Tgt Ion:149 Resp: 664532

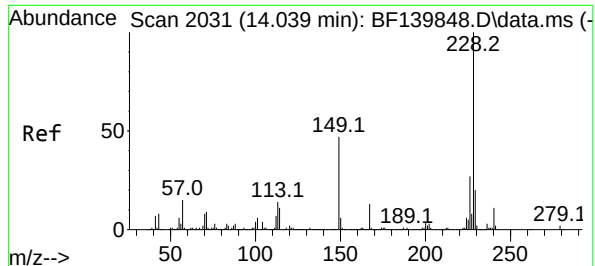
Ion Ratio Lower Upper

149 100

91 76.5 59.4 89.2

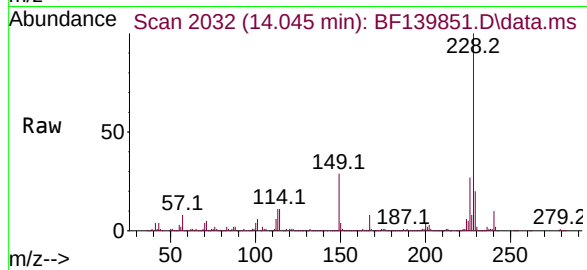
206 20.5 16.4 24.6





#81  
Benzo(a)anthracene  
Concen: 71.840 ng  
RT: 14.045 min Scan# 2031  
Delta R.T. 0.006 min  
Lab File: BF139851.D  
Acq: 18 Oct 2024 13:46

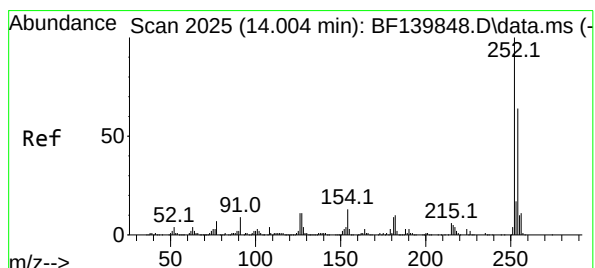
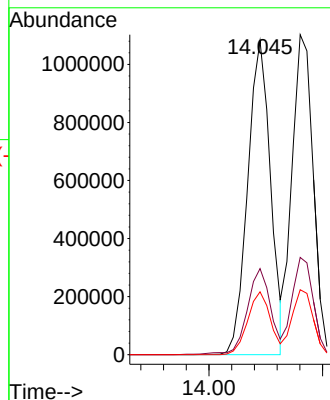
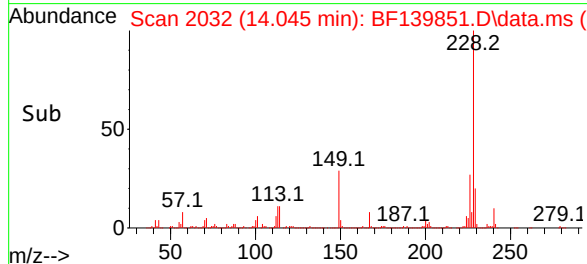
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC080



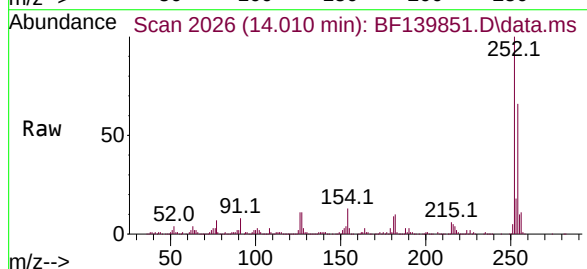
Tgt Ion:228 Resp: 1512920  
Ion Ratio Lower Upper  
228 100  
226 27.4 21.6 32.4  
229 20.0 16.1 24.1

Manual Integrations  
APPROVED

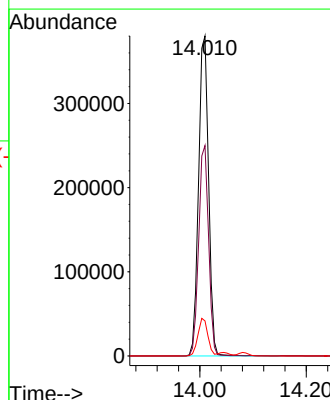
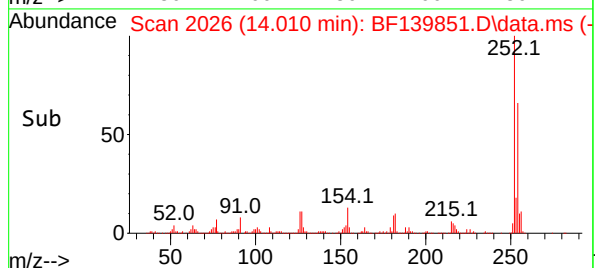
Reviewed By :Yogesh Patel 10/21/2024  
Supervised By :mohammad ahmed 10/21/2024

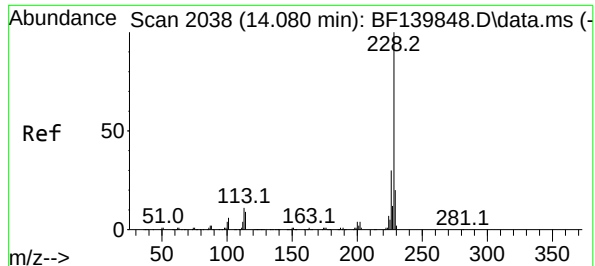


#82  
3,3'-Dichlorobenzidine  
Concen: 80.937 ng  
RT: 14.010 min Scan# 2026  
Delta R.T. 0.006 min  
Lab File: BF139851.D  
Acq: 18 Oct 2024 13:46



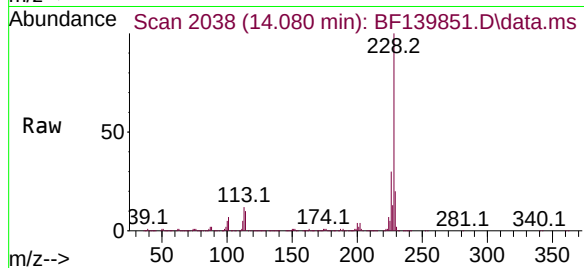
Tgt Ion:252 Resp: 496976  
Ion Ratio Lower Upper  
252 100  
254 65.7 50.8 76.2  
126 11.0 8.9 13.3





#83  
Chrysene  
Concen: 73.774 ng  
RT: 14.080 min Scan# 2038  
Delta R.T. 0.000 min  
Lab File: BF139851.D  
Acq: 18 Oct 2024 13:46

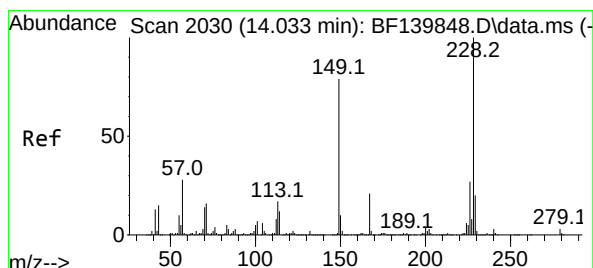
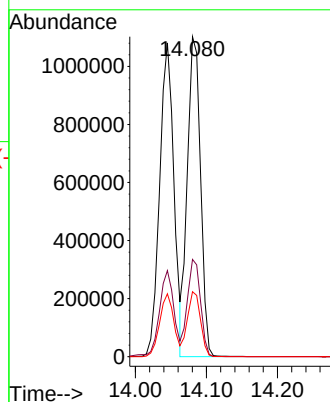
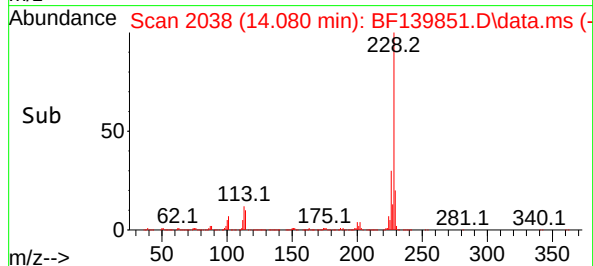
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC080



Tgt Ion:228 Resp: 142452  
Ion Ratio Lower Upper  
228 100  
226 30.4 24.1 36.1  
229 20.3 15.8 23.6

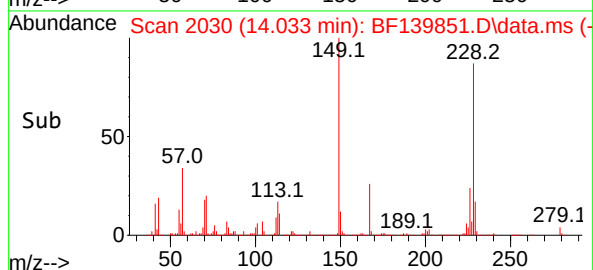
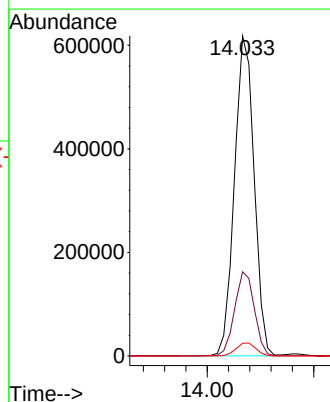
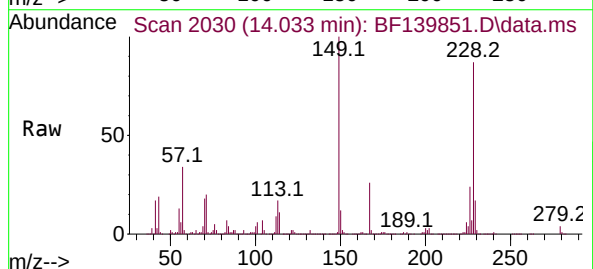
Manual Integrations  
APPROVED

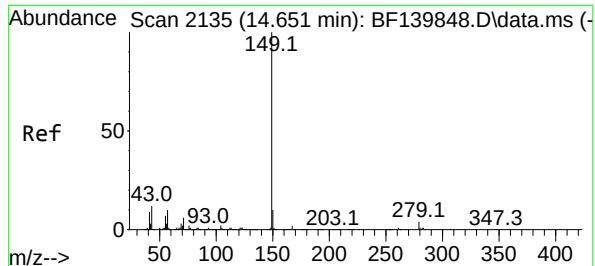
Reviewed By :Yogesh Patel 10/21/2024  
Supervised By :mohammad ahmed 10/21/2024



#84  
Bis(2-ethylhexyl)phthalate  
Concen: 83.399 ng  
RT: 14.033 min Scan# 2030  
Delta R.T. 0.000 min  
Lab File: BF139851.D  
Acq: 18 Oct 2024 13:46

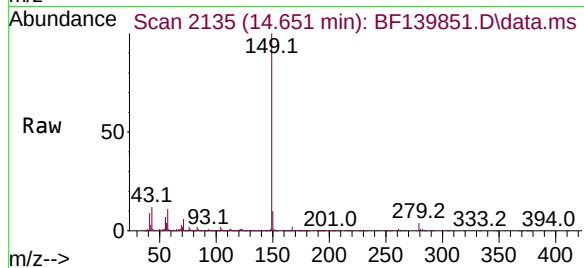
Tgt Ion:149 Resp: 794387  
Ion Ratio Lower Upper  
149 100  
167 26.3 21.4 32.0  
279 4.0 3.0 4.4





#85  
Di-n-octyl phthalate  
Concen: 88.561 ng  
RT: 14.651 min Scan# 2135  
Delta R.T. -0.000 min  
Lab File: BF139851.D  
Acq: 18 Oct 2024 13:46

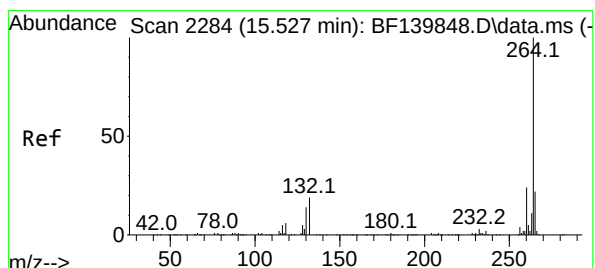
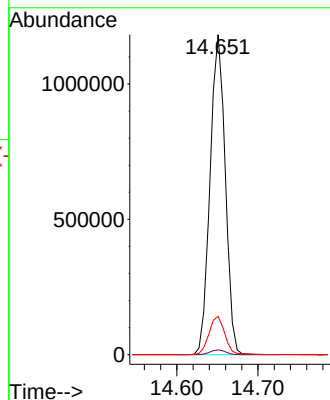
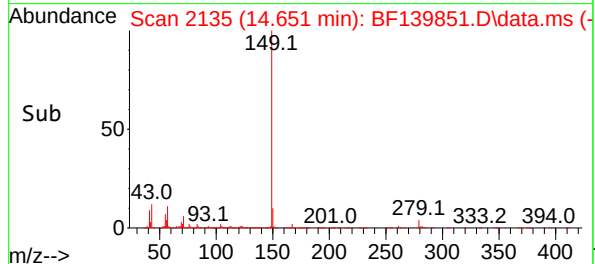
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC080



Tgt Ion:149 Resp: 153433  
Ion Ratio Lower Upper  
149 100  
167 1.5 1.2 1.8  
43 12.4 9.8 14.6

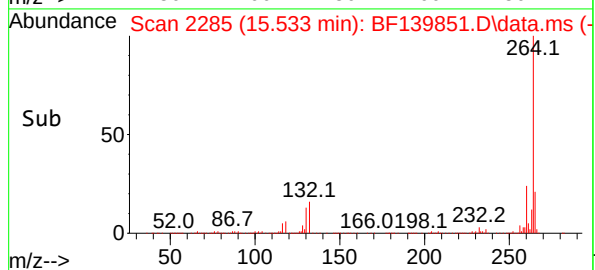
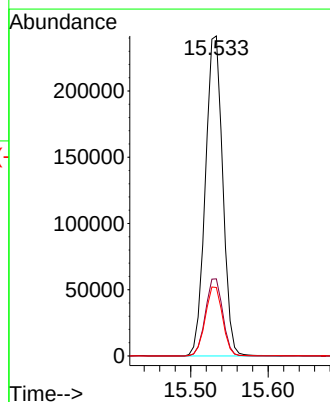
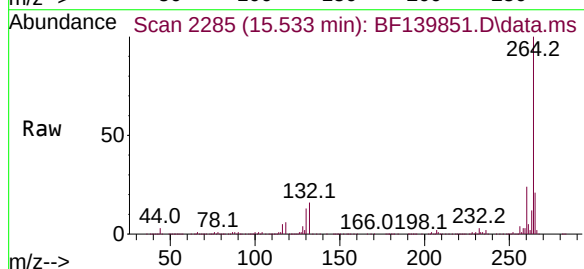
Manual Integrations  
APPROVED

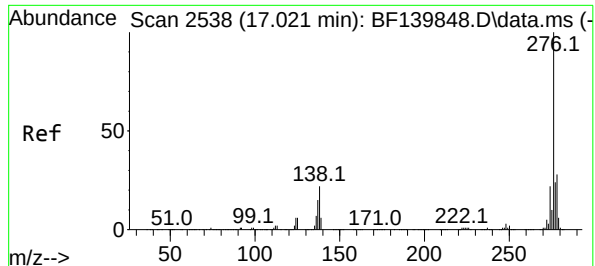
Reviewed By :Yogesh Patel 10/21/2024  
Supervised By :mohammad ahmed 10/21/2024



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.533 min Scan# 2285  
Delta R.T. 0.006 min  
Lab File: BF139851.D  
Acq: 18 Oct 2024 13:46

Tgt Ion:264 Resp: 374491  
Ion Ratio Lower Upper  
264 100  
260 24.1 19.4 29.2  
265 21.4 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 77.935 ng

RT: 17.033 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF139851.D

Acq: 18 Oct 2024 13:46

Instrument :

BNA\_F

ClientSampleId :

SSTDICC080

Tgt Ion:276 Resp: 1877610

Ion Ratio Lower Upper

276 100

138 25.1 20.4 30.6

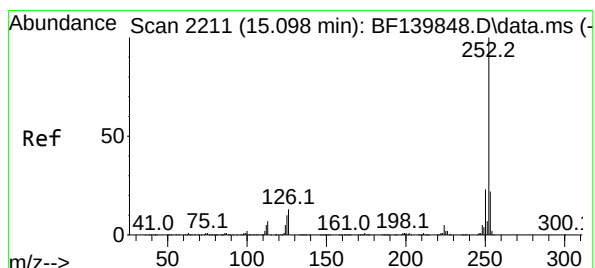
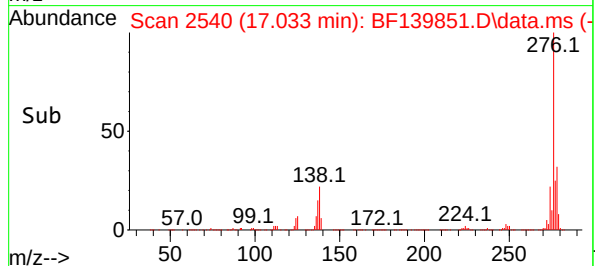
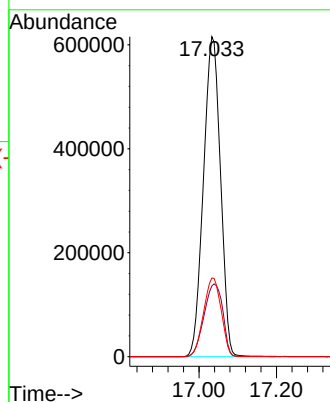
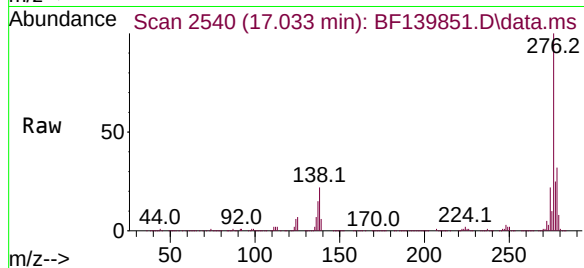
277 25.4 20.2 30.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#88

Benzo(b)fluoranthene

Concen: 72.980 ng

RT: 15.098 min Scan# 2211

Delta R.T. 0.000 min

Lab File: BF139851.D

Acq: 18 Oct 2024 13:46

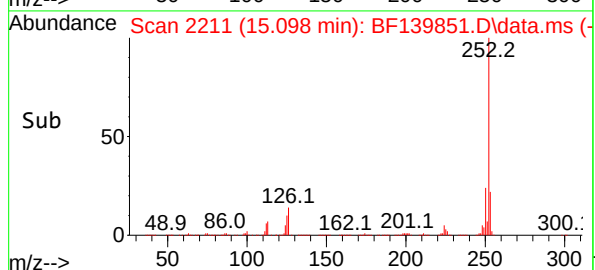
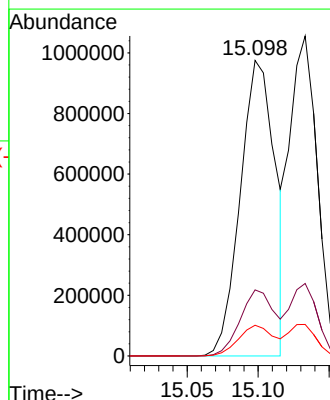
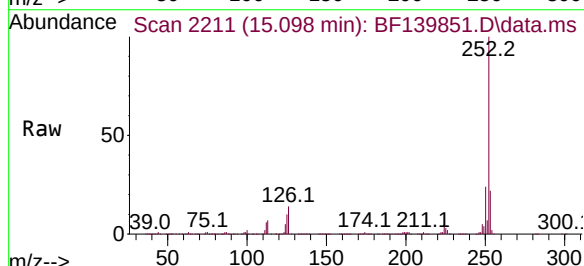
Tgt Ion:252 Resp: 1664856

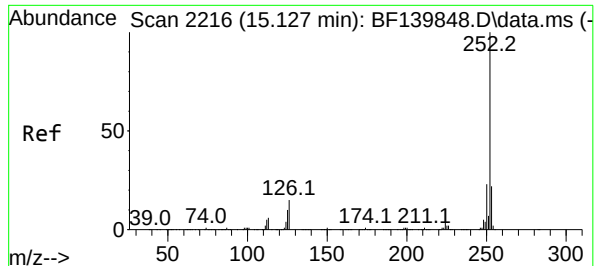
Ion Ratio Lower Upper

252 100

253 22.4 17.6 26.4

125 10.4 7.9 11.9





#89

Benzo(k)fluoranthene

Concen: 72.134 ng

RT: 15.133 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF139851.D

Acq: 18 Oct 2024 13:46

Instrument :

BNA\_F

ClientSampleId :

SSTDICC080

Tgt Ion:252 Resp: 1419158

Ion Ratio Lower Upper

252 100

253 22.7 17.6 26.4

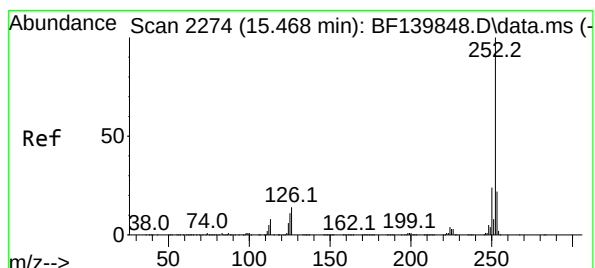
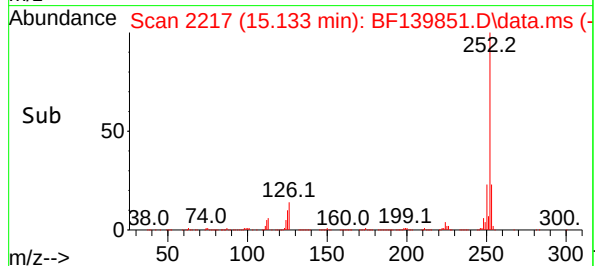
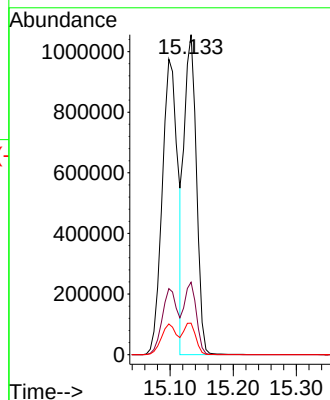
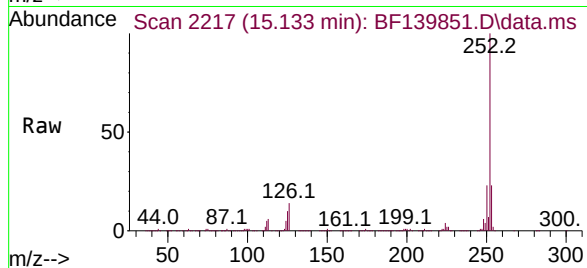
125 9.9 7.9 11.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#90

Benzo(a)pyrene

Concen: 75.598 ng

RT: 15.474 min Scan# 2275

Delta R.T. 0.006 min

Lab File: BF139851.D

Acq: 18 Oct 2024 13:46

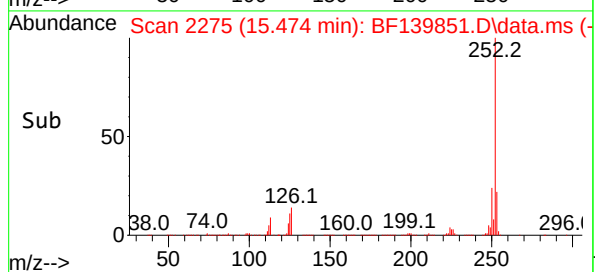
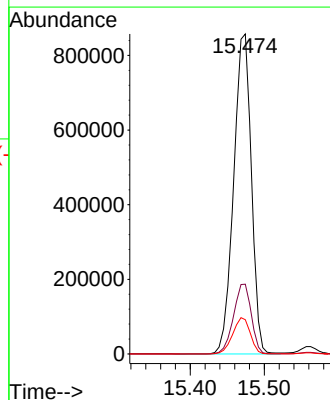
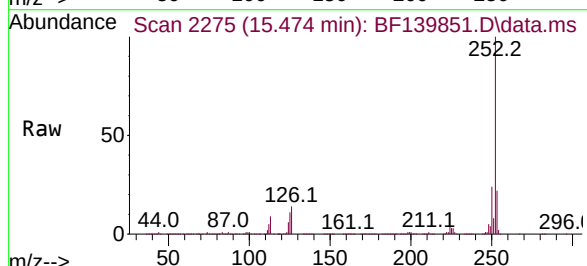
Tgt Ion:252 Resp: 1419026

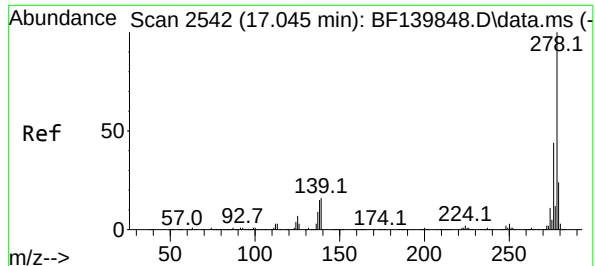
Ion Ratio Lower Upper

252 100

253 21.8 17.3 25.9

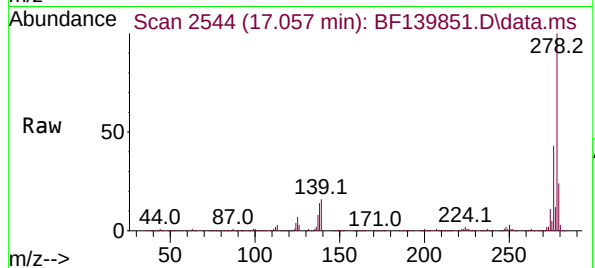
125 10.7 8.7 13.1





#91  
Dibenzo(a,h)anthracene  
Concen: 77.226 ng  
RT: 17.057 min Scan# 21  
Delta R.T. 0.012 min  
Lab File: BF139851.D  
Acq: 18 Oct 2024 13:46

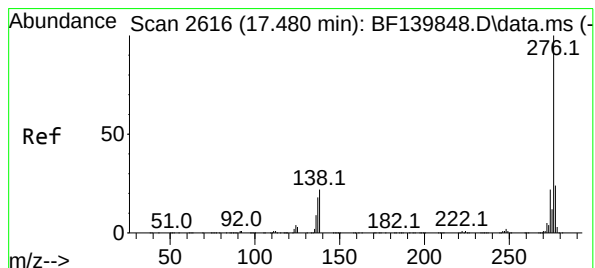
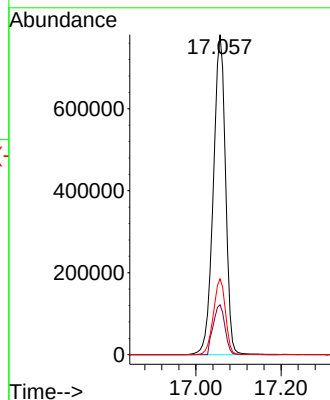
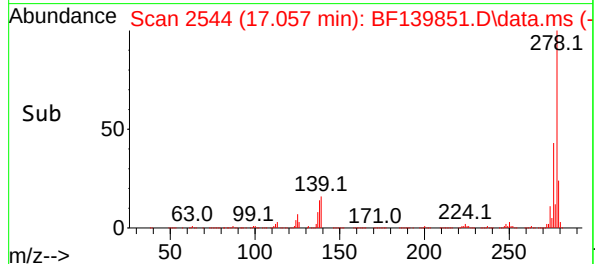
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC080



Tgt Ion:278 Resp: 155209  
Ion Ratio Lower Upper  
278 100  
139 15.6 13.1 19.7  
279 23.7 19.0 28.4

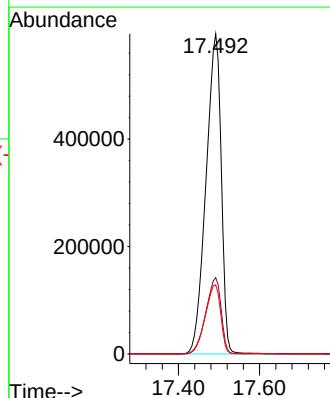
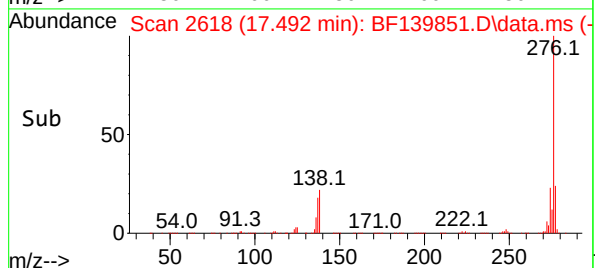
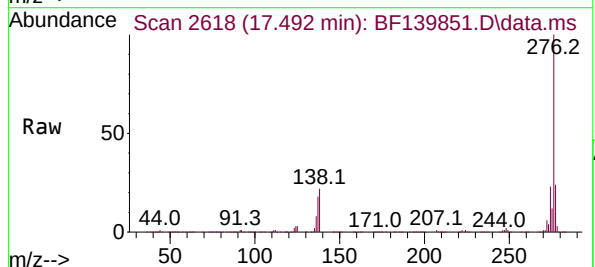
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 10/21/2024  
Supervised By :mohammad ahmed 10/21/2024



#92  
Benzo(g,h,i)perylene  
Concen: 77.240 ng  
RT: 17.492 min Scan# 2618  
Delta R.T. 0.012 min  
Lab File: BF139851.D  
Acq: 18 Oct 2024 13:46

Tgt Ion:276 Resp: 1550622  
Ion Ratio Lower Upper  
276 100  
277 23.9 19.0 28.6  
138 21.6 17.4 26.0







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

7C

## SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4471 SAS No.: P4471 SDG No.: P4471

Instrument ID: BNA\_F Calibration Date/Time: 10/24/2024 09:55

Lab File ID: BF139990.D Init. Calib. Date(s): 10/18/2024 10/18/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:27 13:46

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

| COMPOUND                    | RRF   | RRF040 | MIN<br>RRF | %D    | MAX%D |
|-----------------------------|-------|--------|------------|-------|-------|
| 2-Fluorophenol              | 1.278 | 1.208  |            | -5.5  |       |
| Benzaldehyde                | 0.931 | 0.831  |            | -10.7 |       |
| Phenol-d6                   | 1.655 | 1.504  |            | -9.1  |       |
| Phenol                      | 1.706 | 1.572  |            | -7.9  | 20.0  |
| bis(2-Chloroethyl)ether     | 1.319 | 1.218  |            | -7.7  |       |
| 2-Chlorophenol              | 1.306 | 1.240  |            | -5.1  |       |
| 2-Methylphenol              | 1.114 | 1.030  |            | -7.5  |       |
| 2,2-oxybis(1-Chloropropane) | 2.248 | 1.937  |            | -13.8 |       |
| Acetophenone                | 0.490 | 0.464  |            | -5.3  |       |
| 3+4-Methylphenols           | 1.424 | 1.299  |            | -8.8  |       |
| n-Nitroso-di-n-propylamine  | 1.004 | 0.880  | 0.050      | -12.4 |       |
| Nitrobenzene-d5             | 0.361 | 0.374  |            | 3.6   |       |
| Hexachloroethane            | 0.534 | 0.521  |            | -2.4  |       |
| Nitrobenzene                | 0.396 | 0.392  |            | -1.0  |       |
| Isophorone                  | 0.685 | 0.644  |            | -6.0  |       |
| 2-Nitrophenol               | 0.149 | 0.177  |            | 18.8  | 20.0  |
| 2,4-Dimethylphenol          | 0.249 | 0.234  |            | -6.0  |       |
| bis(2-Chloroethoxy)methane  | 0.415 | 0.394  |            | -5.1  |       |
| 2,4-Dichlorophenol          | 0.283 | 0.280  |            | -1.1  | 20.0  |
| Naphthalene                 | 1.031 | 1.003  |            | -2.7  |       |
| 4-Chloroaniline             | 0.352 | 0.334  |            | -5.1  |       |
| Hexachlorobutadiene         | 0.197 | 0.202  |            | 2.5   | 20.0  |
| Caprolactam                 | 0.090 | 0.088  |            | -2.2  |       |
| 4-Chloro-3-methylphenol     | 0.314 | 0.299  |            | -4.8  | 20.0  |
| 2-Methylnaphthalene         | 0.632 | 0.616  |            | -2.5  |       |
| Hexachlorocyclopentadiene   | 0.188 | 0.207  | 0.050      | 10.1  |       |
| 2,4,6-Trichlorophenol       | 0.382 | 0.403  |            | 5.5   | 20.0  |
| 2-Fluorobiphenyl            | 1.210 | 1.183  |            | -2.2  |       |
| 2,4,5-Trichlorophenol       | 0.394 | 0.395  |            | 0.3   |       |
| 1,1-Biphenyl                | 1.392 | 1.371  |            | -1.5  |       |
| 2-Chloronaphthalene         | 1.121 | 1.110  |            | -1.0  |       |
| 2-Nitroaniline              | 0.343 | 0.362  |            | 5.5   |       |
| Dimethylphthalate           | 1.246 | 1.208  |            | -3.0  |       |
| Acenaphthylene              | 1.621 | 1.581  |            | -2.5  |       |
| 2,6-Dinitrotoluene          | 0.270 | 0.286  |            | 5.9   |       |
| 3-Nitroaniline              | 0.278 | 0.284  |            | 2.2   |       |
| Acenaphthene                | 1.049 | 1.051  |            | 0.2   | 20.0  |
| 2,4-Dinitrophenol           | 0.093 | 0.148  | 0.050      | 59.1  |       |
| 4-Nitrophenol               | 0.214 | 0.229  | 0.050      | 7.0   |       |



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

7C

## SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4471 SAS No.: P4471 SDG No.: P4471

Instrument ID: BNA\_F Calibration Date/Time: 10/24/2024 09:55

Lab File ID: BF139990.D Init. Calib. Date(s): 10/18/2024 10/18/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:27 13:46

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

| COMPOUND                   | RRF   | RRF040 | MIN<br>RRF | %D    | MAX%D |
|----------------------------|-------|--------|------------|-------|-------|
| Dibenzofuran               | 1.505 | 1.448  |            | -3.8  |       |
| 2,4-Dinitrotoluene         | 0.332 | 0.371  |            | 11.7  |       |
| Diethylphthalate           | 1.223 | 1.175  |            | -3.9  |       |
| 4-Chlorophenyl-phenylether | 0.579 | 0.580  |            | 0.2   |       |
| Fluorene                   | 1.146 | 1.110  |            | -3.1  |       |
| 4-Nitroaniline             | 0.263 | 0.259  |            | -1.5  |       |
| 4,6-Dinitro-2-methylphenol | 0.082 | 0.117  |            | 42.7  |       |
| n-Nitrosodiphenylamine     | 0.599 | 0.588  |            | -1.8  | 20.0  |
| 2,4,6-Tribromophenol       | 0.187 | 0.205  |            | 9.6   |       |
| 4-Bromophenyl-phenylether  | 0.206 | 0.216  |            | 4.9   |       |
| Hexachlorobenzene          | 0.232 | 0.240  |            | 3.4   |       |
| Atrazine                   | 0.162 | 0.161  |            | -0.6  |       |
| Pentachlorophenol          | 0.141 | 0.164  |            | 16.3  | 20.0  |
| Phenanthrene               | 0.945 | 0.917  |            | -3.0  |       |
| Anthracene                 | 0.922 | 0.908  |            | -1.5  |       |
| Carbazole                  | 0.857 | 0.802  |            | -6.4  |       |
| Di-n-butylphthalate        | 0.990 | 0.948  |            | -4.2  |       |
| Fluoranthene               | 0.955 | 0.903  |            | -5.4  | 20.0  |
| Pyrene                     | 1.751 | 1.844  |            | 5.3   |       |
| Terphenyl-d14              | 1.227 | 1.286  |            | 4.8   |       |
| Butylbenzylphthalate       | 0.525 | 0.536  |            | 2.1   |       |
| 3,3-Dichlorobenzidine      | 0.380 | 0.412  |            | 8.4   |       |
| Benzo (a) anthracene       | 1.302 | 1.275  |            | -2.1  |       |
| Chrysene                   | 1.194 | 1.140  |            | -4.5  |       |
| Bis(2-ethylhexyl)phthalate | 0.589 | 0.640  |            | 8.7   |       |
| Di-n-octyl phthalate       | 1.071 | 1.138  |            | 6.3   | 20.0  |
| Benzo (b) fluoranthene     | 1.218 | 1.075  |            | -11.7 |       |
| Benzo (k) fluoranthene     | 1.051 | 1.055  |            | 0.4   |       |
| Benzo (a) pyrene           | 1.002 | 0.994  |            | -0.8  | 20.0  |
| Indeno (1,2,3-cd) pyrene   | 1.287 | 1.421  |            | 10.4  |       |
| Dibenzo (a,h) anthracene   | 1.073 | 1.182  |            | 10.2  |       |
| Benzo (g,h,i) perylene     | 1.072 | 1.222  |            | 14.0  |       |
| 1,2,4,5-Tetrachlorobenzene | 0.540 | 0.551  |            | 2.0   |       |
| 1,4-Dioxane                | 0.596 | 0.552  |            | -7.4  | 20.0  |
| 2,3,4,6-Tetrachlorophenol  | 0.309 | 0.322  |            | 4.2   |       |

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102424\  
 Data File : BF139990.D  
 Acq On : 24 Oct 2024 09:55  
 Operator : RC/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDCCC040

Quant Time: Oct 24 11:02:09 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101824.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Oct 18 15:07:50 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.892  | 152  | 160242   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.175  | 136  | 587754   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.928  | 164  | 322730   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.416 | 188  | 552693   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 14.057 | 240  | 268892   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12              | 15.533 | 264  | 303963   | 20.000 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.504  | 112  | 774298   | 75.645 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.516  | 99   | 964287   | 72.737 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.451  | 82   | 878769   | 82.866 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.716 | 330  | 264656   | 87.672 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.251  | 172  | 1527609  | 78.229 | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.998 | 244  | 1382993  | 83.809 | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.669  | 88   | 176828   | 37.052 | ng    | 93       |
| 3) Pyridine                   | 3.434  | 79   | 440496   | 37.237 | ng    | 96       |
| 4) n-Nitrosodimethylamine     | 3.387  | 42   | 221040   | 34.778 | ng    | 97       |
| 6) Aniline                    | 6.557  | 93   | 450356   | 36.450 | ng    | 97       |
| 8) 2-Chlorophenol             | 6.675  | 128  | 397388   | 37.976 | ng    | 99       |
| 9) Benzaldehyde               | 6.440  | 77   | 266226   | 35.697 | ng    | 99       |
| 10) Phenol                    | 6.528  | 94   | 503800m  | 36.861 | ng    |          |
| 11) bis(2-Chloroethyl)ether   | 6.628  | 93   | 390457   | 36.961 | ng    | 98       |
| 12) 1,3-Dichlorobenzene       | 6.834  | 146  | 466352   | 38.824 | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 6.910  | 146  | 467360   | 38.944 | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 7.063  | 146  | 434528   | 38.796 | ng    | 98       |
| 15) Benzyl Alcohol            | 7.028  | 79   | 360873   | 37.109 | ng    | 100      |
| 16) 2,2'-oxybis(1-Chloropr... | 7.163  | 45   | 620809   | 34.465 | ng    | 97       |
| 17) 2-Methylphenol            | 7.134  | 107  | 330173   | 37.003 | ng    | 99       |
| 18) Hexachloroethane          | 7.404  | 117  | 167043   | 39.033 | ng    | 97       |
| 19) n-Nitroso-di-n-propyla... | 7.304  | 70   | 282083   | 35.083 | ng    | 95       |
| 20) 3+4-Methylphenols         | 7.292  | 107  | 416195   | 36.467 | ng    | # 83     |
| 22) Acetophenone              | 7.298  | 105  | 545776   | 37.912 | ng    | 99       |
| 24) Nitrobenzene              | 7.475  | 77   | 460520   | 39.608 | ng    | 99       |
| 25) Isophorone                | 7.710  | 82   | 757098   | 37.614 | ng    | 99       |
| 26) 2-Nitrophenol             | 7.787  | 139  | 208316   | 47.492 | ng    | 96       |
| 27) 2,4-Dimethylphenol        | 7.822  | 122  | 274637   | 37.550 | ng    | 100      |
| 28) bis(2-Chloroethoxy)met... | 7.922  | 93   | 462579   | 37.932 | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 8.028  | 162  | 329245   | 39.521 | ng    | 98       |
| 30) 1,2,4-Trichlorobenzene    | 8.116  | 180  | 370013   | 40.140 | ng    | 100      |
| 31) Naphthalene               | 8.198  | 128  | 1179077  | 38.897 | ng    | 100      |
| 32) Benzoic acid              | 7.922  | 122  | 290994   | 45.616 | ng    | 96       |
| 33) 4-Chloroaniline           | 8.239  | 127  | 392794   | 38.001 | ng    | 99       |
| 34) Hexachlorobutadiene       | 8.310  | 225  | 237818   | 41.060 | ng    | 100      |
| 35) Caprolactam               | 8.610  | 113  | 103091   | 38.918 | ng    | 90       |
| 36) 4-Chloro-3-methylphenol   | 8.716  | 107  | 351754   | 38.132 | ng    | 97       |
| 37) 2-Methylnaphthalene       | 8.886  | 142  | 723557   | 38.975 | ng    | 99       |
| 38) 1-Methylnaphthalene       | 8.986  | 142  | 706876   | 38.809 | ng    | 100      |
| 40) 1,2,4,5-Tetrachloroben... | 9.051  | 216  | 355797   | 40.864 | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 9.039  | 237  | 133648   | 44.115 | ng    | 98       |
| 43) 2,4,6-Trichlorophenol     | 9.157  | 196  | 260321   | 42.231 | ng    | 99       |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102424\  
 Data File : BF139990.D  
 Acq On : 24 Oct 2024 09:55  
 Operator : RC/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDCCC040

Quant Time: Oct 24 11:02:09 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101824.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Oct 18 15:07:50 2024  
 Response via : Initial Calibration

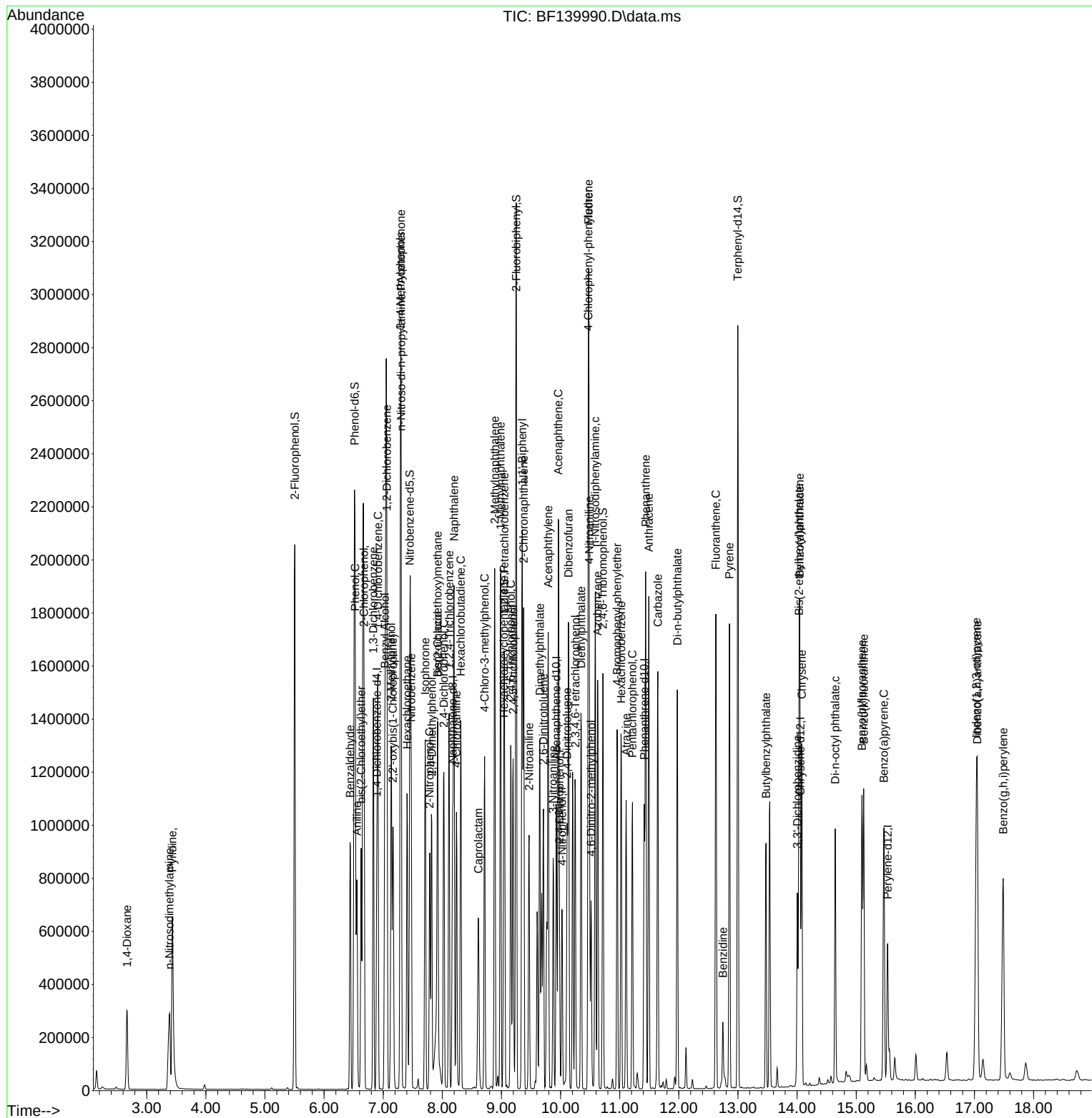
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.198  | 196  | 255051   | 40.103 | ng    | 97       |
| 46) 1,1'-Biphenyl             | 9.351  | 154  | 884807   | 39.383 | ng    | 99       |
| 47) 2-Chloronaphthalene       | 9.375  | 162  | 716569   | 39.600 | ng    | 99       |
| 48) 2-Nitroaniline            | 9.469  | 65   | 233781   | 42.243 | ng    | 91       |
| 49) Acenaphthylene            | 9.792  | 152  | 1020484  | 39.009 | ng    | 100      |
| 50) Dimethylphthalate         | 9.651  | 163  | 779891   | 38.796 | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 9.710  | 165  | 184898   | 42.481 | ng    | 95       |
| 52) Acenaphthene              | 9.963  | 154  | 678587   | 40.099 | ng    | 99       |
| 53) 3-Nitroaniline            | 9.875  | 138  | 183065   | 40.785 | ng    | 95       |
| 54) 2,4-Dinitrophenol         | 9.981  | 184  | 95624    | 55.091 | ng #  | 1        |
| 55) Dibenzofuran              | 10.133 | 168  | 934503   | 38.488 | ng    | 99       |
| 56) 4-Nitrophenol             | 10.028 | 139  | 147827   | 42.808 | ng    | 95       |
| 57) 2,4-Dinitrotoluene        | 10.110 | 165  | 239410   | 44.729 | ng    | 97       |
| 58) Fluorene                  | 10.475 | 166  | 716749   | 38.758 | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol | 10.251 | 232  | 207853   | 41.690 | ng    | 96       |
| 60) Diethylphthalate          | 10.345 | 149  | 758570   | 38.433 | ng    | 100      |
| 61) 4-Chlorophenyl-phenyle... | 10.469 | 204  | 374601   | 40.111 | ng    | 98       |
| 62) 4-Nitroaniline            | 10.486 | 138  | 167010   | 39.396 | ng    | 95       |
| 63) Azobenzene                | 10.628 | 77   | 775853   | 37.078 | ng    | 97       |
| 65) 4,6-Dinitro-2-methylph... | 10.516 | 198  | 129613   | 57.493 | ng    | 94       |
| 66) n-Nitrosodiphenylamine    | 10.586 | 169  | 649534   | 39.266 | ng    | 100      |
| 67) 4-Bromophenyl-phenylether | 10.957 | 248  | 239237   | 42.017 | ng    | 96       |
| 68) Hexachlorobenzene         | 11.028 | 284  | 265372   | 41.441 | ng    | 95       |
| 69) Atrazine                  | 11.110 | 200  | 178157   | 39.759 | ng    | 99       |
| 70) Pentachlorophenol         | 11.216 | 266  | 180839   | 46.531 | ng    | 99       |
| 71) Phenanthrene              | 11.439 | 178  | 1013712  | 38.829 | ng    | 99       |
| 72) Anthracene                | 11.492 | 178  | 1003224  | 39.385 | ng    | 100      |
| 73) Carbazole                 | 11.645 | 167  | 886910   | 37.439 | ng    | 99       |
| 74) Di-n-butylphthalate       | 11.975 | 149  | 1047818  | 38.284 | ng    | 99       |
| 75) Fluoranthene              | 12.627 | 202  | 997974   | 37.814 | ng    | 100      |
| 77) Benzidine                 | 12.745 | 184  | 148061   | 33.487 | ng    | 99       |
| 78) Pyrene                    | 12.857 | 202  | 991454   | 42.123 | ng    | 100      |
| 80) Butylbenzylphthalate      | 13.474 | 149  | 288336   | 40.861 | ng    | 98       |
| 81) Benzo(a)anthracene        | 14.045 | 228  | 685819   | 39.181 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 14.004 | 252  | 221524   | 43.406 | ng    | 99       |
| 83) Chrysene                  | 14.080 | 228  | 612931   | 38.191 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 14.033 | 149  | 343936   | 43.443 | ng    | 99       |
| 85) Di-n-octyl phthalate      | 14.645 | 149  | 611956   | 42.497 | ng    | 97       |
| 87) Indeno(1,2,3-cd)pyrene    | 17.033 | 276  | 863954   | 44.181 | ng    | 98       |
| 88) Benzo(b)fluoranthene      | 15.098 | 252  | 653367   | 35.286 | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 15.127 | 252  | 641324   | 40.161 | ng    | 99       |
| 90) Benzo(a)pyrene            | 15.468 | 252  | 604156   | 39.654 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 17.051 | 278  | 718383   | 44.037 | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 17.486 | 276  | 742968   | 45.596 | ng    | 98       |

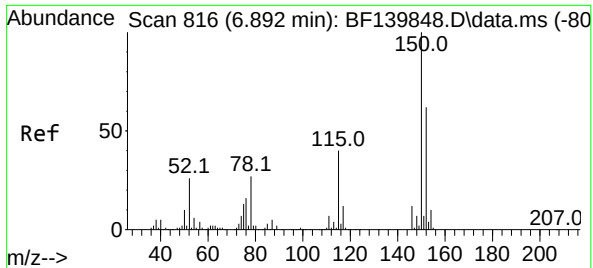
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102424\  
Data File : BF139990.D  
Acq On : 24 Oct 2024 09:55  
Operator : RC/JU  
Sample : SSTDCCC040  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

Quant Time: Oct 24 11:02:09 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101824.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Oct 18 15:07:50 2024  
Response via : Initial Calibration

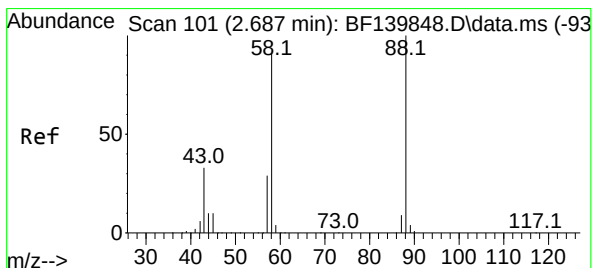
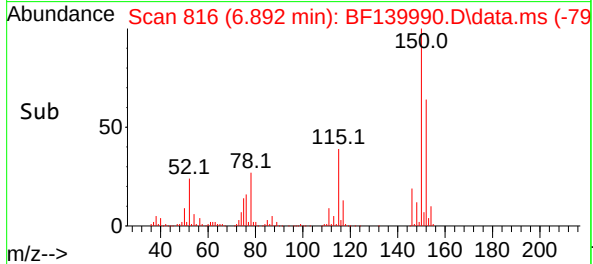
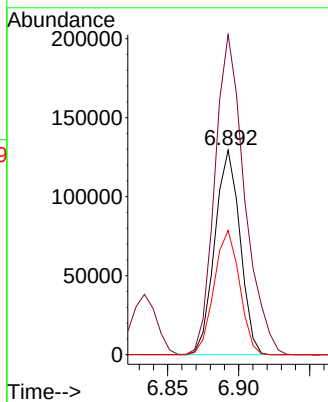
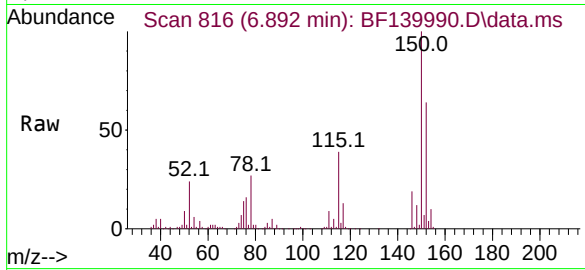




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.892 min Scan# 81  
Delta R.T. 0.000 min  
Lab File: BF139990.D  
Acq: 24 Oct 2024 09:55

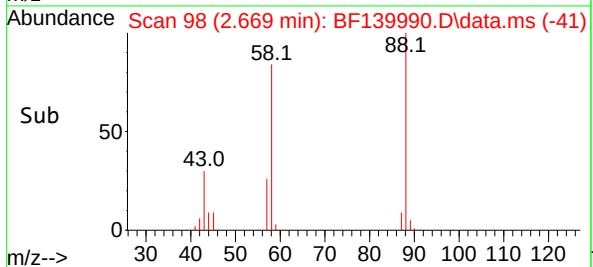
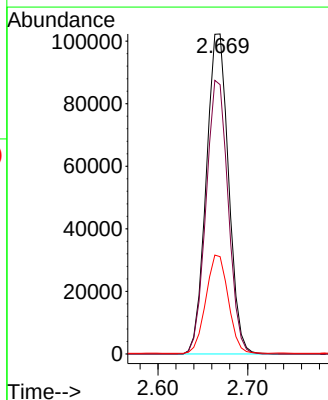
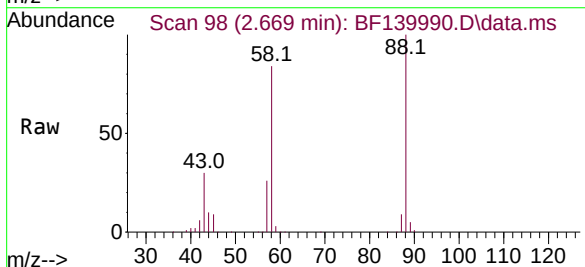
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

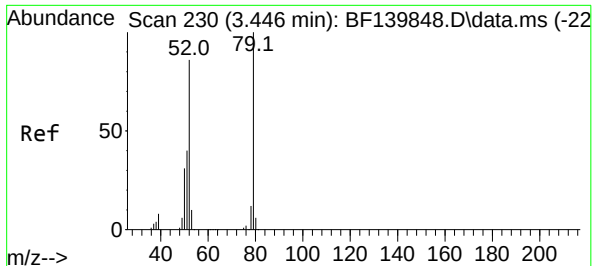
Tgt Ion:152 Resp: 160242  
Ion Ratio Lower Upper  
152 100  
150 156.5 130.2 195.2  
115 60.8 51.4 77.2



#2  
1,4-Dioxane  
Concen: 37.052 ng  
RT: 2.669 min Scan# 98  
Delta R.T. -0.018 min  
Lab File: BF139990.D  
Acq: 24 Oct 2024 09:55

Tgt Ion: 88 Resp: 176828  
Ion Ratio Lower Upper  
88 100  
58 84.7 73.3 109.9  
43 30.7 27.1 40.7





#3

Pyridine

Concen: 37.237 ng

RT: 3.434 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF139990.D

Acq: 24 Oct 2024 09:55

Instrument :

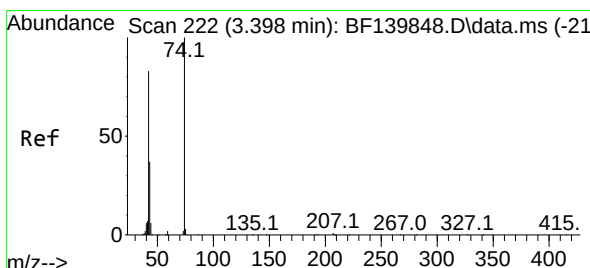
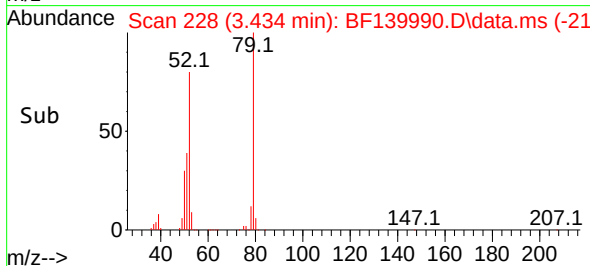
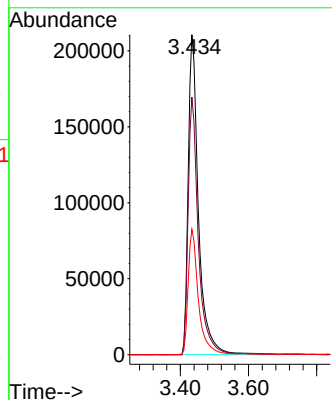
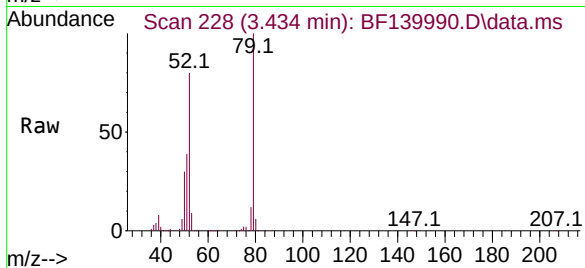
BNA\_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 79 Resp: 440496

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 79  | 100   |       |       |
| 52  | 80.5  | 68.5  | 102.7 |
| 51  | 39.2  | 32.3  | 48.5  |



#4

n-Nitrosodimethylamine

Concen: 34.778 ng

RT: 3.387 min Scan# 220

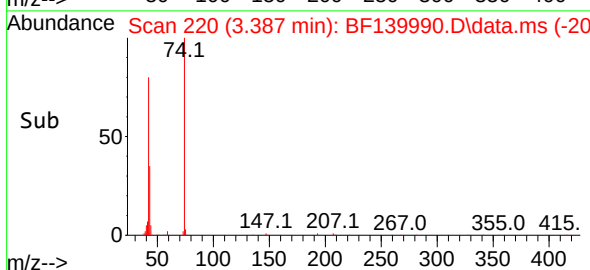
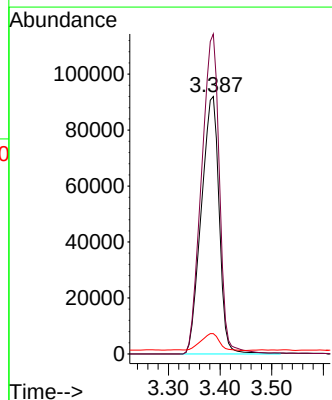
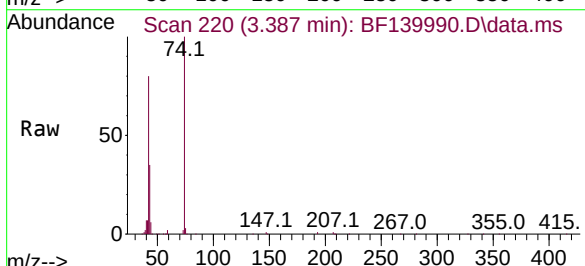
Delta R.T. -0.012 min

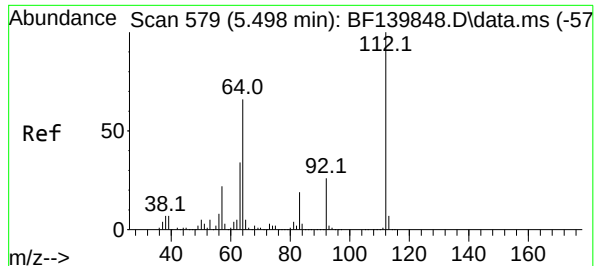
Lab File: BF139990.D

Acq: 24 Oct 2024 09:55

Tgt Ion: 42 Resp: 221040

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 42  | 100   |       |       |
| 74  | 124.3 | 96.2  | 144.4 |
| 44  | 7.9   | 6.2   | 9.2   |

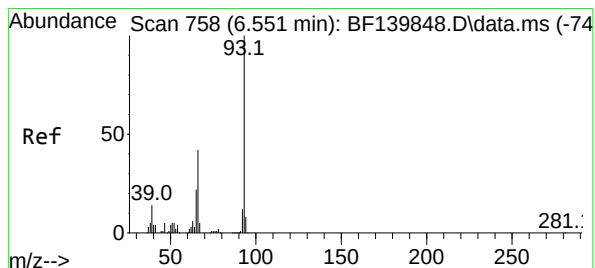
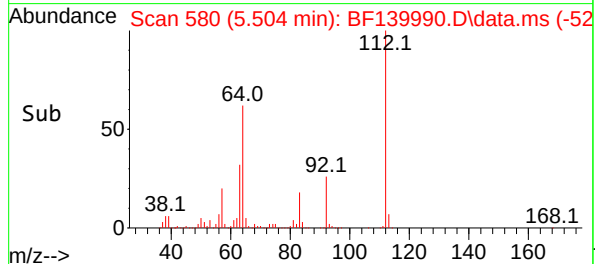
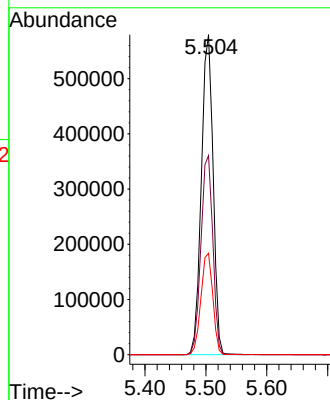
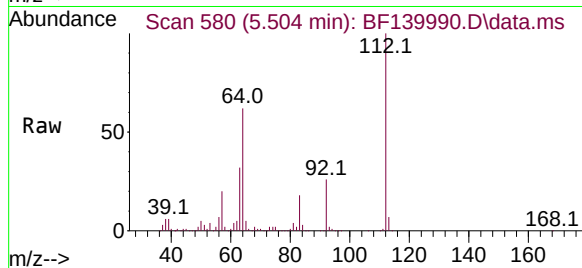




#5  
2-Fluorophenol  
Concen: 75.645 ng  
RT: 5.504 min Scan# 51  
Delta R.T. 0.006 min  
Lab File: BF139990.D  
Acq: 24 Oct 2024 09:55

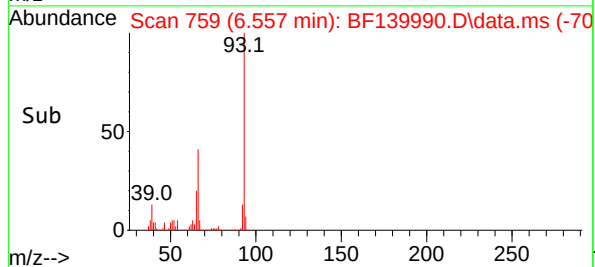
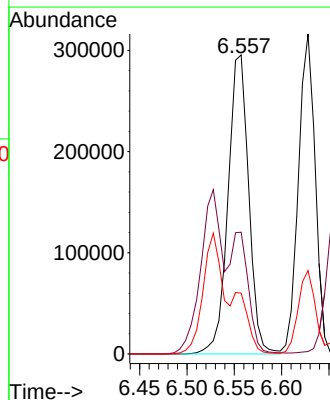
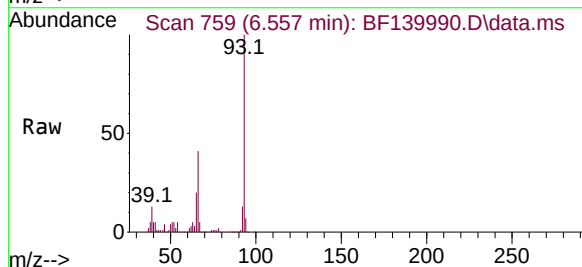
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

Tgt Ion:112 Resp: 774298  
Ion Ratio Lower Upper  
112 100  
64 62.2 53.0 79.6  
63 31.7 27.0 40.4

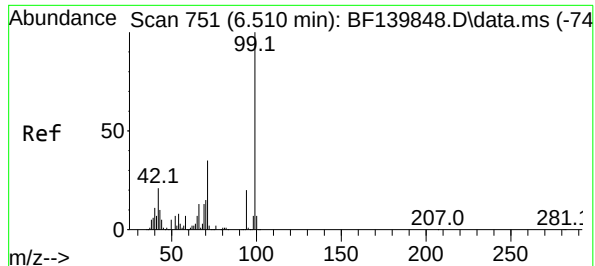


#6  
Aniline  
Concen: 36.450 ng  
RT: 6.557 min Scan# 759  
Delta R.T. 0.006 min  
Lab File: BF139990.D  
Acq: 24 Oct 2024 09:55

Tgt Ion: 93 Resp: 450356  
Ion Ratio Lower Upper  
93 100  
66 40.7 34.0 51.0  
65 20.3 17.4 26.0



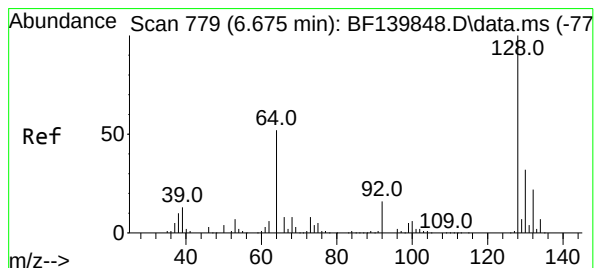
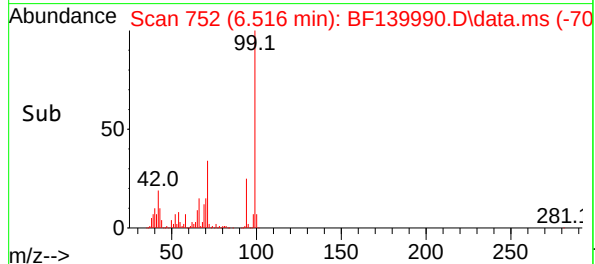
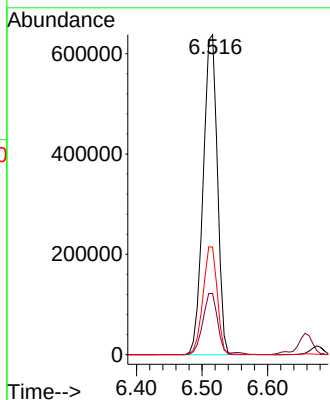
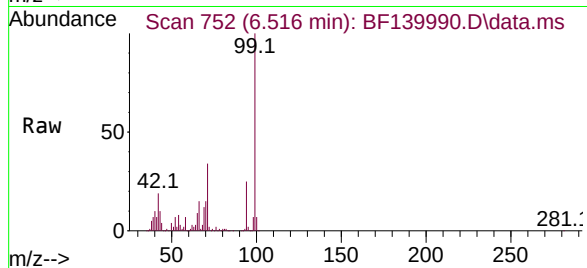




#7  
Phenol-d6  
Concen: 72.737 ng  
RT: 6.516 min Scan# 751  
Delta R.T. 0.006 min  
Lab File: BF139990.D  
Acq: 24 Oct 2024 09:55

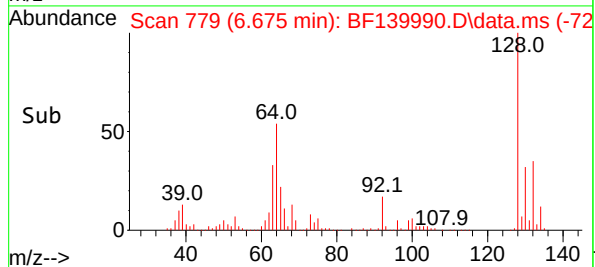
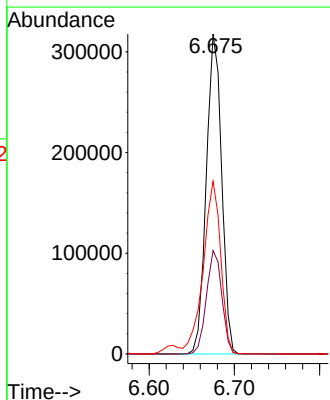
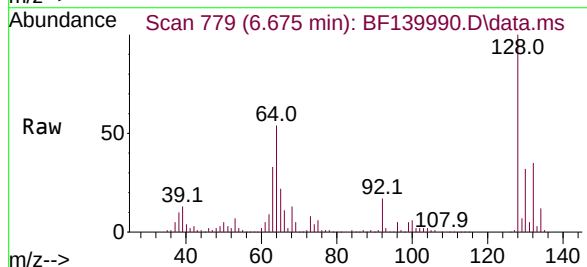
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

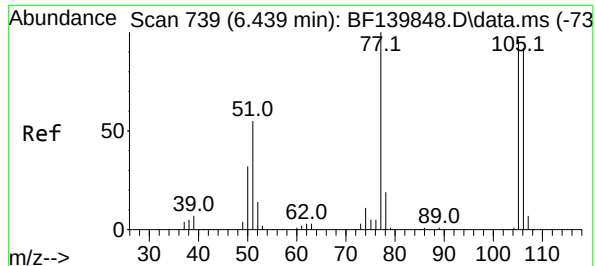
Tgt Ion: 99 Resp: 964287  
Ion Ratio Lower Upper  
99 100  
42 19.1 16.7 25.1  
71 33.7 27.7 41.5



#8  
2-Chlorophenol  
Concen: 37.976 ng  
RT: 6.675 min Scan# 779  
Delta R.T. 0.000 min  
Lab File: BF139990.D  
Acq: 24 Oct 2024 09:55

Tgt Ion: 128 Resp: 397388  
Ion Ratio Lower Upper  
128 100  
130 32.3 12.3 52.3  
64 54.0 34.6 74.6





#9

Benzaldehyde

Concen: 35.697 ng

RT: 6.440 min Scan# 71

Delta R.T. 0.001 min

Lab File: BF139990.D

Acq: 24 Oct 2024 09:55

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

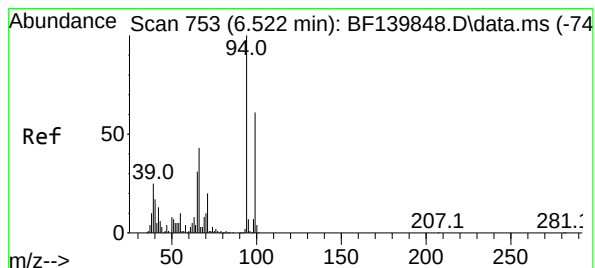
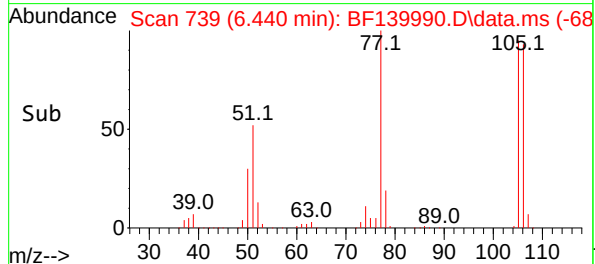
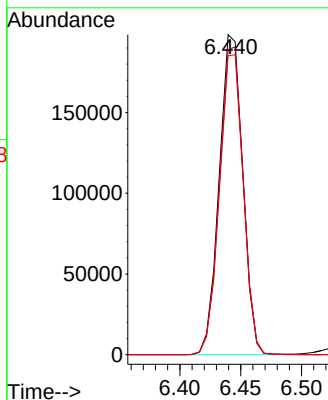
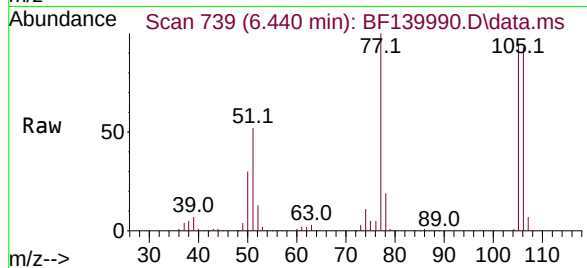
Tgt Ion: 77 Resp: 266226

Ion Ratio Lower Upper

77 100

105 95.4 75.5 115.5

106 93.4 71.7 111.7



#10

Phenol

Concen: 36.861 ng m

RT: 6.528 min Scan# 754

Delta R.T. 0.006 min

Lab File: BF139990.D

Acq: 24 Oct 2024 09:55

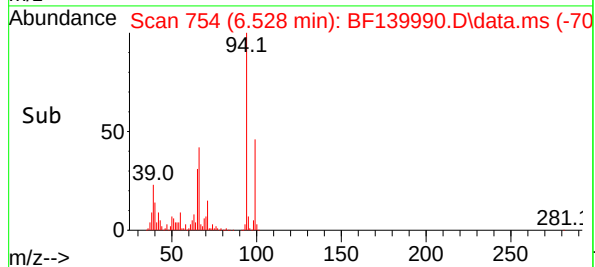
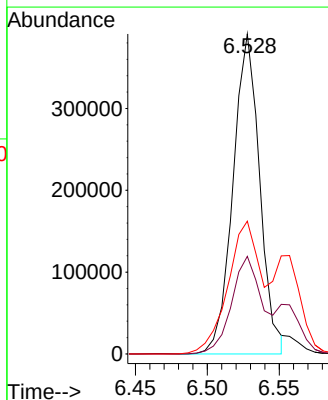
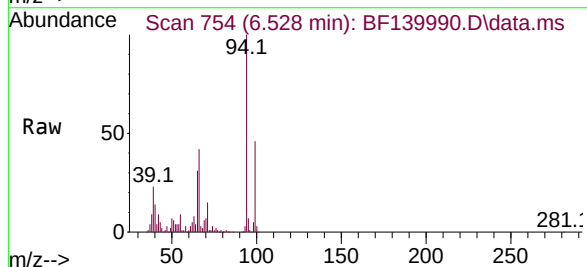
Tgt Ion: 94 Resp: 503800

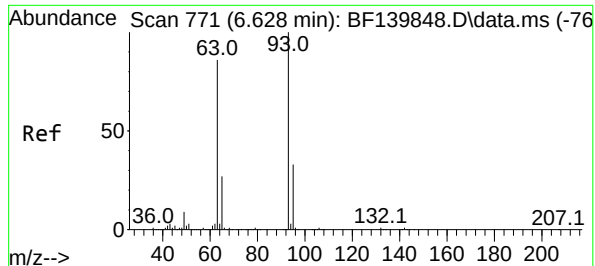
Ion Ratio Lower Upper

94 100

65 30.5 11.1 51.1

66 41.5 22.7 62.7





#11

bis(2-Chloroethyl)ether

Concen: 36.961 ng

RT: 6.628 min Scan# 771

Delta R.T. 0.000 min

Lab File: BF139990.D

Acq: 24 Oct 2024 09:55

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

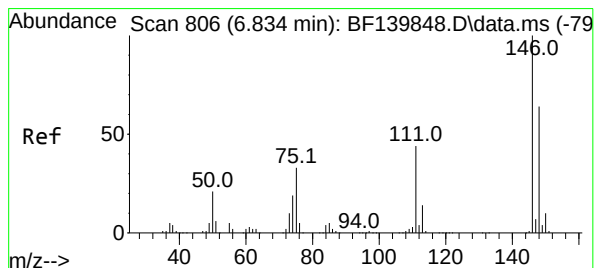
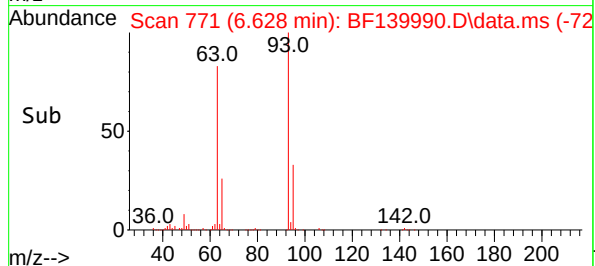
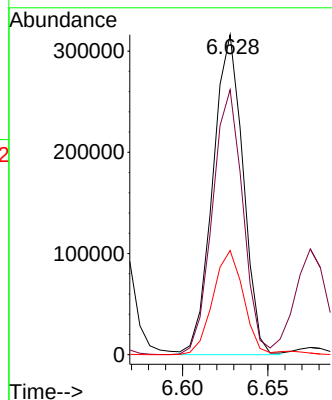
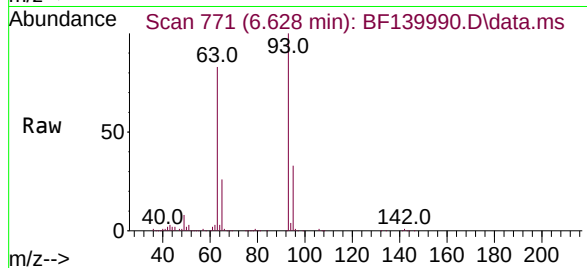
Tgt Ion: 93 Resp: 390457

Ion Ratio Lower Upper

93 100

63 82.8 65.0 105.0

95 32.5 12.4 52.4



#12

1,3-Dichlorobenzene

Concen: 38.824 ng

RT: 6.834 min Scan# 806

Delta R.T. 0.000 min

Lab File: BF139990.D

Acq: 24 Oct 2024 09:55

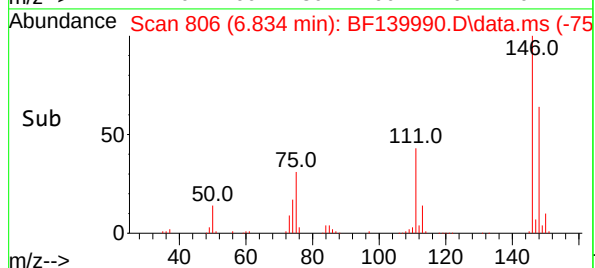
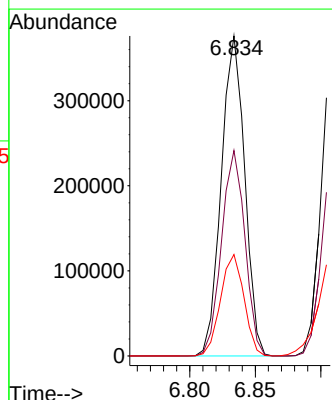
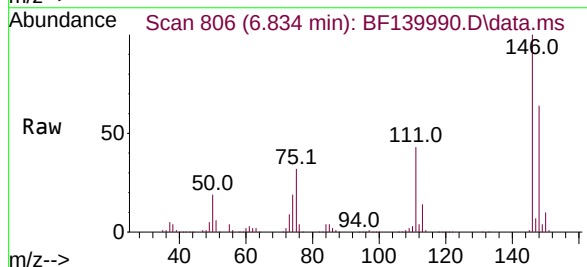
Tgt Ion:146 Resp: 466352

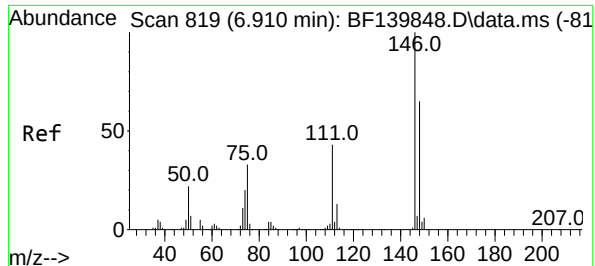
Ion Ratio Lower Upper

146 100

148 64.2 51.0 76.4

75 31.7 26.4 39.6





#13

1,4-Dichlorobenzene

Concen: 38.944 ng

RT: 6.910 min Scan# 819

Delta R.T. 0.000 min

Lab File: BF139990.D

Acq: 24 Oct 2024 09:55

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

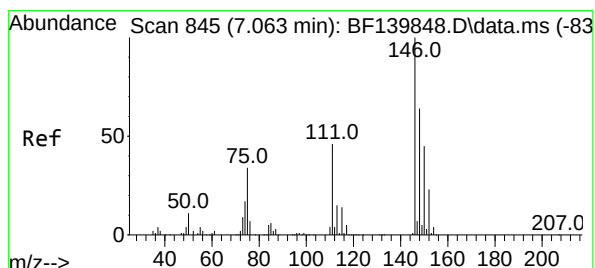
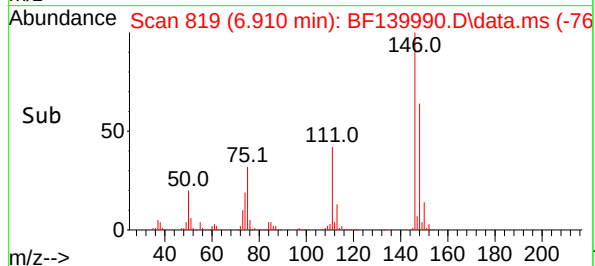
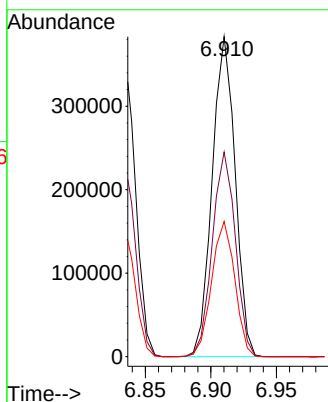
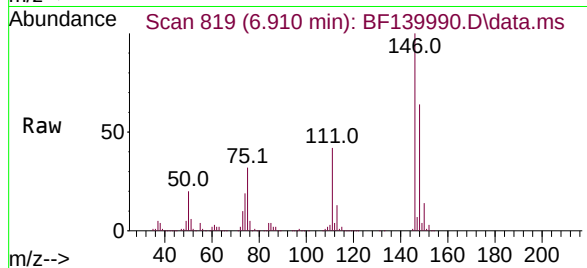
Tgt Ion:146 Resp: 467360

Ion Ratio Lower Upper

146 100

148 64.0 51.8 77.8

111 42.3 34.6 51.8



#14

1,2-Dichlorobenzene

Concen: 38.796 ng

RT: 7.063 min Scan# 845

Delta R.T. 0.000 min

Lab File: BF139990.D

Acq: 24 Oct 2024 09:55

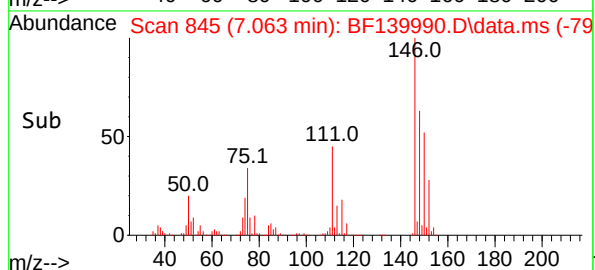
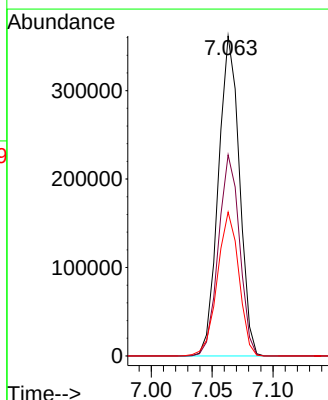
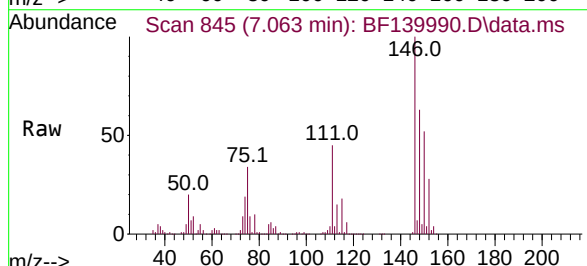
Tgt Ion:146 Resp: 434528

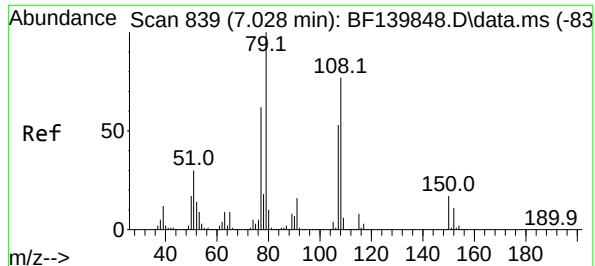
Ion Ratio Lower Upper

146 100

148 62.8 51.4 77.2

111 44.9 36.7 55.1





#15

Benzyl Alcohol

Concen: 37.109 ng

RT: 7.028 min Scan# 81

Delta R.T. 0.000 min

Lab File: BF139990.D

Acq: 24 Oct 2024 09:55

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

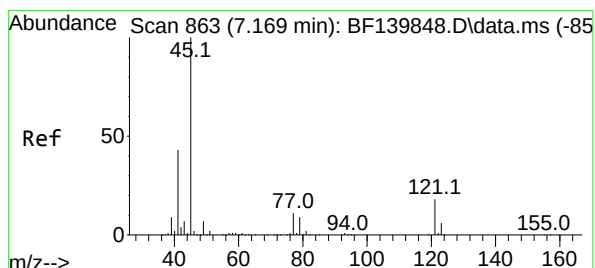
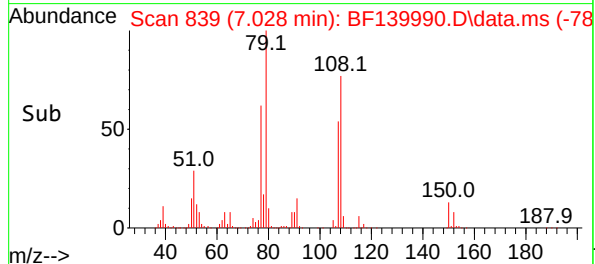
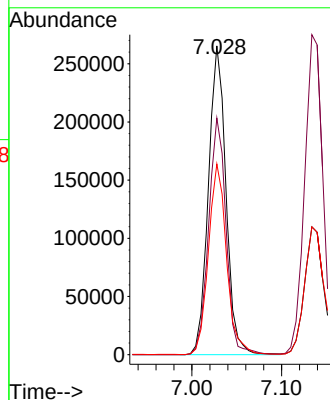
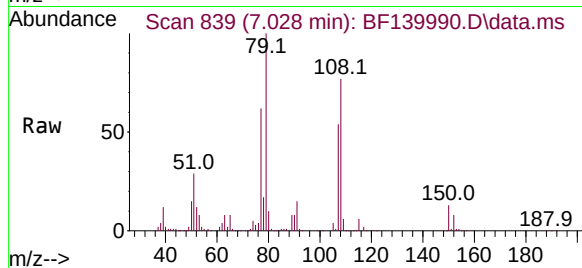
Tgt Ion: 79 Resp: 360873

Ion Ratio Lower Upper

79 100

108 76.6 61.4 92.0

77 61.8 49.9 74.9



#16

2,2'-oxybis(1-chloropropane)

Concen: 34.465 ng

RT: 7.163 min Scan# 862

Delta R.T. -0.006 min

Lab File: BF139990.D

Acq: 24 Oct 2024 09:55

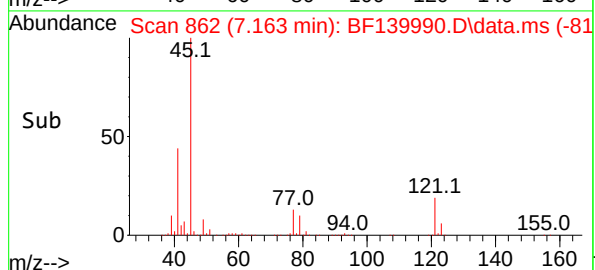
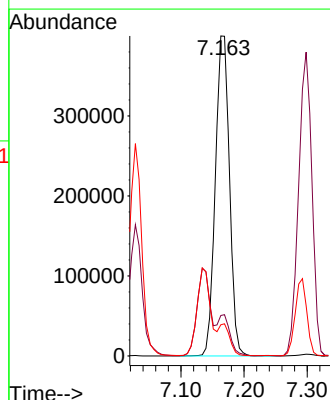
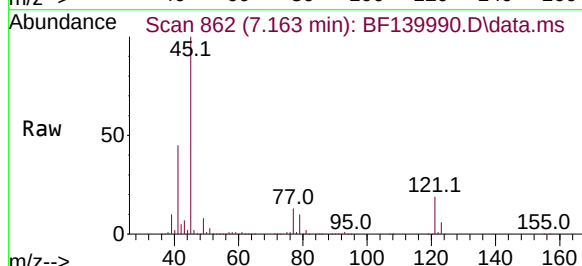
Tgt Ion: 45 Resp: 620809

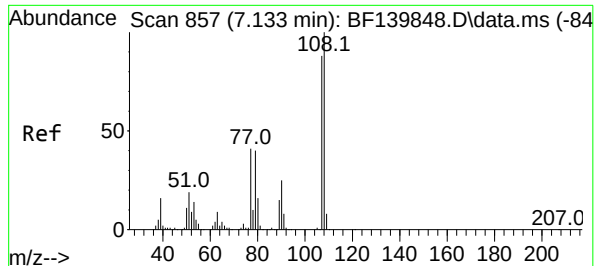
Ion Ratio Lower Upper

45 100

77 12.7 0.0 31.5

79 9.8 0.0 29.1

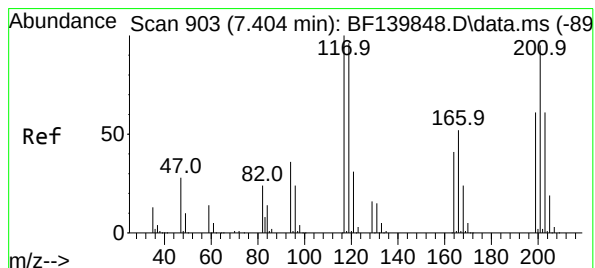
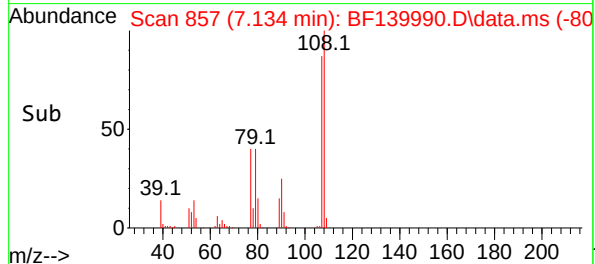
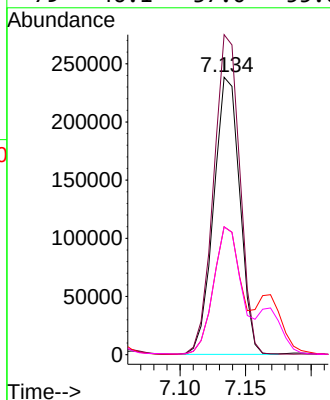
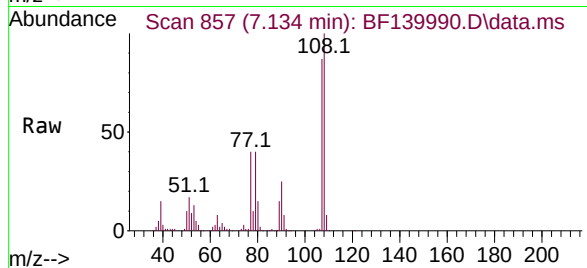




#17  
2-Methylphenol  
Concen: 37.003 ng  
RT: 7.134 min Scan# 857  
Delta R.T. 0.000 min  
Lab File: BF139990.D  
Acq: 24 Oct 2024 09:55

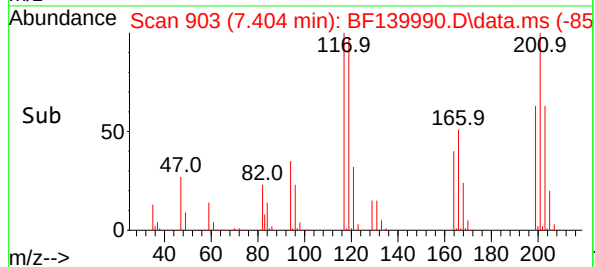
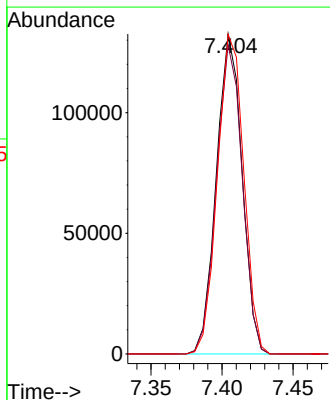
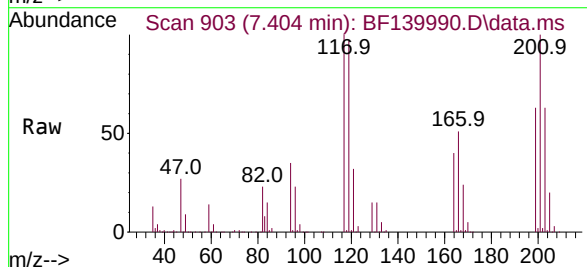
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

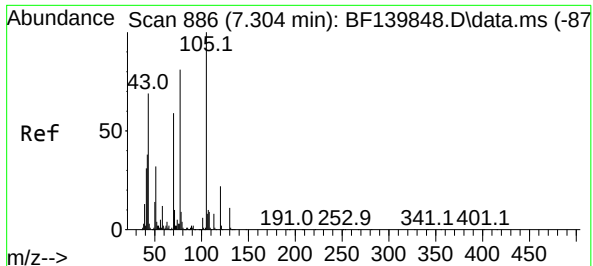
Tgt Ion:107 Resp: 330173  
Ion Ratio Lower Upper  
107 100  
108 115.4 91.3 136.9  
77 46.1 37.1 55.7  
79 46.1 37.0 55.6



#18  
Hexachloroethane  
Concen: 39.033 ng  
RT: 7.404 min Scan# 903  
Delta R.T. 0.000 min  
Lab File: BF139990.D  
Acq: 24 Oct 2024 09:55

Tgt Ion:117 Resp: 167043  
Ion Ratio Lower Upper  
117 100  
119 96.6 77.0 115.4  
201 99.9 76.2 114.4





#19

n-Nitroso-di-n-propylamine

Concen: 35.083 ng

RT: 7.304 min Scan# 886

Delta R.T. 0.000 min

Lab File: BF139990.D

Acq: 24 Oct 2024 09:55

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 70 Resp: 282083

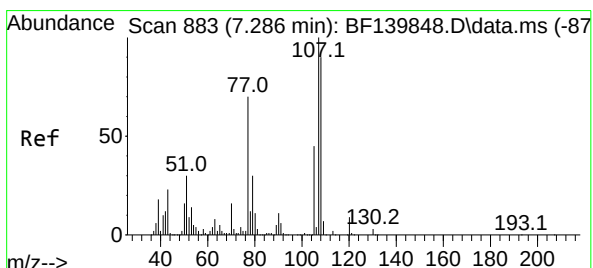
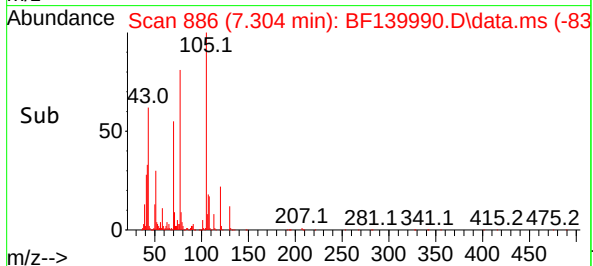
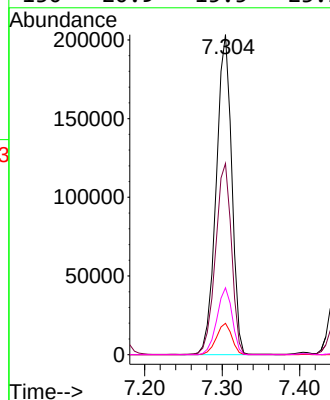
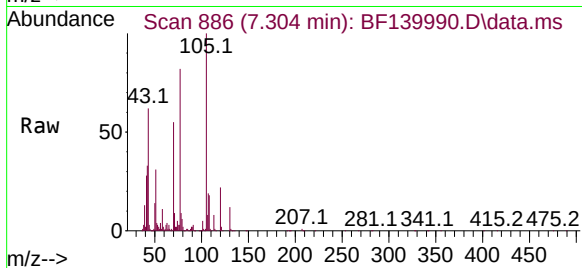
Ion Ratio Lower Upper

70 100

42 59.8 51.5 77.3

101 9.8 7.5 11.3

130 20.9 15.5 23.3



#20

3+4-Methylphenols

Concen: 36.467 ng

RT: 7.292 min Scan# 884

Delta R.T. 0.006 min

Lab File: BF139990.D

Acq: 24 Oct 2024 09:55

Tgt Ion: 107 Resp: 416195

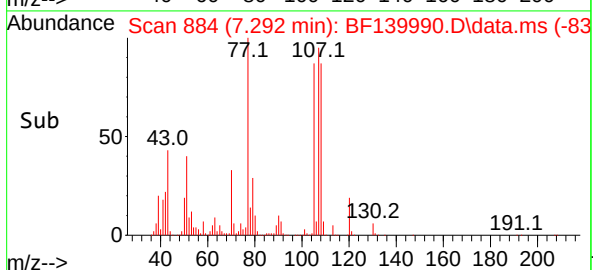
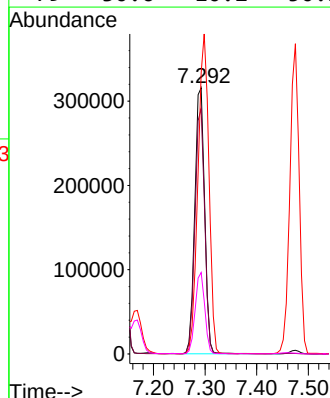
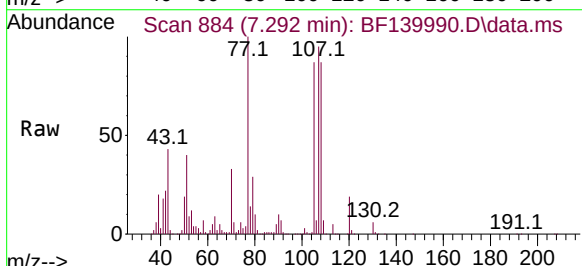
Ion Ratio Lower Upper

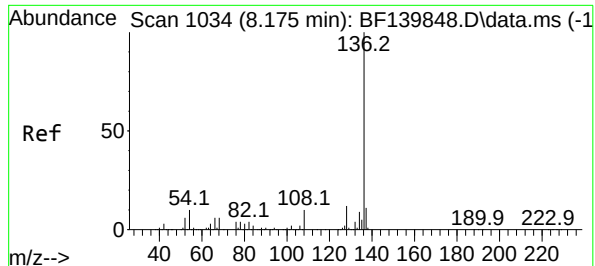
107 100

108 92.2 69.8 109.8

77 105.6 50.5 90.5#

79 30.6 10.2 50.2





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.175 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF139990.D

Acq: 24 Oct 2024 09:55

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

Tgt Ion:136 Resp: 587754

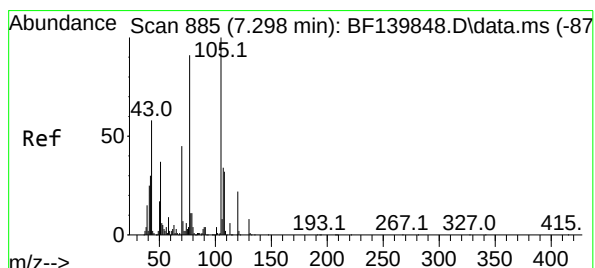
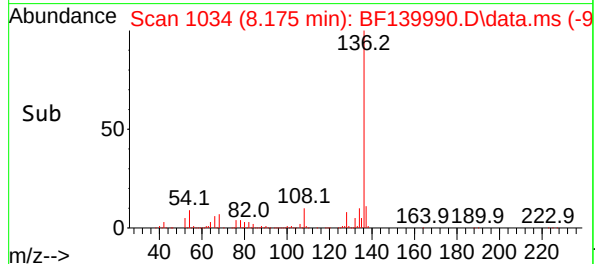
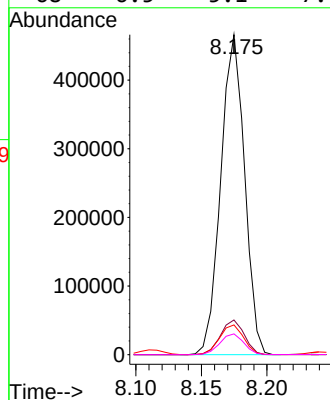
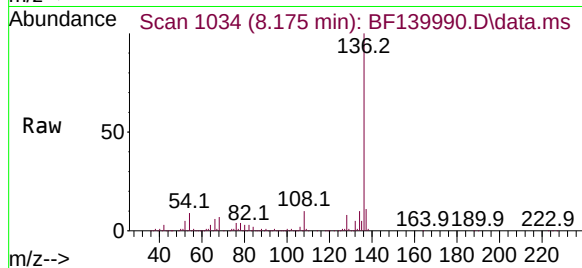
Ion Ratio Lower Upper

136 100

137 10.9 8.6 12.8

54 9.3 8.4 12.6

68 6.5 5.1 7.7



#22

Acetophenone

Concen: 37.912 ng

RT: 7.298 min Scan# 885

Delta R.T. 0.000 min

Lab File: BF139990.D

Acq: 24 Oct 2024 09:55

Tgt Ion:105 Resp: 545776

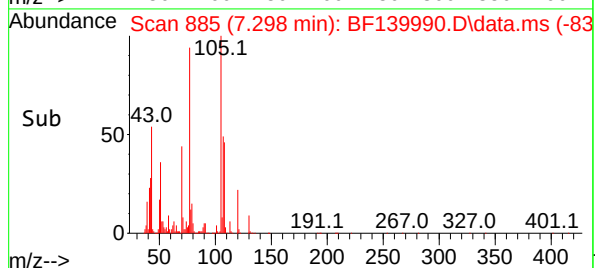
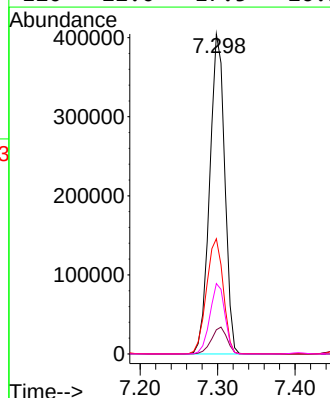
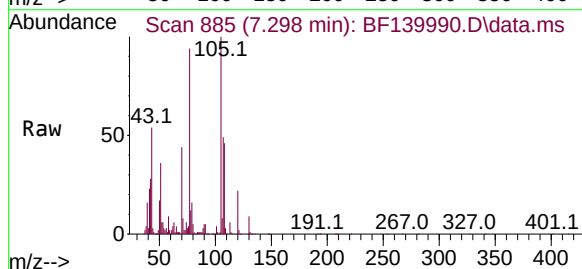
Ion Ratio Lower Upper

105 100

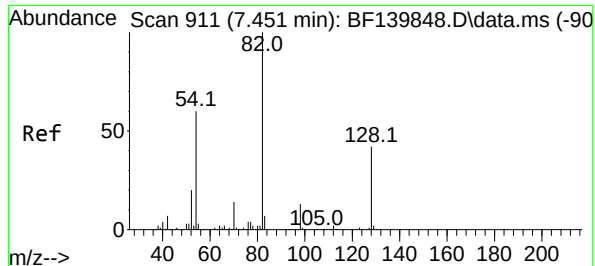
71 7.6 5.9 8.9

51 36.0 29.4 44.2

120 22.0 17.5 26.3







#23

Nitrobenzene-d5

Concen: 82.866 ng

RT: 7.451 min Scan# 911

Delta R.T. 0.000 min

Lab File: BF139990.D

Acq: 24 Oct 2024 09:55

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

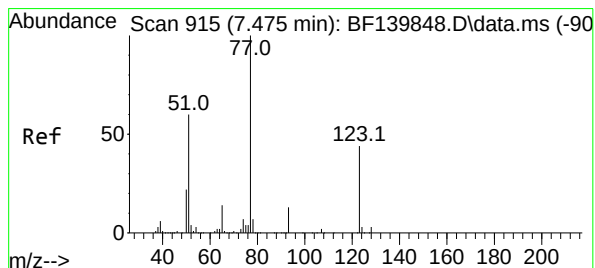
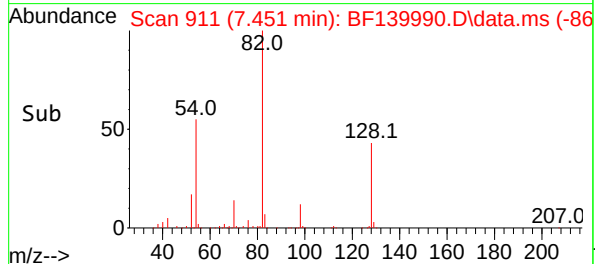
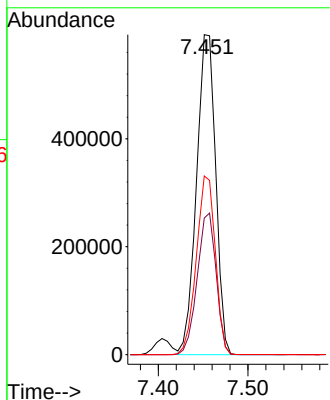
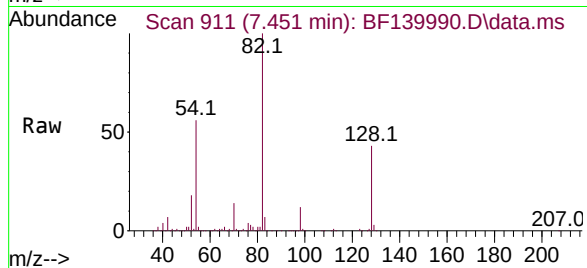
Tgt Ion: 82 Resp: 878769

Ion Ratio Lower Upper

82 100

128 42.7 33.4 50.0

54 55.8 47.8 71.8



#24

Nitrobenzene

Concen: 39.608 ng

RT: 7.475 min Scan# 915

Delta R.T. 0.000 min

Lab File: BF139990.D

Acq: 24 Oct 2024 09:55

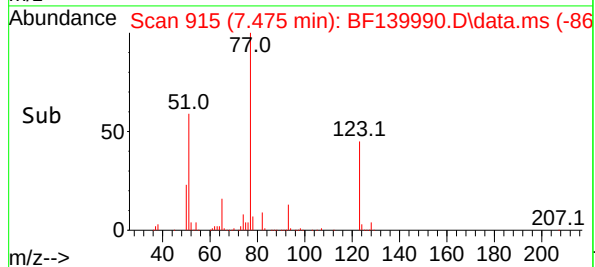
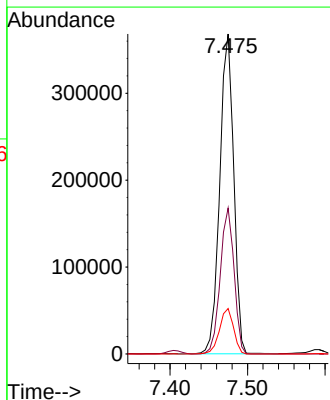
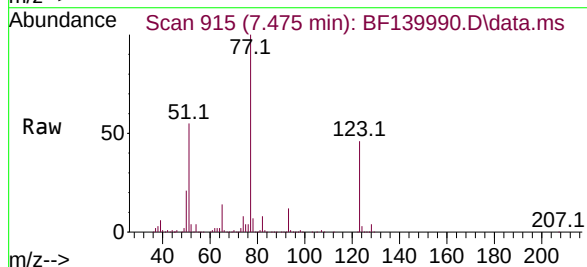
Tgt Ion: 77 Resp: 460520

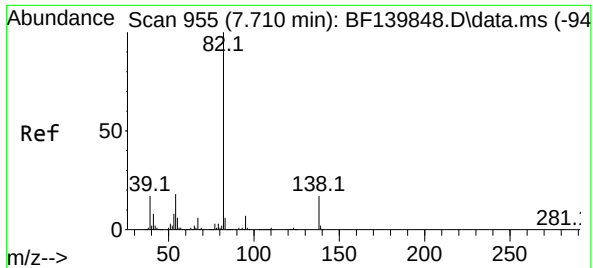
Ion Ratio Lower Upper

77 100

123 45.6 35.7 53.5

65 14.2 11.5 17.3

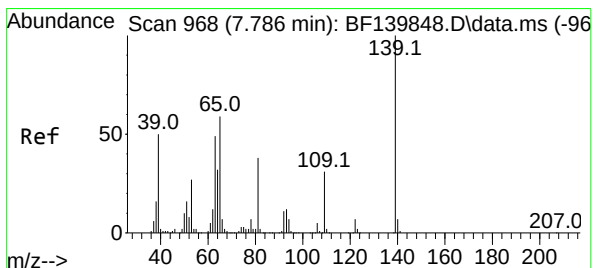
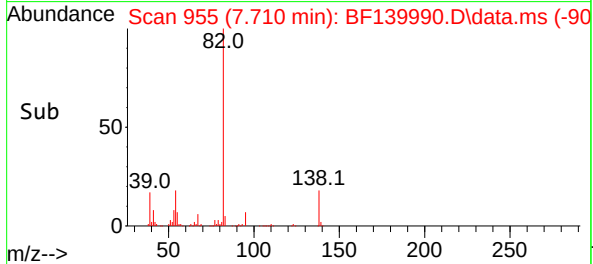
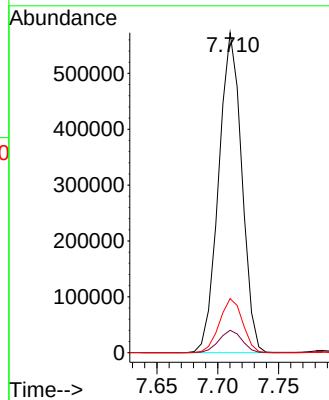
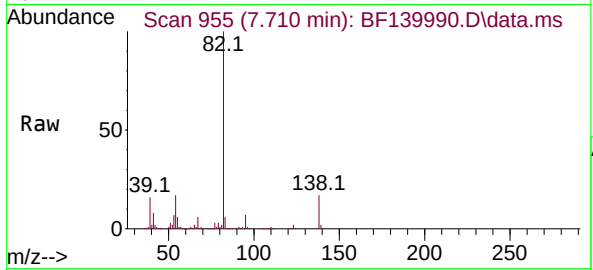




#25  
Isophorone  
Concen: 37.614 ng  
RT: 7.710 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: BF139990.D  
Acq: 24 Oct 2024 09:55

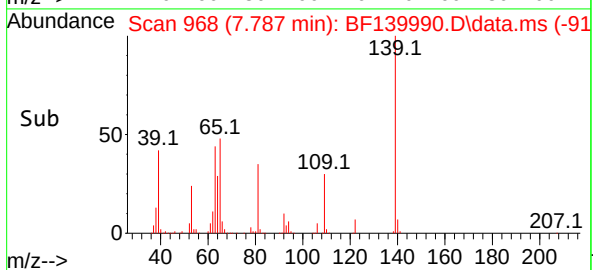
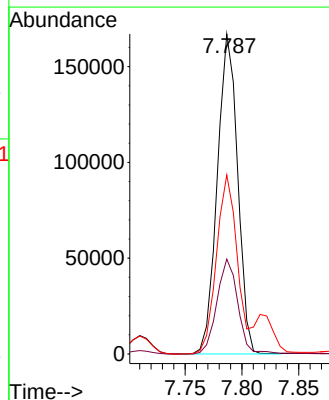
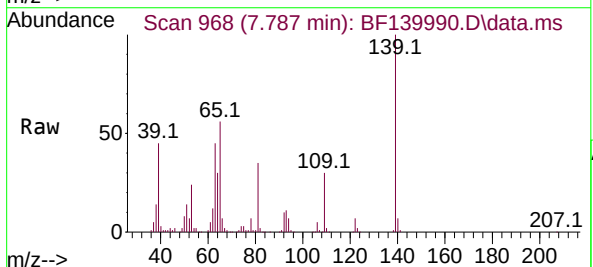
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

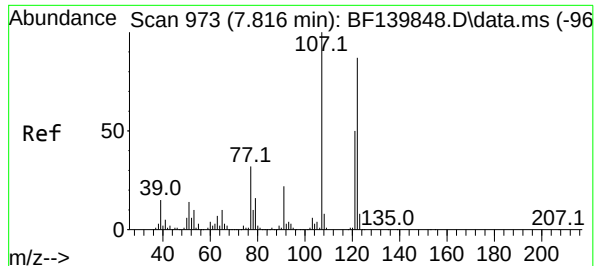
Tgt Ion: 82 Resp: 757098  
Ion Ratio Lower Upper  
82 100  
95 7.0 5.5 8.3  
138 16.9 13.2 19.8



#26  
2-Nitrophenol  
Concen: 47.492 ng  
RT: 7.787 min Scan# 968  
Delta R.T. 0.000 min  
Lab File: BF139990.D  
Acq: 24 Oct 2024 09:55

Tgt Ion: 139 Resp: 208316  
Ion Ratio Lower Upper  
139 100  
109 29.7 25.1 37.7  
65 56.0 47.5 71.3





#27

2,4-Dimethylphenol

Concen: 37.550 ng

RT: 7.822 min Scan# 91

Delta R.T. 0.006 min

Lab File: BF139990.D

Acq: 24 Oct 2024 09:55

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

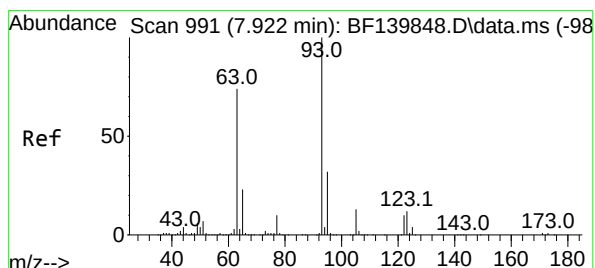
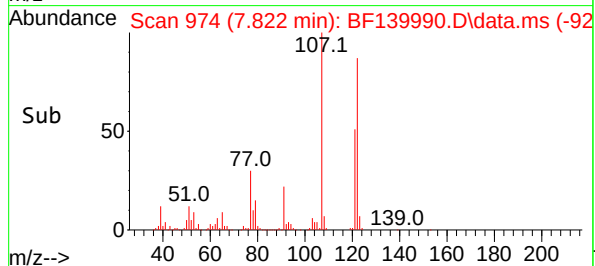
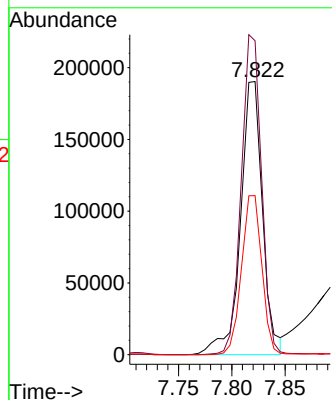
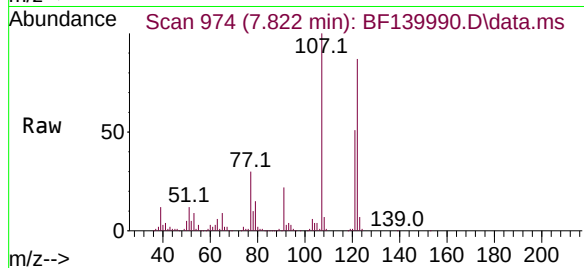
Tgt Ion:122 Resp: 274637

Ion Ratio Lower Upper

122 100

107 114.9 91.9 137.9

121 58.2 46.2 69.4



#28

bis(2-Chloroethoxy)methane

Concen: 37.932 ng

RT: 7.922 min Scan# 991

Delta R.T. 0.000 min

Lab File: BF139990.D

Acq: 24 Oct 2024 09:55

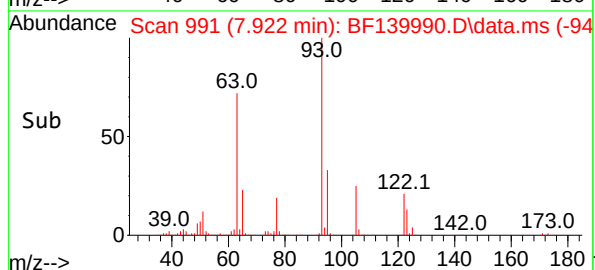
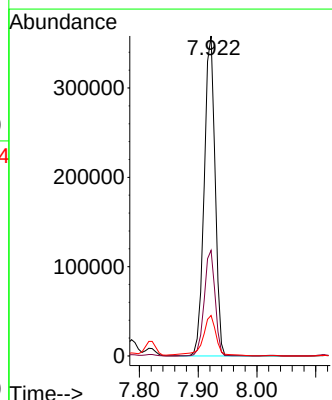
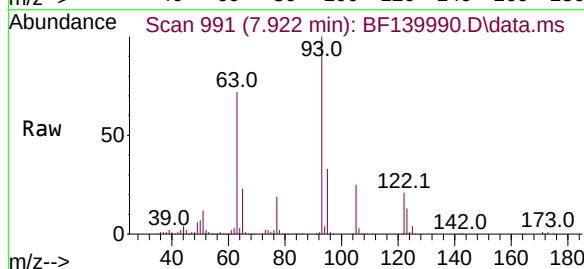
Tgt Ion: 93 Resp: 462579

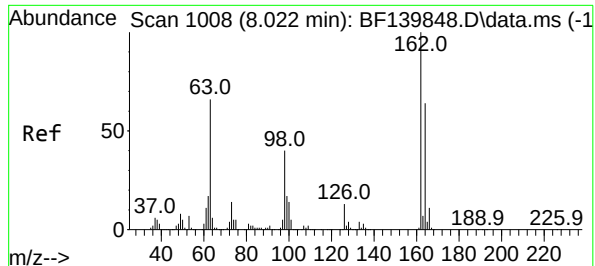
Ion Ratio Lower Upper

93 100

95 33.0 26.0 39.0

123 12.7 9.8 14.8





#29

2,4-Dichlorophenol

Concen: 39.521 ng

RT: 8.028 min Scan# 1008

Delta R.T. 0.006 min

Lab File: BF139990.D

Acq: 24 Oct 2024 09:55

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

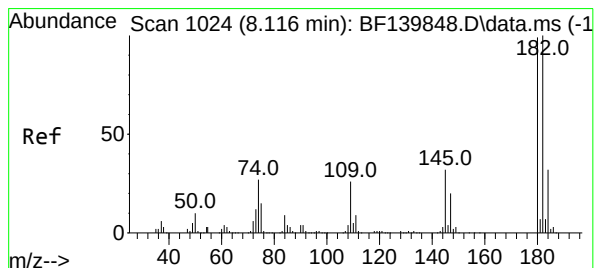
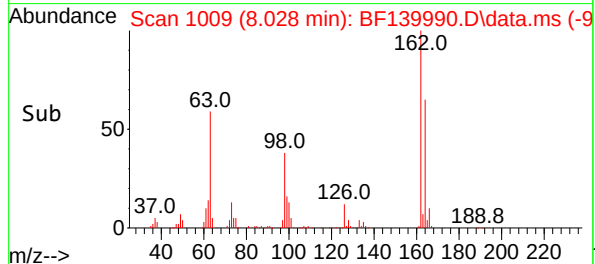
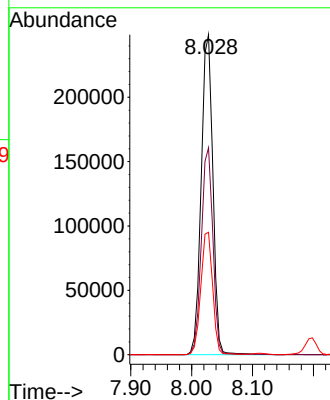
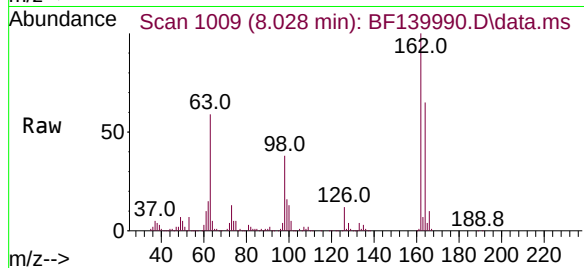
Tgt Ion:162 Resp: 329245

Ion Ratio Lower Upper

162 100

164 64.6 43.9 83.9

98 38.2 19.9 59.9



#30

1,2,4-Trichlorobenzene

Concen: 40.140 ng

RT: 8.116 min Scan# 1024

Delta R.T. 0.000 min

Lab File: BF139990.D

Acq: 24 Oct 2024 09:55

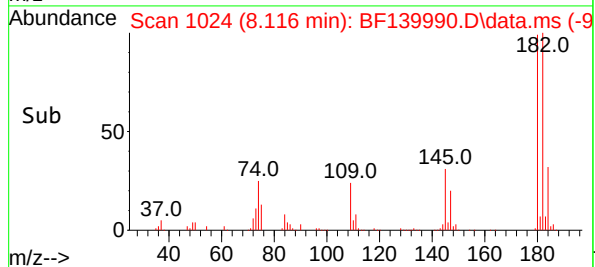
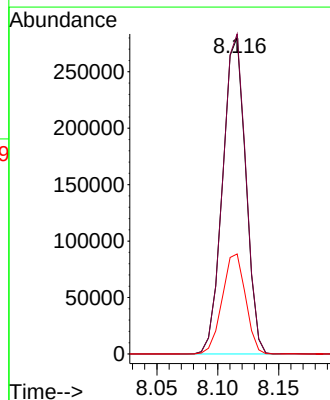
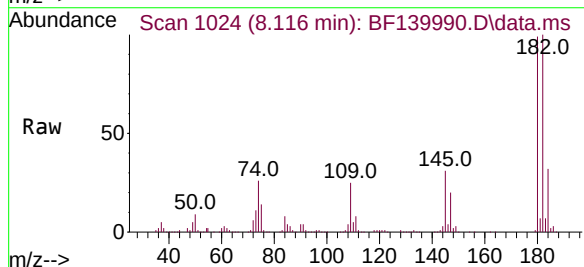
Tgt Ion:180 Resp: 370013

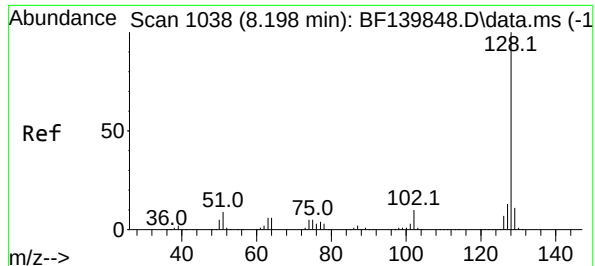
Ion Ratio Lower Upper

180 100

182 101.1 80.5 120.7

145 31.6 25.4 38.0





#31

Naphthalene

Concen: 38.897 ng

RT: 8.198 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF139990.D

Acq: 24 Oct 2024 09:55

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

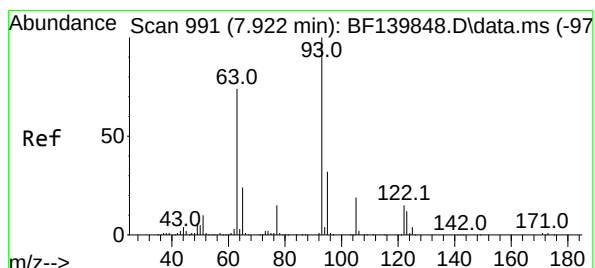
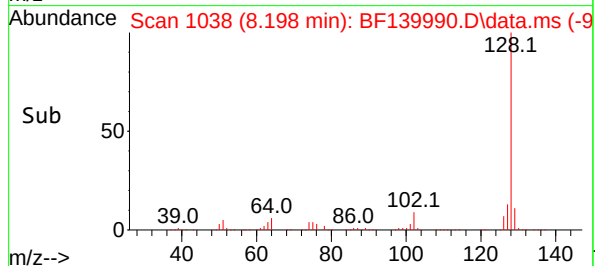
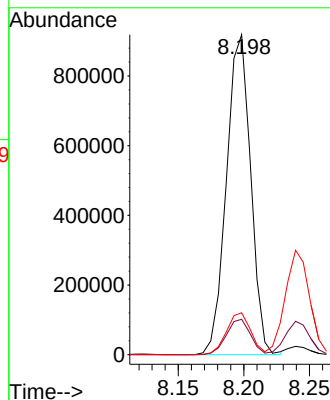
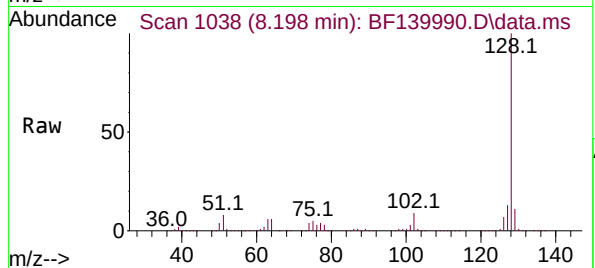
Tgt Ion:128 Resp: 1179077

Ion Ratio Lower Upper

128 100

129 11.0 8.9 13.3

127 13.1 10.6 16.0



#32

Benzoic acid

Concen: 45.616 ng

RT: 7.922 min Scan# 991

Delta R.T. -0.000 min

Lab File: BF139990.D

Acq: 24 Oct 2024 09:55

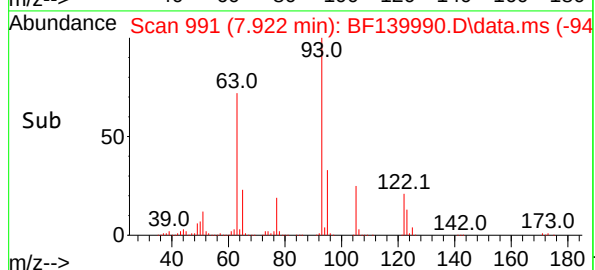
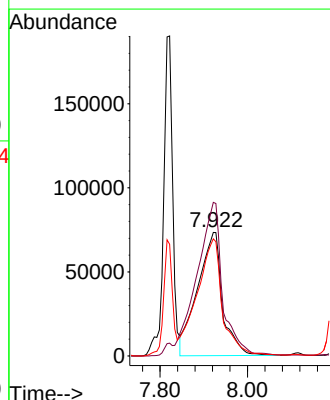
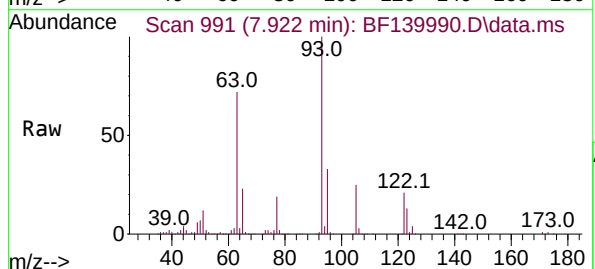
Tgt Ion:122 Resp: 290994

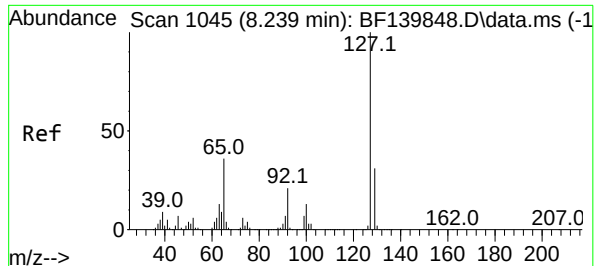
Ion Ratio Lower Upper

122 100

105 124.2 107.6 147.6

77 94.7 80.2 120.2





#33

4-Chloroaniline

Concen: 38.001 ng

RT: 8.239 min Scan# 1045

Delta R.T. 0.000 min

Lab File: BF139990.D

Acq: 24 Oct 2024 09:55

Instrument :

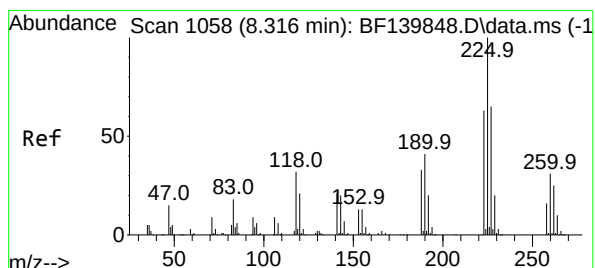
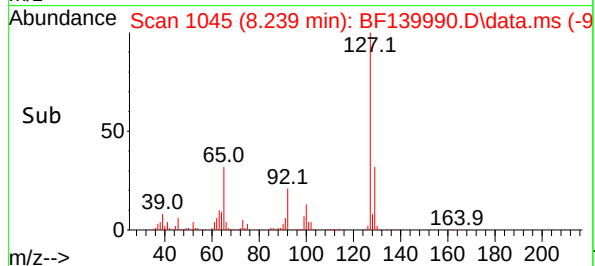
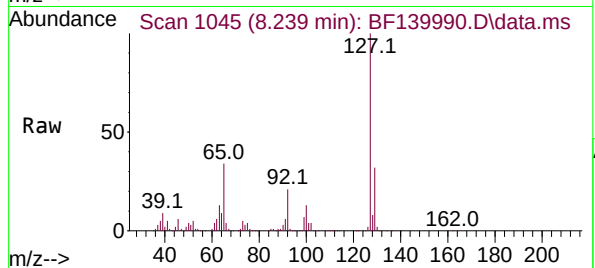
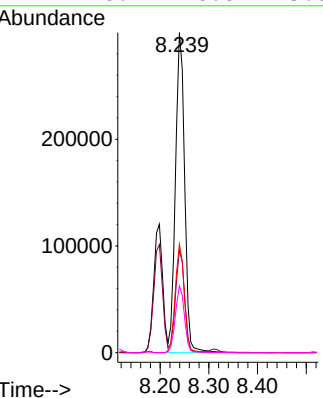
BNA\_F

ClientSampleId :

SSTDCCC040

Tgt Ion:127 Resp: 392794

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 127 | 100   |       |       |
| 129 | 32.0  | 25.4  | 38.2  |
| 65  | 33.8  | 28.4  | 42.6  |
| 92  | 20.9  | 16.6  | 25.0  |



#34

Hexachlorobutadiene

Concen: 41.060 ng

RT: 8.310 min Scan# 1057

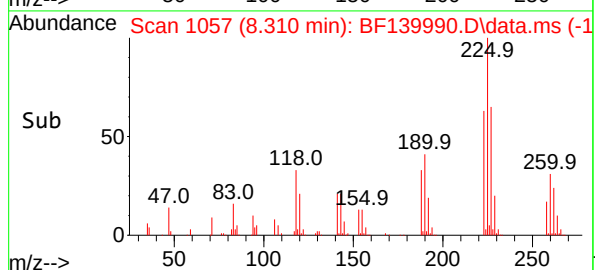
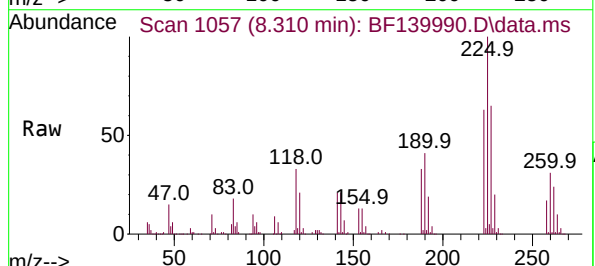
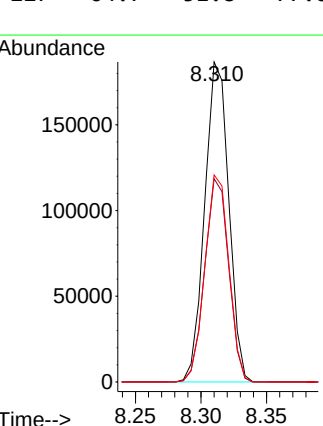
Delta R.T. -0.006 min

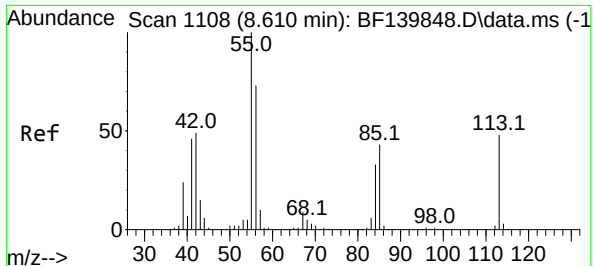
Lab File: BF139990.D

Acq: 24 Oct 2024 09:55

Tgt Ion:225 Resp: 237818

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 225 | 100   |       |       |
| 223 | 63.5  | 50.6  | 76.0  |
| 227 | 64.7  | 51.8  | 77.8  |





#35

Caprolactam

Concen: 38.918 ng

RT: 8.610 min Scan# 1108

Delta R.T. 0.000 min

Lab File: BF139990.D

Acq: 24 Oct 2024 09:55

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

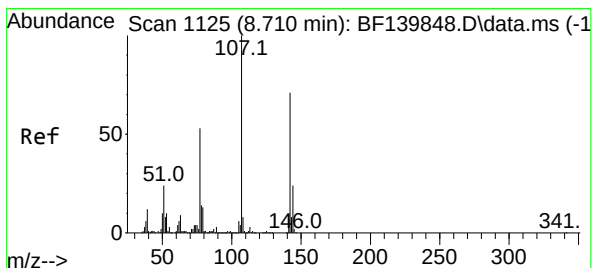
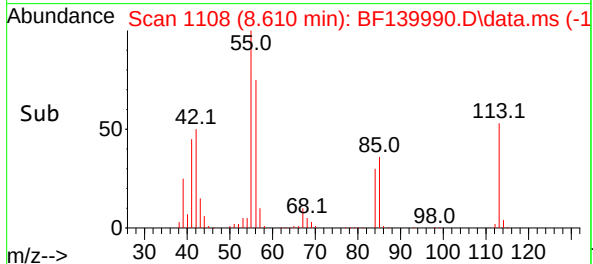
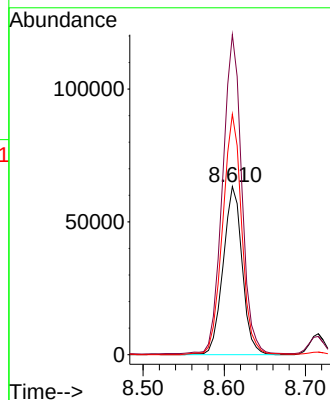
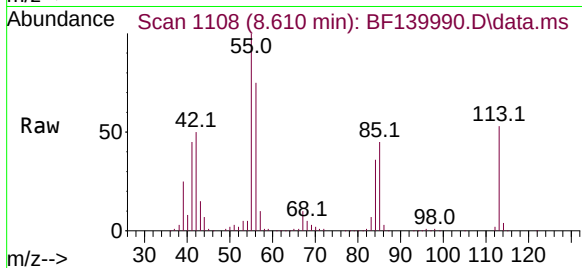
Tgt Ion:113 Resp: 103091

Ion Ratio Lower Upper

113 100

55 190.2 189.2 229.2

56 143.0 132.5 172.5



#36

4-Chloro-3-methylphenol

Concen: 38.132 ng

RT: 8.716 min Scan# 1126

Delta R.T. 0.006 min

Lab File: BF139990.D

Acq: 24 Oct 2024 09:55

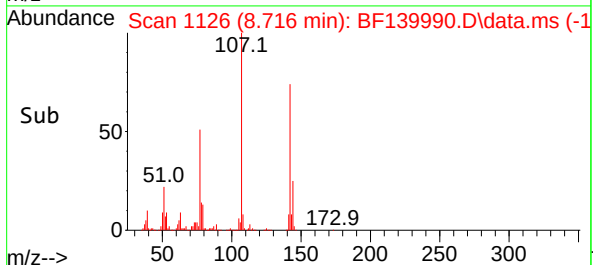
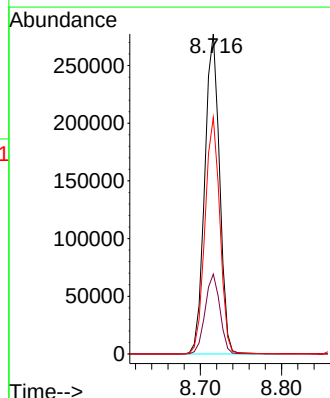
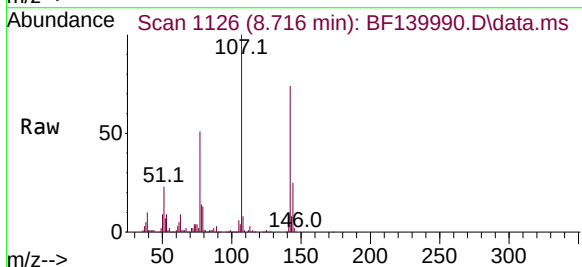
Tgt Ion:107 Resp: 351754

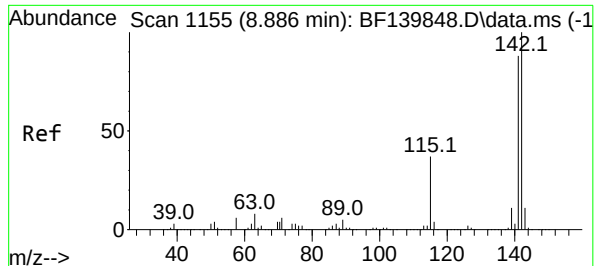
Ion Ratio Lower Upper

107 100

144 25.0 19.1 28.7

142 73.9 57.2 85.8





#37

2-Methylnaphthalene

Concen: 38.975 ng

RT: 8.886 min Scan# 1155

Delta R.T. 0.000 min

Lab File: BF139990.D

Acq: 24 Oct 2024 09:55

Instrument :

BNA\_F

ClientSampleId :

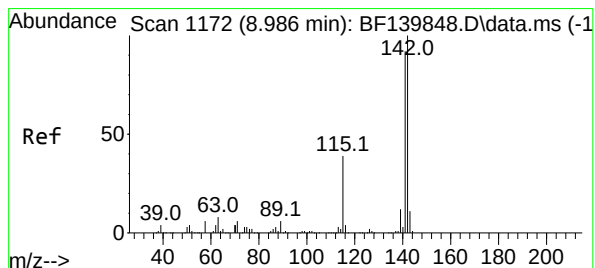
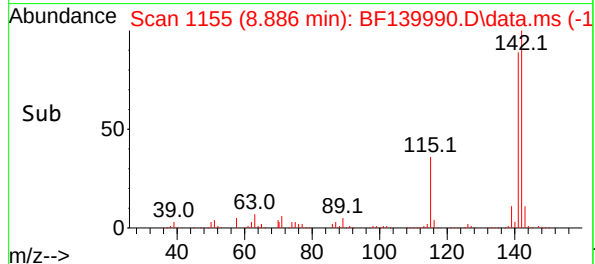
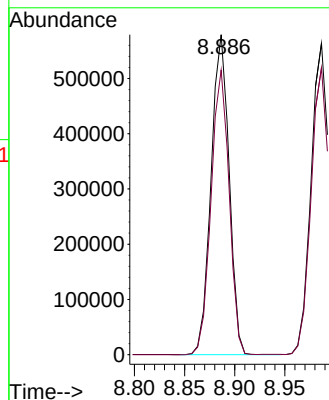
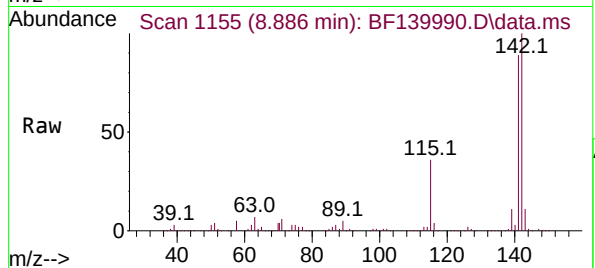
SSTDCCC040

Tgt Ion:142 Resp: 723557

Ion Ratio Lower Upper

142 100

141 89.0 70.8 106.2



#38

1-Methylnaphthalene

Concen: 38.809 ng

RT: 8.986 min Scan# 1172

Delta R.T. 0.000 min

Lab File: BF139990.D

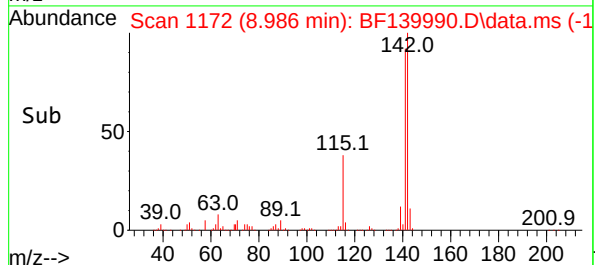
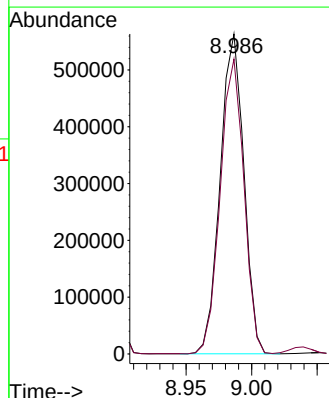
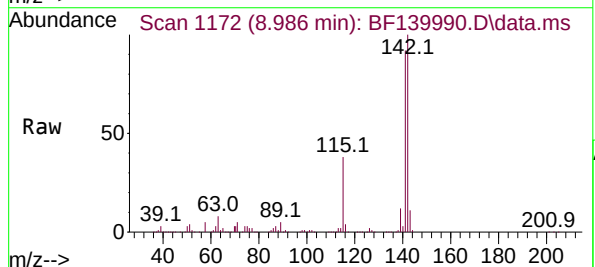
Acq: 24 Oct 2024 09:55

Tgt Ion:142 Resp: 706876

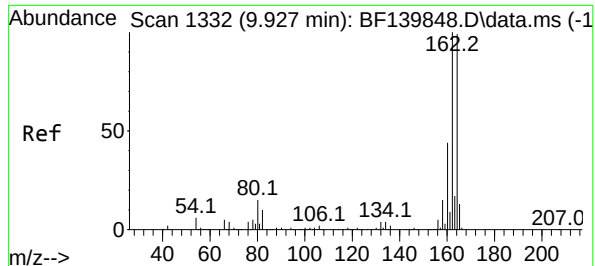
Ion Ratio Lower Upper

142 100

141 92.1 73.5 110.3







#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.928 min Scan# 11

Delta R.T. 0.001 min

Lab File: BF139990.D

Acq: 24 Oct 2024 09:55

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

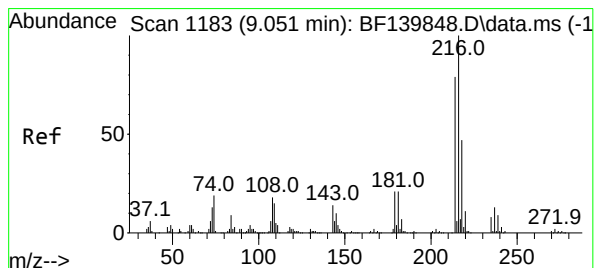
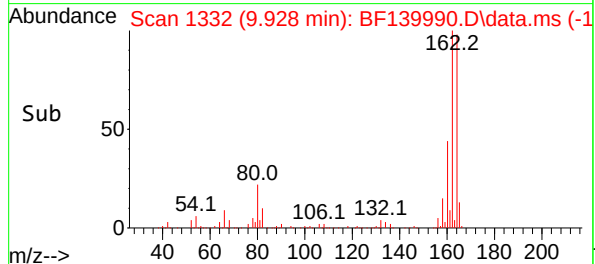
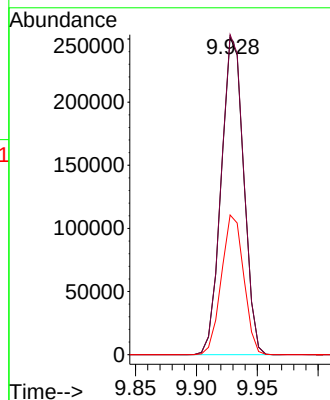
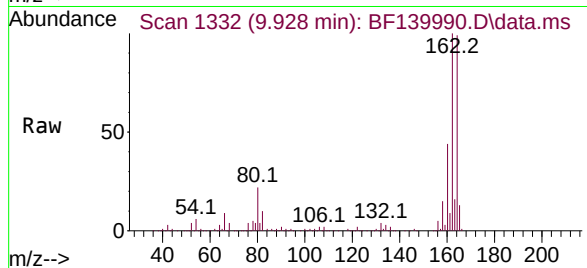
Tgt Ion:164 Resp: 322730

Ion Ratio Lower Upper

164 100

162 100.7 81.0 121.4

160 43.9 35.4 53.0



#40

1,2,4,5-Tetrachlorobenzene

Concen: 40.864 ng

RT: 9.051 min Scan# 1183

Delta R.T. 0.000 min

Lab File: BF139990.D

Acq: 24 Oct 2024 09:55

Tgt Ion:216 Resp: 355797

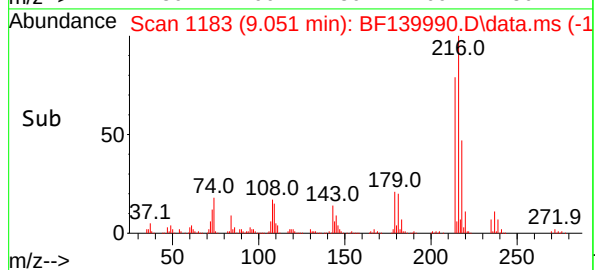
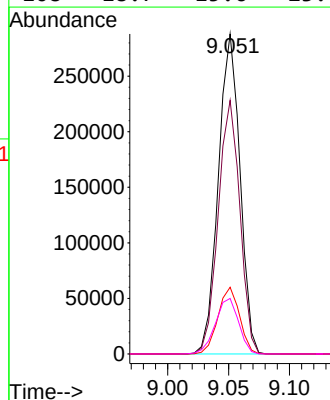
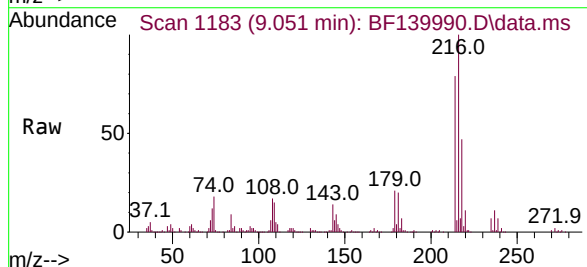
Ion Ratio Lower Upper

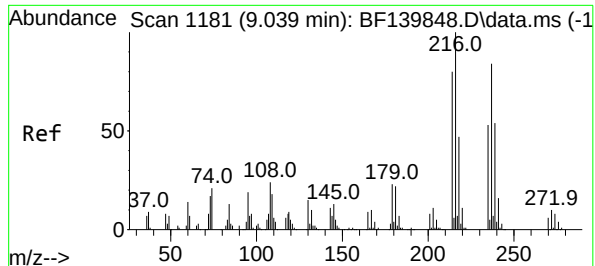
216 100

214 79.3 63.4 95.0

179 20.8 17.2 25.8

108 18.7 15.6 23.4

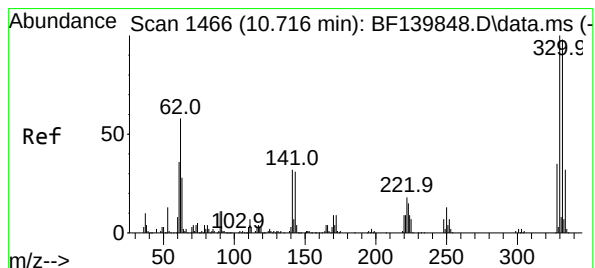
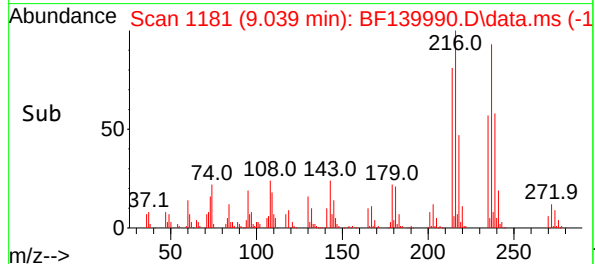
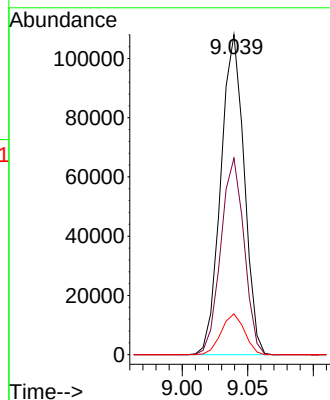
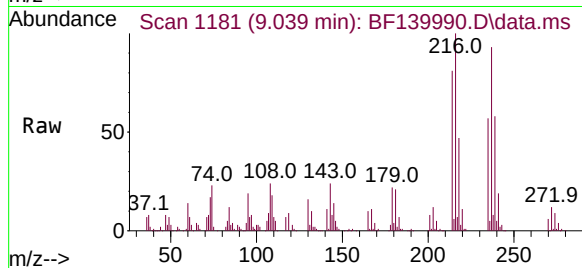




#41  
Hexachlorocyclopentadiene  
Concen: 44.115 ng  
RT: 9.039 min Scan# 1181  
Delta R.T. 0.000 min  
Lab File: BF139990.D  
Acq: 24 Oct 2024 09:55

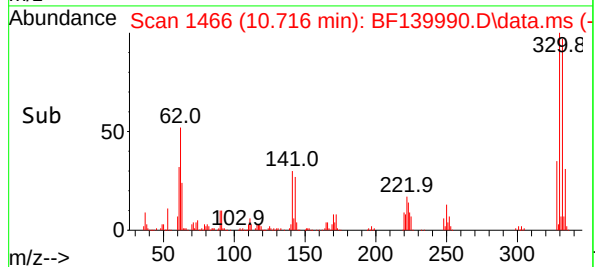
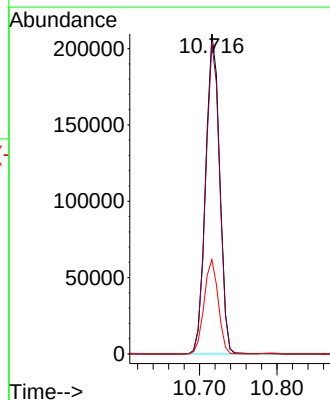
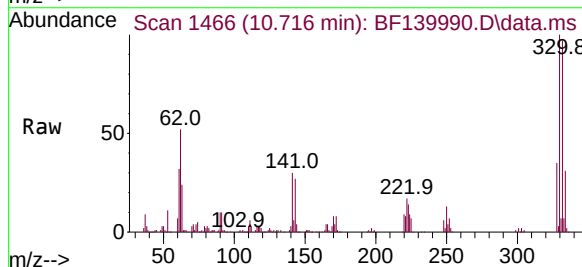
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

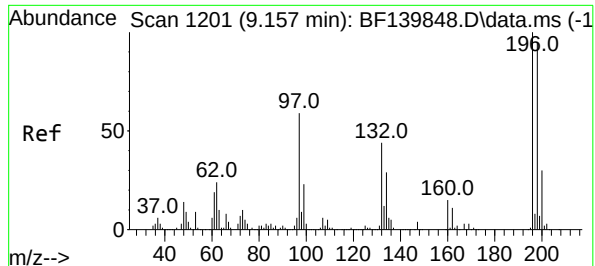
Tgt Ion:237 Resp: 133648  
Ion Ratio Lower Upper  
237 100  
235 61.4 42.9 82.9  
272 12.8 0.0 32.3



#42  
2,4,6-Tribromophenol  
Concen: 87.672 ng  
RT: 10.716 min Scan# 1466  
Delta R.T. 0.000 min  
Lab File: BF139990.D  
Acq: 24 Oct 2024 09:55

Tgt Ion:330 Resp: 264656  
Ion Ratio Lower Upper  
330 100  
332 96.8 78.1 117.1  
141 29.4 26.6 39.8





#43

2,4,6-Trichlorophenol

Concen: 42.231 ng

RT: 9.157 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF139990.D

Acq: 24 Oct 2024 09:55

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

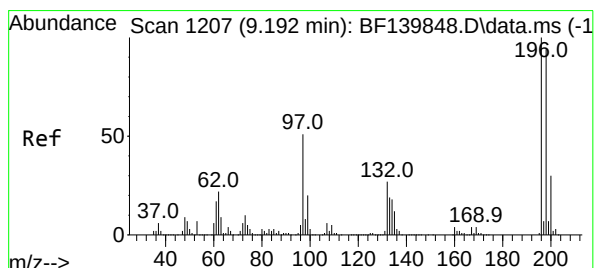
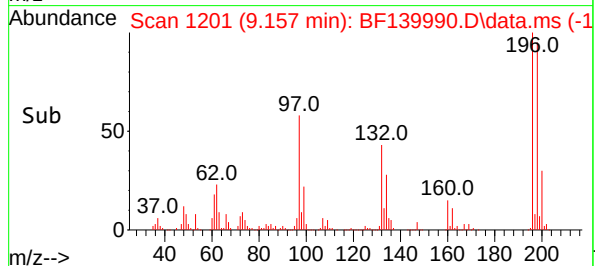
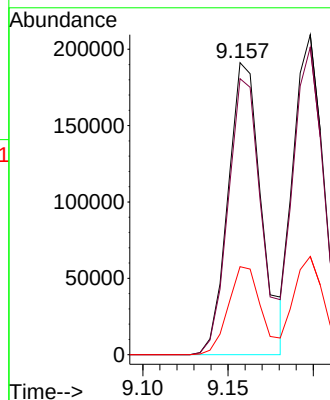
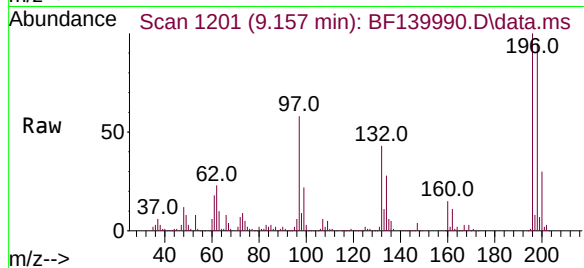
Tgt Ion:196 Resp: 260321

Ion Ratio Lower Upper

196 100

198 94.5 76.2 114.2

200 30.2 24.0 36.0



#44

2,4,5-Trichlorophenol

Concen: 40.103 ng

RT: 9.198 min Scan# 1208

Delta R.T. 0.006 min

Lab File: BF139990.D

Acq: 24 Oct 2024 09:55

Tgt Ion:196 Resp: 255051

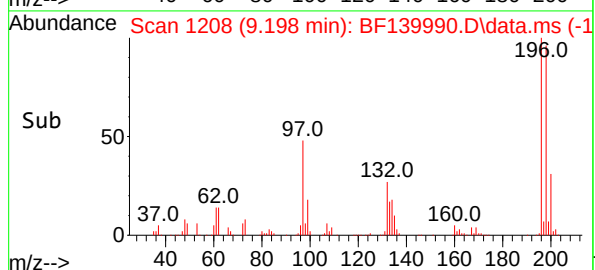
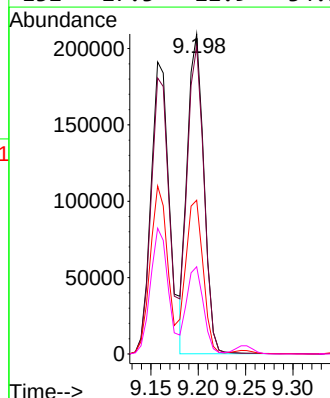
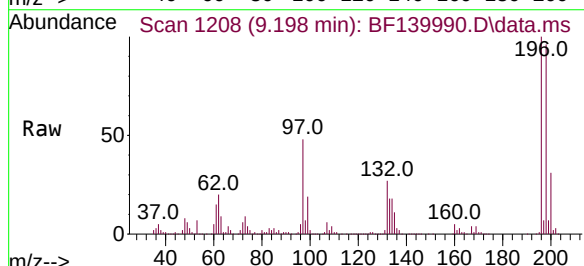
Ion Ratio Lower Upper

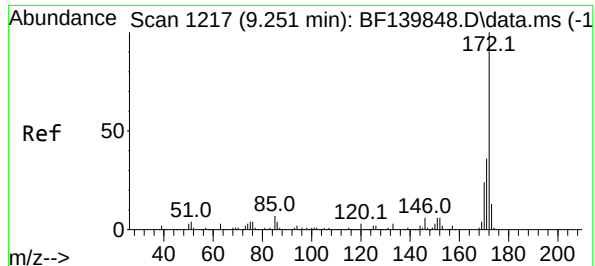
196 100

198 96.1 75.8 113.6

97 48.1 41.8 62.6

132 27.3 22.9 34.3





#45

2-Fluorobiphenyl

Concen: 78.229 ng

RT: 9.251 min Scan# 1217

Delta R.T. 0.000 min

Lab File: BF139990.D

Acq: 24 Oct 2024 09:55

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

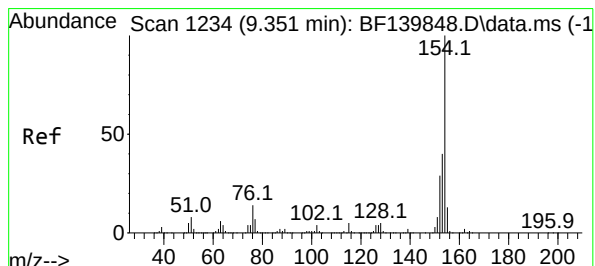
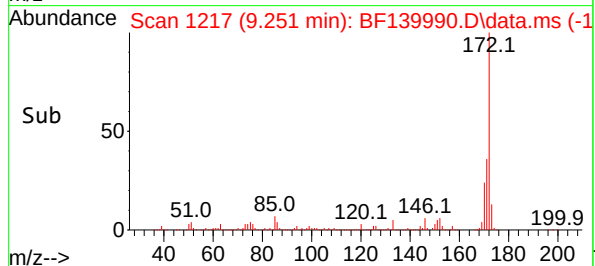
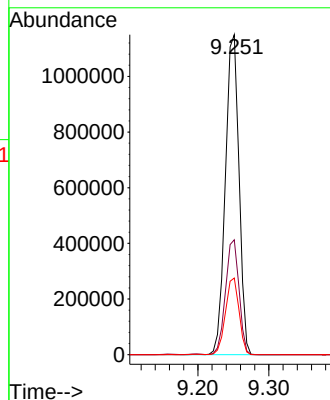
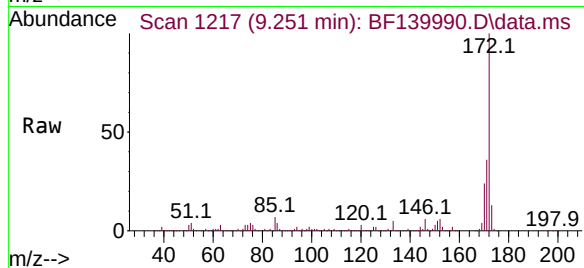
Tgt Ion:172 Resp: 1527609

Ion Ratio Lower Upper

172 100

171 35.9 28.6 43.0

170 24.0 19.1 28.7



#46

1,1'-Biphenyl

Concen: 39.383 ng

RT: 9.351 min Scan# 1234

Delta R.T. 0.000 min

Lab File: BF139990.D

Acq: 24 Oct 2024 09:55

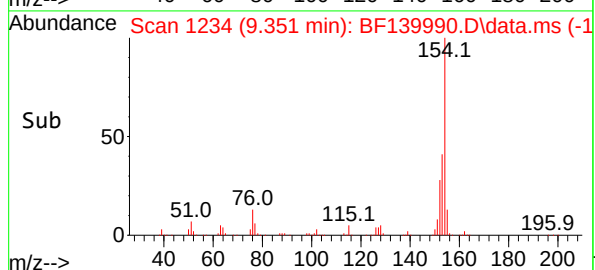
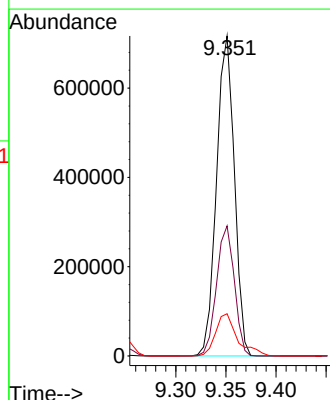
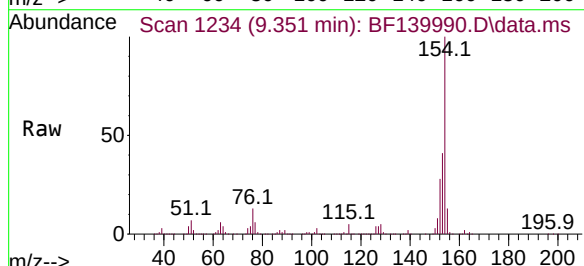
Tgt Ion:154 Resp: 884807

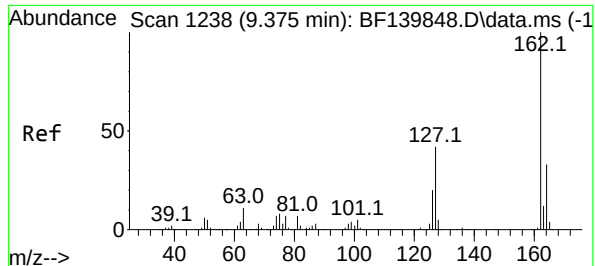
Ion Ratio Lower Upper

154 100

153 40.7 20.3 60.3

76 13.2 0.0 33.9





#47

2-Chloronaphthalene

Concen: 39.600 ng

RT: 9.375 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF139990.D

Acq: 24 Oct 2024 09:55

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

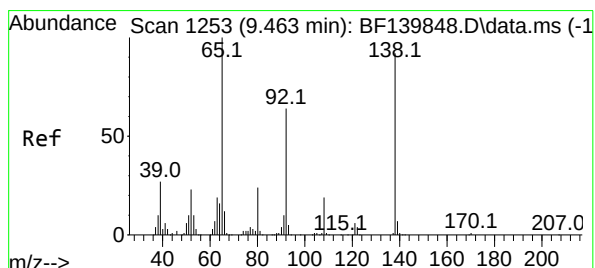
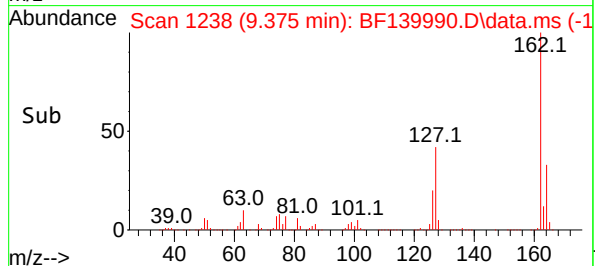
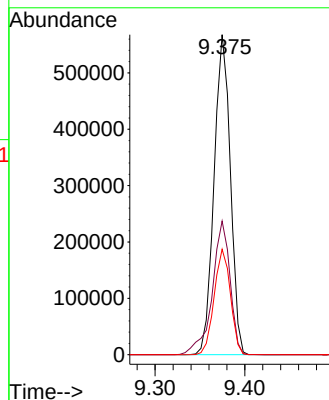
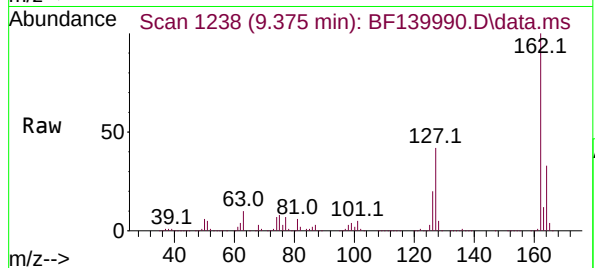
Tgt Ion:162 Resp: 716569

Ion Ratio Lower Upper

162 100

127 41.7 33.8 50.6

164 32.9 26.6 39.8



#48

2-Nitroaniline

Concen: 42.243 ng

RT: 9.469 min Scan# 1254

Delta R.T. 0.006 min

Lab File: BF139990.D

Acq: 24 Oct 2024 09:55

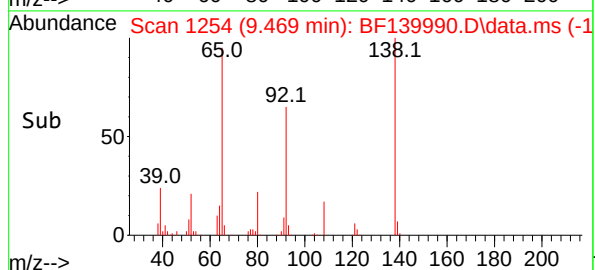
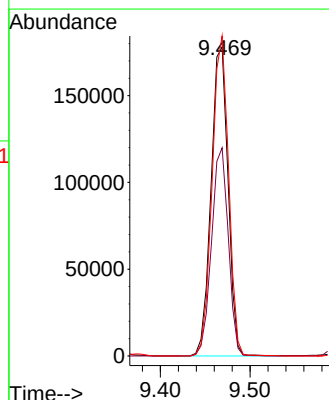
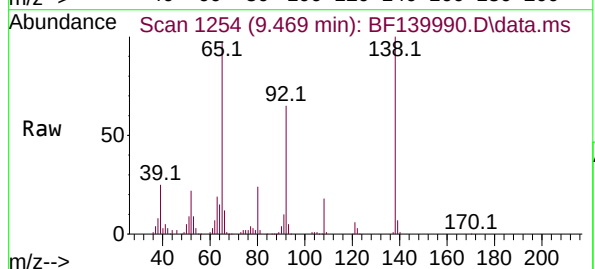
Tgt Ion: 65 Resp: 233781

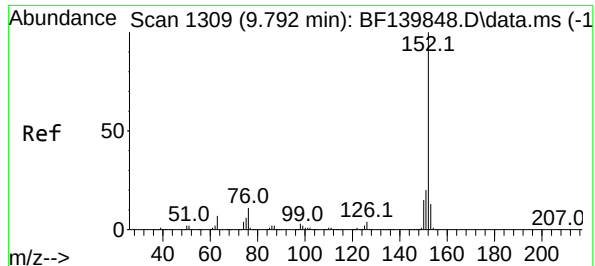
Ion Ratio Lower Upper

65 100

92 67.3 50.9 76.3

138 103.5 73.4 110.0





#49

Acenaphthylene

Concen: 39.009 ng

RT: 9.792 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF139990.D

Acq: 24 Oct 2024 09:55

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

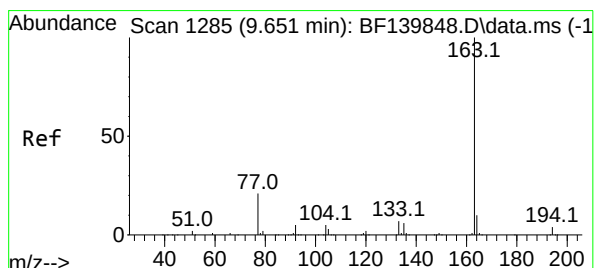
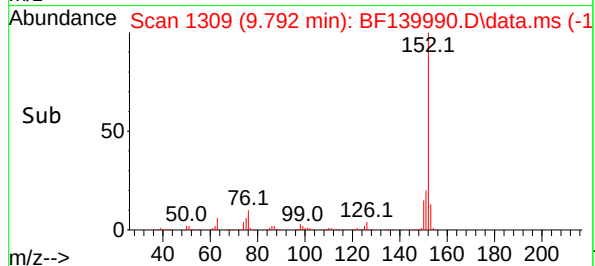
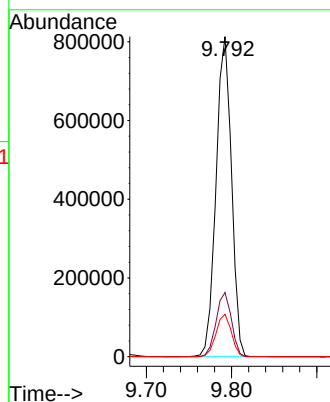
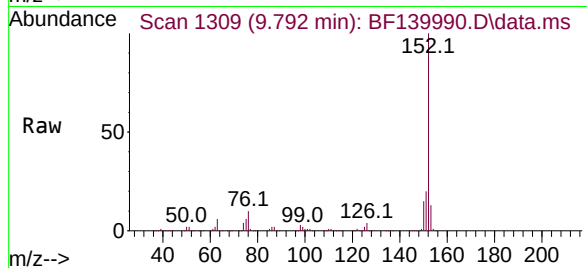
Tgt Ion:152 Resp: 1020484

Ion Ratio Lower Upper

152 100

151 20.0 15.9 23.9

153 13.3 10.7 16.1



#50

Dimethylphthalate

Concen: 38.796 ng

RT: 9.651 min Scan# 1285

Delta R.T. 0.000 min

Lab File: BF139990.D

Acq: 24 Oct 2024 09:55

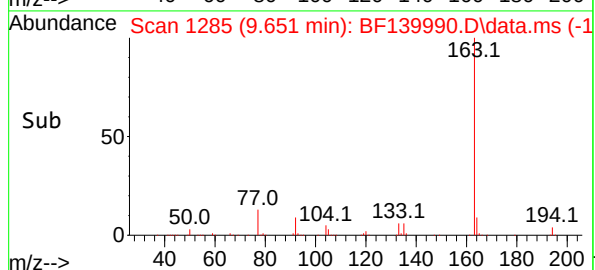
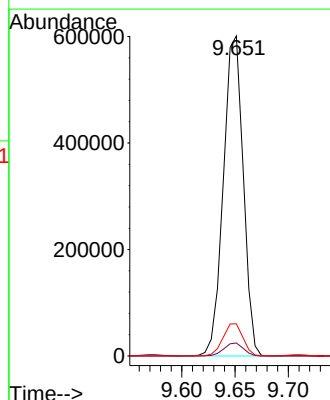
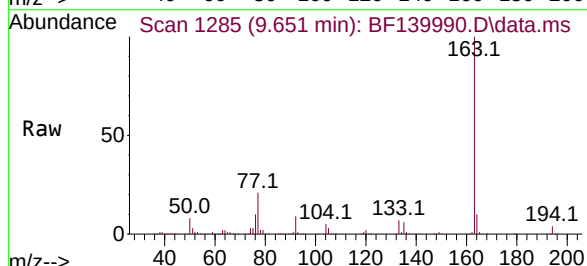
Tgt Ion:163 Resp: 779891

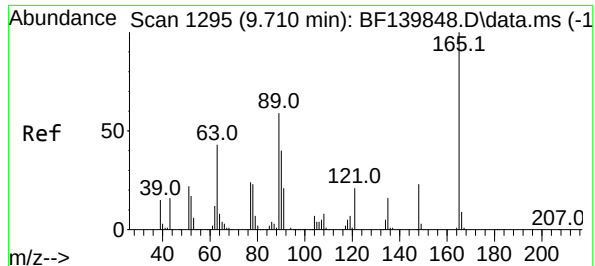
Ion Ratio Lower Upper

163 100

194 4.0 3.4 5.0

164 10.1 8.2 12.2





#51

2,6-Dinitrotoluene

Concen: 42.481 ng

RT: 9.710 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF139990.D

Acq: 24 Oct 2024 09:55

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

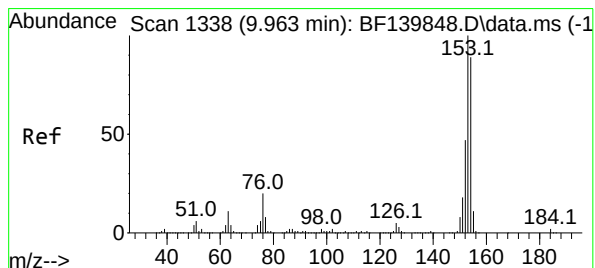
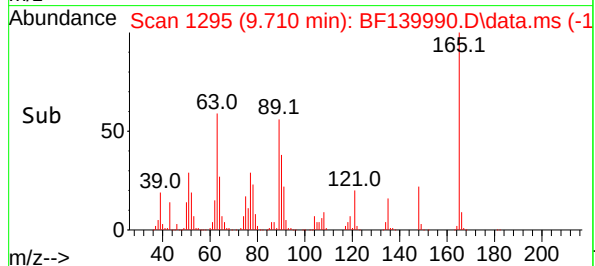
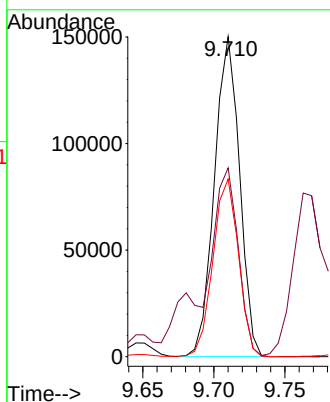
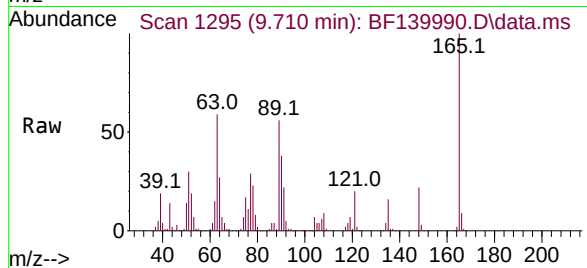
Tgt Ion:165 Resp: 184898

Ion Ratio Lower Upper

165 100

63 59.0 50.6 75.8

89 55.5 47.5 71.3



#52

Acenaphthene

Concen: 40.099 ng

RT: 9.963 min Scan# 1338

Delta R.T. 0.000 min

Lab File: BF139990.D

Acq: 24 Oct 2024 09:55

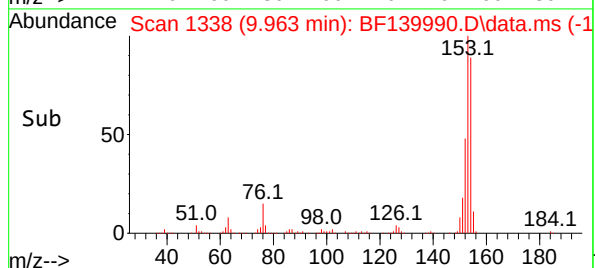
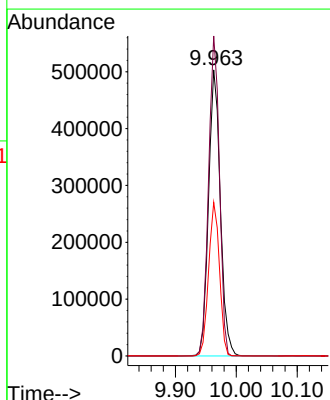
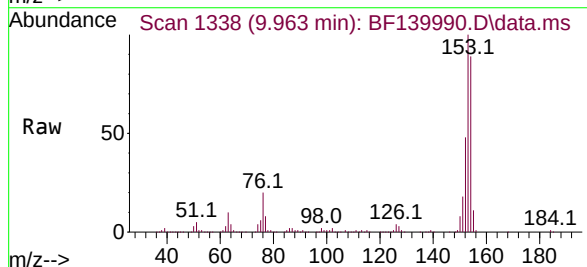
Tgt Ion:154 Resp: 678587

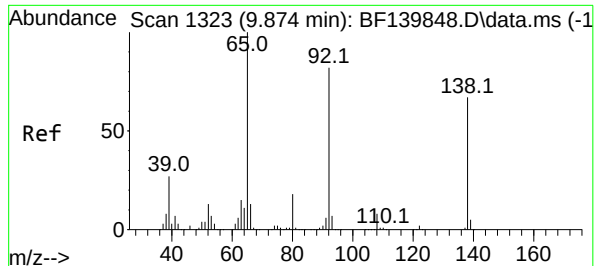
Ion Ratio Lower Upper

154 100

153 111.8 89.8 134.6

152 53.7 42.4 63.6





#53

3-Nitroaniline

Concen: 40.785 ng

RT: 9.875 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF139990.D

Acq: 24 Oct 2024 09:55

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

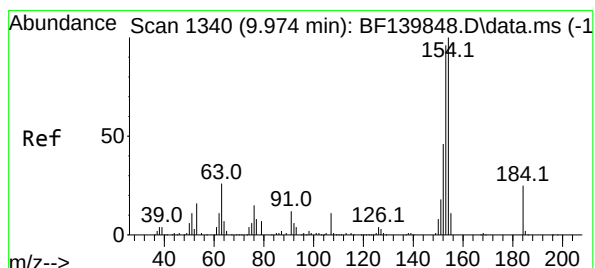
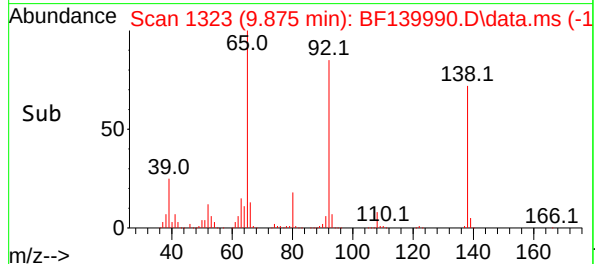
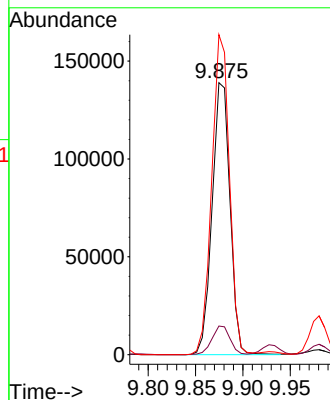
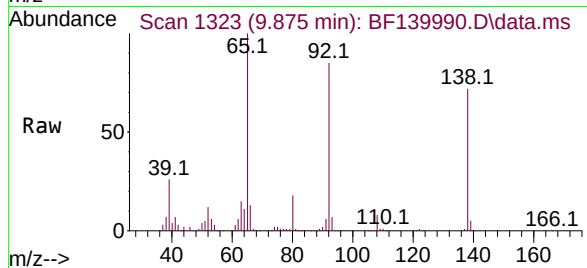
Tgt Ion:138 Resp: 183065

Ion Ratio Lower Upper

138 100

108 10.5 10.2 15.2

92 117.6 98.3 147.5



#54

2,4-Dinitrophenol

Concen: 55.091 ng

RT: 9.981 min Scan# 1341

Delta R.T. 0.007 min

Lab File: BF139990.D

Acq: 24 Oct 2024 09:55

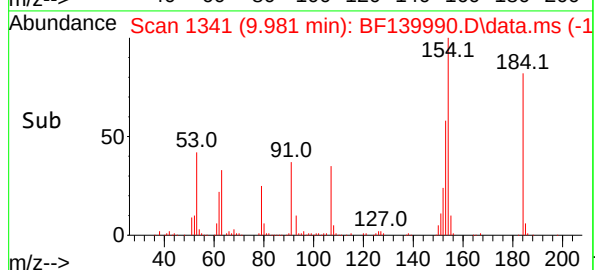
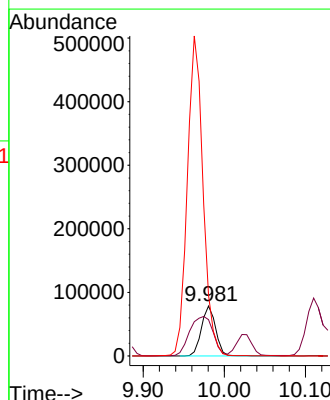
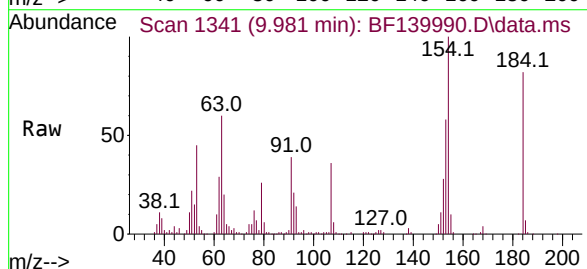
Tgt Ion:184 Resp: 95624

Ion Ratio Lower Upper

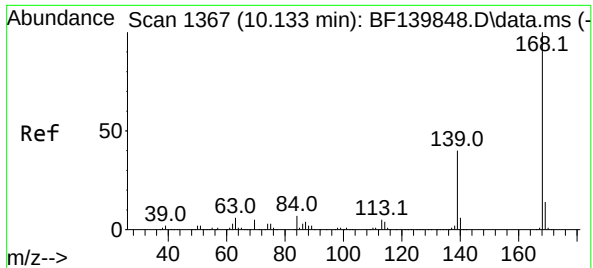
184 100

63 72.7 84.7 127.1#

154 121.9 338.2 507.2#



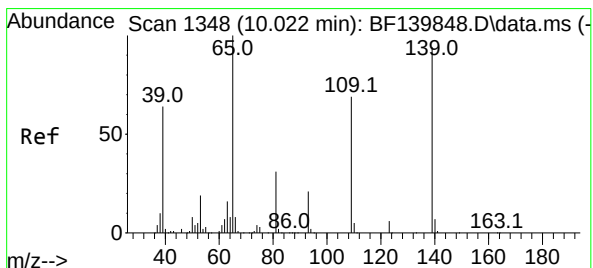
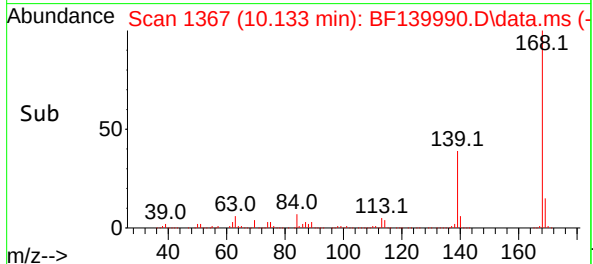
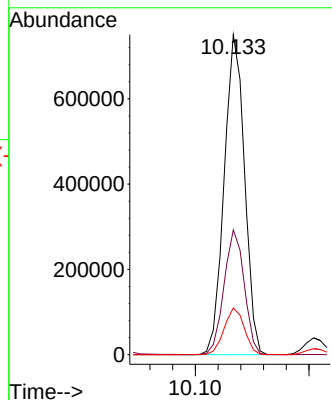
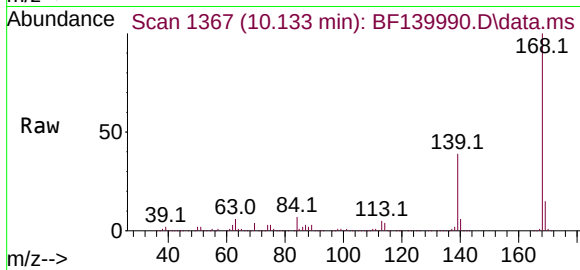




#55  
Dibenzofuran  
Concen: 38.488 ng  
RT: 10.133 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BF139990.D  
Acq: 24 Oct 2024 09:55

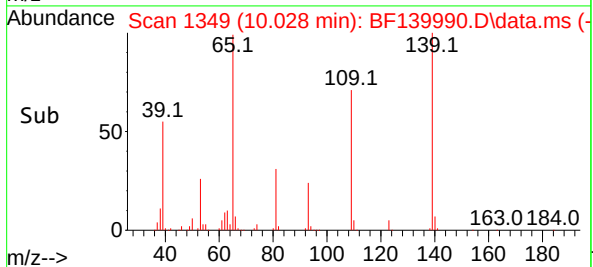
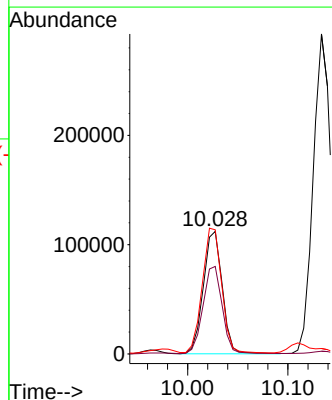
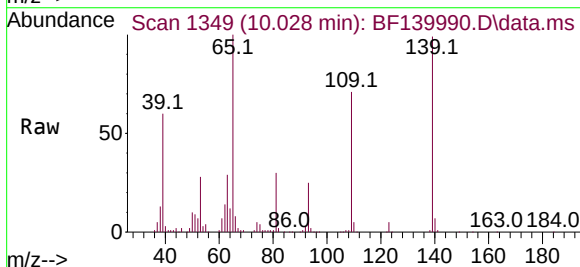
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

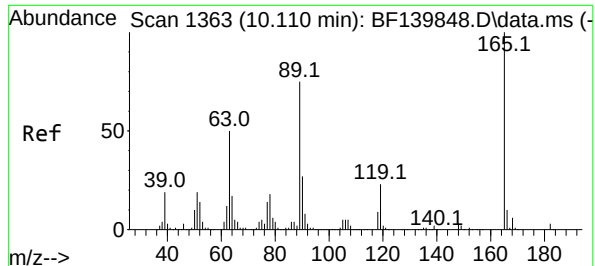
Tgt Ion:168 Resp: 934503  
Ion Ratio Lower Upper  
168 100  
139 39.0 31.8 47.6  
169 14.6 11.6 17.4



#56  
4-Nitrophenol  
Concen: 42.808 ng  
RT: 10.028 min Scan# 1349  
Delta R.T. 0.006 min  
Lab File: BF139990.D  
Acq: 24 Oct 2024 09:55

Tgt Ion:139 Resp: 147827  
Ion Ratio Lower Upper  
139 100  
109 71.5 53.6 93.6  
65 101.3 87.8 127.8

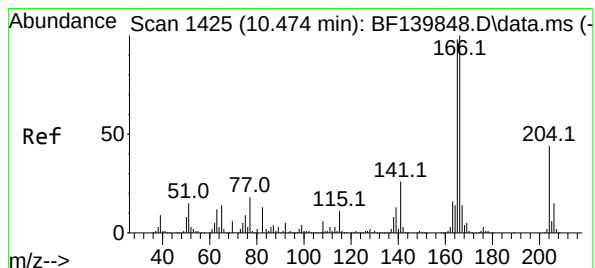
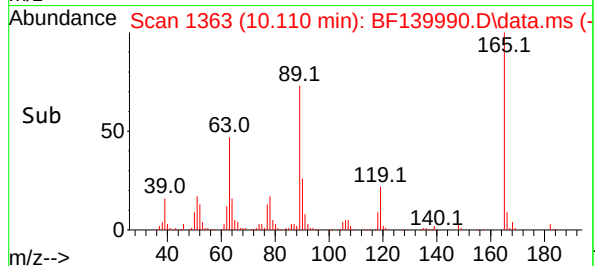
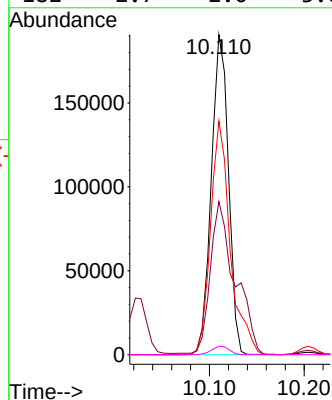
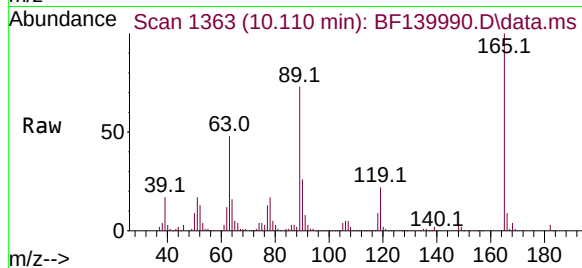




#57  
2,4-Dinitrotoluene  
Concen: 44.729 ng  
RT: 10.110 min Scan# 1363  
Delta R.T. 0.000 min  
Lab File: BF139990.D  
Acq: 24 Oct 2024 09:55

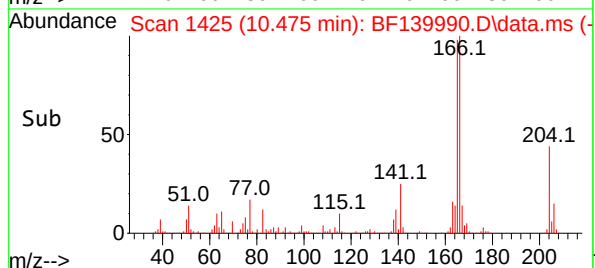
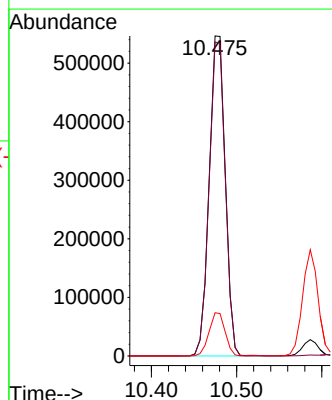
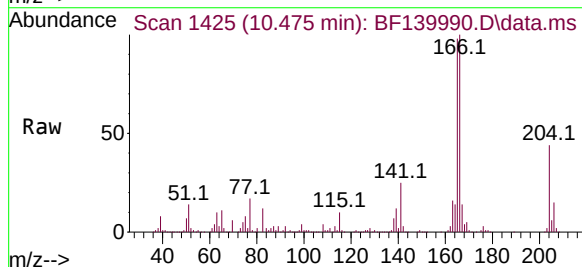
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

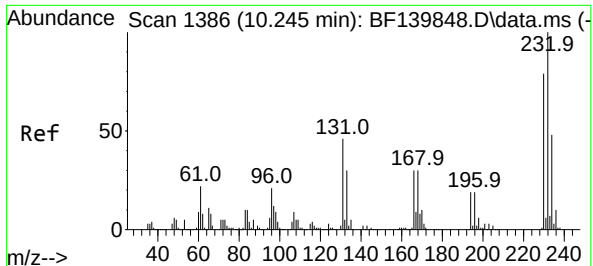
Tgt Ion:165 Resp: 239410  
Ion Ratio Lower Upper  
165 100  
63 47.8 40.1 60.1  
89 73.0 60.4 90.6  
182 2.7 2.0 3.0



#58  
Fluorene  
Concen: 38.758 ng  
RT: 10.475 min Scan# 1425  
Delta R.T. 0.000 min  
Lab File: BF139990.D  
Acq: 24 Oct 2024 09:55

Tgt Ion:166 Resp: 716749  
Ion Ratio Lower Upper  
166 100  
165 98.1 78.5 117.7  
167 13.5 10.9 16.3

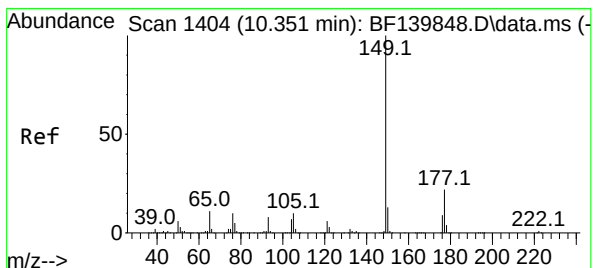
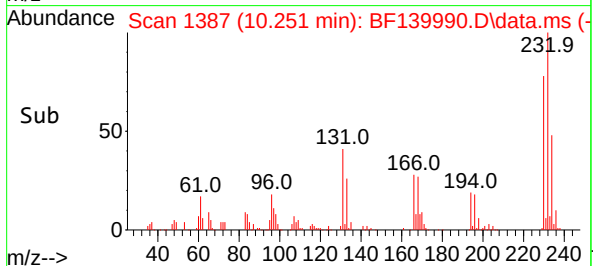
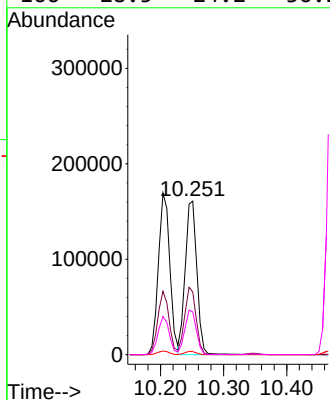
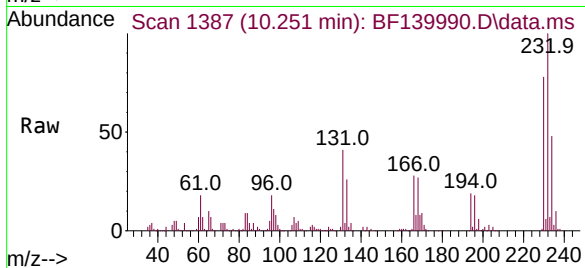




#59  
2,3,4,6-Tetrachlorophenol  
Concen: 41.690 ng  
RT: 10.251 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: BF139990.D  
Acq: 24 Oct 2024 09:55

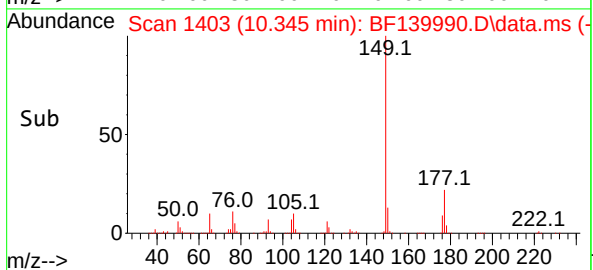
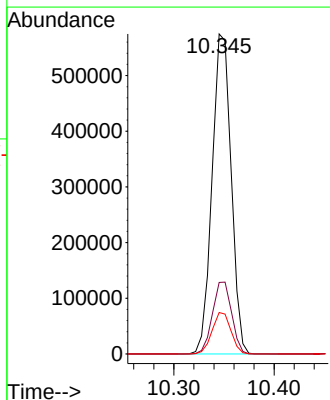
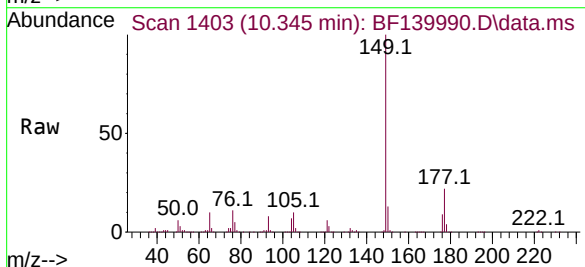
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

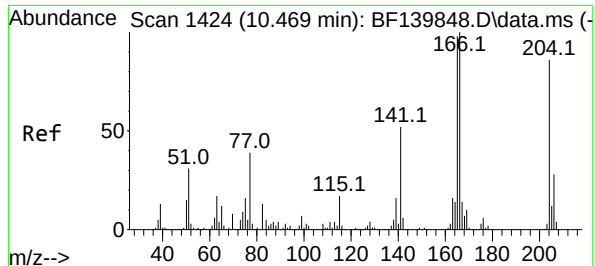
Tgt Ion:232 Resp: 207853  
Ion Ratio Lower Upper  
232 100  
131 42.7 37.0 55.6  
130 2.1 1.9 2.9  
166 28.5 24.2 36.2



#60  
Diethylphthalate  
Concen: 38.433 ng  
RT: 10.345 min Scan# 1403  
Delta R.T. -0.006 min  
Lab File: BF139990.D  
Acq: 24 Oct 2024 09:55

Tgt Ion:149 Resp: 758570  
Ion Ratio Lower Upper  
149 100  
177 22.3 17.9 26.9  
150 12.9 10.1 15.1

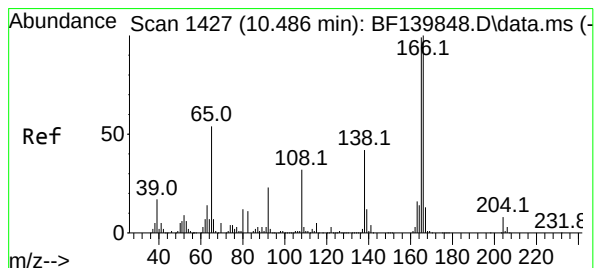
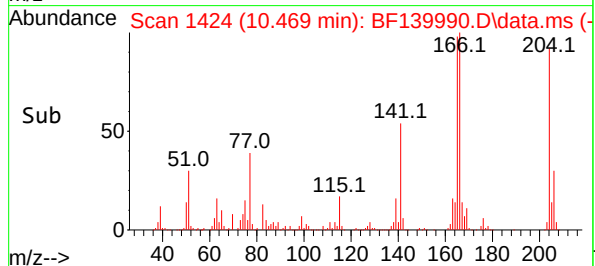
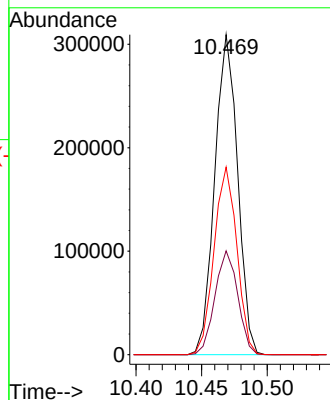
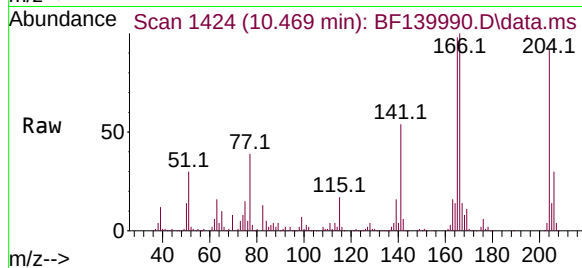




#61  
4-Chlorophenyl-phenylether  
Concen: 40.111 ng  
RT: 10.469 min Scan# 1424  
Delta R.T. 0.000 min  
Lab File: BF139990.D  
Acq: 24 Oct 2024 09:55

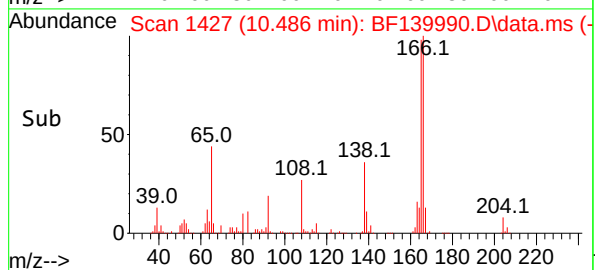
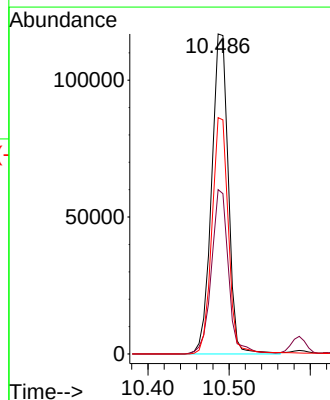
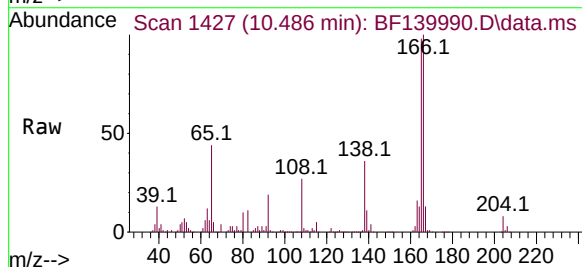
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

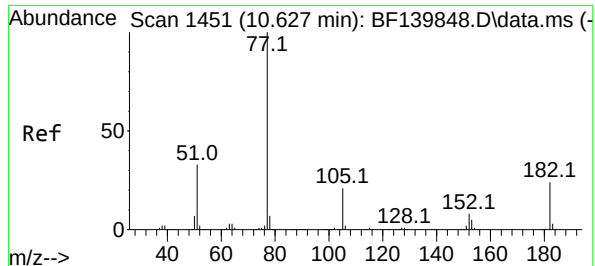
Tgt Ion:204 Resp: 374601  
Ion Ratio Lower Upper  
204 100  
206 32.4 26.3 39.5  
141 58.6 48.6 73.0



#62  
4-Nitroaniline  
Concen: 39.396 ng  
RT: 10.486 min Scan# 1427  
Delta R.T. 0.000 min  
Lab File: BF139990.D  
Acq: 24 Oct 2024 09:55

Tgt Ion:138 Resp: 167010  
Ion Ratio Lower Upper  
138 100  
92 51.4 35.7 75.7  
108 73.9 57.5 97.5





#63

Azobenzene

Concen: 37.078 ng

RT: 10.628 min Scan# 1451

Delta R.T. 0.000 min

Lab File: BF139990.D

Acq: 24 Oct 2024 09:55

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 77 Resp: 775853

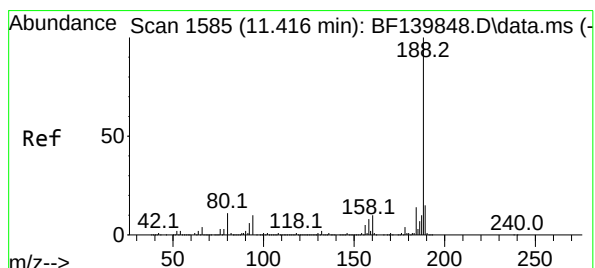
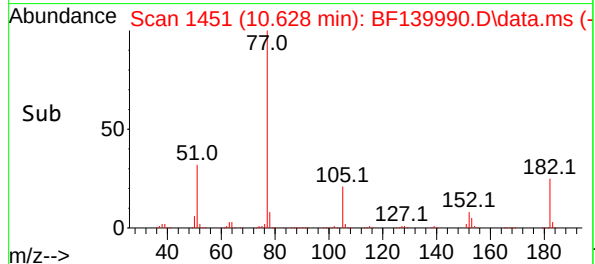
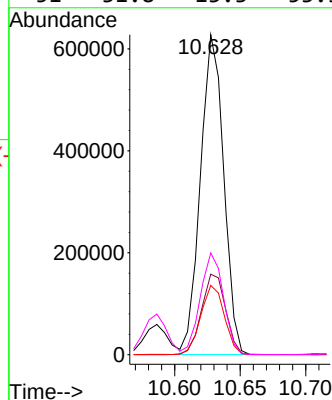
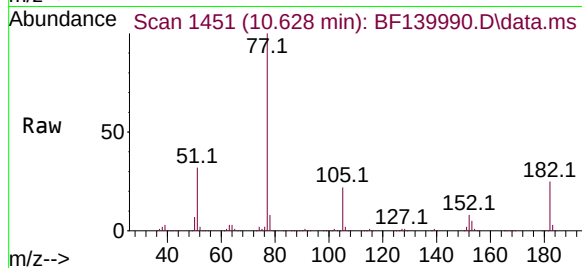
Ion Ratio Lower Upper

77 100

182 25.2 3.3 43.3

105 21.7 1.2 41.2

51 31.8 13.3 53.3



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.416 min Scan# 1585

Delta R.T. 0.000 min

Lab File: BF139990.D

Acq: 24 Oct 2024 09:55

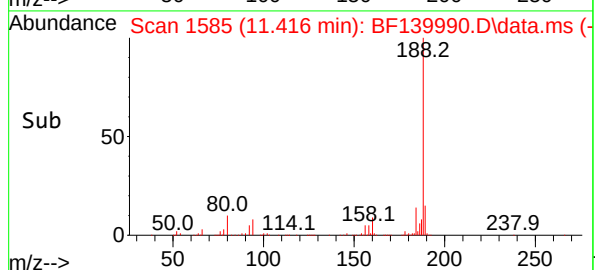
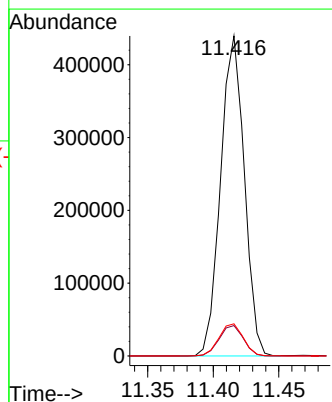
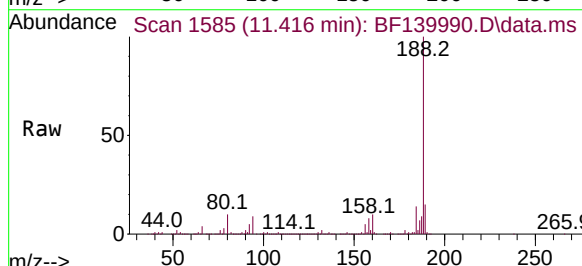
Tgt Ion:188 Resp: 552693

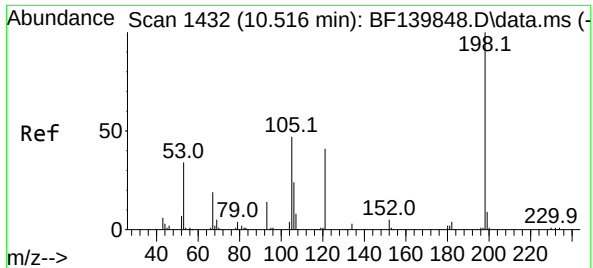
Ion Ratio Lower Upper

188 100

94 9.5 7.9 11.9

80 10.0 9.0 13.4

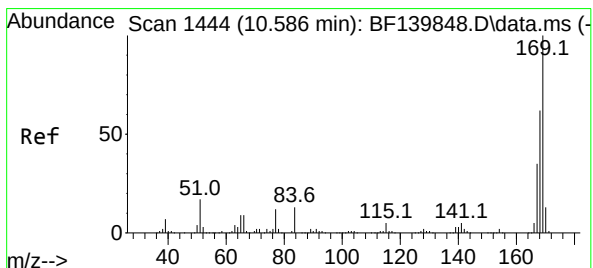
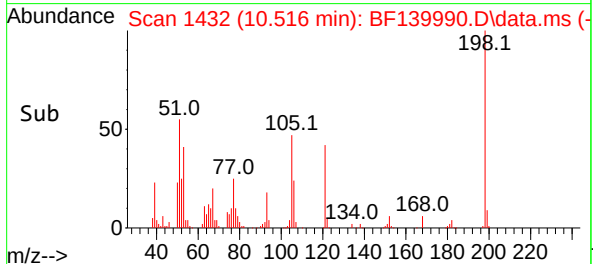
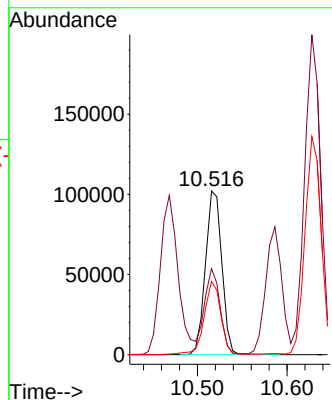
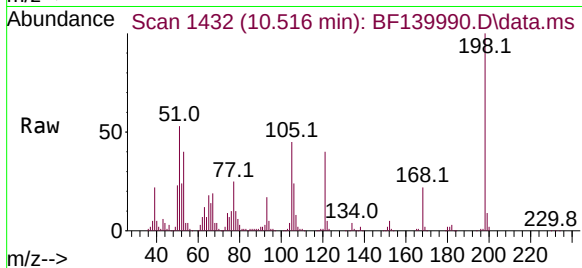




#65  
4,6-Dinitro-2-methylphenol  
Concen: 57.493 ng  
RT: 10.516 min Scan# 1432  
Delta R.T. -0.000 min  
Lab File: BF139990.D  
Acq: 24 Oct 2024 09:55

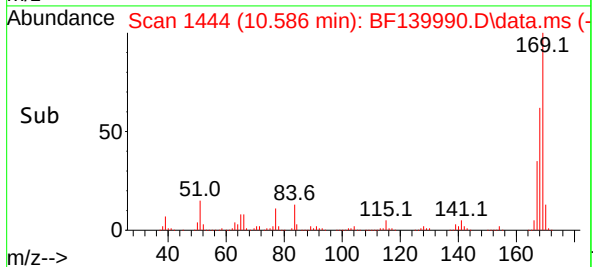
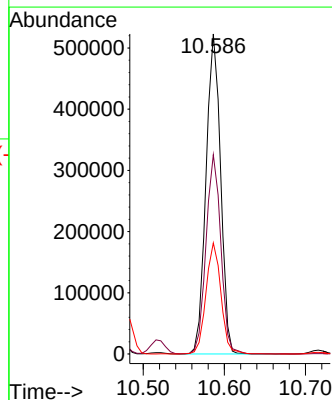
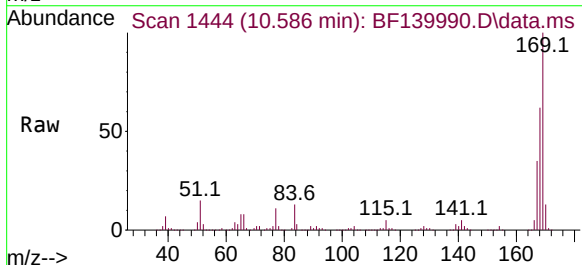
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

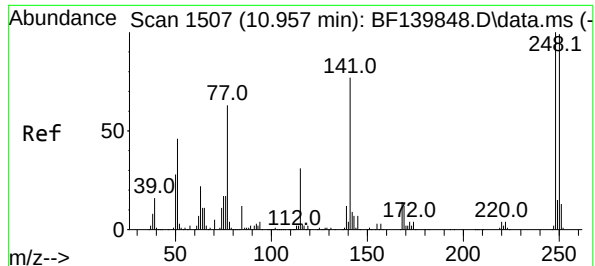
Tgt Ion:198 Resp: 129613  
Ion Ratio Lower Upper  
198 100  
51 52.6 38.2 78.2  
105 44.8 27.9 67.9



#66  
n-Nitrosodiphenylamine  
Concen: 39.266 ng  
RT: 10.586 min Scan# 1444  
Delta R.T. 0.000 min  
Lab File: BF139990.D  
Acq: 24 Oct 2024 09:55

Tgt Ion:169 Resp: 649534  
Ion Ratio Lower Upper  
169 100  
168 62.3 49.8 74.6  
167 34.7 28.0 42.0

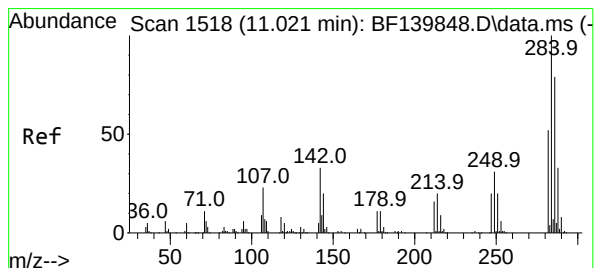
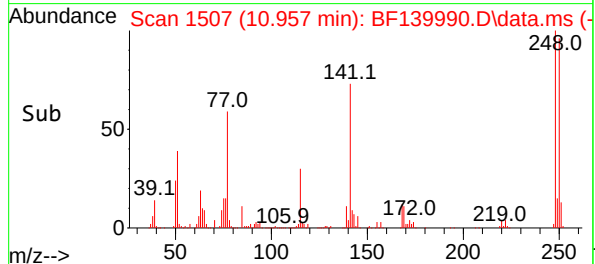
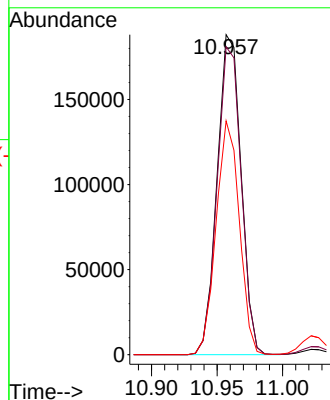
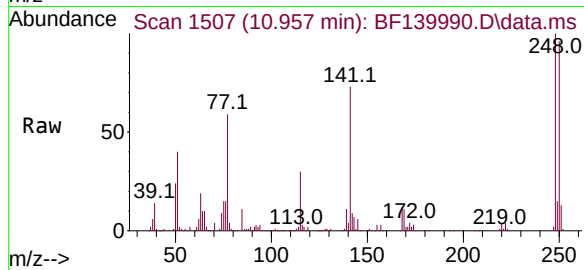




#67  
4-Bromophenyl-phenylether  
Concen: 42.017 ng  
RT: 10.957 min Scan# 1507  
Delta R.T. 0.000 min  
Lab File: BF139990.D  
Acq: 24 Oct 2024 09:55

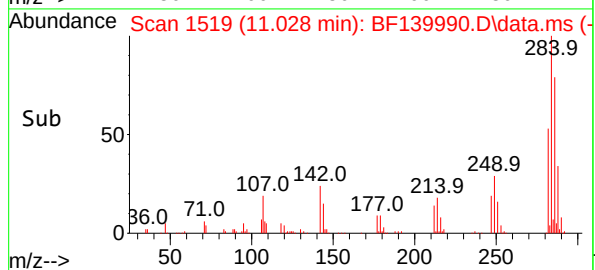
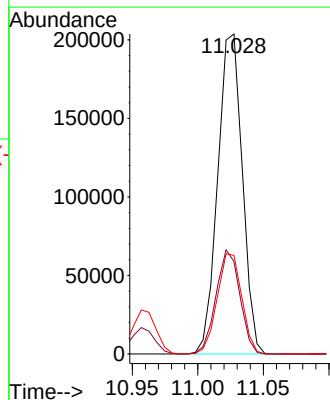
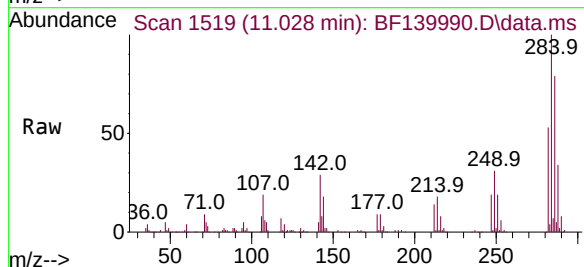
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

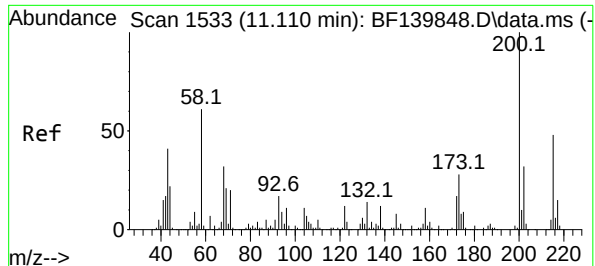
Tgt Ion:248 Resp: 239237  
Ion Ratio Lower Upper  
248 100  
250 96.2 79.0 118.6  
141 73.1 61.7 92.5



#68  
Hexachlorobenzene  
Concen: 41.441 ng  
RT: 11.028 min Scan# 1519  
Delta R.T. 0.006 min  
Lab File: BF139990.D  
Acq: 24 Oct 2024 09:55

Tgt Ion:284 Resp: 265372  
Ion Ratio Lower Upper  
284 100  
142 28.9 26.9 40.3  
249 30.8 25.3 37.9





#69

Atrazine

Concen: 39.759 ng

RT: 11.110 min Scan# 1533

Delta R.T. 0.000 min

Lab File: BF139990.D

Acq: 24 Oct 2024 09:55

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

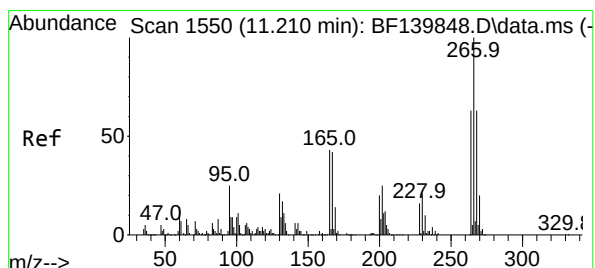
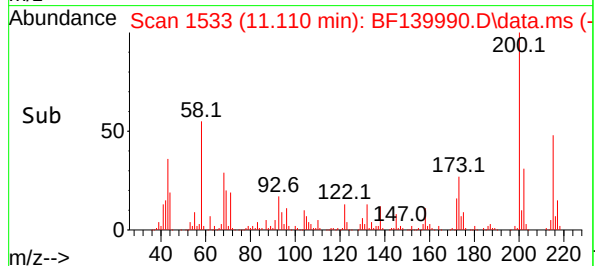
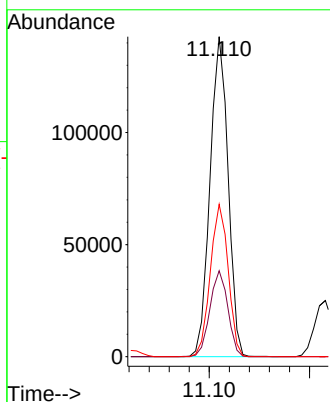
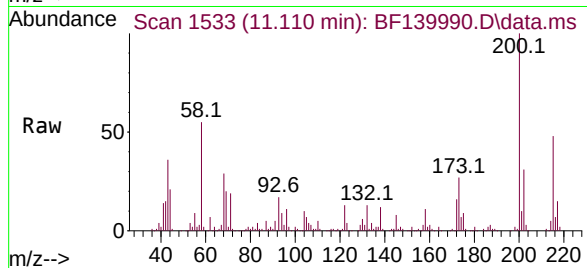
Tgt Ion:200 Resp: 178157

Ion Ratio Lower Upper

200 100

173 26.9 7.7 47.7

215 47.6 27.7 67.7



#70

Pentachlorophenol

Concen: 46.531 ng

RT: 11.216 min Scan# 1551

Delta R.T. 0.006 min

Lab File: BF139990.D

Acq: 24 Oct 2024 09:55

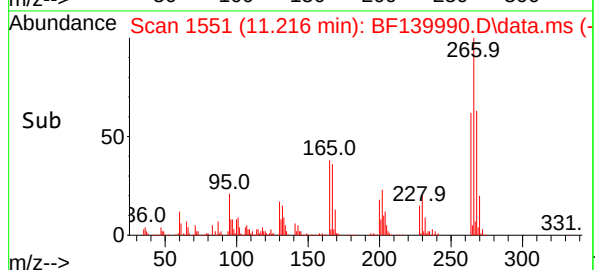
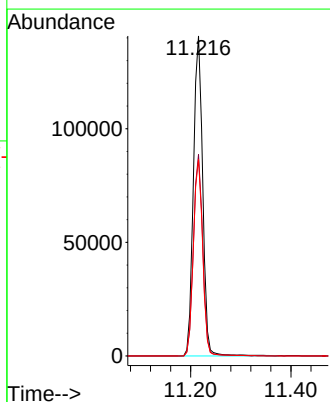
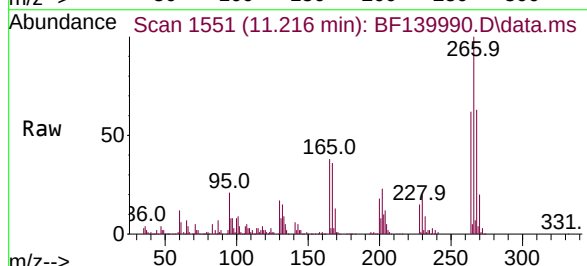
Tgt Ion:266 Resp: 180839

Ion Ratio Lower Upper

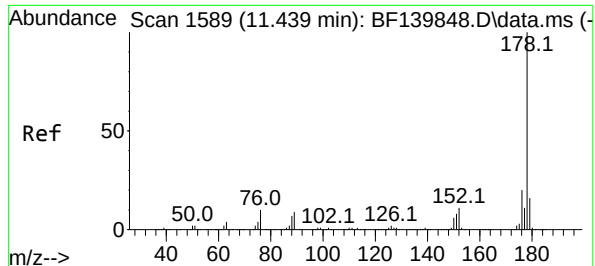
266 100

268 63.0 50.4 75.6

264 61.6 50.6 75.8







#71

Phenanthrene

Concen: 38.829 ng

RT: 11.439 min Scan# 1589

Delta R.T. 0.000 min

Lab File: BF139990.D

Acq: 24 Oct 2024 09:55

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

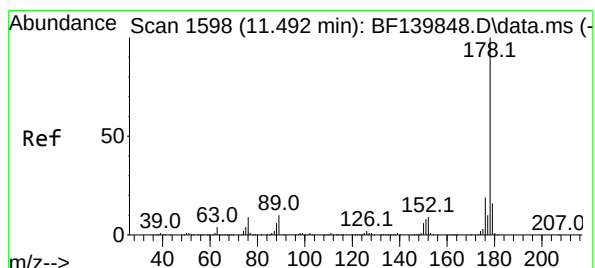
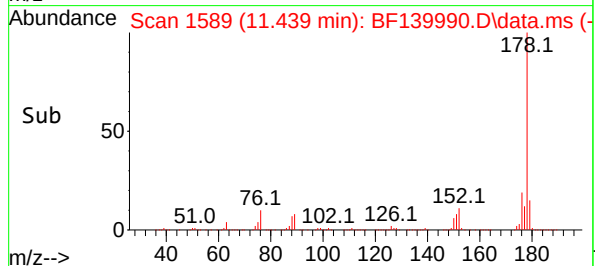
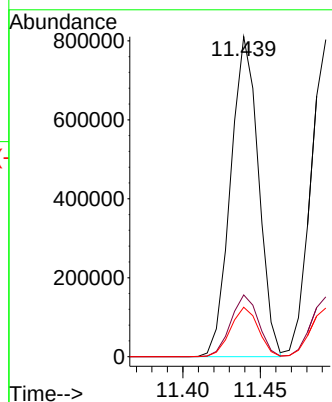
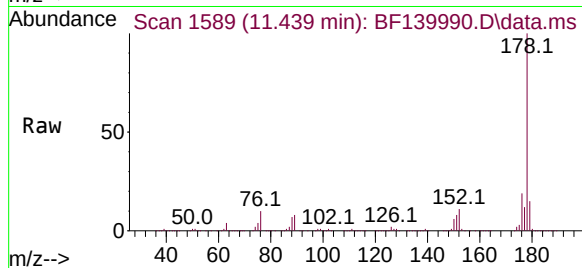
Tgt Ion:178 Resp: 1013712

Ion Ratio Lower Upper

178 100

176 19.3 15.8 23.6

179 15.5 12.6 18.8



#72

Anthracene

Concen: 39.385 ng

RT: 11.492 min Scan# 1598

Delta R.T. 0.000 min

Lab File: BF139990.D

Acq: 24 Oct 2024 09:55

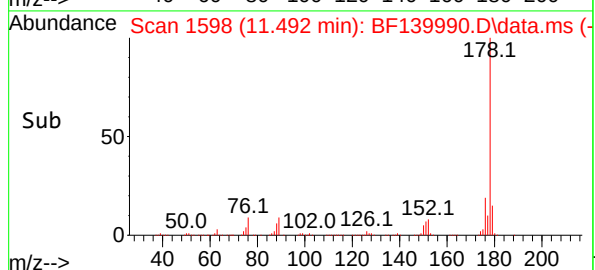
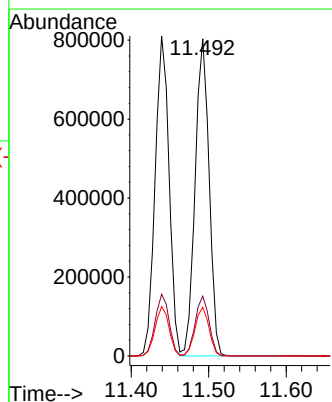
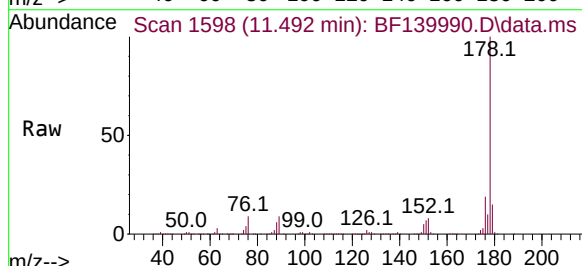
Tgt Ion:178 Resp: 1003224

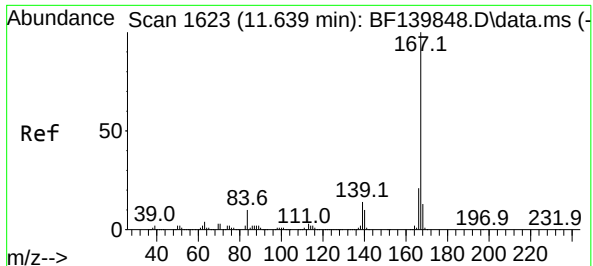
Ion Ratio Lower Upper

178 100

176 18.9 15.3 22.9

179 15.4 12.4 18.6





#73

Carbazole

Concen: 37.439 ng

RT: 11.645 min Scan# 1623

Delta R.T. 0.006 min

Lab File: BF139990.D

Acq: 24 Oct 2024 09:55

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

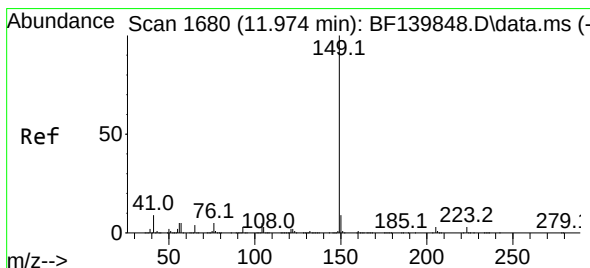
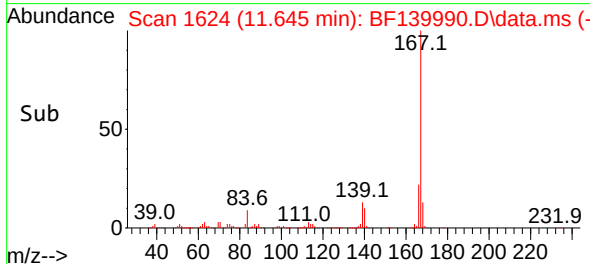
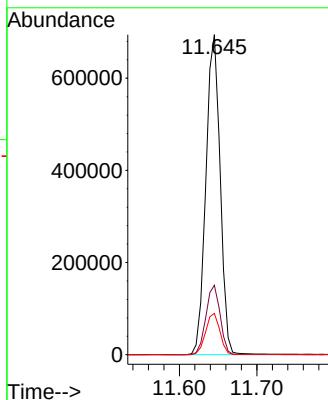
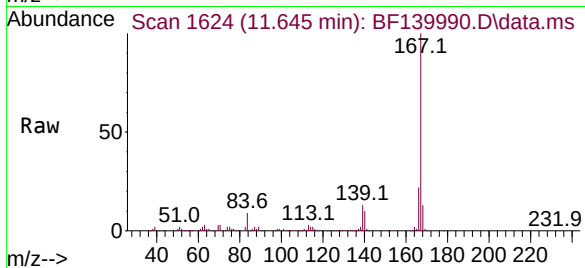
Tgt Ion:167 Resp: 886910

Ion Ratio Lower Upper

167 100

166 21.7 17.0 25.6

139 12.9 10.8 16.2



#74

Di-n-butylphthalate

Concen: 38.284 ng

RT: 11.975 min Scan# 1680

Delta R.T. 0.000 min

Lab File: BF139990.D

Acq: 24 Oct 2024 09:55

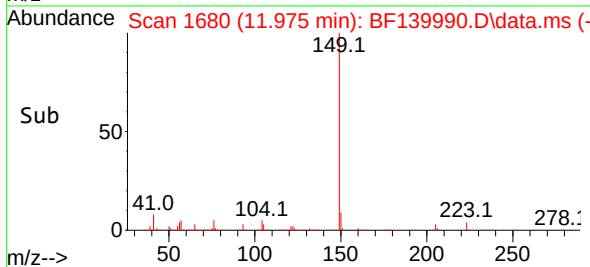
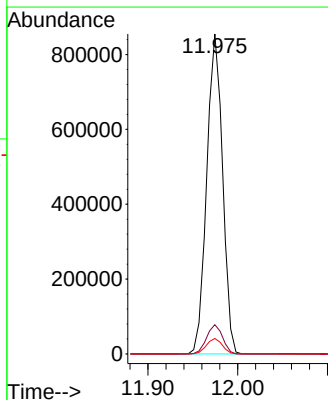
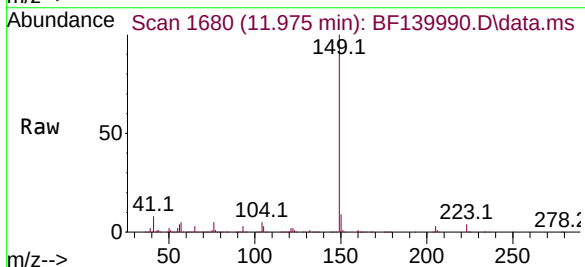
Tgt Ion:149 Resp: 1047818

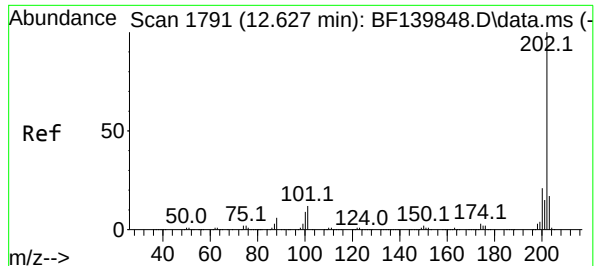
Ion Ratio Lower Upper

149 100

150 9.2 7.5 11.3

104 4.9 4.1 6.1

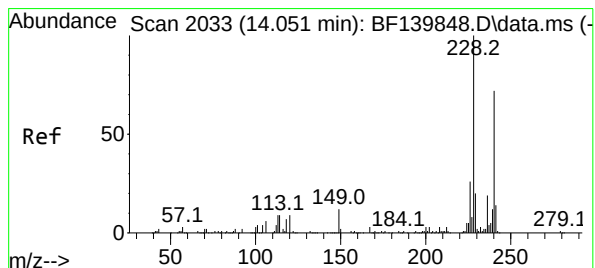
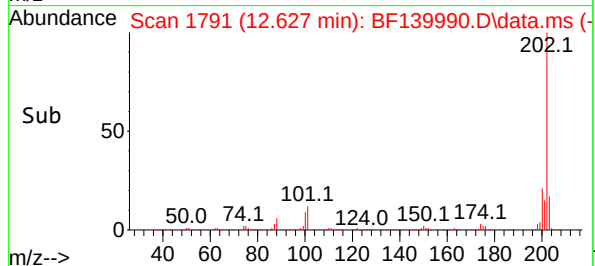
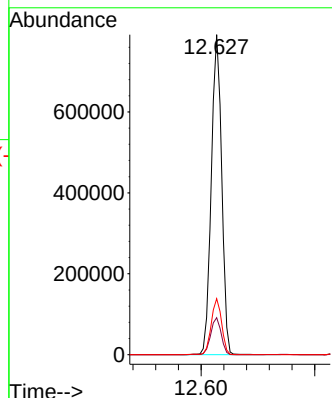
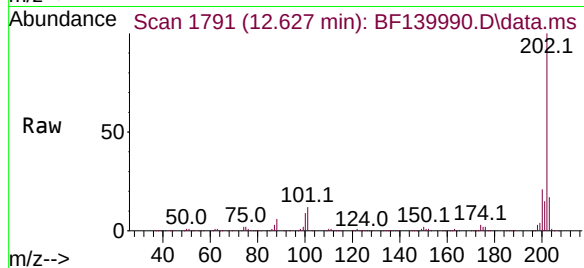




#75  
Fluoranthene  
Concen: 37.814 ng  
RT: 12.627 min Scan# 1791  
Delta R.T. 0.000 min  
Lab File: BF139990.D  
Acq: 24 Oct 2024 09:55

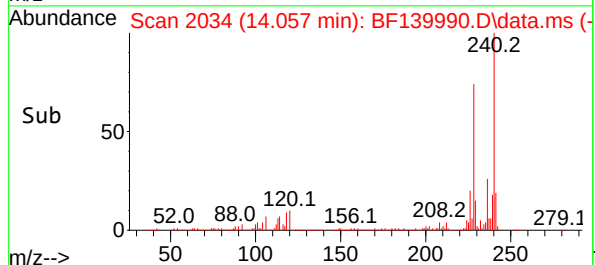
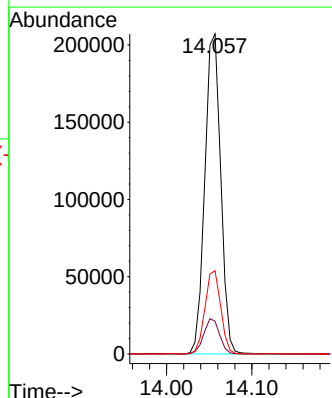
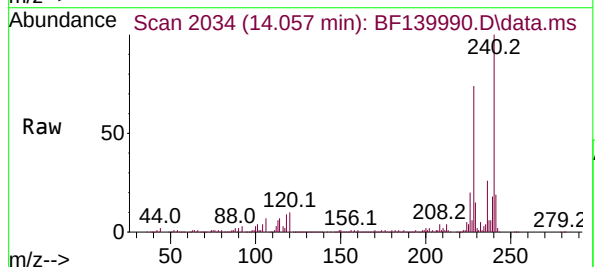
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

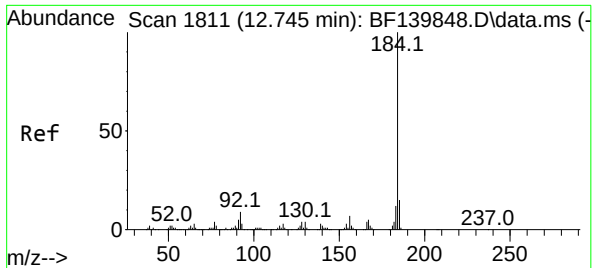
Tgt Ion:202 Resp: 997974  
Ion Ratio Lower Upper  
202 100  
101 11.6 0.0 31.9  
203 17.5 0.0 37.5



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.057 min Scan# 2034  
Delta R.T. 0.006 min  
Lab File: BF139990.D  
Acq: 24 Oct 2024 09:55

Tgt Ion:240 Resp: 268892  
Ion Ratio Lower Upper  
240 100  
120 10.2 9.4 14.2  
236 26.0 20.9 31.3





#77

Benzidine

Concen: 33.487 ng

RT: 12.745 min Scan# 1811

Delta R.T. 0.000 min

Lab File: BF139990.D

Acq: 24 Oct 2024 09:55

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

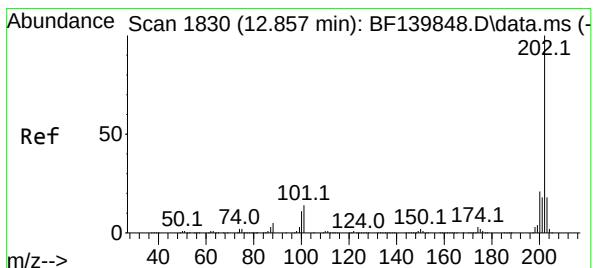
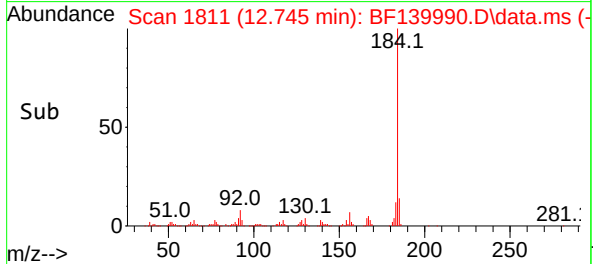
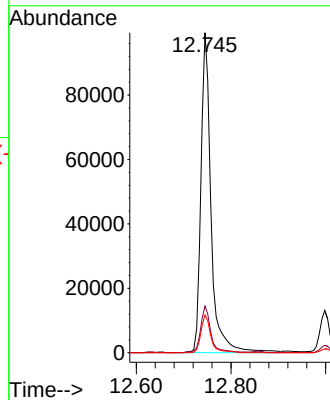
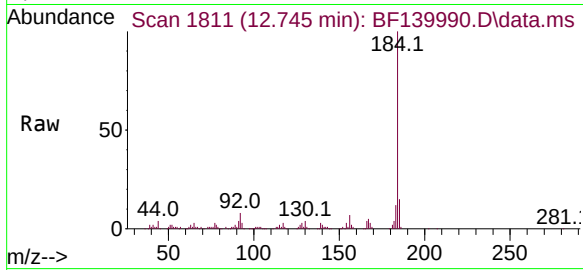
Tgt Ion:184 Resp: 148061

Ion Ratio Lower Upper

184 100

185 14.6 12.0 18.0

183 11.8 9.4 14.2



#78

Pyrene

Concen: 42.123 ng

RT: 12.857 min Scan# 1830

Delta R.T. 0.000 min

Lab File: BF139990.D

Acq: 24 Oct 2024 09:55

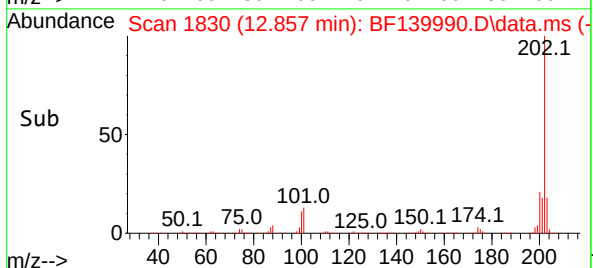
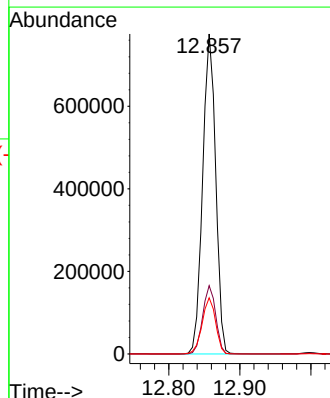
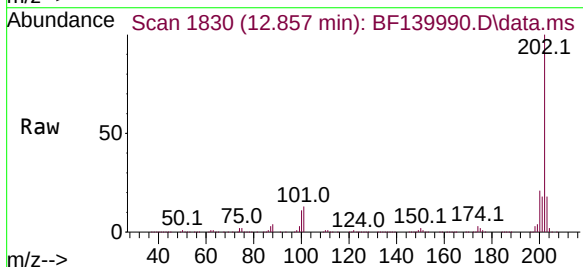
Tgt Ion:202 Resp: 991454

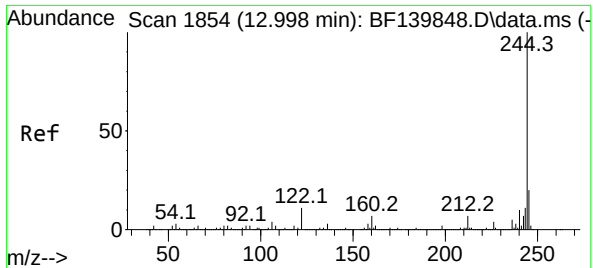
Ion Ratio Lower Upper

202 100

200 21.3 17.2 25.8

203 17.6 14.2 21.4





#79

Terphenyl-d14

Concen: 83.809 ng

RT: 12.998 min Scan# 1854

Delta R.T. 0.000 min

Lab File: BF139990.D

Acq: 24 Oct 2024 09:55

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

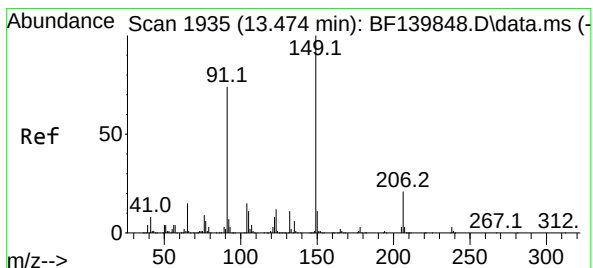
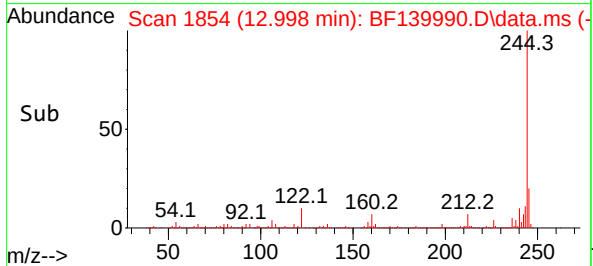
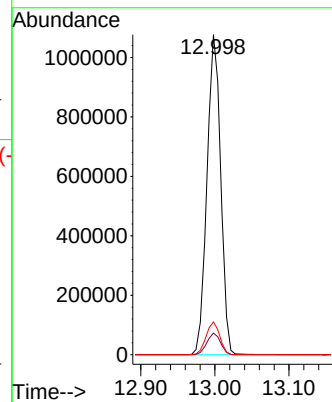
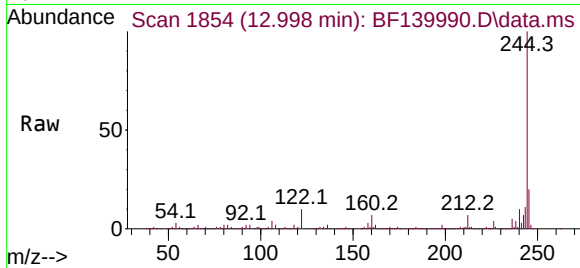
Tgt Ion:244 Resp: 1382993

Ion Ratio Lower Upper

244 100

212 6.8 5.7 8.5

122 10.3 8.6 13.0



#80

Butylbenzylphthalate

Concen: 40.861 ng

RT: 13.474 min Scan# 1935

Delta R.T. 0.000 min

Lab File: BF139990.D

Acq: 24 Oct 2024 09:55

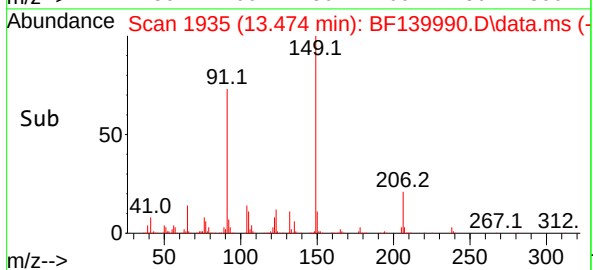
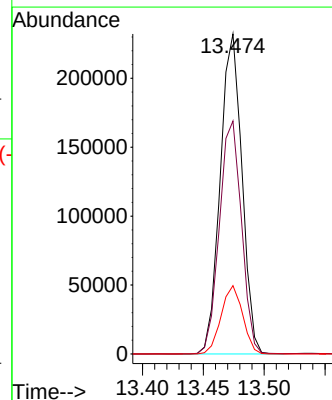
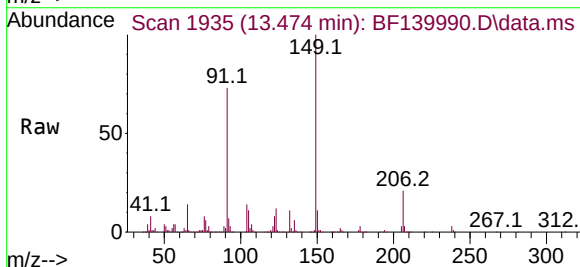
Tgt Ion:149 Resp: 288336

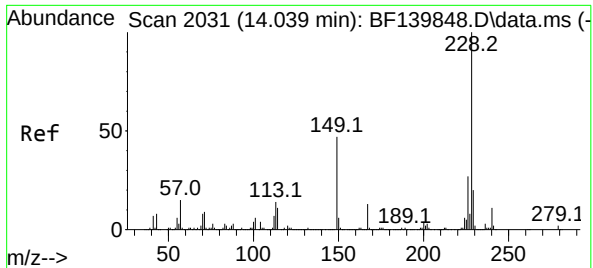
Ion Ratio Lower Upper

149 100

91 72.8 59.4 89.2

206 21.4 16.4 24.6

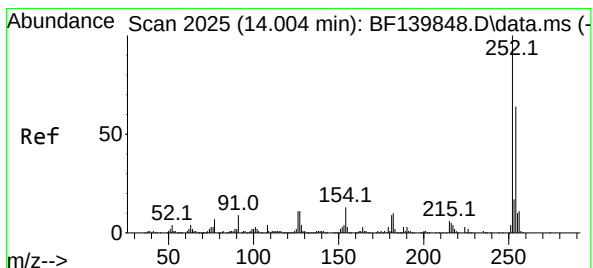
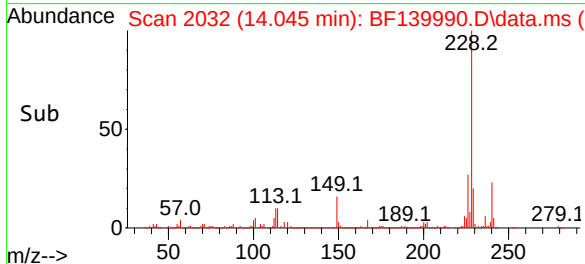
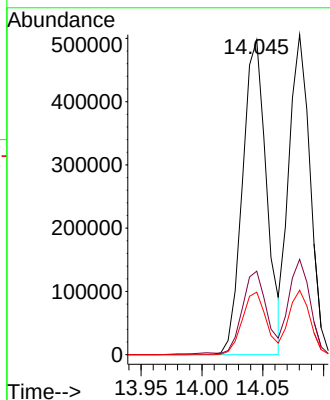
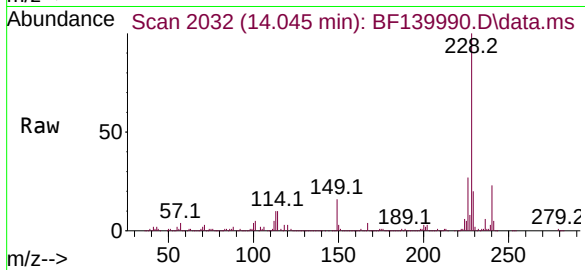




#81  
Benzo(a)anthracene  
Concen: 39.181 ng  
RT: 14.045 min Scan# 2031  
Delta R.T. 0.006 min  
Lab File: BF139990.D  
Acq: 24 Oct 2024 09:55

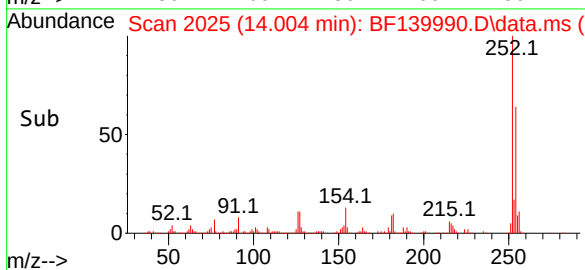
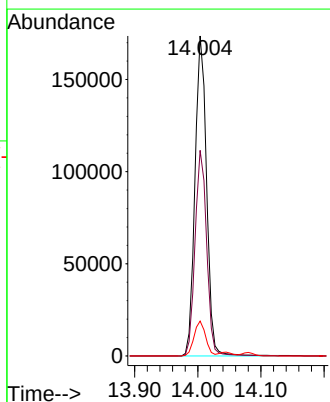
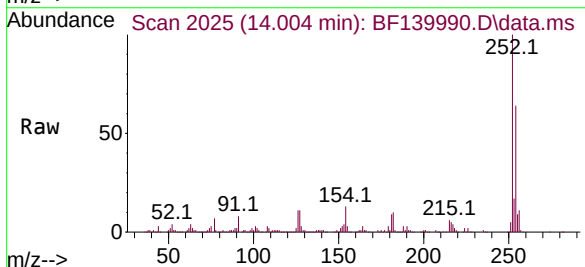
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

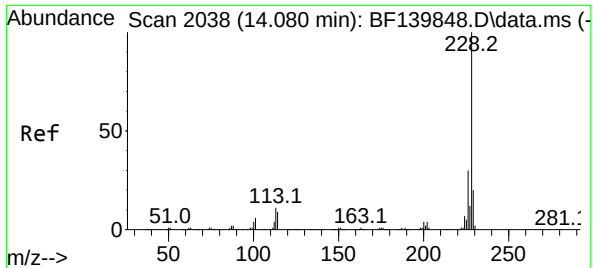
Tgt Ion:228 Resp: 685819  
Ion Ratio Lower Upper  
228 100  
226 26.6 21.6 32.4  
229 19.9 16.1 24.1



#82  
3,3'-Dichlorobenzidine  
Concen: 43.406 ng  
RT: 14.004 min Scan# 2025  
Delta R.T. 0.000 min  
Lab File: BF139990.D  
Acq: 24 Oct 2024 09:55

Tgt Ion:252 Resp: 221524  
Ion Ratio Lower Upper  
252 100  
254 64.2 50.8 76.2  
126 10.9 8.9 13.3

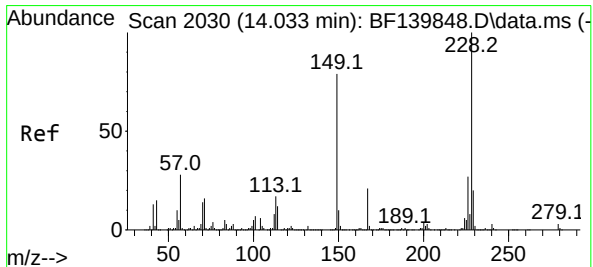
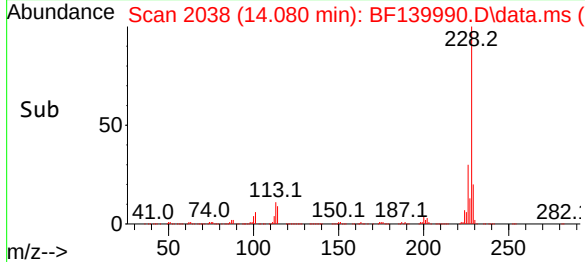
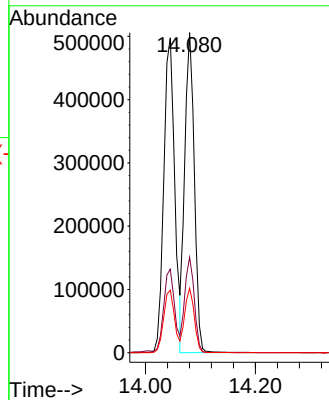
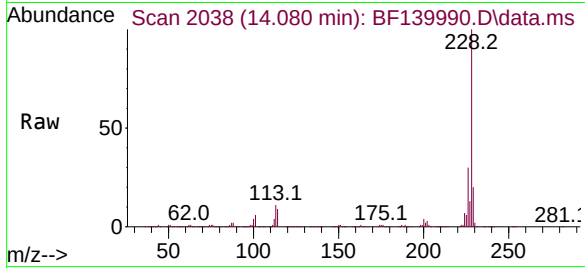




#83  
Chrysene  
Concen: 38.191 ng  
RT: 14.080 min Scan# 2038  
Delta R.T. 0.000 min  
Lab File: BF139990.D  
Acq: 24 Oct 2024 09:55

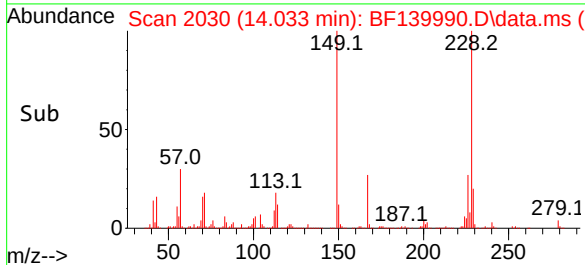
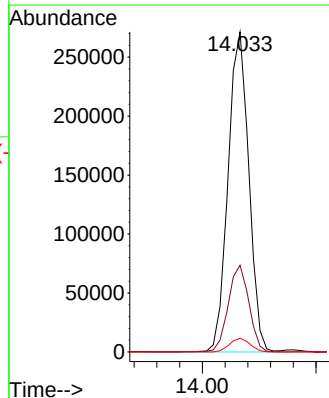
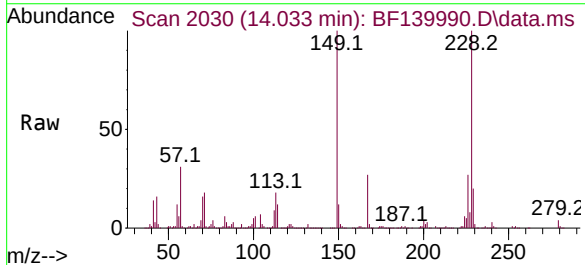
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

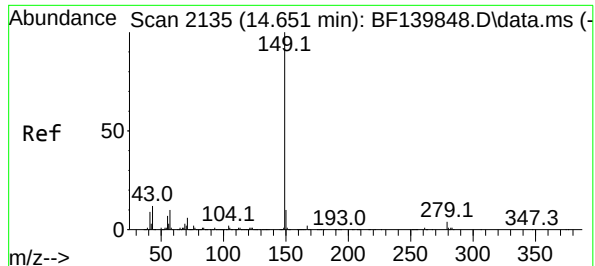
Tgt Ion:228 Resp: 612931  
Ion Ratio Lower Upper  
228 100  
226 29.8 24.1 36.1  
229 20.2 15.8 23.6



#84  
Bis(2-ethylhexyl)phthalate  
Concen: 43.443 ng  
RT: 14.033 min Scan# 2030  
Delta R.T. 0.000 min  
Lab File: BF139990.D  
Acq: 24 Oct 2024 09:55

Tgt Ion:149 Resp: 343936  
Ion Ratio Lower Upper  
149 100  
167 27.1 21.4 32.0  
279 4.3 3.0 4.4

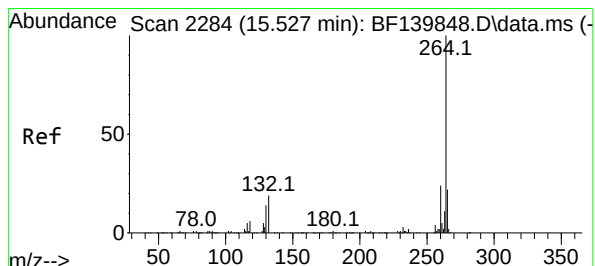
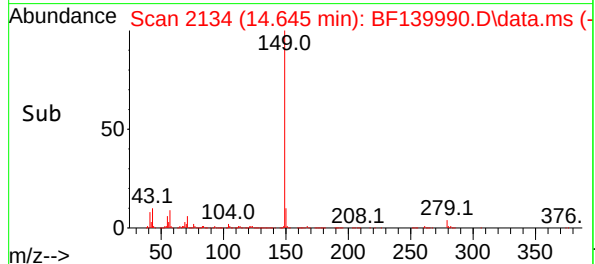
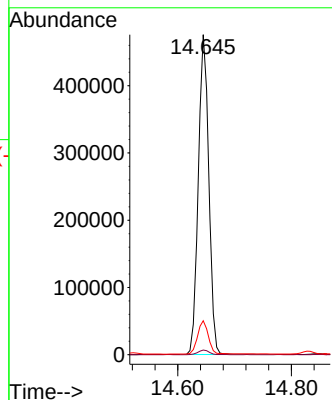
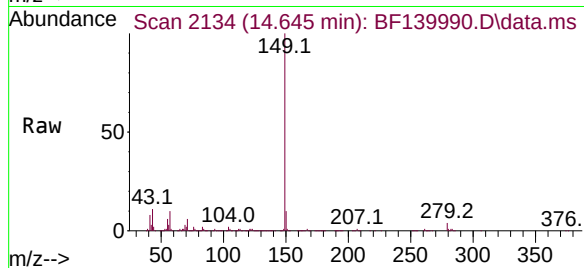




#85  
Di-n-octyl phthalate  
Concen: 42.497 ng  
RT: 14.645 min Scan# 2135  
Delta R.T. -0.006 min  
Lab File: BF139990.D  
Acq: 24 Oct 2024 09:55

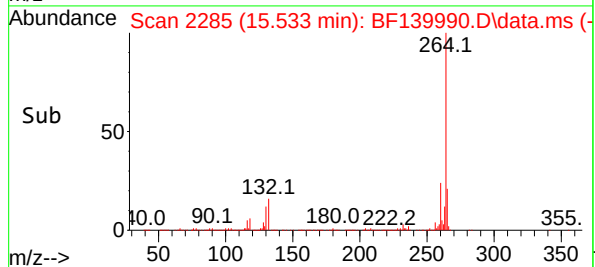
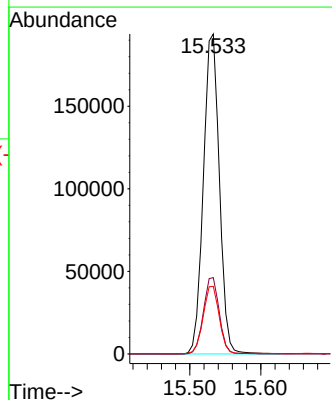
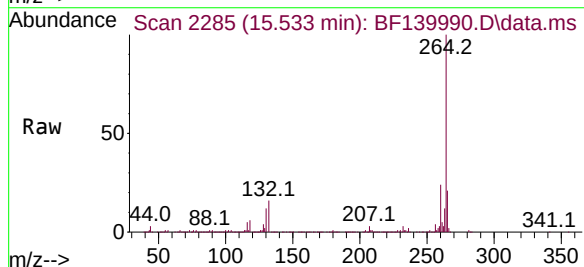
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

Tgt Ion:149 Resp: 611956  
Ion Ratio Lower Upper  
149 100  
167 1.6 1.2 1.8  
43 10.9 9.8 14.6

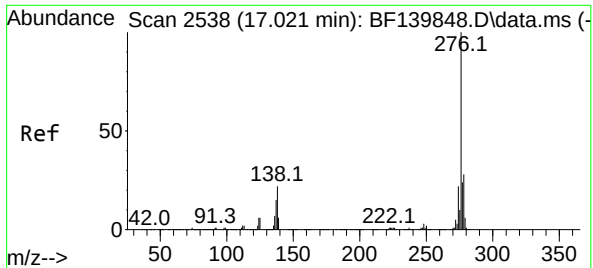


#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.533 min Scan# 2285  
Delta R.T. 0.006 min  
Lab File: BF139990.D  
Acq: 24 Oct 2024 09:55

Tgt Ion:264 Resp: 303963  
Ion Ratio Lower Upper  
264 100  
260 23.9 19.4 29.2  
265 21.1 17.4 26.0



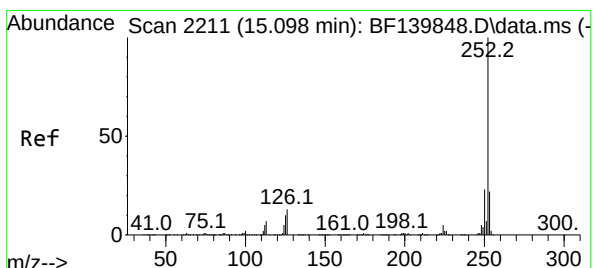
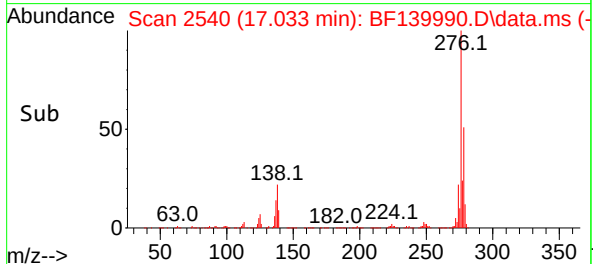
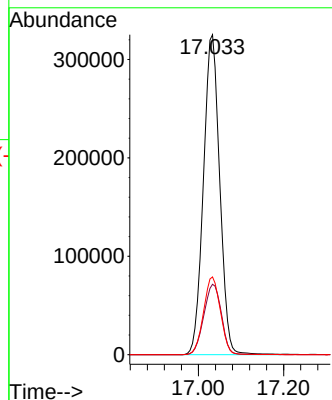
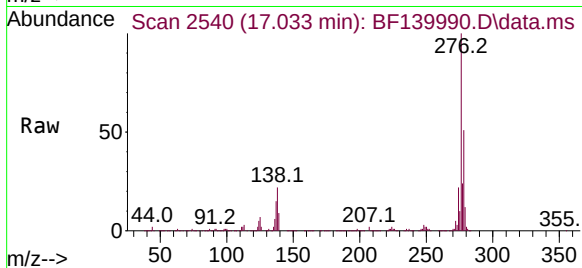




#87  
Indeno(1,2,3-cd)pyrene  
Concen: 44.181 ng  
RT: 17.033 min Scan# 21  
Delta R.T. 0.012 min  
Lab File: BF139990.D  
Acq: 24 Oct 2024 09:55

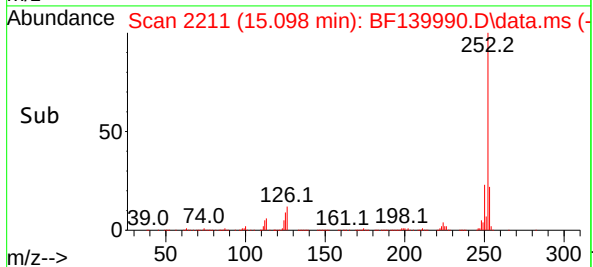
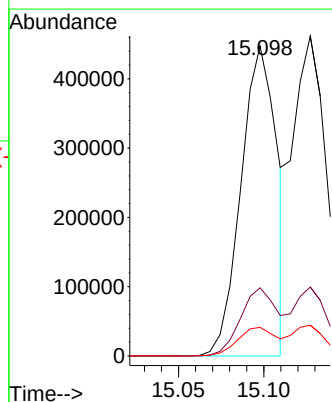
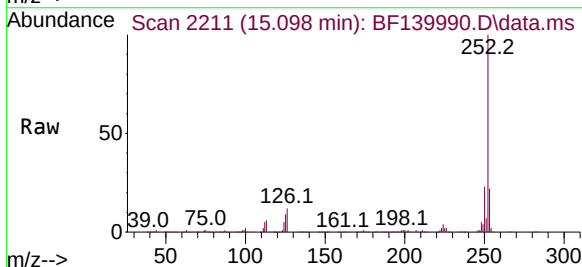
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

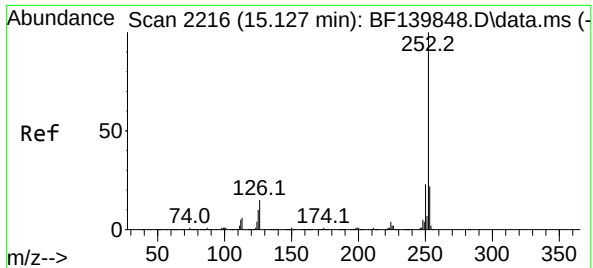
Tgt Ion:276 Resp: 863954  
Ion Ratio Lower Upper  
276 100  
138 23.9 20.4 30.6  
277 25.0 20.2 30.4



#88  
Benzo(b)fluoranthene  
Concen: 35.286 ng  
RT: 15.098 min Scan# 2211  
Delta R.T. 0.000 min  
Lab File: BF139990.D  
Acq: 24 Oct 2024 09:55

Tgt Ion:252 Resp: 653367  
Ion Ratio Lower Upper  
252 100  
253 22.0 17.6 26.4  
125 9.3 7.9 11.9





#89

Benzo(k)fluoranthene

Concen: 40.161 ng

RT: 15.127 min Scan# 2216

Delta R.T. 0.000 min

Lab File: BF139990.D

Acq: 24 Oct 2024 09:55

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

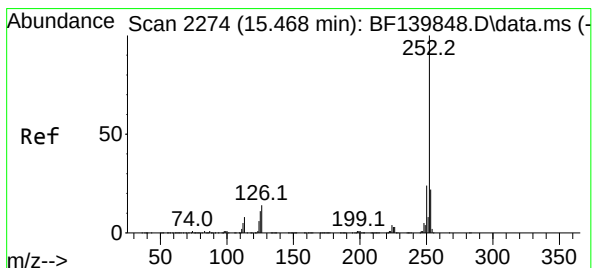
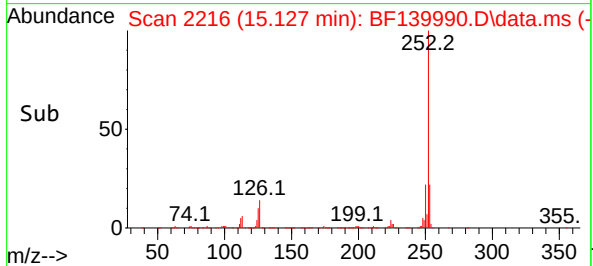
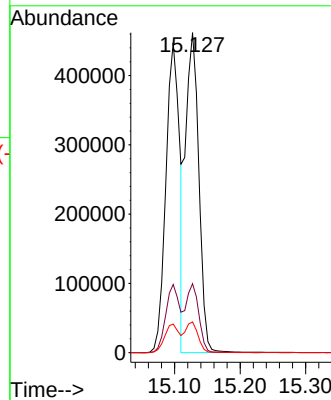
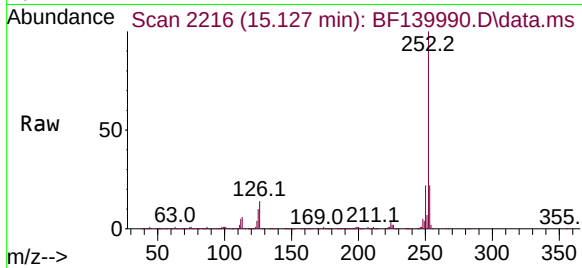
Tgt Ion:252 Resp: 641324

Ion Ratio Lower Upper

252 100

253 21.6 17.6 26.4

125 9.6 7.9 11.9



#90

Benzo(a)pyrene

Concen: 39.654 ng

RT: 15.468 min Scan# 2274

Delta R.T. 0.000 min

Lab File: BF139990.D

Acq: 24 Oct 2024 09:55

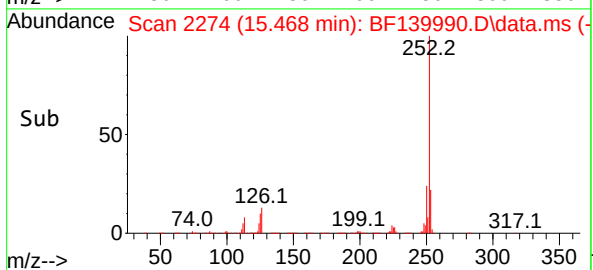
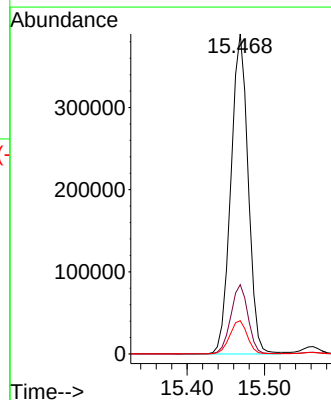
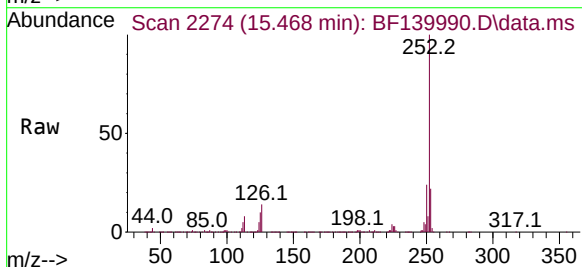
Tgt Ion:252 Resp: 604156

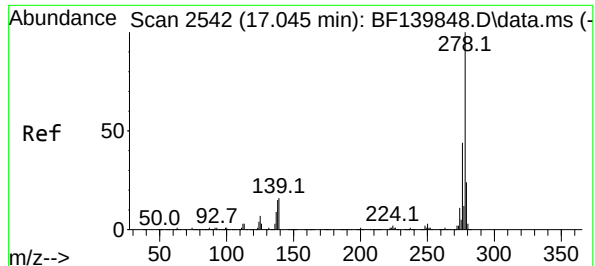
Ion Ratio Lower Upper

252 100

253 21.7 17.3 25.9

125 10.4 8.7 13.1





#91

Dibenzo(a,h)anthracene

Concen: 44.037 ng

RT: 17.051 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF139990.D

Acq: 24 Oct 2024 09:55

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

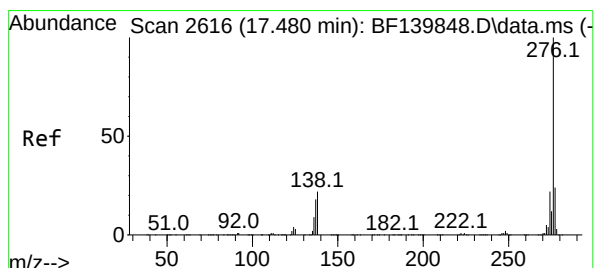
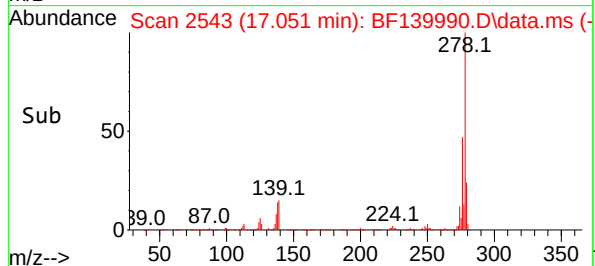
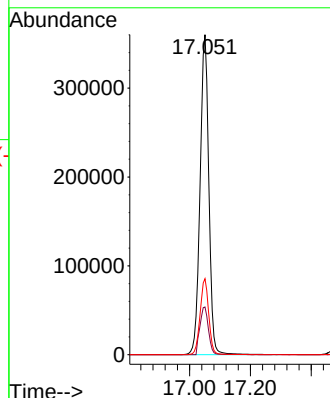
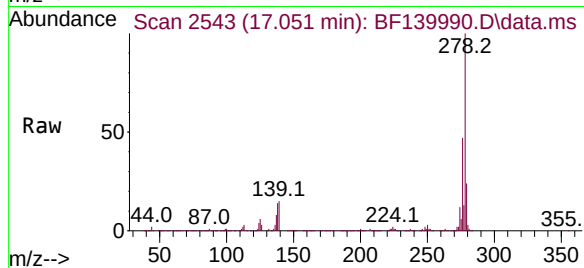
Tgt Ion:278 Resp: 718383

Ion Ratio Lower Upper

278 100

139 14.9 13.1 19.7

279 23.7 19.0 28.4



#92

Benzo(g,h,i)perylene

Concen: 45.596 ng

RT: 17.486 min Scan# 2617

Delta R.T. 0.006 min

Lab File: BF139990.D

Acq: 24 Oct 2024 09:55

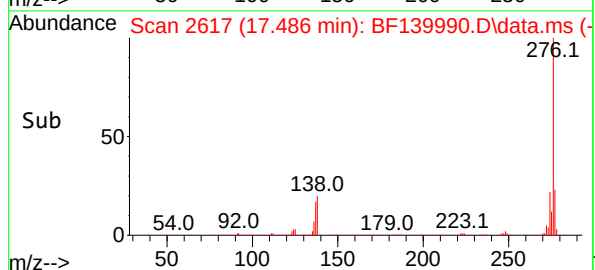
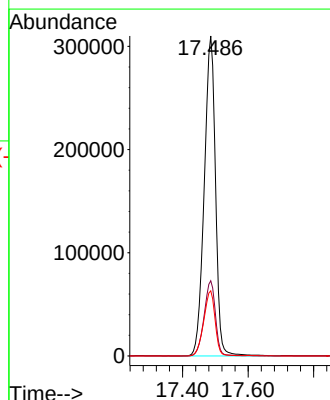
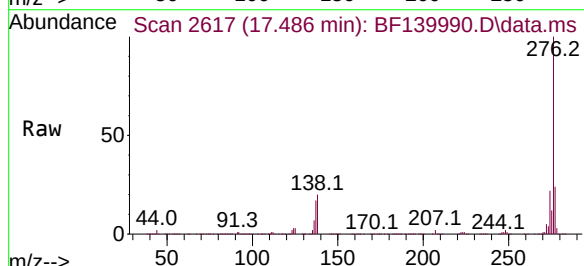
Tgt Ion:276 Resp: 742968

Ion Ratio Lower Upper

276 100

277 23.5 19.0 28.6

138 20.4 17.4 26.0



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102424\  
 Data File : BF139990.D  
 Acq On : 24 Oct 2024 09:55  
 Operator : RC/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Oct 24 11:02:09 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101824.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Oct 18 15:07:50 2024  
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 25% Max. Rel. Area : 150%

|      | Compound                    | AvgRF | CCRF  | %Dev  | Area% | Dev(min) |
|------|-----------------------------|-------|-------|-------|-------|----------|
| 1 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0   | 88    | 0.00     |
| 2    | 1,4-Dioxane                 | 0.596 | 0.552 | 7.4   | 82    | -0.02    |
| 3    | Pyridine                    | 1.476 | 1.374 | 6.9   | 81    | -0.01    |
| 4    | n-Nitrosodimethylamine      | 0.793 | 0.690 | 13.0  | 75    | -0.01    |
| 5 S  | 2-Fluorophenol              | 1.278 | 1.208 | 5.5   | 83    | 0.00     |
| 6    | Aniline                     | 1.542 | 1.405 | 8.9   | 78    | 0.00     |
| 7 S  | Phenol-d6                   | 1.655 | 1.504 | 9.1   | 80    | 0.00     |
| 8    | 2-Chlorophenol              | 1.306 | 1.240 | 5.1   | 83    | 0.00     |
| 9    | Benzaldehyde                | 0.931 | 0.831 | 10.7  | 78    | 0.00     |
| 10 C | Phenol                      | 1.706 | 1.572 | 7.9   | 81    | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.319 | 1.218 | 7.7   | 83    | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.499 | 1.455 | 2.9   | 86    | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.498 | 1.458 | 2.7   | 86    | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.398 | 1.356 | 3.0   | 87    | 0.00     |
| 15   | Benzyl Alcohol              | 1.214 | 1.126 | 7.2   | 82    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 2.248 | 1.937 | 13.8  | 76    | 0.00     |
| 17   | 2-Methylphenol              | 1.114 | 1.030 | 7.5   | 82    | 0.00     |
| 18   | Hexachloroethane            | 0.534 | 0.521 | 2.4   | 85    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 1.004 | 0.880 | 12.4  | 80    | 0.00     |
| 20   | 3+4-Methylphenols           | 1.424 | 1.299 | 8.8   | 81    | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0   | 85    | 0.00     |
| 22   | Acetophenone                | 0.490 | 0.464 | 5.3   | 82    | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.361 | 0.374 | -3.6  | 86    | 0.00     |
| 24   | Nitrobenzene                | 0.396 | 0.392 | 1.0   | 83    | 0.00     |
| 25   | Isophorone                  | 0.685 | 0.644 | 6.0   | 81    | 0.00     |
| 26 C | 2-Nitrophenol               | 0.149 | 0.177 | -18.8 | 96    | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.249 | 0.234 | 6.0   | 80    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.415 | 0.394 | 5.1   | 82    | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.283 | 0.280 | 1.1   | 84    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.314 | 0.315 | -0.3  | 85    | 0.00     |
| 31   | Naphthalene                 | 1.031 | 1.003 | 2.7   | 84    | 0.00     |
| 32   | Benzoic acid                | 0.217 | 0.248 | -14.3 | 96    | 0.00     |
| 33   | 4-Chloroaniline             | 0.352 | 0.334 | 5.1   | 81    | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.197 | 0.202 | -2.5  | 88    | 0.00     |
| 35   | Caprolactam                 | 0.090 | 0.088 | 2.2   | 81    | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 0.314 | 0.299 | 4.8   | 81    | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.632 | 0.616 | 2.5   | 85    | 0.00     |
| 38   | 1-Methylnaphthalene         | 0.620 | 0.601 | 3.1   | 84    | 0.00     |
| 39 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0   | 85    | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 0.540 | 0.551 | -2.0  | 87    | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 0.188 | 0.207 | -10.1 | 89    | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 0.187 | 0.205 | -9.6  | 93    | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 0.382 | 0.403 | -5.5  | 89    | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 0.394 | 0.395 | -0.3  | 84    | 0.00     |
| 45 S | 2-Fluorobiphenyl            | 1.210 | 1.183 | 2.2   | 87    | 0.00     |
| 46   | 1,1'-Biphenyl               | 1.392 | 1.371 | 1.5   | 85    | 0.00     |
| 47   | 2-Chloronaphthalene         | 1.121 | 1.110 | 1.0   | 85    | 0.00     |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102424\  
 Data File : BF139990.D  
 Acq On : 24 Oct 2024 09:55  
 Operator : RC/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Oct 24 11:02:09 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101824.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Oct 18 15:07:50 2024  
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 25% Max. Rel. Area : 150%

|      | Compound                   | AvgRF | CCRF  | %Dev   | Area% | Dev(min) |
|------|----------------------------|-------|-------|--------|-------|----------|
| 48   | 2-Nitroaniline             | 0.343 | 0.362 | -5.5   | 84    | 0.00     |
| 49   | Acenaphthylene             | 1.621 | 1.581 | 2.5    | 83    | 0.00     |
| 50   | Dimethylphthalate          | 1.246 | 1.208 | 3.0    | 83    | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 0.270 | 0.286 | -5.9   | 87    | 0.00     |
| 52 C | Acenaphthene               | 1.049 | 1.051 | -0.2   | 86    | 0.00     |
| 53   | 3-Nitroaniline             | 0.278 | 0.284 | -2.2   | 82    | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 0.093 | 0.148 | -59.1# | 124   | 0.00     |
| 55   | Dibenzofuran               | 1.505 | 1.448 | 3.8    | 83    | 0.00     |
| 56 P | 4-Nitrophenol              | 0.214 | 0.229 | -7.0   | 84    | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 0.332 | 0.371 | -11.7  | 88    | 0.00     |
| 58   | Fluorene                   | 1.146 | 1.110 | 3.1    | 85    | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 0.309 | 0.322 | -4.2   | 88    | 0.00     |
| 60   | Diethylphthalate           | 1.223 | 1.175 | 3.9    | 82    | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 0.579 | 0.580 | -0.2   | 87    | 0.00     |
| 62   | 4-Nitroaniline             | 0.263 | 0.259 | 1.5    | 80    | 0.00     |
| 63   | Azobenzene                 | 1.297 | 1.202 | 7.3    | 78    | 0.00     |
| 64 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0    | 83    | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 0.082 | 0.117 | -42.7# | 112   | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 0.599 | 0.588 | 1.8    | 82    | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 0.206 | 0.216 | -4.9   | 89    | 0.00     |
| 68   | Hexachlorobenzene          | 0.232 | 0.240 | -3.4   | 86    | 0.00     |
| 69   | Atrazine                   | 0.162 | 0.161 | 0.6    | 77    | 0.00     |
| 70 C | Pentachlorophenol          | 0.141 | 0.164 | -16.3  | 90    | 0.00     |
| 71   | Phenanthrene               | 0.945 | 0.917 | 3.0    | 82    | 0.00     |
| 72   | Anthracene                 | 0.922 | 0.908 | 1.5    | 83    | 0.00     |
| 73   | Carbazole                  | 0.857 | 0.802 | 6.4    | 79    | 0.00     |
| 74   | Di-n-butylphthalate        | 0.990 | 0.948 | 4.2    | 78    | 0.00     |
| 75 C | Fluoranthene               | 0.955 | 0.903 | 5.4    | 80    | 0.00     |
| 76 I | Chrysene-d12               | 1.000 | 1.000 | 0.0    | 78    | 0.00     |
| 77   | Benzydine                  | 0.329 | 0.275 | 16.4   | 59    | 0.00     |
| 78   | Pyrene                     | 1.751 | 1.844 | -5.3   | 79    | 0.00     |
| 79 S | Terphenyl-d14              | 1.227 | 1.286 | -4.8   | 80    | 0.00     |
| 80   | Butylbenzylphthalate       | 0.525 | 0.536 | -2.1   | 75    | 0.00     |
| 81   | Benzo(a)anthracene         | 1.302 | 1.275 | 2.1    | 74    | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 0.380 | 0.412 | -8.4   | 83    | 0.00     |
| 83   | Chrysene                   | 1.194 | 1.140 | 4.5    | 76    | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 0.589 | 0.640 | -8.7   | 79    | 0.00     |
| 85 c | Di-n-octyl phthalate       | 1.071 | 1.138 | -6.3   | 78    | 0.00     |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0    | 83    | 0.00     |
| 87   | Indeno(1,2,3-cd)pyrene     | 1.287 | 1.421 | -10.4  | 88    | 0.01     |
| 88   | Benzo(b)fluoranthene       | 1.218 | 1.075 | 11.7   | 75    | 0.00     |
| 89   | Benzo(k)fluoranthene       | 1.051 | 1.055 | -0.4   | 82    | 0.00     |
| 90 C | Benzo(a)pyrene             | 1.002 | 0.994 | 0.8    | 81    | 0.00     |
| 91   | Dibenzo(a,h)anthracene     | 1.073 | 1.182 | -10.2  | 88    | 0.00     |
| 92   | Benzo(g,h,i)perylene       | 1.072 | 1.222 | -14.0  | 90    | 0.00     |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102424\  
Data File : BF139990.D  
Acq On : 24 Oct 2024 09:55  
Operator : RC/JU  
Sample : SSTDCCC040  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_F  
LabSampleId :  
SSTDCCC040

Quant Time: Oct 24 11:02:09 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101824.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Oct 18 15:07:50 2024  
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
Max. RRF Dev : 25% Max. Rel. Area : 150%

| Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|----------|-------|------|------|-------|----------|
|----------|-------|------|------|-------|----------|

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102424\  
 Data File : BF139990.D  
 Acq On : 24 Oct 2024 09:55  
 Operator : RC/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Oct 24 11:02:09 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101824.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Oct 18 15:07:50 2024  
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 25% Max. Rel. Area : 150%

|      | Compound                    | Amount | Calc.  | %Dev  | Area% | Dev(min) |
|------|-----------------------------|--------|--------|-------|-------|----------|
| 1 I  | 1,4-Dichlorobenzene-d4      | 20.000 | 20.000 | 0.0   | 88    | 0.00     |
| 2    | 1,4-Dioxane                 | 40.000 | 37.052 | 7.4   | 82    | -0.02    |
| 3    | Pyridine                    | 40.000 | 37.237 | 6.9   | 81    | -0.01    |
| 4    | n-Nitrosodimethylamine      | 40.000 | 34.778 | 13.1  | 75    | -0.01    |
| 5 S  | 2-Fluorophenol              | 80.000 | 75.645 | 5.4   | 83    | 0.00     |
| 6    | Aniline                     | 40.000 | 36.450 | 8.9   | 78    | 0.00     |
| 7 S  | Phenol-d6                   | 80.000 | 72.737 | 9.1   | 80    | 0.00     |
| 8    | 2-Chlorophenol              | 40.000 | 37.976 | 5.1   | 83    | 0.00     |
| 9    | Benzaldehyde                | 40.000 | 35.697 | 10.8  | 78    | 0.00     |
| 10 C | Phenol                      | 40.000 | 36.861 | 7.8   | 81    | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 40.000 | 36.961 | 7.6   | 83    | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 40.000 | 38.824 | 2.9   | 86    | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 40.000 | 38.944 | 2.6   | 86    | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 40.000 | 38.796 | 3.0   | 87    | 0.00     |
| 15   | Benzyl Alcohol              | 40.000 | 37.109 | 7.2   | 82    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 40.000 | 34.465 | 13.8  | 76    | 0.00     |
| 17   | 2-Methylphenol              | 40.000 | 37.003 | 7.5   | 82    | 0.00     |
| 18   | Hexachloroethane            | 40.000 | 39.033 | 2.4   | 85    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 40.000 | 35.083 | 12.3  | 80    | 0.00     |
| 20   | 3+4-Methylphenols           | 40.000 | 36.467 | 8.8   | 81    | 0.00     |
| 21 I | Naphthalene-d8              | 20.000 | 20.000 | 0.0   | 85    | 0.00     |
| 22   | Acetophenone                | 40.000 | 37.912 | 5.2   | 82    | 0.00     |
| 23 S | Nitrobenzene-d5             | 80.000 | 82.866 | -3.6  | 86    | 0.00     |
| 24   | Nitrobenzene                | 40.000 | 39.608 | 1.0   | 83    | 0.00     |
| 25   | Isophorone                  | 40.000 | 37.614 | 6.0   | 81    | 0.00     |
| 26 C | 2-Nitrophenol               | 40.000 | 47.492 | -18.7 | 96    | 0.00     |
| 27   | 2,4-Dimethylphenol          | 40.000 | 37.550 | 6.1   | 80    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 40.000 | 37.932 | 5.2   | 82    | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 40.000 | 39.521 | 1.2   | 84    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 40.000 | 40.140 | -0.4  | 85    | 0.00     |
| 31   | Naphthalene                 | 40.000 | 38.897 | 2.8   | 84    | 0.00     |
| 32   | Benzoic acid                | 40.000 | 45.616 | -14.0 | 96    | 0.00     |
| 33   | 4-Chloroaniline             | 40.000 | 38.001 | 5.0   | 81    | 0.00     |
| 34 C | Hexachlorobutadiene         | 40.000 | 41.060 | -2.7  | 88    | 0.00     |
| 35   | Caprolactam                 | 40.000 | 38.918 | 2.7   | 81    | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 40.000 | 38.132 | 4.7   | 81    | 0.00     |
| 37   | 2-Methylnaphthalene         | 40.000 | 38.975 | 2.6   | 85    | 0.00     |
| 38   | 1-Methylnaphthalene         | 40.000 | 38.809 | 3.0   | 84    | 0.00     |
| 39 I | Acenaphthene-d10            | 20.000 | 20.000 | 0.0   | 85    | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 40.000 | 40.864 | -2.2  | 87    | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 40.000 | 44.115 | -10.3 | 89    | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 80.000 | 87.672 | -9.6  | 93    | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 40.000 | 42.231 | -5.6  | 89    | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 40.000 | 40.103 | -0.3  | 84    | 0.00     |
| 45 S | 2-Fluorobiphenyl            | 80.000 | 78.229 | 2.2   | 87    | 0.00     |
| 46   | 1,1'-Biphenyl               | 40.000 | 39.383 | 1.5   | 85    | 0.00     |
| 47   | 2-Chloronaphthalene         | 40.000 | 39.600 | 1.0   | 85    | 0.00     |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102424\  
 Data File : BF139990.D  
 Acq On : 24 Oct 2024 09:55  
 Operator : RC/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Oct 24 11:02:09 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101824.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Oct 18 15:07:50 2024  
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 25% Max. Rel. Area : 150%

|      | Compound                   | Amount | Calc.  | %Dev   | Area% | Dev(min) |
|------|----------------------------|--------|--------|--------|-------|----------|
| 48   | 2-Nitroaniline             | 40.000 | 42.243 | -5.6   | 84    | 0.00     |
| 49   | Acenaphthylene             | 40.000 | 39.009 | 2.5    | 83    | 0.00     |
| 50   | Dimethylphthalate          | 40.000 | 38.796 | 3.0    | 83    | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 40.000 | 42.481 | -6.2   | 87    | 0.00     |
| 52 C | Acenaphthene               | 40.000 | 40.099 | -0.2   | 86    | 0.00     |
| 53   | 3-Nitroaniline             | 40.000 | 40.785 | -2.0   | 82    | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 40.000 | 55.091 | -37.7# | 124   | 0.00     |
| 55   | Dibenzofuran               | 40.000 | 38.488 | 3.8    | 83    | 0.00     |
| 56 P | 4-Nitrophenol              | 40.000 | 42.808 | -7.0   | 84    | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 40.000 | 44.729 | -11.8  | 88    | 0.00     |
| 58   | Fluorene                   | 40.000 | 38.758 | 3.1    | 85    | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 41.690 | -4.2   | 88    | 0.00     |
| 60   | Diethylphthalate           | 40.000 | 38.433 | 3.9    | 82    | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 40.000 | 40.111 | -0.3   | 87    | 0.00     |
| 62   | 4-Nitroaniline             | 40.000 | 39.396 | 1.5    | 80    | 0.00     |
| 63   | Azobenzene                 | 40.000 | 37.078 | 7.3    | 78    | 0.00     |
| 64 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0    | 83    | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 40.000 | 57.493 | -43.7# | 112   | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 40.000 | 39.266 | 1.8    | 82    | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 40.000 | 42.017 | -5.0   | 89    | 0.00     |
| 68   | Hexachlorobenzene          | 40.000 | 41.441 | -3.6   | 86    | 0.00     |
| 69   | Atrazine                   | 40.000 | 39.759 | 0.6    | 77    | 0.00     |
| 70 C | Pentachlorophenol          | 40.000 | 46.531 | -16.3  | 90    | 0.00     |
| 71   | Phenanthrene               | 40.000 | 38.829 | 2.9    | 82    | 0.00     |
| 72   | Anthracene                 | 40.000 | 39.385 | 1.5    | 83    | 0.00     |
| 73   | Carbazole                  | 40.000 | 37.439 | 6.4    | 79    | 0.00     |
| 74   | Di-n-butylphthalate        | 40.000 | 38.284 | 4.3    | 78    | 0.00     |
| 75 C | Fluoranthene               | 40.000 | 37.814 | 5.5    | 80    | 0.00     |
| 76 I | Chrysene-d12               | 20.000 | 20.000 | 0.0    | 78    | 0.00     |
| 77   | Benzydine                  | 40.000 | 33.487 | 16.3   | 59    | 0.00     |
| 78   | Pyrene                     | 40.000 | 42.123 | -5.3   | 79    | 0.00     |
| 79 S | Terphenyl-d14              | 80.000 | 83.809 | -4.8   | 80    | 0.00     |
| 80   | Butylbenzylphthalate       | 40.000 | 40.861 | -2.2   | 75    | 0.00     |
| 81   | Benzo(a)anthracene         | 40.000 | 39.181 | 2.0    | 74    | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 40.000 | 43.406 | -8.5   | 83    | 0.00     |
| 83   | Chrysene                   | 40.000 | 38.191 | 4.5    | 76    | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 40.000 | 43.443 | -8.6   | 79    | 0.00     |
| 85 c | Di-n-octyl phthalate       | 40.000 | 42.497 | -6.2   | 78    | 0.00     |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0    | 83    | 0.00     |
| 87   | Indeno(1,2,3-cd)pyrene     | 40.000 | 44.181 | -10.5  | 88    | 0.01     |
| 88   | Benzo(b)fluoranthene       | 40.000 | 35.286 | 11.8   | 75    | 0.00     |
| 89   | Benzo(k)fluoranthene       | 40.000 | 40.161 | -0.4   | 82    | 0.00     |
| 90 C | Benzo(a)pyrene             | 40.000 | 39.654 | 0.9    | 81    | 0.00     |
| 91   | Dibenzo(a,h)anthracene     | 40.000 | 44.037 | -10.1  | 88    | 0.00     |
| 92   | Benzo(g,h,i)perylene       | 40.000 | 45.596 | -14.0  | 90    | 0.00     |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102424\  
Data File : BF139990.D  
Acq On : 24 Oct 2024 09:55  
Operator : RC/JU  
Sample : SSTDCCC040  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_F  
LabSampleId :  
SSTDCCC040

Quant Time: Oct 24 11:02:09 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101824.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Oct 18 15:07:50 2024  
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
Max. RRF Dev : 25% Max. Rel. Area : 150%

| Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|----------|--------|-------|------|-------|----------|
|----------|--------|-------|------|-------|----------|

-----  
(#) = Out of Range                      SPCC's out = 0    CCC's out = 0



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

7C

## SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4471 SAS No.: P4471 SDG No.: P4471

Instrument ID: BNA\_F Calibration Date/Time: 10/24/2024 15:16

Lab File ID: BF140001.D Init. Calib. Date(s): 10/18/2024 10/18/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:27 13:46

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

| COMPOUND                    | RRF   | RRF040 | MIN<br>RRF | %D    | MAX%D |
|-----------------------------|-------|--------|------------|-------|-------|
| 2-Fluorophenol              | 1.278 | 1.208  |            | -5.5  |       |
| Benzaldehyde                | 0.931 | 0.931  |            | 0.0   |       |
| Phenol-d6                   | 1.655 | 1.521  |            | -8.1  |       |
| Phenol                      | 1.706 | 1.601  |            | -6.2  | 20.0  |
| bis(2-Chloroethyl)ether     | 1.319 | 1.259  |            | -4.5  |       |
| 2-Chlorophenol              | 1.306 | 1.259  |            | -3.6  |       |
| 2-Methylphenol              | 1.114 | 1.047  |            | -6.0  |       |
| 2,2-oxybis(1-Chloropropane) | 2.248 | 1.948  |            | -13.3 |       |
| Acetophenone                | 0.490 | 0.472  |            | -3.7  |       |
| 3+4-Methylphenols           | 1.424 | 1.322  |            | -7.2  |       |
| n-Nitroso-di-n-propylamine  | 1.004 | 0.889  | 0.050      | -11.5 |       |
| Nitrobenzene-d5             | 0.361 | 0.374  |            | 3.6   |       |
| Hexachloroethane            | 0.534 | 0.526  |            | -1.5  |       |
| Nitrobenzene                | 0.396 | 0.397  |            | 0.3   |       |
| Isophorone                  | 0.685 | 0.655  |            | -4.4  |       |
| 2-Nitrophenol               | 0.149 | 0.178  |            | 19.5  | 20.0  |
| 2,4-Dimethylphenol          | 0.249 | 0.238  |            | -4.4  |       |
| bis(2-Chloroethoxy)methane  | 0.415 | 0.407  |            | -1.9  |       |
| 2,4-Dichlorophenol          | 0.283 | 0.285  |            | 0.7   | 20.0  |
| Naphthalene                 | 1.031 | 1.015  |            | -1.6  |       |
| 4-Chloroaniline             | 0.352 | 0.336  |            | -4.5  |       |
| Hexachlorobutadiene         | 0.197 | 0.203  |            | 3.0   | 20.0  |
| Caprolactam                 | 0.090 | 0.089  |            | -1.1  |       |
| 4-Chloro-3-methylphenol     | 0.314 | 0.306  |            | -2.5  | 20.0  |
| 2-Methylnaphthalene         | 0.632 | 0.623  |            | -1.4  |       |
| Hexachlorocyclopentadiene   | 0.188 | 0.199  | 0.050      | 5.9   |       |
| 2,4,6-Trichlorophenol       | 0.382 | 0.387  |            | 1.3   | 20.0  |
| 2-Fluorobiphenyl            | 1.210 | 1.197  |            | -1.1  |       |
| 2,4,5-Trichlorophenol       | 0.394 | 0.415  |            | 5.3   |       |
| 1,1-Biphenyl                | 1.392 | 1.393  |            | 0.1   |       |
| 2-Chloronaphthalene         | 1.121 | 1.127  |            | 0.5   |       |
| 2-Nitroaniline              | 0.343 | 0.369  |            | 7.6   |       |
| Dimethylphthalate           | 1.246 | 1.232  |            | -1.1  |       |
| Acenaphthylene              | 1.621 | 1.600  |            | -1.3  |       |
| 2,6-Dinitrotoluene          | 0.270 | 0.292  |            | 8.1   |       |
| 3-Nitroaniline              | 0.278 | 0.285  |            | 2.5   |       |
| Acenaphthene                | 1.049 | 1.061  |            | 1.1   | 20.0  |
| 2,4-Dinitrophenol           | 0.093 | 0.142  | 0.050      | 52.7  |       |
| 4-Nitrophenol               | 0.214 | 0.216  | 0.050      | 0.9   |       |



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

7C

## SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4471 SAS No.: P4471 SDG No.: P4471

Instrument ID: BNA\_F Calibration Date/Time: 10/24/2024 15:16

Lab File ID: BF140001.D Init. Calib. Date(s): 10/18/2024 10/18/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:27 13:46

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

| COMPOUND                   | RRF   | RRF040 | MIN<br>RRF | %D    | MAX%D |
|----------------------------|-------|--------|------------|-------|-------|
| Dibenzofuran               | 1.505 | 1.482  |            | -1.5  |       |
| 2,4-Dinitrotoluene         | 0.332 | 0.371  |            | 11.7  |       |
| Diethylphthalate           | 1.223 | 1.183  |            | -3.3  |       |
| 4-Chlorophenyl-phenylether | 0.579 | 0.577  |            | -0.3  |       |
| Fluorene                   | 1.146 | 1.115  |            | -2.7  |       |
| 4-Nitroaniline             | 0.263 | 0.268  |            | 1.9   |       |
| 4,6-Dinitro-2-methylphenol | 0.082 | 0.115  |            | 40.2  |       |
| n-Nitrosodiphenylamine     | 0.599 | 0.597  |            | -0.3  | 20.0  |
| 2,4,6-Tribromophenol       | 0.187 | 0.207  |            | 10.7  |       |
| 4-Bromophenyl-phenylether  | 0.206 | 0.220  |            | 6.8   |       |
| Hexachlorobenzene          | 0.232 | 0.242  |            | 4.3   |       |
| Atrazine                   | 0.162 | 0.163  |            | 0.6   |       |
| Pentachlorophenol          | 0.141 | 0.159  |            | 12.8  | 20.0  |
| Phenanthrene               | 0.945 | 0.922  |            | -2.4  |       |
| Anthracene                 | 0.922 | 0.910  |            | -1.3  |       |
| Carbazole                  | 0.857 | 0.810  |            | -5.5  |       |
| Di-n-butylphthalate        | 0.990 | 0.945  |            | -4.5  |       |
| Fluoranthene               | 0.955 | 0.896  |            | -6.2  | 20.0  |
| Pyrene                     | 1.751 | 1.855  |            | 5.9   |       |
| Terphenyl-d14              | 1.227 | 1.306  |            | 6.4   |       |
| Butylbenzylphthalate       | 0.525 | 0.544  |            | 3.6   |       |
| 3,3-Dichlorobenzidine      | 0.380 | 0.435  |            | 14.5  |       |
| Benzo (a) anthracene       | 1.302 | 1.322  |            | 1.5   |       |
| Chrysene                   | 1.194 | 1.125  |            | -5.8  |       |
| Bis(2-ethylhexyl)phthalate | 0.589 | 0.627  |            | 6.5   |       |
| Di-n-octyl phthalate       | 1.071 | 1.102  |            | 2.9   | 20.0  |
| Benzo (b) fluoranthene     | 1.218 | 1.087  |            | -10.8 |       |
| Benzo (k) fluoranthene     | 1.051 | 1.032  |            | -1.8  |       |
| Benzo (a) pyrene           | 1.002 | 0.984  |            | -1.8  | 20.0  |
| Indeno (1,2,3-cd) pyrene   | 1.287 | 1.386  |            | 7.7   |       |
| Dibenzo (a,h) anthracene   | 1.073 | 1.154  |            | 7.5   |       |
| Benzo (g,h,i) perylene     | 1.072 | 1.167  |            | 8.9   |       |
| 1,2,4,5-Tetrachlorobenzene | 0.540 | 0.560  |            | 3.7   |       |
| 1,4-Dioxane                | 0.596 | 0.573  |            | -3.9  | 20.0  |
| 2,3,4,6-Tetrachlorophenol  | 0.309 | 0.321  |            | 3.9   |       |

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102424\  
 Data File : BF140001.D  
 Acq On : 24 Oct 2024 15:16  
 Operator : RC/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDCCC040

Quant Time: Oct 24 16:03:07 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101824.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Oct 18 15:07:50 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.892  | 152  | 162461   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.175  | 136  | 593909   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.928  | 164  | 325446   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.416 | 188  | 551060   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 14.051 | 240  | 264546   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12              | 15.533 | 264  | 308388   | 20.000 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.498  | 112  | 785302   | 75.672 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.510  | 99   | 988444   | 73.541 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.451  | 82   | 889079   | 82.969 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.716 | 330  | 269743   | 88.611 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.245  | 172  | 1557843  | 79.111 | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.998 | 244  | 1381525  | 85.096 | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.669  | 88   | 186182   | 38.479 | ng    | 92       |
| 3) Pyridine                   | 3.434  | 79   | 457587   | 38.153 | ng    | 95       |
| 4) n-Nitrosodimethylamine     | 3.387  | 42   | 223610   | 34.702 | ng    | 93       |
| 6) Aniline                    | 6.551  | 93   | 466105   | 37.209 | ng    | 98       |
| 8) 2-Chlorophenol             | 6.675  | 128  | 409134   | 38.564 | ng    | 98       |
| 9) Benzaldehyde               | 6.440  | 77   | 302456   | 40.001 | ng    | 97       |
| 10) Phenol                    | 6.528  | 94   | 520234m  | 37.544 | ng    |          |
| 11) bis(2-Chloroethyl)ether   | 6.628  | 93   | 408985   | 38.186 | ng    | 98       |
| 12) 1,3-Dichlorobenzene       | 6.834  | 146  | 475014   | 39.005 | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 6.910  | 146  | 476387   | 39.154 | ng    | 100      |
| 14) 1,2-Dichlorobenzene       | 7.063  | 146  | 444385   | 39.134 | ng    | 98       |
| 15) Benzyl Alcohol            | 7.028  | 79   | 367419   | 37.266 | ng    | 100      |
| 16) 2,2'-oxybis(1-Chloropr... | 7.163  | 45   | 632869   | 34.654 | ng    | 97       |
| 17) 2-Methylphenol            | 7.134  | 107  | 340117   | 37.597 | ng    | 99       |
| 18) Hexachloroethane          | 7.404  | 117  | 170793   | 39.364 | ng    | 97       |
| 19) n-Nitroso-di-n-propyla... | 7.304  | 70   | 288756   | 35.422 | ng    | 96       |
| 20) 3+4-Methylphenols         | 7.287  | 107  | 429485   | 37.117 | ng    | 99       |
| 22) Acetophenone              | 7.298  | 105  | 560330   | 38.519 | ng    | 98       |
| 24) Nitrobenzene              | 7.475  | 77   | 471946   | 40.170 | ng    | 97       |
| 25) Isophorone                | 7.710  | 82   | 778277   | 38.266 | ng    | 99       |
| 26) 2-Nitrophenol             | 7.787  | 139  | 212018   | 47.835 | ng    | 96       |
| 27) 2,4-Dimethylphenol        | 7.816  | 122  | 282380   | 38.208 | ng    | 99       |
| 28) bis(2-Chloroethoxy)met... | 7.922  | 93   | 483000   | 39.197 | ng    | 100      |
| 29) 2,4-Dichlorophenol        | 8.022  | 162  | 338602   | 40.223 | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 8.116  | 180  | 379262   | 40.717 | ng    | 99       |
| 31) Naphthalene               | 8.192  | 128  | 1205536  | 39.358 | ng    | 100      |
| 32) Benzoic acid              | 7.922  | 122  | 286230   | 44.404 | ng    | 97       |
| 33) 4-Chloroaniline           | 8.239  | 127  | 399083   | 38.210 | ng    | 98       |
| 34) Hexachlorobutadiene       | 8.310  | 225  | 241696   | 41.298 | ng    | 99       |
| 35) Caprolactam               | 8.610  | 113  | 105511   | 39.419 | ng    | # 89     |
| 36) 4-Chloro-3-methylphenol   | 8.716  | 107  | 363168   | 38.961 | ng    | 97       |
| 37) 2-Methylnaphthalene       | 8.886  | 142  | 740369   | 39.467 | ng    | 99       |
| 38) 1-Methylnaphthalene       | 8.986  | 142  | 722456   | 39.253 | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 9.051  | 216  | 364431   | 41.507 | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 9.039  | 237  | 129438   | 42.369 | ng    | 100      |
| 43) 2,4,6-Trichlorophenol     | 9.157  | 196  | 251948   | 40.531 | ng    | 99       |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102424\  
 Data File : BF140001.D  
 Acq On : 24 Oct 2024 15:16  
 Operator : RC/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDCCC040

Quant Time: Oct 24 16:03:07 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101824.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Oct 18 15:07:50 2024  
 Response via : Initial Calibration

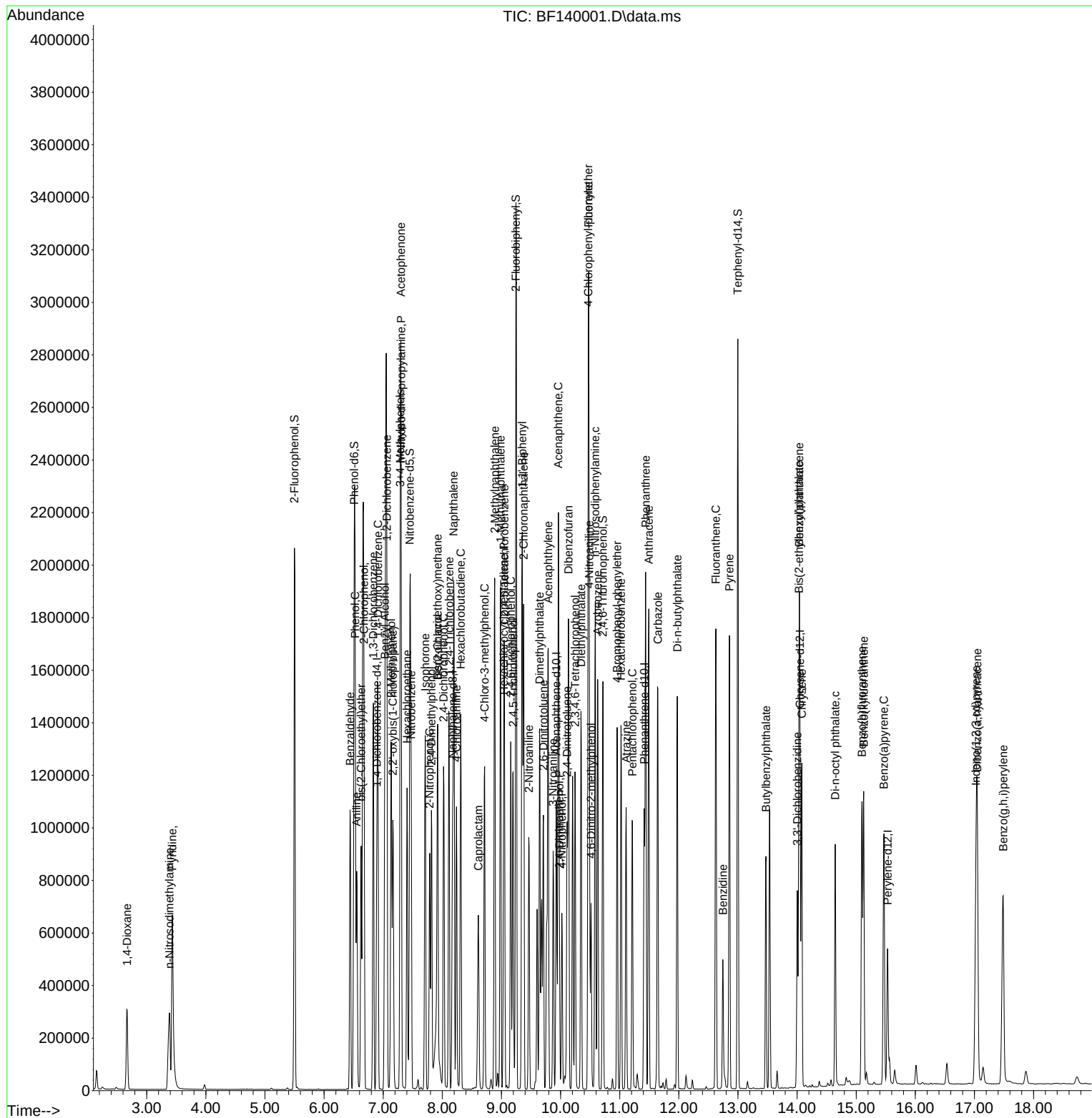
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.198  | 196  | 270426   | 42.166 | ng    | 98       |
| 46) 1,1'-Biphenyl             | 9.351  | 154  | 906616   | 40.017 | ng    | 99       |
| 47) 2-Chloronaphthalene       | 9.375  | 162  | 733451   | 40.195 | ng    | 99       |
| 48) 2-Nitroaniline            | 9.463  | 65   | 239883   | 42.983 | ng    | 97       |
| 49) Acenaphthylene            | 9.792  | 152  | 1041391  | 39.476 | ng    | 100      |
| 50) Dimethylphthalate         | 9.645  | 163  | 801985   | 39.563 | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 9.710  | 165  | 190116   | 43.315 | ng    | 93       |
| 52) Acenaphthene              | 9.963  | 154  | 690672   | 40.473 | ng    | 98       |
| 53) 3-Nitroaniline            | 9.875  | 138  | 185713   | 41.030 | ng    | 98       |
| 54) 2,4-Dinitrophenol         | 9.980  | 184  | 92106    | 52.914 | ng #  | 1        |
| 55) Dibenzofuran              | 10.133 | 168  | 964830   | 39.406 | ng    | 98       |
| 56) 4-Nitrophenol             | 10.022 | 139  | 140574   | 40.368 | ng    | 99       |
| 57) 2,4-Dinitrotoluene        | 10.110 | 165  | 241540   | 44.750 | ng    | 95       |
| 58) Fluorene                  | 10.475 | 166  | 725502   | 38.903 | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol | 10.245 | 232  | 208621   | 41.495 | ng    | 96       |
| 60) Diethylphthalate          | 10.345 | 149  | 769726   | 38.673 | ng    | 100      |
| 61) 4-Chlorophenyl-phenyle... | 10.469 | 204  | 375551   | 39.877 | ng    | 98       |
| 62) 4-Nitroaniline            | 10.486 | 138  | 174132   | 40.734 | ng    | 96       |
| 63) Azobenzene                | 10.628 | 77   | 785480   | 37.225 | ng    | 97       |
| 65) 4,6-Dinitro-2-methylph... | 10.516 | 198  | 126912   | 56.462 | ng    | 94       |
| 66) n-Nitrosodiphenylamine    | 10.586 | 169  | 657938   | 39.892 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 10.957 | 248  | 242294   | 42.680 | ng    | 96       |
| 68) Hexachlorobenzene         | 11.022 | 284  | 267054   | 41.827 | ng    | 98       |
| 69) Atrazine                  | 11.110 | 200  | 179895   | 40.265 | ng    | 99       |
| 70) Pentachlorophenol         | 11.216 | 266  | 175060   | 45.178 | ng    | 99       |
| 71) Phenanthrene              | 11.439 | 178  | 1015890  | 39.028 | ng    | 100      |
| 72) Anthracene                | 11.492 | 178  | 1002955  | 39.491 | ng    | 100      |
| 73) Carbazole                 | 11.645 | 167  | 893010   | 37.808 | ng    | 99       |
| 74) Di-n-butylphthalate       | 11.974 | 149  | 1041401  | 38.163 | ng    | 99       |
| 75) Fluoranthene              | 12.627 | 202  | 987214   | 37.517 | ng    | 99       |
| 77) Benzidine                 | 12.745 | 184  | 286923   | 65.959 | ng    | 100      |
| 78) Pyrene                    | 12.857 | 202  | 981324   | 42.378 | ng    | 100      |
| 80) Butylbenzylphthalate      | 13.474 | 149  | 287725   | 41.445 | ng    | 97       |
| 81) Benzo(a)anthracene        | 14.039 | 228  | 699263   | 40.605 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 14.004 | 252  | 229894   | 45.786 | ng    | 99       |
| 83) Chrysene                  | 14.080 | 228  | 594964   | 37.681 | ng    | 100      |
| 84) Bis(2-ethylhexyl)phtha... | 14.033 | 149  | 331672   | 42.582 | ng #  | 99       |
| 85) Di-n-octyl phthalate      | 14.645 | 149  | 583105   | 41.159 | ng    | 97       |
| 87) Indeno(1,2,3-cd)pyrene    | 17.027 | 276  | 854880   | 43.090 | ng    | 98       |
| 88) Benzo(b)fluoranthene      | 15.098 | 252  | 670218   | 35.677 | ng    | 100      |
| 89) Benzo(k)fluoranthene      | 15.127 | 252  | 636690   | 39.299 | ng    | 99       |
| 90) Benzo(a)pyrene            | 15.468 | 252  | 606890   | 39.262 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 17.051 | 278  | 712057   | 43.023 | ng    | 98       |
| 92) Benzo(g,h,i)perylene      | 17.486 | 276  | 720021   | 43.554 | ng    | 99       |

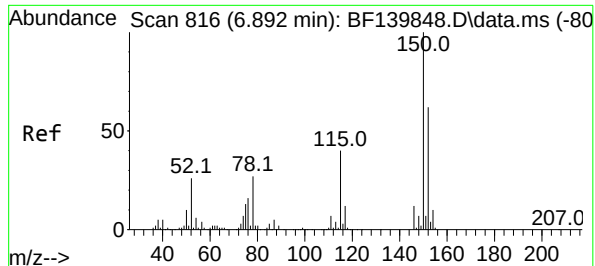
(#) = qualifier out of range (m) = manual integration (+) = signals summed

```
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102424\  
Data File : BF140001.D  
Acq On    : 24 Oct 2024  15:16  
Operator  : RC/JU  
Sample    : SSTDCCC040  
Misc      :  
ALS Vial  : 2    Sample Multiplier: 1
```

**Instrument :**  
BNA\_F  
**ClientSampleId :**  
SSTDCCC040

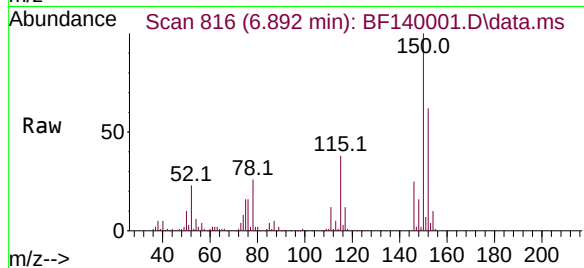
Quant Time: Oct 24 16:03:07 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101824.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Oct 18 15:07:50 2024  
Response via : Initial Calibration



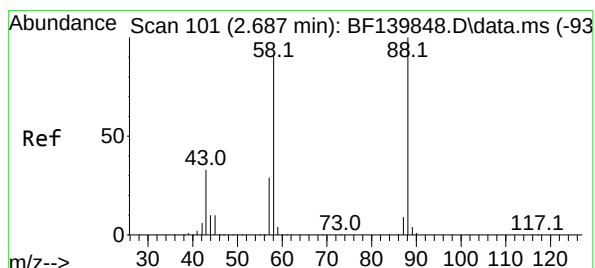
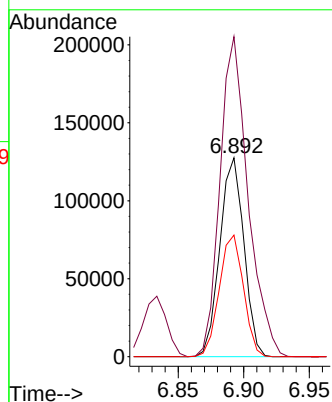
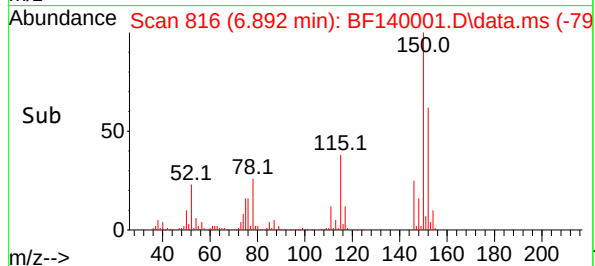


#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.892 min Scan# 81  
Delta R.T. 0.000 min  
Lab File: BF140001.D  
Acq: 24 Oct 2024 15:16

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

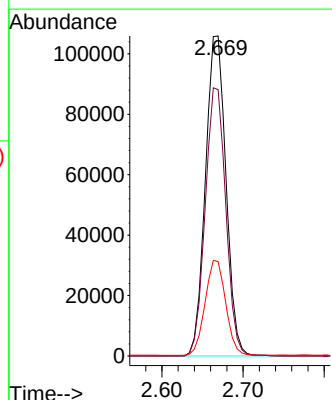
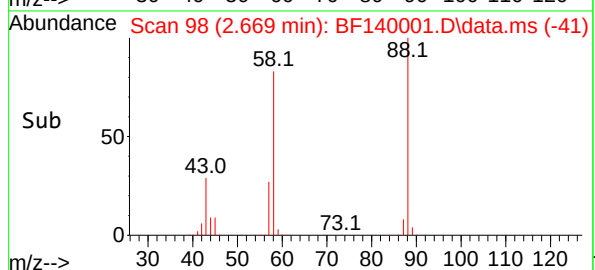
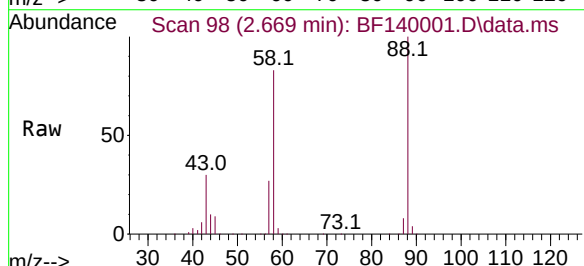


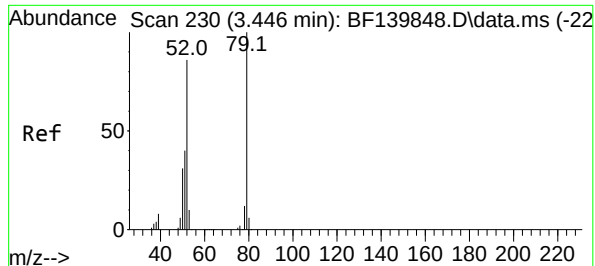
Tgt Ion:152 Resp: 162461  
Ion Ratio Lower Upper  
152 100  
150 160.9 130.2 195.2  
115 61.1 51.4 77.2



#2  
1,4-Dioxane  
Concen: 38.479 ng  
RT: 2.669 min Scan# 98  
Delta R.T. -0.018 min  
Lab File: BF140001.D  
Acq: 24 Oct 2024 15:16

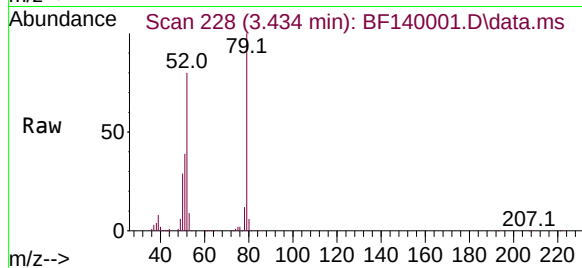
Tgt Ion: 88 Resp: 186182  
Ion Ratio Lower Upper  
88 100  
58 83.9 73.3 109.9  
43 29.7 27.1 40.7



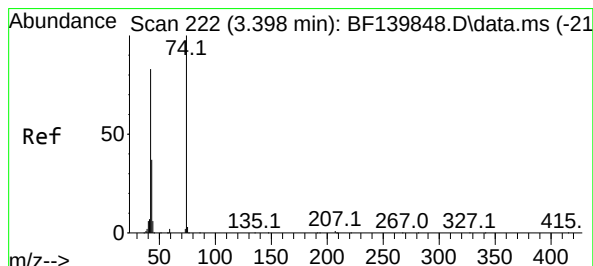
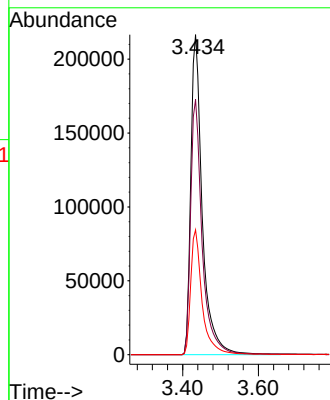
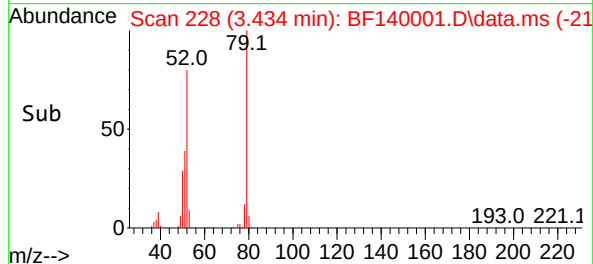


#3  
Pyridine  
Concen: 38.153 ng  
RT: 3.434 min Scan# 21  
Delta R.T. -0.012 min  
Lab File: BF140001.D  
Acq: 24 Oct 2024 15:16

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

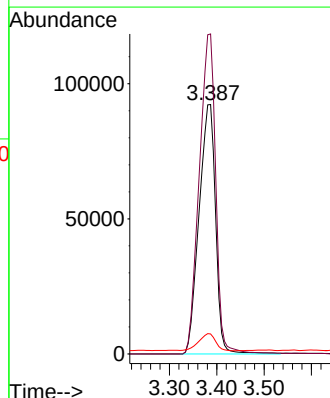
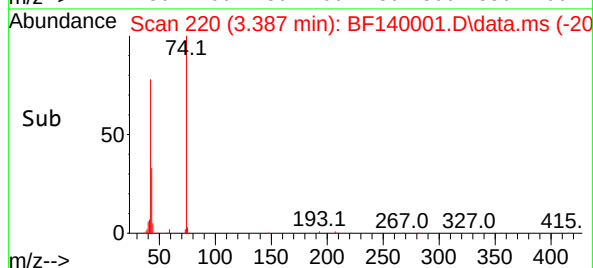
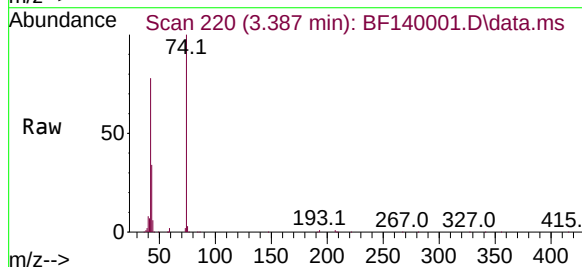


Tgt Ion: 79 Resp: 457587  
Ion Ratio Lower Upper  
79 100  
52 79.7 68.5 102.7  
51 39.0 32.3 48.5

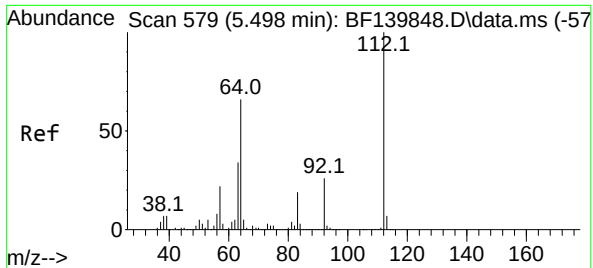


#4  
n-Nitrosodimethylamine  
Concen: 34.702 ng  
RT: 3.387 min Scan# 220  
Delta R.T. -0.012 min  
Lab File: BF140001.D  
Acq: 24 Oct 2024 15:16

Tgt Ion: 42 Resp: 223610  
Ion Ratio Lower Upper  
42 100  
74 128.3 96.2 144.4  
44 8.1 6.2 9.2



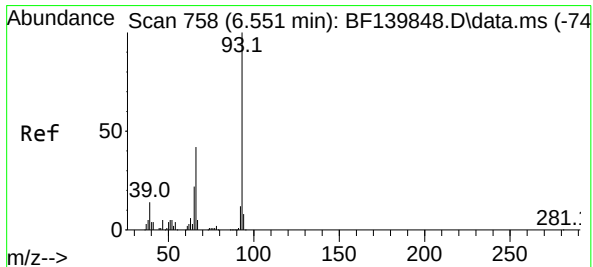
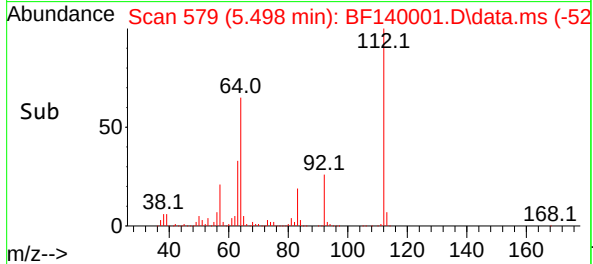
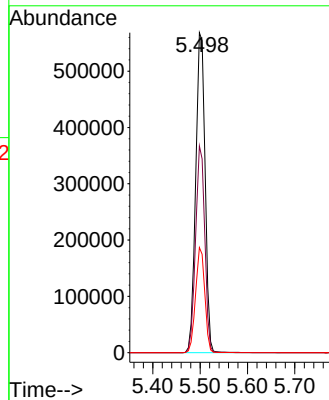
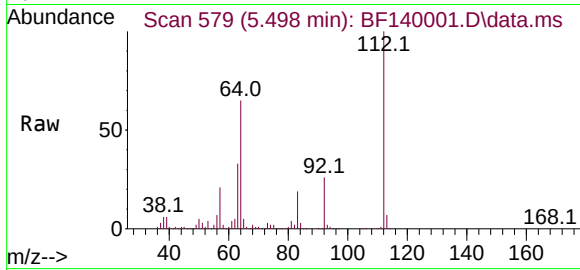




#5  
2-Fluorophenol  
Concen: 75.672 ng  
RT: 5.498 min Scan# 51  
Delta R.T. 0.000 min  
Lab File: BF140001.D  
Acq: 24 Oct 2024 15:16

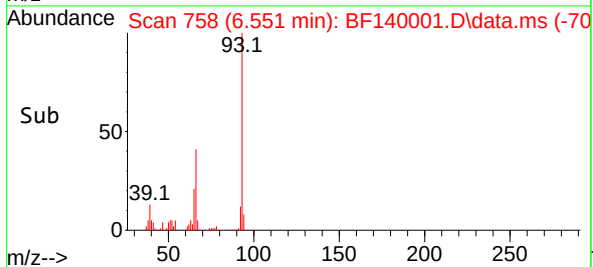
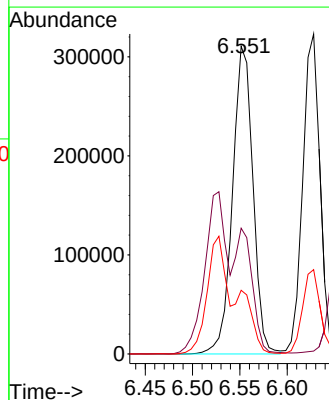
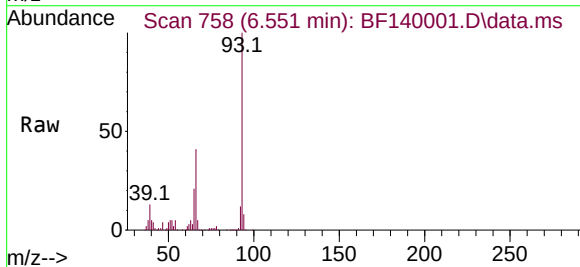
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

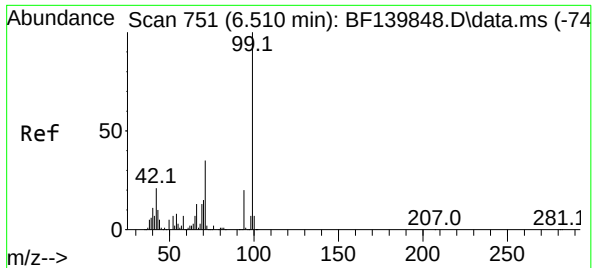
Tgt Ion:112 Resp: 785302  
Ion Ratio Lower Upper  
112 100  
64 64.6 53.0 79.6  
63 32.8 27.0 40.4



#6  
Aniline  
Concen: 37.209 ng  
RT: 6.551 min Scan# 758  
Delta R.T. 0.000 min  
Lab File: BF140001.D  
Acq: 24 Oct 2024 15:16

Tgt Ion: 93 Resp: 466105  
Ion Ratio Lower Upper  
93 100  
66 40.9 34.0 51.0  
65 20.7 17.4 26.0

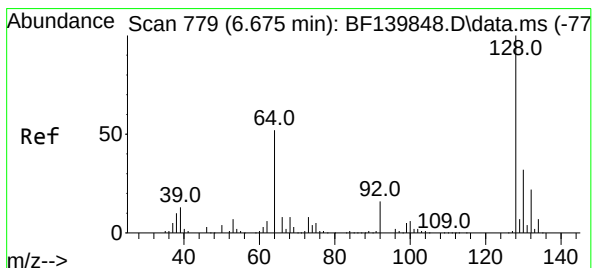
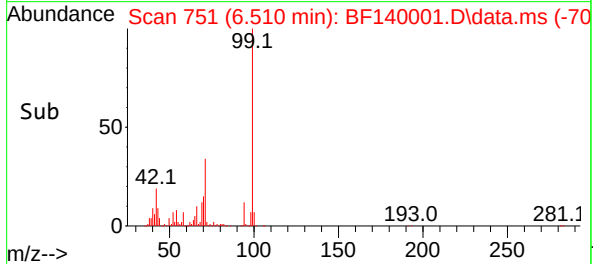
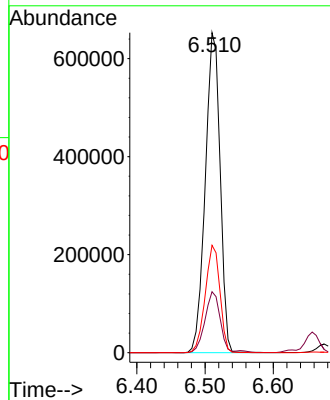
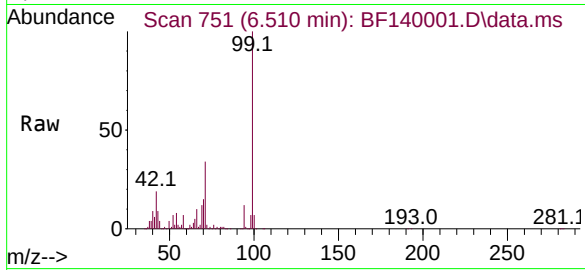




#7  
Phenol-d6  
Concen: 73.541 ng  
RT: 6.510 min Scan# 751  
Delta R.T. 0.000 min  
Lab File: BF140001.D  
Acq: 24 Oct 2024 15:16

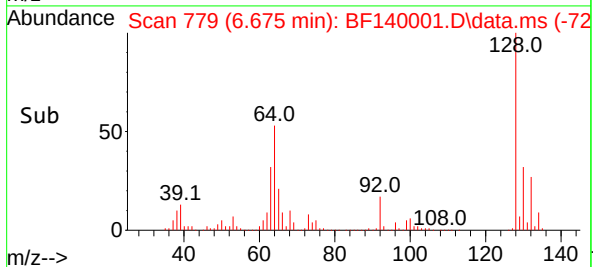
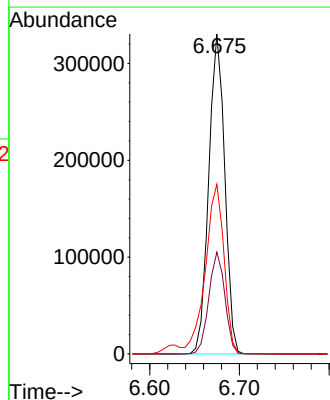
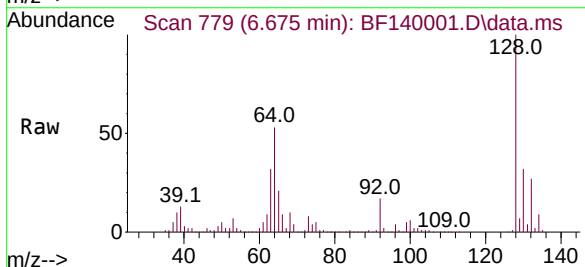
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

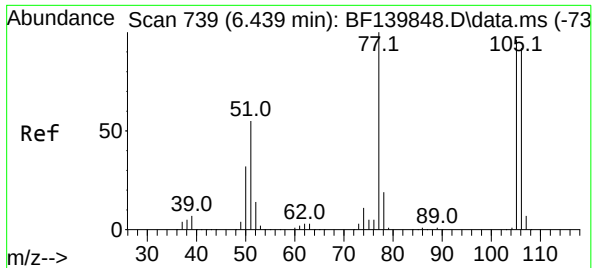
Tgt Ion: 99 Resp: 988444  
Ion Ratio Lower Upper  
99 100  
42 19.0 16.7 25.1  
71 33.5 27.7 41.5



#8  
2-Chlorophenol  
Concen: 38.564 ng  
RT: 6.675 min Scan# 779  
Delta R.T. 0.000 min  
Lab File: BF140001.D  
Acq: 24 Oct 2024 15:16

Tgt Ion: 128 Resp: 409134  
Ion Ratio Lower Upper  
128 100  
130 31.8 12.3 52.3  
64 53.0 34.6 74.6

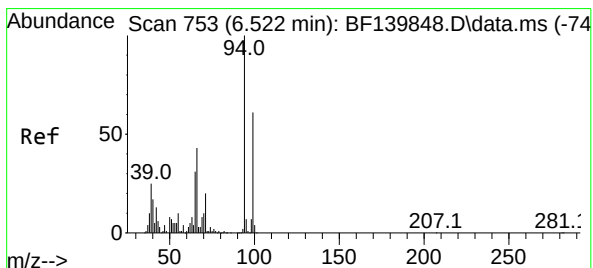
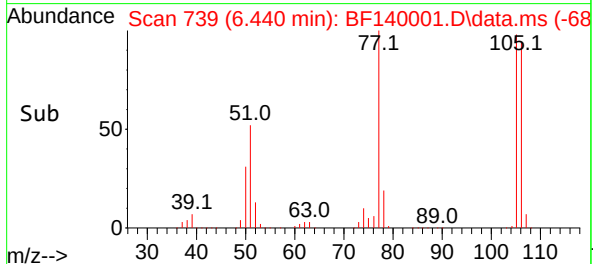
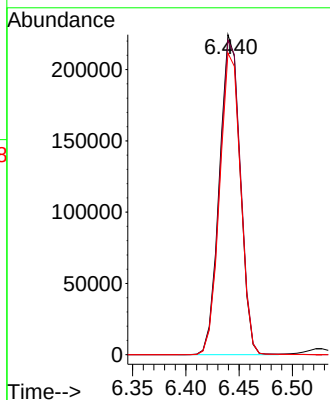
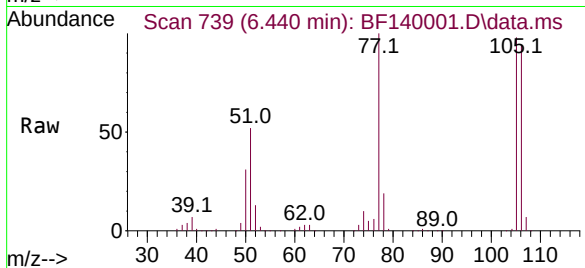




#9  
Benzaldehyde  
Concen: 40.001 ng  
RT: 6.440 min Scan# 71  
Delta R.T. 0.001 min  
Lab File: BF140001.D  
Acq: 24 Oct 2024 15:16

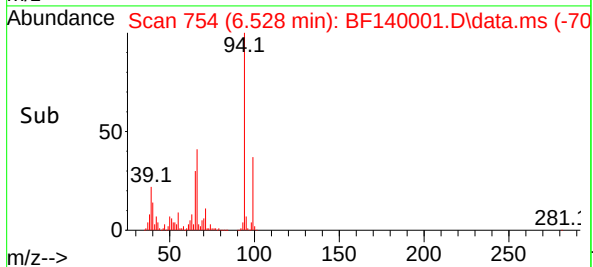
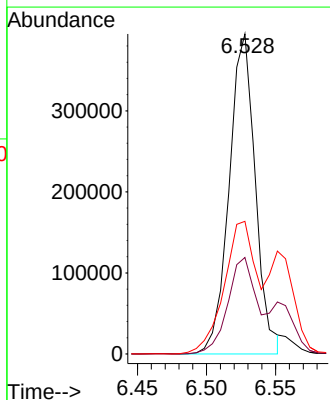
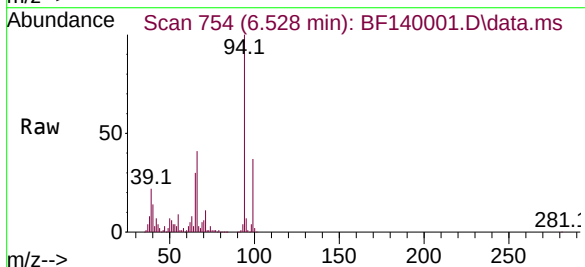
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

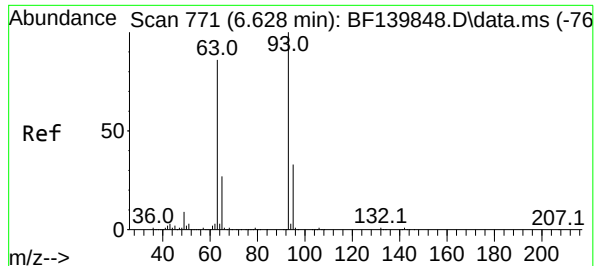
Tgt Ion: 77 Resp: 302456  
Ion Ratio Lower Upper  
77 100  
105 98.2 75.5 115.5  
106 94.3 71.7 111.7



#10  
Phenol  
Concen: 37.544 ng m  
RT: 6.528 min Scan# 754  
Delta R.T. 0.006 min  
Lab File: BF140001.D  
Acq: 24 Oct 2024 15:16

Tgt Ion: 94 Resp: 520234  
Ion Ratio Lower Upper  
94 100  
65 30.1 11.1 51.1  
66 41.5 22.7 62.7

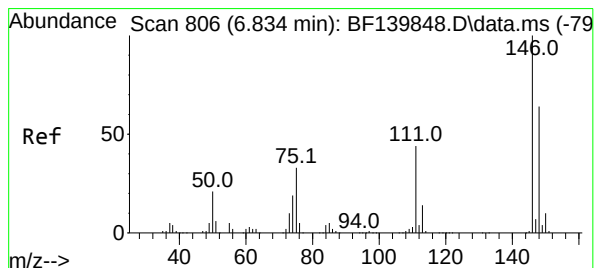
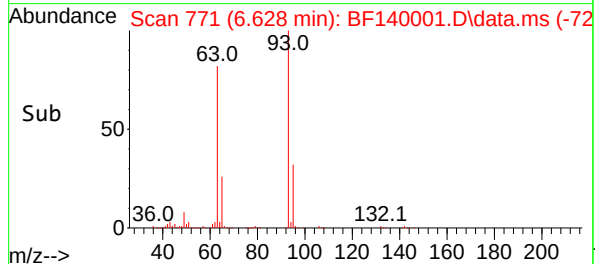
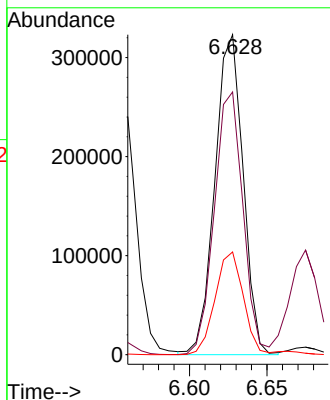
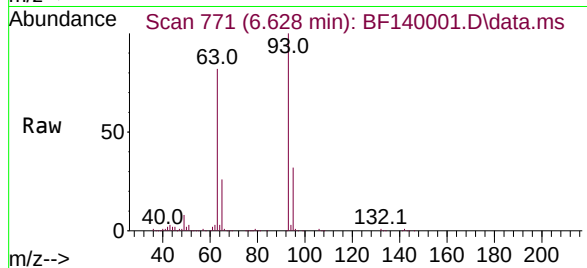




#11  
bis(2-Chloroethyl)ether  
Concen: 38.186 ng  
RT: 6.628 min Scan# 771  
Delta R.T. 0.000 min  
Lab File: BF140001.D  
Acq: 24 Oct 2024 15:16

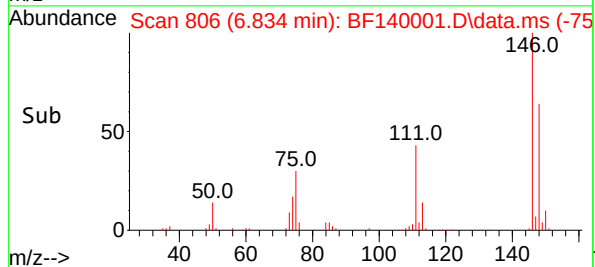
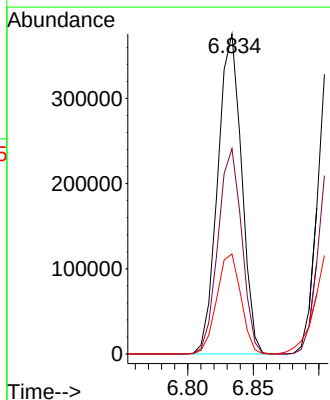
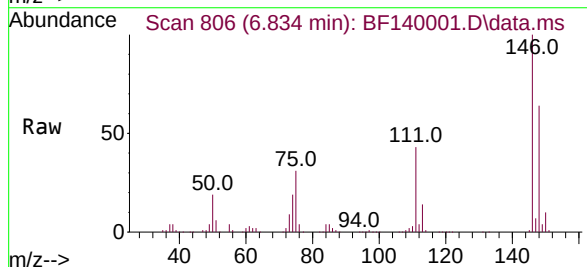
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

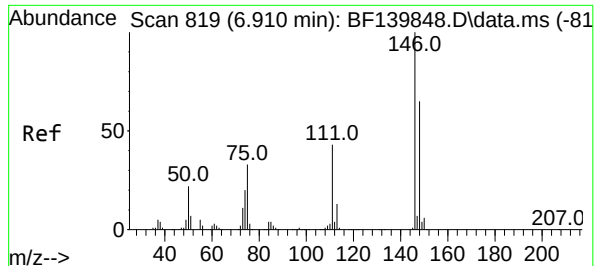
Tgt Ion: 93 Resp: 408985  
Ion Ratio Lower Upper  
93 100  
63 82.1 65.0 105.0  
95 32.1 12.4 52.4



#12  
1,3-Dichlorobenzene  
Concen: 39.005 ng  
RT: 6.834 min Scan# 806  
Delta R.T. 0.000 min  
Lab File: BF140001.D  
Acq: 24 Oct 2024 15:16

Tgt Ion: 146 Resp: 475014  
Ion Ratio Lower Upper  
146 100  
148 64.2 51.0 76.4  
75 31.2 26.4 39.6





#13

1,4-Dichlorobenzene

Concen: 39.154 ng

RT: 6.910 min Scan# 819

Delta R.T. 0.000 min

Lab File: BF140001.D

Acq: 24 Oct 2024 15:16

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

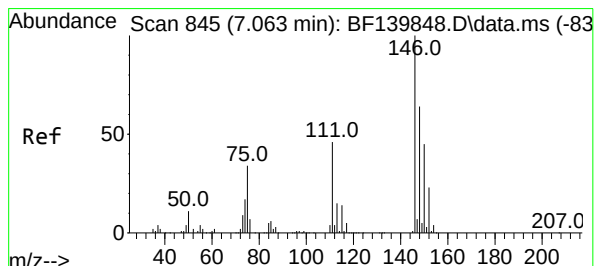
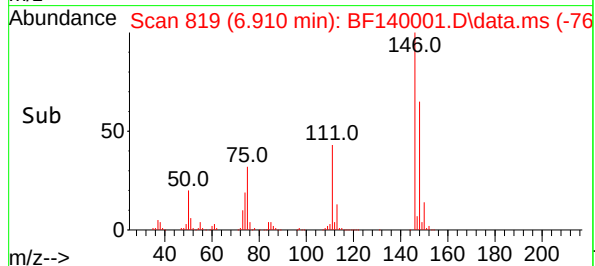
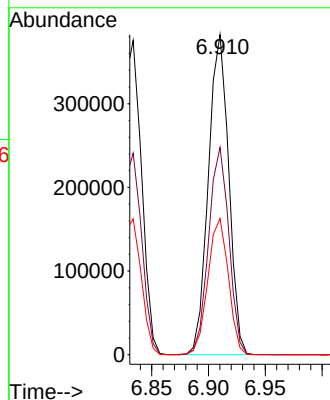
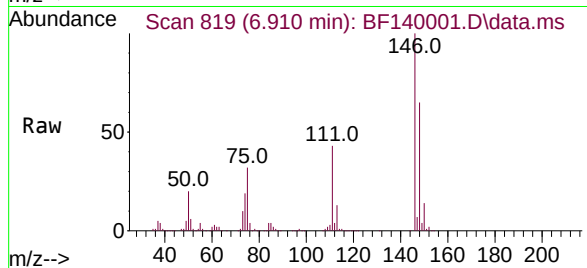
Tgt Ion:146 Resp: 476387

Ion Ratio Lower Upper

146 100

148 64.7 51.8 77.8

111 42.6 34.6 51.8



#14

1,2-Dichlorobenzene

Concen: 39.134 ng

RT: 7.063 min Scan# 845

Delta R.T. 0.000 min

Lab File: BF140001.D

Acq: 24 Oct 2024 15:16

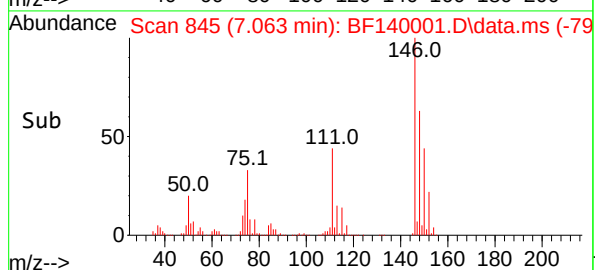
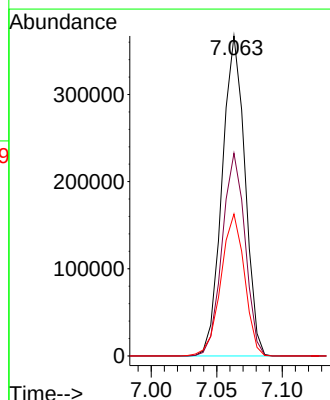
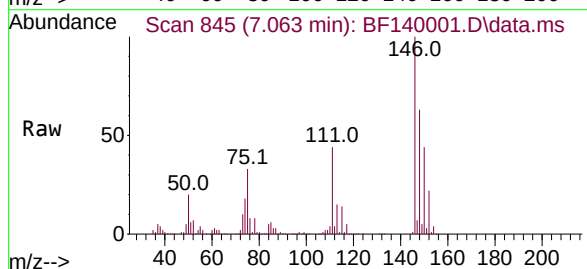
Tgt Ion:146 Resp: 444385

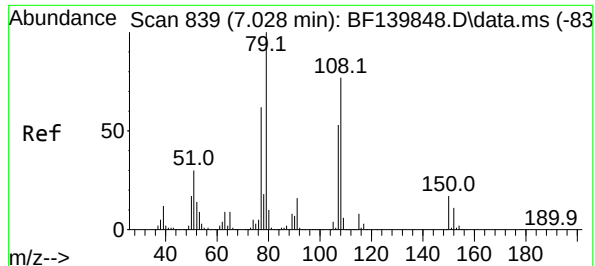
Ion Ratio Lower Upper

146 100

148 63.4 51.4 77.2

111 44.4 36.7 55.1





#15

Benzyl Alcohol

Concen: 37.266 ng

RT: 7.028 min Scan# 81

Delta R.T. 0.000 min

Lab File: BF140001.D

Acq: 24 Oct 2024 15:16

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

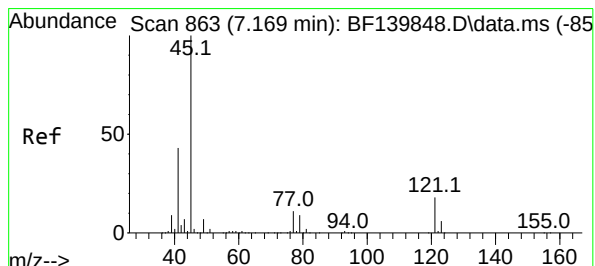
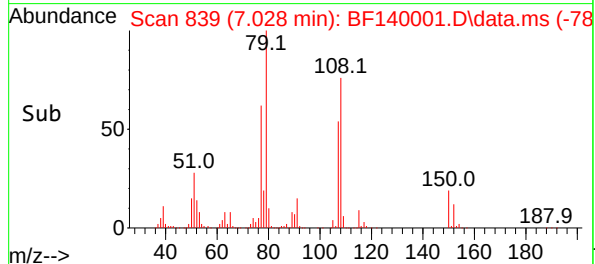
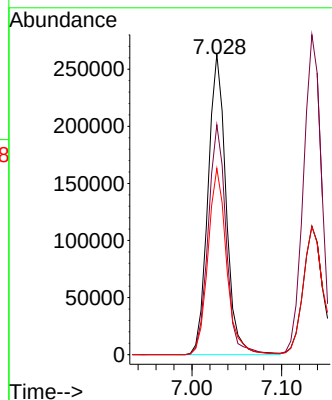
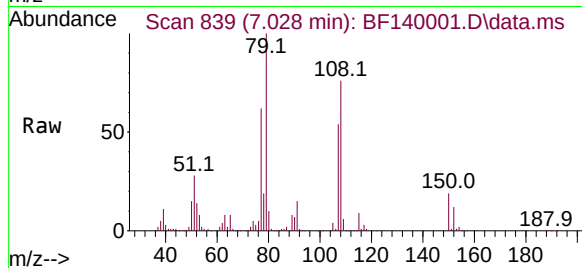
Tgt Ion: 79 Resp: 367419

Ion Ratio Lower Upper

79 100

108 76.5 61.4 92.0

77 62.0 49.9 74.9



#16

2,2'-oxybis(1-chloropropane)

Concen: 34.654 ng

RT: 7.163 min Scan# 862

Delta R.T. -0.006 min

Lab File: BF140001.D

Acq: 24 Oct 2024 15:16

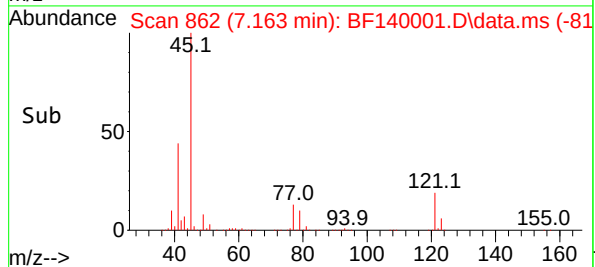
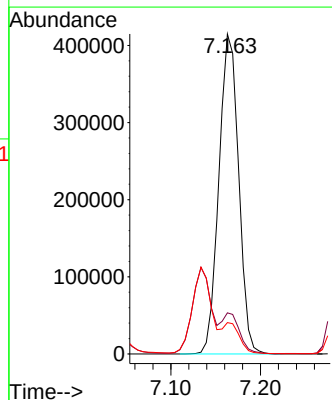
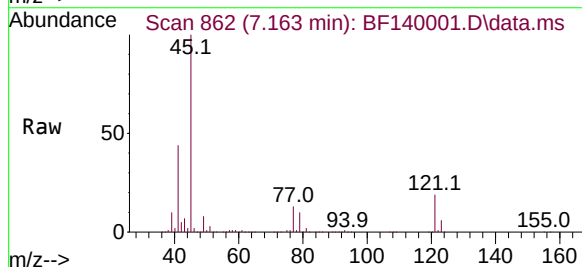
Tgt Ion: 45 Resp: 632869

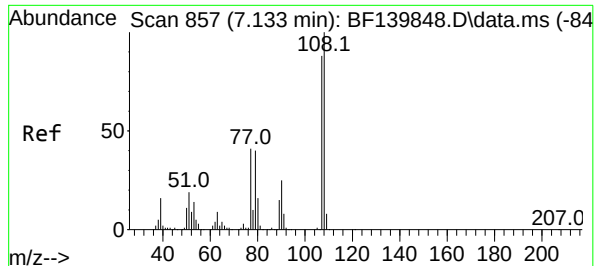
Ion Ratio Lower Upper

45 100

77 12.9 0.0 31.5

79 9.8 0.0 29.1



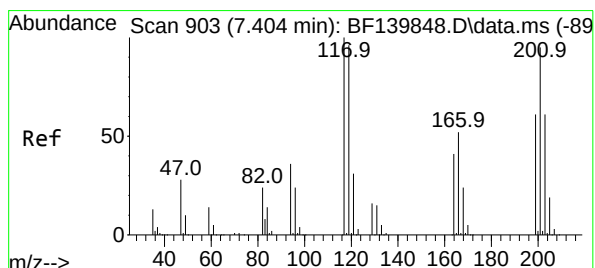
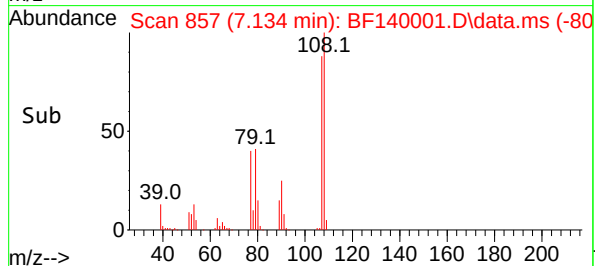
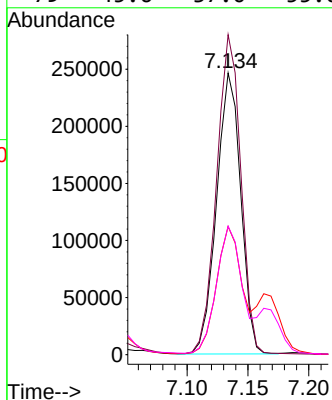
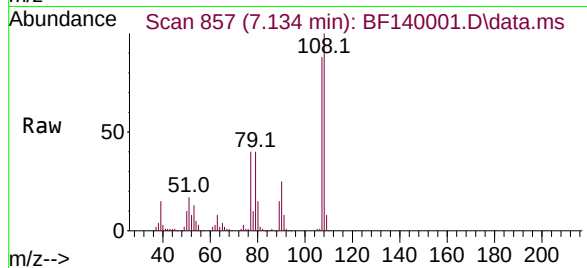


#17  
2-Methylphenol  
Concen: 37.597 ng  
RT: 7.134 min Scan# 857  
Delta R.T. 0.000 min  
Lab File: BF140001.D  
Acq: 24 Oct 2024 15:16

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

Tgt Ion:107 Resp: 340117

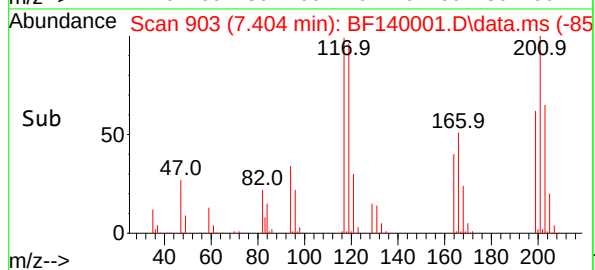
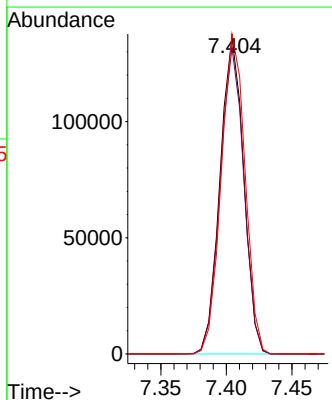
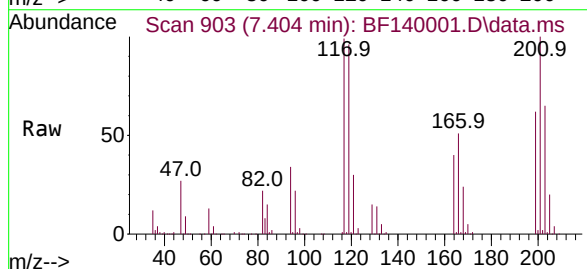
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 107 | 100   |       |       |
| 108 | 113.6 | 91.3  | 136.9 |
| 77  | 45.5  | 37.1  | 55.7  |
| 79  | 45.6  | 37.0  | 55.6  |

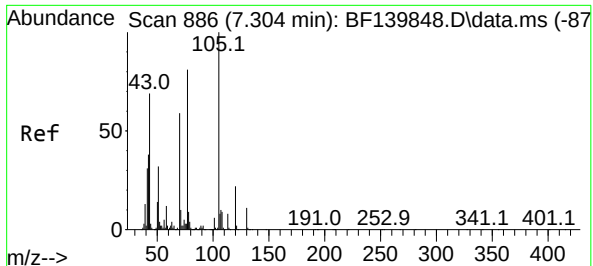


#18  
Hexachloroethane  
Concen: 39.364 ng  
RT: 7.404 min Scan# 903  
Delta R.T. 0.000 min  
Lab File: BF140001.D  
Acq: 24 Oct 2024 15:16

Tgt Ion:117 Resp: 170793

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 117 | 100   |       |       |
| 119 | 96.6  | 77.0  | 115.4 |
| 201 | 100.8 | 76.2  | 114.4 |

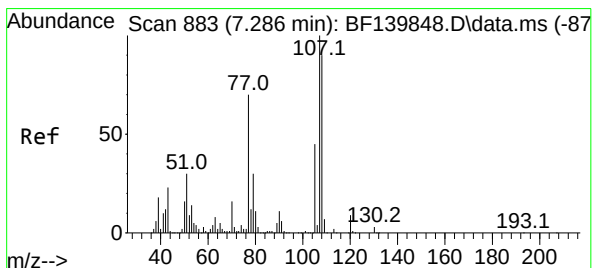
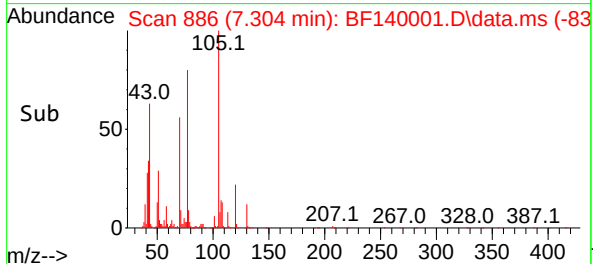
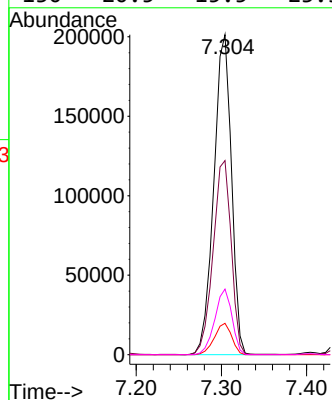
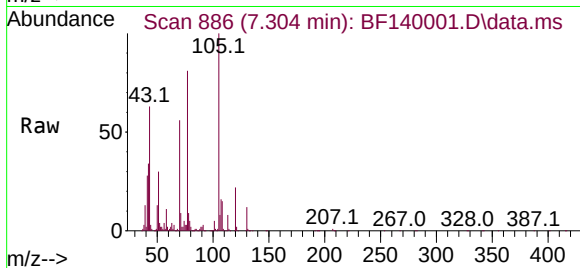




#19  
n-Nitroso-di-n-propylamine  
Concen: 35.422 ng  
RT: 7.304 min Scan# 886  
Delta R.T. 0.000 min  
Lab File: BF140001.D  
Acq: 24 Oct 2024 15:16

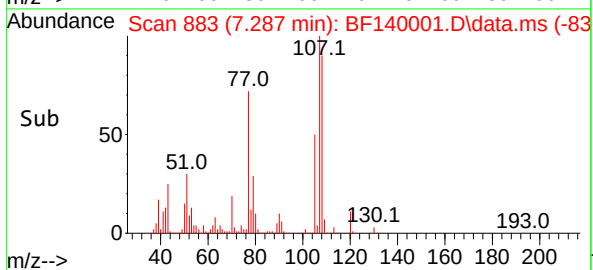
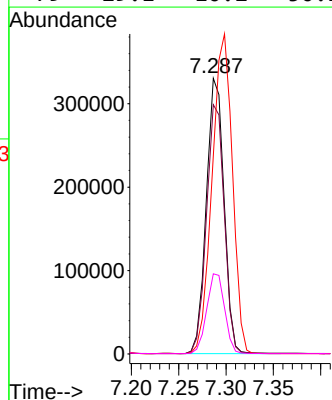
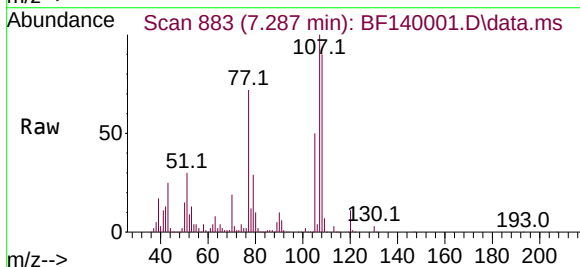
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

Tgt Ion: 70 Resp: 288756  
Ion Ratio Lower Upper  
70 100  
42 60.7 51.5 77.3  
101 9.8 7.5 11.3  
130 20.5 15.5 23.3

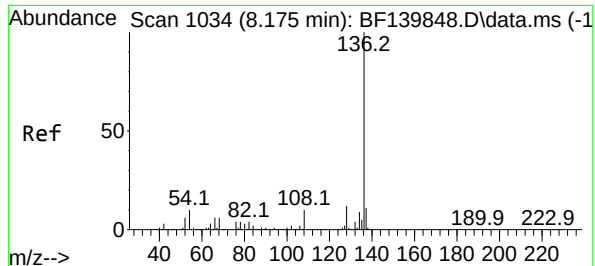


#20  
3+4-Methylphenols  
Concen: 37.117 ng  
RT: 7.287 min Scan# 883  
Delta R.T. 0.000 min  
Lab File: BF140001.D  
Acq: 24 Oct 2024 15:16

Tgt Ion: 107 Resp: 429485  
Ion Ratio Lower Upper  
107 100  
108 90.4 69.8 109.8  
77 71.9 50.5 90.5  
79 29.1 10.2 50.2







#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.175 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF140001.D

Acq: 24 Oct 2024 15:16

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

Tgt Ion:136 Resp: 593909

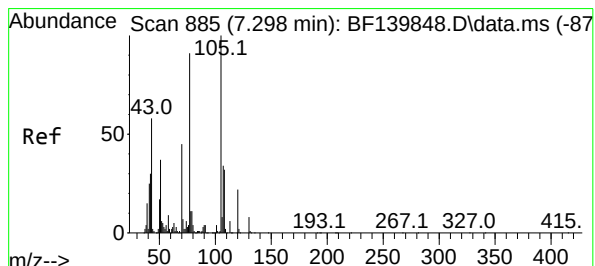
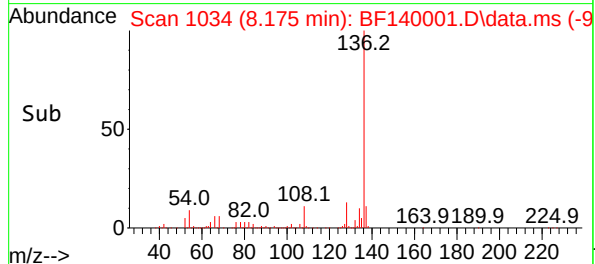
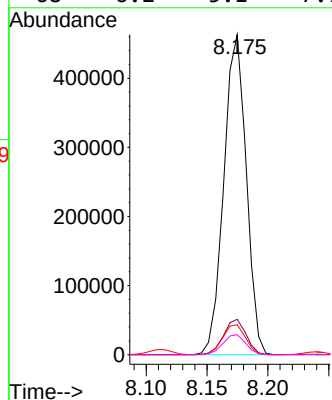
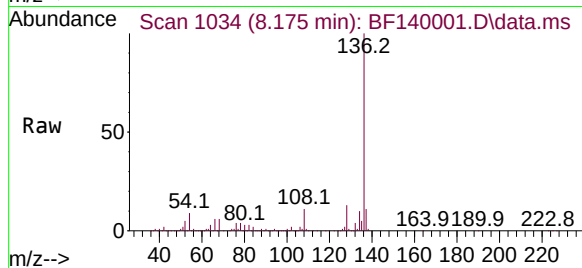
Ion Ratio Lower Upper

136 100

137 11.0 8.6 12.8

54 9.3 8.4 12.6

68 6.2 5.1 7.7



#22

Acetophenone

Concen: 38.519 ng

RT: 7.298 min Scan# 885

Delta R.T. 0.000 min

Lab File: BF140001.D

Acq: 24 Oct 2024 15:16

Tgt Ion:105 Resp: 560330

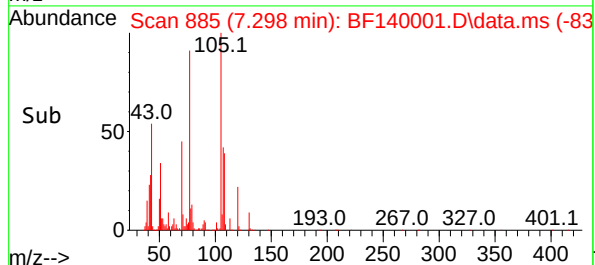
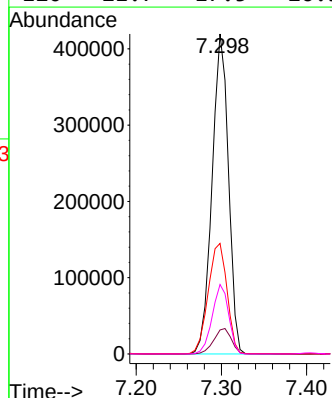
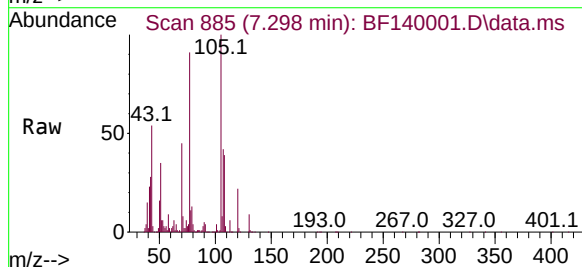
Ion Ratio Lower Upper

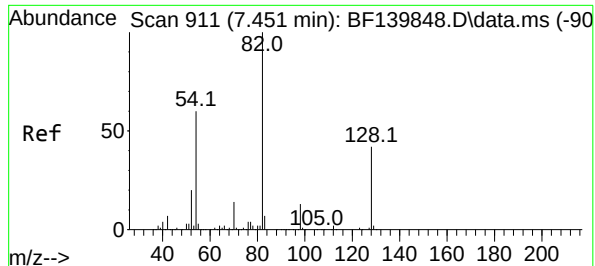
105 100

71 7.5 5.9 8.9

51 34.5 29.4 44.2

120 21.7 17.5 26.3





#23

Nitrobenzene-d5

Concen: 82.969 ng

RT: 7.451 min Scan# 911

Delta R.T. 0.000 min

Lab File: BF140001.D

Acq: 24 Oct 2024 15:16

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

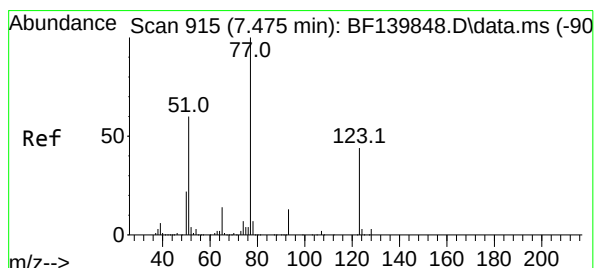
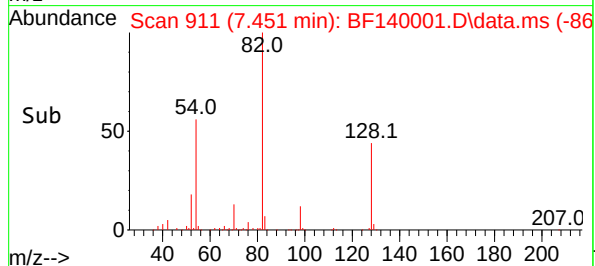
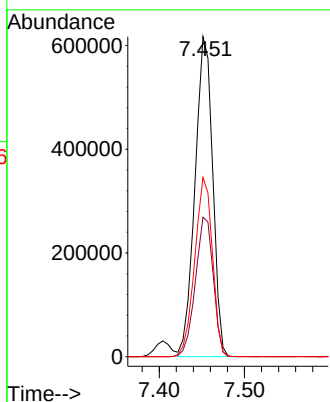
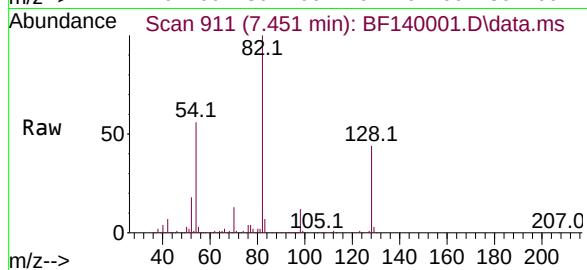
Tgt Ion: 82 Resp: 889079

Ion Ratio Lower Upper

82 100

128 43.6 33.4 50.0

54 56.0 47.8 71.8



#24

Nitrobenzene

Concen: 40.170 ng

RT: 7.475 min Scan# 915

Delta R.T. 0.000 min

Lab File: BF140001.D

Acq: 24 Oct 2024 15:16

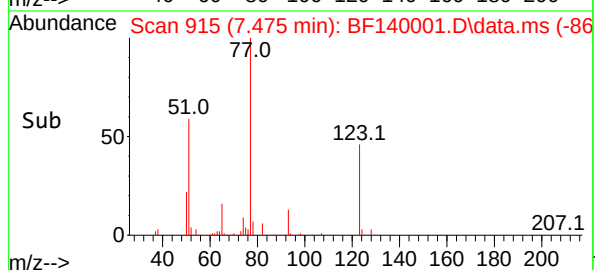
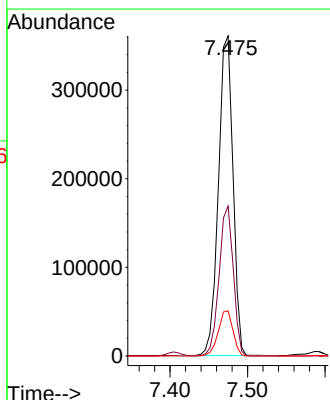
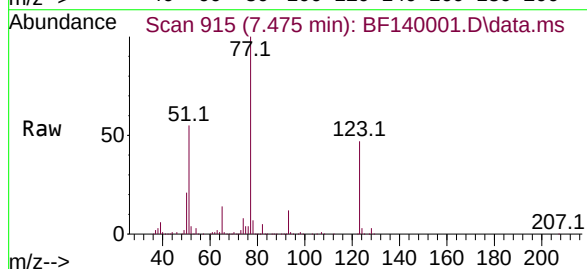
Tgt Ion: 77 Resp: 471946

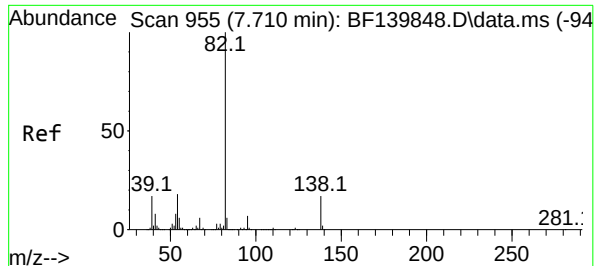
Ion Ratio Lower Upper

77 100

123 46.8 35.7 53.5

65 14.1 11.5 17.3

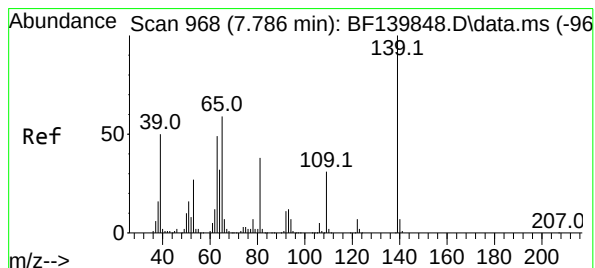
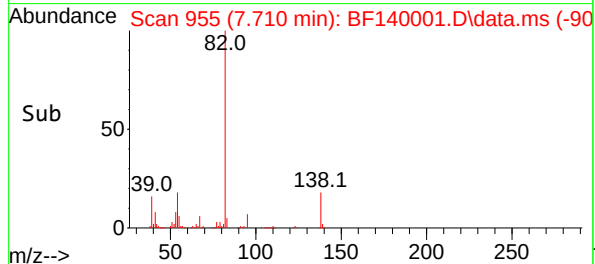
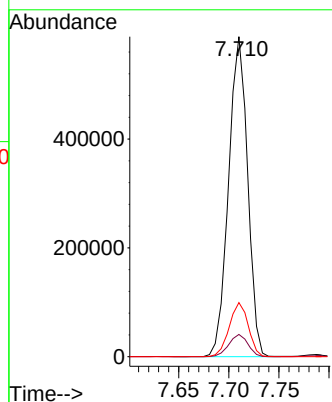
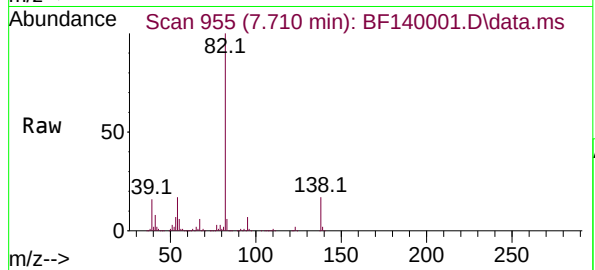




#25  
Isophorone  
Concen: 38.266 ng  
RT: 7.710 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: BF140001.D  
Acq: 24 Oct 2024 15:16

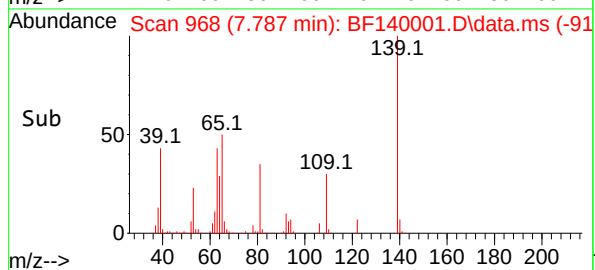
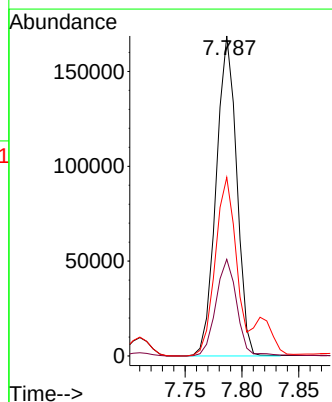
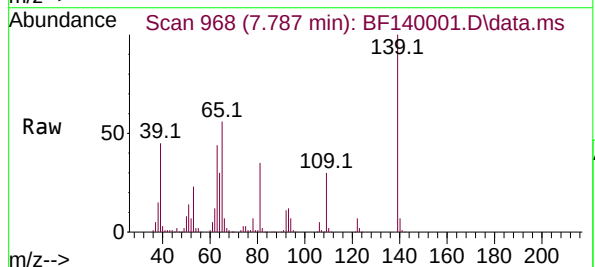
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

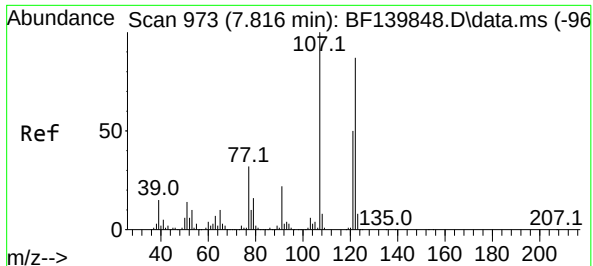
Tgt Ion: 82 Resp: 778277  
Ion Ratio Lower Upper  
82 100  
95 7.0 5.5 8.3  
138 16.9 13.2 19.8



#26  
2-Nitrophenol  
Concen: 47.835 ng  
RT: 7.787 min Scan# 968  
Delta R.T. 0.000 min  
Lab File: BF140001.D  
Acq: 24 Oct 2024 15:16

Tgt Ion:139 Resp: 212018  
Ion Ratio Lower Upper  
139 100  
109 30.2 25.1 37.7  
65 55.8 47.5 71.3





#27

2,4-Dimethylphenol

Concen: 38.208 ng

RT: 7.816 min Scan# 91

Delta R.T. 0.000 min

Lab File: BF140001.D

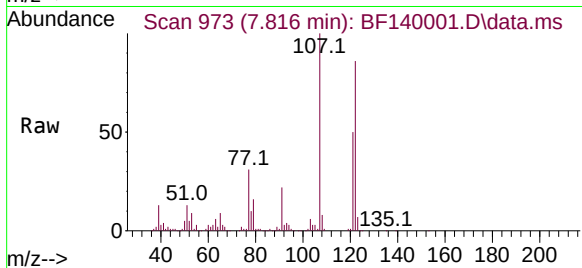
Acq: 24 Oct 2024 15:16

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040



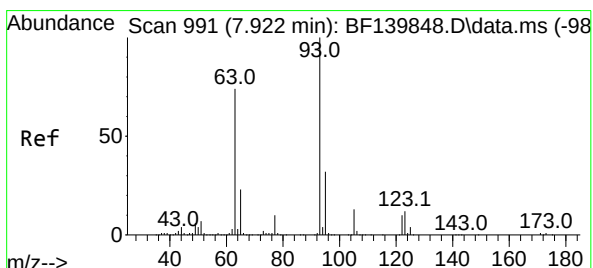
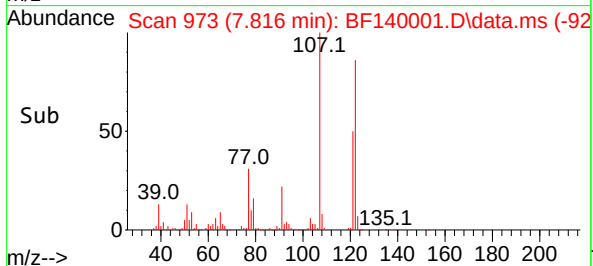
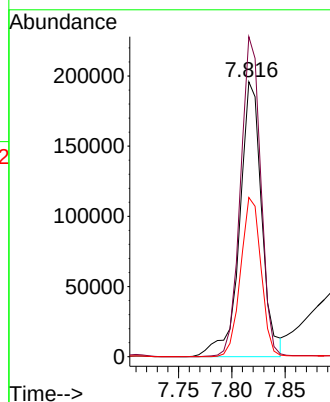
Tgt Ion:122 Resp: 282380

Ion Ratio Lower Upper

122 100

107 116.4 91.9 137.9

121 57.9 46.2 69.4



#28

bis(2-Chloroethoxy)methane

Concen: 39.197 ng

RT: 7.922 min Scan# 991

Delta R.T. 0.000 min

Lab File: BF140001.D

Acq: 24 Oct 2024 15:16

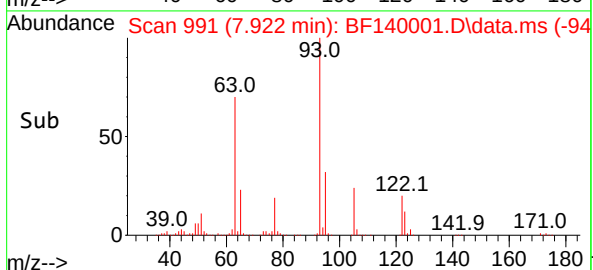
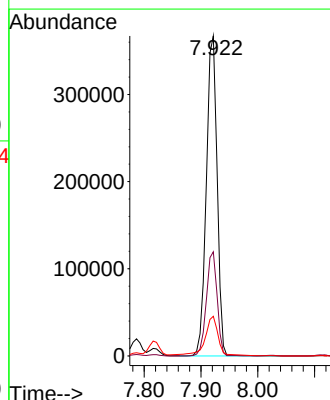
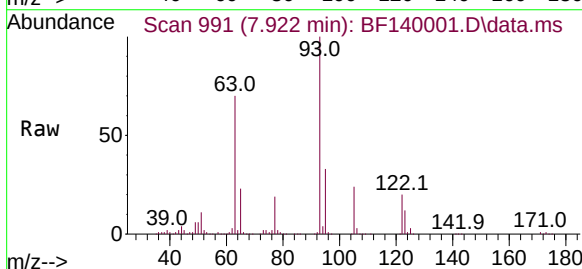
Tgt Ion: 93 Resp: 483000

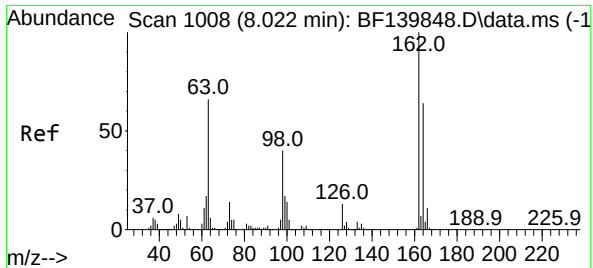
Ion Ratio Lower Upper

93 100

95 32.5 26.0 39.0

123 12.4 9.8 14.8





#29

2,4-Dichlorophenol

Concen: 40.223 ng

RT: 8.022 min Scan# 1008

Delta R.T. 0.000 min

Lab File: BF140001.D

Acq: 24 Oct 2024 15:16

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

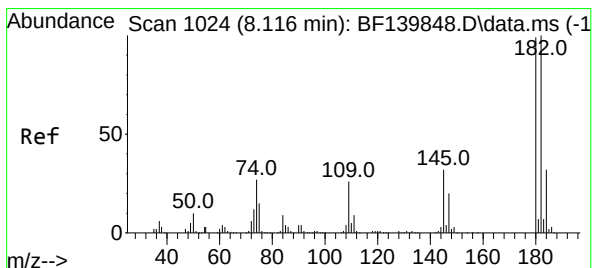
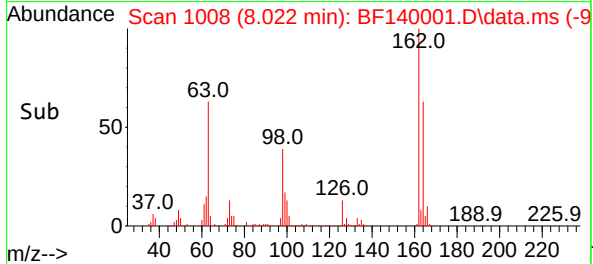
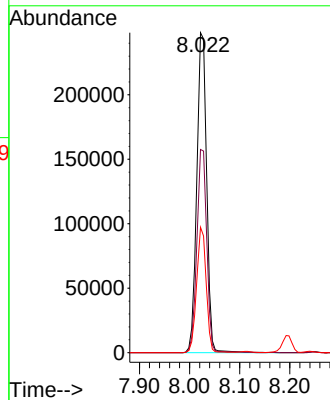
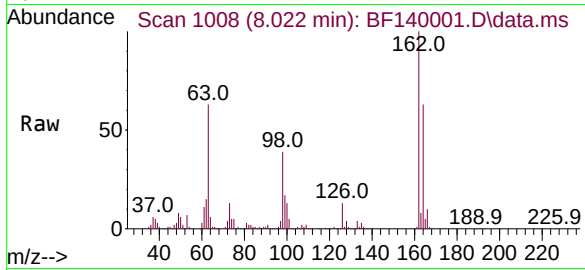
Tgt Ion:162 Resp: 338602

Ion Ratio Lower Upper

162 100

164 63.5 43.9 83.9

98 39.2 19.9 59.9



#30

1,2,4-Trichlorobenzene

Concen: 40.717 ng

RT: 8.116 min Scan# 1024

Delta R.T. 0.000 min

Lab File: BF140001.D

Acq: 24 Oct 2024 15:16

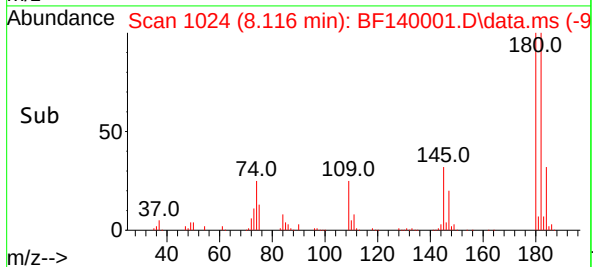
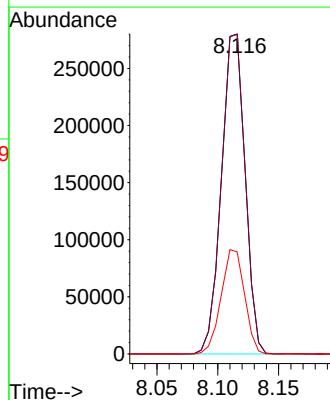
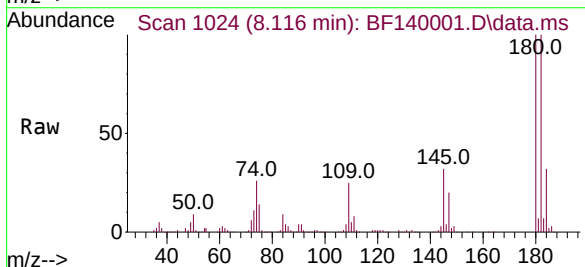
Tgt Ion:180 Resp: 379262

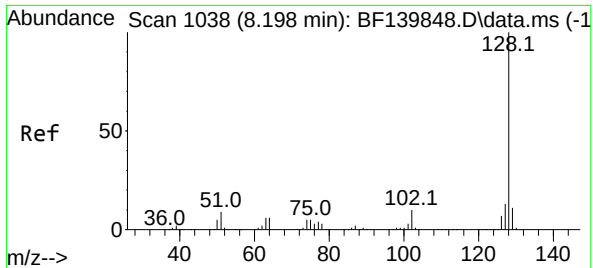
Ion Ratio Lower Upper

180 100

182 99.9 80.5 120.7

145 31.9 25.4 38.0





#31

Naphthalene

Concen: 39.358 ng

RT: 8.192 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF140001.D

Acq: 24 Oct 2024 15:16

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

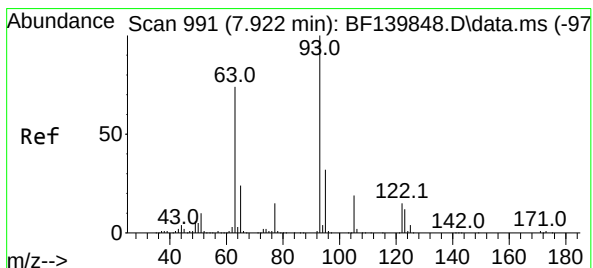
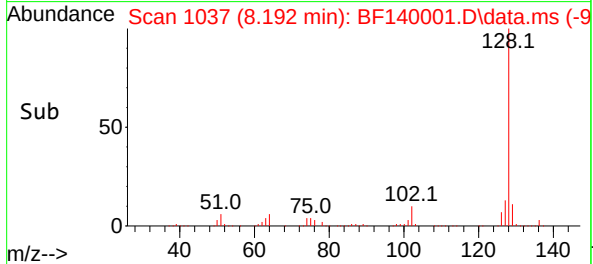
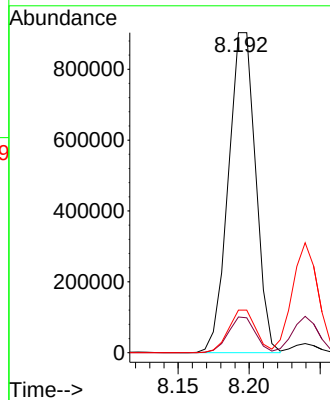
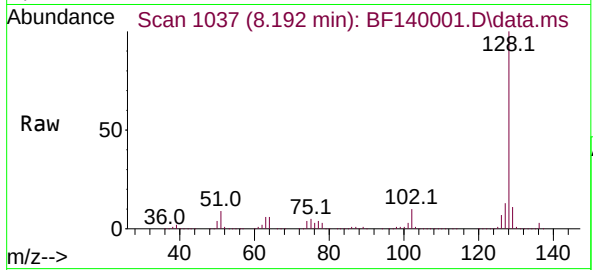
Tgt Ion:128 Resp: 1205536

Ion Ratio Lower Upper

128 100

129 11.2 8.9 13.3

127 13.3 10.6 16.0



#32

Benzoic acid

Concen: 44.404 ng

RT: 7.922 min Scan# 991

Delta R.T. -0.000 min

Lab File: BF140001.D

Acq: 24 Oct 2024 15:16

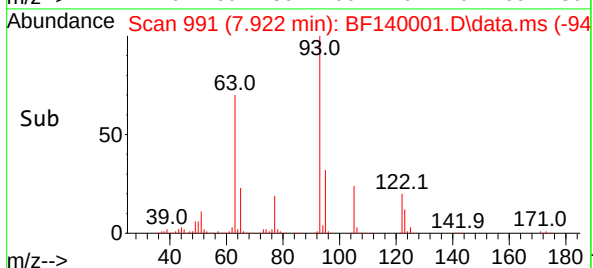
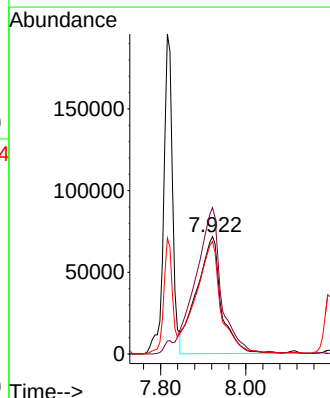
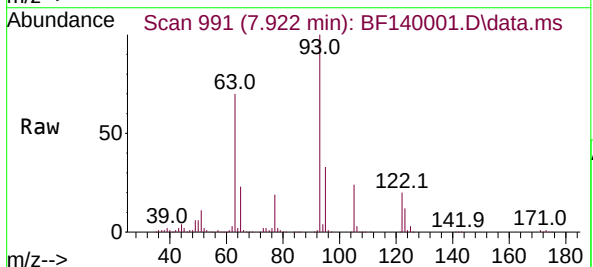
Tgt Ion:122 Resp: 286230

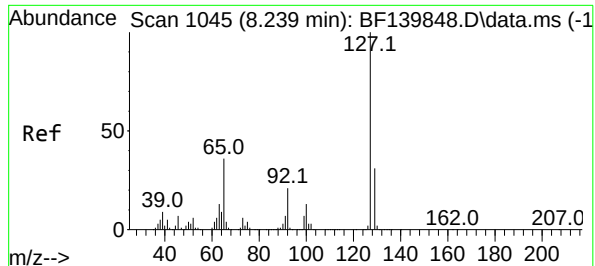
Ion Ratio Lower Upper

122 100

105 124.9 107.6 147.6

77 96.0 80.2 120.2





#33

4-Chloroaniline

Concen: 38.210 ng

RT: 8.239 min Scan# 1045

Delta R.T. 0.000 min

Lab File: BF140001.D

Acq: 24 Oct 2024 15:16

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

Tgt Ion:127 Resp: 399083

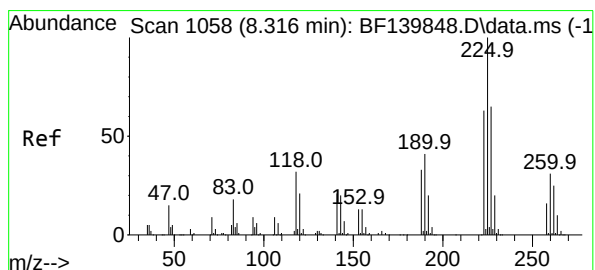
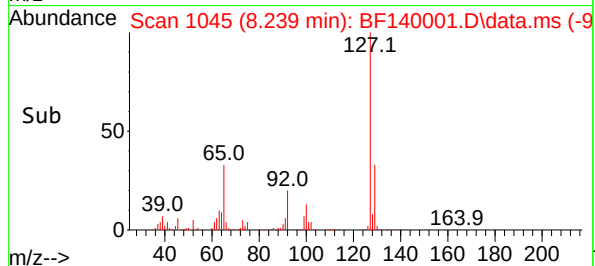
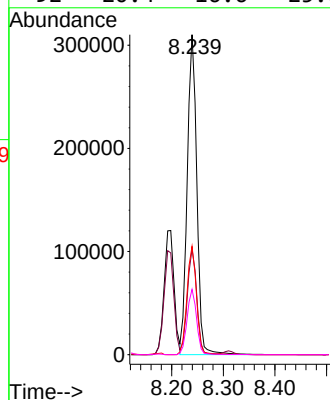
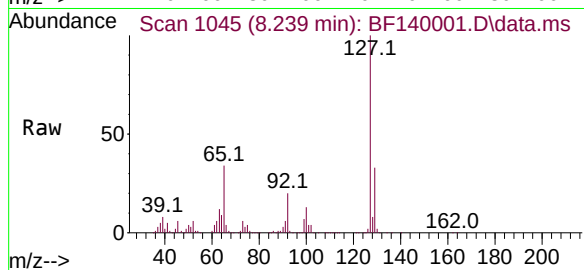
Ion Ratio Lower Upper

127 100

129 33.1 25.4 38.2

65 33.8 28.4 42.6

92 20.4 16.6 25.0



#34

Hexachlorobutadiene

Concen: 41.298 ng

RT: 8.310 min Scan# 1057

Delta R.T. -0.006 min

Lab File: BF140001.D

Acq: 24 Oct 2024 15:16

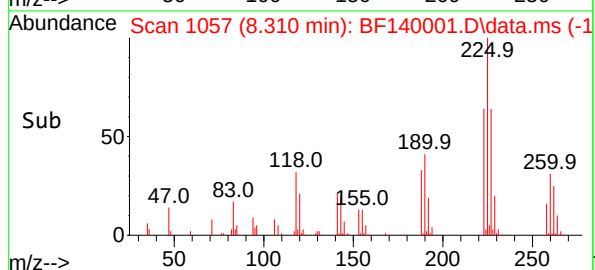
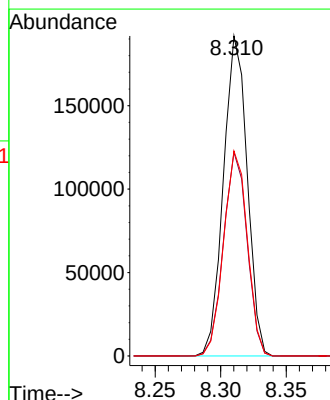
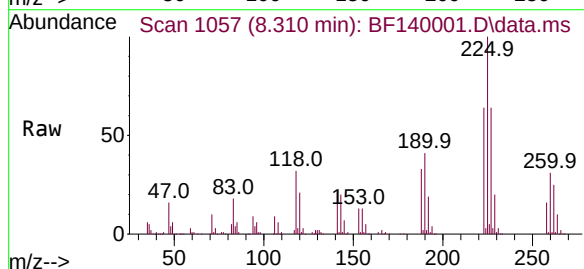
Tgt Ion:225 Resp: 241696

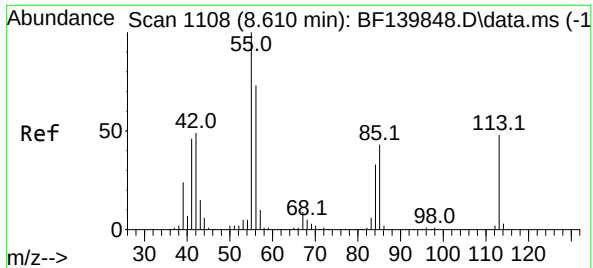
Ion Ratio Lower Upper

225 100

223 63.6 50.6 76.0

227 64.1 51.8 77.8

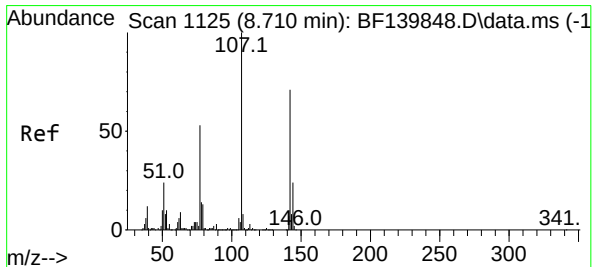
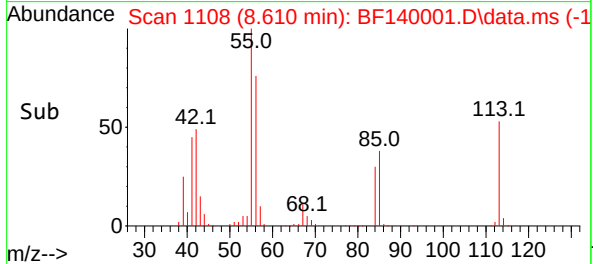
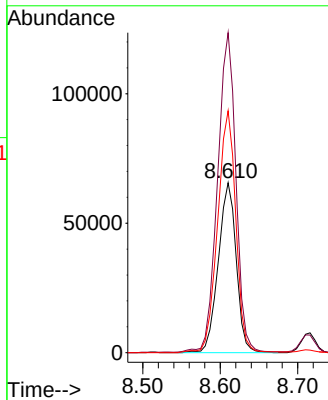
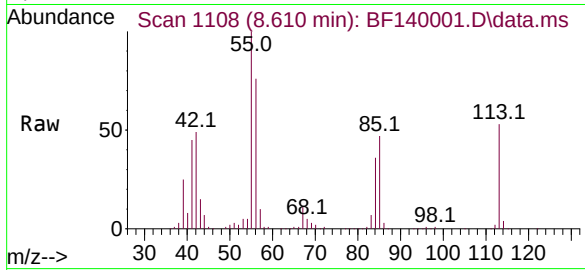




#35  
 Caprolactam  
 Concen: 39.419 ng  
 RT: 8.610 min Scan# 1108  
 Delta R.T. 0.000 min  
 Lab File: BF140001.D  
 Acq: 24 Oct 2024 15:16

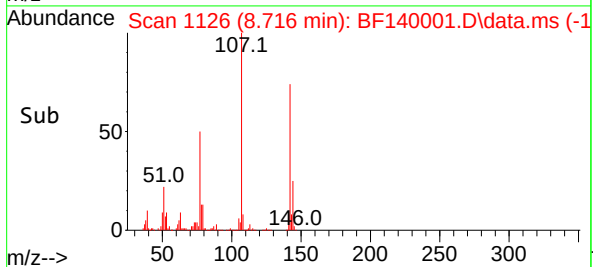
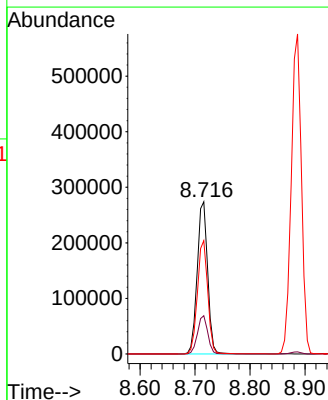
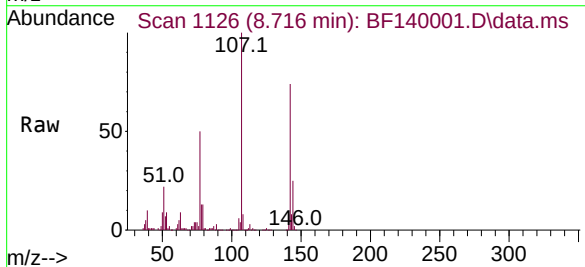
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDCCC040

Tgt Ion:113 Resp: 105511  
 Ion Ratio Lower Upper  
 113 100  
 55 188.2 189.2 229.2#  
 56 142.4 132.5 172.5

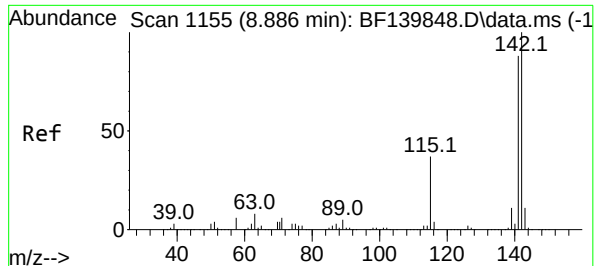


#36  
 4-Chloro-3-methylphenol  
 Concen: 38.961 ng  
 RT: 8.716 min Scan# 1126  
 Delta R.T. 0.006 min  
 Lab File: BF140001.D  
 Acq: 24 Oct 2024 15:16

Tgt Ion:107 Resp: 363168  
 Ion Ratio Lower Upper  
 107 100  
 144 25.2 19.1 28.7  
 142 74.5 57.2 85.8







#37

2-Methylnaphthalene

Concen: 39.467 ng

RT: 8.886 min Scan# 1155

Delta R.T. 0.000 min

Lab File: BF140001.D

Acq: 24 Oct 2024 15:16

Instrument :

BNA\_F

ClientSampleId :

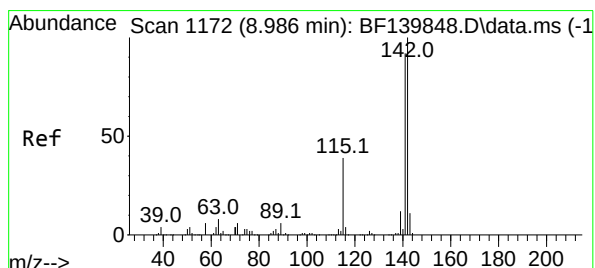
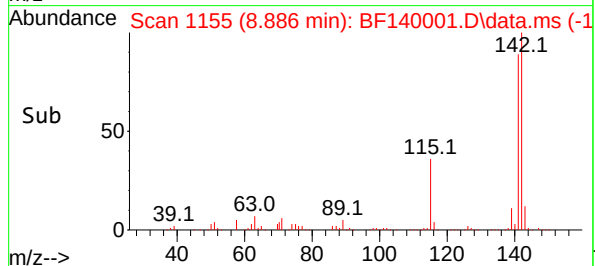
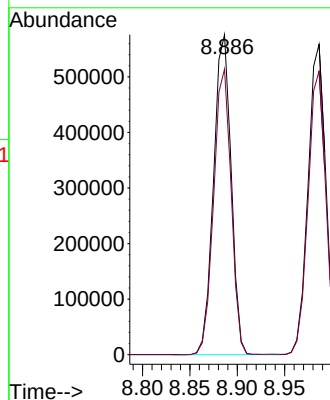
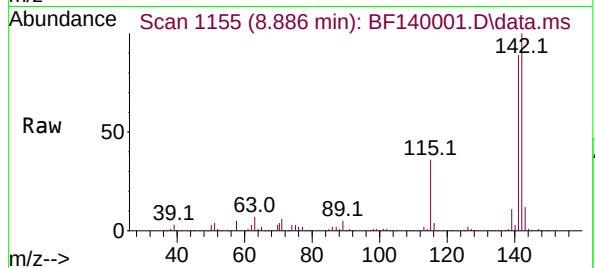
SSTDCCC040

Tgt Ion:142 Resp: 740369

Ion Ratio Lower Upper

142 100

141 89.2 70.8 106.2



#38

1-Methylnaphthalene

Concen: 39.253 ng

RT: 8.986 min Scan# 1172

Delta R.T. 0.000 min

Lab File: BF140001.D

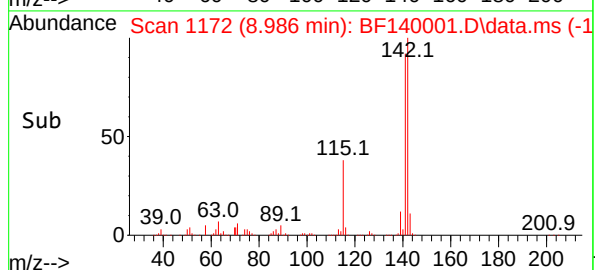
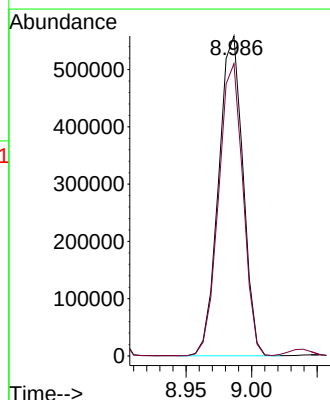
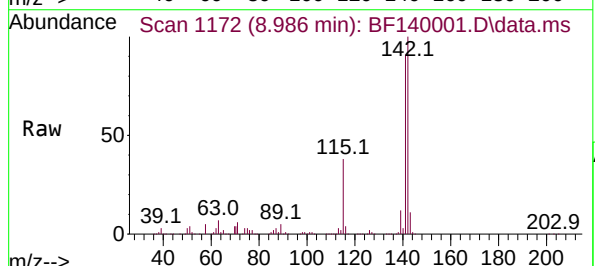
Acq: 24 Oct 2024 15:16

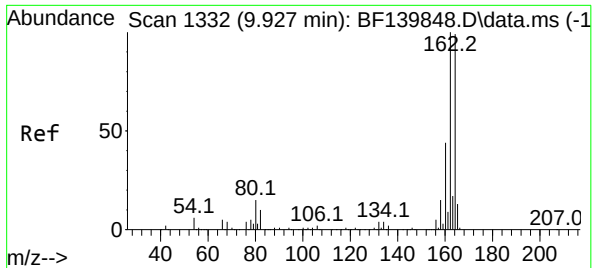
Tgt Ion:142 Resp: 722456

Ion Ratio Lower Upper

142 100

141 91.3 73.5 110.3

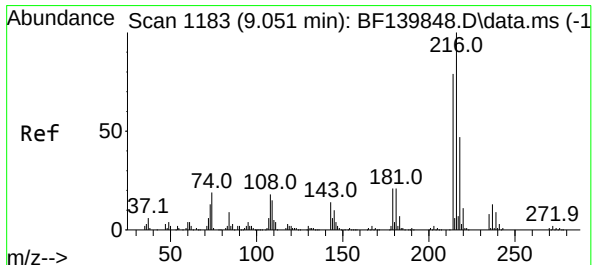
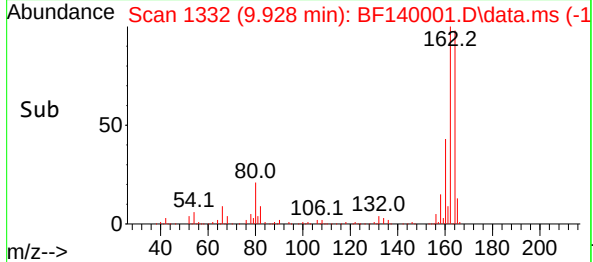
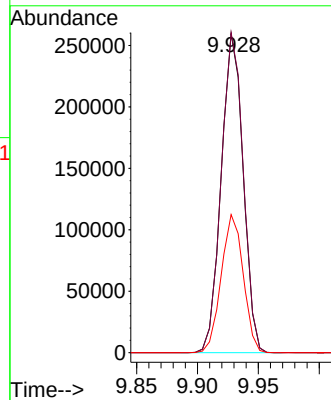
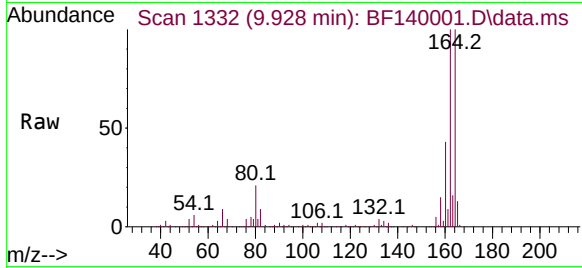




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.928 min Scan# 1183  
Delta R.T. 0.001 min  
Lab File: BF140001.D  
Acq: 24 Oct 2024 15:16

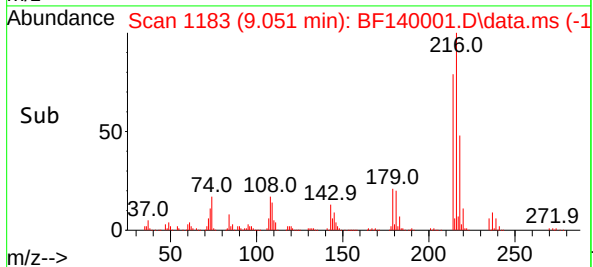
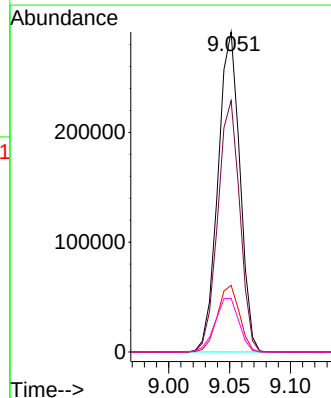
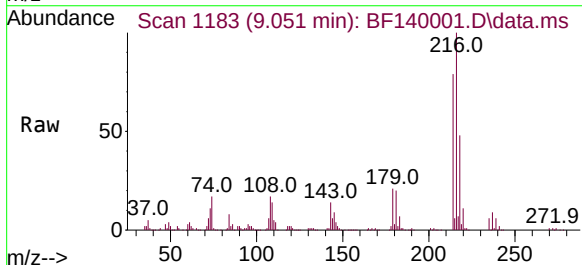
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

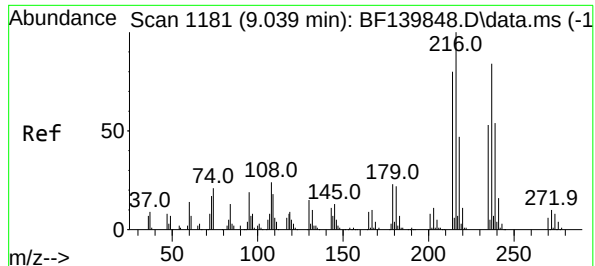
Tgt Ion:164 Resp: 325446  
Ion Ratio Lower Upper  
164 100  
162 100.3 81.0 121.4  
160 43.3 35.4 53.0



#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 41.507 ng  
RT: 9.051 min Scan# 1183  
Delta R.T. 0.000 min  
Lab File: BF140001.D  
Acq: 24 Oct 2024 15:16

Tgt Ion:216 Resp: 364431  
Ion Ratio Lower Upper  
216 100  
214 78.6 63.4 95.0  
179 21.0 17.2 25.8  
108 18.2 15.6 23.4

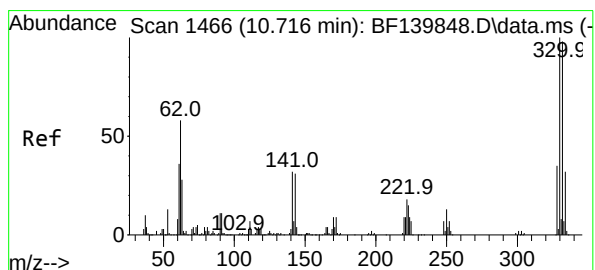
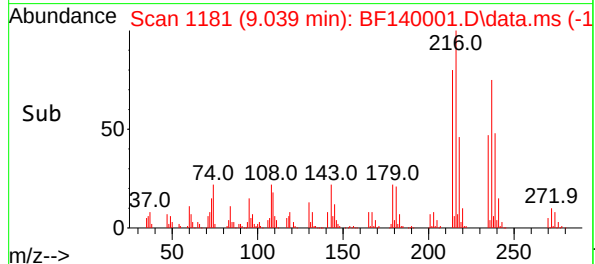
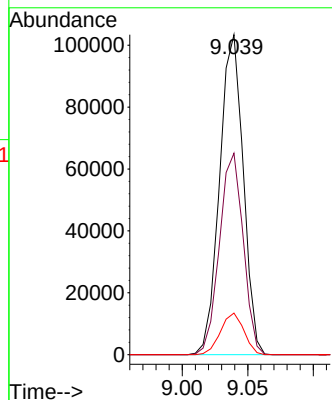
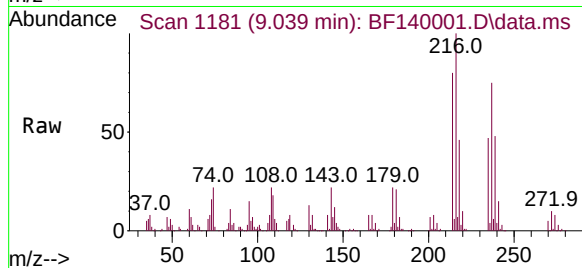




#41  
Hexachlorocyclopentadiene  
Concen: 42.369 ng  
RT: 9.039 min Scan# 1181  
Delta R.T. 0.000 min  
Lab File: BF140001.D  
Acq: 24 Oct 2024 15:16

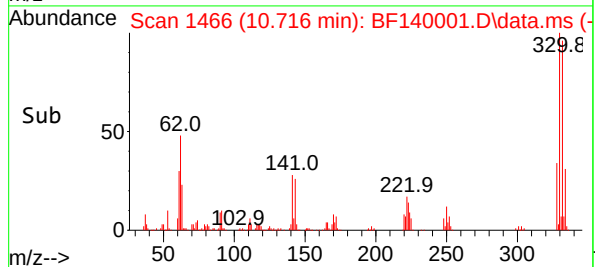
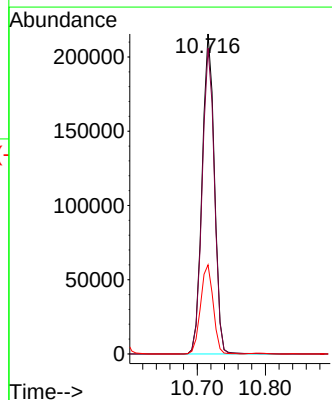
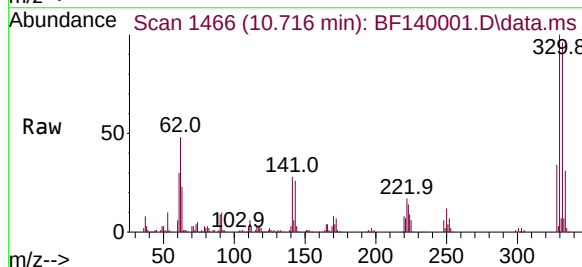
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

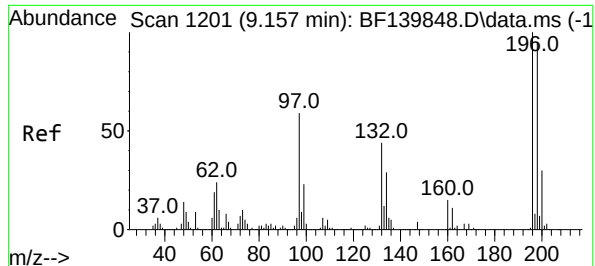
Tgt Ion:237 Resp: 129438  
Ion Ratio Lower Upper  
237 100  
235 63.0 42.9 82.9  
272 13.0 0.0 32.3



#42  
2,4,6-Tribromophenol  
Concen: 88.611 ng  
RT: 10.716 min Scan# 1466  
Delta R.T. 0.000 min  
Lab File: BF140001.D  
Acq: 24 Oct 2024 15:16

Tgt Ion:330 Resp: 269743  
Ion Ratio Lower Upper  
330 100  
332 95.6 78.1 117.1  
141 28.6 26.6 39.8





#43

2,4,6-Trichlorophenol

Concen: 40.531 ng

RT: 9.157 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF140001.D

Acq: 24 Oct 2024 15:16

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

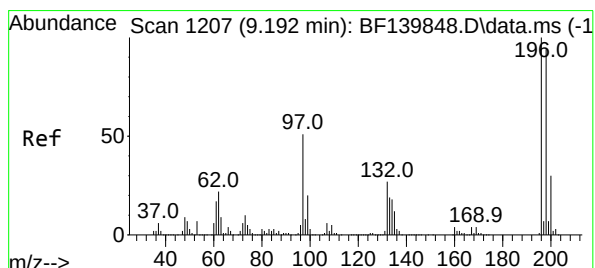
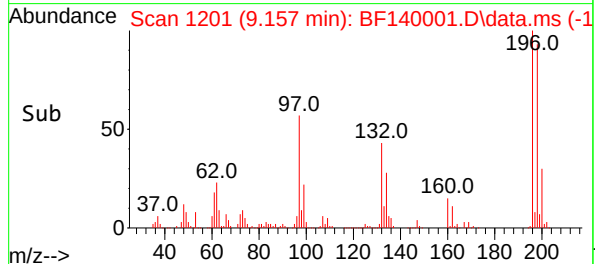
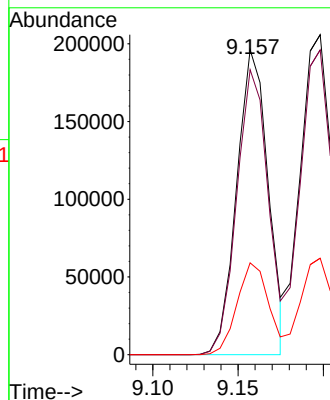
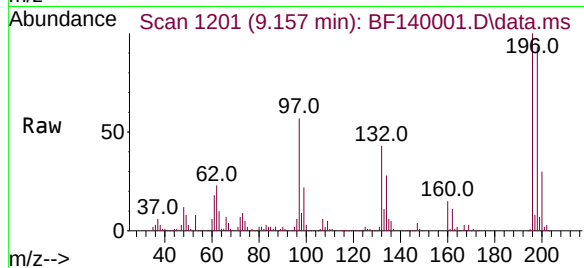
Tgt Ion:196 Resp: 251948

Ion Ratio Lower Upper

196 100

198 93.4 76.2 114.2

200 30.1 24.0 36.0



#44

2,4,5-Trichlorophenol

Concen: 42.166 ng

RT: 9.198 min Scan# 1208

Delta R.T. 0.006 min

Lab File: BF140001.D

Acq: 24 Oct 2024 15:16

Tgt Ion:196 Resp: 270426

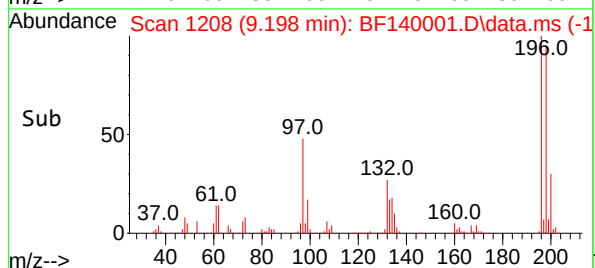
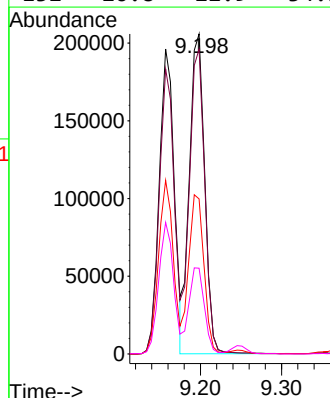
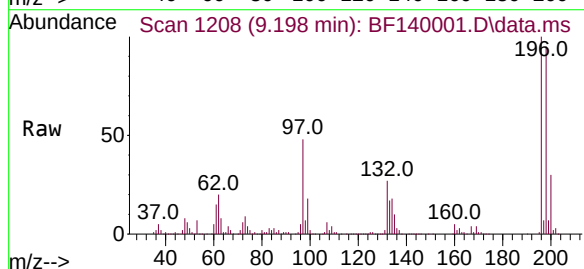
Ion Ratio Lower Upper

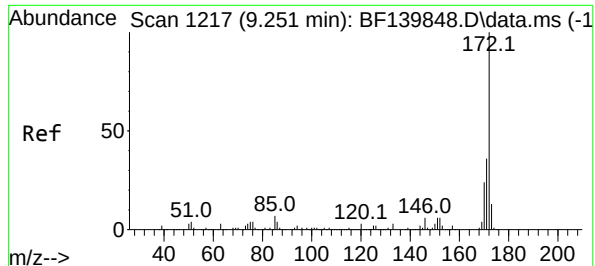
196 100

198 95.2 75.8 113.6

97 48.4 41.8 62.6

132 26.8 22.9 34.3





#45

2-Fluorobiphenyl

Concen: 79.111 ng

RT: 9.245 min Scan# 1216

Delta R.T. -0.006 min

Lab File: BF140001.D

Acq: 24 Oct 2024 15:16

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

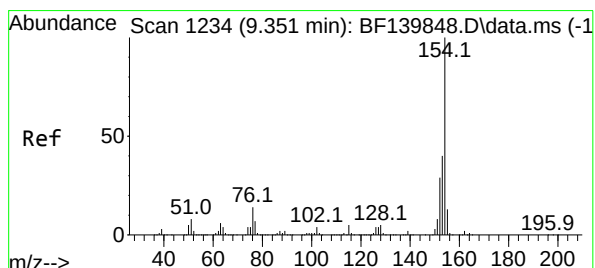
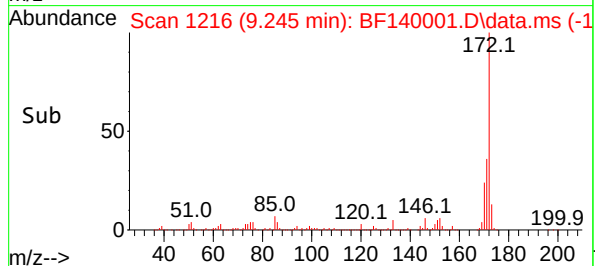
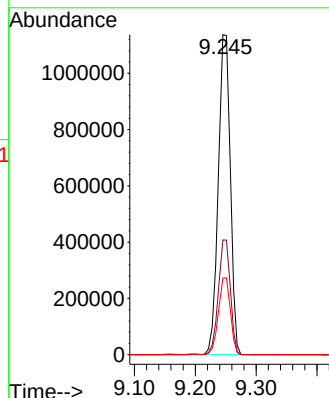
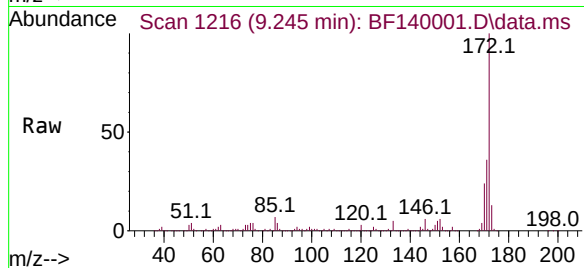
Tgt Ion:172 Resp: 1557843

Ion Ratio Lower Upper

172 100

171 35.9 28.6 43.0

170 23.9 19.1 28.7



#46

1,1'-Biphenyl

Concen: 40.017 ng

RT: 9.351 min Scan# 1234

Delta R.T. 0.000 min

Lab File: BF140001.D

Acq: 24 Oct 2024 15:16

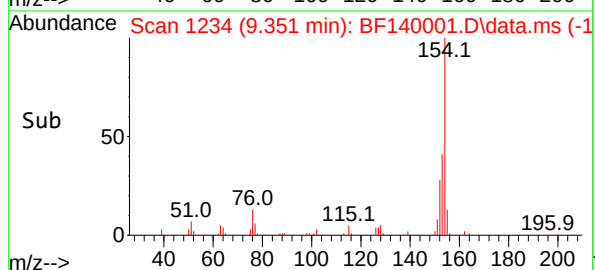
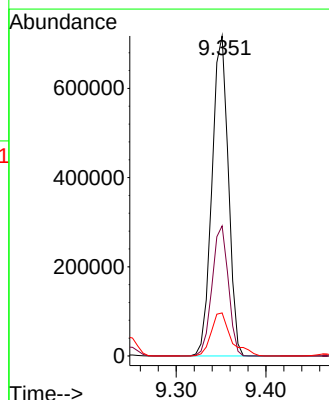
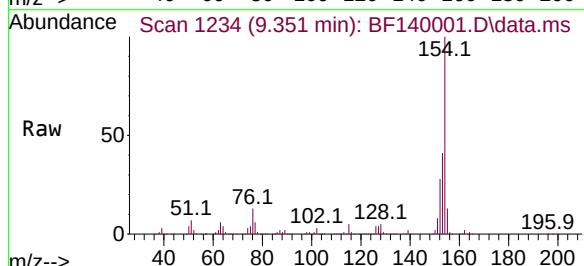
Tgt Ion:154 Resp: 906616

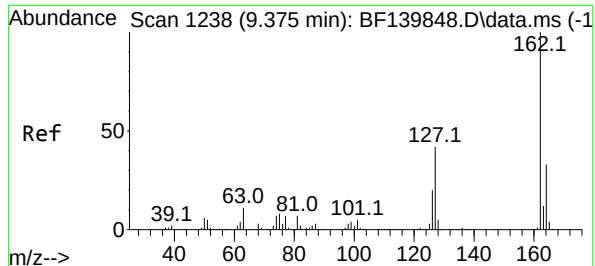
Ion Ratio Lower Upper

154 100

153 40.6 20.3 60.3

76 13.5 0.0 33.9





#47

2-Chloronaphthalene

Concen: 40.195 ng

RT: 9.375 min Scan# 1238

Delta R.T. 0.000 min

Lab File: BF140001.D

Acq: 24 Oct 2024 15:16

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

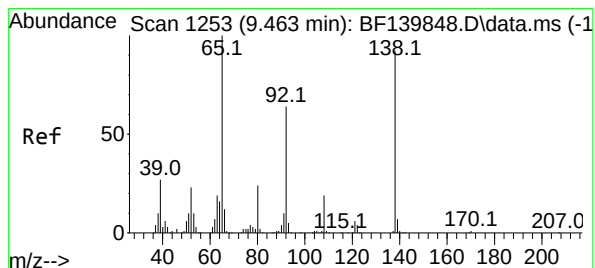
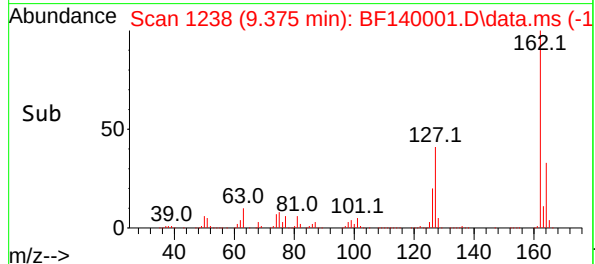
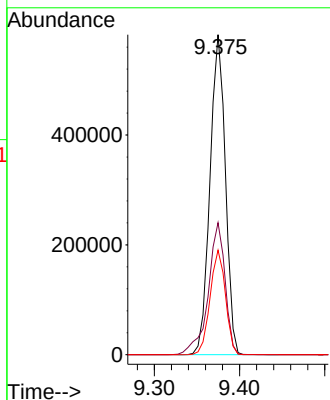
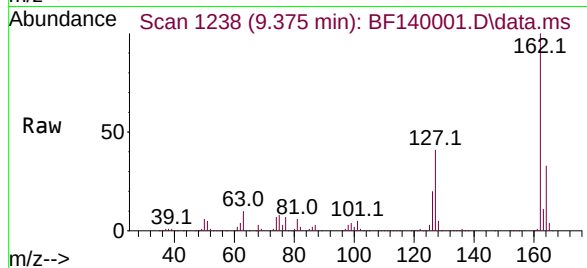
Tgt Ion:162 Resp: 733451

Ion Ratio Lower Upper

162 100

127 41.3 33.8 50.6

164 32.6 26.6 39.8



#48

2-Nitroaniline

Concen: 42.983 ng

RT: 9.463 min Scan# 1253

Delta R.T. 0.000 min

Lab File: BF140001.D

Acq: 24 Oct 2024 15:16

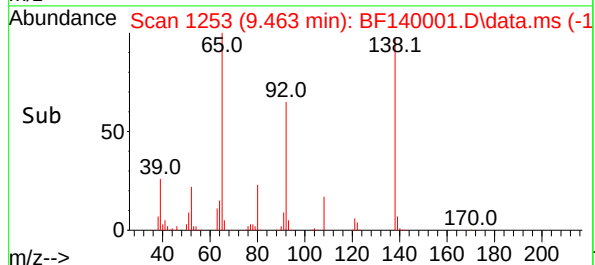
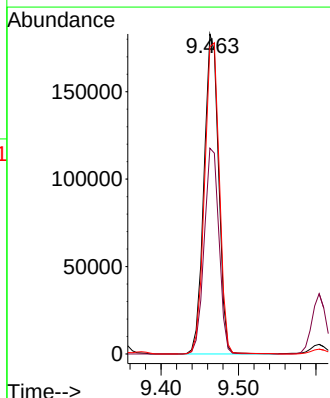
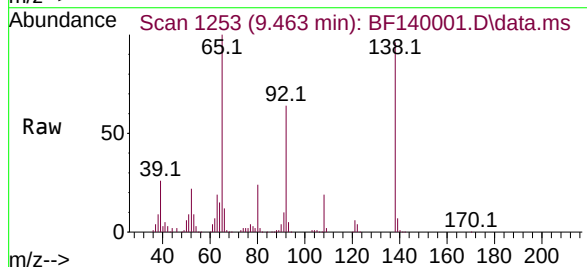
Tgt Ion: 65 Resp: 239883

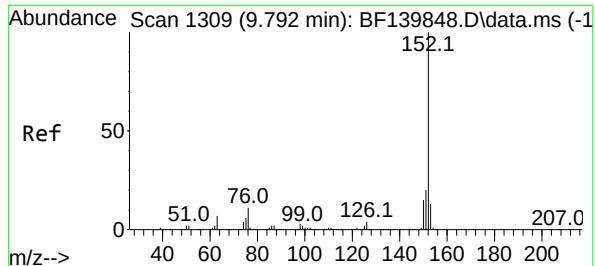
Ion Ratio Lower Upper

65 100

92 64.3 50.9 76.3

138 96.0 73.4 110.0





#49

Acenaphthylene

Concen: 39.476 ng

RT: 9.792 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF140001.D

Acq: 24 Oct 2024 15:16

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

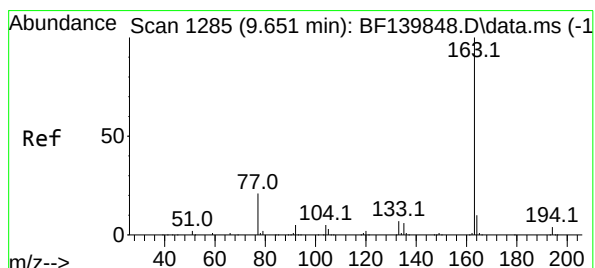
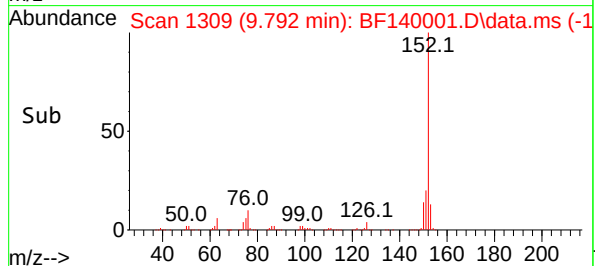
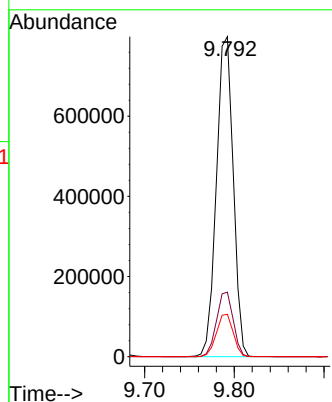
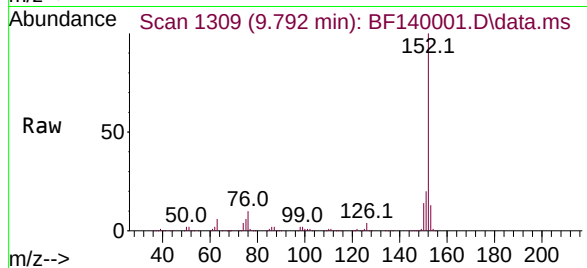
Tgt Ion:152 Resp: 1041391

Ion Ratio Lower Upper

152 100

151 20.1 15.9 23.9

153 13.3 10.7 16.1



#50

Dimethylphthalate

Concen: 39.563 ng

RT: 9.645 min Scan# 1284

Delta R.T. -0.006 min

Lab File: BF140001.D

Acq: 24 Oct 2024 15:16

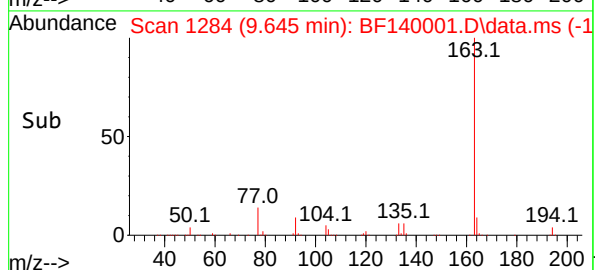
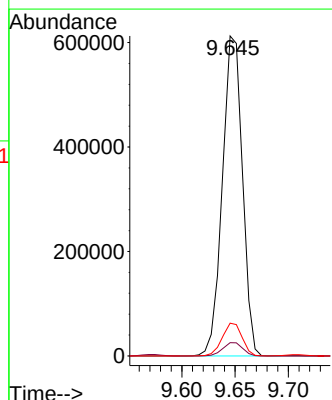
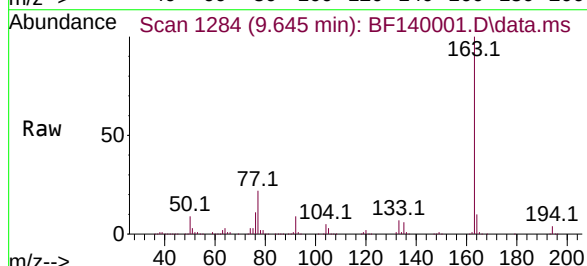
Tgt Ion:163 Resp: 801985

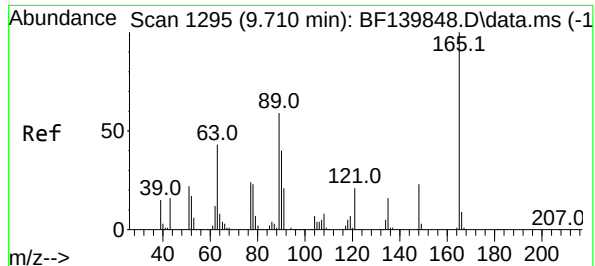
Ion Ratio Lower Upper

163 100

194 4.2 3.4 5.0

164 10.3 8.2 12.2





#51

2,6-Dinitrotoluene

Concen: 43.315 ng

RT: 9.710 min Scan# 1295

Delta R.T. 0.000 min

Lab File: BF140001.D

Acq: 24 Oct 2024 15:16

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

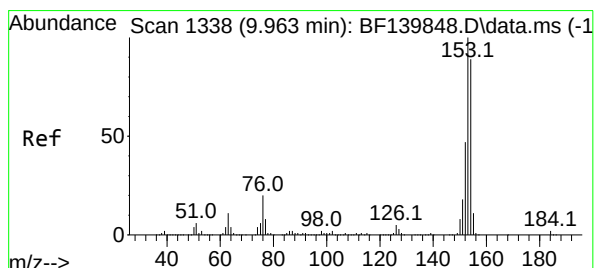
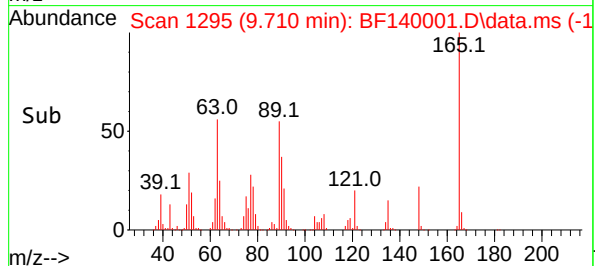
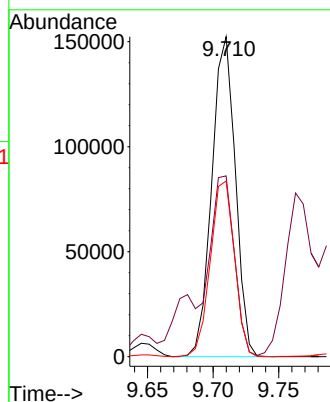
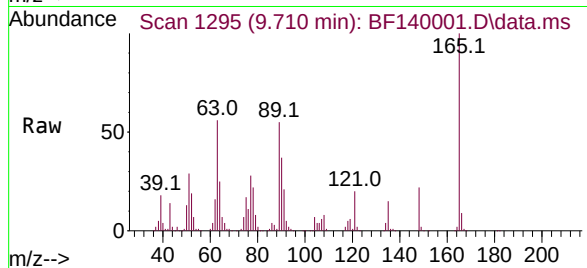
Tgt Ion:165 Resp: 190116

Ion Ratio Lower Upper

165 100

63 56.5 50.6 75.8

89 54.9 47.5 71.3



#52

Acenaphthene

Concen: 40.473 ng

RT: 9.963 min Scan# 1338

Delta R.T. 0.000 min

Lab File: BF140001.D

Acq: 24 Oct 2024 15:16

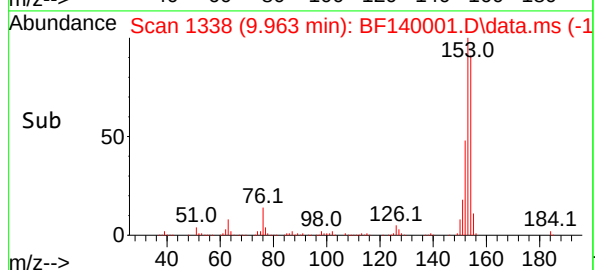
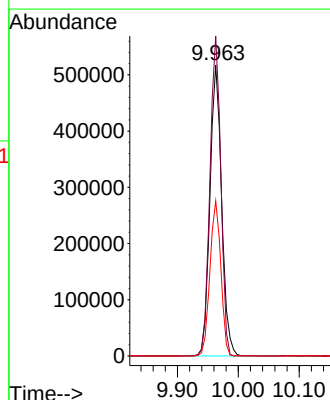
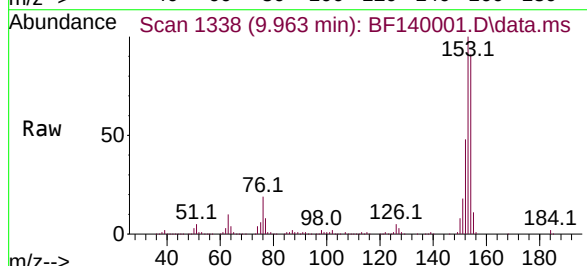
Tgt Ion:154 Resp: 690672

Ion Ratio Lower Upper

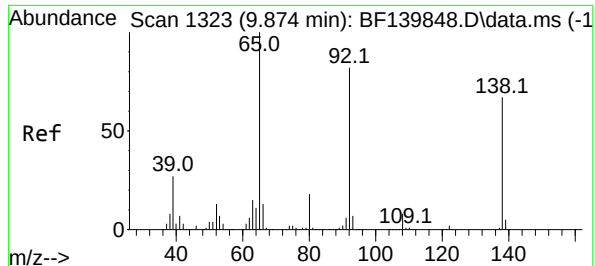
154 100

153 110.0 89.8 134.6

152 53.3 42.4 63.6







#53

3-Nitroaniline

Concen: 41.030 ng

RT: 9.875 min Scan# 1323

Delta R.T. 0.000 min

Lab File: BF140001.D

Acq: 24 Oct 2024 15:16

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

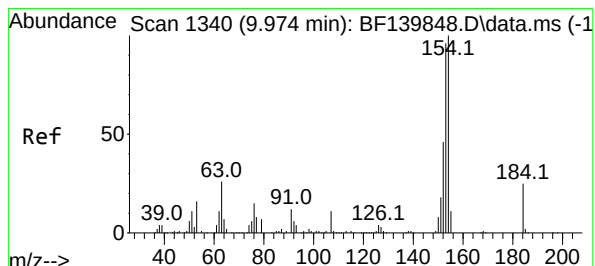
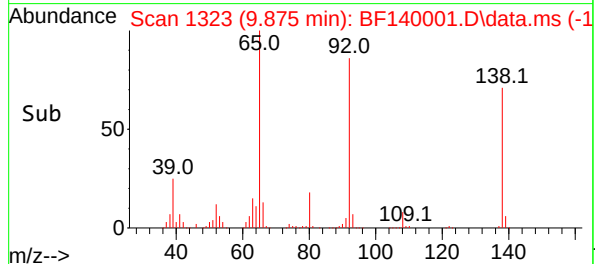
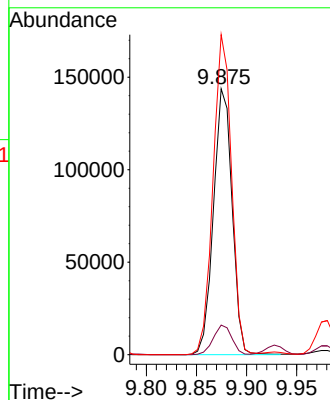
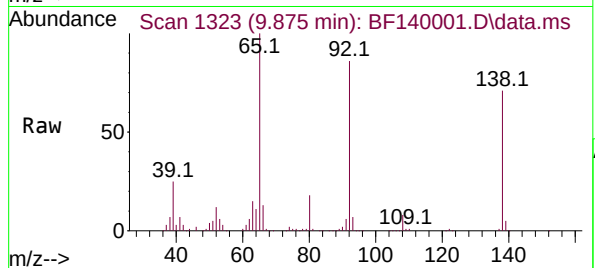
Tgt Ion:138 Resp: 185713

Ion Ratio Lower Upper

138 100

108 11.1 10.2 15.2

92 120.3 98.3 147.5



#54

2,4-Dinitrophenol

Concen: 52.914 ng

RT: 9.980 min Scan# 1341

Delta R.T. 0.006 min

Lab File: BF140001.D

Acq: 24 Oct 2024 15:16

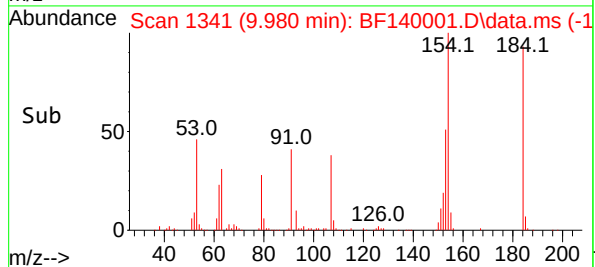
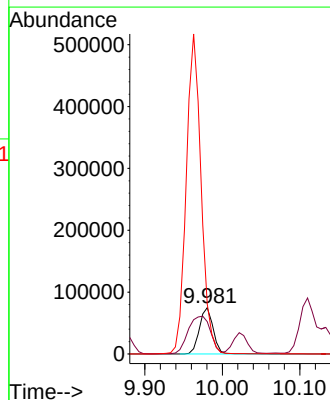
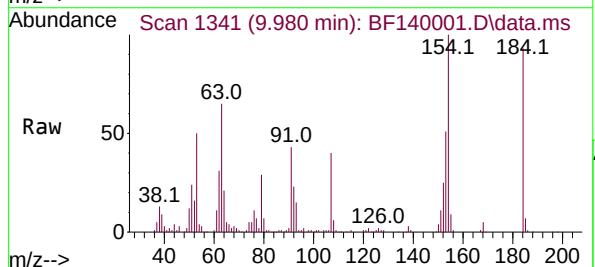
Tgt Ion:184 Resp: 92106

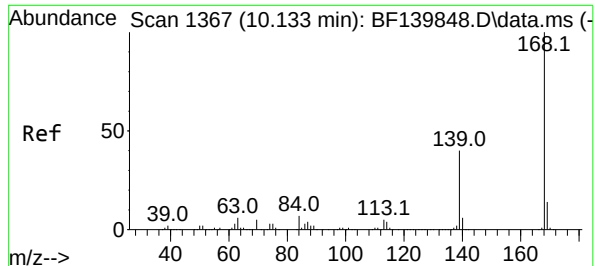
Ion Ratio Lower Upper

184 100

63 70.0 84.7 127.1#

154 107.9 338.2 507.2#





#55

Dibenzenofuran

Concen: 39.406 ng

RT: 10.133 min Scan# 1367

Delta R.T. 0.000 min

Lab File: BF140001.D

Acq: 24 Oct 2024 15:16

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

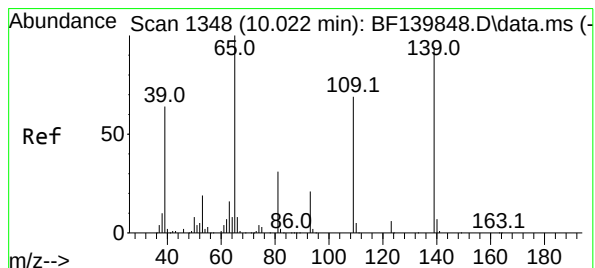
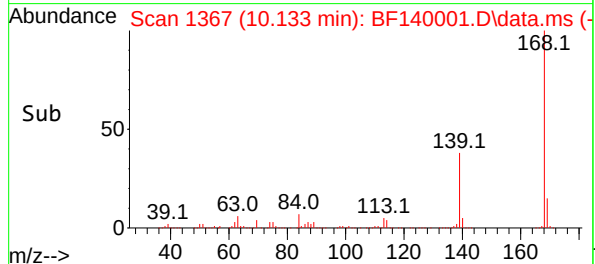
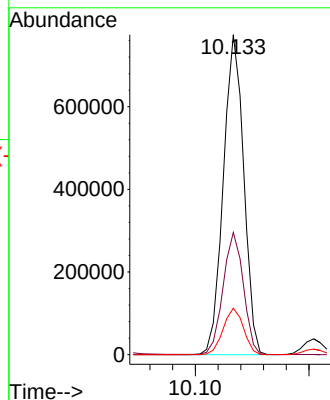
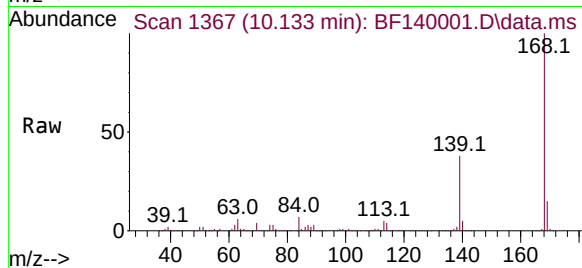
Tgt Ion:168 Resp: 964830

Ion Ratio Lower Upper

168 100

139 38.2 31.8 47.6

169 14.6 11.6 17.4



#56

4-Nitrophenol

Concen: 40.368 ng

RT: 10.022 min Scan# 1348

Delta R.T. 0.000 min

Lab File: BF140001.D

Acq: 24 Oct 2024 15:16

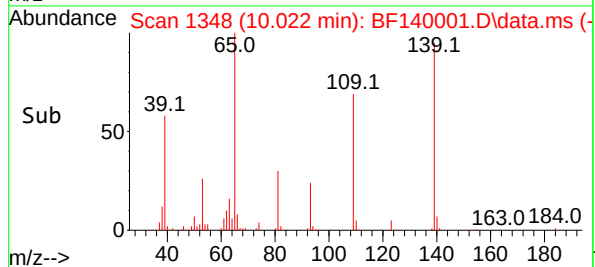
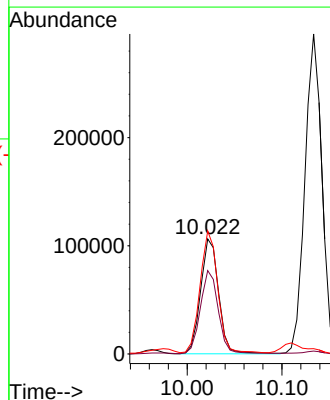
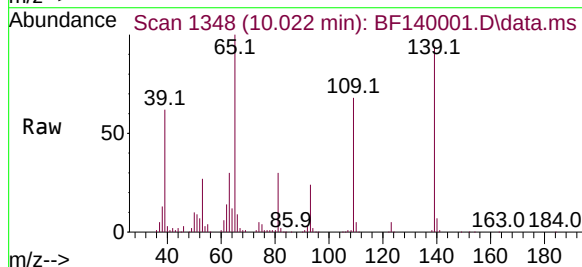
Tgt Ion:139 Resp: 140574

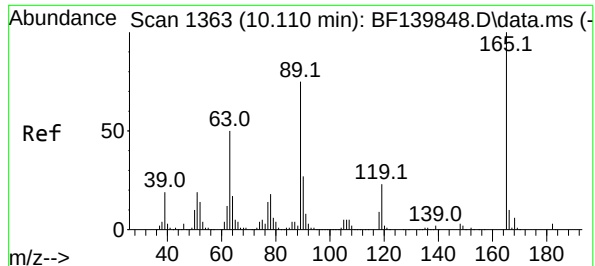
Ion Ratio Lower Upper

139 100

109 72.4 53.6 93.6

65 106.9 87.8 127.8





#57

2,4-Dinitrotoluene

Concen: 44.750 ng

RT: 10.110 min Scan# 1363

Delta R.T. 0.000 min

Lab File: BF140001.D

Acq: 24 Oct 2024 15:16

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

Tgt Ion:165 Resp: 241540

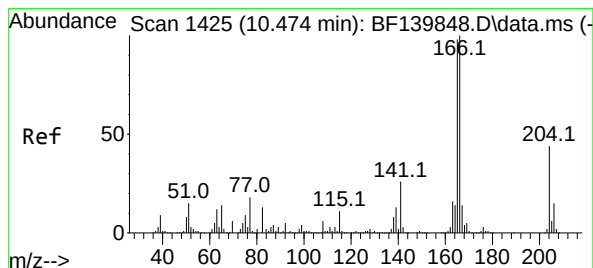
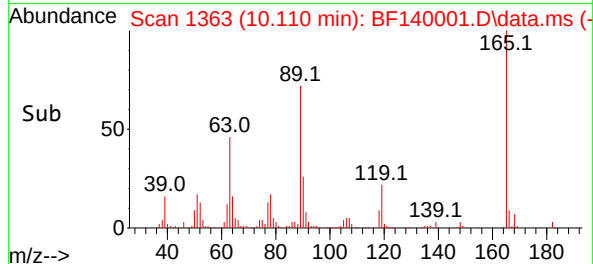
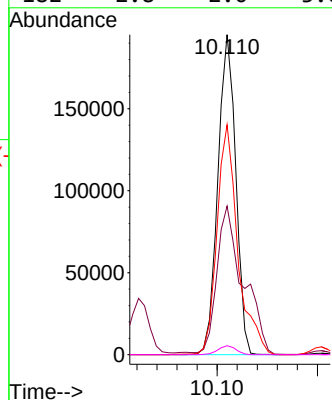
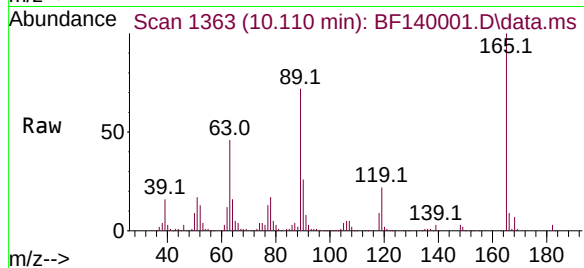
Ion Ratio Lower Upper

165 100

63 46.5 40.1 60.1

89 71.9 60.4 90.6

182 2.8 2.0 3.0



#58

Fluorene

Concen: 38.903 ng

RT: 10.475 min Scan# 1425

Delta R.T. 0.000 min

Lab File: BF140001.D

Acq: 24 Oct 2024 15:16

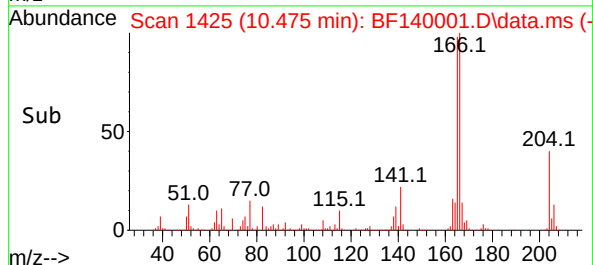
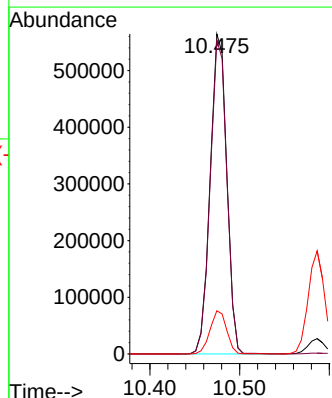
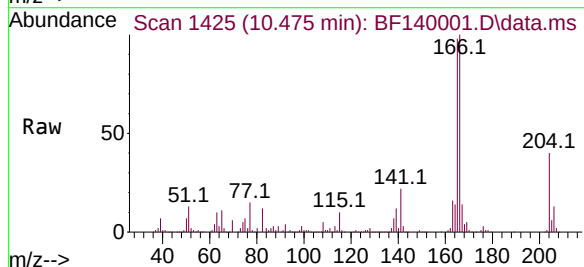
Tgt Ion:166 Resp: 725502

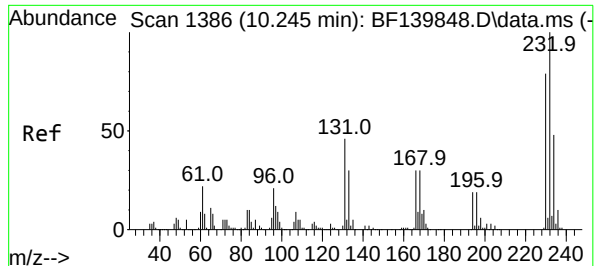
Ion Ratio Lower Upper

166 100

165 98.1 78.5 117.7

167 13.5 10.9 16.3

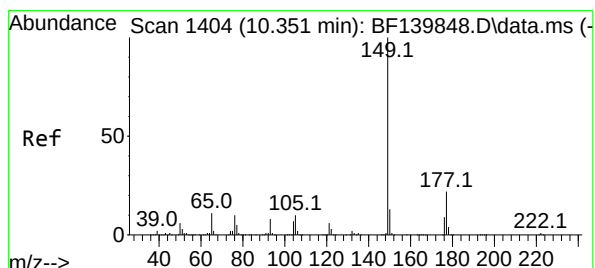
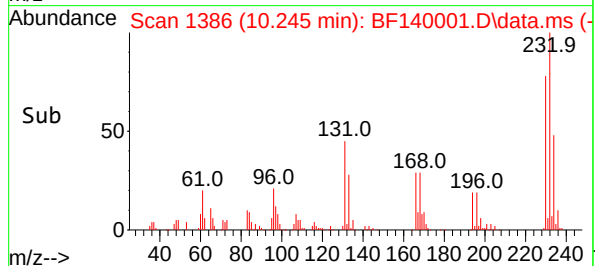
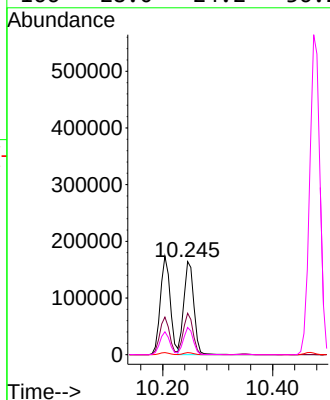
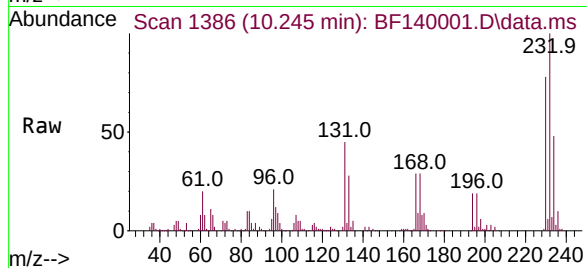




#59  
2,3,4,6-Tetrachlorophenol  
Concen: 41.495 ng  
RT: 10.245 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BF140001.D  
Acq: 24 Oct 2024 15:16

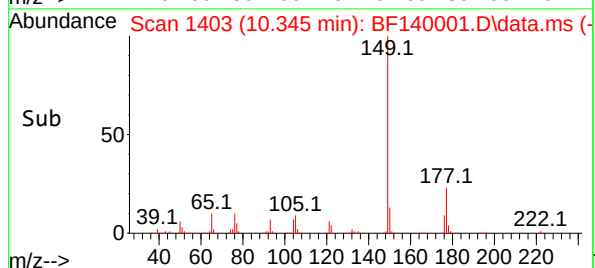
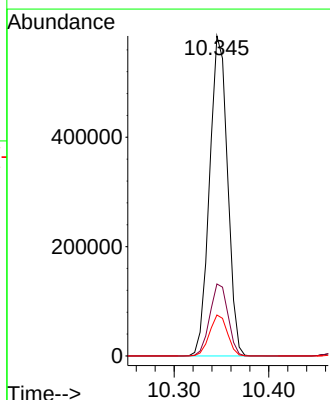
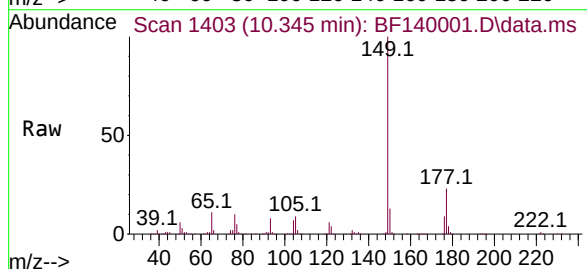
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

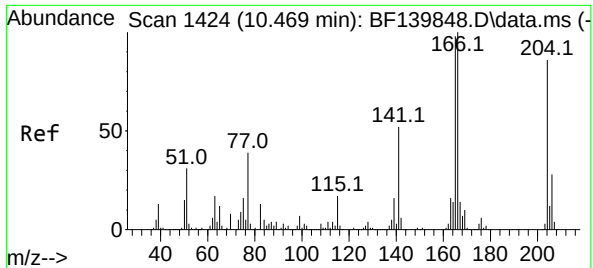
Tgt Ion:232 Resp: 208621  
Ion Ratio Lower Upper  
232 100  
131 43.7 37.0 55.6  
130 2.1 1.9 2.9  
166 28.0 24.2 36.2



#60  
Diethylphthalate  
Concen: 38.673 ng  
RT: 10.345 min Scan# 1403  
Delta R.T. -0.006 min  
Lab File: BF140001.D  
Acq: 24 Oct 2024 15:16

Tgt Ion:149 Resp: 769726  
Ion Ratio Lower Upper  
149 100  
177 22.5 17.9 26.9  
150 12.8 10.1 15.1

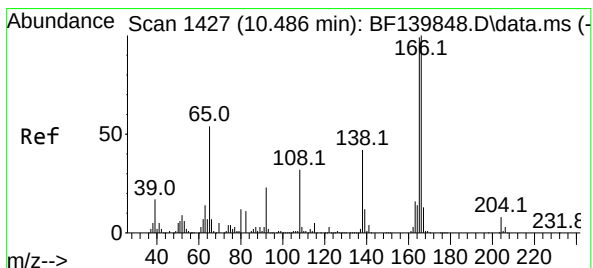
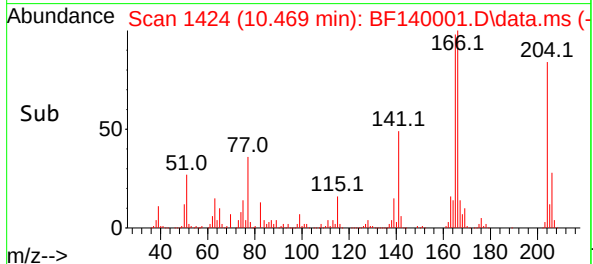
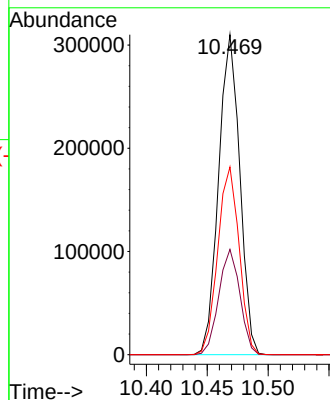
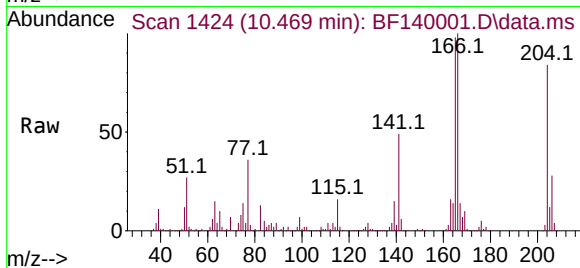




#61  
4-Chlorophenyl-phenylether  
Concen: 39.877 ng  
RT: 10.469 min Scan# 1424  
Delta R.T. 0.000 min  
Lab File: BF140001.D  
Acq: 24 Oct 2024 15:16

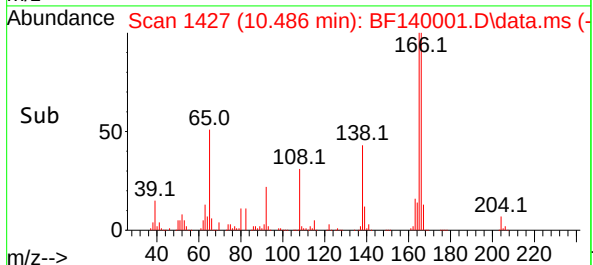
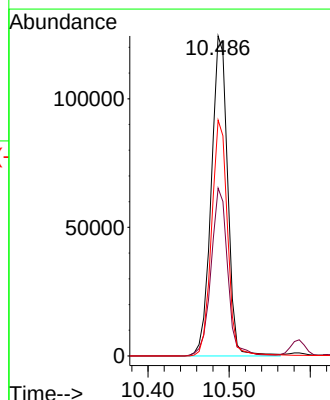
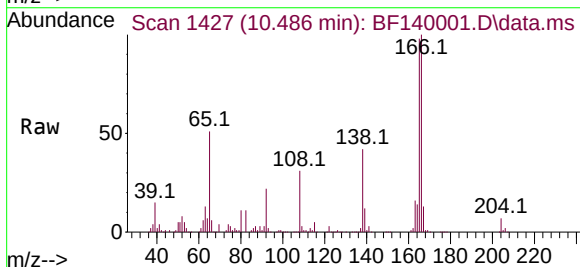
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

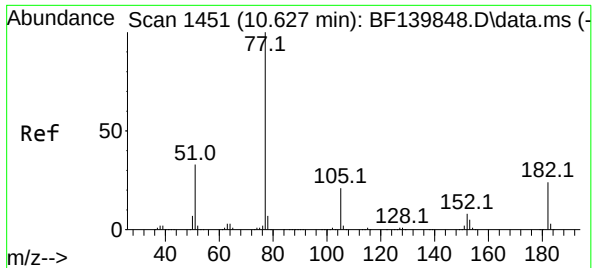
Tgt Ion:204 Resp: 375551  
Ion Ratio Lower Upper  
204 100  
206 32.9 26.3 39.5  
141 58.6 48.6 73.0



#62  
4-Nitroaniline  
Concen: 40.734 ng  
RT: 10.486 min Scan# 1427  
Delta R.T. 0.000 min  
Lab File: BF140001.D  
Acq: 24 Oct 2024 15:16

Tgt Ion:138 Resp: 174132  
Ion Ratio Lower Upper  
138 100  
92 52.4 35.7 75.7  
108 73.7 57.5 97.5

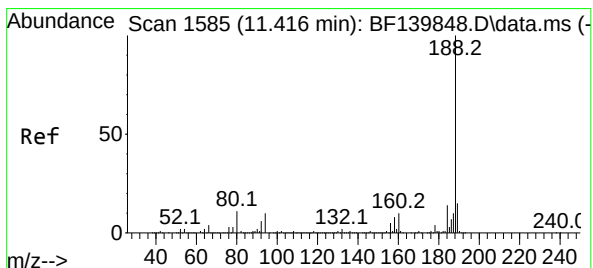
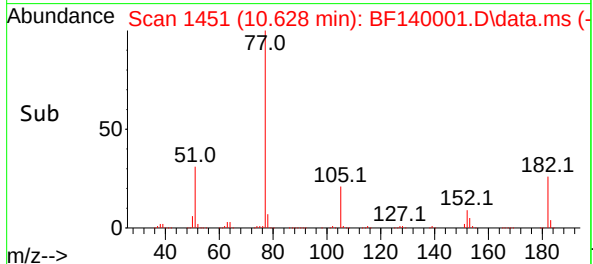
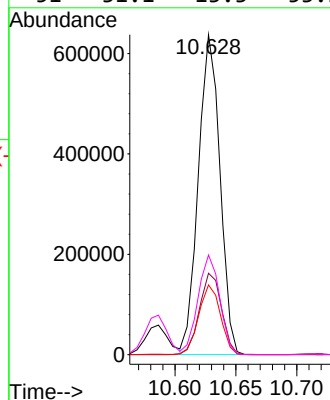
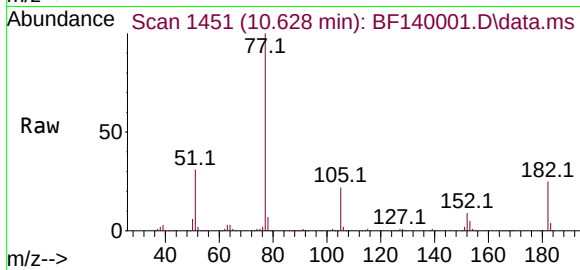




#63  
Azobenzene  
Concen: 37.225 ng  
RT: 10.628 min Scan# 1451  
Delta R.T. 0.000 min  
Lab File: BF140001.D  
Acq: 24 Oct 2024 15:16

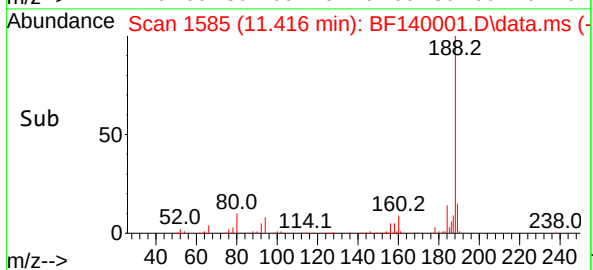
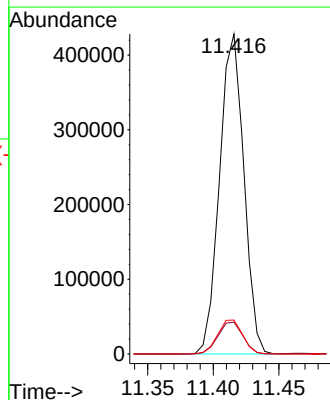
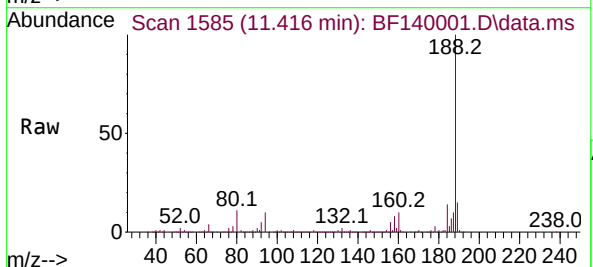
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

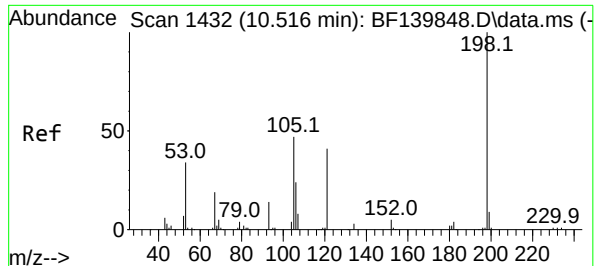
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 77    | Resp: | 785480 |
| Ion      | Ratio | Lower | Upper  |
| 77       | 100   |       |        |
| 182      | 25.4  | 3.3   | 43.3   |
| 105      | 21.8  | 1.2   | 41.2   |
| 51       | 31.1  | 13.3  | 53.3   |



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.416 min Scan# 1585  
Delta R.T. 0.000 min  
Lab File: BF140001.D  
Acq: 24 Oct 2024 15:16

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 188   | Resp: | 551060 |
| Ion      | Ratio | Lower | Upper  |
| 188      | 100   |       |        |
| 94       | 10.0  | 7.9   | 11.9   |
| 80       | 10.6  | 9.0   | 13.4   |

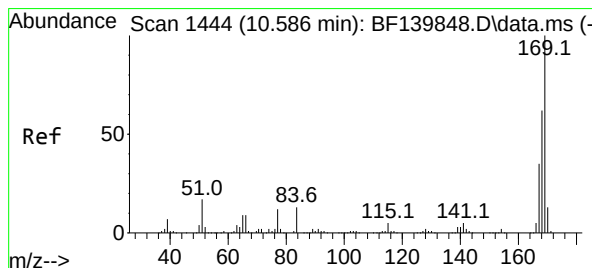
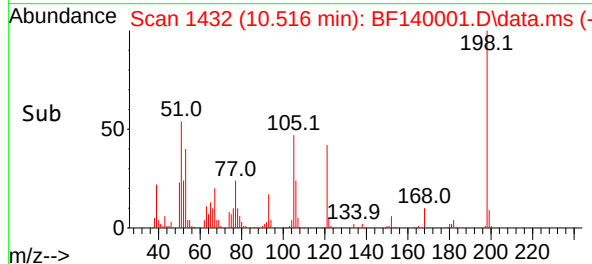
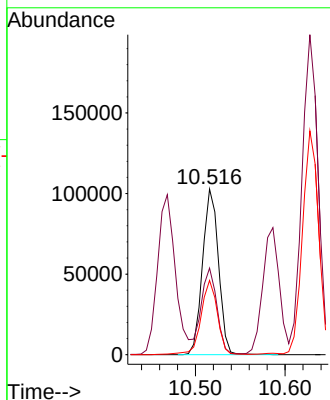
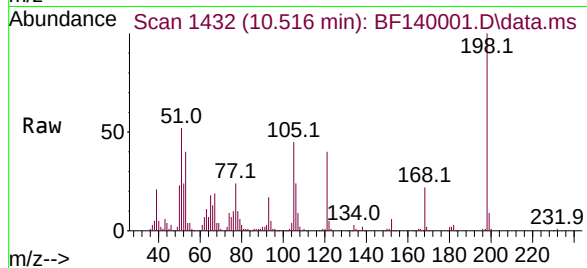




#65  
4,6-Dinitro-2-methylphenol  
Concen: 56.462 ng  
RT: 10.516 min Scan# 1432  
Delta R.T. -0.000 min  
Lab File: BF140001.D  
Acq: 24 Oct 2024 15:16

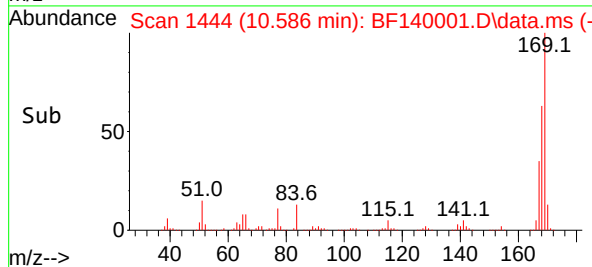
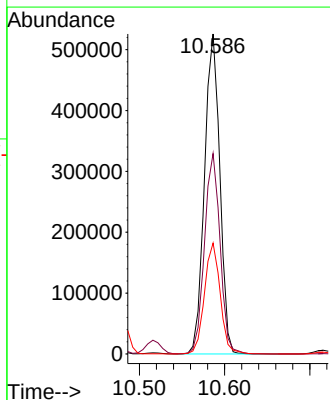
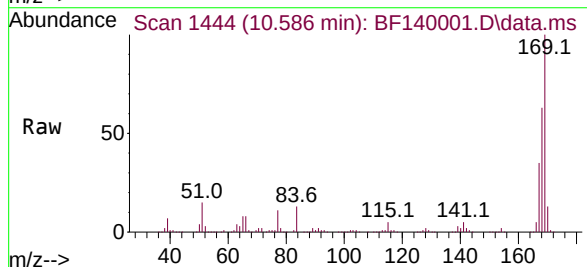
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

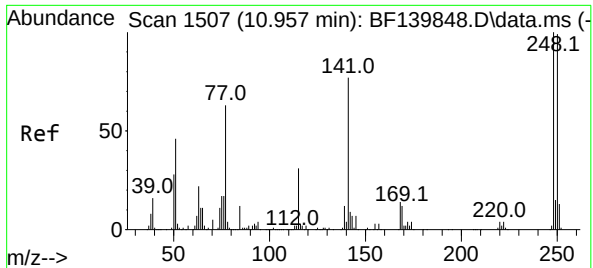
Tgt Ion:198 Resp: 126912  
Ion Ratio Lower Upper  
198 100  
51 52.3 38.2 78.2  
105 44.8 27.9 67.9



#66  
n-Nitrosodiphenylamine  
Concen: 39.892 ng  
RT: 10.586 min Scan# 1444  
Delta R.T. 0.000 min  
Lab File: BF140001.D  
Acq: 24 Oct 2024 15:16

Tgt Ion:169 Resp: 657938  
Ion Ratio Lower Upper  
169 100  
168 62.7 49.8 74.6  
167 34.7 28.0 42.0

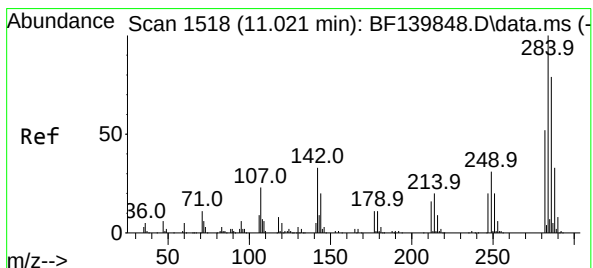
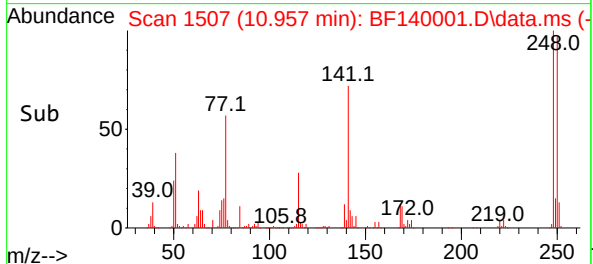
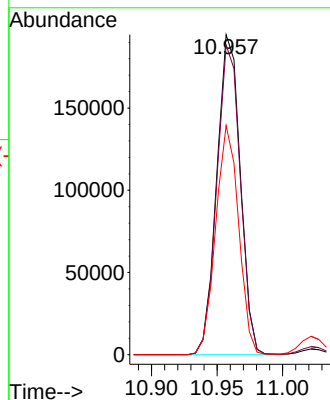
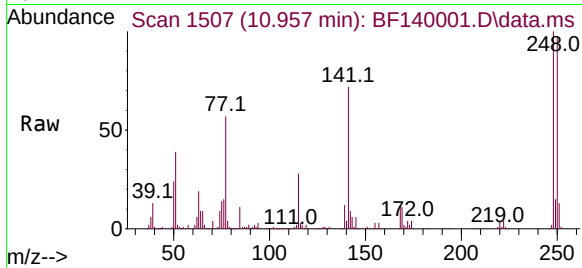




#67  
4-Bromophenyl-phenylether  
Concen: 42.680 ng  
RT: 10.957 min Scan# 1507  
Delta R.T. 0.000 min  
Lab File: BF140001.D  
Acq: 24 Oct 2024 15:16

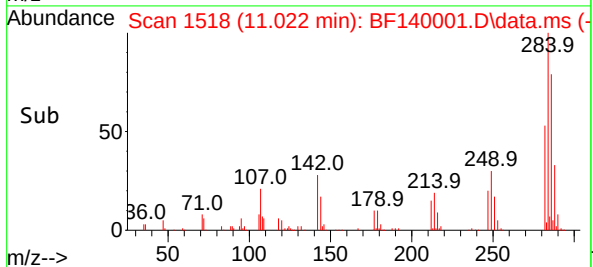
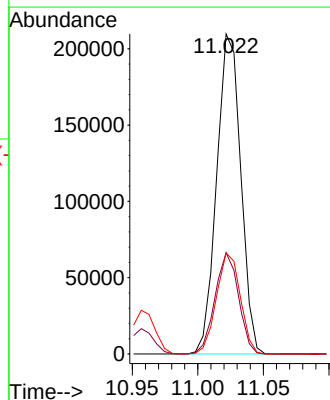
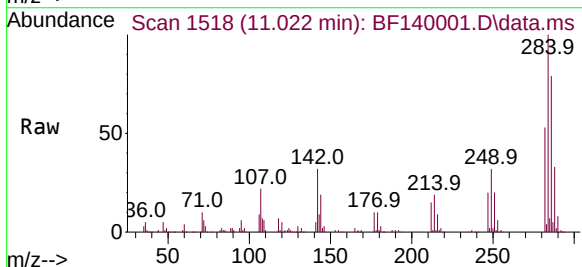
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

Tgt Ion:248 Resp: 242294  
Ion Ratio Lower Upper  
248 100  
250 96.8 79.0 118.6  
141 71.6 61.7 92.5

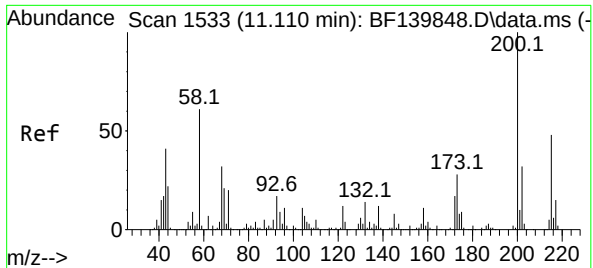


#68  
Hexachlorobenzene  
Concen: 41.827 ng  
RT: 11.022 min Scan# 1518  
Delta R.T. 0.000 min  
Lab File: BF140001.D  
Acq: 24 Oct 2024 15:16

Tgt Ion:284 Resp: 267054  
Ion Ratio Lower Upper  
284 100  
142 31.7 26.9 40.3  
249 31.6 25.3 37.9







#69

Atrazine

Concen: 40.265 ng

RT: 11.110 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF140001.D

Acq: 24 Oct 2024 15:16

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

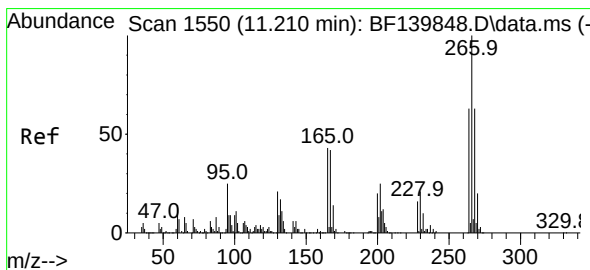
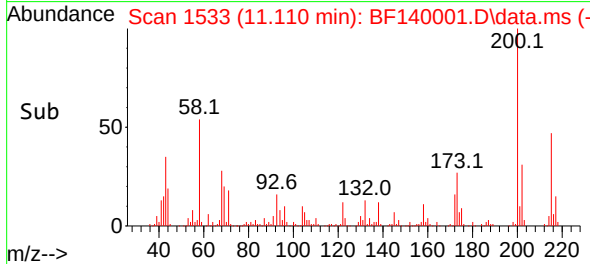
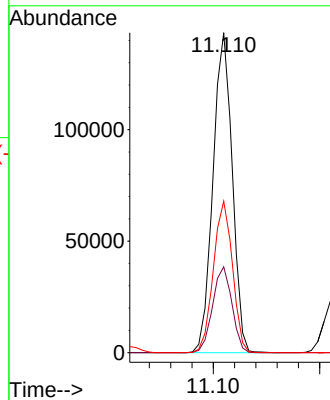
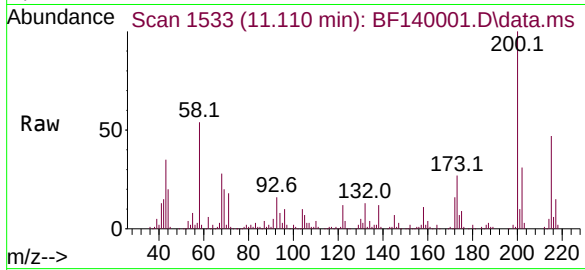
Tgt Ion:200 Resp: 179895

Ion Ratio Lower Upper

200 100

173 26.8 7.7 47.7

215 47.4 27.7 67.7



#70

Pentachlorophenol

Concen: 45.178 ng

RT: 11.216 min Scan# 1551

Delta R.T. 0.006 min

Lab File: BF140001.D

Acq: 24 Oct 2024 15:16

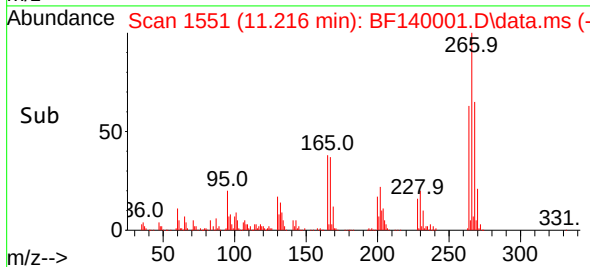
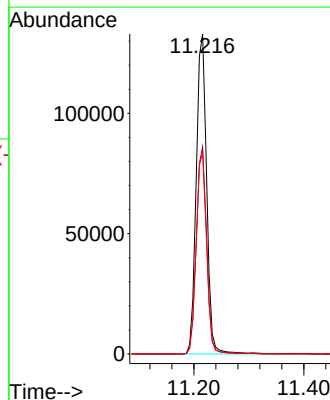
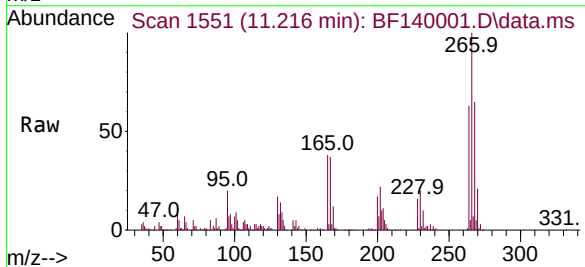
Tgt Ion:266 Resp: 175060

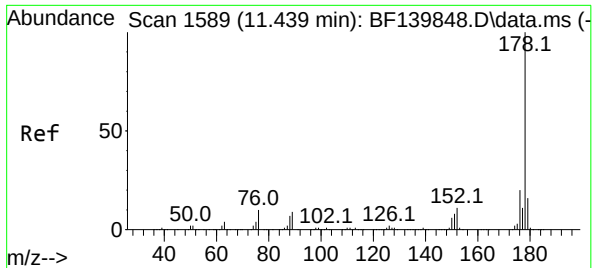
Ion Ratio Lower Upper

266 100

268 64.8 50.4 75.6

264 62.8 50.6 75.8

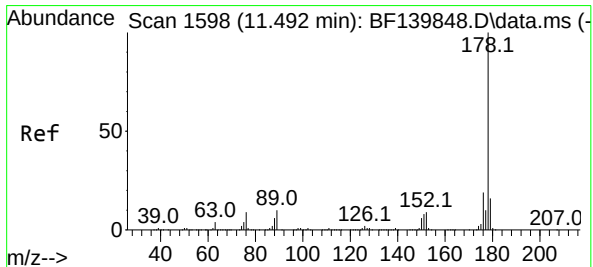
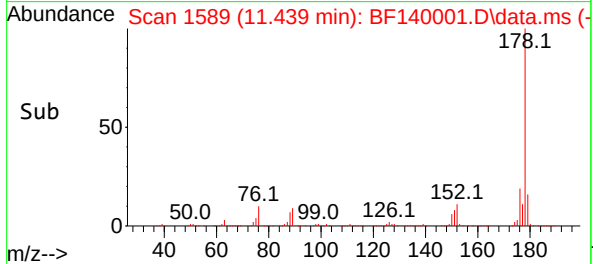
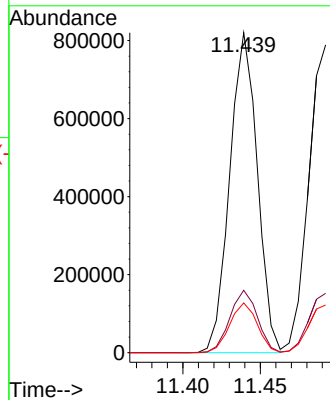
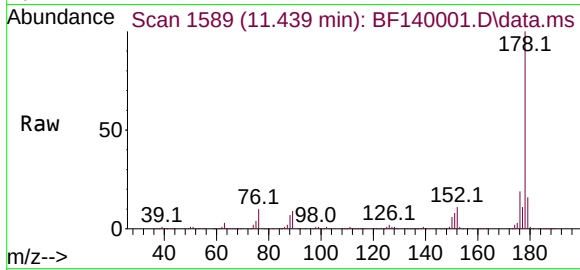




#71  
Phenanthrene  
Concen: 39.028 ng  
RT: 11.439 min Scan# 1589  
Delta R.T. 0.000 min  
Lab File: BF140001.D  
Acq: 24 Oct 2024 15:16

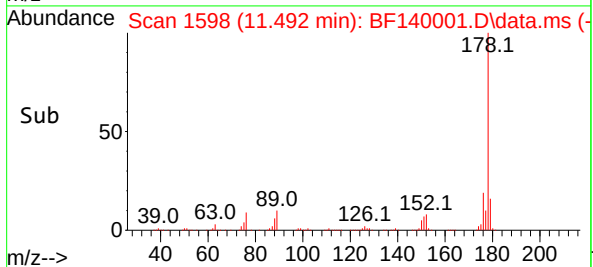
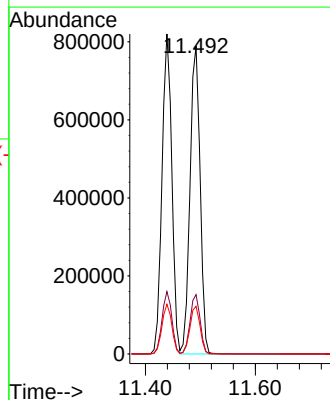
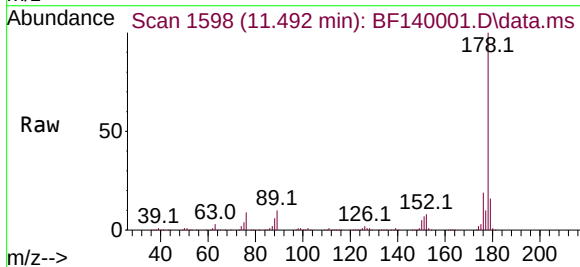
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

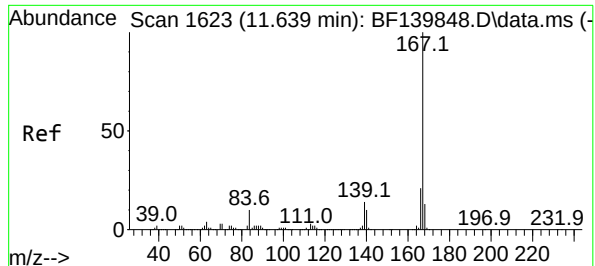
Tgt Ion:178 Resp: 1015890  
Ion Ratio Lower Upper  
178 100  
176 19.5 15.8 23.6  
179 15.6 12.6 18.8



#72  
Anthracene  
Concen: 39.491 ng  
RT: 11.492 min Scan# 1598  
Delta R.T. 0.000 min  
Lab File: BF140001.D  
Acq: 24 Oct 2024 15:16

Tgt Ion:178 Resp: 1002955  
Ion Ratio Lower Upper  
178 100  
176 19.3 15.3 22.9  
179 15.5 12.4 18.6

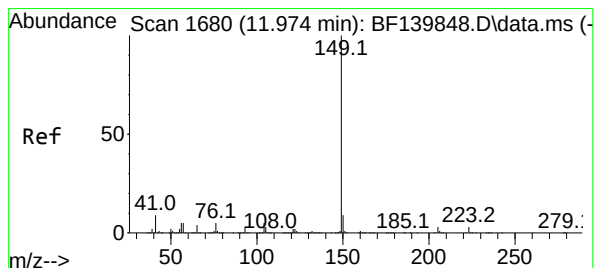
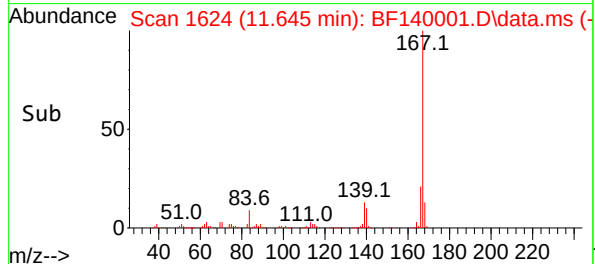
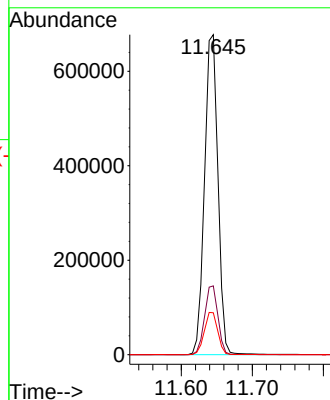
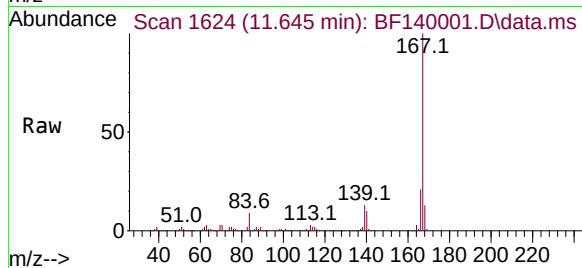




#73  
Carbazole  
Concen: 37.808 ng  
RT: 11.645 min Scan# 1623  
Delta R.T. 0.006 min  
Lab File: BF140001.D  
Acq: 24 Oct 2024 15:16

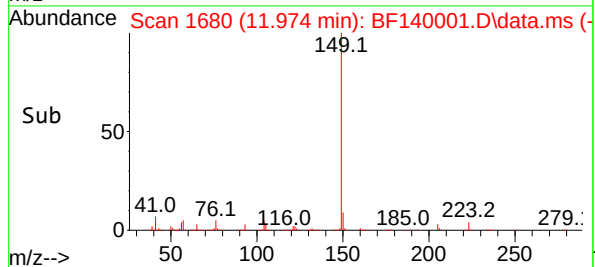
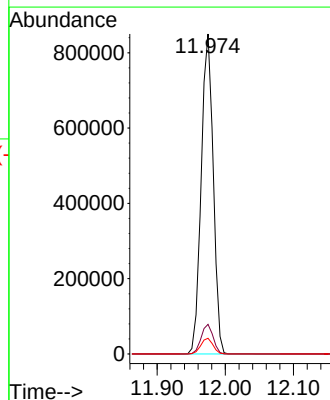
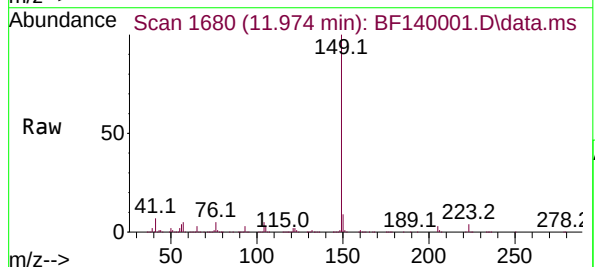
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

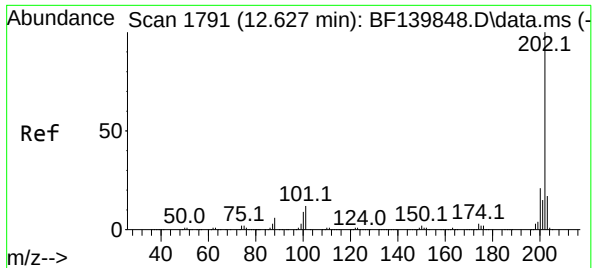
Tgt Ion:167 Resp: 893010  
Ion Ratio Lower Upper  
167 100  
166 21.5 17.0 25.6  
139 13.1 10.8 16.2



#74  
Di-n-butylphthalate  
Concen: 38.163 ng  
RT: 11.974 min Scan# 1680  
Delta R.T. 0.000 min  
Lab File: BF140001.D  
Acq: 24 Oct 2024 15:16

Tgt Ion:149 Resp: 1041401  
Ion Ratio Lower Upper  
149 100  
150 9.2 7.5 11.3  
104 4.9 4.1 6.1

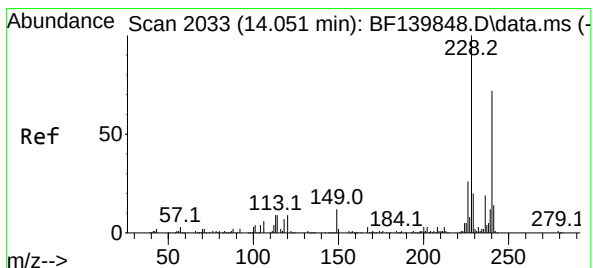
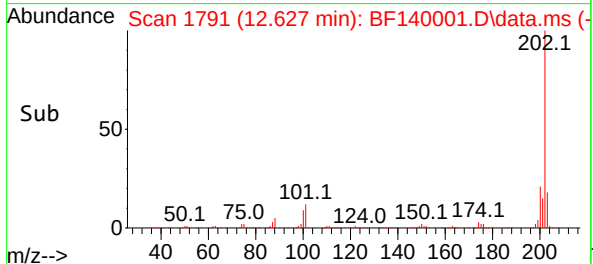
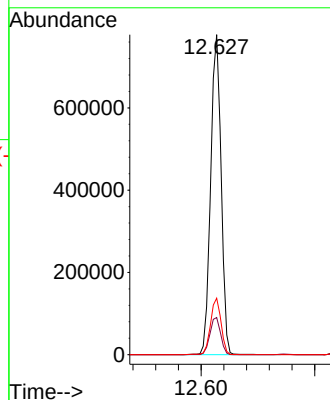
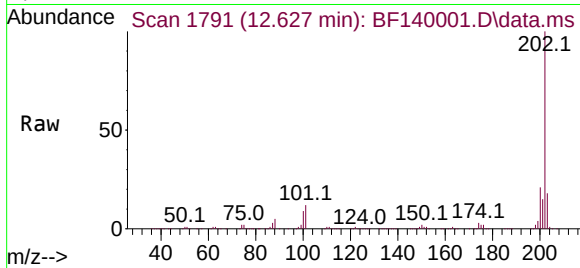




#75  
Fluoranthene  
Concen: 37.517 ng  
RT: 12.627 min Scan# 1791  
Delta R.T. 0.000 min  
Lab File: BF140001.D  
Acq: 24 Oct 2024 15:16

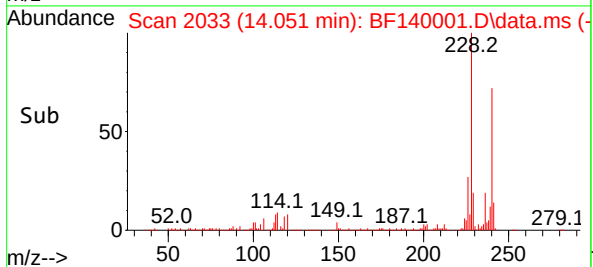
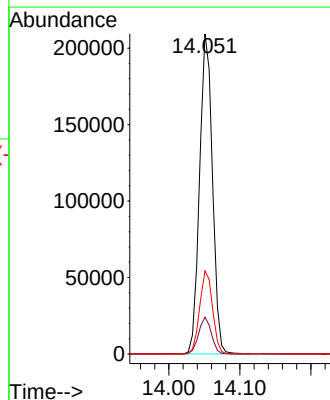
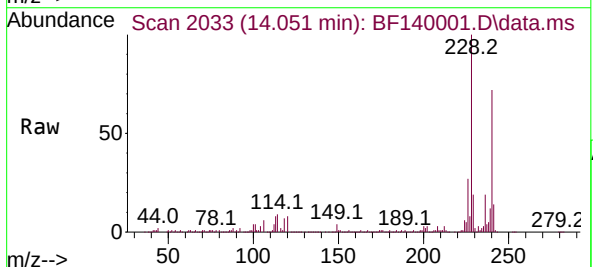
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

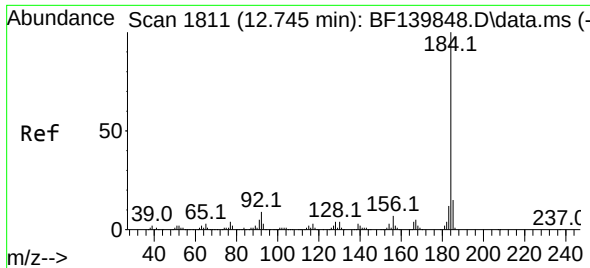
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 11.6  | 0.0   | 31.9  |
| 203     | 17.7  | 0.0   | 37.5  |



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.051 min Scan# 2033  
Delta R.T. 0.000 min  
Lab File: BF140001.D  
Acq: 24 Oct 2024 15:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 11.5  | 9.4   | 14.2  |
| 236     | 25.9  | 20.9  | 31.3  |

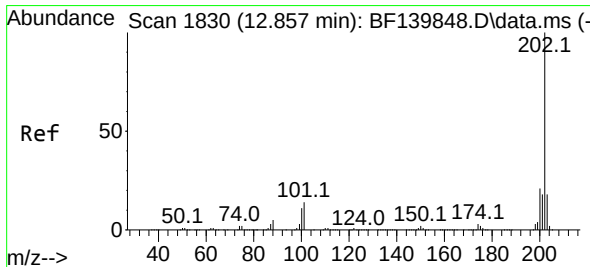
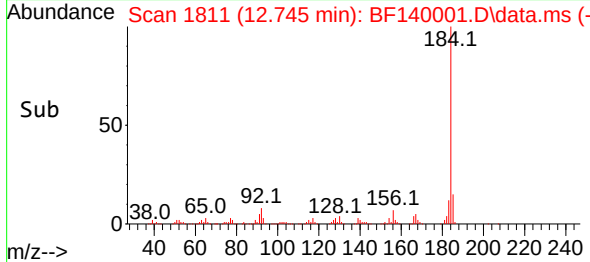
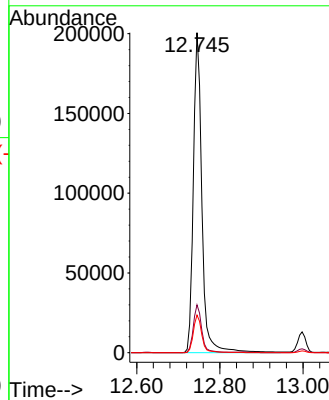
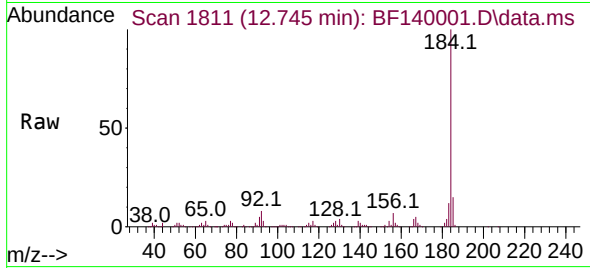




#77  
Benzidine  
Concen: 65.959 ng  
RT: 12.745 min Scan# 1811  
Delta R.T. 0.000 min  
Lab File: BF140001.D  
Acq: 24 Oct 2024 15:16

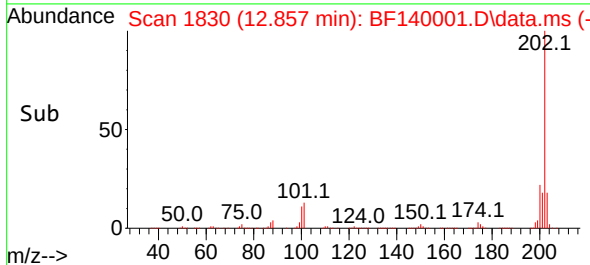
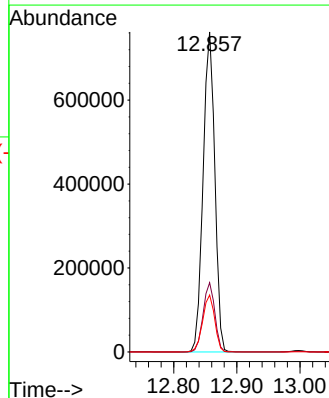
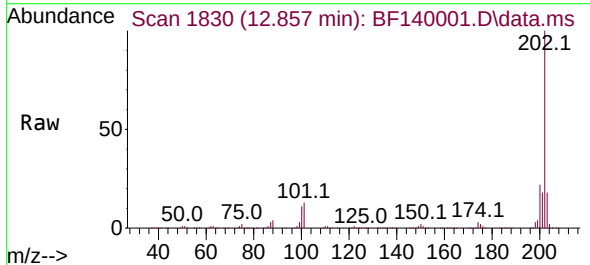
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

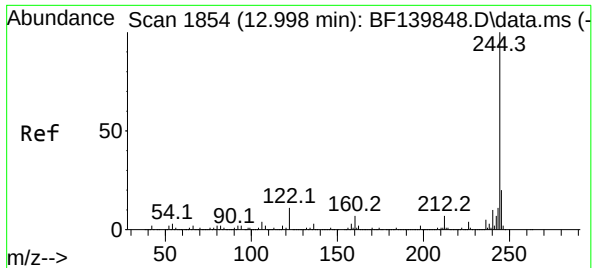
Tgt Ion:184 Resp: 286923  
Ion Ratio Lower Upper  
184 100  
185 14.9 12.0 18.0  
183 11.8 9.4 14.2



#78  
Pyrene  
Concen: 42.378 ng  
RT: 12.857 min Scan# 1830  
Delta R.T. 0.000 min  
Lab File: BF140001.D  
Acq: 24 Oct 2024 15:16

Tgt Ion:202 Resp: 981324  
Ion Ratio Lower Upper  
202 100  
200 21.7 17.2 25.8  
203 17.8 14.2 21.4





#79

Terphenyl-d14

Concen: 85.096 ng

RT: 12.998 min Scan# 1854

Delta R.T. 0.000 min

Lab File: BF140001.D

Acq: 24 Oct 2024 15:16

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

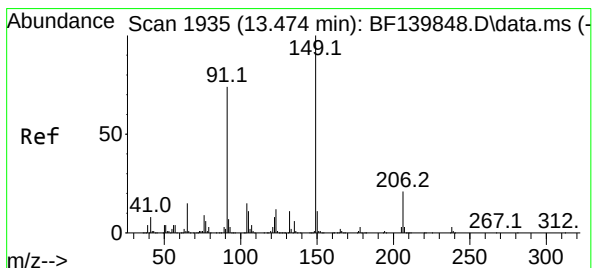
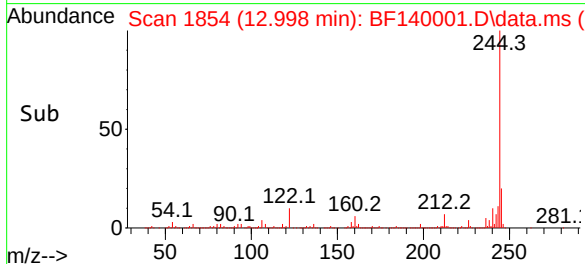
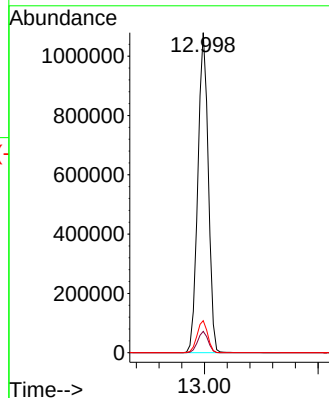
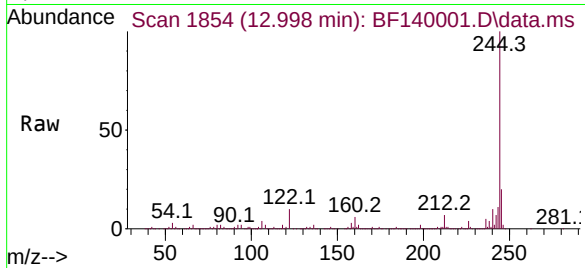
Tgt Ion:244 Resp: 1381525

Ion Ratio Lower Upper

244 100

212 6.6 5.7 8.5

122 10.0 8.6 13.0



#80

Butylbenzylphthalate

Concen: 41.445 ng

RT: 13.474 min Scan# 1935

Delta R.T. 0.000 min

Lab File: BF140001.D

Acq: 24 Oct 2024 15:16

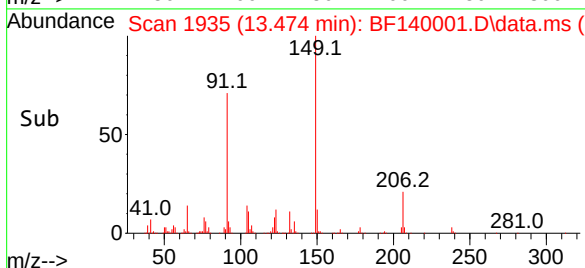
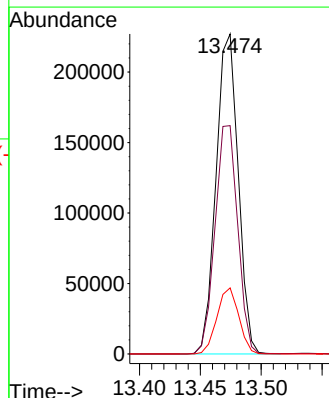
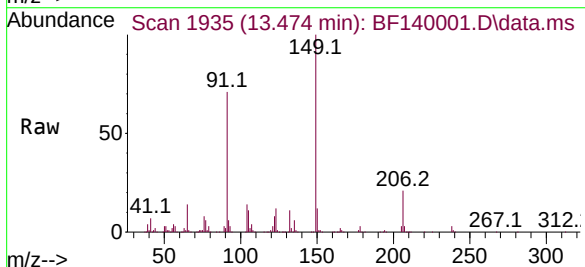
Tgt Ion:149 Resp: 287725

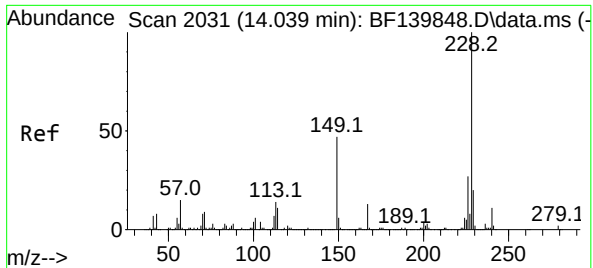
Ion Ratio Lower Upper

149 100

91 71.4 59.4 89.2

206 20.7 16.4 24.6

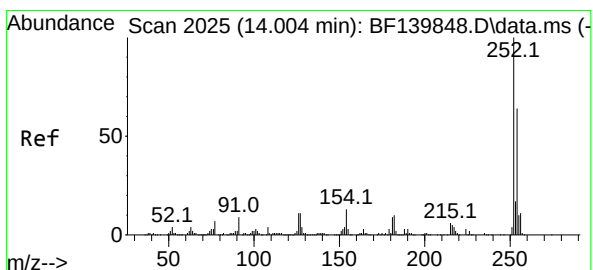
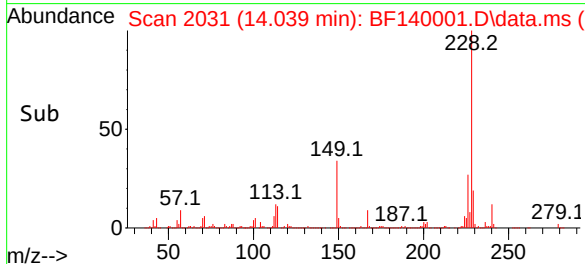
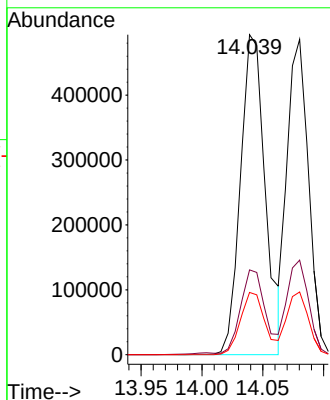
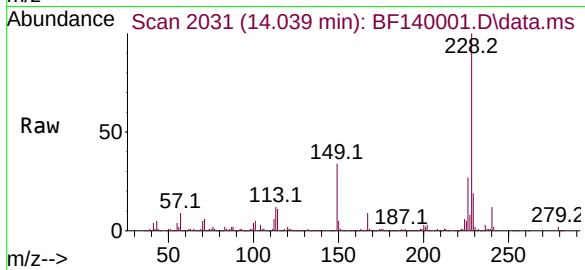




#81  
Benzo(a)anthracene  
Concen: 40.605 ng  
RT: 14.039 min Scan# 2031  
Delta R.T. 0.000 min  
Lab File: BF140001.D  
Acq: 24 Oct 2024 15:16

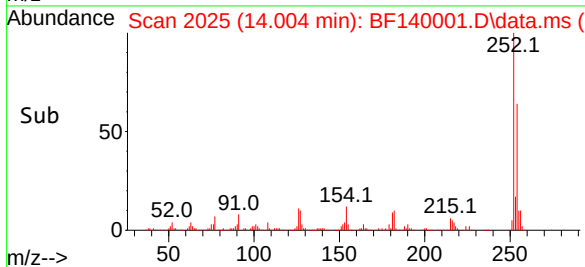
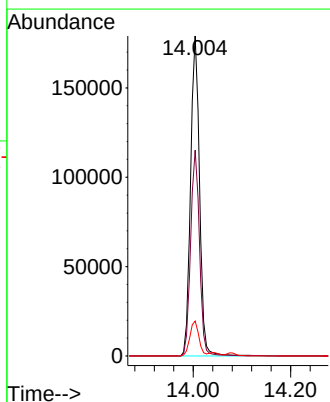
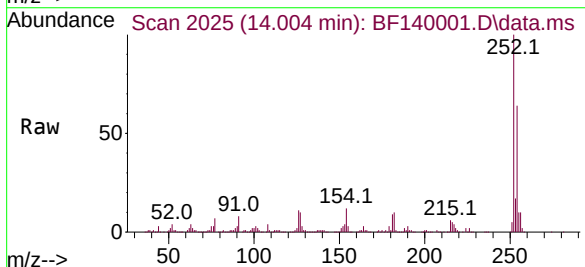
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

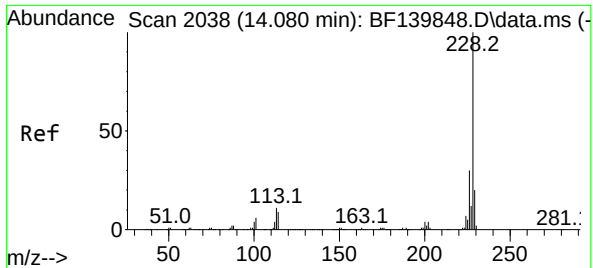
Tgt Ion:228 Resp: 699263  
Ion Ratio Lower Upper  
228 100  
226 26.5 21.6 32.4  
229 19.4 16.1 24.1



#82  
3,3'-Dichlorobenzidine  
Concen: 45.786 ng  
RT: 14.004 min Scan# 2025  
Delta R.T. 0.000 min  
Lab File: BF140001.D  
Acq: 24 Oct 2024 15:16

Tgt Ion:252 Resp: 229894  
Ion Ratio Lower Upper  
252 100  
254 64.3 50.8 76.2  
126 10.9 8.9 13.3

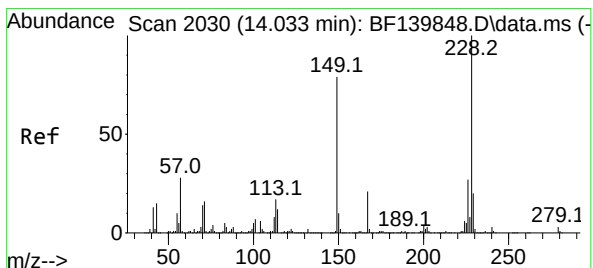
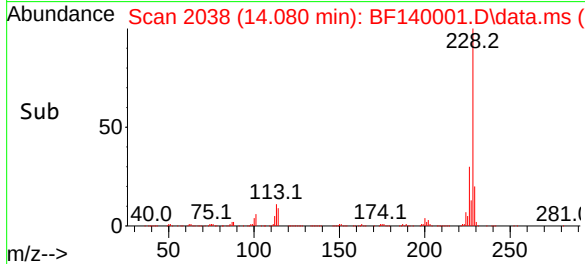
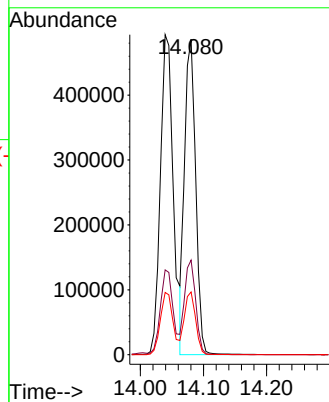
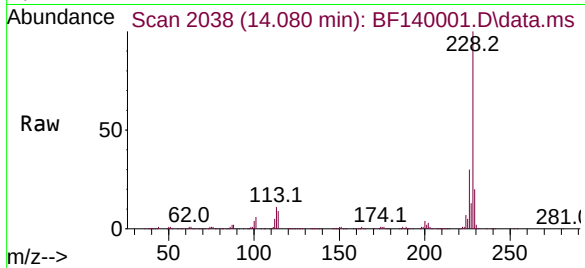




#83  
Chrysene  
Concen: 37.681 ng  
RT: 14.080 min Scan# 2038  
Delta R.T. 0.000 min  
Lab File: BF140001.D  
Acq: 24 Oct 2024 15:16

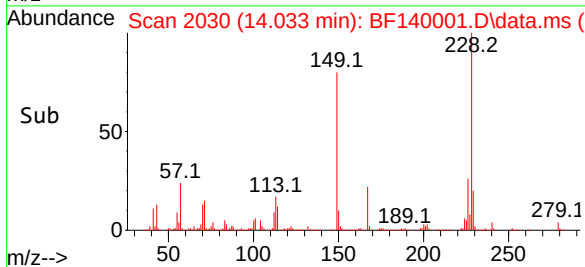
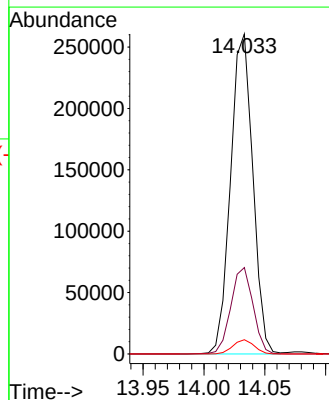
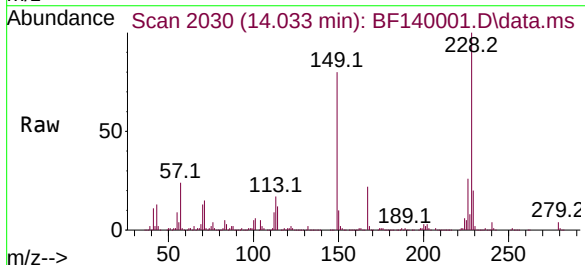
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

Tgt Ion:228 Resp: 594964  
Ion Ratio Lower Upper  
228 100  
226 30.0 24.1 36.1  
229 19.9 15.8 23.6

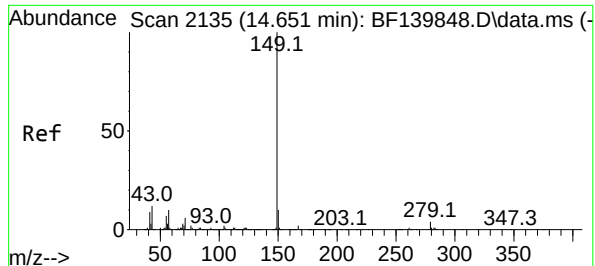


#84  
Bis(2-ethylhexyl)phthalate  
Concen: 42.582 ng  
RT: 14.033 min Scan# 2030  
Delta R.T. 0.000 min  
Lab File: BF140001.D  
Acq: 24 Oct 2024 15:16

Tgt Ion:149 Resp: 331672  
Ion Ratio Lower Upper  
149 100  
167 27.0 21.4 32.0  
279 4.5 3.0 4.4#



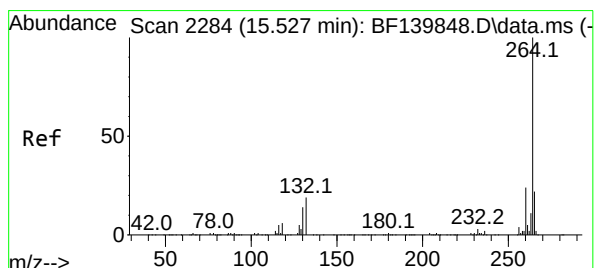
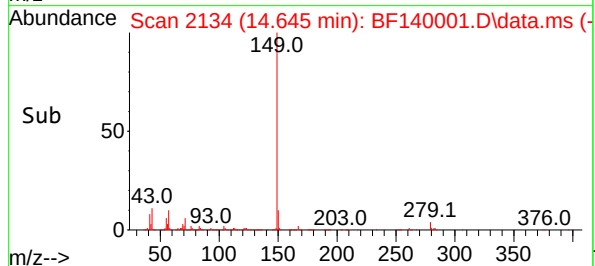
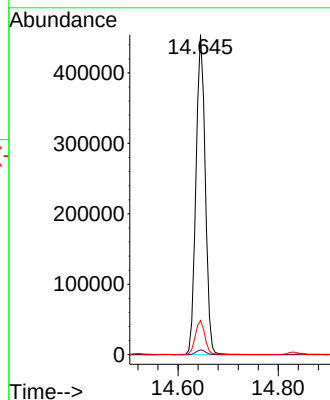
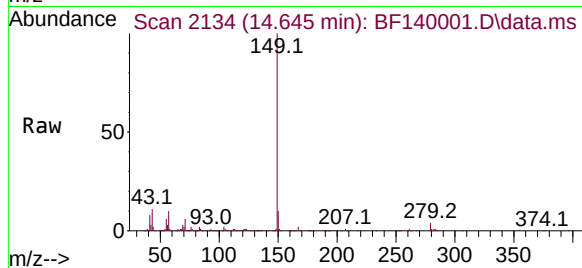




#85  
Di-n-octyl phthalate  
Concen: 41.159 ng  
RT: 14.645 min Scan# 2135  
Delta R.T. -0.006 min  
Lab File: BF140001.D  
Acq: 24 Oct 2024 15:16

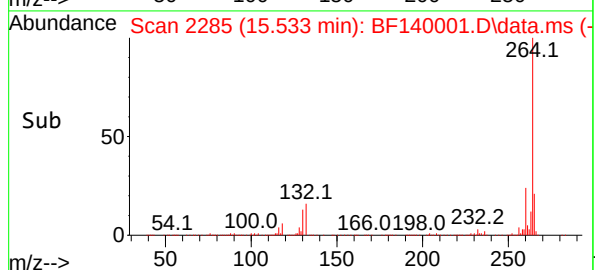
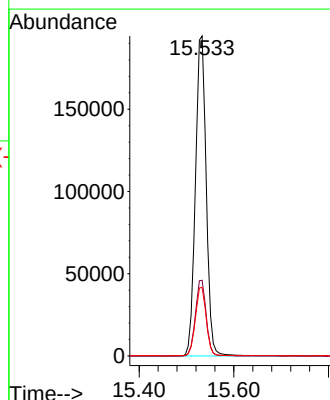
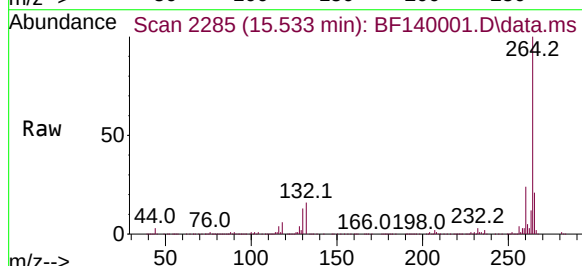
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

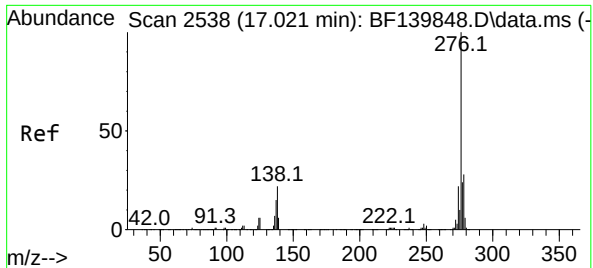
Tgt Ion:149 Resp: 583105  
Ion Ratio Lower Upper  
149 100  
167 1.5 1.2 1.8  
43 11.0 9.8 14.6



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.533 min Scan# 2285  
Delta R.T. 0.006 min  
Lab File: BF140001.D  
Acq: 24 Oct 2024 15:16

Tgt Ion:264 Resp: 308388  
Ion Ratio Lower Upper  
264 100  
260 23.7 19.4 29.2  
265 21.4 17.4 26.0

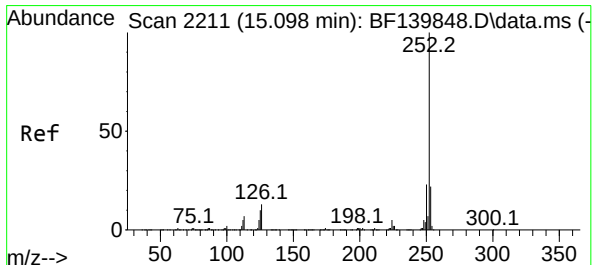
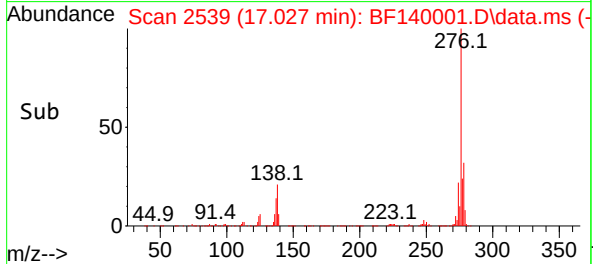
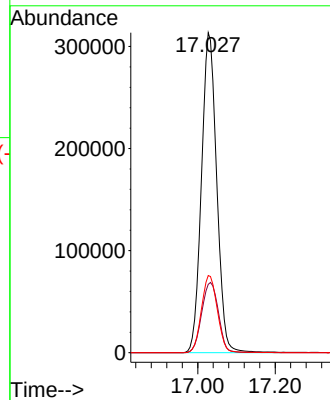
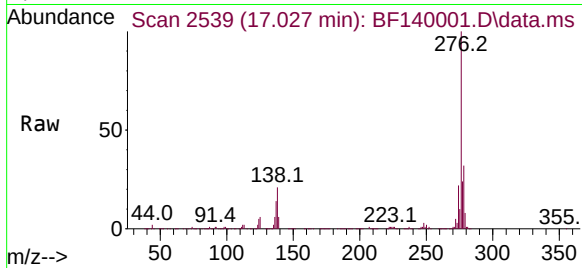




#87  
Indeno(1,2,3-cd)pyrene  
Concen: 43.090 ng  
RT: 17.027 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: BF140001.D  
Acq: 24 Oct 2024 15:16

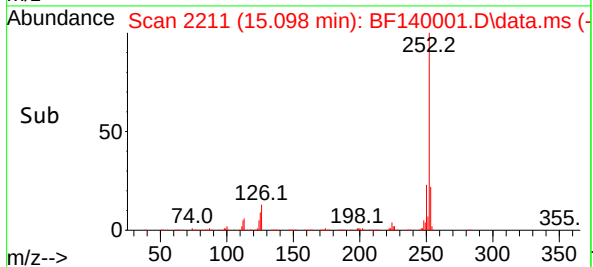
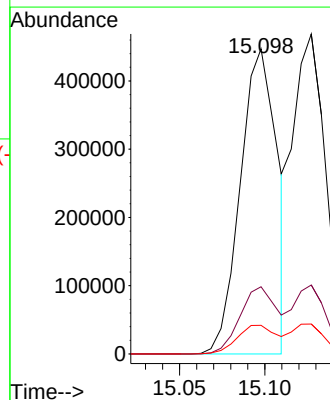
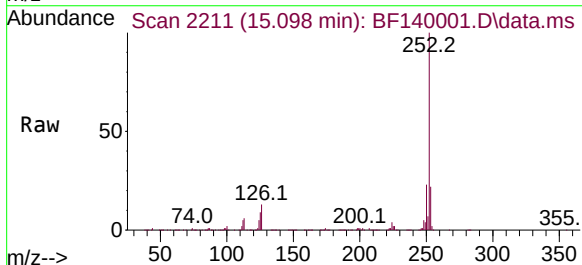
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

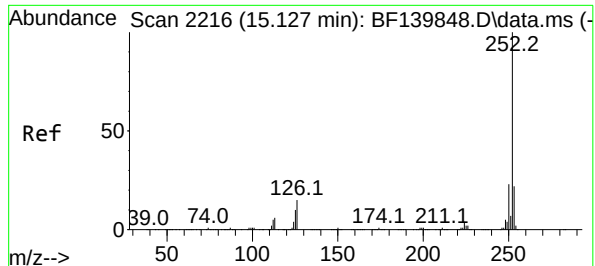
Tgt Ion:276 Resp: 854880  
Ion Ratio Lower Upper  
276 100  
138 24.0 20.4 30.6  
277 25.2 20.2 30.4



#88  
Benzo(b)fluoranthene  
Concen: 35.677 ng  
RT: 15.098 min Scan# 2211  
Delta R.T. 0.000 min  
Lab File: BF140001.D  
Acq: 24 Oct 2024 15:16

Tgt Ion:252 Resp: 670218  
Ion Ratio Lower Upper  
252 100  
253 22.0 17.6 26.4  
125 9.4 7.9 11.9





#89

Benzo(k)fluoranthene

Concen: 39.299 ng

RT: 15.127 min Scan# 2216

Delta R.T. 0.000 min

Lab File: BF140001.D

Acq: 24 Oct 2024 15:16

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

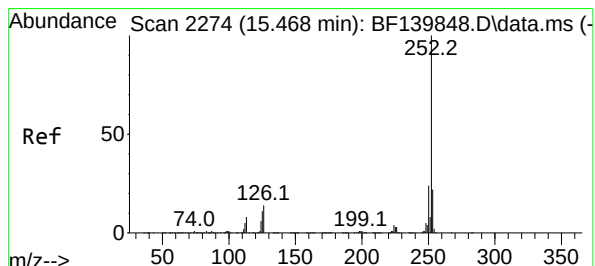
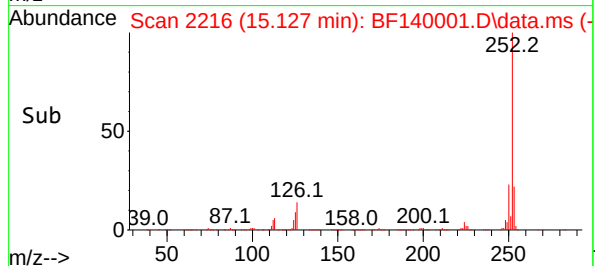
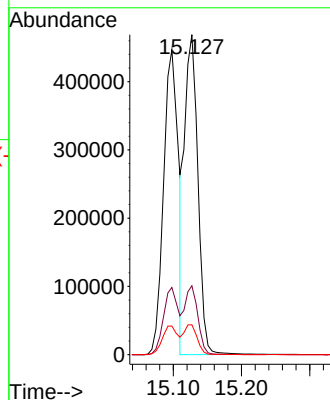
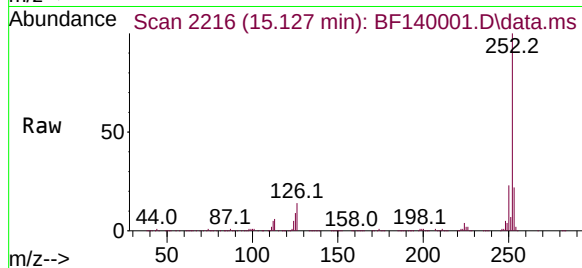
Tgt Ion:252 Resp: 636690

Ion Ratio Lower Upper

252 100

253 21.6 17.6 26.4

125 9.4 7.9 11.9



#90

Benzo(a)pyrene

Concen: 39.262 ng

RT: 15.468 min Scan# 2274

Delta R.T. 0.000 min

Lab File: BF140001.D

Acq: 24 Oct 2024 15:16

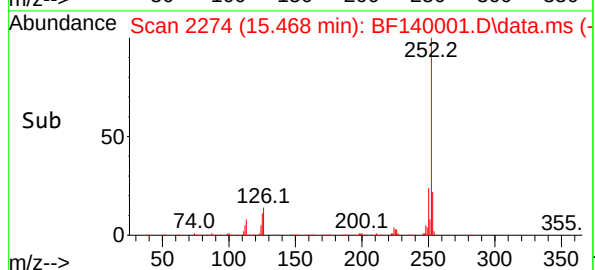
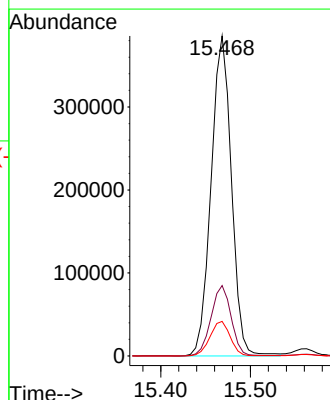
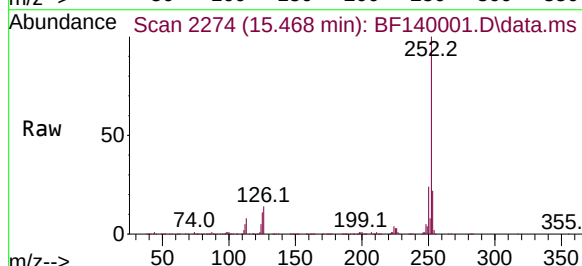
Tgt Ion:252 Resp: 606890

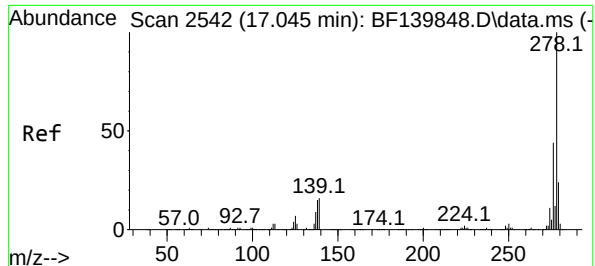
Ion Ratio Lower Upper

252 100

253 22.0 17.3 25.9

125 10.8 8.7 13.1





#91

Dibenzo(a,h)anthracene

Concen: 43.023 ng

RT: 17.051 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF140001.D

Acq: 24 Oct 2024 15:16

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

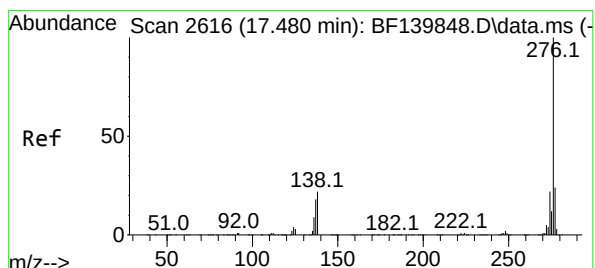
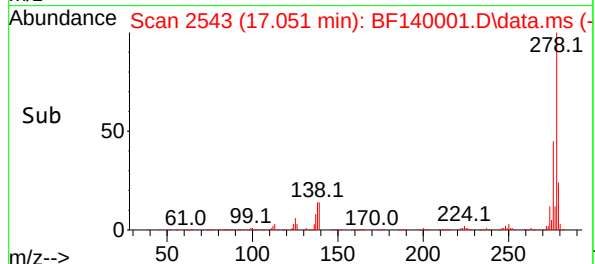
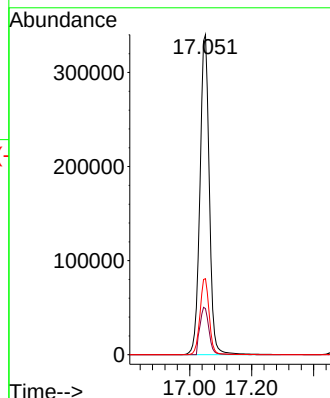
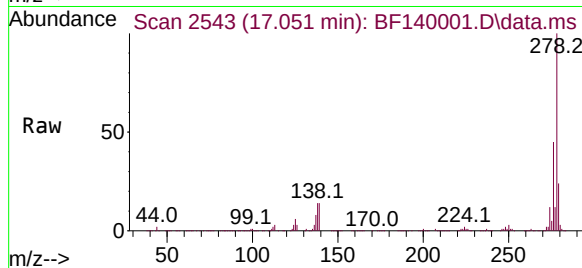
Tgt Ion:278 Resp: 712057

Ion Ratio Lower Upper

278 100

139 14.4 13.1 19.7

279 23.8 19.0 28.4



#92

Benzo(g,h,i)perylene

Concen: 43.554 ng

RT: 17.486 min Scan# 2617

Delta R.T. 0.006 min

Lab File: BF140001.D

Acq: 24 Oct 2024 15:16

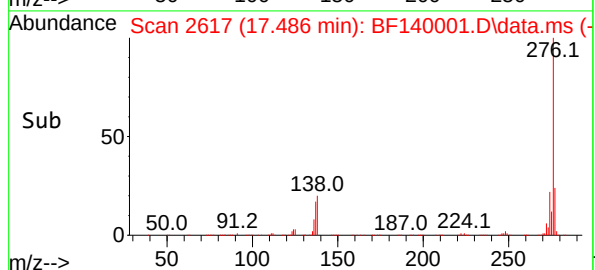
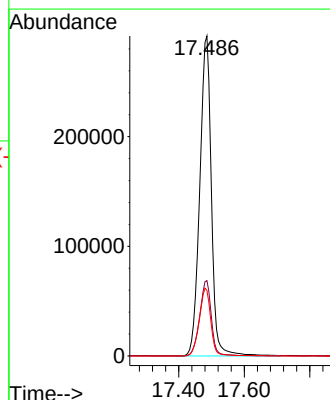
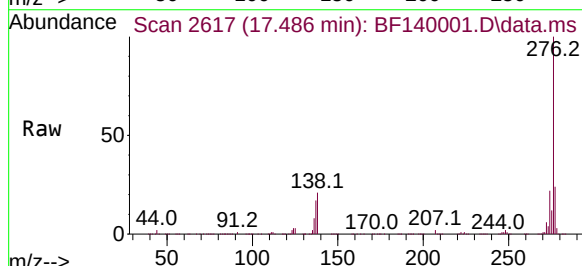
Tgt Ion:276 Resp: 720021

Ion Ratio Lower Upper

276 100

277 23.5 19.0 28.6

138 20.5 17.4 26.0



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102424\  
 Data File : BF140001.D  
 Acq On : 24 Oct 2024 15:16  
 Operator : RC/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Oct 24 16:03:07 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101824.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Oct 18 15:07:50 2024  
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 25% Max. Rel. Area : 150%

|      | Compound                    | AvgRF | CCRF  | %Dev  | Area% | Dev(min) |
|------|-----------------------------|-------|-------|-------|-------|----------|
| 1 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0   | 89    | 0.00     |
| 2    | 1,4-Dioxane                 | 0.596 | 0.573 | 3.9   | 87    | -0.02    |
| 3    | Pyridine                    | 1.476 | 1.408 | 4.6   | 84    | -0.01    |
| 4    | n-Nitrosodimethylamine      | 0.793 | 0.688 | 13.2  | 76    | -0.01    |
| 5 S  | 2-Fluorophenol              | 1.278 | 1.208 | 5.5   | 84    | 0.00     |
| 6    | Aniline                     | 1.542 | 1.435 | 6.9   | 81    | 0.00     |
| 7 S  | Phenol-d6                   | 1.655 | 1.521 | 8.1   | 83    | 0.00     |
| 8    | 2-Chlorophenol              | 1.306 | 1.259 | 3.6   | 86    | 0.00     |
| 9    | Benzaldehyde                | 0.931 | 0.931 | 0.0   | 88    | 0.00     |
| 10 C | Phenol                      | 1.706 | 1.601 | 6.2   | 84    | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.319 | 1.259 | 4.5   | 87    | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.499 | 1.462 | 2.5   | 87    | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.498 | 1.466 | 2.1   | 88    | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.398 | 1.368 | 2.1   | 89    | 0.00     |
| 15   | Benzyl Alcohol              | 1.214 | 1.131 | 6.8   | 83    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 2.248 | 1.948 | 13.3  | 77    | 0.00     |
| 17   | 2-Methylphenol              | 1.114 | 1.047 | 6.0   | 84    | 0.00     |
| 18   | Hexachloroethane            | 0.534 | 0.526 | 1.5   | 87    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 1.004 | 0.889 | 11.5  | 81    | 0.00     |
| 20   | 3+4-Methylphenols           | 1.424 | 1.322 | 7.2   | 83    | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0   | 86    | 0.00     |
| 22   | Acetophenone                | 0.490 | 0.472 | 3.7   | 84    | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.361 | 0.374 | -3.6  | 87    | 0.00     |
| 24   | Nitrobenzene                | 0.396 | 0.397 | -0.3  | 85    | 0.00     |
| 25   | Isophorone                  | 0.685 | 0.655 | 4.4   | 83    | 0.00     |
| 26 C | 2-Nitrophenol               | 0.149 | 0.178 | -19.5 | 98    | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.249 | 0.238 | 4.4   | 83    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.415 | 0.407 | 1.9   | 85    | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.283 | 0.285 | -0.7  | 87    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.314 | 0.319 | -1.6  | 87    | 0.00     |
| 31   | Naphthalene                 | 1.031 | 1.015 | 1.6   | 86    | 0.00     |
| 32   | Benzoic acid                | 0.217 | 0.241 | -11.1 | 95    | 0.00     |
| 33   | 4-Chloroaniline             | 0.352 | 0.336 | 4.5   | 82    | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.197 | 0.203 | -3.0  | 89    | 0.00     |
| 35   | Caprolactam                 | 0.090 | 0.089 | 1.1   | 83    | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 0.314 | 0.306 | 2.5   | 84    | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.632 | 0.623 | 1.4   | 86    | 0.00     |
| 38   | 1-Methylnaphthalene         | 0.620 | 0.608 | 1.9   | 86    | 0.00     |
| 39 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0   | 86    | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 0.540 | 0.560 | -3.7  | 89    | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 0.188 | 0.199 | -5.9  | 86    | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 0.187 | 0.207 | -10.7 | 95    | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 0.382 | 0.387 | -1.3  | 86    | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 0.394 | 0.415 | -5.3  | 89    | 0.00     |
| 45 S | 2-Fluorobiphenyl            | 1.210 | 1.197 | 1.1   | 88    | 0.00     |
| 46   | 1,1'-Biphenyl               | 1.392 | 1.393 | -0.1  | 87    | 0.00     |
| 47   | 2-Chloronaphthalene         | 1.121 | 1.127 | -0.5  | 87    | 0.00     |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102424\  
 Data File : BF140001.D  
 Acq On : 24 Oct 2024 15:16  
 Operator : RC/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Oct 24 16:03:07 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101824.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Oct 18 15:07:50 2024  
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 25% Max. Rel. Area : 150%

|      | Compound                   | AvgRF | CCRF  | %Dev   | Area% | Dev(min) |
|------|----------------------------|-------|-------|--------|-------|----------|
| 48   | 2-Nitroaniline             | 0.343 | 0.369 | -7.6   | 87    | 0.00     |
| 49   | Acenaphthylene             | 1.621 | 1.600 | 1.3    | 85    | 0.00     |
| 50   | Dimethylphthalate          | 1.246 | 1.232 | 1.1    | 85    | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 0.270 | 0.292 | -8.1   | 89    | 0.00     |
| 52 C | Acenaphthene               | 1.049 | 1.061 | -1.1   | 87    | 0.00     |
| 53   | 3-Nitroaniline             | 0.278 | 0.285 | -2.5   | 84    | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 0.093 | 0.142 | -52.7# | 120   | 0.00     |
| 55   | Dibenzofuran               | 1.505 | 1.482 | 1.5    | 85    | 0.00     |
| 56 P | 4-Nitrophenol              | 0.214 | 0.216 | -0.9   | 80    | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 0.332 | 0.371 | -11.7  | 89    | 0.00     |
| 58   | Fluorene                   | 1.146 | 1.115 | 2.7    | 86    | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 0.309 | 0.321 | -3.9   | 89    | 0.00     |
| 60   | Diethylphthalate           | 1.223 | 1.183 | 3.3    | 83    | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 0.579 | 0.577 | 0.3    | 87    | 0.00     |
| 62   | 4-Nitroaniline             | 0.263 | 0.268 | -1.9   | 83    | 0.00     |
| 63   | Azobenzene                 | 1.297 | 1.207 | 6.9    | 79    | 0.00     |
| 64 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0    | 83    | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 0.082 | 0.115 | -40.2# | 110   | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 0.599 | 0.597 | 0.3    | 83    | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 0.206 | 0.220 | -6.8   | 90    | 0.00     |
| 68   | Hexachlorobenzene          | 0.232 | 0.242 | -4.3   | 87    | 0.00     |
| 69   | Atrazine                   | 0.162 | 0.163 | -0.6   | 78    | 0.00     |
| 70 C | Pentachlorophenol          | 0.141 | 0.159 | -12.8  | 87    | 0.00     |
| 71   | Phenanthrene               | 0.945 | 0.922 | 2.4    | 82    | 0.00     |
| 72   | Anthracene                 | 0.922 | 0.910 | 1.3    | 83    | 0.00     |
| 73   | Carbazole                  | 0.857 | 0.810 | 5.5    | 80    | 0.00     |
| 74   | Di-n-butylphthalate        | 0.990 | 0.945 | 4.5    | 77    | 0.00     |
| 75 C | Fluoranthene               | 0.955 | 0.896 | 6.2    | 79    | 0.00     |
| 76 I | Chrysene-d12               | 1.000 | 1.000 | 0.0    | 77    | 0.00     |
| 77   | Benzydine                  | 0.329 | 0.542 | -64.7# | 113   | 0.00     |
| 78   | Pyrene                     | 1.751 | 1.855 | -5.9   | 79    | 0.00     |
| 79 S | Terphenyl-d14              | 1.227 | 1.306 | -6.4   | 80    | 0.00     |
| 80   | Butylbenzylphthalate       | 0.525 | 0.544 | -3.6   | 75    | 0.00     |
| 81   | Benzo(a)anthracene         | 1.302 | 1.322 | -1.5   | 76    | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 0.380 | 0.435 | -14.5  | 86    | 0.00     |
| 83   | Chrysene                   | 1.194 | 1.125 | 5.8    | 74    | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 0.589 | 0.627 | -6.5   | 77    | 0.00     |
| 85 c | Di-n-octyl phthalate       | 1.071 | 1.102 | -2.9   | 74    | 0.00     |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0    | 84    | 0.00     |
| 87   | Indeno(1,2,3-cd)pyrene     | 1.287 | 1.386 | -7.7   | 87    | 0.00     |
| 88   | Benzo(b)fluoranthene       | 1.218 | 1.087 | 10.8   | 77    | 0.00     |
| 89   | Benzo(k)fluoranthene       | 1.051 | 1.032 | 1.8    | 82    | 0.00     |
| 90 C | Benzo(a)pyrene             | 1.002 | 0.984 | 1.8    | 81    | 0.00     |
| 91   | Dibenzo(a,h)anthracene     | 1.073 | 1.154 | -7.5   | 87    | 0.00     |
| 92   | Benzo(g,h,i)perylene       | 1.072 | 1.167 | -8.9   | 87    | 0.00     |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102424\  
Data File : BF140001.D  
Acq On : 24 Oct 2024 15:16  
Operator : RC/JU  
Sample : SSTDCCC040  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_F  
LabSampleId :  
SSTDCCC040

Quant Time: Oct 24 16:03:07 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101824.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Oct 18 15:07:50 2024  
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
Max. RRF Dev : 25% Max. Rel. Area : 150%

| Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|----------|-------|------|------|-------|----------|
|----------|-------|------|------|-------|----------|

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102424\  
 Data File : BF140001.D  
 Acq On : 24 Oct 2024 15:16  
 Operator : RC/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Oct 24 16:03:07 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101824.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Oct 18 15:07:50 2024  
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 25% Max. Rel. Area : 150%

|      | Compound                    | Amount | Calc.  | %Dev  | Area% | Dev(min) |
|------|-----------------------------|--------|--------|-------|-------|----------|
| 1 I  | 1,4-Dichlorobenzene-d4      | 20.000 | 20.000 | 0.0   | 89    | 0.00     |
| 2    | 1,4-Dioxane                 | 40.000 | 38.479 | 3.8   | 87    | -0.02    |
| 3    | Pyridine                    | 40.000 | 38.153 | 4.6   | 84    | -0.01    |
| 4    | n-Nitrosodimethylamine      | 40.000 | 34.702 | 13.2  | 76    | -0.01    |
| 5 S  | 2-Fluorophenol              | 80.000 | 75.672 | 5.4   | 84    | 0.00     |
| 6    | Aniline                     | 40.000 | 37.209 | 7.0   | 81    | 0.00     |
| 7 S  | Phenol-d6                   | 80.000 | 73.541 | 8.1   | 83    | 0.00     |
| 8    | 2-Chlorophenol              | 40.000 | 38.564 | 3.6   | 86    | 0.00     |
| 9    | Benzaldehyde                | 40.000 | 40.001 | -0.0  | 88    | 0.00     |
| 10 C | Phenol                      | 40.000 | 37.544 | 6.1   | 84    | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 40.000 | 38.186 | 4.5   | 87    | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 40.000 | 39.005 | 2.5   | 87    | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 40.000 | 39.154 | 2.1   | 88    | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 40.000 | 39.134 | 2.2   | 89    | 0.00     |
| 15   | Benzyl Alcohol              | 40.000 | 37.266 | 6.8   | 83    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 40.000 | 34.654 | 13.4  | 77    | 0.00     |
| 17   | 2-Methylphenol              | 40.000 | 37.597 | 6.0   | 84    | 0.00     |
| 18   | Hexachloroethane            | 40.000 | 39.364 | 1.6   | 87    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 40.000 | 35.422 | 11.4  | 81    | 0.00     |
| 20   | 3+4-Methylphenols           | 40.000 | 37.117 | 7.2   | 83    | 0.00     |
| 21 I | Naphthalene-d8              | 20.000 | 20.000 | 0.0   | 86    | 0.00     |
| 22   | Acetophenone                | 40.000 | 38.519 | 3.7   | 84    | 0.00     |
| 23 S | Nitrobenzene-d5             | 80.000 | 82.969 | -3.7  | 87    | 0.00     |
| 24   | Nitrobenzene                | 40.000 | 40.170 | -0.4  | 85    | 0.00     |
| 25   | Isophorone                  | 40.000 | 38.266 | 4.3   | 83    | 0.00     |
| 26 C | 2-Nitrophenol               | 40.000 | 47.835 | -19.6 | 98    | 0.00     |
| 27   | 2,4-Dimethylphenol          | 40.000 | 38.208 | 4.5   | 83    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 40.000 | 39.197 | 2.0   | 85    | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 40.000 | 40.223 | -0.6  | 87    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 40.000 | 40.717 | -1.8  | 87    | 0.00     |
| 31   | Naphthalene                 | 40.000 | 39.358 | 1.6   | 86    | 0.00     |
| 32   | Benzoic acid                | 40.000 | 44.404 | -11.0 | 95    | 0.00     |
| 33   | 4-Chloroaniline             | 40.000 | 38.210 | 4.5   | 82    | 0.00     |
| 34 C | Hexachlorobutadiene         | 40.000 | 41.298 | -3.2  | 89    | 0.00     |
| 35   | Caprolactam                 | 40.000 | 39.419 | 1.5   | 83    | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 40.000 | 38.961 | 2.6   | 84    | 0.00     |
| 37   | 2-Methylnaphthalene         | 40.000 | 39.467 | 1.3   | 86    | 0.00     |
| 38   | 1-Methylnaphthalene         | 40.000 | 39.253 | 1.9   | 86    | 0.00     |
| 39 I | Acenaphthene-d10            | 20.000 | 20.000 | 0.0   | 86    | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 40.000 | 41.507 | -3.8  | 89    | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 40.000 | 42.369 | -5.9  | 86    | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 80.000 | 88.611 | -10.8 | 95    | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 40.000 | 40.531 | -1.3  | 86    | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 40.000 | 42.166 | -5.4  | 89    | 0.00     |
| 45 S | 2-Fluorobiphenyl            | 80.000 | 79.111 | 1.1   | 88    | 0.00     |
| 46   | 1,1'-Biphenyl               | 40.000 | 40.017 | -0.0  | 87    | 0.00     |
| 47   | 2-Chloronaphthalene         | 40.000 | 40.195 | -0.5  | 87    | 0.00     |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102424\  
 Data File : BF140001.D  
 Acq On : 24 Oct 2024 15:16  
 Operator : RC/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Oct 24 16:03:07 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101824.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Oct 18 15:07:50 2024  
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 25% Max. Rel. Area : 150%

|      | Compound                   | Amount | Calc.  | %Dev   | Area% | Dev(min) |
|------|----------------------------|--------|--------|--------|-------|----------|
| 48   | 2-Nitroaniline             | 40.000 | 42.983 | -7.5   | 87    | 0.00     |
| 49   | Acenaphthylene             | 40.000 | 39.476 | 1.3    | 85    | 0.00     |
| 50   | Dimethylphthalate          | 40.000 | 39.563 | 1.1    | 85    | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 40.000 | 43.315 | -8.3   | 89    | 0.00     |
| 52 C | Acenaphthene               | 40.000 | 40.473 | -1.2   | 87    | 0.00     |
| 53   | 3-Nitroaniline             | 40.000 | 41.030 | -2.6   | 84    | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 40.000 | 52.914 | -32.3# | 120   | 0.00     |
| 55   | Dibenzofuran               | 40.000 | 39.406 | 1.5    | 85    | 0.00     |
| 56 P | 4-Nitrophenol              | 40.000 | 40.368 | -0.9   | 80    | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 40.000 | 44.750 | -11.9  | 89    | 0.00     |
| 58   | Fluorene                   | 40.000 | 38.903 | 2.7    | 86    | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 41.495 | -3.7   | 89    | 0.00     |
| 60   | Diethylphthalate           | 40.000 | 38.673 | 3.3    | 83    | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 40.000 | 39.877 | 0.3    | 87    | 0.00     |
| 62   | 4-Nitroaniline             | 40.000 | 40.734 | -1.8   | 83    | 0.00     |
| 63   | Azobenzene                 | 40.000 | 37.225 | 6.9    | 79    | 0.00     |
| 64 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0    | 83    | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 40.000 | 56.462 | -41.2# | 110   | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 40.000 | 39.892 | 0.3    | 83    | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 40.000 | 42.680 | -6.7   | 90    | 0.00     |
| 68   | Hexachlorobenzene          | 40.000 | 41.827 | -4.6   | 87    | 0.00     |
| 69   | Atrazine                   | 40.000 | 40.265 | -0.7   | 78    | 0.00     |
| 70 C | Pentachlorophenol          | 40.000 | 45.178 | -12.9  | 87    | 0.00     |
| 71   | Phenanthrene               | 40.000 | 39.028 | 2.4    | 82    | 0.00     |
| 72   | Anthracene                 | 40.000 | 39.491 | 1.3    | 83    | 0.00     |
| 73   | Carbazole                  | 40.000 | 37.808 | 5.5    | 80    | 0.00     |
| 74   | Di-n-butylphthalate        | 40.000 | 38.163 | 4.6    | 77    | 0.00     |
| 75 C | Fluoranthene               | 40.000 | 37.517 | 6.2    | 79    | 0.00     |
| 76 I | Chrysene-d12               | 20.000 | 20.000 | 0.0    | 77    | 0.00     |
| 77   | Benzydine                  | 40.000 | 65.959 | -64.9# | 113   | 0.00     |
| 78   | Pyrene                     | 40.000 | 42.378 | -5.9   | 79    | 0.00     |
| 79 S | Terphenyl-d14              | 80.000 | 85.096 | -6.4   | 80    | 0.00     |
| 80   | Butylbenzylphthalate       | 40.000 | 41.445 | -3.6   | 75    | 0.00     |
| 81   | Benzo(a)anthracene         | 40.000 | 40.605 | -1.5   | 76    | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 40.000 | 45.786 | -14.5  | 86    | 0.00     |
| 83   | Chrysene                   | 40.000 | 37.681 | 5.8    | 74    | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 40.000 | 42.582 | -6.5   | 77    | 0.00     |
| 85 c | Di-n-octyl phthalate       | 40.000 | 41.159 | -2.9   | 74    | 0.00     |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0    | 84    | 0.00     |
| 87   | Indeno(1,2,3-cd)pyrene     | 40.000 | 43.090 | -7.7   | 87    | 0.00     |
| 88   | Benzo(b)fluoranthene       | 40.000 | 35.677 | 10.8   | 77    | 0.00     |
| 89   | Benzo(k)fluoranthene       | 40.000 | 39.299 | 1.8    | 82    | 0.00     |
| 90 C | Benzo(a)pyrene             | 40.000 | 39.262 | 1.8    | 81    | 0.00     |
| 91   | Dibenzo(a,h)anthracene     | 40.000 | 43.023 | -7.6   | 87    | 0.00     |
| 92   | Benzo(g,h,i)perylene       | 40.000 | 43.554 | -8.9   | 87    | 0.00     |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102424\  
Data File : BF140001.D  
Acq On : 24 Oct 2024 15:16  
Operator : RC/JU  
Sample : SSTDCCC040  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_F  
LabSampleId :  
SSTDCCC040

Quant Time: Oct 24 16:03:07 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101824.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Oct 18 15:07:50 2024  
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
Max. RRF Dev : 25% Max. Rel. Area : 150%

| Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|----------|--------|-------|------|-------|----------|
|----------|--------|-------|------|-------|----------|

(#) = Out of Range                      SPCC's out = 0    CCC's out = 0



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

7C

## SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4471 SAS No.: P4471 SDG No.: P4471

Instrument ID: BNA\_F Calibration Date/Time: 10/26/2024 10:38

Lab File ID: BF140050.D Init. Calib. Date(s): 10/18/2024 10/18/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:27 13:46

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

| COMPOUND                    | RRF   | RRF040 | MIN<br>RRF | %D    | MAX%D |
|-----------------------------|-------|--------|------------|-------|-------|
| 2-Fluorophenol              | 1.278 | 1.220  |            | -4.5  |       |
| Benzaldehyde                | 0.931 | 0.910  |            | -2.3  |       |
| Phenol-d6                   | 1.655 | 1.531  |            | -7.5  |       |
| Phenol                      | 1.706 | 1.580  |            | -7.4  | 20.0  |
| bis(2-Chloroethyl)ether     | 1.319 | 1.223  |            | -7.3  |       |
| 2-Chlorophenol              | 1.306 | 1.244  |            | -4.7  |       |
| 2-Methylphenol              | 1.114 | 1.029  |            | -7.6  |       |
| 2,2-oxybis(1-Chloropropane) | 2.248 | 1.911  |            | -15.0 |       |
| Acetophenone                | 0.490 | 0.475  |            | -3.1  |       |
| 3+4-Methylphenols           | 1.424 | 1.308  |            | -8.1  |       |
| n-Nitroso-di-n-propylamine  | 1.004 | 0.873  | 0.050      | -13.0 |       |
| Nitrobenzene-d5             | 0.361 | 0.380  |            | 5.3   |       |
| Hexachloroethane            | 0.534 | 0.520  |            | -2.6  |       |
| Nitrobenzene                | 0.396 | 0.399  |            | 0.8   |       |
| Isophorone                  | 0.685 | 0.645  |            | -5.8  |       |
| 2-Nitrophenol               | 0.149 | 0.164  |            | 10.1  | 20.0  |
| 2,4-Dimethylphenol          | 0.249 | 0.232  |            | -6.8  |       |
| bis(2-Chloroethoxy)methane  | 0.415 | 0.393  |            | -5.3  |       |
| 2,4-Dichlorophenol          | 0.283 | 0.279  |            | -1.4  | 20.0  |
| Naphthalene                 | 1.031 | 1.028  |            | -0.3  |       |
| 4-Chloroaniline             | 0.352 | 0.343  |            | -2.6  |       |
| Hexachlorobutadiene         | 0.197 | 0.204  |            | 3.6   | 20.0  |
| Caprolactam                 | 0.090 | 0.088  |            | -2.2  |       |
| 4-Chloro-3-methylphenol     | 0.314 | 0.307  |            | -2.2  | 20.0  |
| 2-Methylnaphthalene         | 0.632 | 0.618  |            | -2.2  |       |
| Hexachlorocyclopentadiene   | 0.188 | 0.191  | 0.050      | 1.6   |       |
| 2,4,6-Trichlorophenol       | 0.382 | 0.374  |            | -2.1  | 20.0  |
| 2-Fluorobiphenyl            | 1.210 | 1.211  |            | 0.1   |       |
| 2,4,5-Trichlorophenol       | 0.394 | 0.414  |            | 5.1   |       |
| 1,1-Biphenyl                | 1.392 | 1.391  |            | -0.1  |       |
| 2-Chloronaphthalene         | 1.121 | 1.129  |            | 0.7   |       |
| 2-Nitroaniline              | 0.343 | 0.375  |            | 9.3   |       |
| Dimethylphthalate           | 1.246 | 1.229  |            | -1.4  |       |
| Acenaphthylene              | 1.621 | 1.628  |            | 0.4   |       |
| 2,6-Dinitrotoluene          | 0.270 | 0.290  |            | 7.4   |       |
| 3-Nitroaniline              | 0.278 | 0.298  |            | 7.2   |       |
| Acenaphthene                | 1.049 | 1.058  |            | 0.9   | 20.0  |
| 2,4-Dinitrophenol           | 0.093 | 0.126  | 0.050      | 35.5  |       |
| 4-Nitrophenol               | 0.214 | 0.229  | 0.050      | 7.0   |       |



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

7C

## SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4471 SAS No.: P4471 SDG No.: P4471

Instrument ID: BNA\_F Calibration Date/Time: 10/26/2024 10:38

Lab File ID: BF140050.D Init. Calib. Date(s): 10/18/2024 10/18/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:27 13:46

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

| COMPOUND                   | RRF   | RRF040 | MIN<br>RRF | %D    | MAX%D |
|----------------------------|-------|--------|------------|-------|-------|
| Dibenzofuran               | 1.505 | 1.491  |            | -0.9  |       |
| 2,4-Dinitrotoluene         | 0.332 | 0.383  |            | 15.4  |       |
| Diethylphthalate           | 1.223 | 1.181  |            | -3.4  |       |
| 4-Chlorophenyl-phenylether | 0.579 | 0.581  |            | 0.3   |       |
| Fluorene                   | 1.146 | 1.149  |            | 0.3   |       |
| 4-Nitroaniline             | 0.263 | 0.289  |            | 9.9   |       |
| 4,6-Dinitro-2-methylphenol | 0.082 | 0.104  |            | 26.8  |       |
| n-Nitrosodiphenylamine     | 0.599 | 0.572  |            | -4.5  | 20.0  |
| 2,4,6-Tribromophenol       | 0.187 | 0.204  |            | 9.1   |       |
| 4-Bromophenyl-phenylether  | 0.206 | 0.202  |            | -1.9  |       |
| Hexachlorobenzene          | 0.232 | 0.233  |            | 0.4   |       |
| Atrazine                   | 0.162 | 0.156  |            | -3.7  |       |
| Pentachlorophenol          | 0.141 | 0.152  |            | 7.8   | 20.0  |
| Phenanthrene               | 0.945 | 0.913  |            | -3.4  |       |
| Anthracene                 | 0.922 | 0.901  |            | -2.3  |       |
| Carbazole                  | 0.857 | 0.832  |            | -2.9  |       |
| Di-n-butylphthalate        | 0.990 | 0.946  |            | -4.4  |       |
| Fluoranthene               | 0.955 | 0.965  |            | 1.0   | 20.0  |
| Pyrene                     | 1.751 | 1.811  |            | 3.4   |       |
| Terphenyl-d14              | 1.227 | 1.258  |            | 2.5   |       |
| Butylbenzylphthalate       | 0.525 | 0.551  |            | 5.0   |       |
| 3,3-Dichlorobenzidine      | 0.380 | 0.409  |            | 7.6   |       |
| Benzo (a) anthracene       | 1.302 | 1.311  |            | 0.7   |       |
| Chrysene                   | 1.194 | 1.157  |            | -3.1  |       |
| Bis(2-ethylhexyl)phthalate | 0.589 | 0.606  |            | 2.9   |       |
| Di-n-octyl phthalate       | 1.071 | 0.894  |            | -16.5 | 20.0  |
| Benzo (b) fluoranthene     | 1.218 | 1.154  |            | -5.3  |       |
| Benzo (k) fluoranthene     | 1.051 | 1.063  |            | 1.1   |       |
| Benzo (a) pyrene           | 1.002 | 1.013  |            | 1.1   | 20.0  |
| Indeno (1,2,3-cd) pyrene   | 1.287 | 1.303  |            | 1.2   |       |
| Dibenzo (a,h) anthracene   | 1.073 | 1.070  |            | -0.3  |       |
| Benzo (g,h,i) perylene     | 1.072 | 1.111  |            | 3.6   |       |
| 1,2,4,5-Tetrachlorobenzene | 0.540 | 0.555  |            | 2.8   |       |
| 1,4-Dioxane                | 0.596 | 0.584  |            | -2.0  | 20.0  |
| 2,3,4,6-Tetrachlorophenol  | 0.309 | 0.315  |            | 1.9   |       |

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102624\  
 Data File : BF140050.D  
 Acq On : 26 Oct 2024 10:38  
 Operator : RC/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

## Instrument :

BNA\_F

## ClientSampleId :

SSTDCCC040

## Manual Integrations

## APPROVED

Reviewed By :Yogesh Patel 10/29/2024

Supervised By :mohammad ahmed 10/29/2024

Quant Time: Oct 28 01:04:37 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101824.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Oct 18 15:07:50 2024

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.892  | 152  | 128827   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.175  | 136  | 465620   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.928  | 164  | 252523   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.416 | 188  | 452033   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 14.051 | 240  | 241717   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12              | 15.533 | 264  | 235878   | 20.000 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.498  | 112  | 628864   | 76.419 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.510  | 99   | 789164   | 74.043 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.451  | 82   | 708619   | 84.348 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.716 | 330  | 205981   | 87.205 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.245  | 172  | 1223250  | 80.059 | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.998 | 244  | 1215864  | 81.965 | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.669  | 88   | 150421   | 39.204 | ng    | 95       |
| 3) Pyridine                   | 3.434  | 79   | 367370   | 38.628 | ng    | 96       |
| 4) n-Nitrosodimethylamine     | 3.387  | 42   | 190956   | 37.371 | ng    | 99       |
| 6) Aniline                    | 6.551  | 93   | 368957   | 37.144 | ng    | 99       |
| 8) 2-Chlorophenol             | 6.675  | 128  | 320586   | 38.107 | ng    | 98       |
| 9) Benzaldehyde               | 6.440  | 77   | 234371   | 39.089 | ng    | 98       |
| 10) Phenol                    | 6.528  | 94   | 407135m  | 37.053 | ng    |          |
| 11) bis(2-Chloroethyl)ether   | 6.628  | 93   | 315031   | 37.093 | ng    | 98       |
| 12) 1,3-Dichlorobenzene       | 6.834  | 146  | 380517   | 39.403 | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 6.910  | 146  | 381820   | 39.575 | ng    | 98       |
| 14) 1,2-Dichlorobenzene       | 7.063  | 146  | 352670   | 39.166 | ng    | 99       |
| 15) Benzyl Alcohol            | 7.028  | 79   | 290777   | 37.193 | ng    | 99       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.163  | 45   | 492247   | 33.991 | ng    | 98       |
| 17) 2-Methylphenol            | 7.134  | 107  | 265251   | 36.976 | ng    | 99       |
| 18) Hexachloroethane          | 7.404  | 117  | 133886   | 38.915 | ng    | 96       |
| 19) n-Nitroso-di-n-propyla... | 7.304  | 70   | 225036   | 34.813 | ng    | 96       |
| 20) 3+4-Methylphenols         | 7.287  | 107  | 337114   | 36.741 | ng    | 97       |
| 22) Acetophenone              | 7.298  | 105  | 442717   | 38.819 | ng    | 98       |
| 24) Nitrobenzene              | 7.475  | 77   | 371997   | 40.387 | ng    | 99       |
| 25) Isophorone                | 7.710  | 82   | 600543   | 37.663 | ng    | 100      |
| 26) 2-Nitrophenol             | 7.787  | 139  | 152898   | 44.001 | ng    | 98       |
| 27) 2,4-Dimethylphenol        | 7.816  | 122  | 215623   | 37.214 | ng    | 98       |
| 28) bis(2-Chloroethoxy)met... | 7.916  | 93   | 366191   | 37.905 | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 8.022  | 162  | 259831   | 39.370 | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 8.110  | 180  | 297397   | 40.725 | ng    | 99       |
| 31) Naphthalene               | 8.192  | 128  | 957179   | 39.859 | ng    | 100      |
| 32) Benzoic acid              | 7.922  | 122  | 196406   | 38.864 | ng    | 99       |
| 33) 4-Chloroaniline           | 8.239  | 127  | 319573   | 39.027 | ng    | 98       |
| 34) Hexachlorobutadiene       | 8.310  | 225  | 190352   | 41.486 | ng    | 99       |
| 35) Caprolactam               | 8.610  | 113  | 82029    | 39.090 | ng    | 92       |
| 36) 4-Chloro-3-methylphenol   | 8.716  | 107  | 286338   | 39.183 | ng    | 98       |
| 37) 2-Methylnaphthalene       | 8.886  | 142  | 575923   | 39.160 | ng    | 99       |
| 38) 1-Methylnaphthalene       | 8.986  | 142  | 563589   | 39.059 | ng    | 100      |
| 40) 1,2,4,5-Tetrachloroben... | 9.051  | 216  | 280380   | 41.156 | ng    | 100      |
| 41) Hexachlorocyclopentadiene | 9.039  | 237  | 96240    | 40.599 | ng    | 100      |
| 43) 2,4,6-Trichlorophenol     | 9.157  | 196  | 189095   | 39.204 | ng    | 100      |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102624\  
 Data File : BF140050.D  
 Acq On : 26 Oct 2024 10:38  
 Operator : RC/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

## Instrument :

BNA\_F

## ClientSampleId :

SSTDCCC040

## Manual Integrations

## APPROVED

Reviewed By :Yogesh Patel 10/29/2024

Supervised By :mohammad ahmed 10/29/2024

Quant Time: Oct 28 01:04:37 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101824.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Oct 18 15:07:50 2024

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.198  | 196  | 209100   | 42.019 | ng    | 98       |
| 46) 1,1'-Biphenyl             | 9.351  | 154  | 702753   | 39.976 | ng    | 99       |
| 47) 2-Chloronaphthalene       | 9.375  | 162  | 569969   | 40.256 | ng    | 100      |
| 48) 2-Nitroaniline            | 9.463  | 65   | 189346   | 43.726 | ng    | 97       |
| 49) Acenaphthylene            | 9.792  | 152  | 822402   | 40.178 | ng    | 99       |
| 50) Dimethylphthalate         | 9.645  | 163  | 620788   | 39.467 | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 9.710  | 165  | 146590   | 43.043 | ng    | 95       |
| 52) Acenaphthene              | 9.963  | 154  | 534118   | 40.337 | ng    | 99       |
| 53) 3-Nitroaniline            | 9.875  | 138  | 150273   | 42.788 | ng    | 98       |
| 54) 2,4-Dinitrophenol         | 9.980  | 184  | 63575    | 47.791 | ng    | # 1      |
| 55) Dibenzofuran              | 10.133 | 168  | 753272   | 39.650 | ng    | 99       |
| 56) 4-Nitrophenol             | 10.022 | 139  | 115811   | 42.861 | ng    | 98       |
| 57) 2,4-Dinitrotoluene        | 10.110 | 165  | 193550   | 46.215 | ng    | 97       |
| 58) Fluorene                  | 10.475 | 166  | 580262   | 40.101 | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.245 | 232  | 158963   | 40.748 | ng    | 98       |
| 60) Diethylphthalate          | 10.345 | 149  | 596467   | 38.622 | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 10.469 | 204  | 293294   | 40.136 | ng    | 99       |
| 62) 4-Nitroaniline            | 10.486 | 138  | 145969   | 44.006 | ng    | 98       |
| 63) Azobenzene                | 10.628 | 77   | 604466   | 36.919 | ng    | 97       |
| 65) 4,6-Dinitro-2-methylph... | 10.516 | 198  | 94428    | 51.213 | ng    | 95       |
| 66) n-Nitrosodiphenylamine    | 10.586 | 169  | 516725   | 38.193 | ng    | 100      |
| 67) 4-Bromophenyl-phenylether | 10.957 | 248  | 182651   | 39.222 | ng    | 98       |
| 68) Hexachlorobenzene         | 11.022 | 284  | 210271   | 40.149 | ng    | 98       |
| 69) Atrazine                  | 11.110 | 200  | 141427   | 38.590 | ng    | 98       |
| 70) Pentachlorophenol         | 11.216 | 266  | 137449   | 43.242 | ng    | 99       |
| 71) Phenanthrene              | 11.439 | 178  | 825275   | 38.651 | ng    | 100      |
| 72) Anthracene                | 11.492 | 178  | 814682   | 39.105 | ng    | 100      |
| 73) Carbazole                 | 11.645 | 167  | 752228   | 38.824 | ng    | 99       |
| 74) Di-n-butylphthalate       | 11.975 | 149  | 855272   | 38.208 | ng    | 100      |
| 75) Fluoranthene              | 12.627 | 202  | 872425   | 40.418 | ng    | 99       |
| 77) Benzidine                 | 12.745 | 184  | 218225   | 54.904 | ng    | 99       |
| 78) Pyrene                    | 12.857 | 202  | 875493   | 41.378 | ng    | 100      |
| 80) Butylbenzylphthalate      | 13.469 | 149  | 266392   | 41.996 | ng    | 98       |
| 81) Benzo(a)anthracene        | 14.045 | 228  | 634008   | 40.293 | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine    | 14.004 | 252  | 197714   | 43.096 | ng    | 98       |
| 83) Chrysene                  | 14.080 | 228  | 559543   | 38.784 | ng    | 100      |
| 84) Bis(2-ethylhexyl)phtha... | 14.027 | 149  | 293086   | 41.182 | ng    | 99       |
| 85) Di-n-octyl phthalate      | 14.645 | 149  | 432082   | 33.379 | ng    | 98       |
| 87) Indeno(1,2,3-cd)pyrene    | 17.033 | 276  | 614705   | 40.509 | ng    | 97       |
| 88) Benzo(b)fluoranthene      | 15.098 | 252  | 544199   | 37.874 | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 15.127 | 252  | 501497   | 40.470 | ng    | 99       |
| 90) Benzo(a)pyrene            | 15.468 | 252  | 477754   | 40.409 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 17.051 | 278  | 504913   | 39.886 | ng    | 97       |
| 92) Benzo(g,h,i)perylene      | 17.486 | 276  | 523930   | 41.435 | ng    | 98       |

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

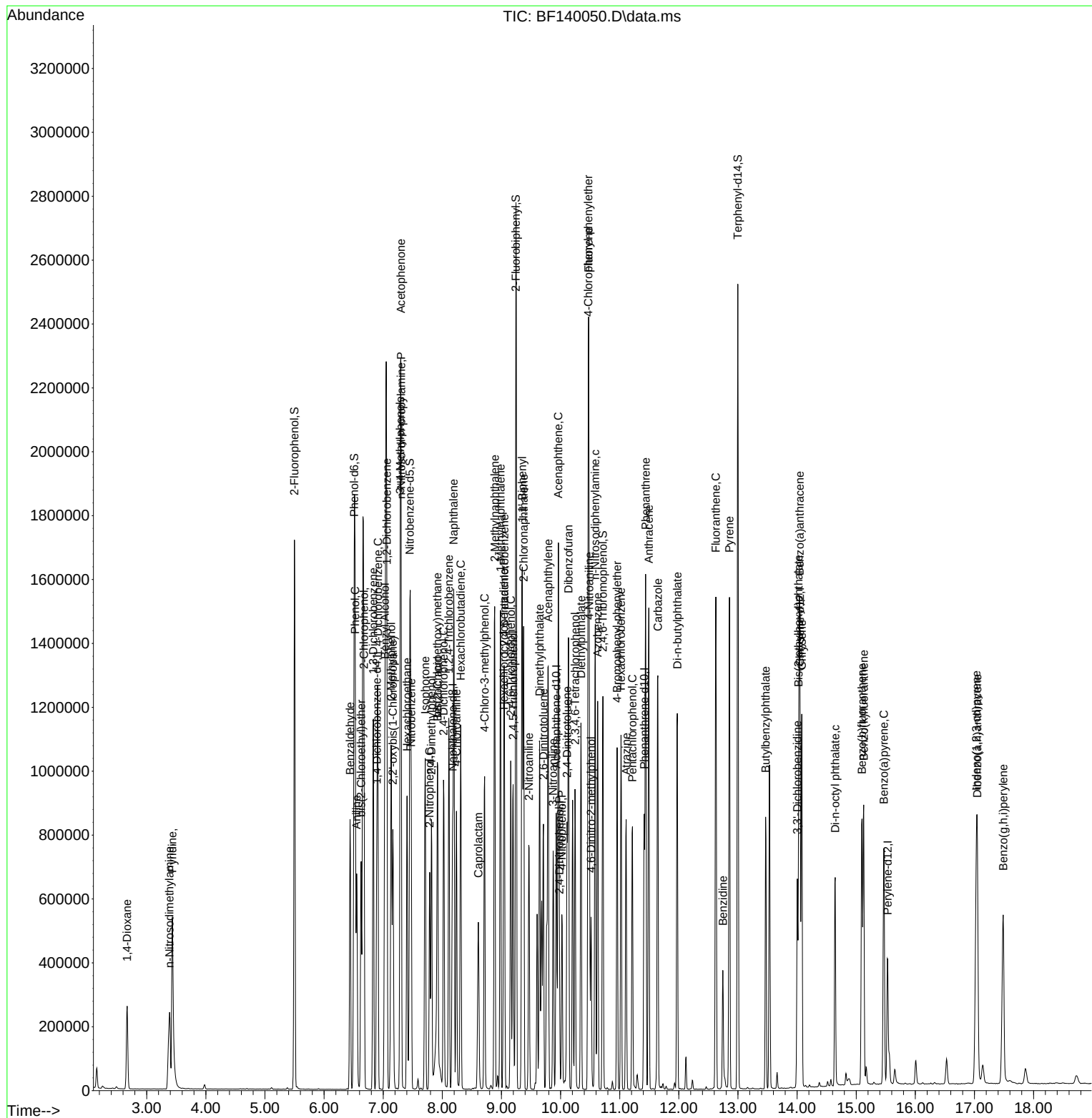
Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102624\  
Data File : BF140050.D  
Acq On : 26 Oct 2024 10:38  
Operator : RC/JU  
Sample : SSTDCCC040  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

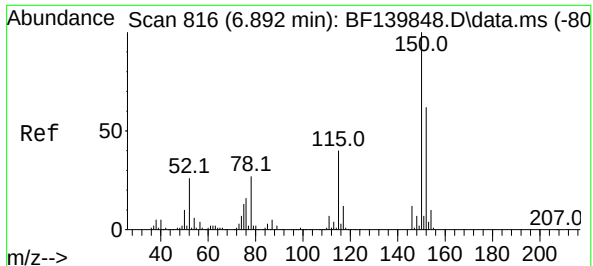
**Instrument :**  
BNA\_F  
**ClientSampleId :**  
SSTDCCC040

## Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/29/2024  
Supervised By :mohammad ahmed 10/29/2024

Quant Time: Oct 28 01:04:37 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101824.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Oct 18 15:07:50 2024  
Response via : Initial Calibration





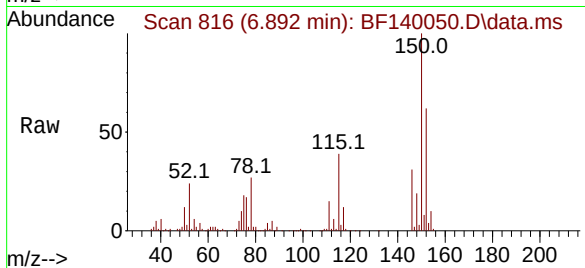
#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.892 min Scan# 81  
Delta R.T. 0.000 min  
Lab File: BF140050.D  
Acq: 26 Oct 2024 10:38

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

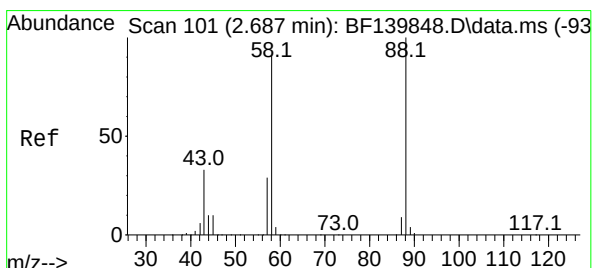
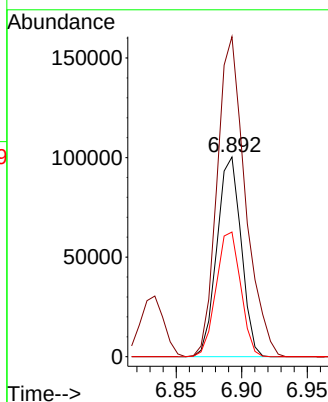
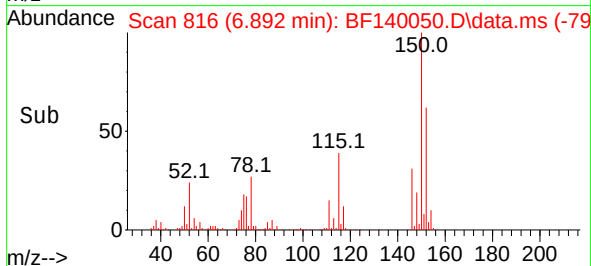


Tgt Ion:152 Resp: 12882  
Ion Ratio Lower Upper  
152 100  
150 160.2 130.2 195.2  
115 62.4 51.4 77.2

Manual Integrations

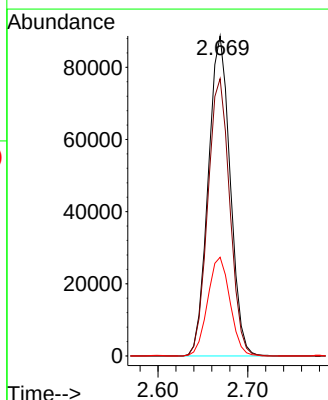
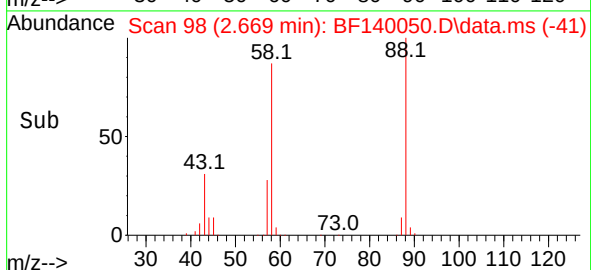
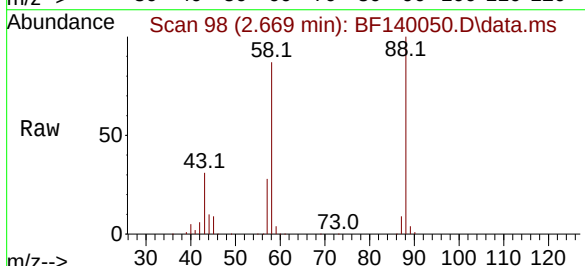
APPROVED

Reviewed By :Yogesh Patel 10/29/2024  
Supervised By :mohammad ahmed 10/29/2024

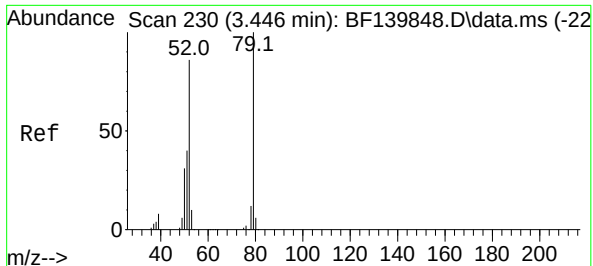


#2  
1,4-Dioxane  
Concen: 39.204 ng  
RT: 2.669 min Scan# 98  
Delta R.T. -0.018 min  
Lab File: BF140050.D  
Acq: 26 Oct 2024 10:38

Tgt Ion: 88 Resp: 150421  
Ion Ratio Lower Upper  
88 100  
58 86.6 73.3 109.9  
43 31.5 27.1 40.7







#3

Pyridine

Concen: 38.628 ng

RT: 3.434 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF140050.D

Acq: 26 Oct 2024 10:38

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 79 Resp: 367370

Ion Ratio Lower Upper

79 100

52 81.3 68.5 102.7

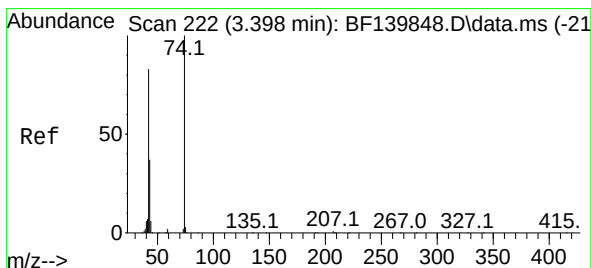
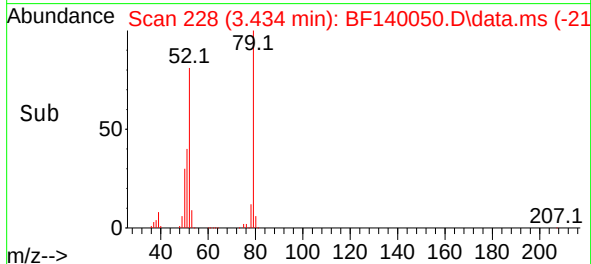
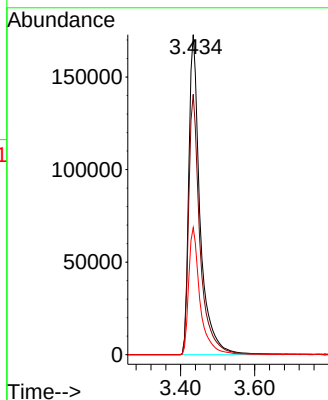
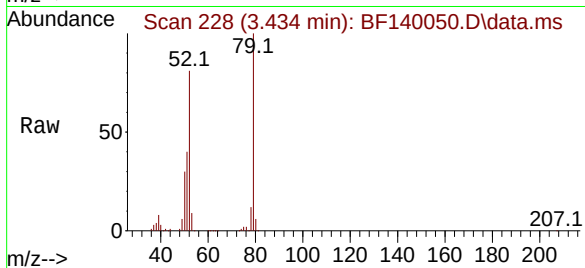
51 39.7 32.3 48.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/29/2024

Supervised By :mohammad ahmed 10/29/2024



#4

n-Nitrosodimethylamine

Concen: 37.371 ng

RT: 3.387 min Scan# 220

Delta R.T. -0.012 min

Lab File: BF140050.D

Acq: 26 Oct 2024 10:38

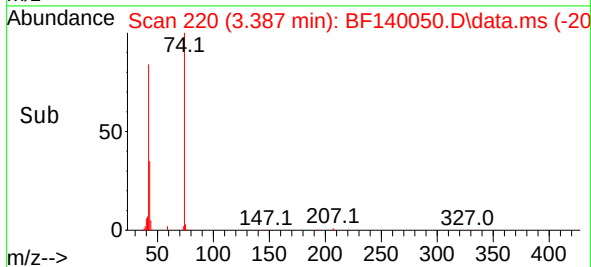
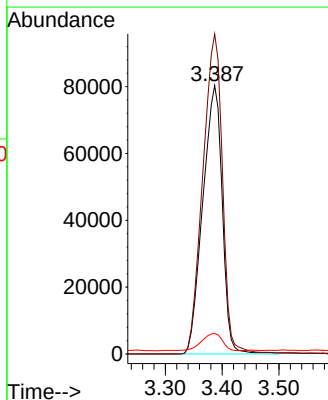
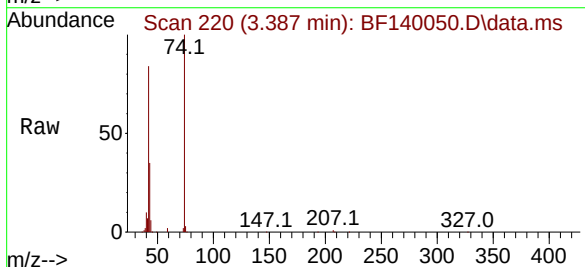
Tgt Ion: 42 Resp: 190956

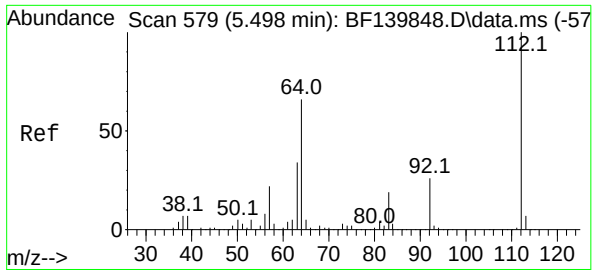
Ion Ratio Lower Upper

42 100

74 119.2 96.2 144.4

44 7.6 6.2 9.2





#5

2-Fluorophenol

Concen: 76.419 ng

RT: 5.498 min Scan# 51

Delta R.T. 0.000 min

Lab File: BF140050.D

Acq: 26 Oct 2024 10:38

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

Tgt Ion:112 Resp: 628864

Ion Ratio Lower Upper

112 100

64 64.9 53.0 79.6

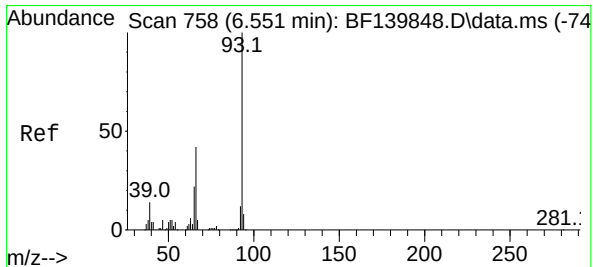
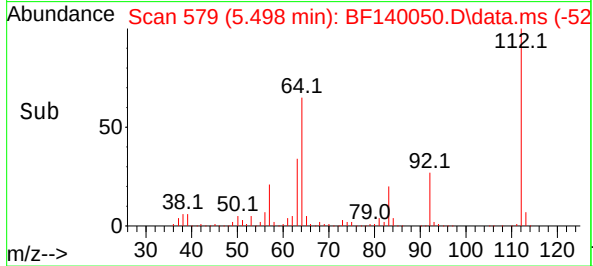
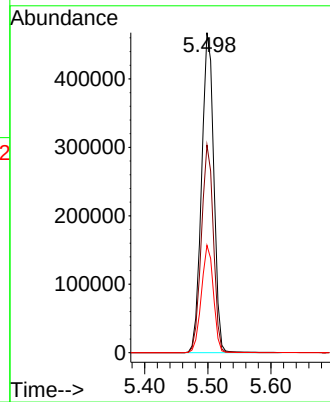
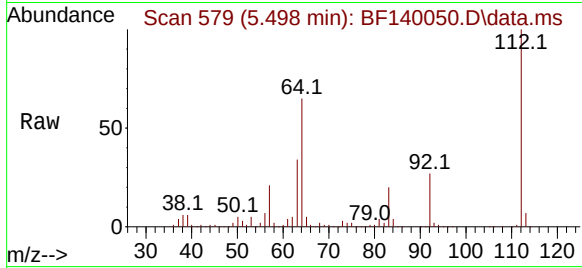
63 33.6 27.0 40.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/29/2024

Supervised By :mohammad ahmed 10/29/2024



#6

Aniline

Concen: 37.144 ng

RT: 6.551 min Scan# 758

Delta R.T. 0.000 min

Lab File: BF140050.D

Acq: 26 Oct 2024 10:38

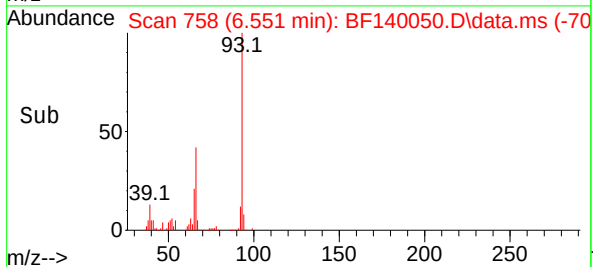
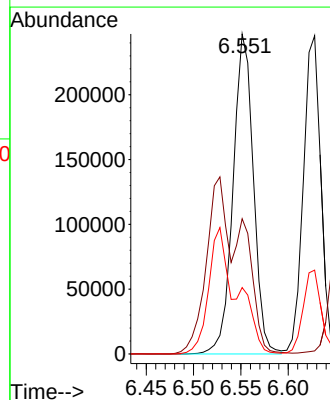
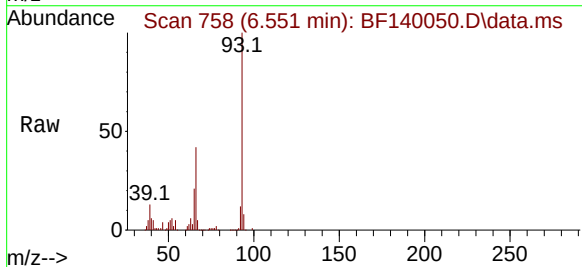
Tgt Ion: 93 Resp: 368957

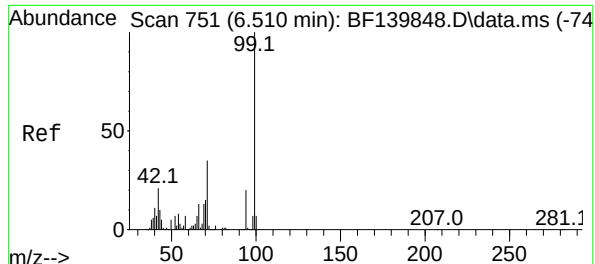
Ion Ratio Lower Upper

93 100

66 42.2 34.0 51.0

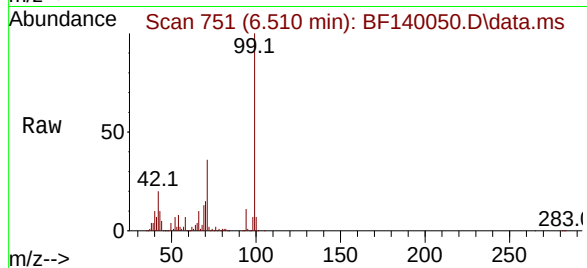
65 20.7 17.4 26.0





#7  
Phenol-d6  
Concen: 74.043 ng  
RT: 6.510 min Scan# 751  
Delta R.T. 0.000 min  
Lab File: BF140050.D  
Acq: 26 Oct 2024 10:38

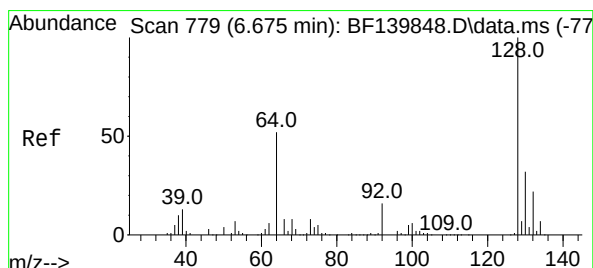
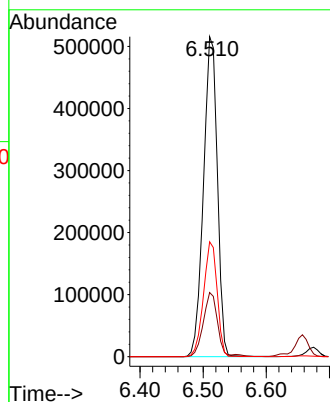
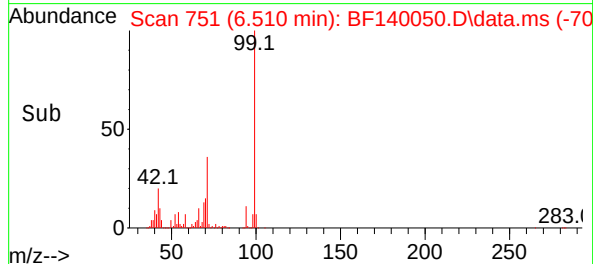
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040



Tgt Ion: 99 Resp: 789164  
Ion Ratio Lower Upper  
99 100  
42 20.0 16.7 25.1  
71 35.9 27.7 41.5

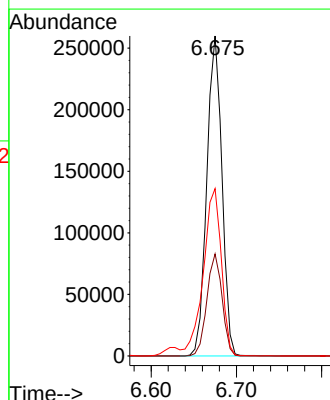
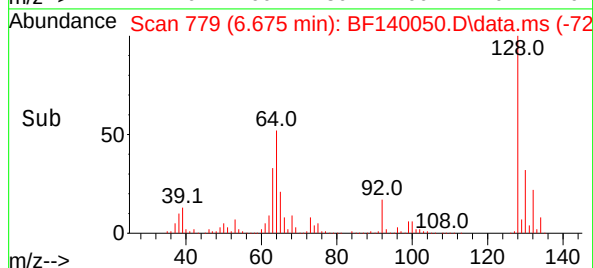
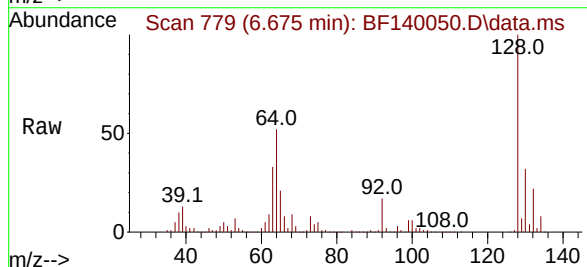
Manual Integrations  
APPROVED

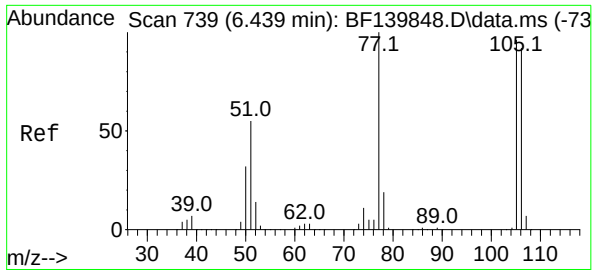
Reviewed By :Yogesh Patel 10/29/2024  
Supervised By :mohammad ahmed 10/29/2024



#8  
2-Chlorophenol  
Concen: 38.107 ng  
RT: 6.675 min Scan# 779  
Delta R.T. 0.000 min  
Lab File: BF140050.D  
Acq: 26 Oct 2024 10:38

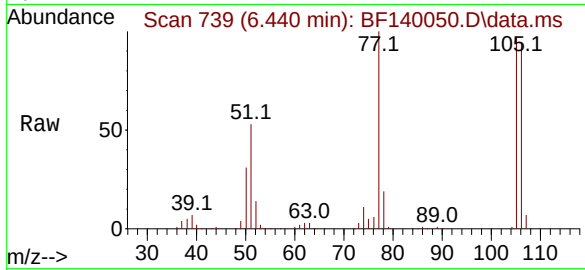
Tgt Ion:128 Resp: 320586  
Ion Ratio Lower Upper  
128 100  
130 31.9 12.3 52.3  
64 52.3 34.6 74.6





#9  
Benzaldehyde  
Concen: 39.089 ng  
RT: 6.440 min Scan# 740  
Delta R.T. 0.001 min  
Lab File: BF140050.D  
Acq: 26 Oct 2024 10:38

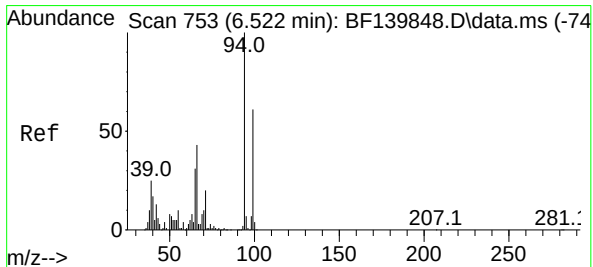
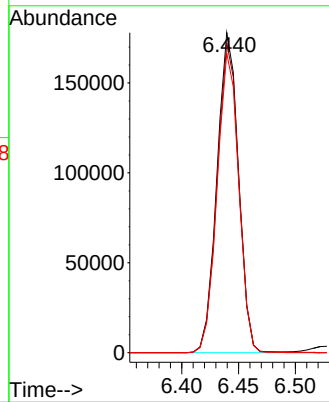
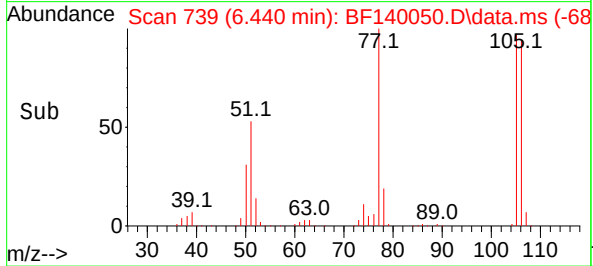
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040



Tgt Ion: 77 Resp: 23437  
Ion Ratio Lower Upper  
77 100  
105 96.7 75.5 115.5  
106 93.6 71.7 111.7

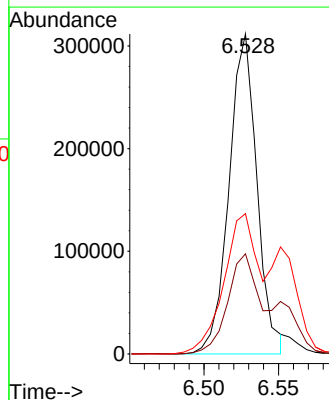
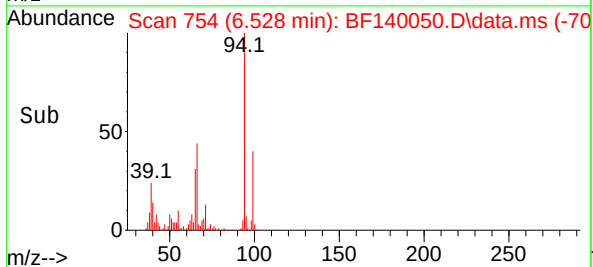
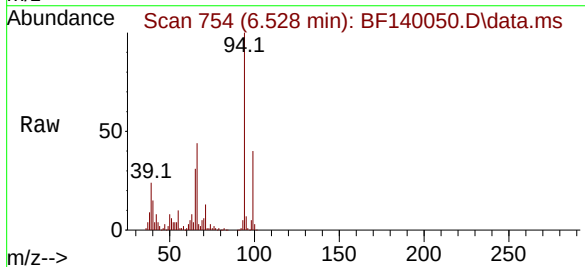
Manual Integrations  
**APPROVED**

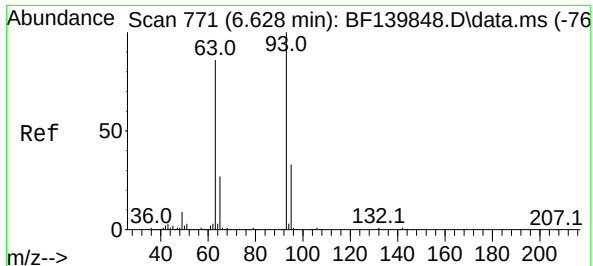
Reviewed By :Yogesh Patel 10/29/2024  
Supervised By :mohammad ahmed 10/29/2024



#10  
Phenol  
Concen: 37.053 ng m  
RT: 6.528 min Scan# 754  
Delta R.T. 0.006 min  
Lab File: BF140050.D  
Acq: 26 Oct 2024 10:38

Tgt Ion: 94 Resp: 407135  
Ion Ratio Lower Upper  
94 100  
65 31.3 11.1 51.1  
66 43.8 22.7 62.7





#11

bis(2-Chloroethyl)ether

Concen: 37.093 ng

RT: 6.628 min Scan# 771

Delta R.T. 0.000 min

Lab File: BF140050.D

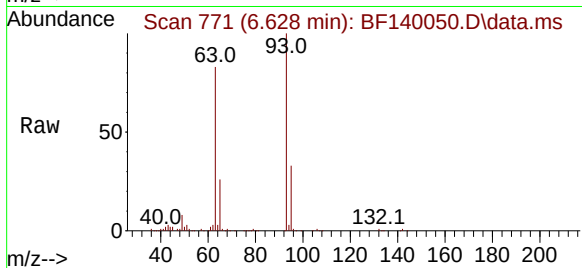
Acq: 26 Oct 2024 10:38

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040



Tgt Ion: 93 Resp: 31503

Ion Ratio Lower Upper

93 100

63 82.9 65.0 105.0

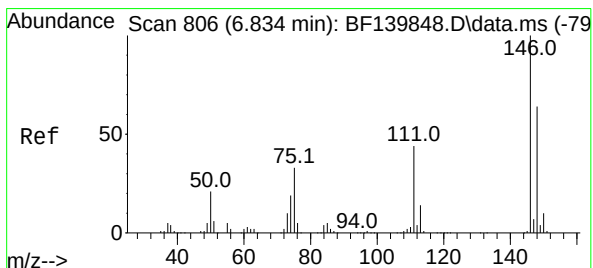
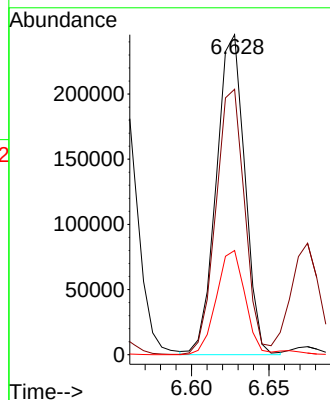
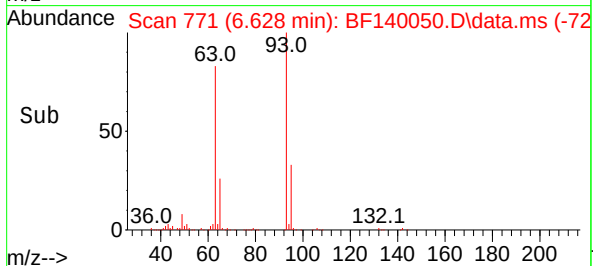
95 32.5 12.4 52.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/29/2024

Supervised By :mohammad ahmed 10/29/2024



#12

1,3-Dichlorobenzene

Concen: 39.403 ng

RT: 6.834 min Scan# 806

Delta R.T. 0.000 min

Lab File: BF140050.D

Acq: 26 Oct 2024 10:38

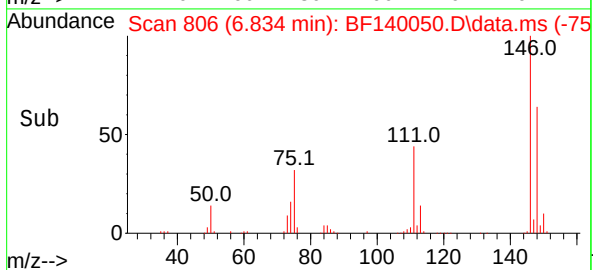
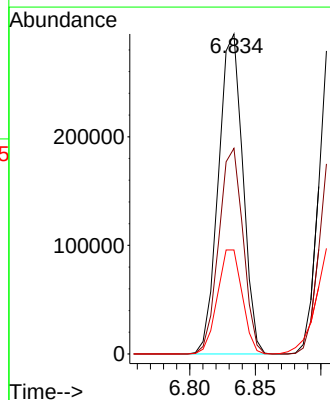
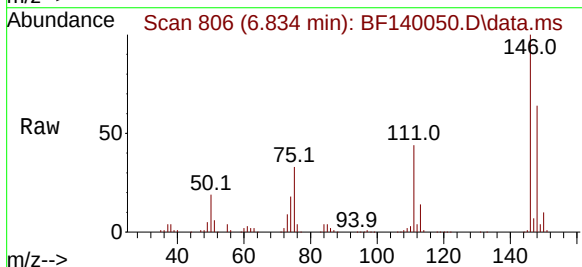
Tgt Ion:146 Resp: 380517

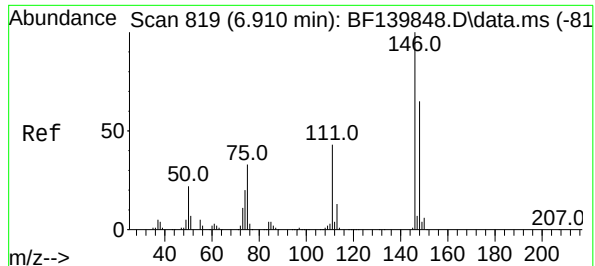
Ion Ratio Lower Upper

146 100

148 64.2 51.0 76.4

75 32.5 26.4 39.6





#13

1,4-Dichlorobenzene

Concen: 39.575 ng

RT: 6.910 min Scan# 819

Delta R.T. 0.000 min

Lab File: BF140050.D

Acq: 26 Oct 2024 10:38

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

Tgt Ion:146 Resp: 381820

Ion Ratio Lower Upper

146 100

148 63.2 51.8 77.8

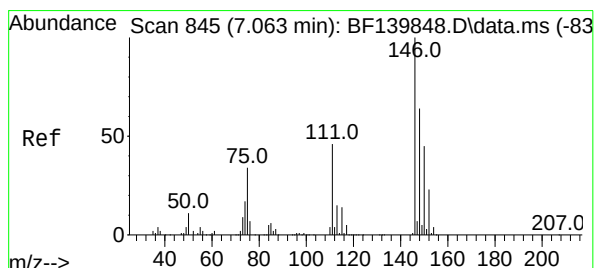
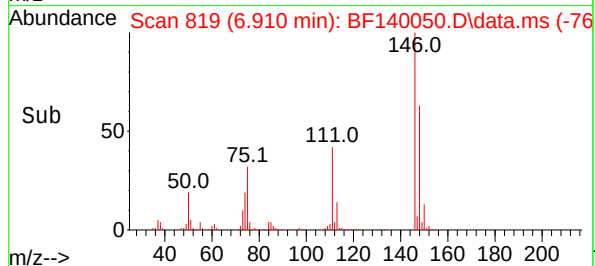
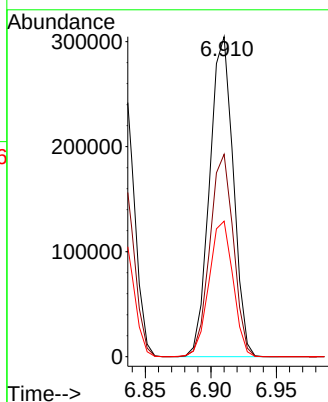
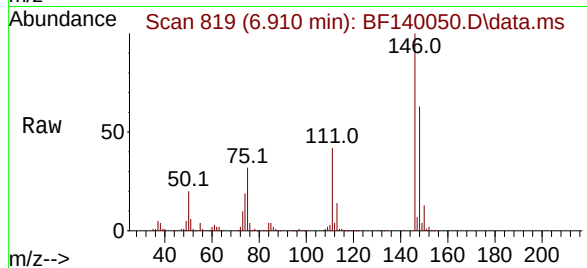
111 42.4 34.6 51.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/29/2024

Supervised By :mohammad ahmed 10/29/2024



#14

1,2-Dichlorobenzene

Concen: 39.166 ng

RT: 7.063 min Scan# 845

Delta R.T. 0.000 min

Lab File: BF140050.D

Acq: 26 Oct 2024 10:38

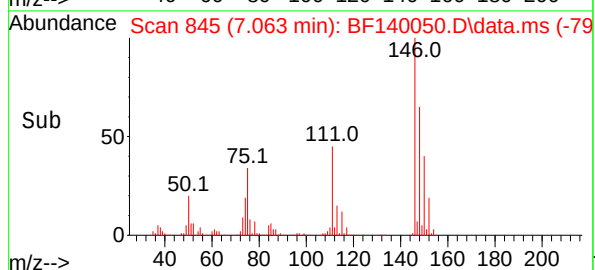
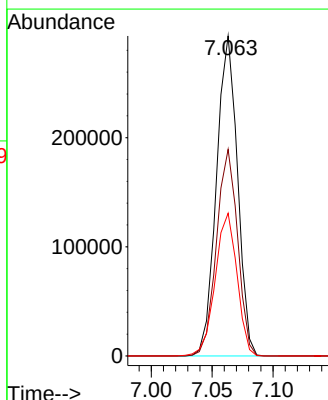
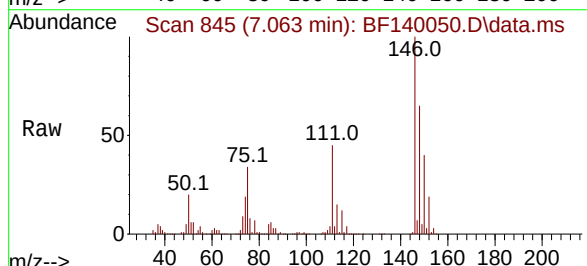
Tgt Ion:146 Resp: 352670

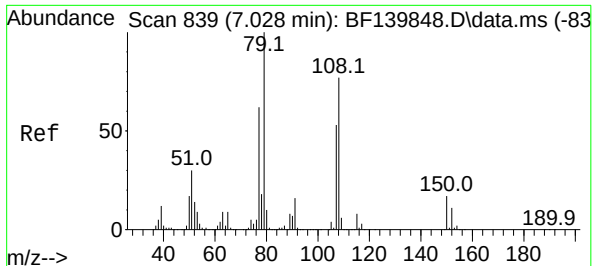
Ion Ratio Lower Upper

146 100

148 64.6 51.4 77.2

111 44.6 36.7 55.1





#15

Benzyl Alcohol

Concen: 37.193 ng

RT: 7.028 min Scan# 839

Delta R.T. 0.000 min

Lab File: BF140050.D

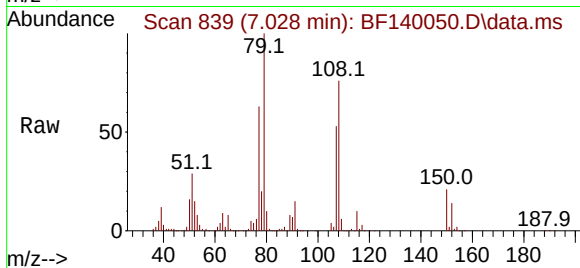
Acq: 26 Oct 2024 10:38

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040



Tgt Ion: 79 Resp: 29077

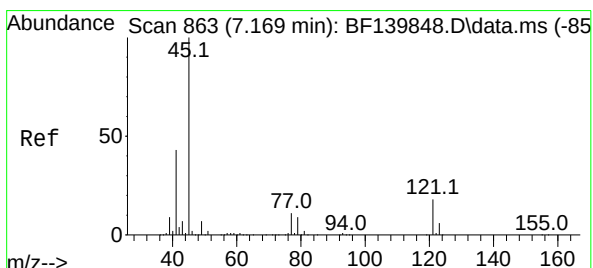
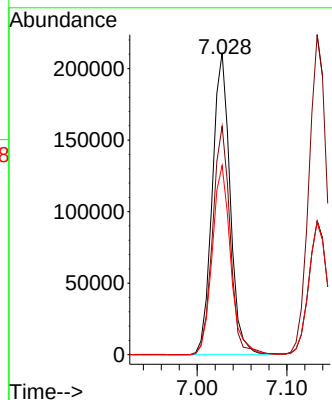
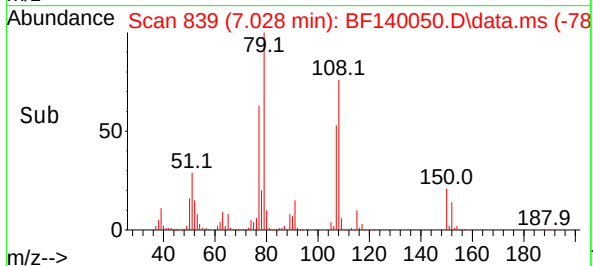
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 79  | 100   |       |       |
| 108 | 75.7  | 61.4  | 92.0  |
| 77  | 62.7  | 49.9  | 74.9  |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/29/2024

Supervised By :mohammad ahmed 10/29/2024



#16

2,2'-oxybis(1-Chloropropane)

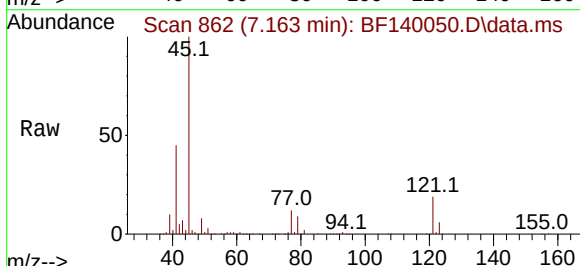
Concen: 33.991 ng

RT: 7.163 min Scan# 862

Delta R.T. -0.006 min

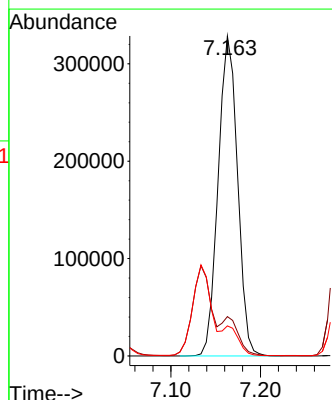
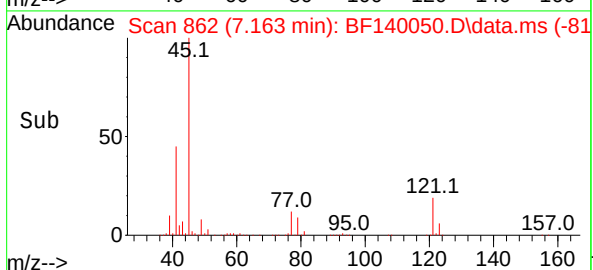
Lab File: BF140050.D

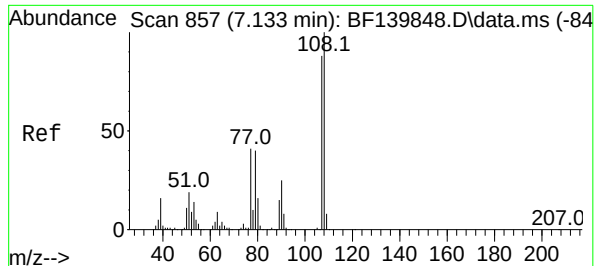
Acq: 26 Oct 2024 10:38



Tgt Ion: 45 Resp: 492247

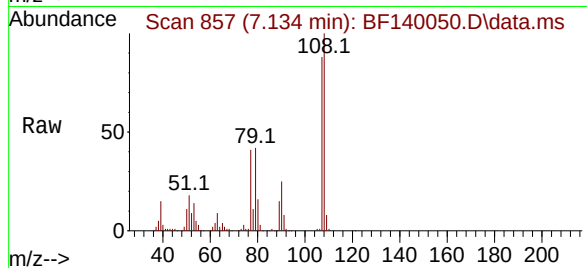
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 45  | 100   |       |       |
| 77  | 12.3  | 0.0   | 31.5  |
| 79  | 9.4   | 0.0   | 29.1  |





#17  
2-Methylphenol  
Concen: 36.976 ng  
RT: 7.134 min Scan# 857  
Delta R.T. 0.000 min  
Lab File: BF140050.D  
Acq: 26 Oct 2024 10:38

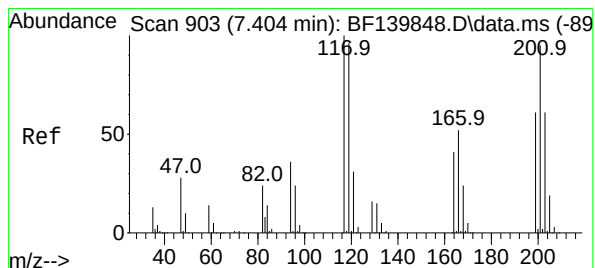
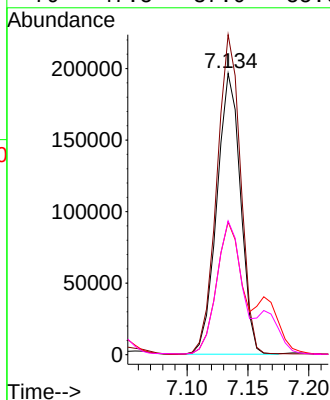
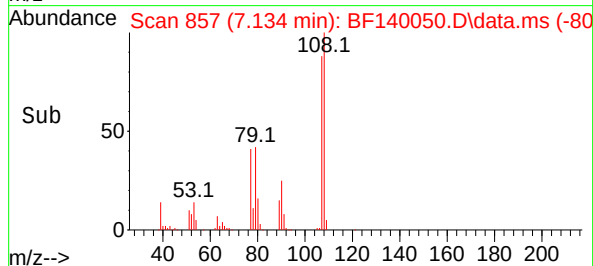
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040



Tgt Ion:107 Resp: 26525  
Ion Ratio Lower Upper  
107 100  
108 113.7 91.3 136.9  
77 47.2 37.1 55.7  
79 47.5 37.0 55.6

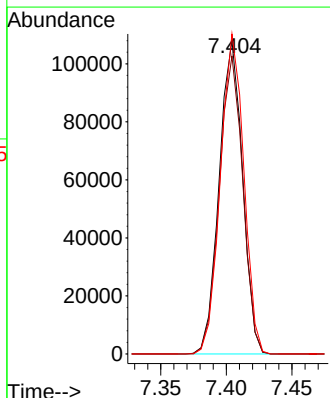
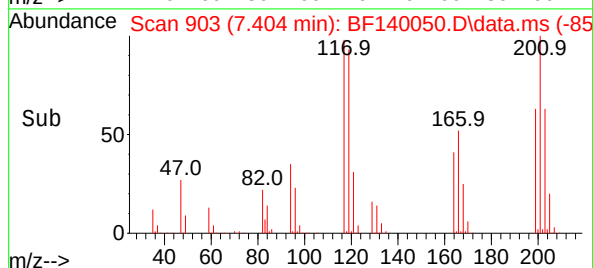
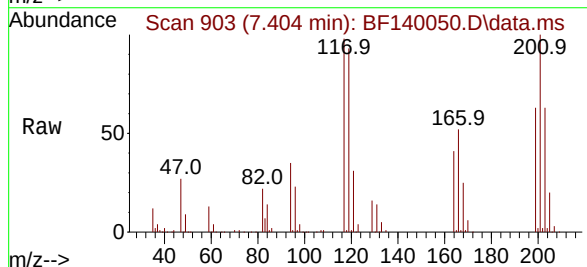
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 10/29/2024  
Supervised By :mohammad ahmed 10/29/2024

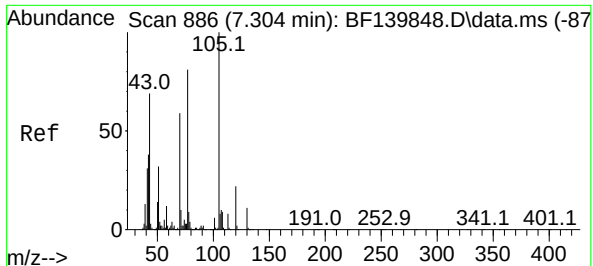


#18  
Hexachloroethane  
Concen: 38.915 ng  
RT: 7.404 min Scan# 903  
Delta R.T. 0.000 min  
Lab File: BF140050.D  
Acq: 26 Oct 2024 10:38

Tgt Ion:117 Resp: 133886  
Ion Ratio Lower Upper  
117 100  
119 95.1 77.0 115.4  
201 102.1 76.2 114.4







#19

n-Nitroso-di-n-propylamine

Concen: 34.813 ng

RT: 7.304 min Scan# 886

Delta R.T. 0.000 min

Lab File: BF140050.D

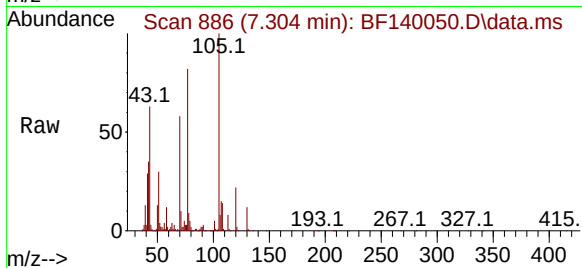
Acq: 26 Oct 2024 10:38

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040



Tgt Ion: 70 Resp: 22503

Ion Ratio Lower Upper

70 100

42 60.5 51.5 77.3

101 9.4 7.5 11.3

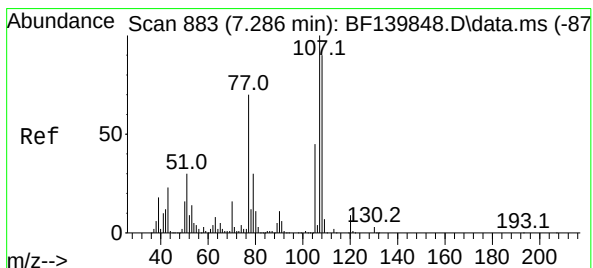
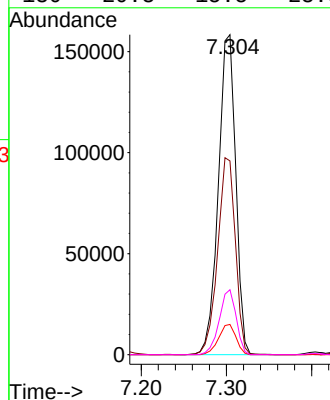
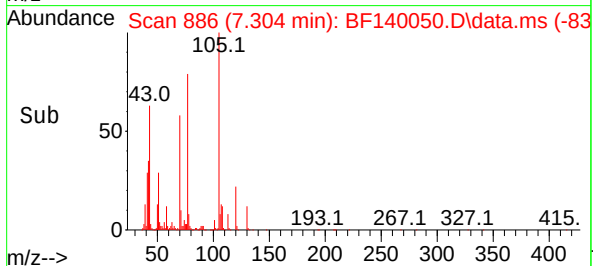
130 20.3 15.5 23.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/29/2024

Supervised By :mohammad ahmed 10/29/2024



#20

3+4-Methylphenols

Concen: 36.741 ng

RT: 7.287 min Scan# 883

Delta R.T. 0.000 min

Lab File: BF140050.D

Acq: 26 Oct 2024 10:38

Tgt Ion:107 Resp: 337114

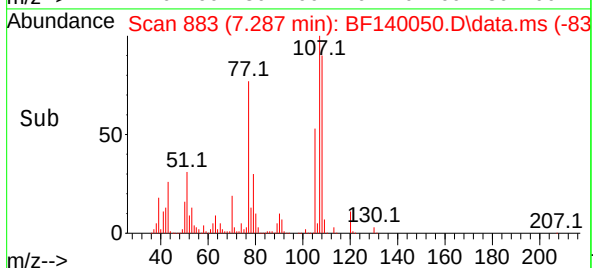
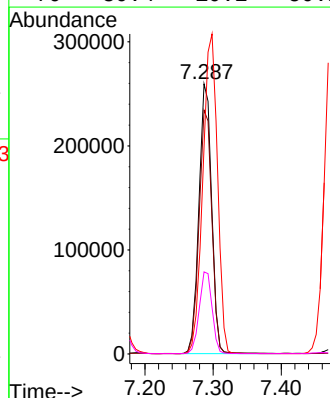
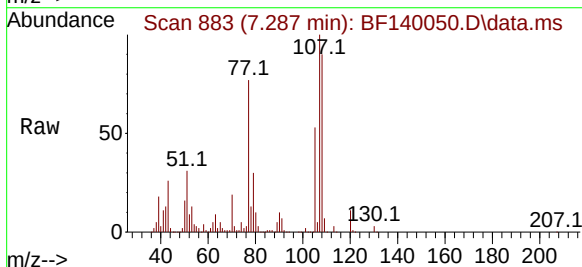
Ion Ratio Lower Upper

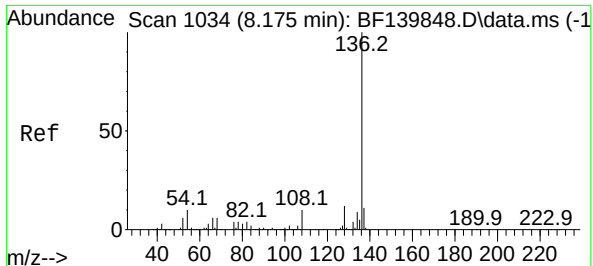
107 100

108 90.2 69.8 109.8

77 76.6 50.5 90.5

79 30.4 10.2 50.2





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.175 min Scan# 1034

Delta R.T. 0.000 min

Lab File: BF140050.D

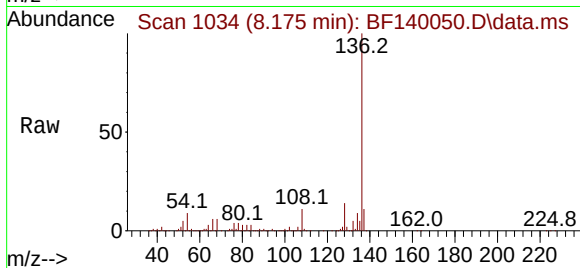
Acq: 26 Oct 2024 10:38

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040



Tgt Ion:136 Resp: 465620

Ion Ratio Lower Upper

136 100

137 11.0 8.6 12.8

54 9.4 8.4 12.6

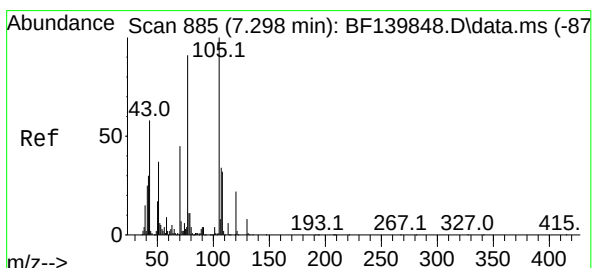
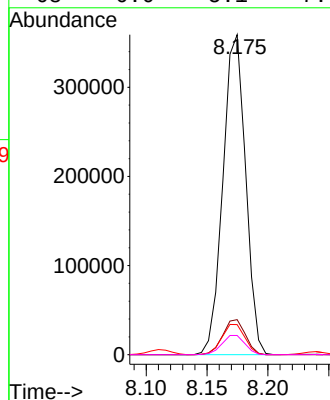
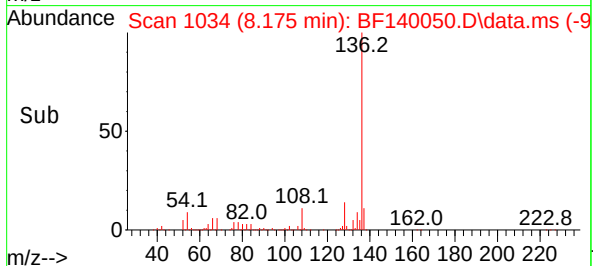
68 6.0 5.1 7.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/29/2024

Supervised By :mohammad ahmed 10/29/2024



#22

Acetophenone

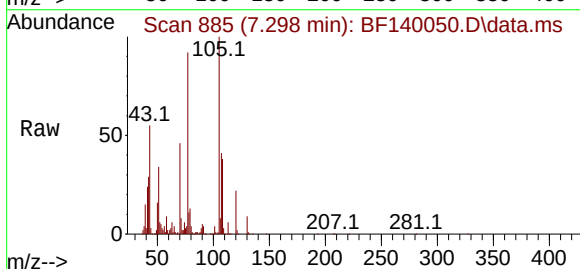
Concen: 38.819 ng

RT: 7.298 min Scan# 885

Delta R.T. 0.000 min

Lab File: BF140050.D

Acq: 26 Oct 2024 10:38



Tgt Ion:105 Resp: 442717

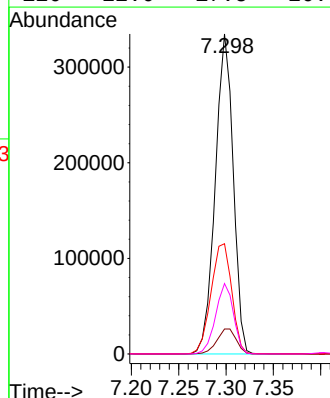
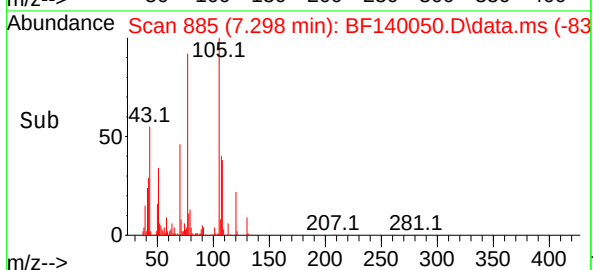
Ion Ratio Lower Upper

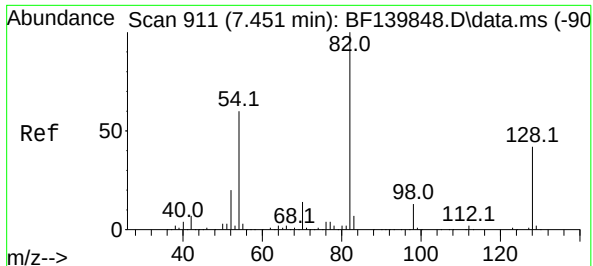
105 100

71 7.8 5.9 8.9

51 34.5 29.4 44.2

120 22.0 17.5 26.3





#23

Nitrobenzene-d5

Concen: 84.348 ng

RT: 7.451 min Scan# 911

Delta R.T. 0.000 min

Lab File: BF140050.D

Acq: 26 Oct 2024 10:38

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 82 Resp: 708619

Ion Ratio Lower Upper

82 100

128 42.4 33.4 50.0

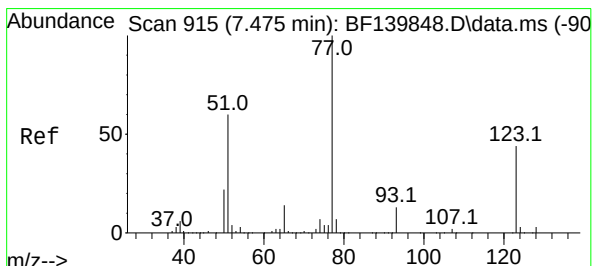
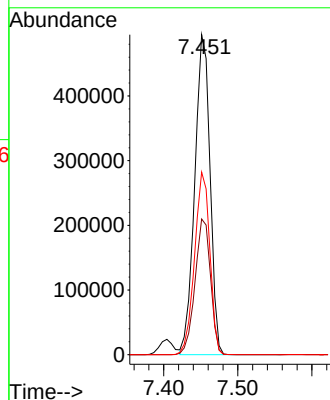
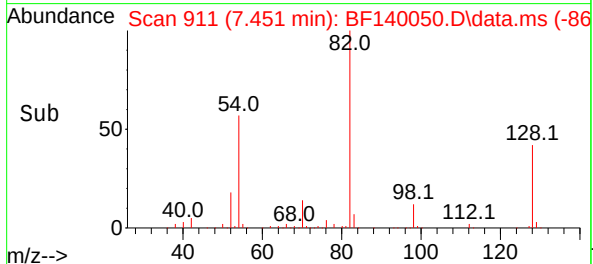
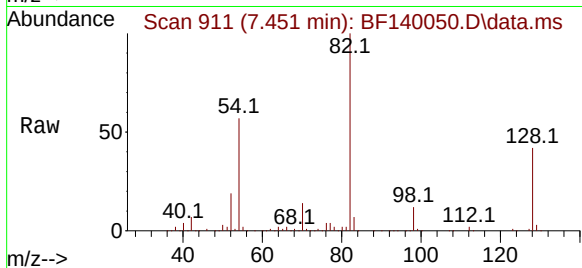
54 57.1 47.8 71.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/29/2024

Supervised By :mohammad ahmed 10/29/2024



#24

Nitrobenzene

Concen: 40.387 ng

RT: 7.475 min Scan# 915

Delta R.T. 0.000 min

Lab File: BF140050.D

Acq: 26 Oct 2024 10:38

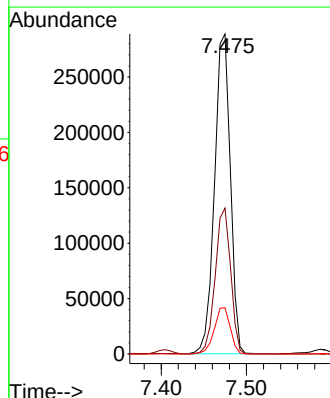
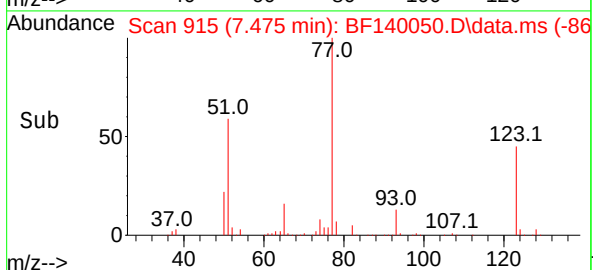
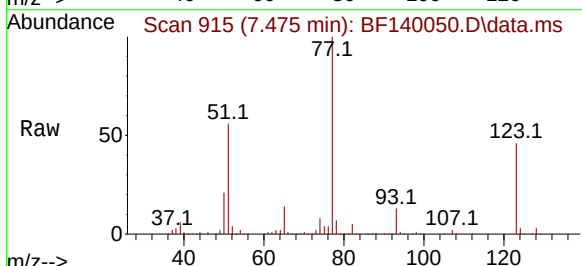
Tgt Ion: 77 Resp: 371997

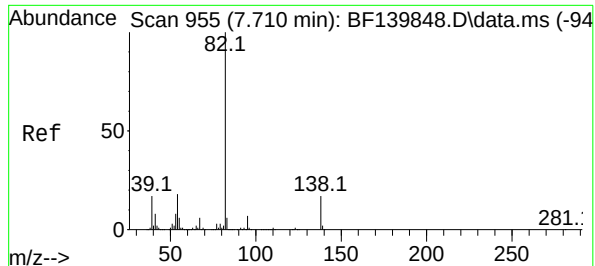
Ion Ratio Lower Upper

77 100

123 45.6 35.7 53.5

65 14.5 11.5 17.3





#25

Isophorone

Concen: 37.663 ng

RT: 7.710 min Scan# 955

Delta R.T. 0.000 min

Lab File: BF140050.D

Acq: 26 Oct 2024 10:38

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 82 Resp: 60054

Ion Ratio Lower Upper

82 100

95 7.3 5.5 8.3

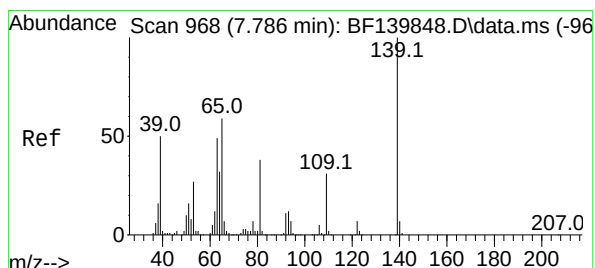
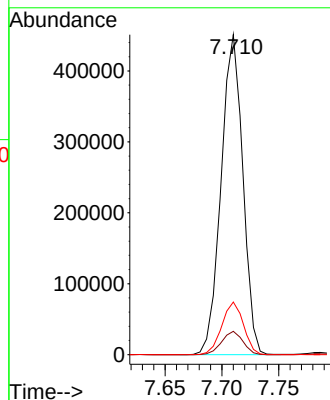
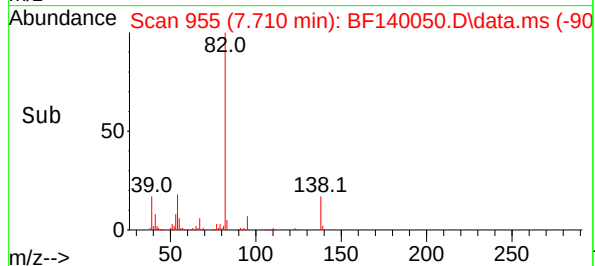
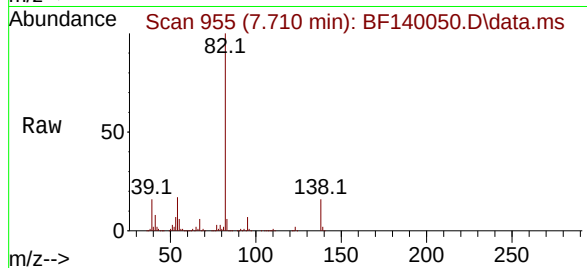
138 16.5 13.2 19.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/29/2024

Supervised By :mohammad ahmed 10/29/2024



#26

2-Nitrophenol

Concen: 44.001 ng

RT: 7.787 min Scan# 968

Delta R.T. 0.000 min

Lab File: BF140050.D

Acq: 26 Oct 2024 10:38

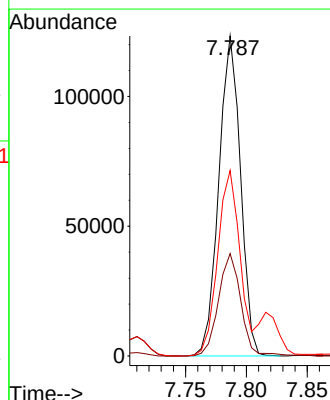
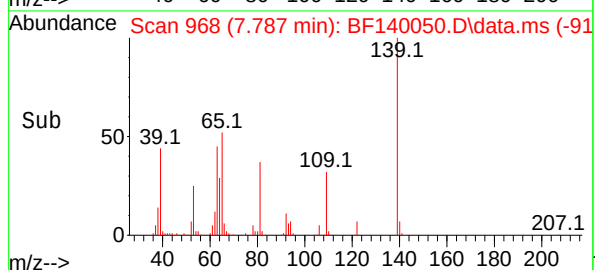
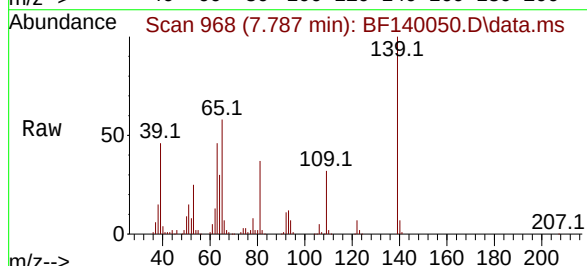
Tgt Ion:139 Resp: 152898

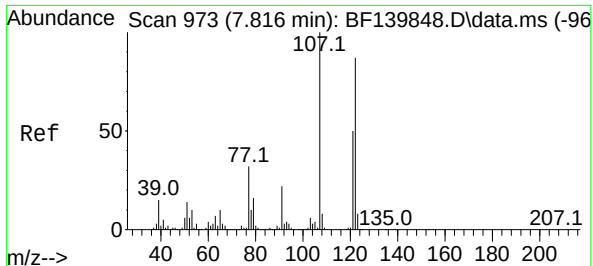
Ion Ratio Lower Upper

139 100

109 32.0 25.1 37.7

65 57.9 47.5 71.3





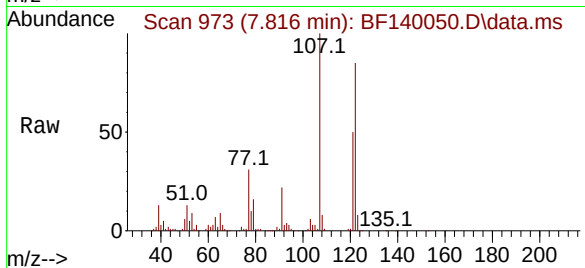
#27  
2,4-Dimethylphenol  
Concen: 37.214 ng  
RT: 7.816 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: BF140050.D  
Acq: 26 Oct 2024 10:38

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040



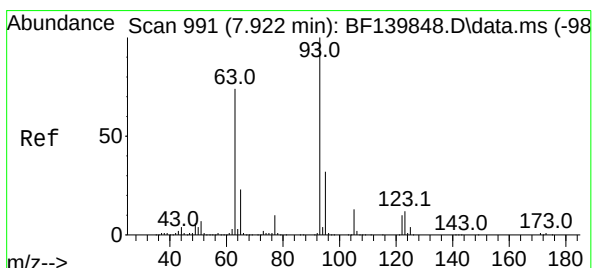
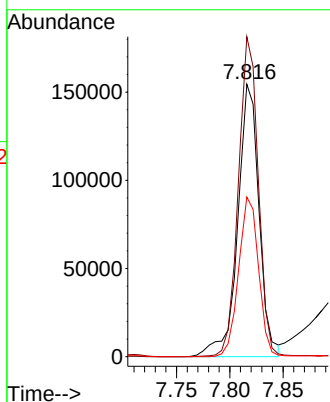
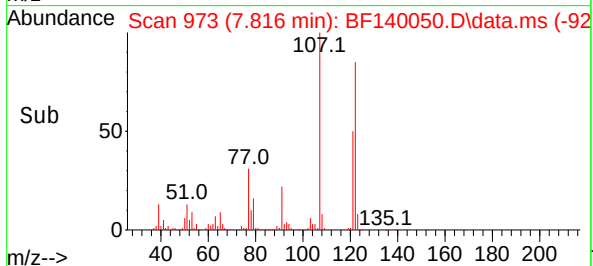
Tgt Ion:122 Resp: 21562  
Ion Ratio Lower Upper  
122 100  
107 117.4 91.9 137.9  
121 58.6 46.2 69.4

Manual Integrations

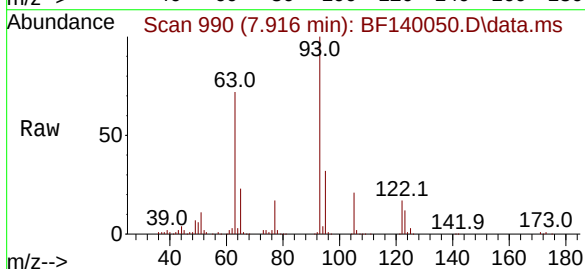
APPROVED

Reviewed By :Yogesh Patel 10/29/2024

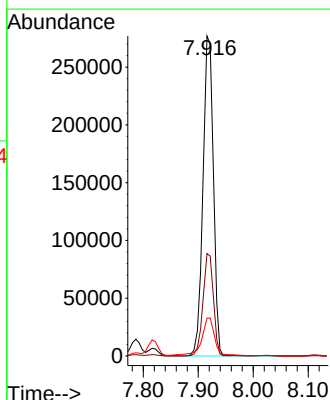
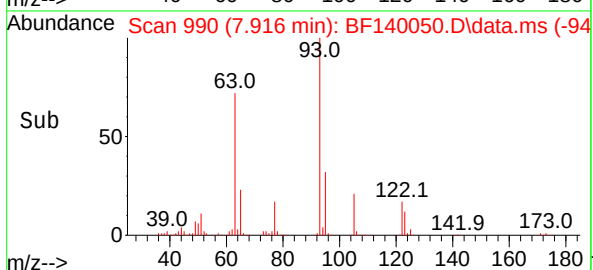
Supervised By :mohammad ahmed 10/29/2024

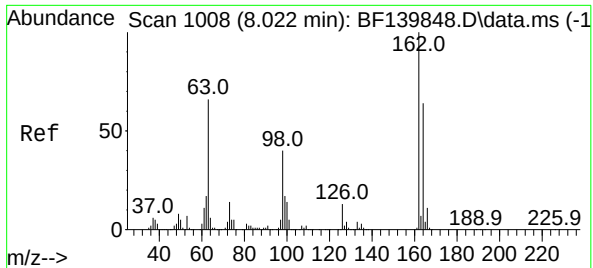


#28  
bis(2-Chloroethoxy)methane  
Concen: 37.905 ng  
RT: 7.916 min Scan# 990  
Delta R.T. -0.006 min  
Lab File: BF140050.D  
Acq: 26 Oct 2024 10:38



Tgt Ion: 93 Resp: 366191  
Ion Ratio Lower Upper  
93 100  
95 32.0 26.0 39.0  
123 11.8 9.8 14.8





#29

2,4-Dichlorophenol

Concen: 39.370 ng

RT: 8.022 min Scan# 1008

Delta R.T. 0.000 min

Lab File: BF140050.D

Acq: 26 Oct 2024 10:38

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

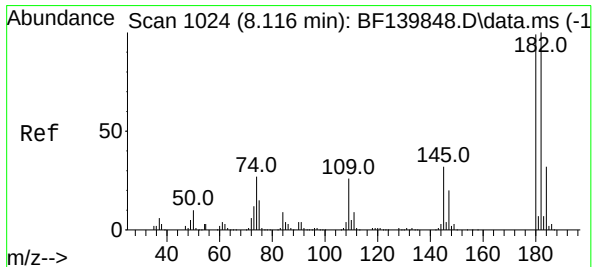
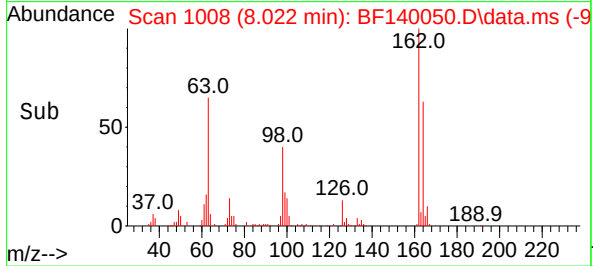
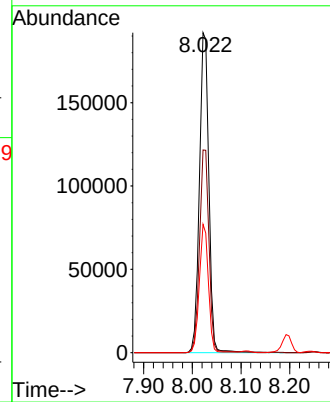
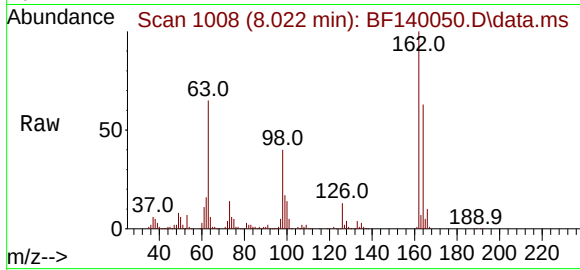
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 162   | Resp: | 25983 |
| Ion Ratio | Lower | Upper |       |
| 162       | 100   |       |       |
| 164       | 63.4  | 43.9  | 83.9  |
| 98        | 40.1  | 19.9  | 59.9  |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/29/2024

Supervised By :mohammad ahmed 10/29/2024



#30

1,2,4-Trichlorobenzene

Concen: 40.725 ng

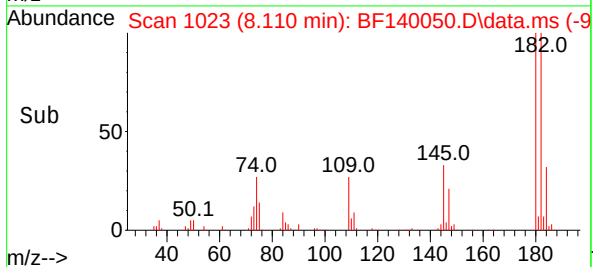
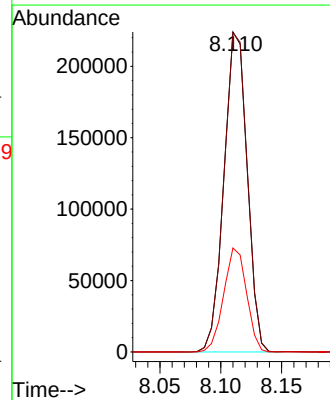
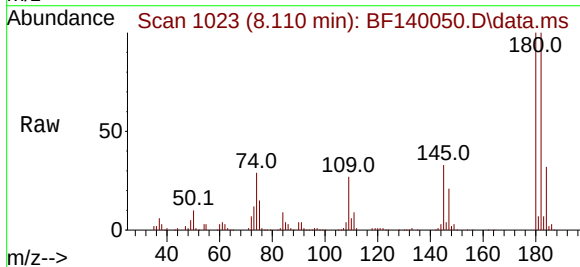
RT: 8.110 min Scan# 1023

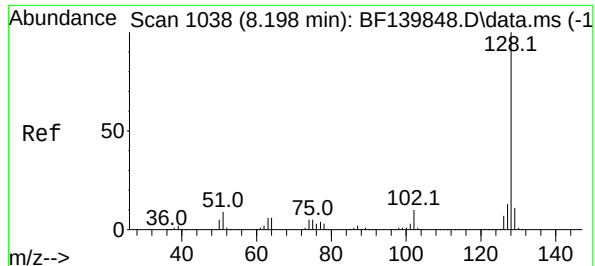
Delta R.T. -0.006 min

Lab File: BF140050.D

Acq: 26 Oct 2024 10:38

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 297397 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 99.8  | 80.5  | 120.7  |
| 145       | 32.5  | 25.4  | 38.0   |





#31

Naphthalene

Concen: 39.859 ng

RT: 8.192 min Scan# 1038

Delta R.T. -0.006 min

Lab File: BF140050.D

Acq: 26 Oct 2024 10:38

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

Tgt Ion:128 Resp: 957179

Ion Ratio Lower Upper

128 100

129 11.1 8.9 13.3

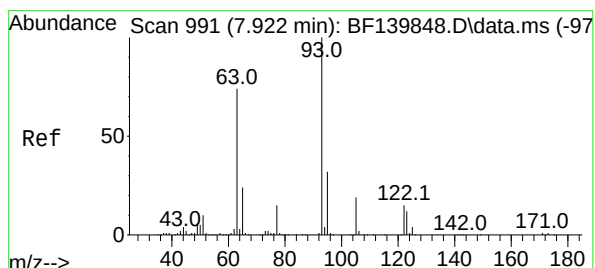
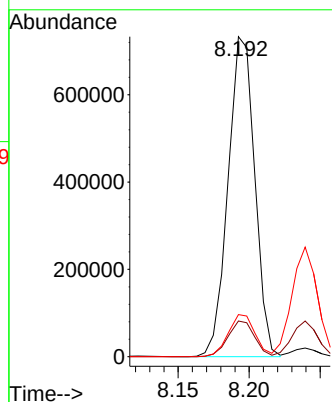
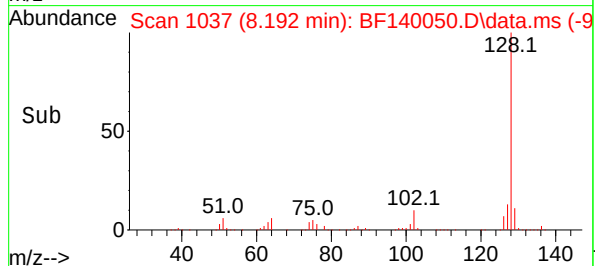
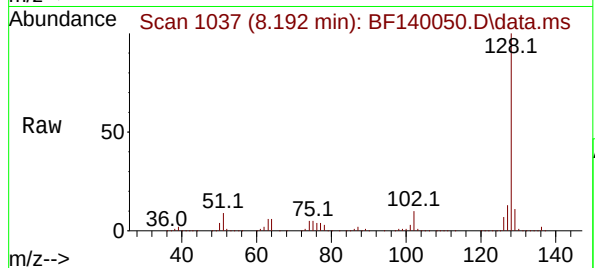
127 13.1 10.6 16.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/29/2024

Supervised By :mohammad ahmed 10/29/2024



#32

Benzoic acid

Concen: 38.864 ng

RT: 7.922 min Scan# 991

Delta R.T. -0.000 min

Lab File: BF140050.D

Acq: 26 Oct 2024 10:38

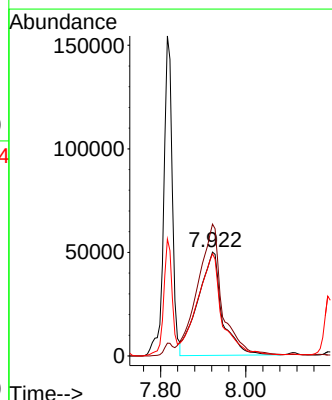
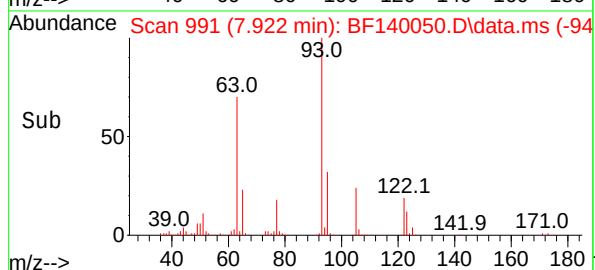
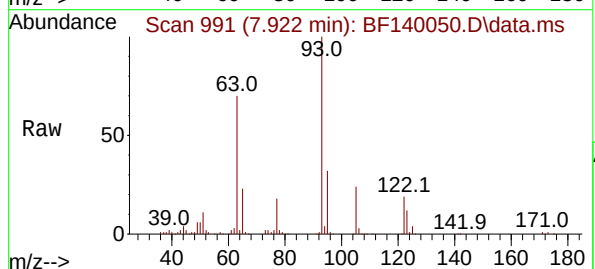
Tgt Ion:122 Resp: 196406

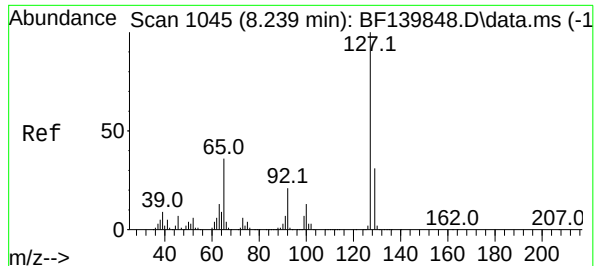
Ion Ratio Lower Upper

122 100

105 127.0 107.6 147.6

77 98.5 80.2 120.2





#33

4-Chloroaniline

Concen: 39.027 ng

RT: 8.239 min Scan# 1045

Delta R.T. 0.000 min

Lab File: BF140050.D

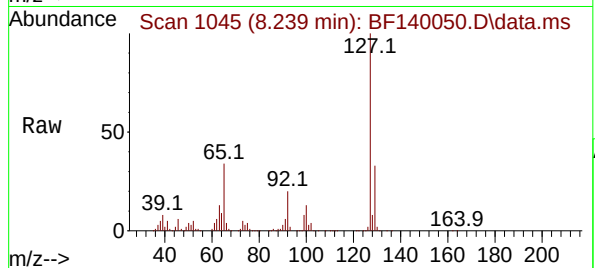
Acq: 26 Oct 2024 10:38

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040



Tgt Ion:127 Resp: 319573

Ion Ratio Lower Upper

127 100

129 32.5 25.4 38.2

65 34.5 28.4 42.6

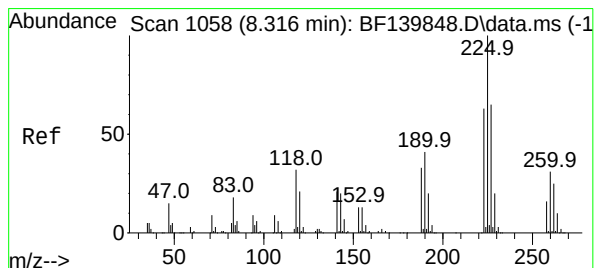
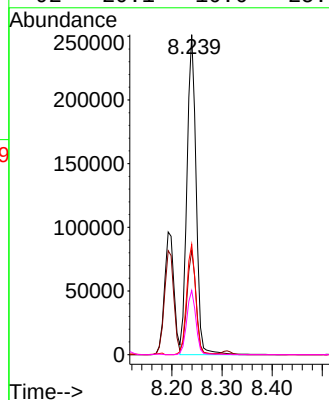
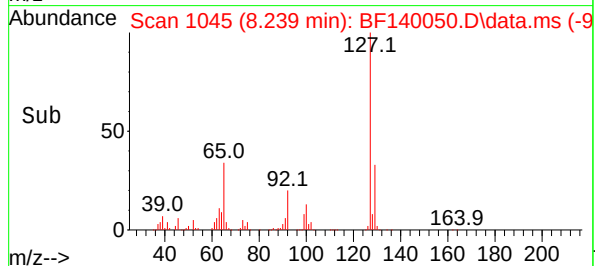
92 20.1 16.6 25.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/29/2024

Supervised By :mohammad ahmed 10/29/2024



#34

Hexachlorobutadiene

Concen: 41.486 ng

RT: 8.310 min Scan# 1057

Delta R.T. -0.006 min

Lab File: BF140050.D

Acq: 26 Oct 2024 10:38

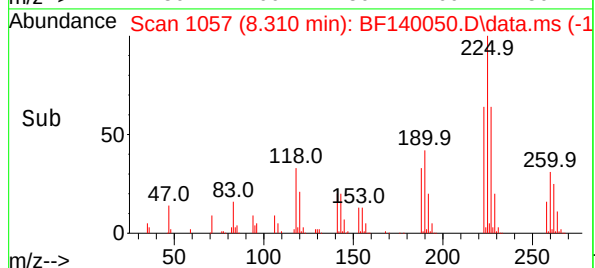
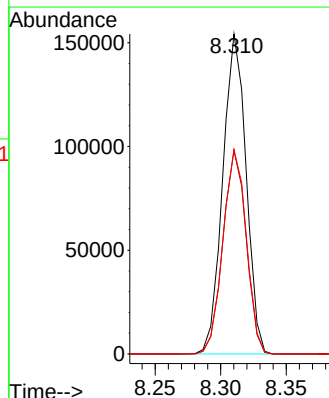
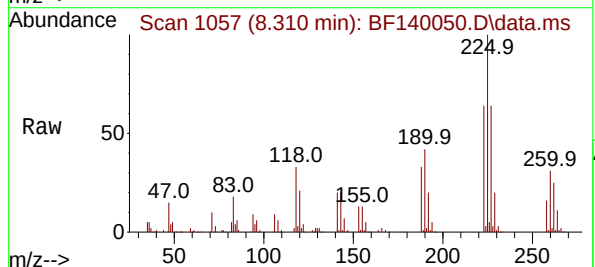
Tgt Ion:225 Resp: 190352

Ion Ratio Lower Upper

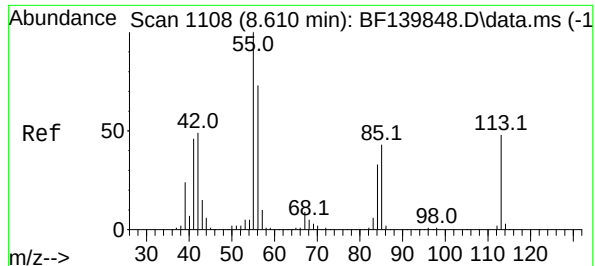
225 100

223 63.5 50.6 76.0

227 63.9 51.8 77.8







#35

Caprolactam

Concen: 39.090 ng

RT: 8.610 min Scan# 1108

Delta R.T. 0.000 min

Lab File: BF140050.D

Acq: 26 Oct 2024 10:38

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

Tgt Ion:113 Resp: 82029

Ion Ratio Lower Upper

113 100

55 192.1 189.2 229.2

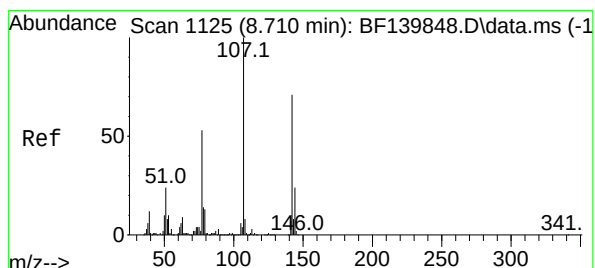
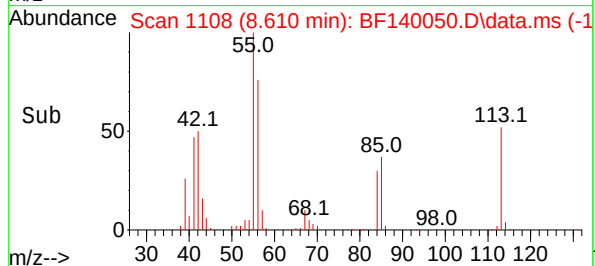
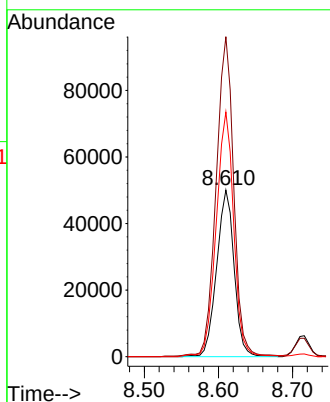
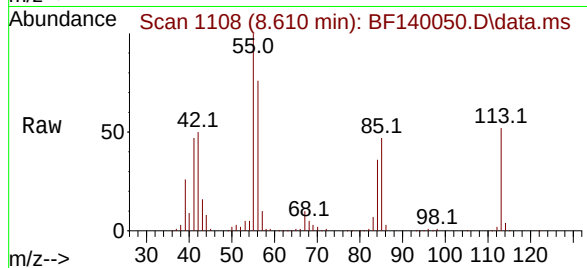
56 146.8 132.5 172.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/29/2024

Supervised By :mohammad ahmed 10/29/2024



#36

4-Chloro-3-methylphenol

Concen: 39.183 ng

RT: 8.716 min Scan# 1126

Delta R.T. 0.006 min

Lab File: BF140050.D

Acq: 26 Oct 2024 10:38

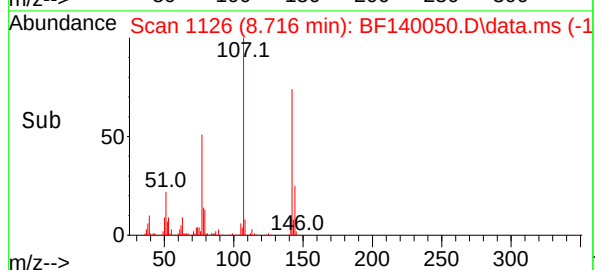
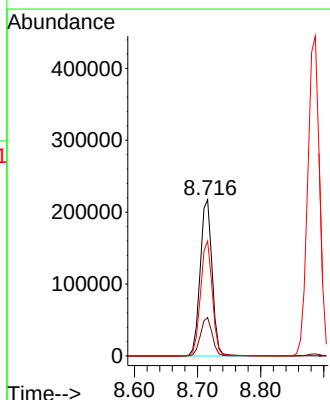
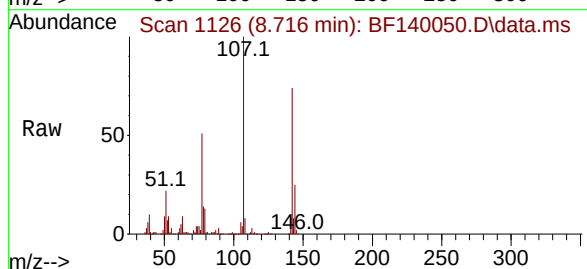
Tgt Ion:107 Resp: 286338

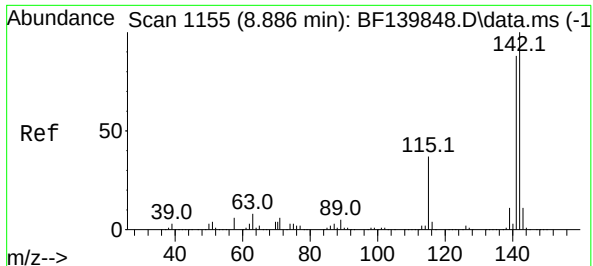
Ion Ratio Lower Upper

107 100

144 24.5 19.1 28.7

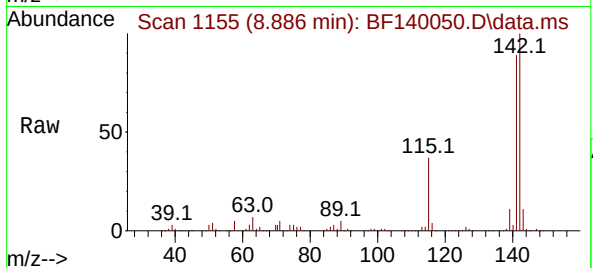
142 73.6 57.2 85.8





#37  
2-Methylnaphthalene  
Concen: 39.160 ng  
RT: 8.886 min Scan# 1155  
Delta R.T. 0.000 min  
Lab File: BF140050.D  
Acq: 26 Oct 2024 10:38

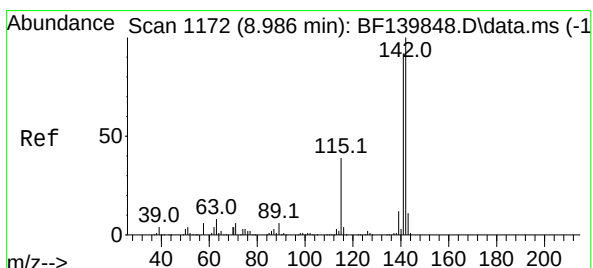
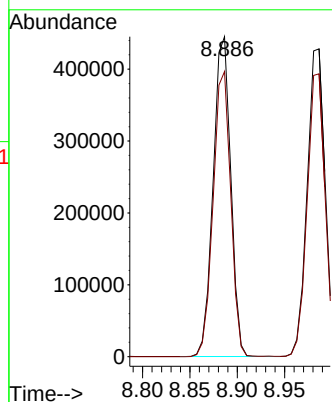
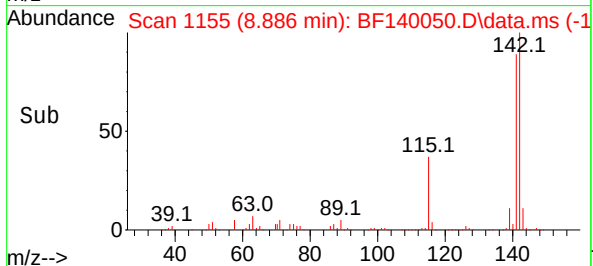
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040



Tgt Ion:142 Resp: 57592  
Ion Ratio Lower Upper  
142 100  
141 89.1 70.8 106.2

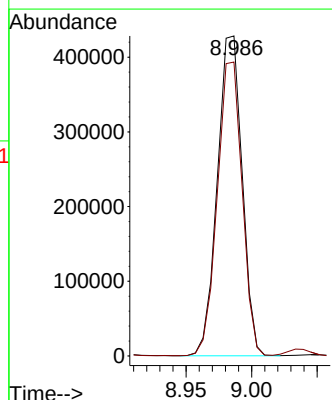
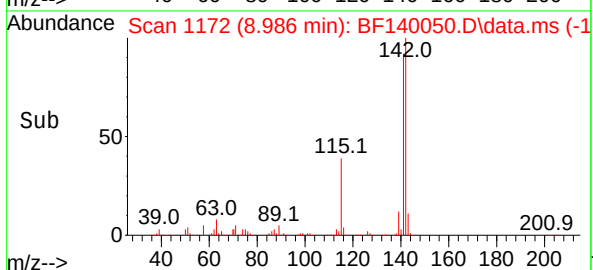
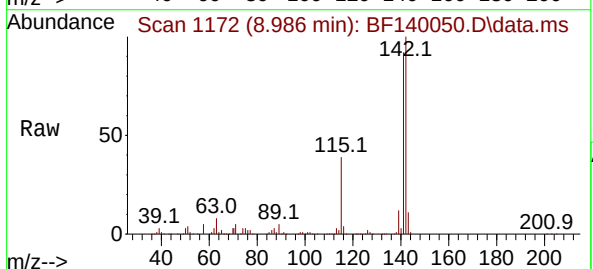
Manual Integrations  
APPROVED

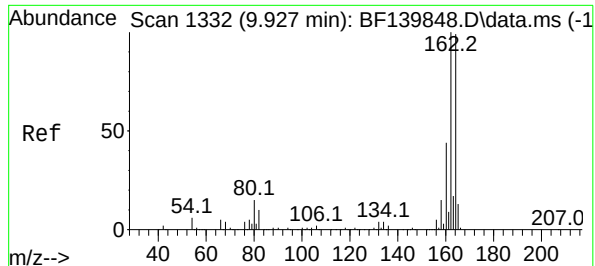
Reviewed By :Yogesh Patel 10/29/2024  
Supervised By :mohammad ahmed 10/29/2024



#38  
1-Methylnaphthalene  
Concen: 39.059 ng  
RT: 8.986 min Scan# 1172  
Delta R.T. 0.000 min  
Lab File: BF140050.D  
Acq: 26 Oct 2024 10:38

Tgt Ion:142 Resp: 563589  
Ion Ratio Lower Upper  
142 100  
141 91.9 73.5 110.3





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.928 min Scan# 1183

Delta R.T. 0.001 min

Lab File: BF140050.D

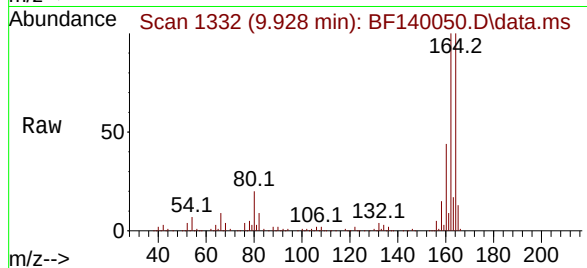
Acq: 26 Oct 2024 10:38

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040



Tgt Ion:164 Resp: 25252

Ion Ratio Lower Upper

164 100

162 99.7 81.0 121.4

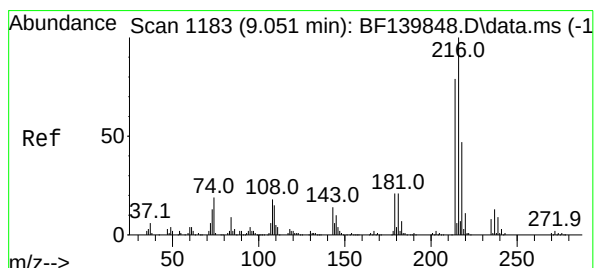
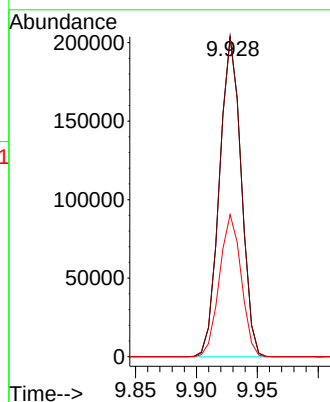
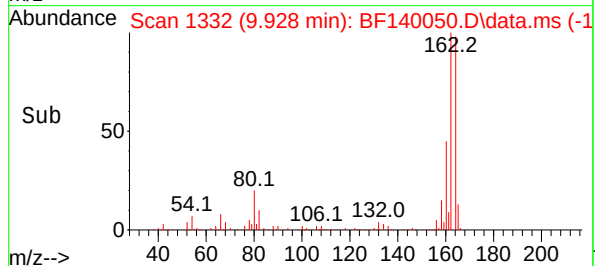
160 44.4 35.4 53.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/29/2024

Supervised By :mohammad ahmed 10/29/2024



#40

1,2,4,5-Tetrachlorobenzene

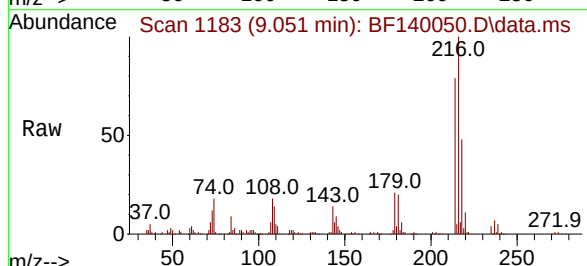
Concen: 41.156 ng

RT: 9.051 min Scan# 1183

Delta R.T. 0.000 min

Lab File: BF140050.D

Acq: 26 Oct 2024 10:38



Tgt Ion:216 Resp: 280380

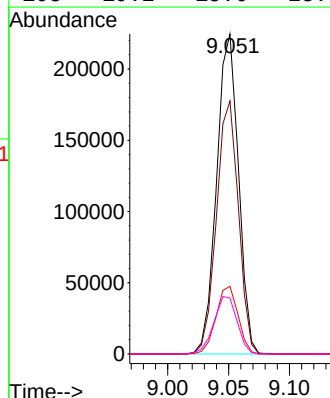
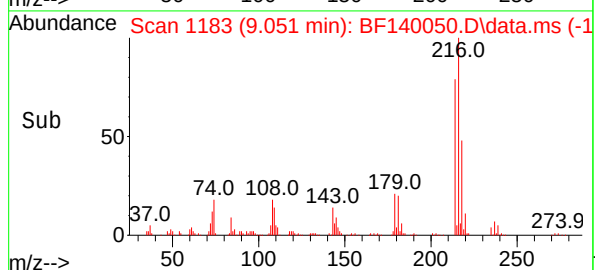
Ion Ratio Lower Upper

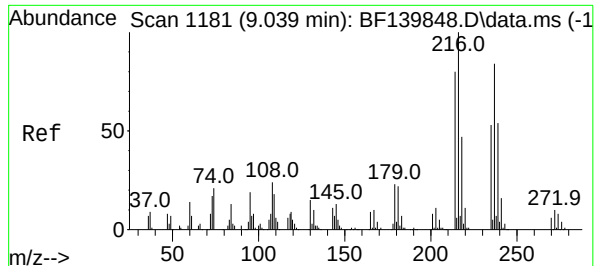
216 100

214 79.5 63.4 95.0

179 21.3 17.2 25.8

108 19.2 15.6 23.4





#41

Hexachlorocyclopentadiene

Concen: 40.599 ng

RT: 9.039 min Scan# 1181

Delta R.T. 0.000 min

Lab File: BF140050.D

Acq: 26 Oct 2024 10:38

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

Tgt Ion:237 Resp: 96240

Ion Ratio Lower Upper

237 100

235 63.0 42.9 82.9

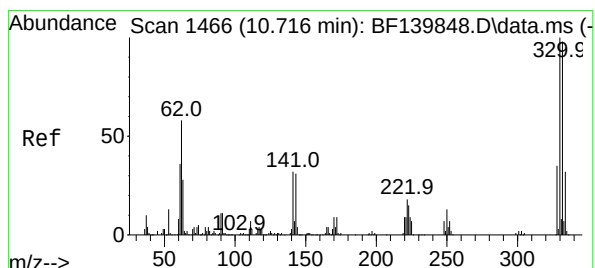
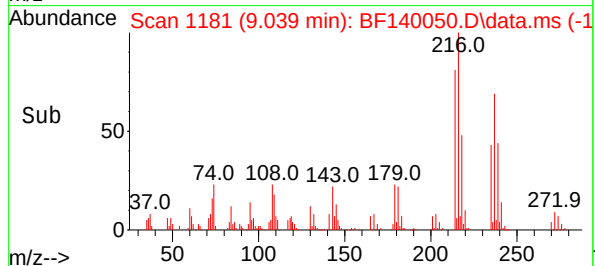
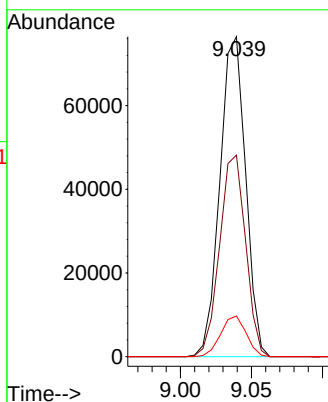
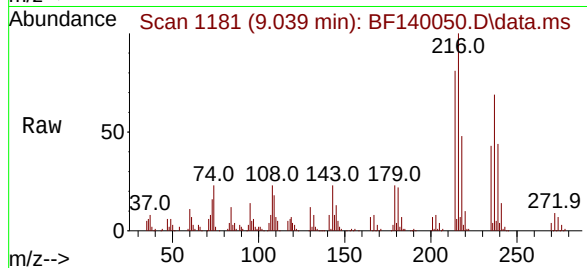
272 12.7 0.0 32.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/29/2024

Supervised By :mohammad ahmed 10/29/2024



#42

2,4,6-Tribromophenol

Concen: 87.205 ng

RT: 10.716 min Scan# 1466

Delta R.T. 0.000 min

Lab File: BF140050.D

Acq: 26 Oct 2024 10:38

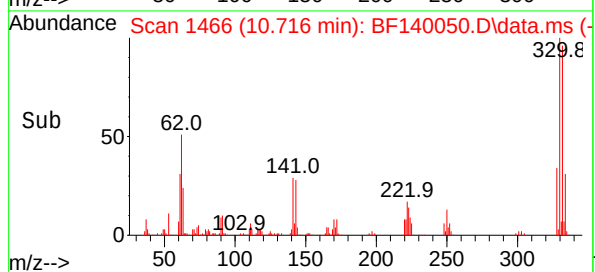
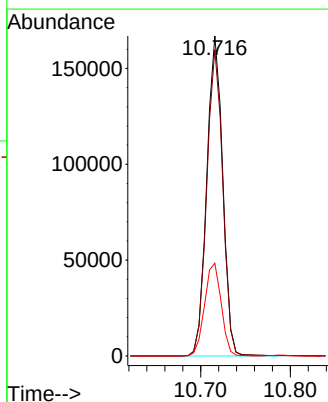
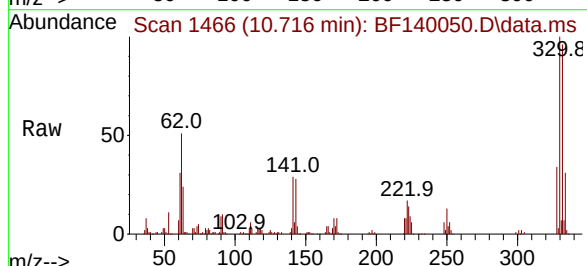
Tgt Ion:330 Resp: 205981

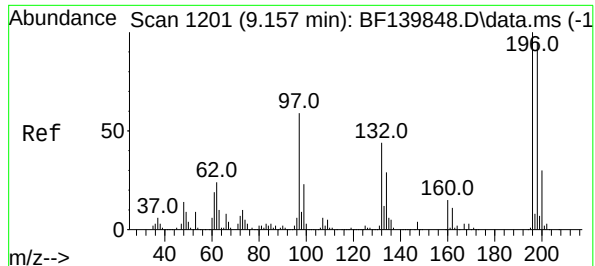
Ion Ratio Lower Upper

330 100

332 96.1 78.1 117.1

141 30.3 26.6 39.8





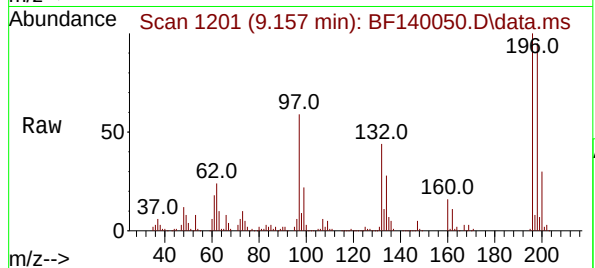
#43  
2,4,6-Trichlorophenol  
Concen: 39.204 ng  
RT: 9.157 min Scan# 1201  
Delta R.T. 0.000 min  
Lab File: BF140050.D  
Acq: 26 Oct 2024 10:38

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

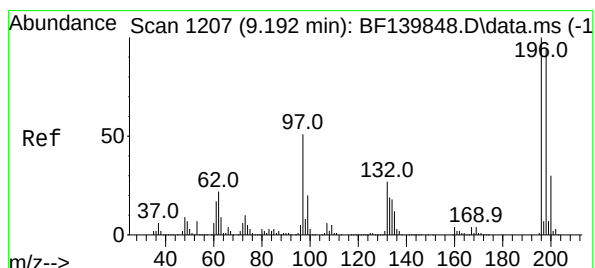
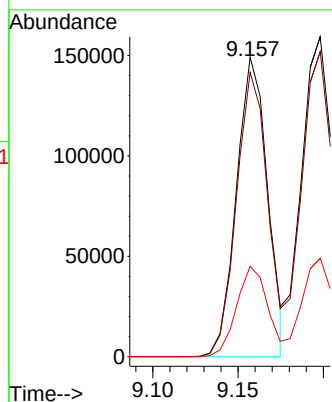
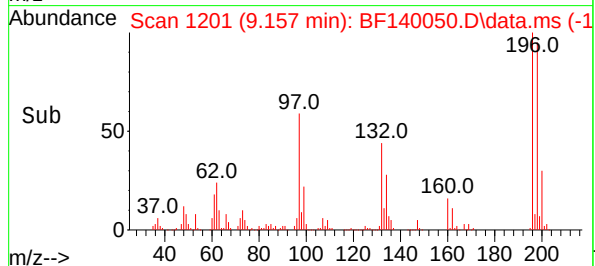


Tgt Ion:196 Resp: 189094  
Ion Ratio Lower Upper  
196 100  
198 94.9 76.2 114.2  
200 30.2 24.0 36.0

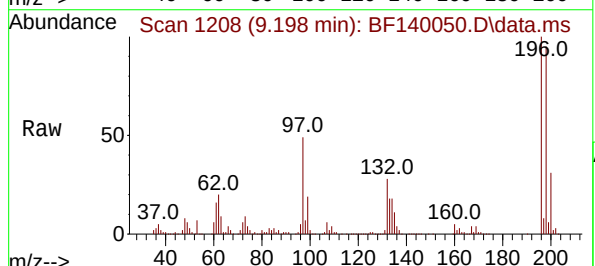
Manual Integrations

APPROVED

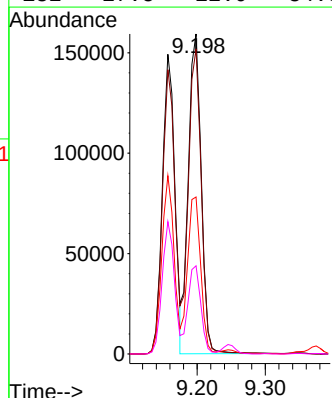
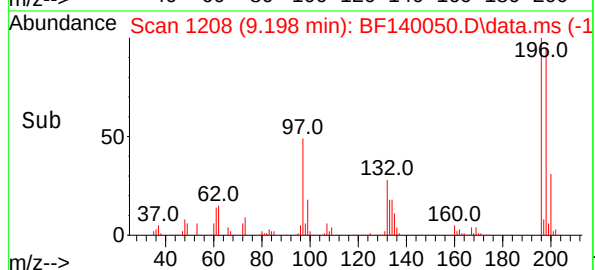
Reviewed By :Yogesh Patel 10/29/2024  
Supervised By :mohammad ahmed 10/29/2024

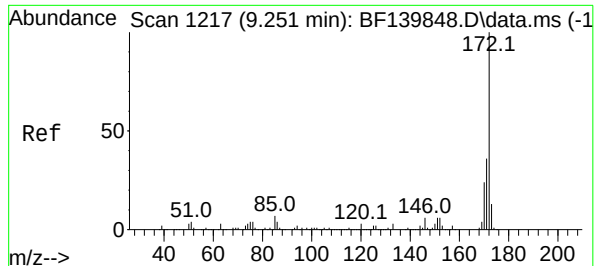


#44  
2,4,5-Trichlorophenol  
Concen: 42.019 ng  
RT: 9.198 min Scan# 1208  
Delta R.T. 0.006 min  
Lab File: BF140050.D  
Acq: 26 Oct 2024 10:38



Tgt Ion:196 Resp: 209100  
Ion Ratio Lower Upper  
196 100  
198 95.3 75.8 113.6  
97 49.0 41.8 62.6  
132 27.5 22.9 34.3





#45

2-Fluorobiphenyl

Concen: 80.059 ng

RT: 9.245 min Scan# 1216

Delta R.T. -0.006 min

Lab File: BF140050.D

Acq: 26 Oct 2024 10:38

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

Tgt Ion:172 Resp: 1223250

Ion Ratio Lower Upper

172 100

171 35.7 28.6 43.0

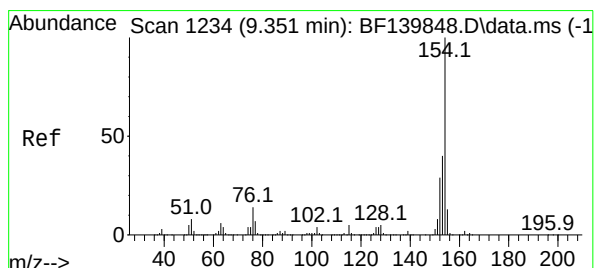
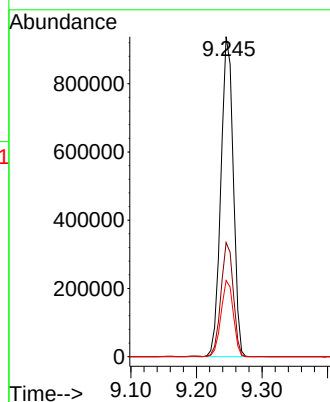
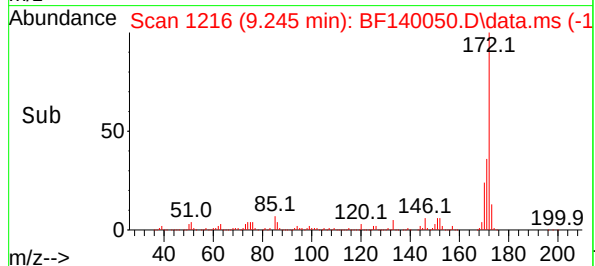
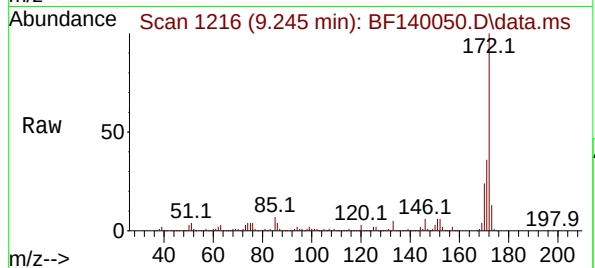
170 23.8 19.1 28.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/29/2024

Supervised By :mohammad ahmed 10/29/2024



#46

1,1'-Biphenyl

Concen: 39.976 ng

RT: 9.351 min Scan# 1234

Delta R.T. 0.000 min

Lab File: BF140050.D

Acq: 26 Oct 2024 10:38

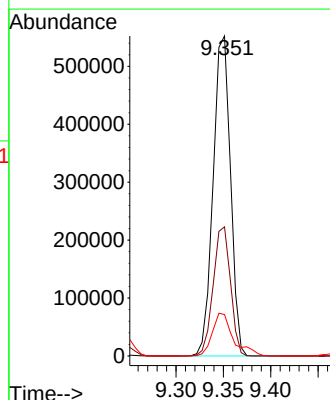
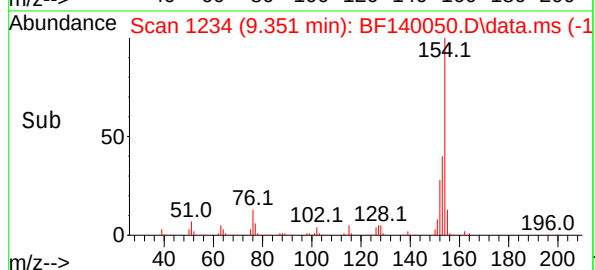
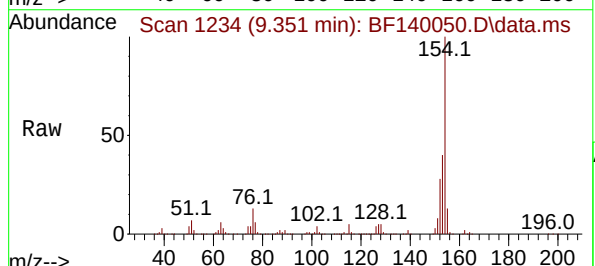
Tgt Ion:154 Resp: 702753

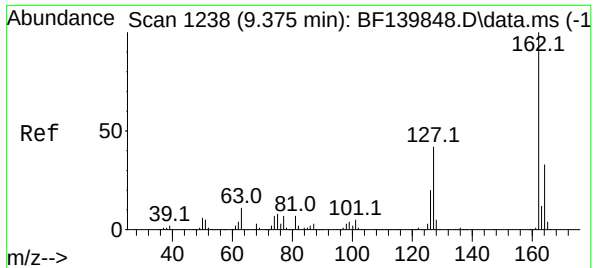
Ion Ratio Lower Upper

154 100

153 40.4 20.3 60.3

76 12.9 0.0 33.9





#47

2-Chloronaphthalene

Concen: 40.256 ng

RT: 9.375 min Scan# 1238

Delta R.T. 0.000 min

Lab File: BF140050.D

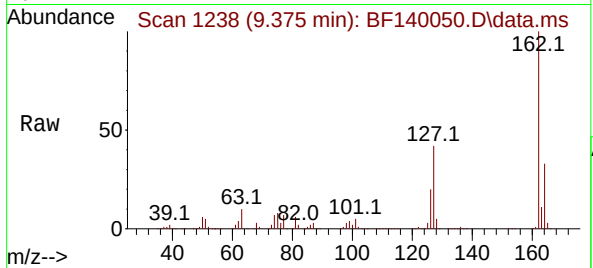
Acq: 26 Oct 2024 10:38

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040



Tgt Ion:162 Resp: 56996

Ion Ratio Lower Upper

162 100

127 42.2 33.8 50.6

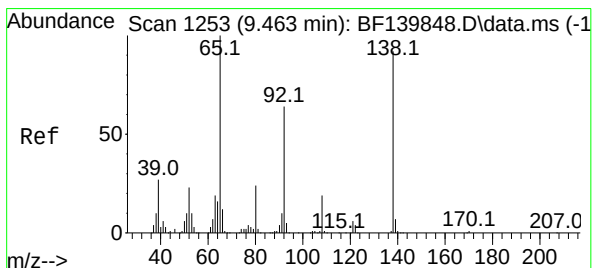
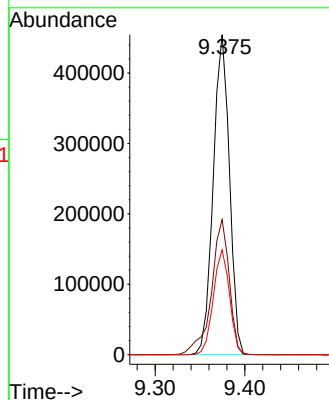
164 32.7 26.6 39.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/29/2024

Supervised By :mohammad ahmed 10/29/2024



#48

2-Nitroaniline

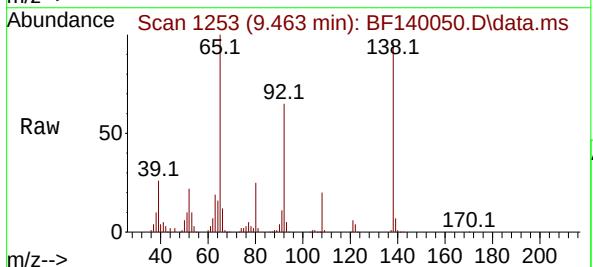
Concen: 43.726 ng

RT: 9.463 min Scan# 1253

Delta R.T. 0.000 min

Lab File: BF140050.D

Acq: 26 Oct 2024 10:38



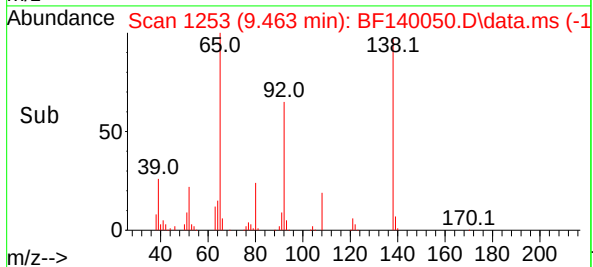
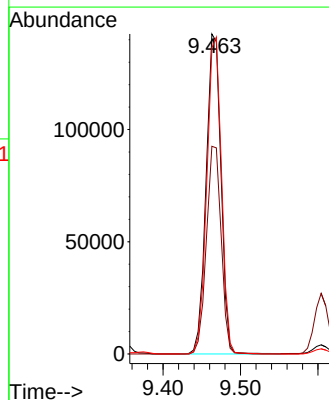
Tgt Ion: 65 Resp: 189346

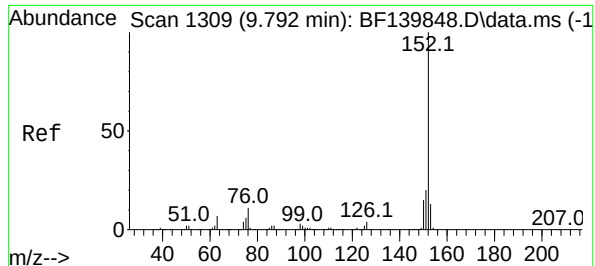
Ion Ratio Lower Upper

65 100

92 64.9 50.9 76.3

138 95.6 73.4 110.0





#49

Acenaphthylene

Concen: 40.178 ng

RT: 9.792 min Scan# 1309

Delta R.T. 0.000 min

Lab File: BF140050.D

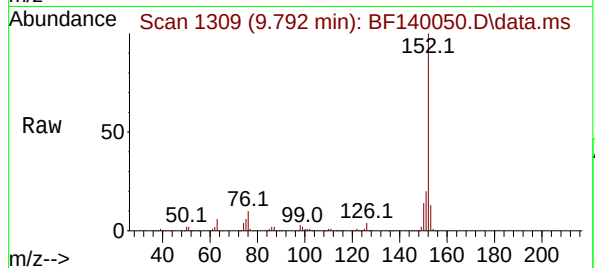
Acq: 26 Oct 2024 10:38

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040



Tgt Ion:152 Resp: 822402

Ion Ratio Lower Upper

152 100

151 20.2 15.9 23.9

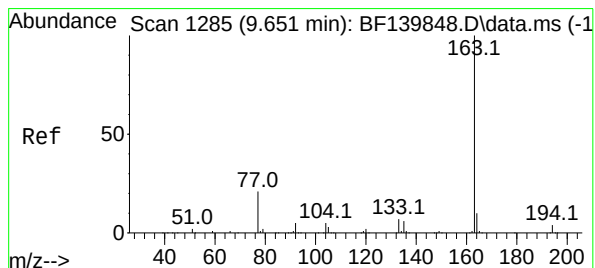
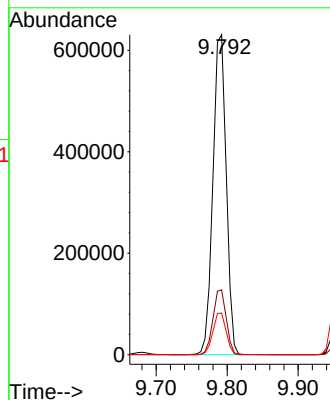
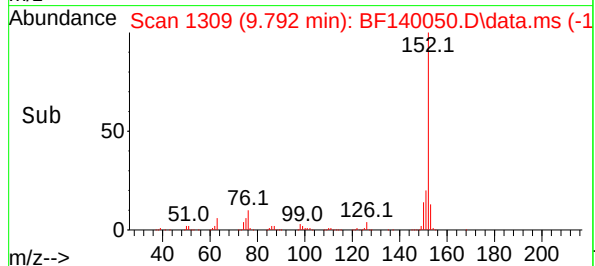
153 13.0 10.7 16.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/29/2024

Supervised By :mohammad ahmed 10/29/2024



#50

Dimethylphthalate

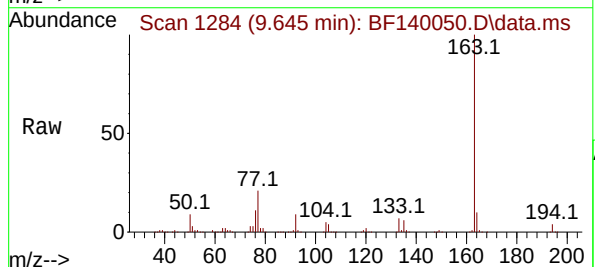
Concen: 39.467 ng

RT: 9.645 min Scan# 1284

Delta R.T. -0.006 min

Lab File: BF140050.D

Acq: 26 Oct 2024 10:38



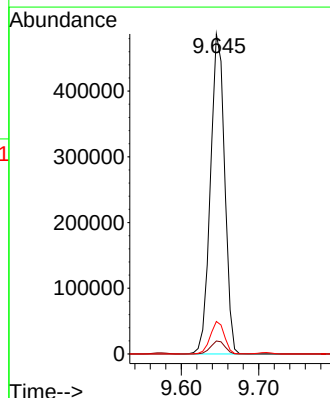
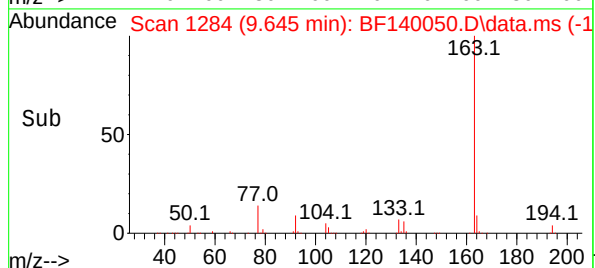
Tgt Ion:163 Resp: 620788

Ion Ratio Lower Upper

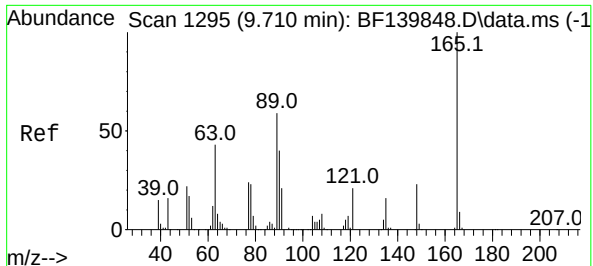
163 100

194 4.1 3.4 5.0

164 10.1 8.2 12.2







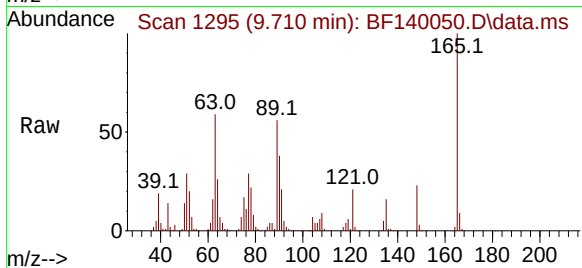
#51  
2,6-Dinitrotoluene  
Concen: 43.043 ng  
RT: 9.710 min Scan# 1295  
Delta R.T. 0.000 min  
Lab File: BF140050.D  
Acq: 26 Oct 2024 10:38

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

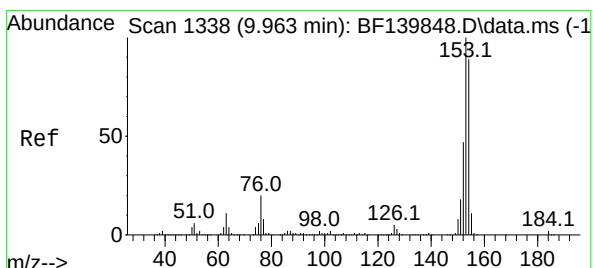
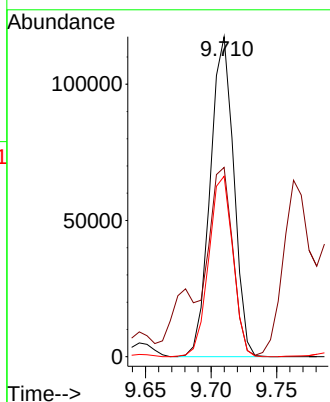
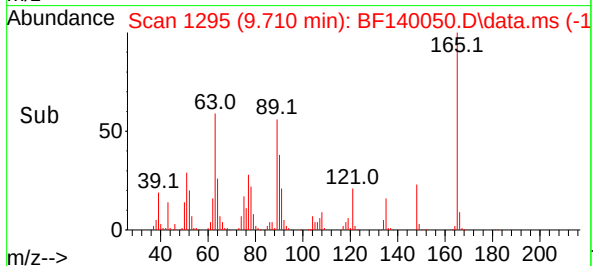


Tgt Ion:165 Resp: 146590  
Ion Ratio Lower Upper  
165 100  
63 59.2 50.6 75.8  
89 56.4 47.5 71.3

Manual Integrations

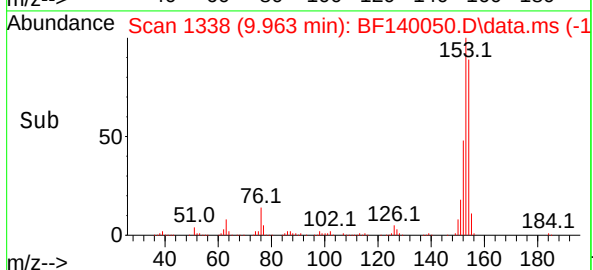
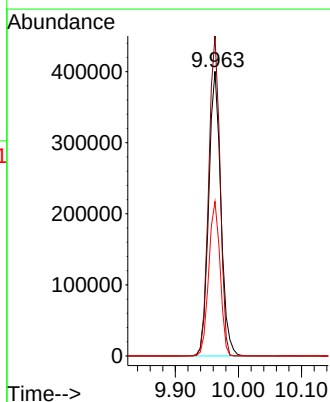
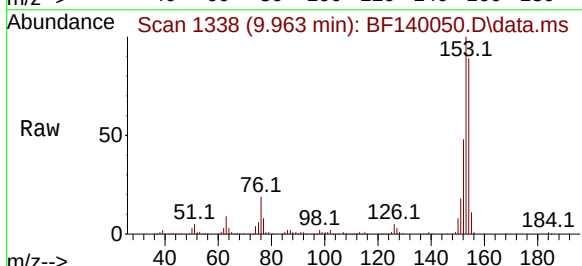
APPROVED

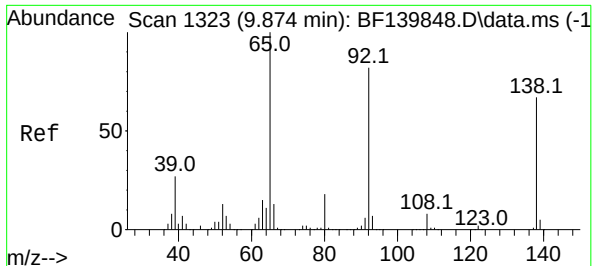
Reviewed By :Yogesh Patel 10/29/2024  
Supervised By :mohammad ahmed 10/29/2024



#52  
Acenaphthene  
Concen: 40.337 ng  
RT: 9.963 min Scan# 1338  
Delta R.T. 0.000 min  
Lab File: BF140050.D  
Acq: 26 Oct 2024 10:38

Tgt Ion:154 Resp: 534118  
Ion Ratio Lower Upper  
154 100  
153 112.4 89.8 134.6  
152 54.2 42.4 63.6





#53

3-Nitroaniline

Concen: 42.788 ng

RT: 9.875 min Scan# 1323

Delta R.T. 0.000 min

Lab File: BF140050.D

Acq: 26 Oct 2024 10:38

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

Tgt Ion:138 Resp: 150273

Ion Ratio Lower Upper

138 100

108 10.9 10.2 15.2

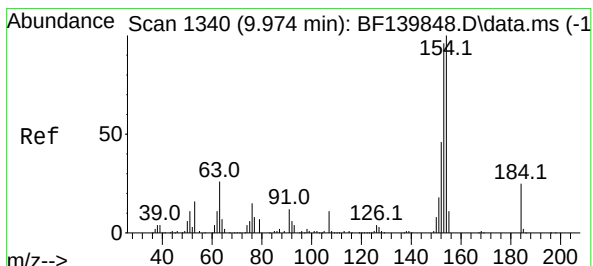
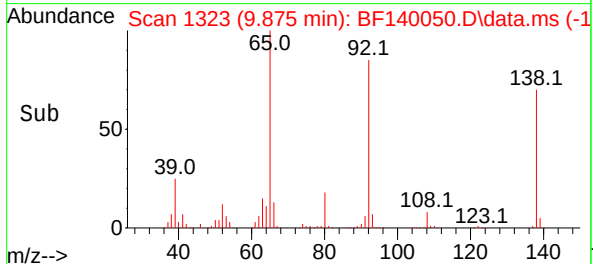
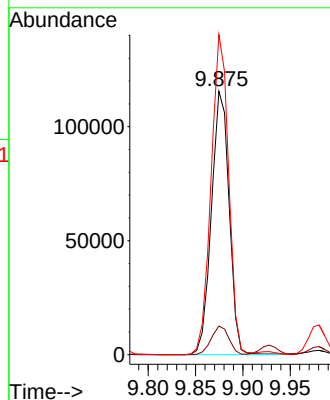
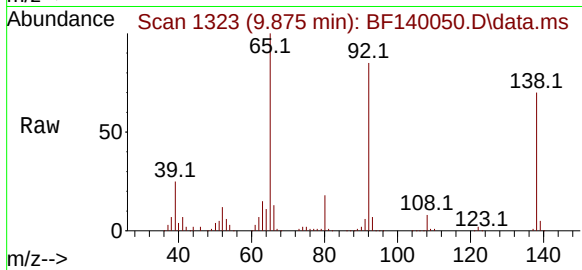
92 121.5 98.3 147.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/29/2024

Supervised By :mohammad ahmed 10/29/2024



#54

2,4-Dinitrophenol

Concen: 47.791 ng

RT: 9.980 min Scan# 1341

Delta R.T. 0.006 min

Lab File: BF140050.D

Acq: 26 Oct 2024 10:38

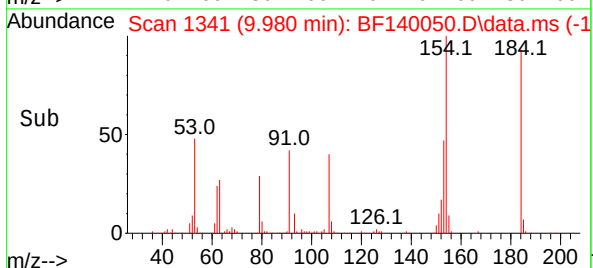
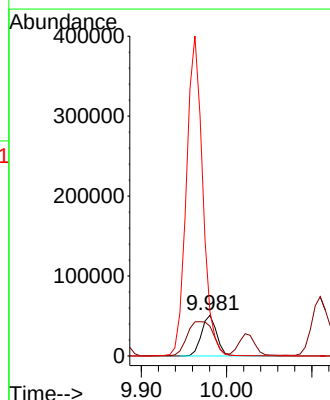
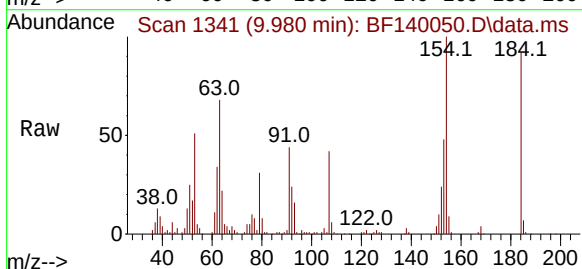
Tgt Ion:184 Resp: 63575

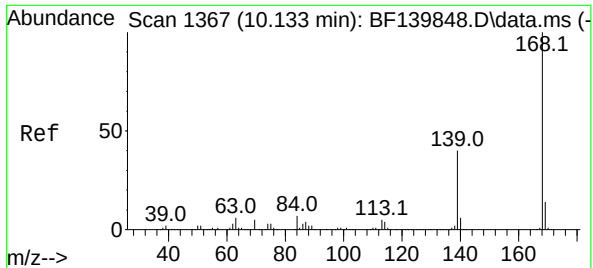
Ion Ratio Lower Upper

184 100

63 73.3 84.7 127.1#

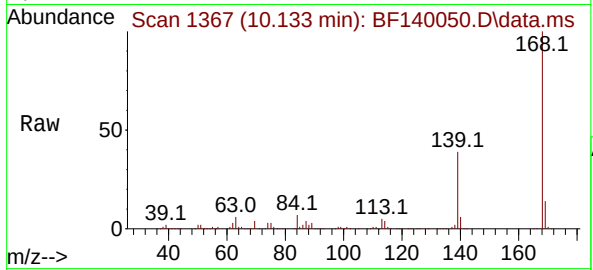
154 108.4 338.2 507.2#





#55  
Dibenzofuran  
Concen: 39.650 ng  
RT: 10.133 min Scan# 1367  
Delta R.T. 0.000 min  
Lab File: BF140050.D  
Acq: 26 Oct 2024 10:38

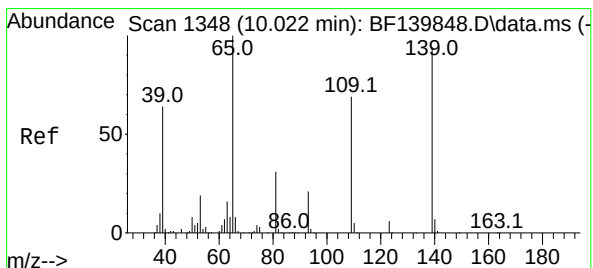
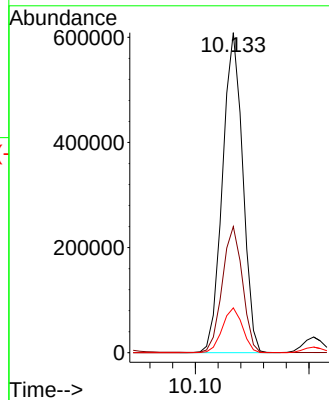
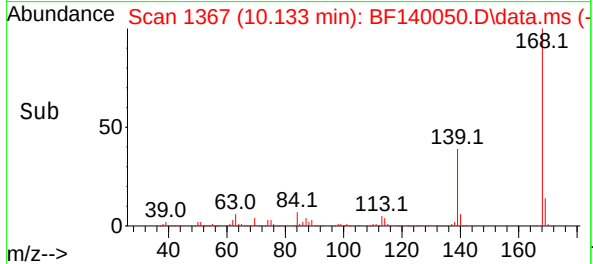
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040



Tgt Ion:168 Resp: 753272  
Ion Ratio Lower Upper  
168 100  
139 39.4 31.8 47.6  
169 14.0 11.6 17.4

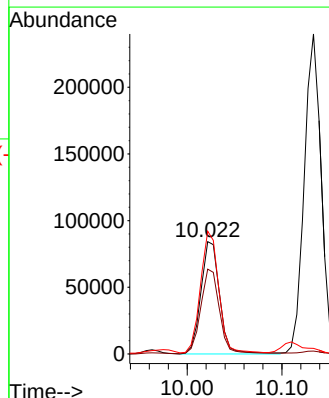
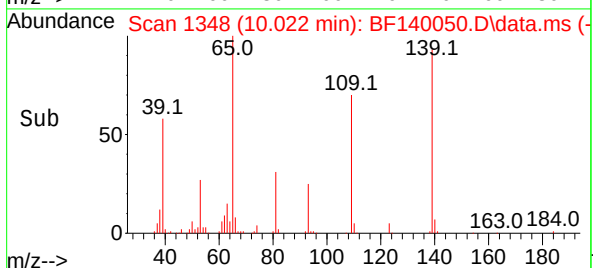
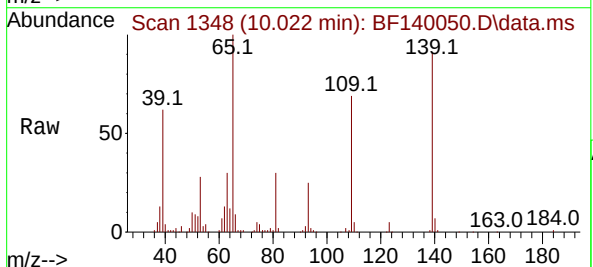
Manual Integrations  
**APPROVED**

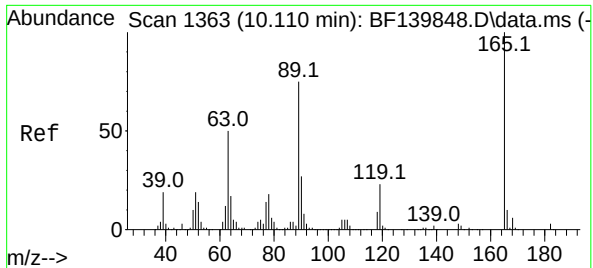
Reviewed By :Yogesh Patel 10/29/2024  
Supervised By :mohammad ahmed 10/29/2024



#56  
4-Nitrophenol  
Concen: 42.861 ng  
RT: 10.022 min Scan# 1348  
Delta R.T. 0.000 min  
Lab File: BF140050.D  
Acq: 26 Oct 2024 10:38

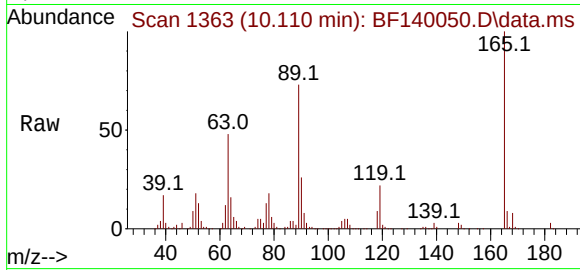
Tgt Ion:139 Resp: 115811  
Ion Ratio Lower Upper  
139 100  
109 75.6 53.6 93.6  
65 109.4 87.8 127.8





#57  
2,4-Dinitrotoluene  
Concen: 46.215 ng  
RT: 10.110 min Scan# 1363  
Delta R.T. 0.000 min  
Lab File: BF140050.D  
Acq: 26 Oct 2024 10:38

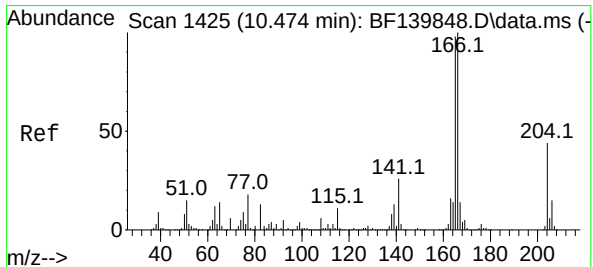
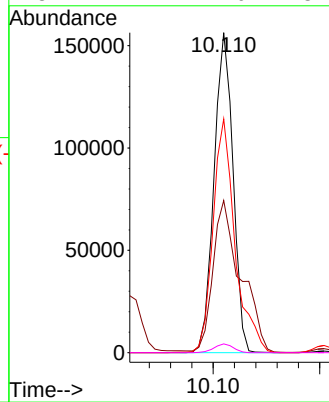
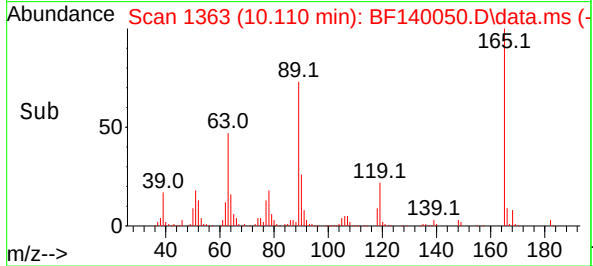
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040



Tgt Ion:165 Resp: 193550  
Ion Ratio Lower Upper  
165 100  
63 47.6 40.1 60.1  
89 73.1 60.4 90.6  
182 2.7 2.0 3.0

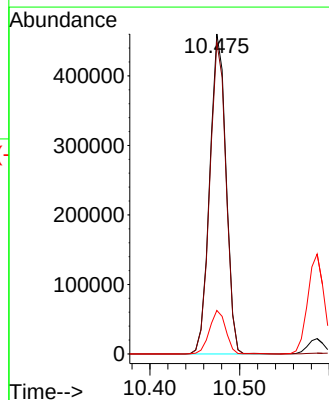
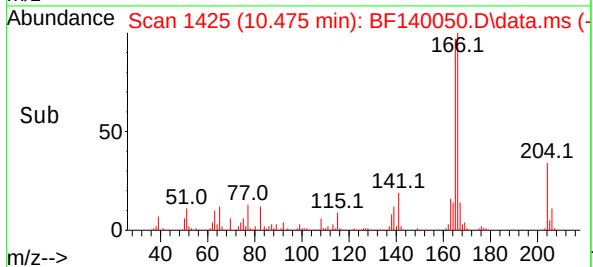
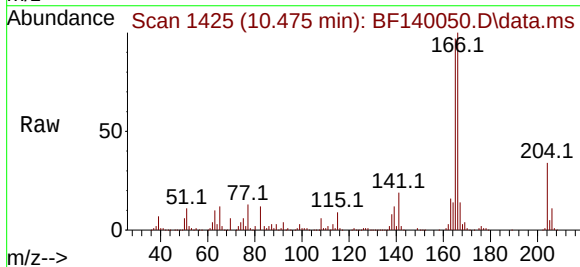
Manual Integrations  
APPROVED

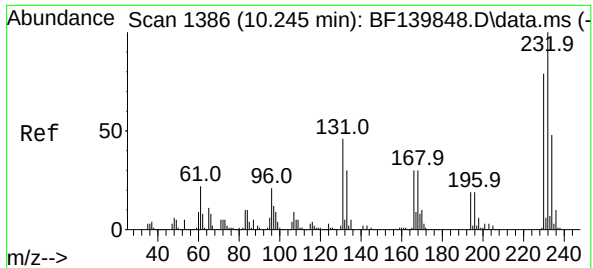
Reviewed By :Yogesh Patel 10/29/2024  
Supervised By :mohammad ahmed 10/29/2024



#58  
Fluorene  
Concen: 40.101 ng  
RT: 10.475 min Scan# 1425  
Delta R.T. 0.000 min  
Lab File: BF140050.D  
Acq: 26 Oct 2024 10:38

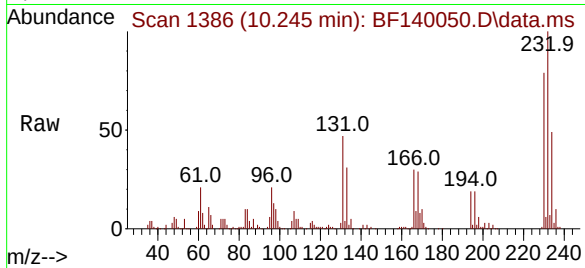
Tgt Ion:166 Resp: 580262  
Ion Ratio Lower Upper  
166 100  
165 97.3 78.5 117.7  
167 13.6 10.9 16.3





#59  
2,3,4,6-Tetrachlorophenol  
Concen: 40.748 ng  
RT: 10.245 min Scan# 1386  
Delta R.T. 0.000 min  
Lab File: BF140050.D  
Acq: 26 Oct 2024 10:38

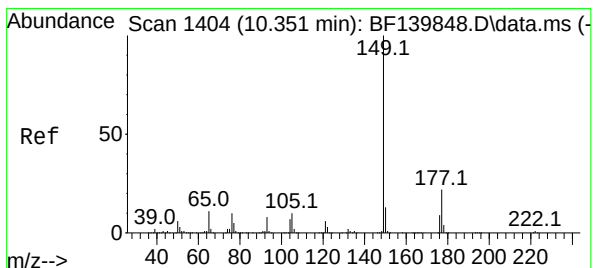
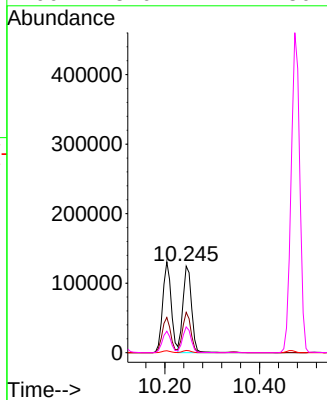
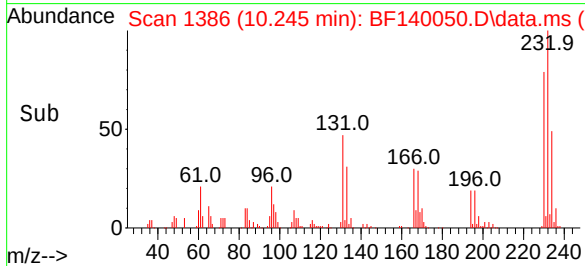
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040



Tgt Ion:232 Resp: 158961  
Ion Ratio Lower Upper  
232 100  
131 45.4 37.0 55.6  
130 2.6 1.9 2.9  
166 28.6 24.2 36.2

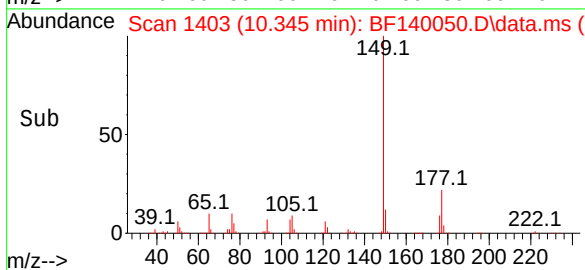
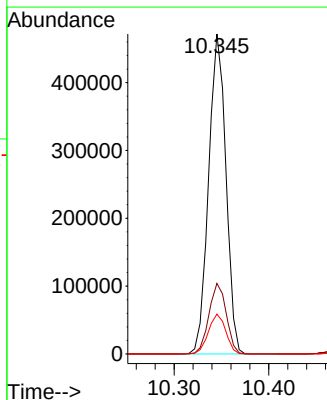
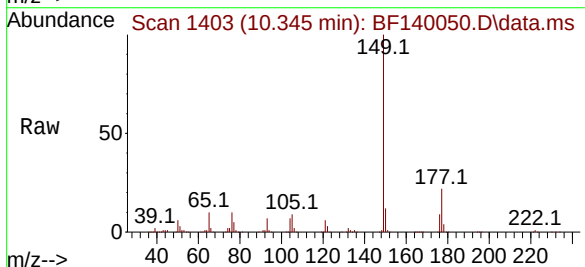
Manual Integrations  
APPROVED

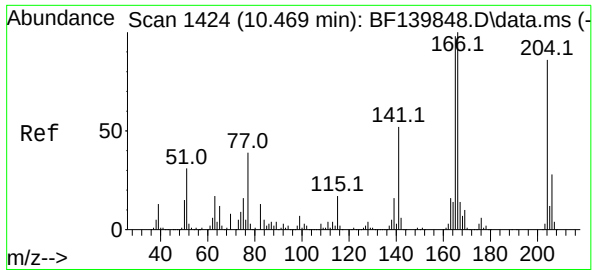
Reviewed By :Yogesh Patel 10/29/2024  
Supervised By :mohammad ahmed 10/29/2024



#60  
Diethylphthalate  
Concen: 38.622 ng  
RT: 10.345 min Scan# 1403  
Delta R.T. -0.006 min  
Lab File: BF140050.D  
Acq: 26 Oct 2024 10:38

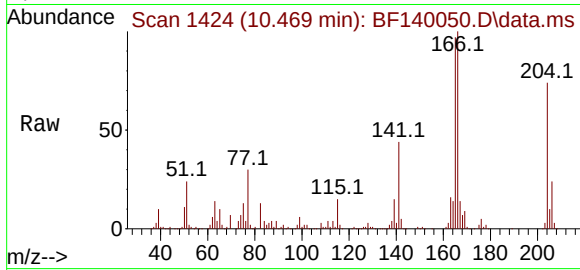
Tgt Ion:149 Resp: 596467  
Ion Ratio Lower Upper  
149 100  
177 22.1 17.9 26.9  
150 12.5 10.1 15.1





#61  
4-Chlorophenyl-phenylether  
Concen: 40.136 ng  
RT: 10.469 min Scan# 1424  
Delta R.T. 0.000 min  
Lab File: BF140050.D  
Acq: 26 Oct 2024 10:38

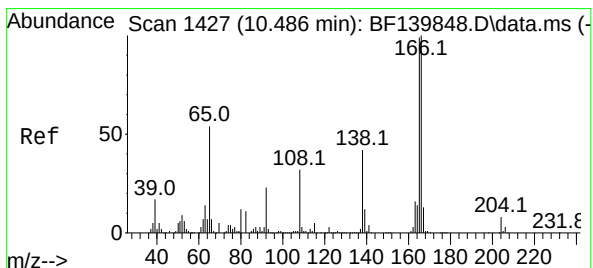
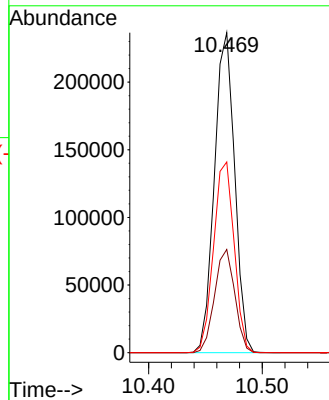
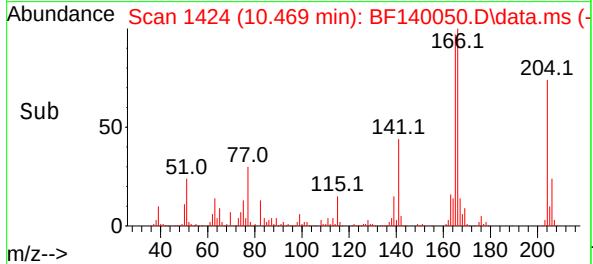
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040



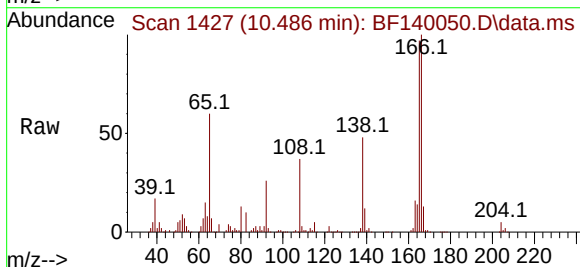
Tgt Ion:204 Resp: 293294  
Ion Ratio Lower Upper  
204 100  
206 32.2 26.3 39.5  
141 59.6 48.6 73.0

Manual Integrations  
APPROVED

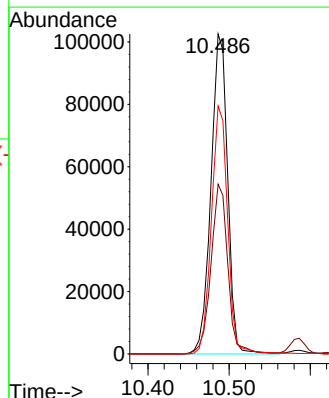
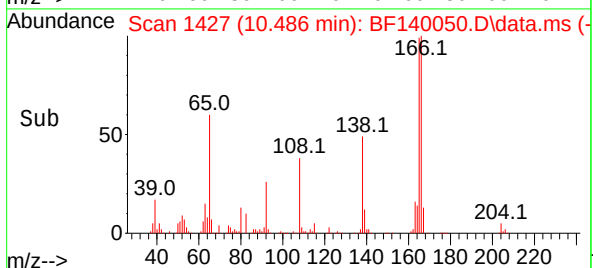
Reviewed By :Yogesh Patel 10/29/2024  
Supervised By :mohammad ahmed 10/29/2024

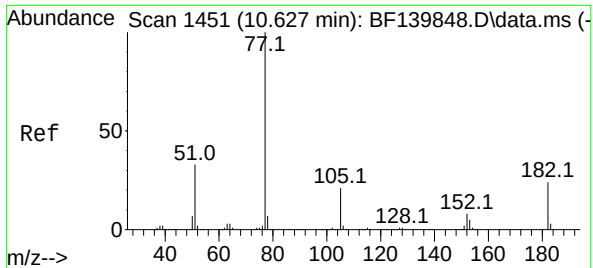


#62  
4-Nitroaniline  
Concen: 44.006 ng  
RT: 10.486 min Scan# 1427  
Delta R.T. 0.000 min  
Lab File: BF140050.D  
Acq: 26 Oct 2024 10:38



Tgt Ion:138 Resp: 145969  
Ion Ratio Lower Upper  
138 100  
92 53.0 35.7 75.7  
108 77.5 57.5 97.5





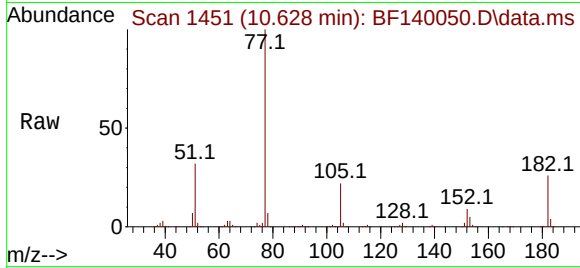
#63  
Azobenzene  
Concen: 36.919 ng  
RT: 10.628 min Scan# 1451  
Delta R.T. 0.000 min  
Lab File: BF140050.D  
Acq: 26 Oct 2024 10:38

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

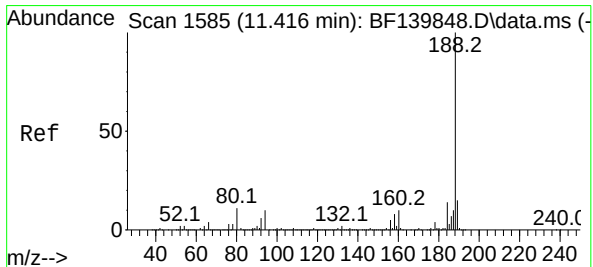
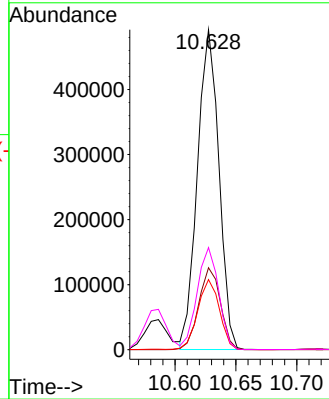
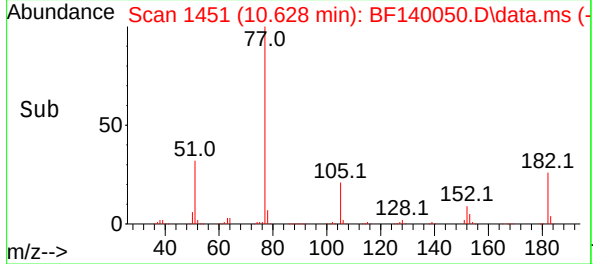


Tgt Ion: 77 Resp: 604460  
Ion Ratio Lower Upper  
77 100  
182 25.6 3.3 43.3  
105 21.9 1.2 41.2  
51 31.9 13.3 53.3

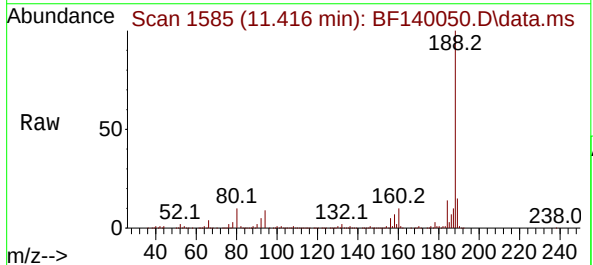
Manual Integrations

APPROVED

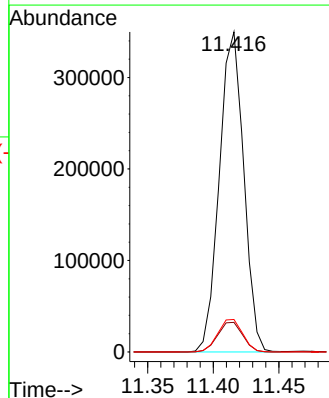
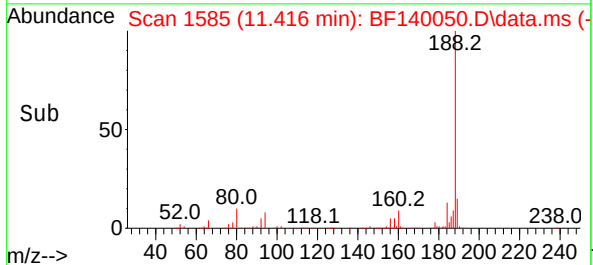
Reviewed By :Yogesh Patel 10/29/2024  
Supervised By :mohammad ahmed 10/29/2024

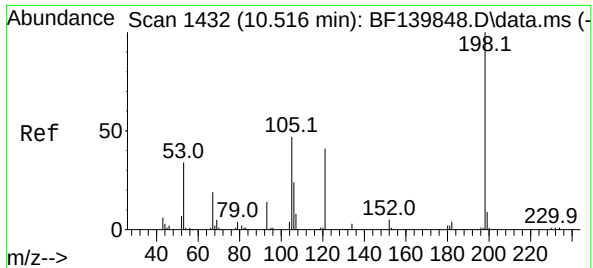


#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.416 min Scan# 1585  
Delta R.T. 0.000 min  
Lab File: BF140050.D  
Acq: 26 Oct 2024 10:38



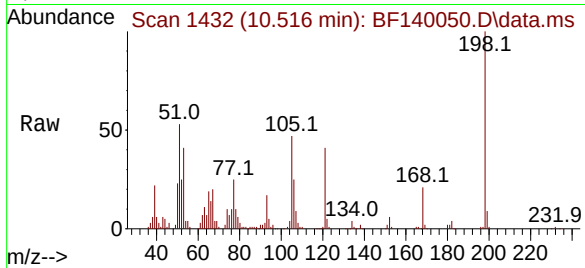
Tgt Ion:188 Resp: 452033  
Ion Ratio Lower Upper  
188 100  
94 9.2 7.9 11.9  
80 10.1 9.0 13.4





#65  
4,6-Dinitro-2-methylphenol  
Concen: 51.213 ng  
RT: 10.516 min Scan# 1432  
Delta R.T. -0.000 min  
Lab File: BF140050.D  
Acq: 26 Oct 2024 10:38

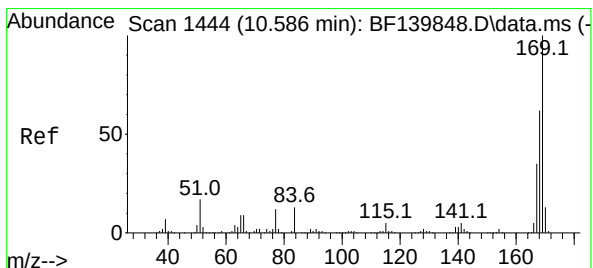
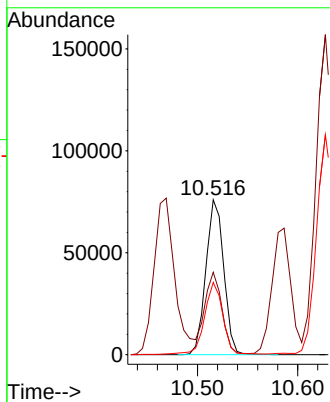
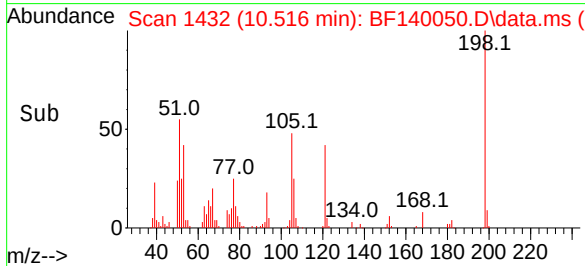
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040



Tgt Ion:198 Resp: 94428  
Ion Ratio Lower Upper  
198 100  
51 53.2 38.2 78.2  
105 46.5 27.9 67.9

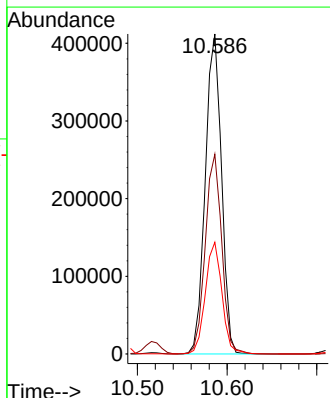
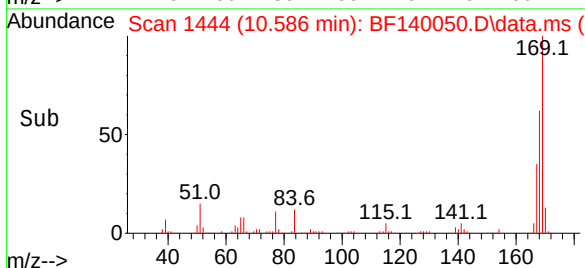
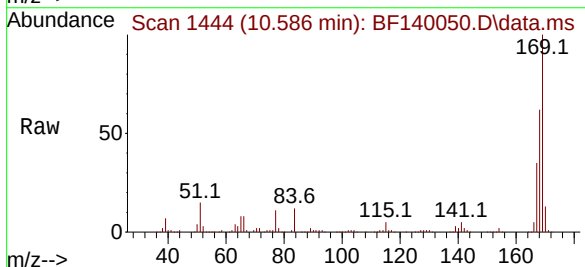
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 10/29/2024  
Supervised By :mohammad ahmed 10/29/2024

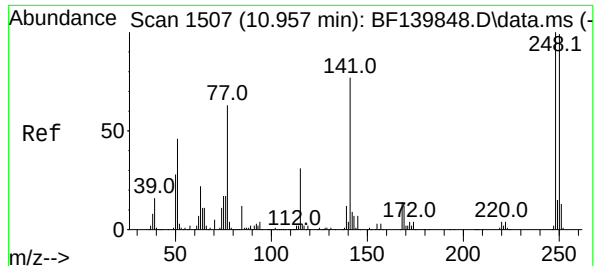


#66  
n-Nitrosodiphenylamine  
Concen: 38.193 ng  
RT: 10.586 min Scan# 1444  
Delta R.T. 0.000 min  
Lab File: BF140050.D  
Acq: 26 Oct 2024 10:38

Tgt Ion:169 Resp: 516725  
Ion Ratio Lower Upper  
169 100  
168 62.4 49.8 74.6  
167 34.9 28.0 42.0

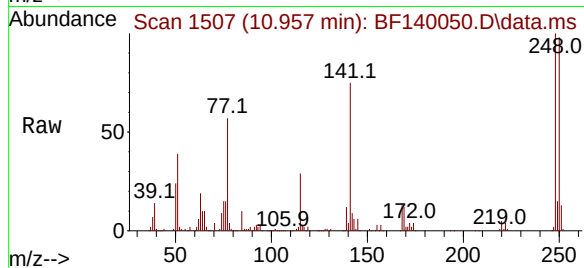






#67  
4-Bromophenyl-phenylether  
Concen: 39.222 ng  
RT: 10.957 min Scan# 1507  
Delta R.T. 0.000 min  
Lab File: BF140050.D  
Acq: 26 Oct 2024 10:38

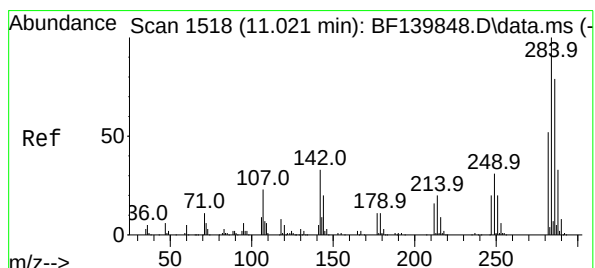
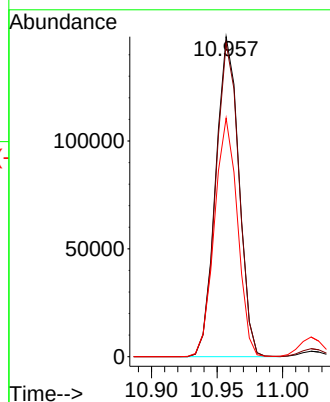
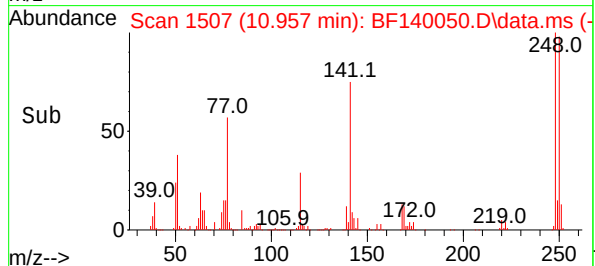
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040



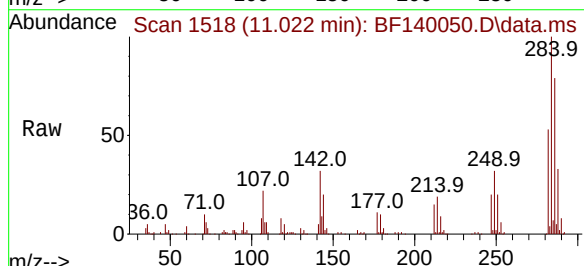
Tgt Ion:248 Resp: 18265  
Ion Ratio Lower Upper  
248 100  
250 97.9 79.0 118.6  
141 74.5 61.7 92.5

Manual Integrations  
APPROVED

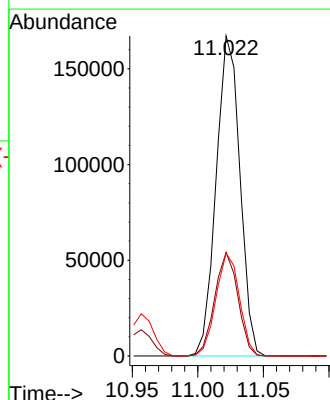
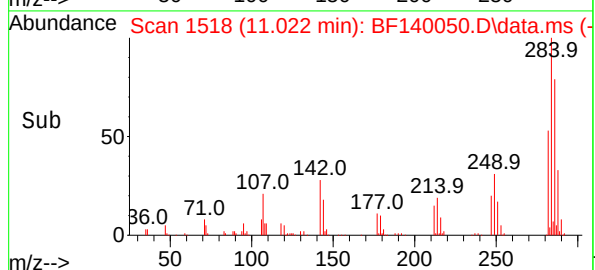
Reviewed By :Yogesh Patel 10/29/2024  
Supervised By :mohammad ahmed 10/29/2024

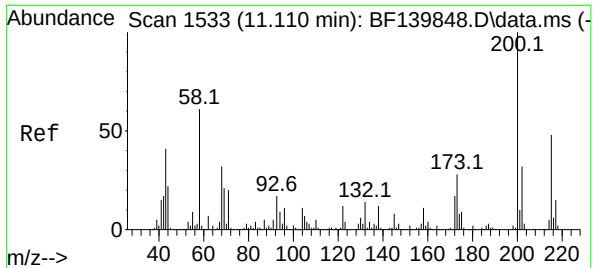


#68  
Hexachlorobenzene  
Concen: 40.149 ng  
RT: 11.022 min Scan# 1518  
Delta R.T. 0.000 min  
Lab File: BF140050.D  
Acq: 26 Oct 2024 10:38



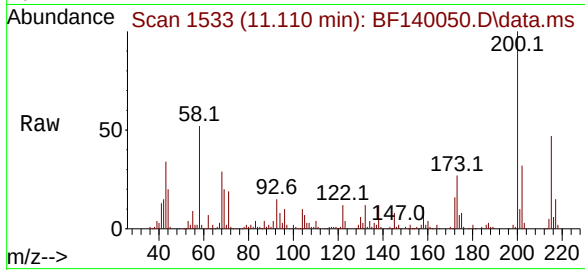
Tgt Ion:284 Resp: 210271  
Ion Ratio Lower Upper  
284 100  
142 32.4 26.9 40.3  
249 32.2 25.3 37.9





#69  
Atrazine  
Concen: 38.590 ng  
RT: 11.110 min Scan# 1533  
Delta R.T. 0.000 min  
Lab File: BF140050.D  
Acq: 26 Oct 2024 10:38

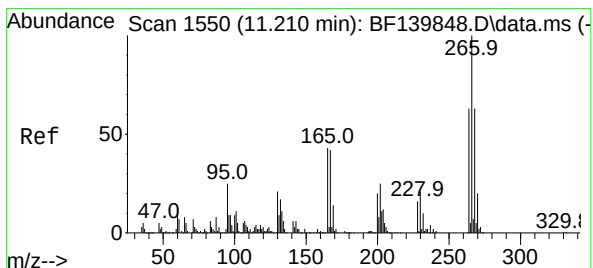
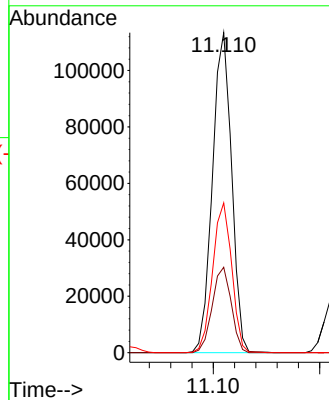
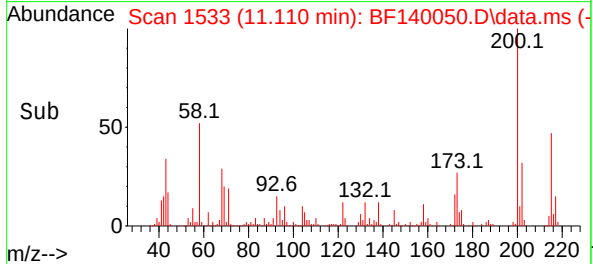
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040



Tgt Ion:200 Resp: 14142  
Ion Ratio Lower Upper  
200 100  
173 26.7 7.7 47.7  
215 46.8 27.7 67.7

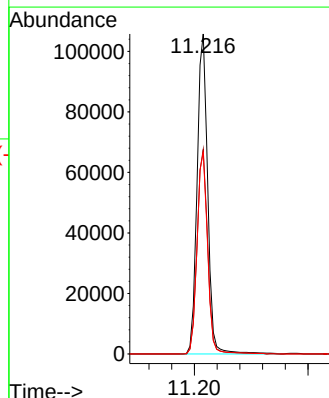
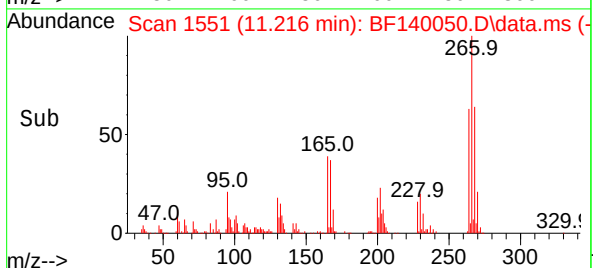
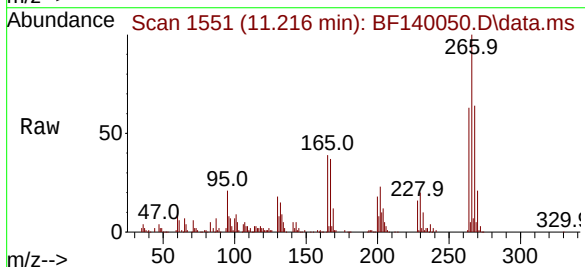
Manual Integrations  
APPROVED

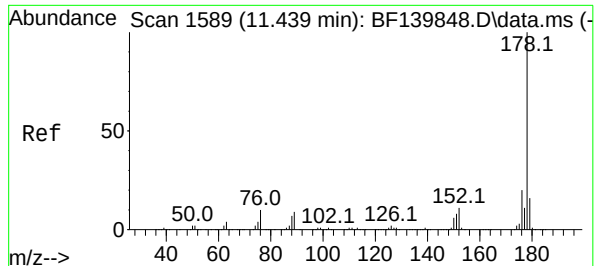
Reviewed By :Yogesh Patel 10/29/2024  
Supervised By :mohammad ahmed 10/29/2024



#70  
Pentachlorophenol  
Concen: 43.242 ng  
RT: 11.216 min Scan# 1551  
Delta R.T. 0.006 min  
Lab File: BF140050.D  
Acq: 26 Oct 2024 10:38

Tgt Ion:266 Resp: 137449  
Ion Ratio Lower Upper  
266 100  
268 63.9 50.4 75.6  
264 63.1 50.6 75.8





#71

Phenanthrene

Concen: 38.651 ng

RT: 11.439 min Scan# 1589

Delta R.T. 0.000 min

Lab File: BF140050.D

Acq: 26 Oct 2024 10:38

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

Tgt Ion:178 Resp: 825274

Ion Ratio Lower Upper

178 100

176 19.7 15.8 23.6

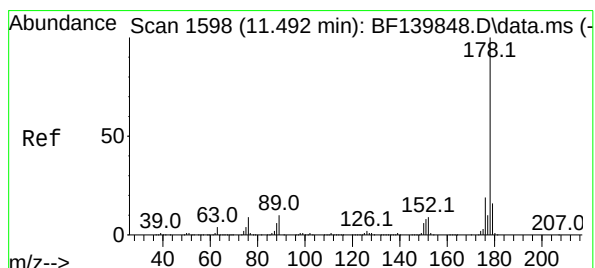
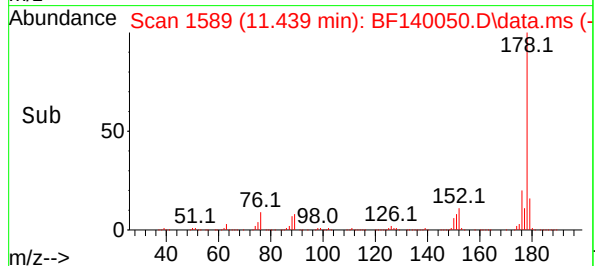
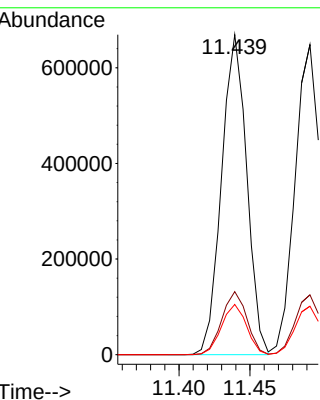
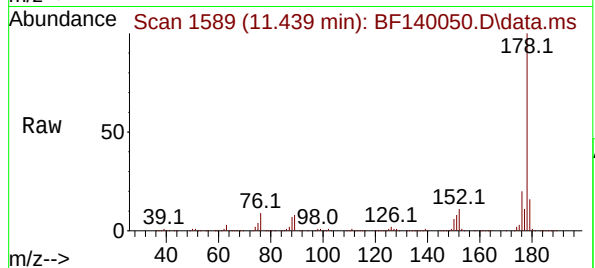
179 15.7 12.6 18.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/29/2024

Supervised By :mohammad ahmed 10/29/2024



#72

Anthracene

Concen: 39.105 ng

RT: 11.492 min Scan# 1598

Delta R.T. 0.000 min

Lab File: BF140050.D

Acq: 26 Oct 2024 10:38

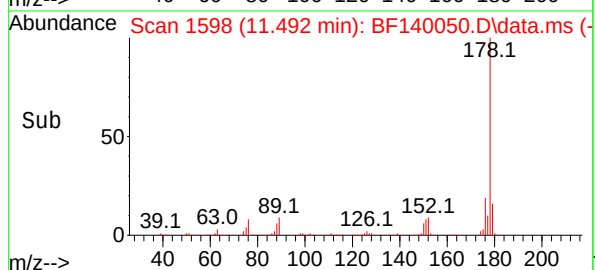
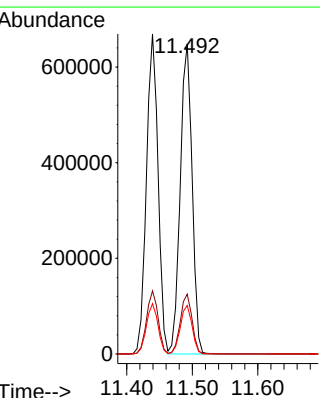
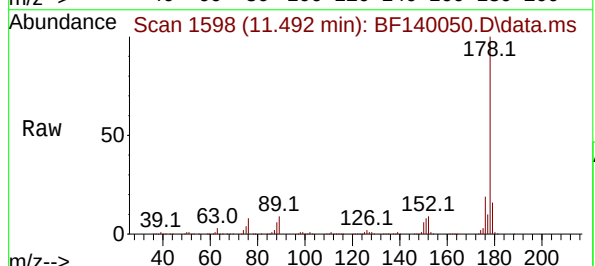
Tgt Ion:178 Resp: 814682

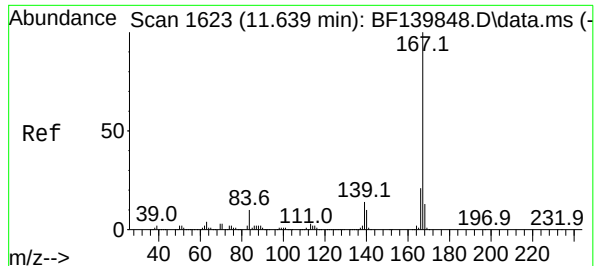
Ion Ratio Lower Upper

178 100

176 19.3 15.3 22.9

179 15.6 12.4 18.6





#73

Carbazole

Concen: 38.824 ng

RT: 11.645 min Scan# 1623

Delta R.T. 0.006 min

Lab File: BF140050.D

Acq: 26 Oct 2024 10:38

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

Tgt Ion:167 Resp: 752228

Ion Ratio Lower Upper

167 100

166 21.7 17.0 25.6

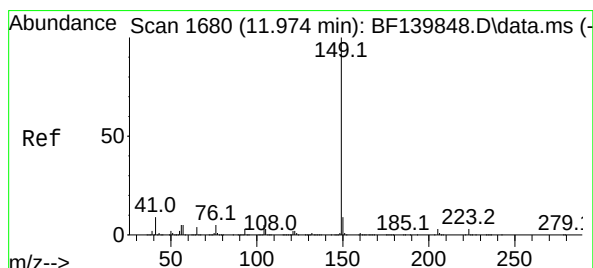
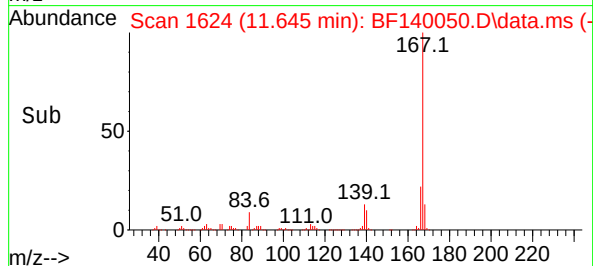
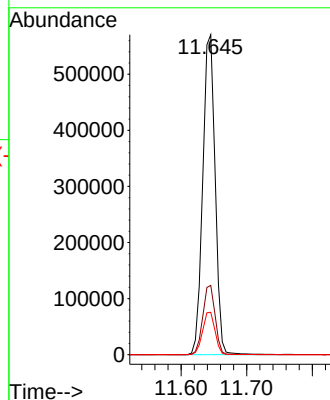
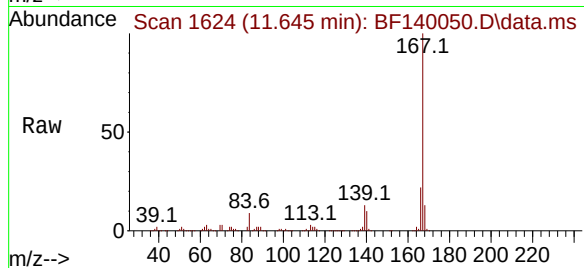
139 13.3 10.8 16.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/29/2024

Supervised By :mohammad ahmed 10/29/2024



#74

Di-n-butylphthalate

Concen: 38.208 ng

RT: 11.975 min Scan# 1680

Delta R.T. 0.000 min

Lab File: BF140050.D

Acq: 26 Oct 2024 10:38

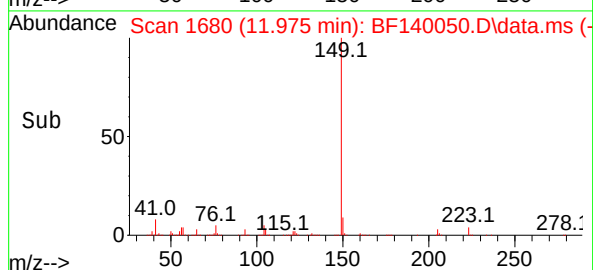
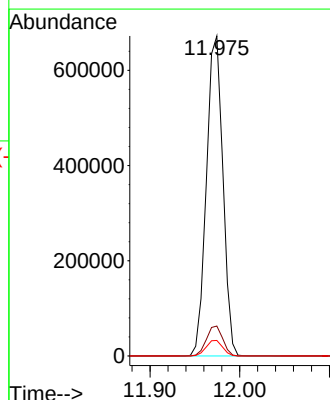
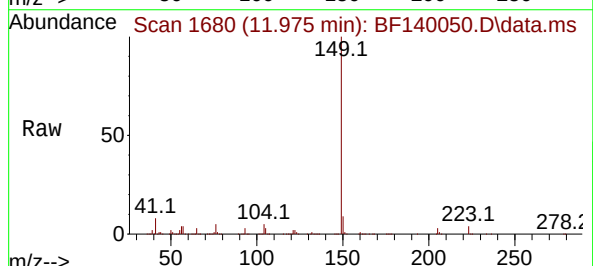
Tgt Ion:149 Resp: 855272

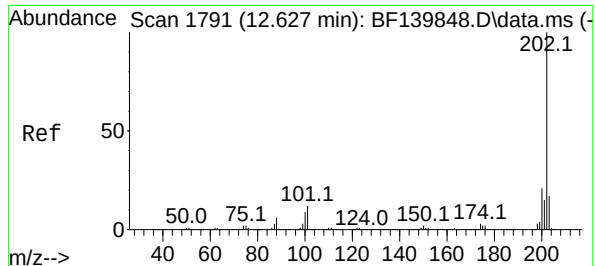
Ion Ratio Lower Upper

149 100

150 9.4 7.5 11.3

104 4.8 4.1 6.1





#75

Fluoranthene

Concen: 40.418 ng

RT: 12.627 min Scan# 1791

Delta R.T. 0.000 min

Lab File: BF140050.D

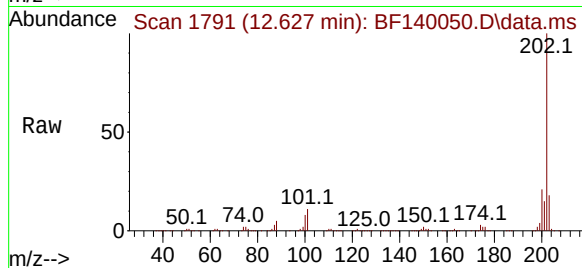
Acq: 26 Oct 2024 10:38

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040



Tgt Ion:202 Resp: 872429

Ion Ratio Lower Upper

202 100

101 10.9 0.0 31.9

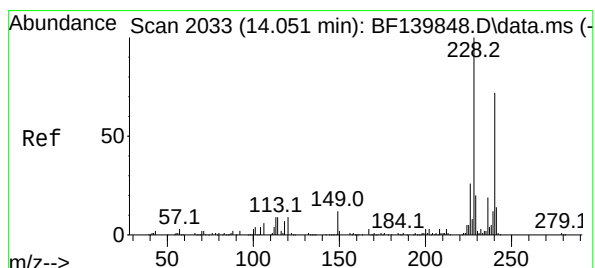
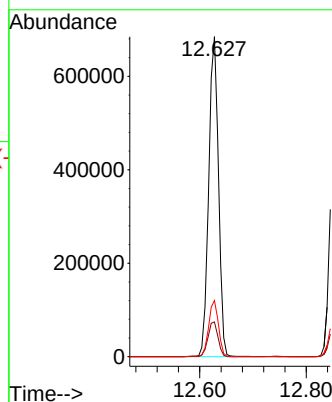
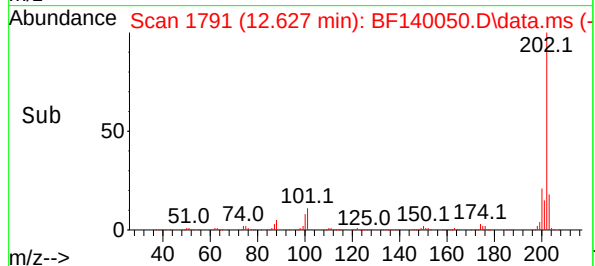
203 17.5 0.0 37.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/29/2024

Supervised By :mohammad ahmed 10/29/2024



#76

Chrysene-d12

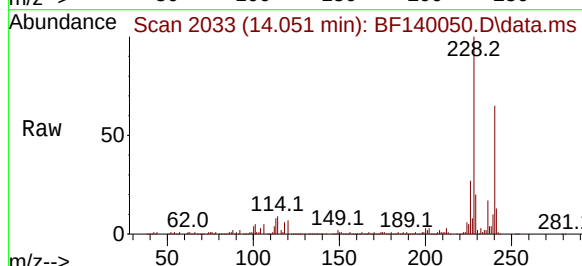
Concen: 20.000 ng

RT: 14.051 min Scan# 2033

Delta R.T. 0.000 min

Lab File: BF140050.D

Acq: 26 Oct 2024 10:38



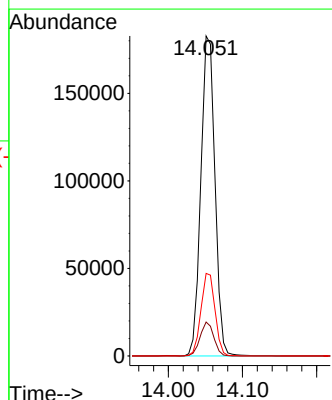
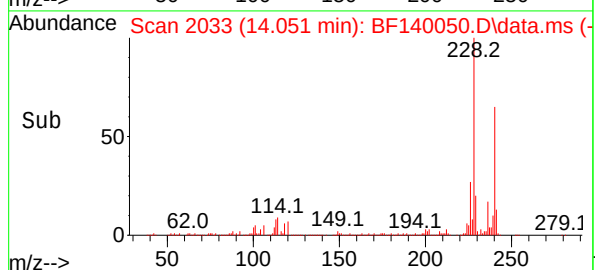
Tgt Ion:240 Resp: 241717

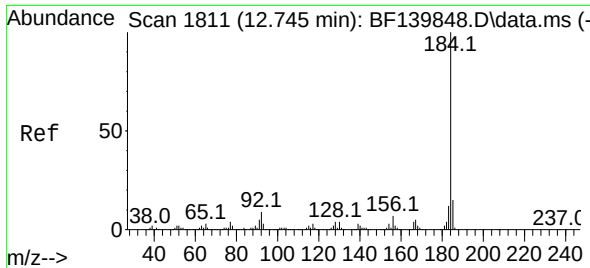
Ion Ratio Lower Upper

240 100

120 10.6 9.4 14.2

236 25.8 20.9 31.3





#77

Benzidine

Concen: 54.904 ng

RT: 12.745 min Scan# 1811

Delta R.T. 0.000 min

Lab File: BF140050.D

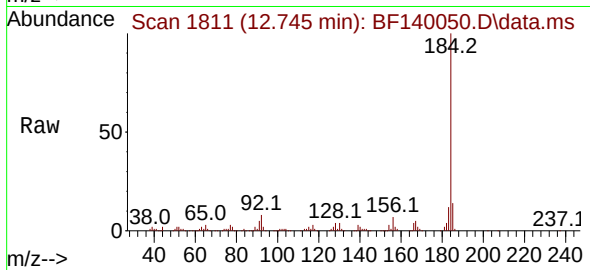
Acq: 26 Oct 2024 10:38

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040



Tgt Ion:184 Resp: 218224

Ion Ratio Lower Upper

184 100

185 14.0 12.0 18.0

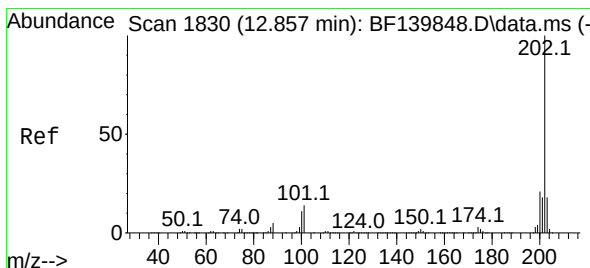
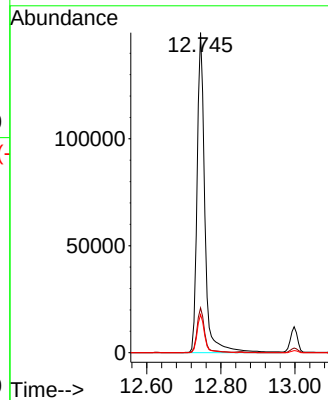
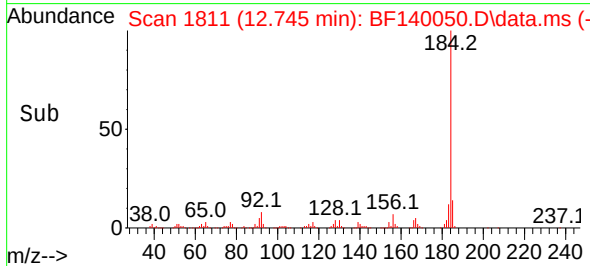
183 11.9 9.4 14.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/29/2024

Supervised By :mohammad ahmed 10/29/2024



#78

Pyrene

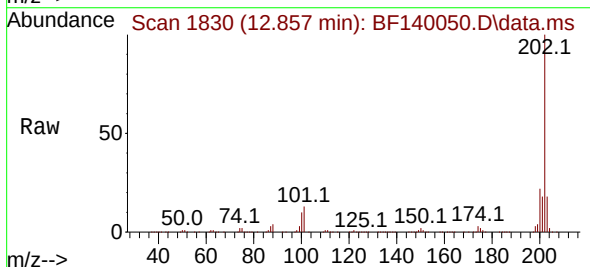
Concen: 41.378 ng

RT: 12.857 min Scan# 1830

Delta R.T. 0.000 min

Lab File: BF140050.D

Acq: 26 Oct 2024 10:38



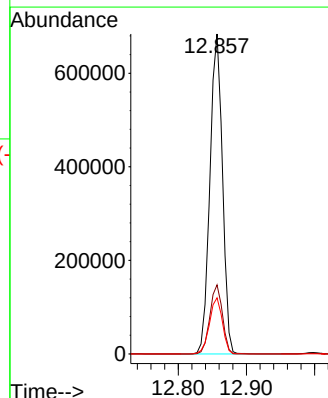
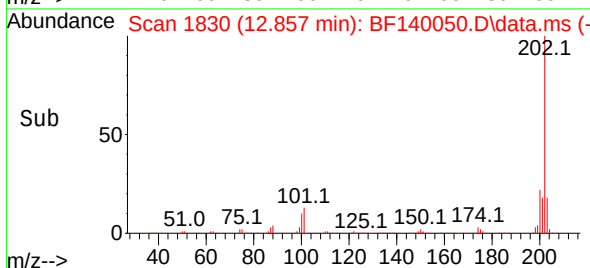
Tgt Ion:202 Resp: 875493

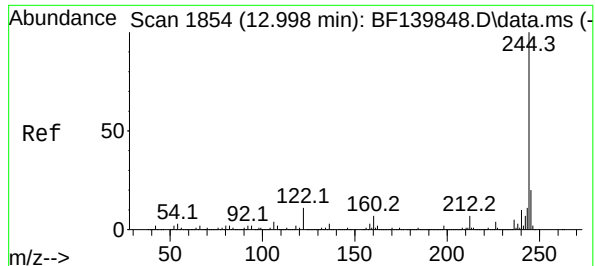
Ion Ratio Lower Upper

202 100

200 21.6 17.2 25.8

203 17.5 14.2 21.4





#79

Terphenyl-d14

Concen: 81.965 ng

RT: 12.998 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF140050.D

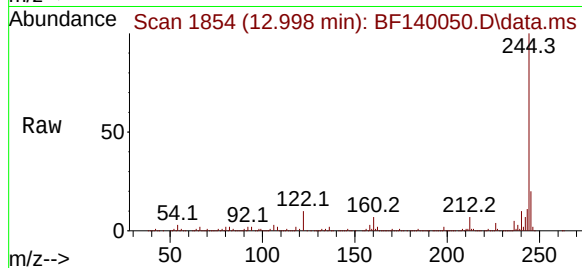
Acq: 26 Oct 2024 10:38

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040



Tgt Ion:244 Resp: 121586

Ion Ratio Lower Upper

244 100

212 6.8 5.7 8.5

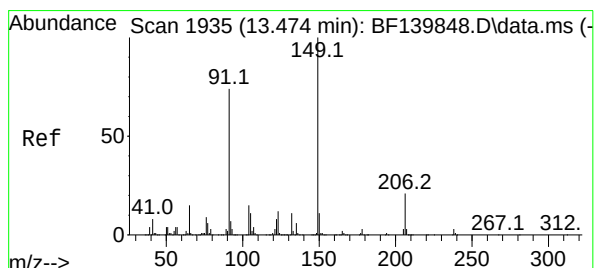
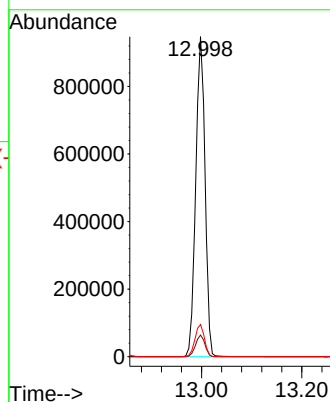
122 10.0 8.6 13.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/29/2024

Supervised By :mohammad ahmed 10/29/2024



#80

Butylbenzylphthalate

Concen: 41.996 ng

RT: 13.469 min Scan# 1934

Delta R.T. -0.006 min

Lab File: BF140050.D

Acq: 26 Oct 2024 10:38

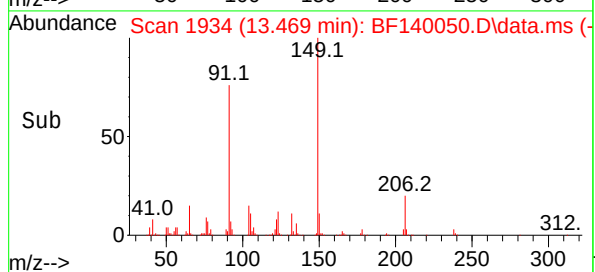
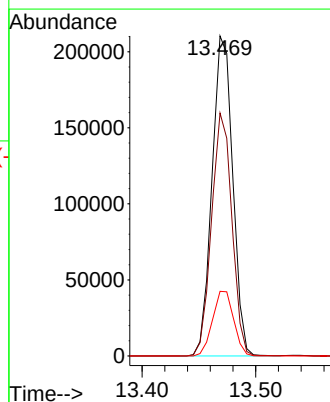
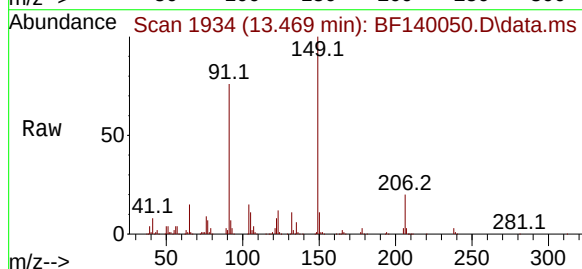
Tgt Ion:149 Resp: 266392

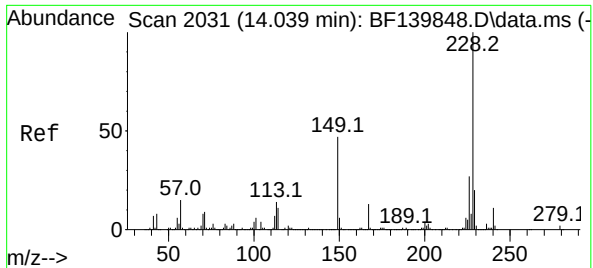
Ion Ratio Lower Upper

149 100

91 75.9 59.4 89.2

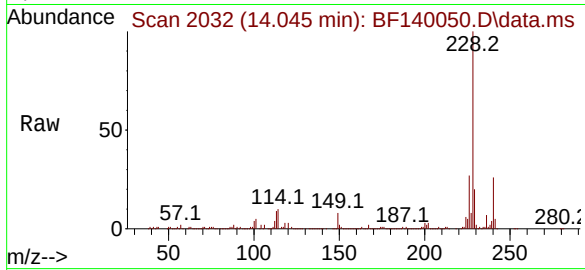
206 20.2 16.4 24.6





#81  
Benzo(a)anthracene  
Concen: 40.293 ng  
RT: 14.045 min Scan# 2031  
Delta R.T. 0.006 min  
Lab File: BF140050.D  
Acq: 26 Oct 2024 10:38

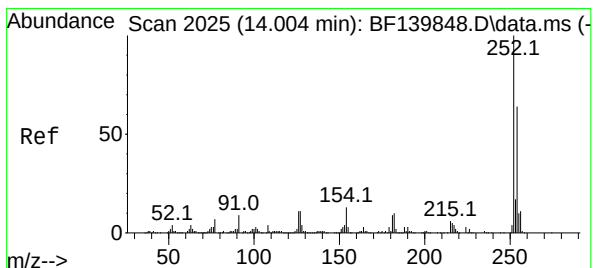
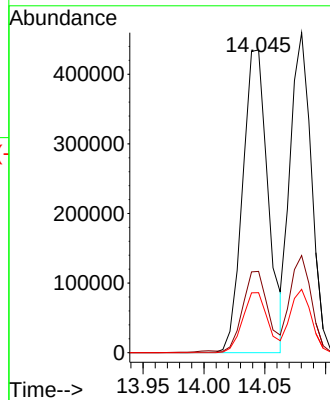
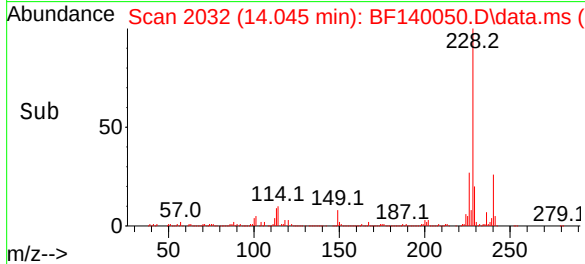
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040



Tgt Ion:228 Resp: 634000  
Ion Ratio Lower Upper  
228 100  
226 26.9 21.6 32.4  
229 19.8 16.1 24.1

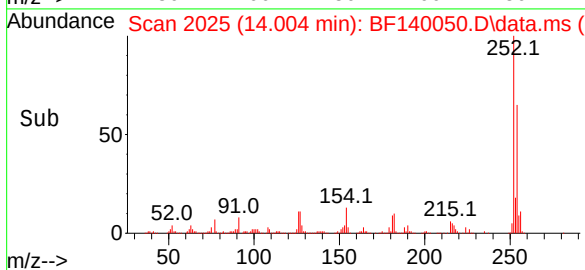
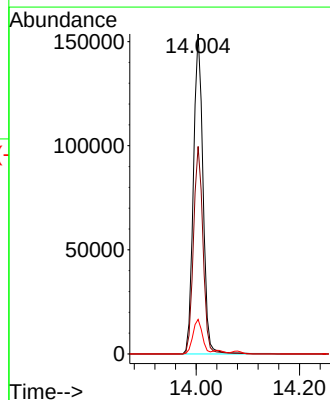
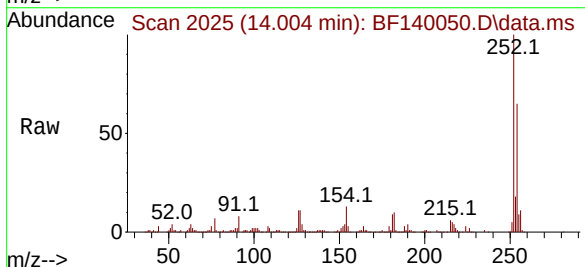
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 10/29/2024  
Supervised By :mohammad ahmed 10/29/2024

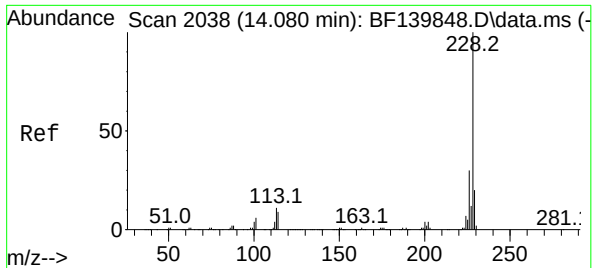


#82  
3,3'-Dichlorobenzidine  
Concen: 43.096 ng  
RT: 14.004 min Scan# 2025  
Delta R.T. 0.000 min  
Lab File: BF140050.D  
Acq: 26 Oct 2024 10:38

Tgt Ion:252 Resp: 197714  
Ion Ratio Lower Upper  
252 100  
254 64.8 50.8 76.2  
126 10.8 8.9 13.3







#83

Chrysene

Concen: 38.784 ng

RT: 14.080 min Scan# 2038

Delta R.T. 0.000 min

Lab File: BF140050.D

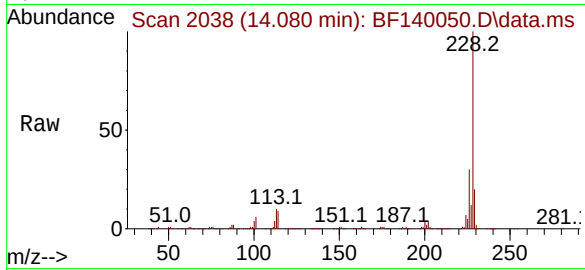
Acq: 26 Oct 2024 10:38

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040



Tgt Ion:228 Resp: 55954

Ion Ratio Lower Upper

228 100

226 30.3 24.1 36.1

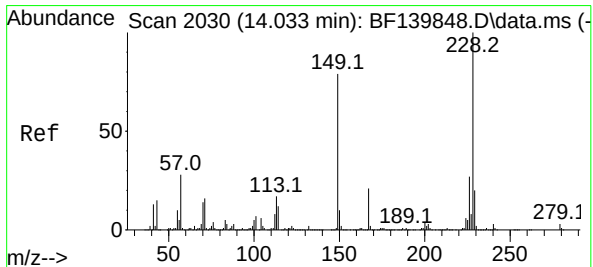
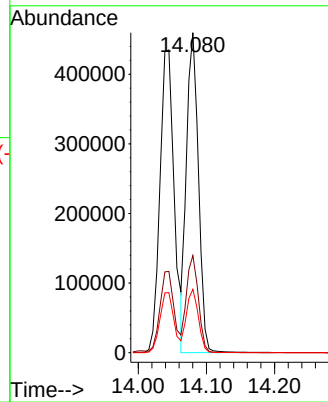
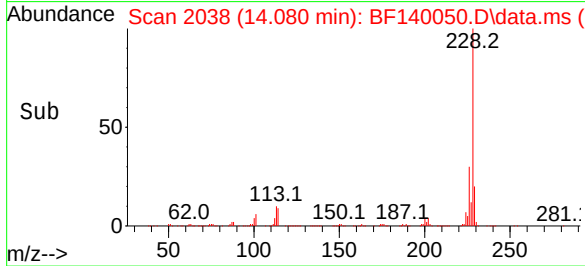
229 19.8 15.8 23.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/29/2024

Supervised By :mohammad ahmed 10/29/2024



#84

Bis(2-ethylhexyl)phthalate

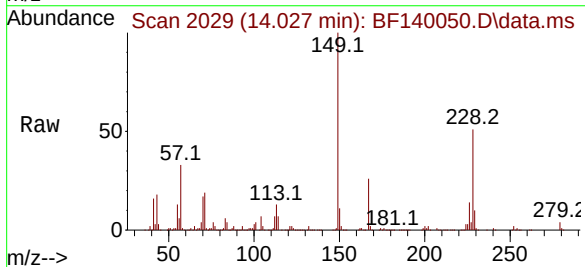
Concen: 41.182 ng

RT: 14.027 min Scan# 2029

Delta R.T. -0.006 min

Lab File: BF140050.D

Acq: 26 Oct 2024 10:38



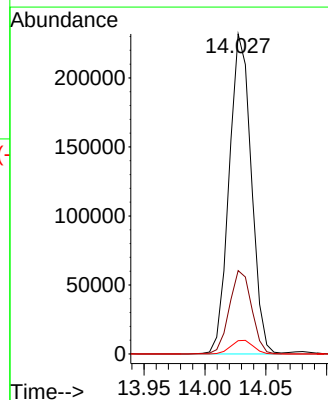
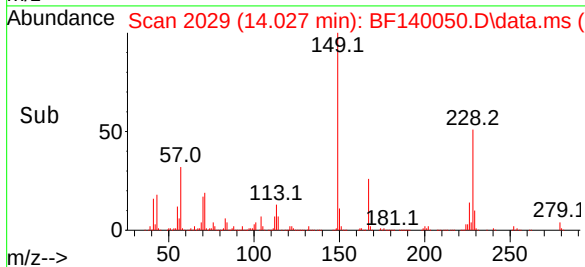
Tgt Ion:149 Resp: 293086

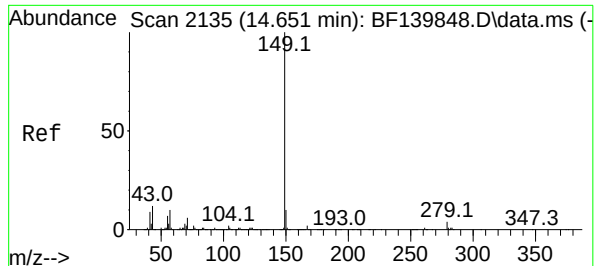
Ion Ratio Lower Upper

149 100

167 26.1 21.4 32.0

279 4.2 3.0 4.4





#85

Di-n-octyl phthalate

Concen: 33.379 ng

RT: 14.645 min Scan# 2135

Delta R.T. -0.006 min

Lab File: BF140050.D

Acq: 26 Oct 2024 10:38

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

Tgt Ion:149 Resp: 432082

Ion Ratio Lower Upper

149 100

167 1.5 1.2 1.8

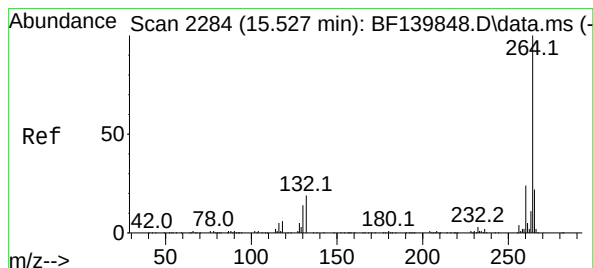
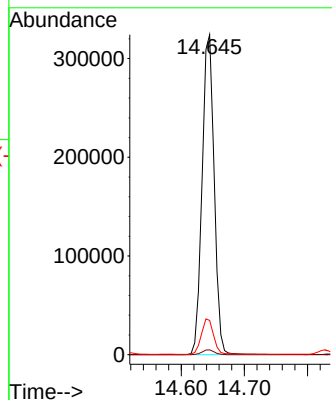
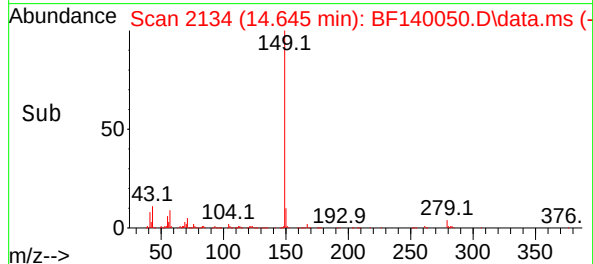
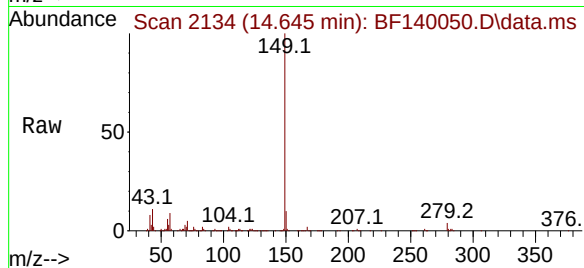
43 11.4 9.8 14.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/29/2024

Supervised By :mohammad ahmed 10/29/2024



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.533 min Scan# 2285

Delta R.T. 0.006 min

Lab File: BF140050.D

Acq: 26 Oct 2024 10:38

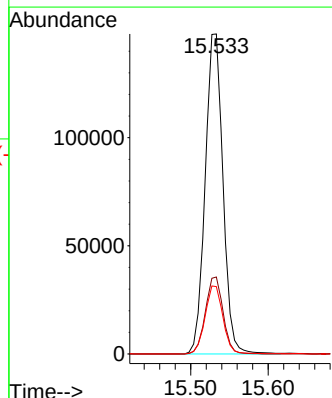
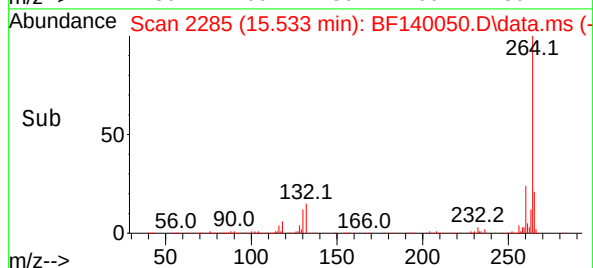
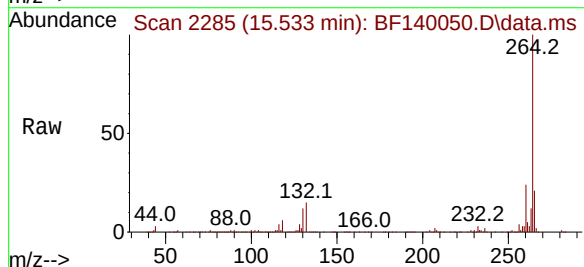
Tgt Ion:264 Resp: 235878

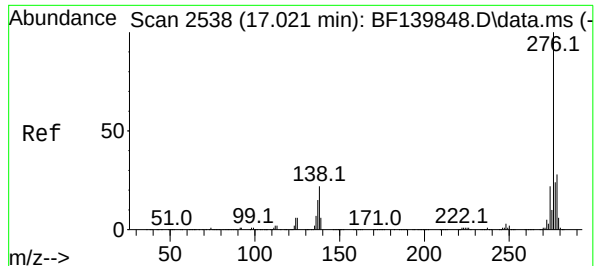
Ion Ratio Lower Upper

264 100

260 24.0 19.4 29.2

265 21.0 17.4 26.0





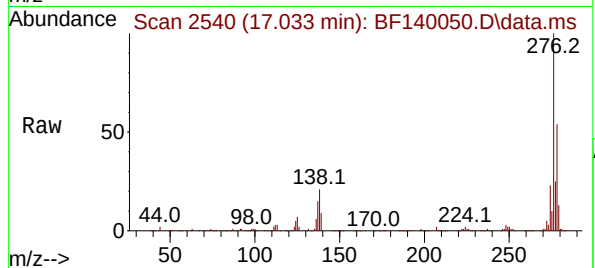
#87  
Indeno(1,2,3-cd)pyrene  
Concen: 40.509 ng  
RT: 17.033 min Scan# 2540  
Delta R.T. 0.012 min  
Lab File: BF140050.D  
Acq: 26 Oct 2024 10:38

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

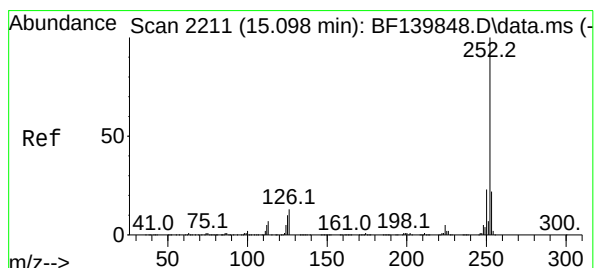
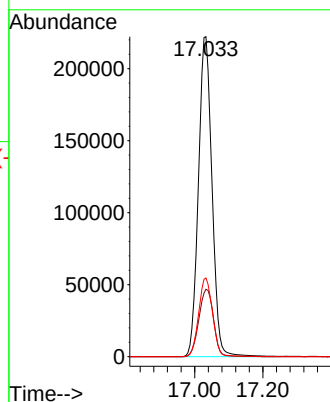
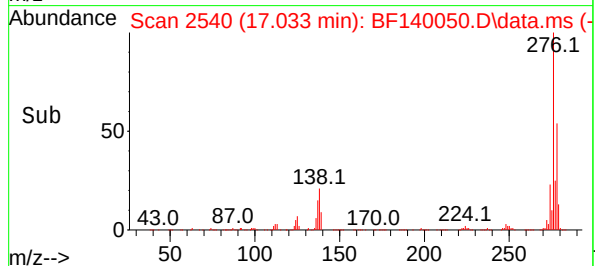


Tgt Ion:276 Resp: 614709  
Ion Ratio Lower Upper  
276 100  
138 22.7 20.4 30.6  
277 25.2 20.2 30.4

Manual Integrations

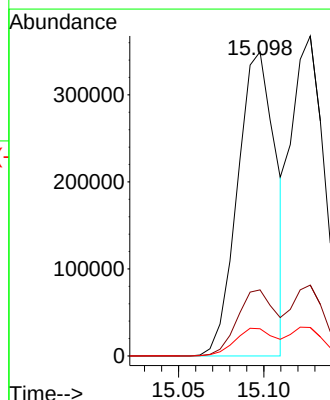
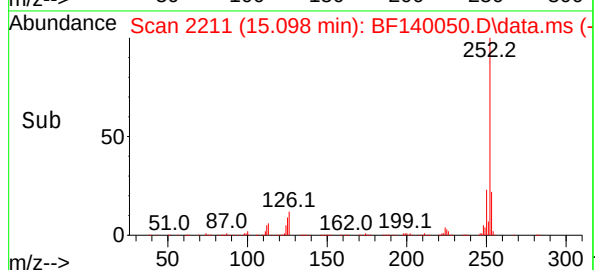
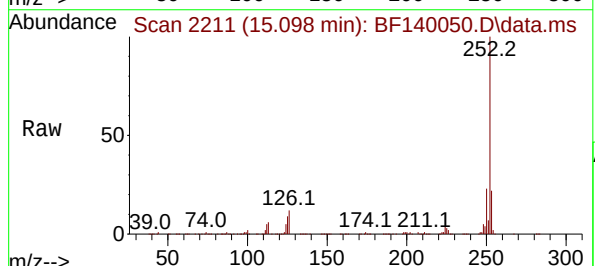
APPROVED

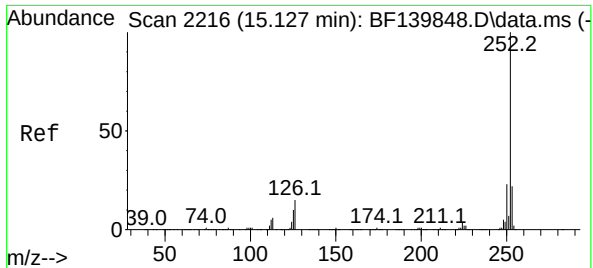
Reviewed By :Yogesh Patel 10/29/2024  
Supervised By :mohammad ahmed 10/29/2024



#88  
Benzo(b)fluoranthene  
Concen: 37.874 ng  
RT: 15.098 min Scan# 2211  
Delta R.T. 0.000 min  
Lab File: BF140050.D  
Acq: 26 Oct 2024 10:38

Tgt Ion:252 Resp: 544199  
Ion Ratio Lower Upper  
252 100  
253 21.7 17.6 26.4  
125 8.9 7.9 11.9





#89

Benzo(k)fluoranthene

Concen: 40.470 ng

RT: 15.127 min Scan# 2216

Delta R.T. 0.000 min

Lab File: BF140050.D

Acq: 26 Oct 2024 10:38

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

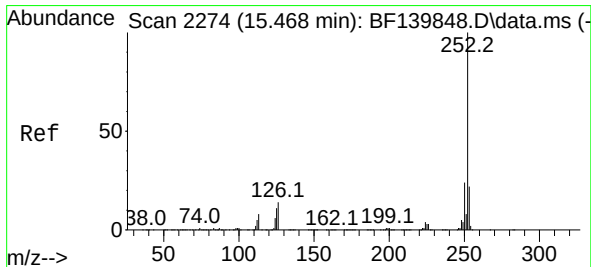
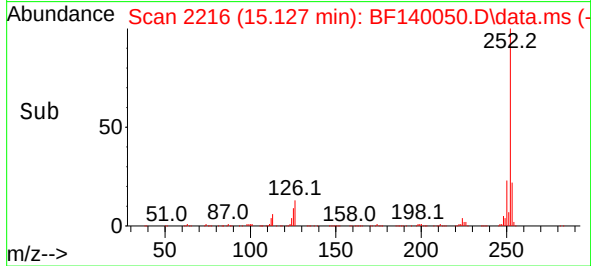
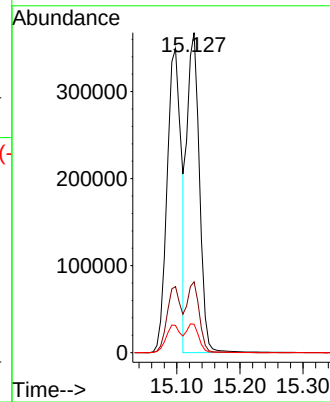
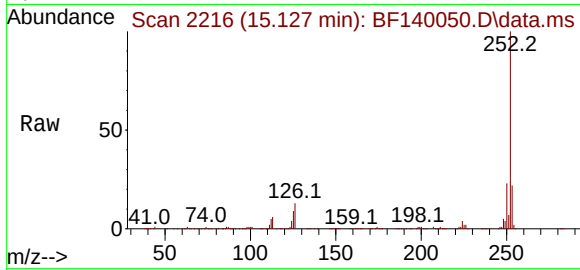
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 50149 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 22.2  | 17.6  | 26.4  |
| 125       | 8.9   | 7.9   | 11.9  |

## Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/29/2024

Supervised By :mohammad ahmed 10/29/2024



#90

Benzo(a)pyrene

Concen: 40.409 ng

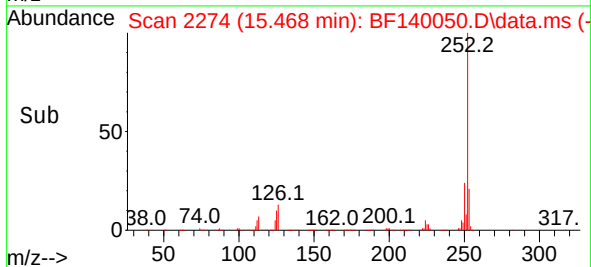
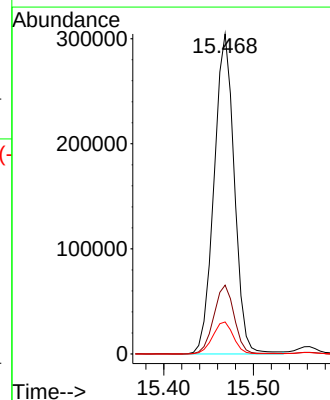
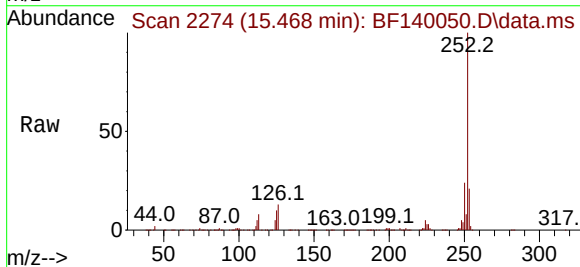
RT: 15.468 min Scan# 2274

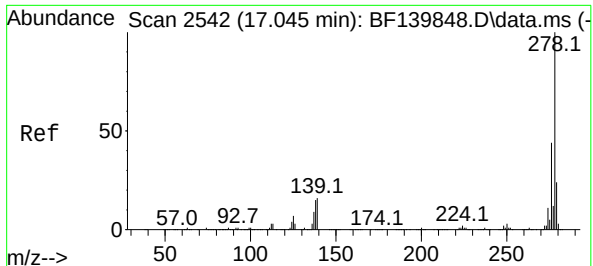
Delta R.T. 0.000 min

Lab File: BF140050.D

Acq: 26 Oct 2024 10:38

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 252   | Resp: | 477754 |
| Ion Ratio | Lower | Upper |        |
| 252       | 100   |       |        |
| 253       | 21.5  | 17.3  | 25.9   |
| 125       | 10.0  | 8.7   | 13.1   |





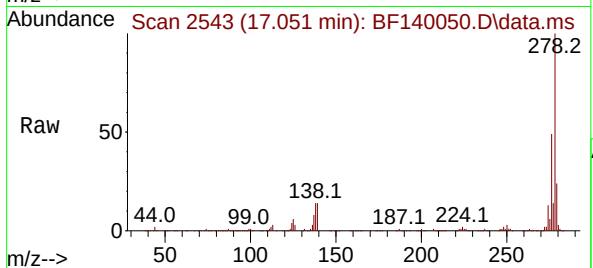
#91  
Dibenzo(a,h)anthracene  
Concen: 39.886 ng  
RT: 17.051 min Scan# 2543  
Delta R.T. 0.006 min  
Lab File: BF140050.D  
Acq: 26 Oct 2024 10:38

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

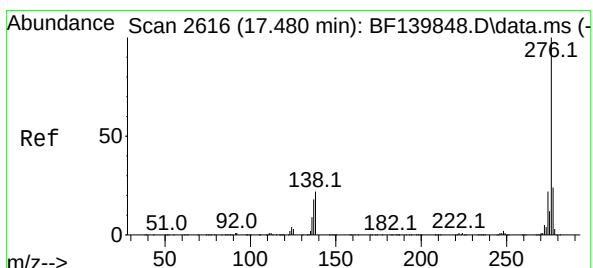
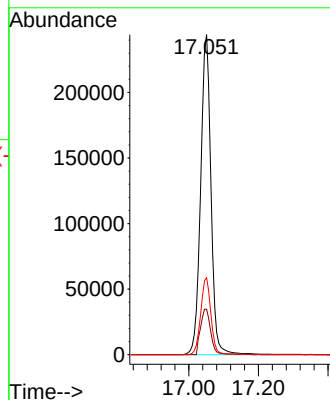
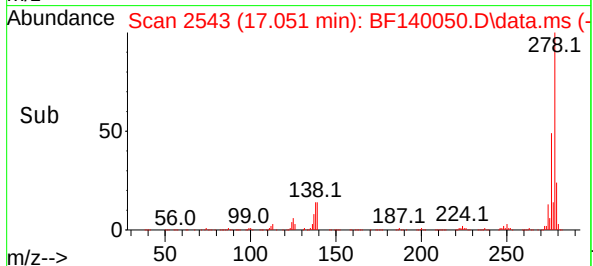


Tgt Ion:278 Resp: 504913  
Ion Ratio Lower Upper  
278 100  
139 14.2 13.1 19.7  
279 24.0 19.0 28.4

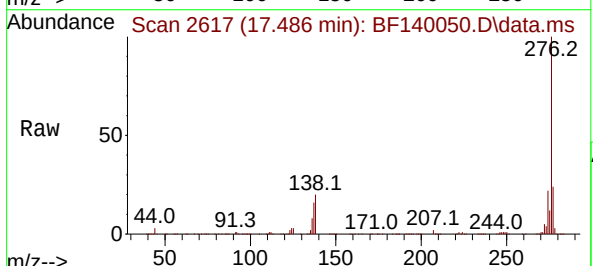
Manual Integrations

APPROVED

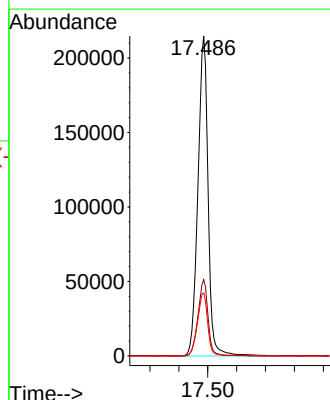
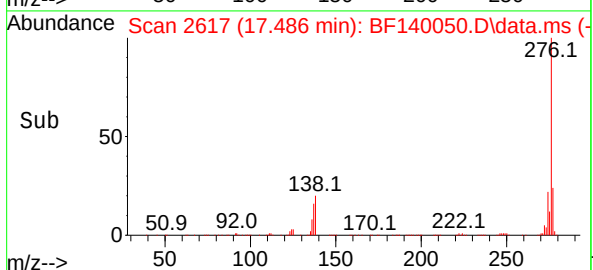
Reviewed By :Yogesh Patel 10/29/2024  
Supervised By :mohammad ahmed 10/29/2024



#92  
Benzo(g,h,i)perylene  
Concen: 41.435 ng  
RT: 17.486 min Scan# 2617  
Delta R.T. 0.006 min  
Lab File: BF140050.D  
Acq: 26 Oct 2024 10:38



Tgt Ion:276 Resp: 523930  
Ion Ratio Lower Upper  
276 100  
277 23.8 19.0 28.6  
138 19.7 17.4 26.0



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102624\  
 Data File : BF140050.D  
 Acq On : 26 Oct 2024 10:38  
 Operator : RC/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Oct 28 01:04:37 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101824.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Oct 18 15:07:50 2024  
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 25% Max. Rel. Area : 150%

|      | Compound                    | AvgRF | CCRF  | %Dev  | Area% | Dev(min) |
|------|-----------------------------|-------|-------|-------|-------|----------|
| 1 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0   | 71    | 0.00     |
| 2    | 1,4-Dioxane                 | 0.596 | 0.584 | 2.0   | 70    | -0.02    |
| 3    | Pyridine                    | 1.476 | 1.426 | 3.4   | 67    | -0.01    |
| 4    | n-Nitrosodimethylamine      | 0.793 | 0.741 | 6.6   | 65    | -0.01    |
| 5 S  | 2-Fluorophenol              | 1.278 | 1.220 | 4.5   | 68    | 0.00     |
| 6    | Aniline                     | 1.542 | 1.432 | 7.1   | 64    | 0.00     |
| 7 S  | Phenol-d6                   | 1.655 | 1.531 | 7.5   | 66    | 0.00     |
| 8    | 2-Chlorophenol              | 1.306 | 1.244 | 4.7   | 67    | 0.00     |
| 9    | Benzaldehyde                | 0.931 | 0.910 | 2.3   | 69    | 0.00     |
| 10 C | Phenol                      | 1.706 | 1.580 | 7.4   | 65    | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.319 | 1.223 | 7.3   | 67    | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.499 | 1.477 | 1.5   | 70    | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.498 | 1.482 | 1.1   | 71    | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.398 | 1.369 | 2.1   | 70    | 0.00     |
| 15   | Benzyl Alcohol              | 1.214 | 1.129 | 7.0   | 66    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 2.248 | 1.910 | 15.0  | 60    | 0.00     |
| 17   | 2-Methylphenol              | 1.114 | 1.029 | 7.6   | 65    | 0.00     |
| 18   | Hexachloroethane            | 0.534 | 0.520 | 2.6   | 68    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 1.004 | 0.873 | 13.0  | 63    | 0.00     |
| 20   | 3+4-Methylphenols           | 1.424 | 1.308 | 8.1   | 65    | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0   | 68    | 0.00     |
| 22   | Acetophenone                | 0.490 | 0.475 | 3.1   | 67    | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.361 | 0.380 | -5.3  | 69    | 0.00     |
| 24   | Nitrobenzene                | 0.396 | 0.399 | -0.8  | 67    | 0.00     |
| 25   | Isophorone                  | 0.685 | 0.645 | 5.8   | 64    | 0.00     |
| 26 C | 2-Nitrophenol               | 0.149 | 0.164 | -10.1 | 70    | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.249 | 0.232 | 6.8   | 63    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.415 | 0.393 | 5.3   | 65    | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.283 | 0.279 | 1.4   | 67    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.314 | 0.319 | -1.6  | 68    | 0.00     |
| 31   | Naphthalene                 | 1.031 | 1.028 | 0.3   | 68    | 0.00     |
| 32   | Benzoic acid                | 0.217 | 0.211 | 2.8   | 65    | 0.00     |
| 33   | 4-Chloroaniline             | 0.352 | 0.343 | 2.6   | 66    | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.197 | 0.204 | -3.6  | 70    | 0.00     |
| 35   | Caprolactam                 | 0.090 | 0.088 | 2.2   | 65    | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 0.314 | 0.307 | 2.2   | 66    | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.632 | 0.618 | 2.2   | 67    | 0.00     |
| 38   | 1-Methylnaphthalene         | 0.620 | 0.605 | 2.4   | 67    | 0.00     |
| 39 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0   | 66    | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 0.540 | 0.555 | -2.8  | 69    | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 0.188 | 0.191 | -1.6  | 64    | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 0.187 | 0.204 | -9.1  | 72    | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 0.382 | 0.374 | 2.1   | 64    | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 0.394 | 0.414 | -5.1  | 69    | 0.00     |
| 45 S | 2-Fluorobiphenyl            | 1.210 | 1.211 | -0.1  | 69    | 0.00     |
| 46   | 1,1'-Biphenyl               | 1.392 | 1.391 | 0.1   | 67    | 0.00     |
| 47   | 2-Chloronaphthalene         | 1.121 | 1.129 | -0.7  | 68    | 0.00     |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102624\  
 Data File : BF140050.D  
 Acq On : 26 Oct 2024 10:38  
 Operator : RC/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Oct 28 01:04:37 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101824.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Oct 18 15:07:50 2024  
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 25% Max. Rel. Area : 150%

|      | Compound                   | AvgRF | CCRF  | %Dev   | Area% | Dev(min) |
|------|----------------------------|-------|-------|--------|-------|----------|
| 48   | 2-Nitroaniline             | 0.343 | 0.375 | -9.3   | 68    | 0.00     |
| 49   | Acenaphthylene             | 1.621 | 1.628 | -0.4   | 67    | 0.00     |
| 50   | Dimethylphthalate          | 1.246 | 1.229 | 1.4    | 66    | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 0.270 | 0.290 | -7.4   | 69    | 0.00     |
| 52 C | Acenaphthene               | 1.049 | 1.058 | -0.9   | 67    | 0.00     |
| 53   | 3-Nitroaniline             | 0.278 | 0.298 | -7.2   | 68    | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 0.093 | 0.126 | -35.5# | 83    | 0.00     |
| 55   | Dibenzofuran               | 1.505 | 1.491 | 0.9    | 67    | 0.00     |
| 56 P | 4-Nitrophenol              | 0.214 | 0.229 | -7.0   | 66    | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 0.332 | 0.383 | -15.4  | 72    | 0.00     |
| 58   | Fluorene                   | 1.146 | 1.149 | -0.3   | 69    | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 0.309 | 0.315 | -1.9   | 68    | 0.00     |
| 60   | Diethylphthalate           | 1.223 | 1.181 | 3.4    | 65    | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 0.579 | 0.581 | -0.3   | 68    | 0.00     |
| 62   | 4-Nitroaniline             | 0.263 | 0.289 | -9.9   | 70    | 0.00     |
| 63   | Azobenzene                 | 1.297 | 1.197 | 7.7    | 61    | 0.00     |
| 64 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0    | 68    | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 0.082 | 0.104 | -26.8# | 82    | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 0.599 | 0.572 | 4.5    | 65    | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 0.206 | 0.202 | 1.9    | 68    | 0.00     |
| 68   | Hexachlorobenzene          | 0.232 | 0.233 | -0.4   | 69    | 0.00     |
| 69   | Atrazine                   | 0.162 | 0.156 | 3.7    | 61    | 0.00     |
| 70 C | Pentachlorophenol          | 0.141 | 0.152 | -7.8   | 68    | 0.00     |
| 71   | Phenanthrene               | 0.945 | 0.913 | 3.4    | 67    | 0.00     |
| 72   | Anthracene                 | 0.922 | 0.901 | 2.3    | 67    | 0.00     |
| 73   | Carbazole                  | 0.857 | 0.832 | 2.9    | 67    | 0.00     |
| 74   | Di-n-butylphthalate        | 0.990 | 0.946 | 4.4    | 64    | 0.00     |
| 75 C | Fluoranthene               | 0.955 | 0.965 | -1.0   | 70    | 0.00     |
| 76 I | Chrysene-d12               | 1.000 | 1.000 | 0.0    | 70    | 0.00     |
| 77   | Benzydine                  | 0.329 | 0.451 | -37.1# | 86    | 0.00     |
| 78   | Pyrene                     | 1.751 | 1.811 | -3.4   | 70    | 0.00     |
| 79 S | Terphenyl-d14              | 1.227 | 1.258 | -2.5   | 71    | 0.00     |
| 80   | Butylbenzylphthalate       | 0.525 | 0.551 | -5.0   | 69    | 0.00     |
| 81   | Benzo(a)anthracene         | 1.302 | 1.311 | -0.7   | 69    | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 0.380 | 0.409 | -7.6   | 74    | 0.00     |
| 83   | Chrysene                   | 1.194 | 1.157 | 3.1    | 69    | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 0.589 | 0.606 | -2.9   | 68    | 0.00     |
| 85 c | Di-n-octyl phthalate       | 1.071 | 0.894 | 16.5   | 55    | 0.00     |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0    | 65    | 0.00     |
| 87   | Indeno(1,2,3-cd)pyrene     | 1.287 | 1.303 | -1.2   | 62    | 0.01     |
| 88   | Benzo(b)fluoranthene       | 1.218 | 1.154 | 5.3    | 62    | 0.00     |
| 89   | Benzo(k)fluoranthene       | 1.051 | 1.063 | -1.1   | 64    | 0.00     |
| 90 C | Benzo(a)pyrene             | 1.002 | 1.013 | -1.1   | 64    | 0.00     |
| 91   | Dibenzo(a,h)anthracene     | 1.073 | 1.070 | 0.3    | 62    | 0.00     |
| 92   | Benzo(g,h,i)perylene       | 1.072 | 1.111 | -3.6   | 64    | 0.00     |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102624\  
Data File : BF140050.D  
Acq On : 26 Oct 2024 10:38  
Operator : RC/JU  
Sample : SSTDCCC040  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_F  
LabSampleId :  
SSTDCCC040

Quant Time: Oct 28 01:04:37 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101824.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Oct 18 15:07:50 2024  
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
Max. RRF Dev : 25% Max. Rel. Area : 150%

| Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|----------|-------|------|------|-------|----------|
|----------|-------|------|------|-------|----------|

-----  
(#) = Out of Range                      SPCC's out = 0    CCC's out = 0



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102624\  
 Data File : BF140050.D  
 Acq On : 26 Oct 2024 10:38  
 Operator : RC/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Oct 28 01:04:37 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101824.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Oct 18 15:07:50 2024  
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 25% Max. Rel. Area : 150%

|      | Compound                    | Amount | Calc.  | %Dev  | Area% | Dev(min) |
|------|-----------------------------|--------|--------|-------|-------|----------|
| 1 I  | 1,4-Dichlorobenzene-d4      | 20.000 | 20.000 | 0.0   | 71    | 0.00     |
| 2    | 1,4-Dioxane                 | 40.000 | 39.204 | 2.0   | 70    | -0.02    |
| 3    | Pyridine                    | 40.000 | 38.628 | 3.4   | 67    | -0.01    |
| 4    | n-Nitrosodimethylamine      | 40.000 | 37.371 | 6.6   | 65    | -0.01    |
| 5 S  | 2-Fluorophenol              | 80.000 | 76.419 | 4.5   | 68    | 0.00     |
| 6    | Aniline                     | 40.000 | 37.144 | 7.1   | 64    | 0.00     |
| 7 S  | Phenol-d6                   | 80.000 | 74.043 | 7.4   | 66    | 0.00     |
| 8    | 2-Chlorophenol              | 40.000 | 38.107 | 4.7   | 67    | 0.00     |
| 9    | Benzaldehyde                | 40.000 | 39.089 | 2.3   | 69    | 0.00     |
| 10 C | Phenol                      | 40.000 | 37.053 | 7.4   | 65    | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 40.000 | 37.093 | 7.3   | 67    | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 40.000 | 39.403 | 1.5   | 70    | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 40.000 | 39.575 | 1.1   | 71    | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 40.000 | 39.166 | 2.1   | 70    | 0.00     |
| 15   | Benzyl Alcohol              | 40.000 | 37.193 | 7.0   | 66    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 40.000 | 33.991 | 15.0  | 60    | 0.00     |
| 17   | 2-Methylphenol              | 40.000 | 36.976 | 7.6   | 65    | 0.00     |
| 18   | Hexachloroethane            | 40.000 | 38.915 | 2.7   | 68    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 40.000 | 34.813 | 13.0  | 63    | 0.00     |
| 20   | 3+4-Methylphenols           | 40.000 | 36.741 | 8.1   | 65    | 0.00     |
| 21 I | Naphthalene-d8              | 20.000 | 20.000 | 0.0   | 68    | 0.00     |
| 22   | Acetophenone                | 40.000 | 38.819 | 3.0   | 67    | 0.00     |
| 23 S | Nitrobenzene-d5             | 80.000 | 84.348 | -5.4  | 69    | 0.00     |
| 24   | Nitrobenzene                | 40.000 | 40.387 | -1.0  | 67    | 0.00     |
| 25   | Isophorone                  | 40.000 | 37.663 | 5.8   | 64    | 0.00     |
| 26 C | 2-Nitrophenol               | 40.000 | 44.001 | -10.0 | 70    | 0.00     |
| 27   | 2,4-Dimethylphenol          | 40.000 | 37.214 | 7.0   | 63    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 40.000 | 37.905 | 5.2   | 65    | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 40.000 | 39.370 | 1.6   | 67    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 40.000 | 40.725 | -1.8  | 68    | 0.00     |
| 31   | Naphthalene                 | 40.000 | 39.859 | 0.4   | 68    | 0.00     |
| 32   | Benzoic acid                | 40.000 | 38.864 | 2.8   | 65    | 0.00     |
| 33   | 4-Chloroaniline             | 40.000 | 39.027 | 2.4   | 66    | 0.00     |
| 34 C | Hexachlorobutadiene         | 40.000 | 41.486 | -3.7  | 70    | 0.00     |
| 35   | Caprolactam                 | 40.000 | 39.090 | 2.3   | 65    | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 40.000 | 39.183 | 2.0   | 66    | 0.00     |
| 37   | 2-Methylnaphthalene         | 40.000 | 39.160 | 2.1   | 67    | 0.00     |
| 38   | 1-Methylnaphthalene         | 40.000 | 39.059 | 2.4   | 67    | 0.00     |
| 39 I | Acenaphthene-d10            | 20.000 | 20.000 | 0.0   | 66    | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 40.000 | 41.156 | -2.9  | 69    | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 40.000 | 40.599 | -1.5  | 64    | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 80.000 | 87.205 | -9.0  | 72    | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 40.000 | 39.204 | 2.0   | 64    | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 40.000 | 42.019 | -5.0  | 69    | 0.00     |
| 45 S | 2-Fluorobiphenyl            | 80.000 | 80.059 | -0.1  | 69    | 0.00     |
| 46   | 1,1'-Biphenyl               | 40.000 | 39.976 | 0.1   | 67    | 0.00     |
| 47   | 2-Chloronaphthalene         | 40.000 | 40.256 | -0.6  | 68    | 0.00     |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102624\  
 Data File : BF140050.D  
 Acq On : 26 Oct 2024 10:38  
 Operator : RC/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Oct 28 01:04:37 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101824.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Oct 18 15:07:50 2024  
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 25% Max. Rel. Area : 150%

|      | Compound                   | Amount | Calc.  | %Dev   | Area% | Dev(min) |
|------|----------------------------|--------|--------|--------|-------|----------|
| 48   | 2-Nitroaniline             | 40.000 | 43.726 | -9.3   | 68    | 0.00     |
| 49   | Acenaphthylene             | 40.000 | 40.178 | -0.4   | 67    | 0.00     |
| 50   | Dimethylphthalate          | 40.000 | 39.467 | 1.3    | 66    | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 40.000 | 43.043 | -7.6   | 69    | 0.00     |
| 52 C | Acenaphthene               | 40.000 | 40.337 | -0.8   | 67    | 0.00     |
| 53   | 3-Nitroaniline             | 40.000 | 42.788 | -7.0   | 68    | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 40.000 | 47.791 | -19.5  | 83    | 0.00     |
| 55   | Dibenzofuran               | 40.000 | 39.650 | 0.9    | 67    | 0.00     |
| 56 P | 4-Nitrophenol              | 40.000 | 42.861 | -7.2   | 66    | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 40.000 | 46.215 | -15.5  | 72    | 0.00     |
| 58   | Fluorene                   | 40.000 | 40.101 | -0.3   | 69    | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 40.748 | -1.9   | 68    | 0.00     |
| 60   | Diethylphthalate           | 40.000 | 38.622 | 3.4    | 65    | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 40.000 | 40.136 | -0.3   | 68    | 0.00     |
| 62   | 4-Nitroaniline             | 40.000 | 44.006 | -10.0  | 70    | 0.00     |
| 63   | Azobenzene                 | 40.000 | 36.919 | 7.7    | 61    | 0.00     |
| 64 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0    | 68    | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 40.000 | 51.213 | -28.0# | 82    | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 40.000 | 38.193 | 4.5    | 65    | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 40.000 | 39.222 | 1.9    | 68    | 0.00     |
| 68   | Hexachlorobenzene          | 40.000 | 40.149 | -0.4   | 69    | 0.00     |
| 69   | Atrazine                   | 40.000 | 38.590 | 3.5    | 61    | 0.00     |
| 70 C | Pentachlorophenol          | 40.000 | 43.242 | -8.1   | 68    | 0.00     |
| 71   | Phenanthrene               | 40.000 | 38.651 | 3.4    | 67    | 0.00     |
| 72   | Anthracene                 | 40.000 | 39.105 | 2.2    | 67    | 0.00     |
| 73   | Carbazole                  | 40.000 | 38.824 | 2.9    | 67    | 0.00     |
| 74   | Di-n-butylphthalate        | 40.000 | 38.208 | 4.5    | 64    | 0.00     |
| 75 C | Fluoranthene               | 40.000 | 40.418 | -1.0   | 70    | 0.00     |
| 76 I | Chrysene-d12               | 20.000 | 20.000 | 0.0    | 70    | 0.00     |
| 77   | Benzydine                  | 40.000 | 54.904 | -37.3# | 86    | 0.00     |
| 78   | Pyrene                     | 40.000 | 41.378 | -3.4   | 70    | 0.00     |
| 79 S | Terphenyl-d14              | 80.000 | 81.965 | -2.5   | 71    | 0.00     |
| 80   | Butylbenzylphthalate       | 40.000 | 41.996 | -5.0   | 69    | 0.00     |
| 81   | Benzo(a)anthracene         | 40.000 | 40.293 | -0.7   | 69    | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 40.000 | 43.096 | -7.7   | 74    | 0.00     |
| 83   | Chrysene                   | 40.000 | 38.784 | 3.0    | 69    | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 40.000 | 41.182 | -3.0   | 68    | 0.00     |
| 85 c | Di-n-octyl phthalate       | 40.000 | 33.379 | 16.6   | 55    | 0.00     |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0    | 65    | 0.00     |
| 87   | Indeno(1,2,3-cd)pyrene     | 40.000 | 40.509 | -1.3   | 62    | 0.01     |
| 88   | Benzo(b)fluoranthene       | 40.000 | 37.874 | 5.3    | 62    | 0.00     |
| 89   | Benzo(k)fluoranthene       | 40.000 | 40.470 | -1.2   | 64    | 0.00     |
| 90 C | Benzo(a)pyrene             | 40.000 | 40.409 | -1.0   | 64    | 0.00     |
| 91   | Dibenzo(a,h)anthracene     | 40.000 | 39.886 | 0.3    | 62    | 0.00     |
| 92   | Benzo(g,h,i)perylene       | 40.000 | 41.435 | -3.6   | 64    | 0.00     |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102624\  
Data File : BF140050.D  
Acq On : 26 Oct 2024 10:38  
Operator : RC/JU  
Sample : SSTDCCC040  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_F  
LabSampleId :  
SSTDCCC040

Quant Time: Oct 28 01:04:37 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101824.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Oct 18 15:07:50 2024  
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
Max. RRF Dev : 25% Max. Rel. Area : 150%

| Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|----------|--------|-------|------|-------|----------|
|----------|--------|-------|------|-------|----------|

-----  
(#) = Out of Range                      SPCC's out = 0    CCC's out = 0



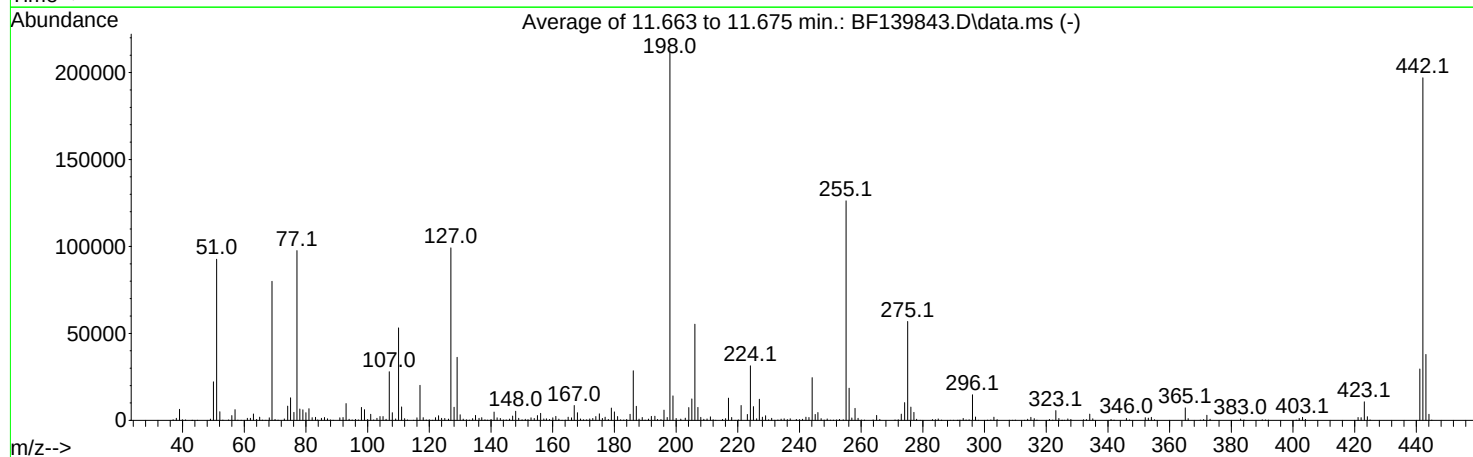
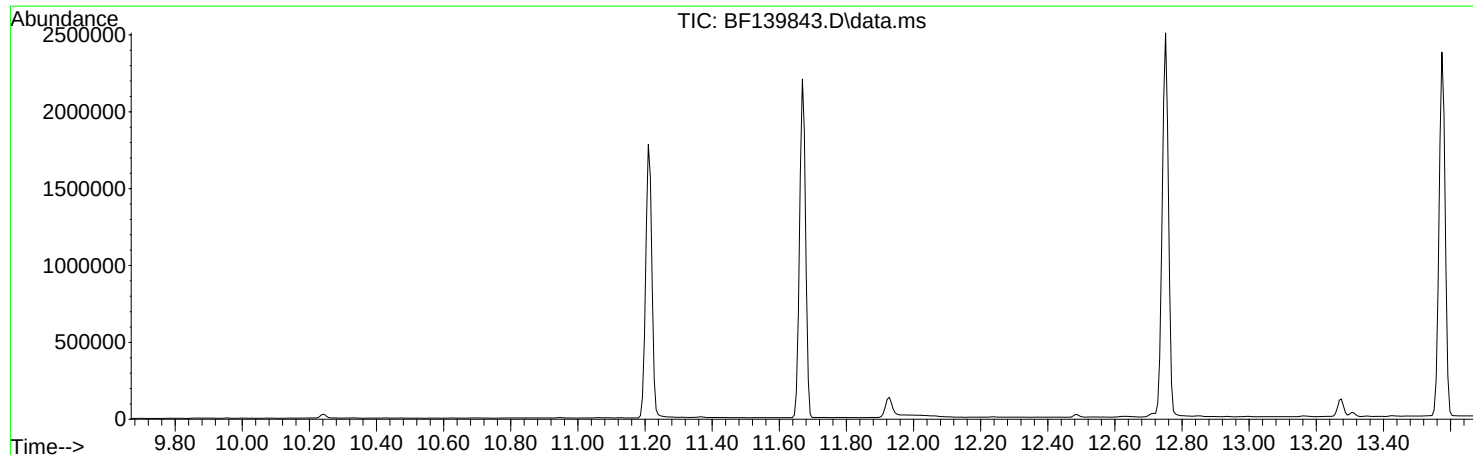
# QC SAMPLE DATA

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF101824\  
Data File : BF139843.D  
Acq On : 18 Oct 2024 09:22  
Operator : RC/JU  
Sample : DFTPP  
Misc :  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101824.M  
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
Last Update : Fri Oct 18 15:07:50 2024



AutoFind: Scans 1627, 1628, 1629; Background Corrected with Scan 1621

| Target<br>Mass | Rel. to<br>Mass | Lower<br>Limit% | Upper<br>Limit% | Rel.<br>Abn% | Raw<br>Abn | Result<br>Pass/Fail |
|----------------|-----------------|-----------------|-----------------|--------------|------------|---------------------|
| 51             | 198             | 10              | 80              | 43.8         | 92701      | PASS                |
| 68             | 69              | 0.00            | 2               | 1.9          | 1486       | PASS                |
| 69             | 198             | 0.00            | 100             | 37.8         | 79959      | PASS                |
| 70             | 69              | 0.00            | 2               | 0.7          | 529        | PASS                |
| 127            | 198             | 10              | 80              | 46.9         | 99176      | PASS                |
| 197            | 198             | 0.00            | 2               | 0.8          | 1650       | PASS                |
| 198            | 198             | 100             | 100             | 100.0        | 211520     | PASS                |
| 199            | 198             | 5               | 9               | 6.7          | 14078      | PASS                |
| 275            | 198             | 10              | 60              | 26.9         | 56867      | PASS                |
| 365            | 198             | 1               | 100             | 3.4          | 7148       | PASS                |
| 441            | 198             | 0.01            | 100             | 14.0         | 29512      | PASS                |
| 442            | 442             | 50              | 100             | 100.0        | 196979     | PASS                |
| 443            | 442             | 15              | 24              | 19.2         | 37896      | PASS                |

### DDT Breakdown

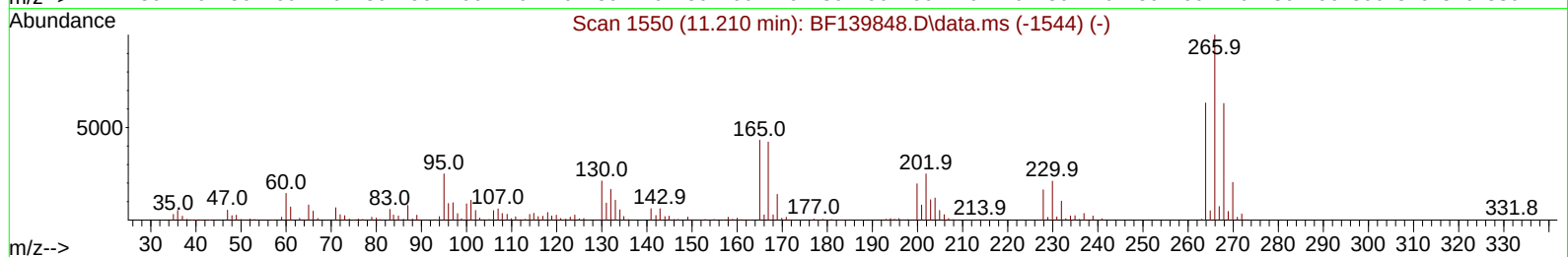
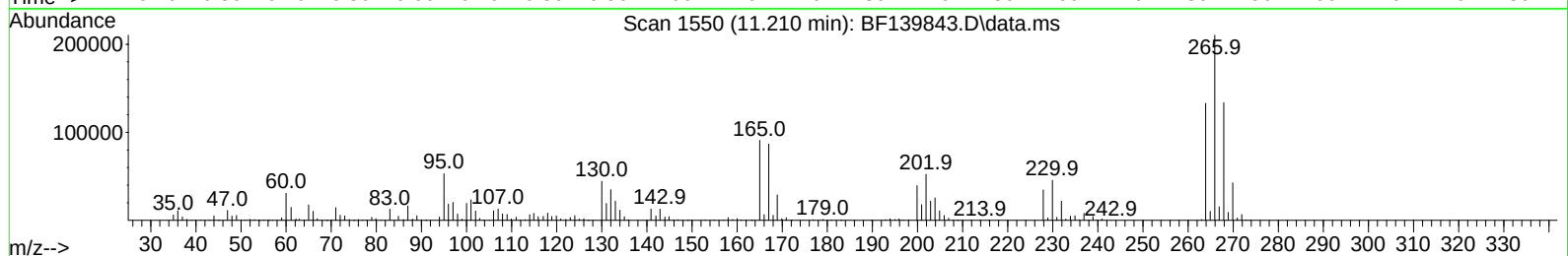
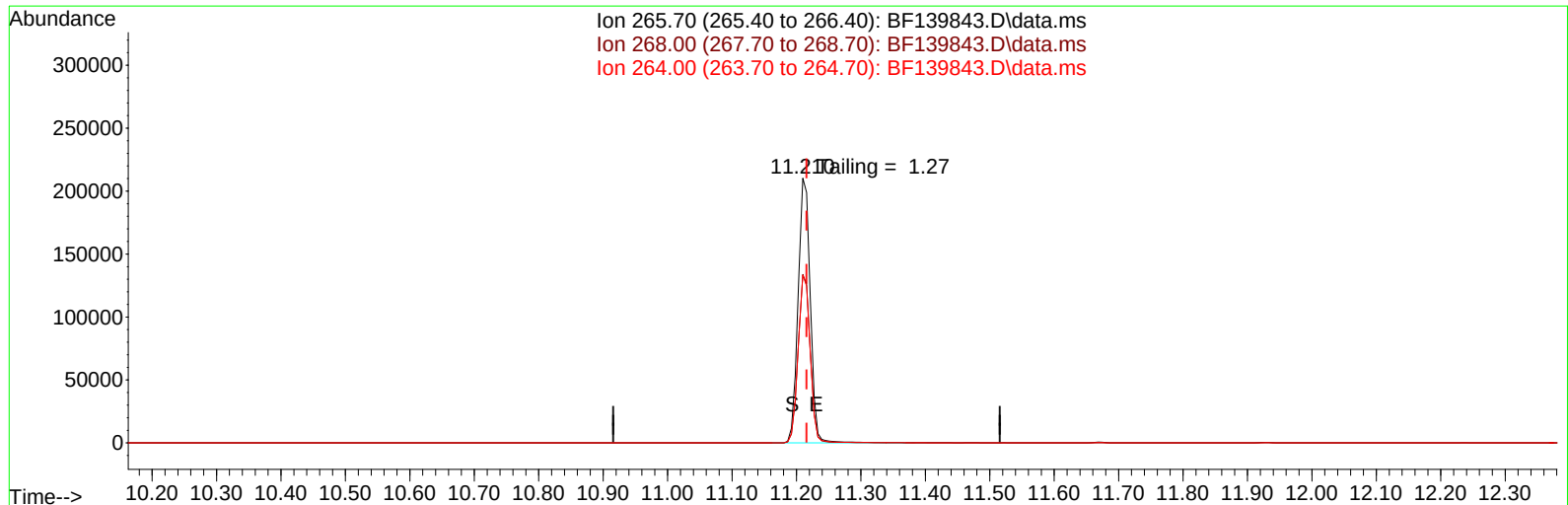
| Date          | Instrument Name  | DFTPP Data File    |
|---------------|------------------|--------------------|
| 10/18/2024    | BNA_F            | <u>BF139843.D</u>  |
|               |                  |                    |
|               |                  |                    |
| Compound Name | Response         | Retention Time     |
|               |                  |                    |
| DDT           | 585942           | 13.574             |
| DDD           | 33558            | 13.274             |
| DDE           | 421              | 12.939             |
|               |                  |                    |
|               |                  |                    |
| SUM(DDD+DDE)  | SUM(DDT+DDD+DDE) | % Breakdown Of DDT |
|               |                  |                    |
| 33979         | 619921           | 5.48               |
|               |                  |                    |

Instrument :  
BNA\_F  
ClientSampleId :  
DFTPP

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF101824\  
Data File : BF139843.D  
Acq On : 18 Oct 2024 09:22  
Operator : RC/JU  
Sample : DFTPP  
Misc :  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
DFTPP

Quant Time: Oct 18 11:03:23 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101824.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Oct 18 11:03:04 2024  
Response via : Initial Calibration



TIC: BF139843.D\data.ms

**(70) Pentachlorophenol (C)**

11.210min (-0.006) 60102.24 ng

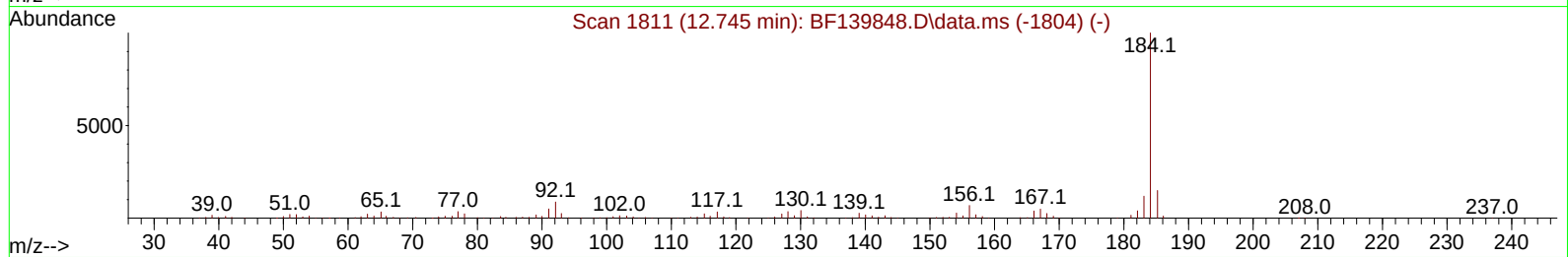
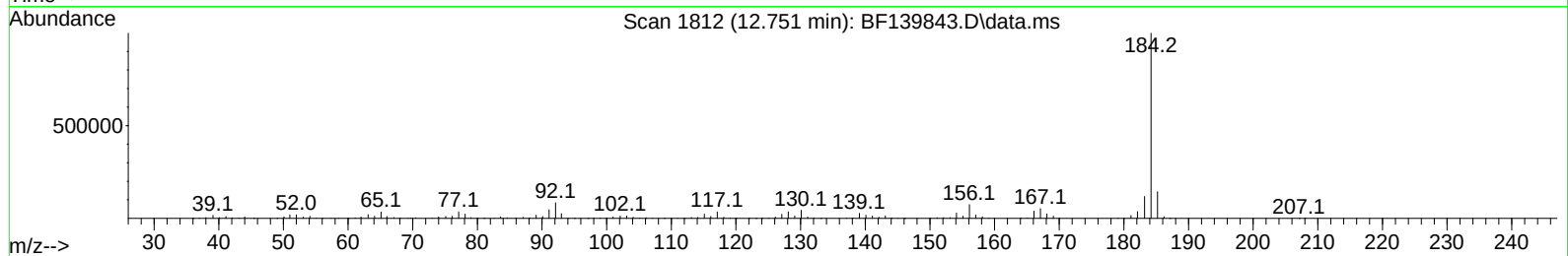
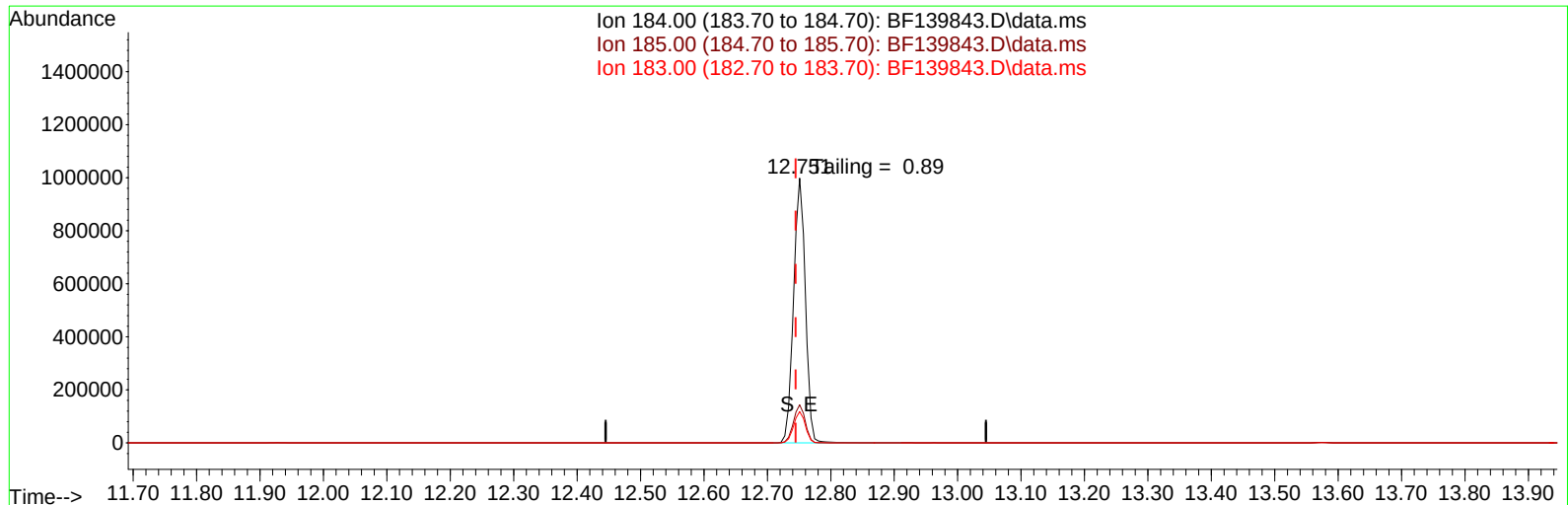
response 277191

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 265.70 | 100.00 | 100.00 |
| 268.00 | 63.00  | 63.60  |
| 264.00 | 62.50  | 63.30  |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF101824\  
Data File : BF139843.D  
Acq On : 18 Oct 2024 09:22  
Operator : RC/JU  
Sample : DFTPP  
Misc :  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
DFTPP

Quant Time: Oct 18 11:03:23 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101824.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Oct 18 11:03:04 2024  
Response via : Initial Calibration



TIC: BF139843.D\data.ms

**(77) Benzidine**

12.751min (+ 0.006) 86231.01 ng

response 1303015

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 184.00 | 100.00 | 100.00 |
| 185.00 | 14.40  | 14.39  |
| 183.00 | 11.70  | 11.82  |
| 0.00   | 0.00   | 0.00   |

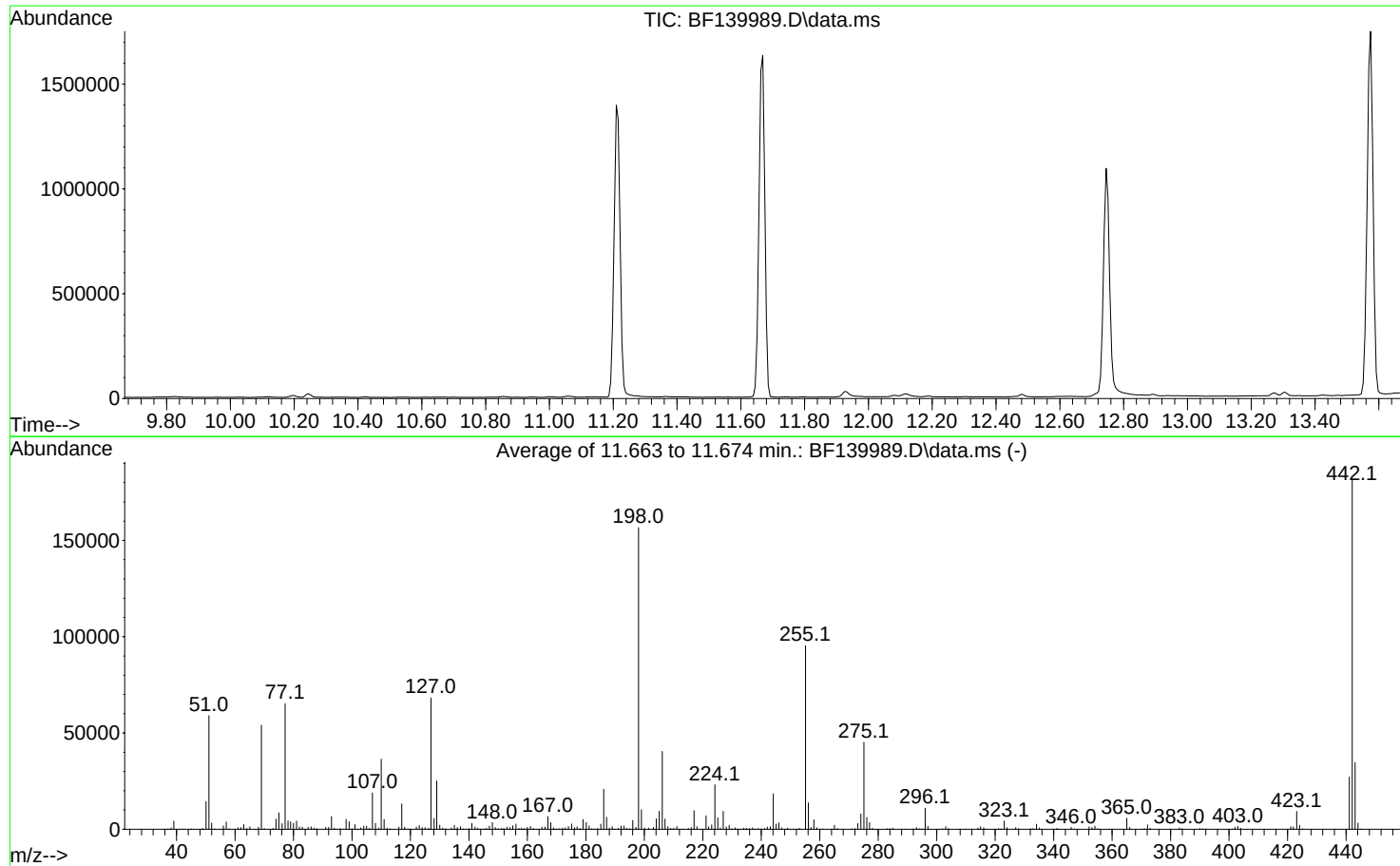


Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102424\  
Data File : BF139989.D  
Acq On : 24 Oct 2024 09:26  
Operator : RC/JU  
Sample : DFTPP  
Misc :  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101824.M  
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
Last Update : Fri Oct 18 15:07:50 2024



AutoFind: Scans 1627, 1628, 1629; Background Corrected with Scan 1620

| Target<br>Mass | Rel. to<br>Mass | Lower<br>Limit% | Upper<br>Limit% | Rel.<br>Abn% | Raw<br>Abn | Result<br>Pass/Fail |
|----------------|-----------------|-----------------|-----------------|--------------|------------|---------------------|
| 51             | 198             | 10              | 80              | 37.6         | 58978      | PASS                |
| 68             | 69              | 0.00            | 2               | 1.9          | 1013       | PASS                |
| 69             | 198             | 0.00            | 100             | 34.5         | 54048      | PASS                |
| 70             | 69              | 0.00            | 2               | 0.7          | 372        | PASS                |
| 127            | 198             | 10              | 80              | 43.5         | 68144      | PASS                |
| 197            | 198             | 0.00            | 2               | 0.7          | 1061       | PASS                |
| 198            | 198             | 100             | 100             | 100.0        | 156656     | PASS                |
| 199            | 198             | 5               | 9               | 6.5          | 10146      | PASS                |
| 275            | 198             | 10              | 60              | 28.9         | 45216      | PASS                |
| 365            | 198             | 1               | 100             | 3.7          | 5733       | PASS                |
| 441            | 198             | 0.01            | 100             | 17.3         | 27125      | PASS                |
| 442            | 442             | 50              | 100             | 100.0        | 181589     | PASS                |
| 443            | 442             | 15              | 24              | 19.1         | 34717      | PASS                |

### DDT Breakdown

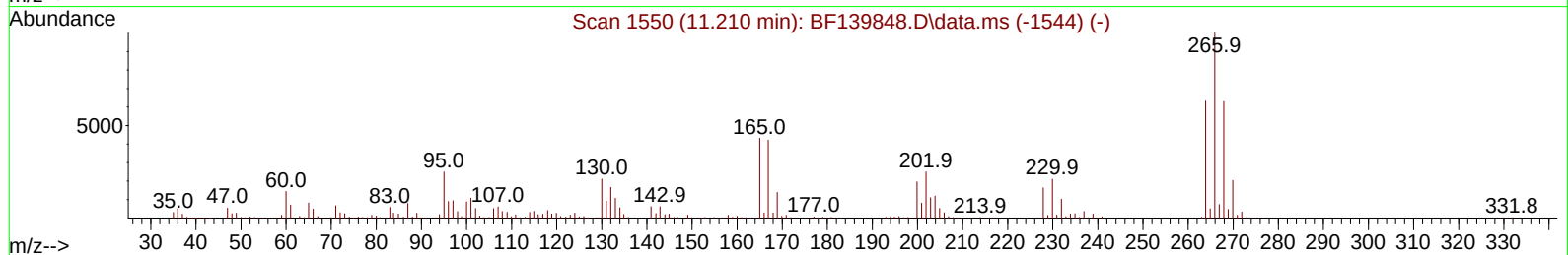
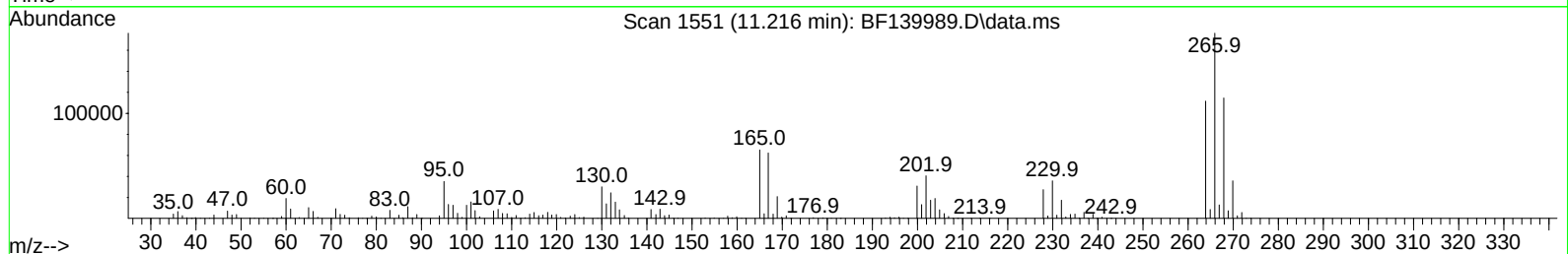
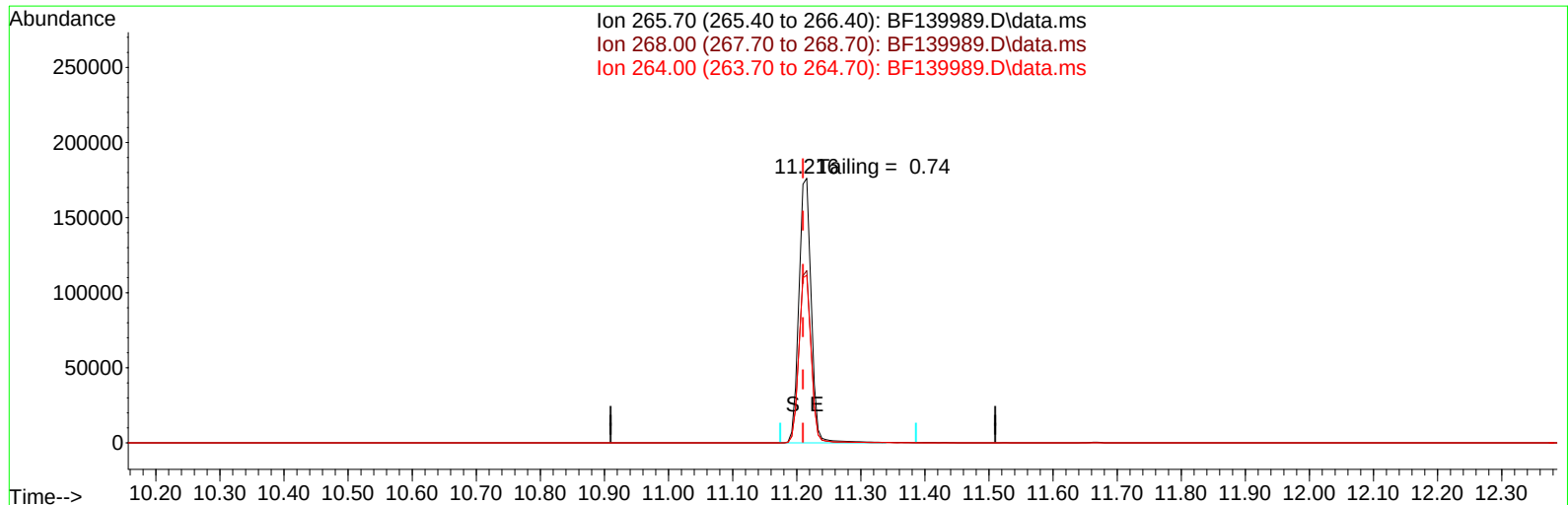
| Date          | Instrument Name  | DFTPP Data File    |
|---------------|------------------|--------------------|
| 10/24/2024    | BNA_F            | <u>BF139989.D</u>  |
|               |                  |                    |
|               |                  |                    |
| Compound Name | Response         | Retention Time     |
|               |                  |                    |
| DDT           | 459539           | 13.574             |
| DDD           | 8411             | 13.304             |
| DDE           | 2706             | 12.939             |
|               |                  |                    |
|               |                  |                    |
| SUM(DDD+DDE)  | SUM(DDT+DDD+DDE) | % Breakdown Of DDT |
|               |                  |                    |
| 11117         | 470656           | 2.36               |
|               |                  |                    |

Instrument :  
BNA\_F  
ClientSampleId :  
DFTPP

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102424\  
Data File : BF139989.D  
Acq On : 24 Oct 2024 09:26  
Operator : RC/JU  
Sample : DFTPP  
Misc :  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
DFTPP

Quant Time: Oct 24 15:15:07 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101824.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Oct 18 15:07:50 2024  
Response via : Initial Calibration



TIC: BF139989.D\data.ms

**(70) Pentachlorophenol (C)**

11.216min (+ 0.006) 53480.74 ng

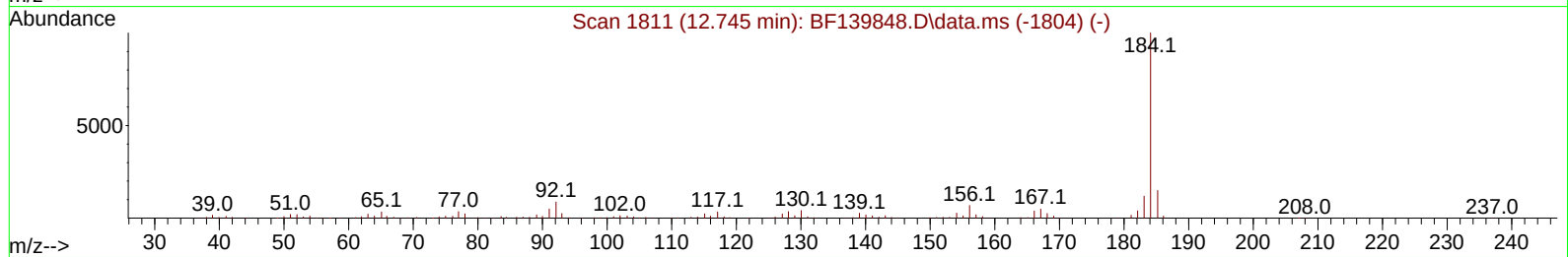
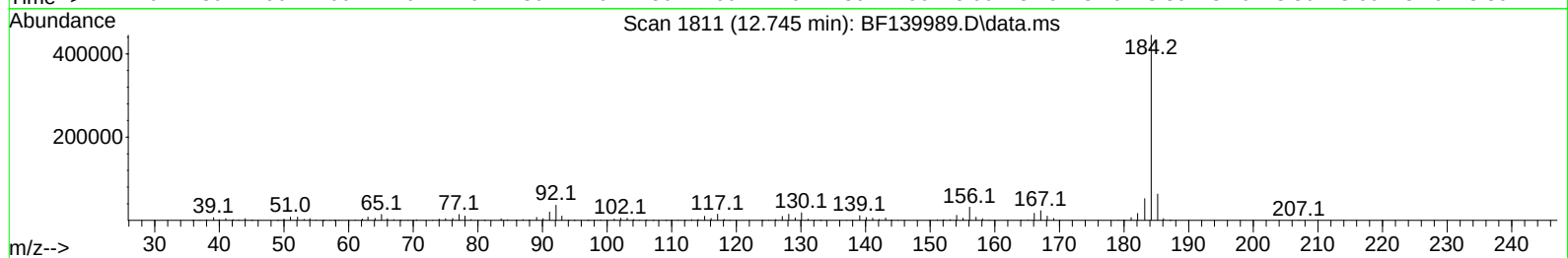
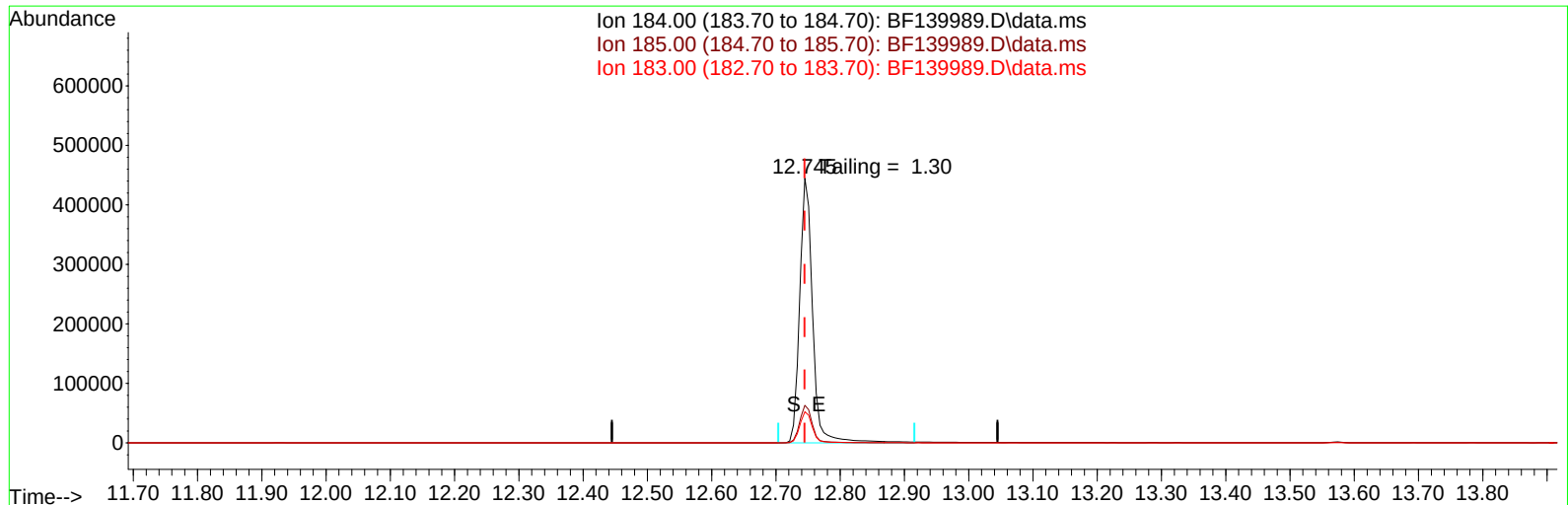
response 237671

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 265.70 | 100.00 | 100.00 |
| 268.00 | 63.00  | 65.03  |
| 264.00 | 63.20  | 63.34  |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102424\  
Data File : BF139989.D  
Acq On : 24 Oct 2024 09:26  
Operator : RC/JU  
Sample : DFTPP  
Misc :  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
DFTPP

Quant Time: Oct 24 15:15:07 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101824.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Oct 18 15:07:50 2024  
Response via : Initial Calibration



TIC: BF139989.D\data.ms

**(77) Benzidine**

12.745min (-0.000) 78892.96 ng

response 623986

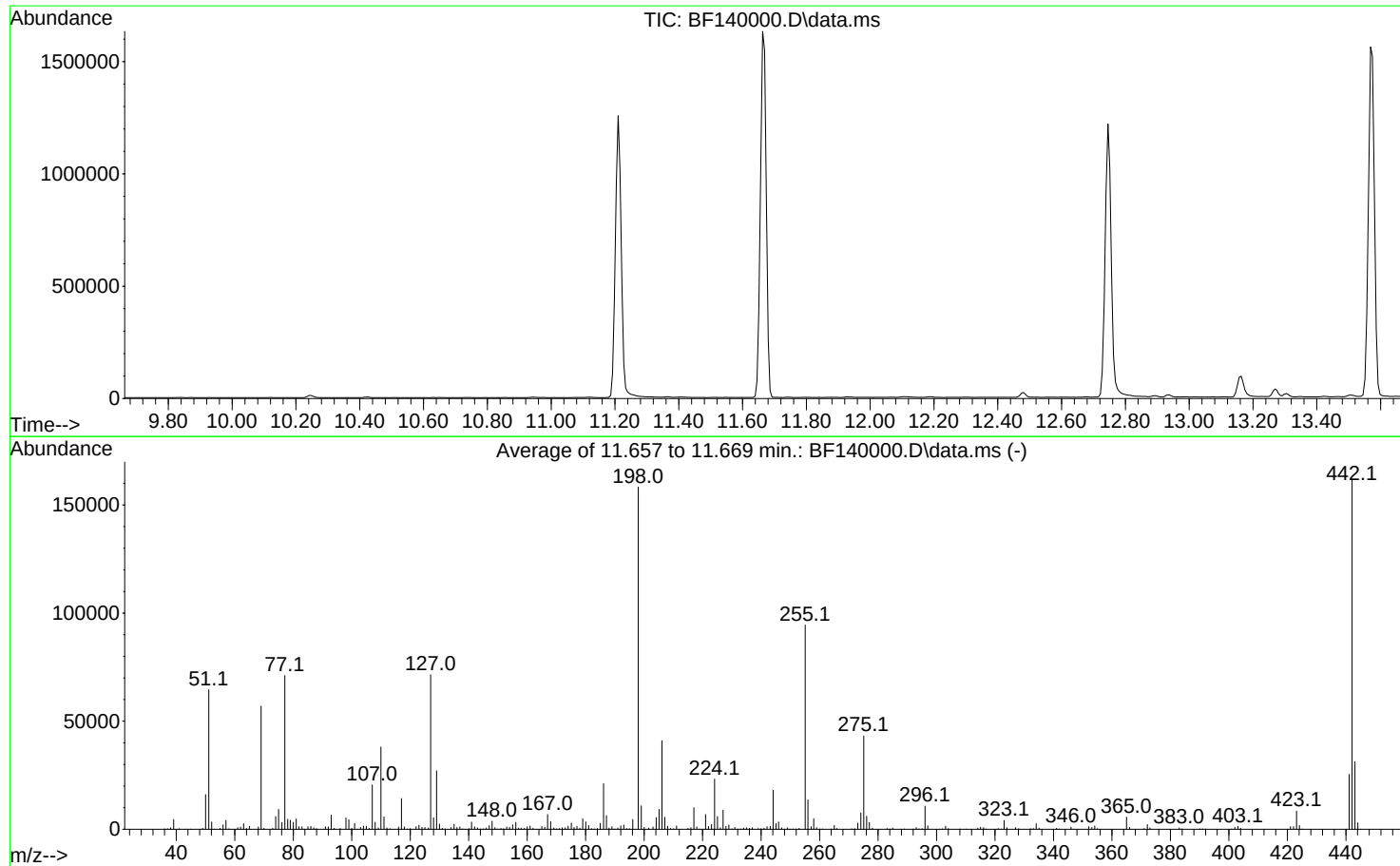
| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 184.00 | 100.00 | 100.00 |
| 185.00 | 15.00  | 14.22  |
| 183.00 | 11.80  | 11.75  |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102424\  
Data File : BF140000.D  
Acq On : 24 Oct 2024 14:47  
Operator : RC/JU  
Sample : DFTPP  
Misc :  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101824.M  
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
Last Update : Fri Oct 18 15:07:50 2024



AutoFind: Scans 1626, 1627, 1628; Background Corrected with Scan 1620

| Target<br>Mass | Rel. to<br>Mass | Lower<br>Limit% | Upper<br>Limit% | Rel.<br>Abn% | Raw<br>Abn | Result<br>Pass/Fail |
|----------------|-----------------|-----------------|-----------------|--------------|------------|---------------------|
| 51             | 198             | 10              | 80              | 40.8         | 64629      | PASS                |
| 68             | 69              | 0.00            | 2               | 1.9          | 1095       | PASS                |
| 69             | 198             | 0.00            | 100             | 36.0         | 57000      | PASS                |
| 70             | 69              | 0.00            | 2               | 0.7          | 403        | PASS                |
| 127            | 198             | 10              | 80              | 45.1         | 71469      | PASS                |
| 197            | 198             | 0.00            | 2               | 0.0          | 0          | PASS                |
| 198            | 198             | 100             | 100             | 100.0        | 158301     | PASS                |
| 199            | 198             | 5               | 9               | 6.8          | 10841      | PASS                |
| 275            | 198             | 10              | 60              | 27.3         | 43141      | PASS                |
| 365            | 198             | 1               | 100             | 3.6          | 5671       | PASS                |
| 441            | 198             | 0.01            | 100             | 16.0         | 25384      | PASS                |
| 442            | 442             | 50              | 100             | 100.0        | 161765     | PASS                |
| 443            | 442             | 15              | 24              | 19.3         | 31248      | PASS                |

# DDT Breakdown

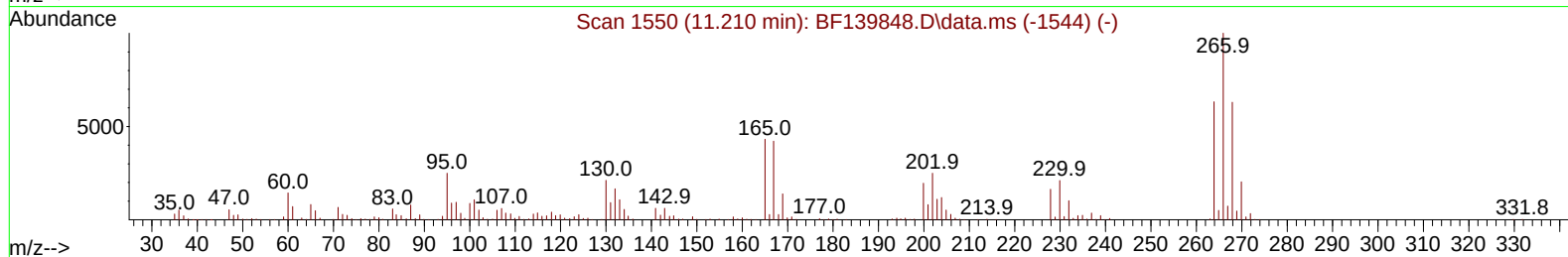
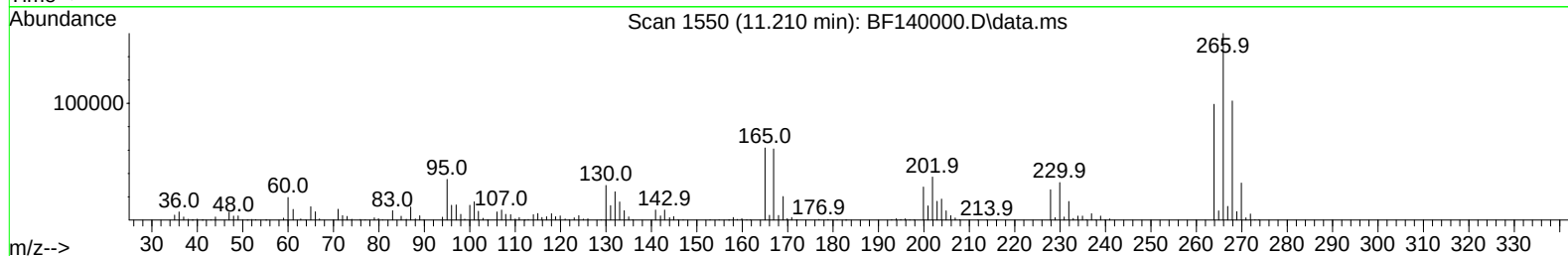
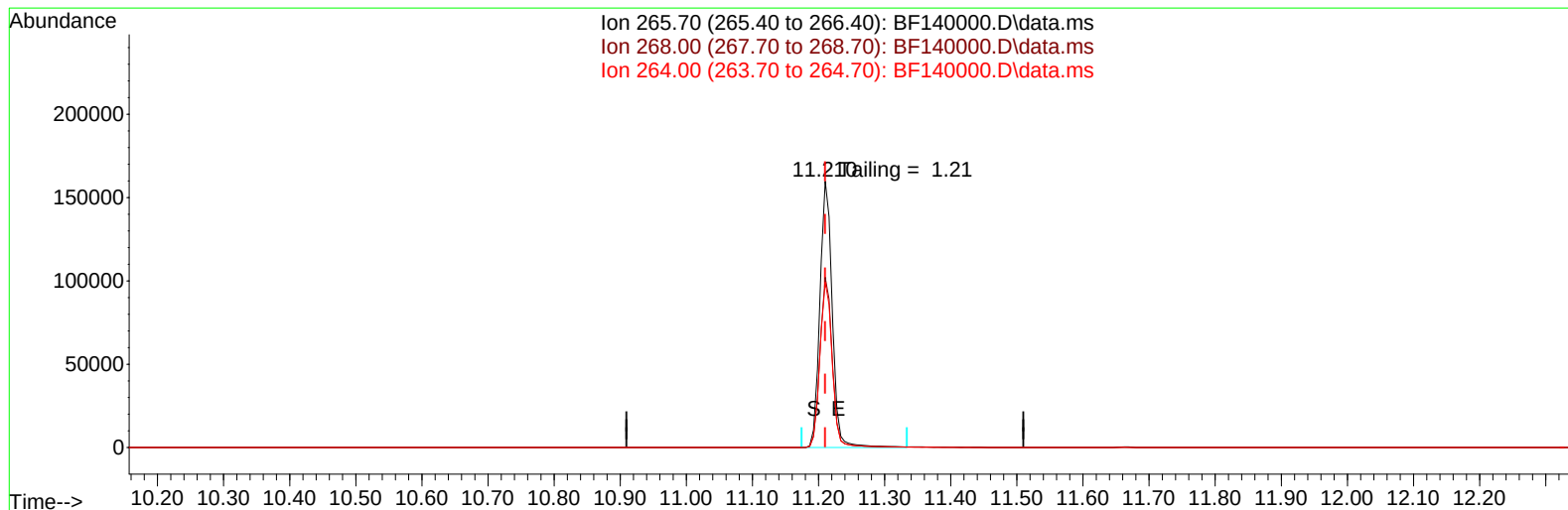
| Date          | Instrument Name  | DFTPP Data File    |
|---------------|------------------|--------------------|
| 10/24/2024    | BNA_F            | <u>BF140000.D</u>  |
|               |                  |                    |
|               |                  |                    |
| Compound Name | Response         | Retention Time     |
|               |                  |                    |
| DDT           | 418161           | 13.575             |
| DDD           | 12931            | 13.269             |
| DDE           | 2295             | 12.933             |
|               |                  |                    |
|               |                  |                    |
| SUM(DDD+DDE)  | SUM(DDT+DDD+DDE) | % Breakdown Of DDT |
|               |                  |                    |
| 15226         | 433387           | 3.51               |
|               |                  |                    |

Instrument :  
BNA\_F  
ClientSampleId :  
DFTPP

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102424\  
Data File : BF140000.D  
Acq On : 24 Oct 2024 14:47  
Operator : RC/JU  
Sample : DFTPP  
Misc :  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
DFTPP

Quant Time: Oct 24 15:14:24 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101824.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Oct 18 15:07:50 2024  
Response via : Initial Calibration



TIC: BF140000.D\data.ms

**(70) Pentachlorophenol (C)**

11.210min (+ 0.000) 39709.65 ng

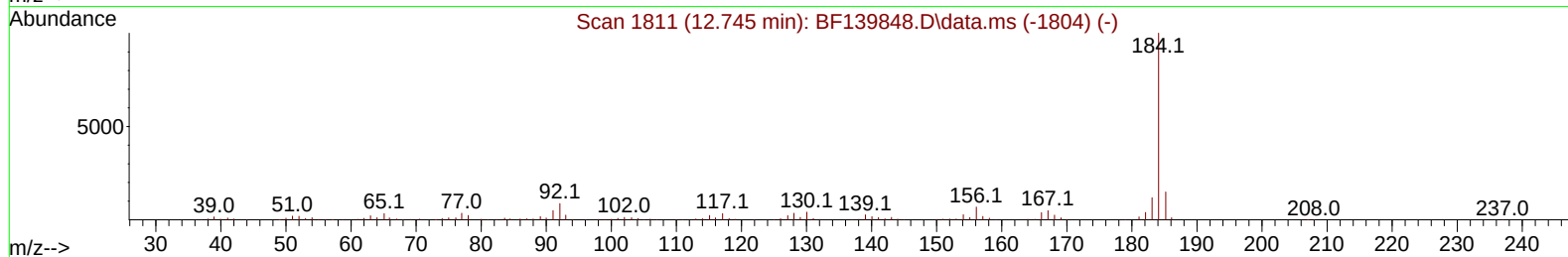
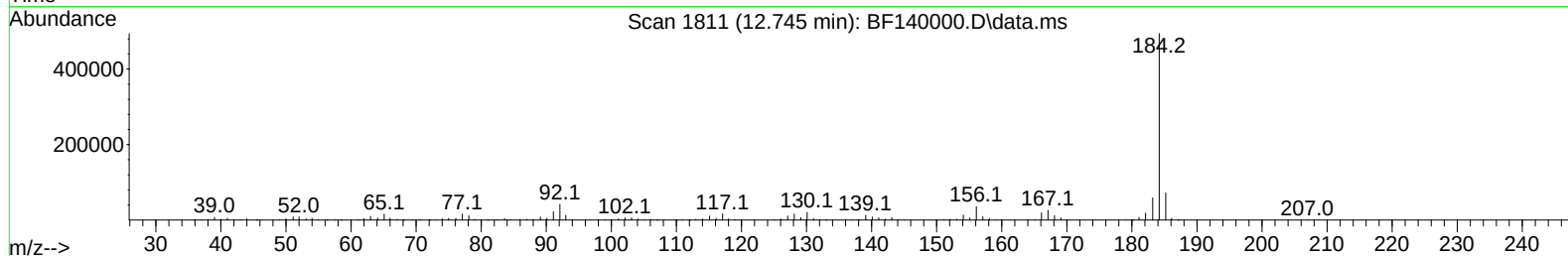
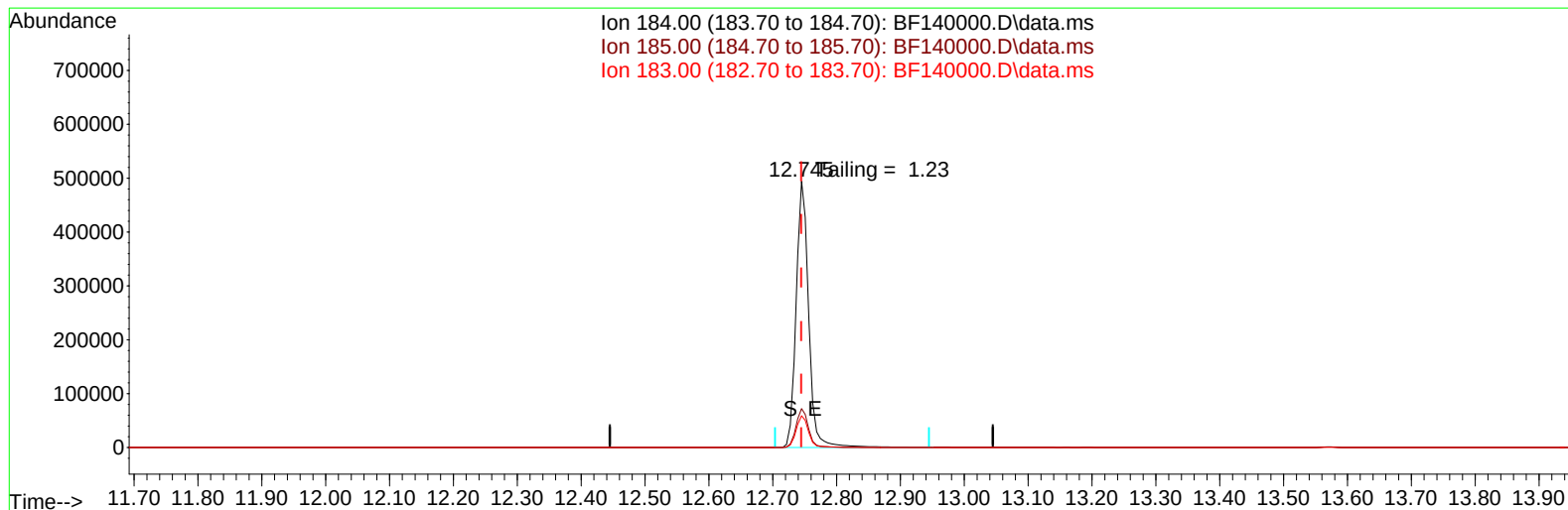
response 208862

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 265.70 | 100.00 | 100.00 |
| 268.00 | 63.00  | 63.86  |
| 264.00 | 63.20  | 62.10  |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102424\  
Data File : BF140000.D  
Acq On : 24 Oct 2024 14:47  
Operator : RC/JU  
Sample : DFTPP  
Misc :  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
DFTPP

Quant Time: Oct 24 15:14:24 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101824.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Oct 18 15:07:50 2024  
Response via : Initial Calibration



TIC: BF140000.D\data.ms

**(77) Benzidine**

12.745min (+ 0.000) 156375.06 ng

response 678833

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 184.00 | 100.00 | 100.00 |
| 185.00 | 15.00  | 14.62  |
| 183.00 | 11.80  | 11.94  |
| 0.00   | 0.00   | 0.00   |

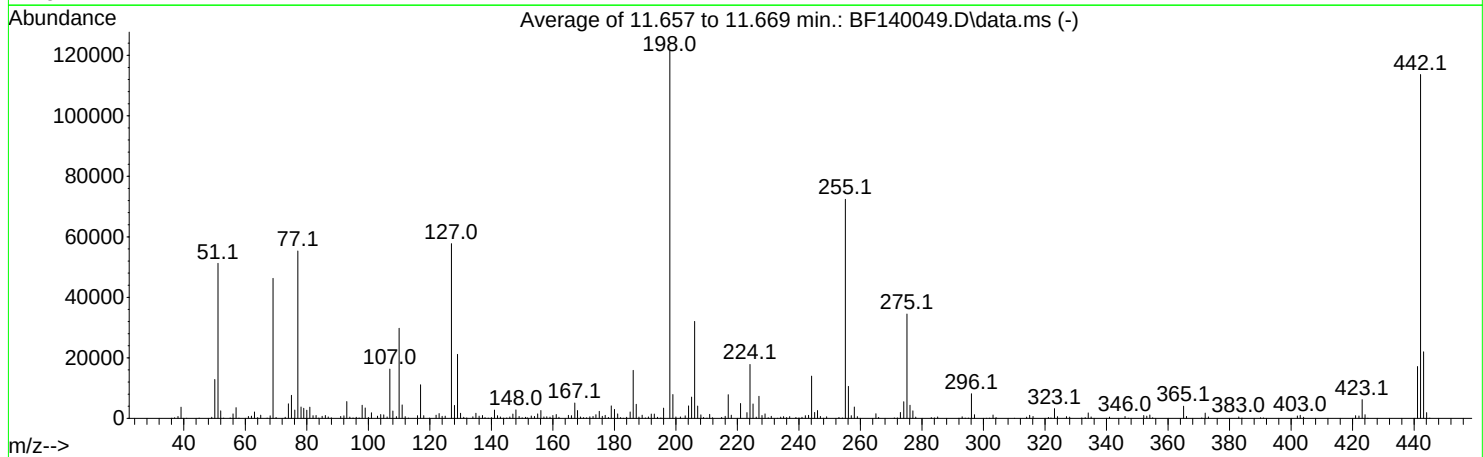
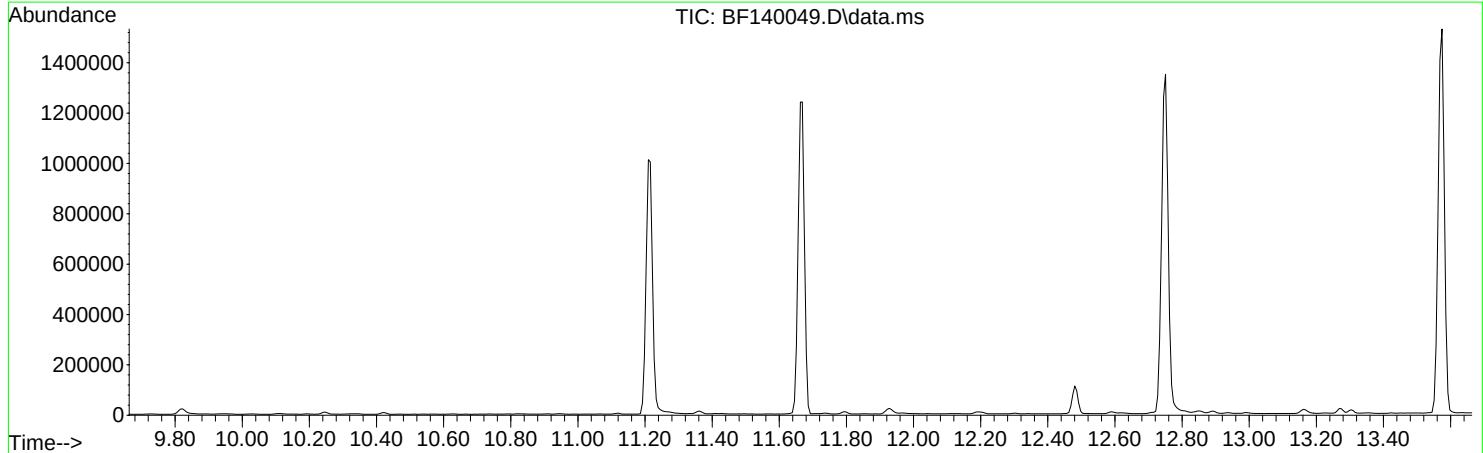


Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102624\  
Data File : BF140049.D  
Acq On : 26 Oct 2024 10:10  
Operator : RC/JU  
Sample : DFTPP  
Misc :  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101824.M  
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
Last Update : Fri Oct 18 15:07:50 2024



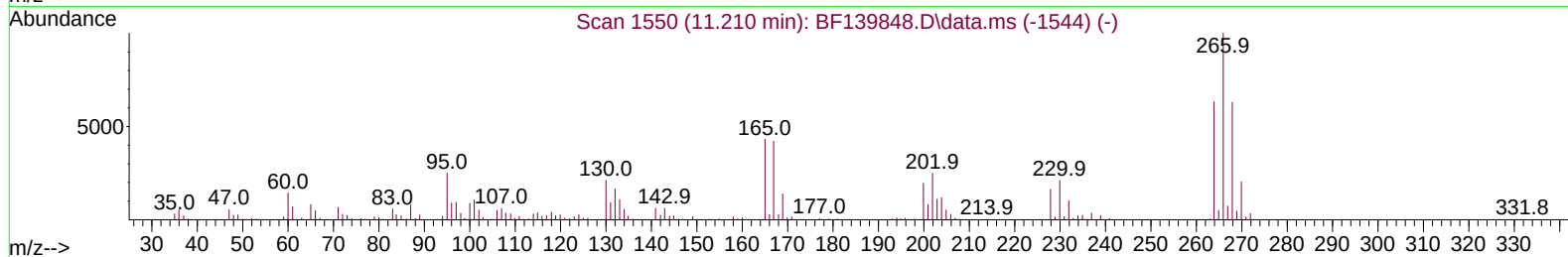
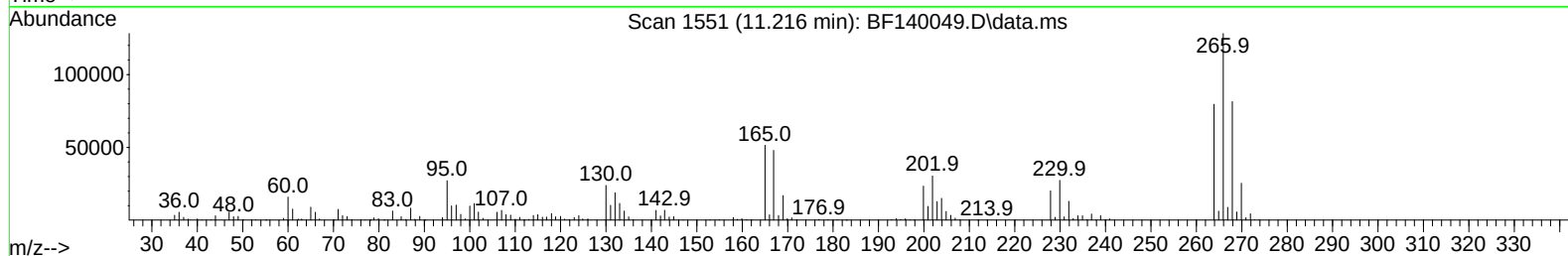
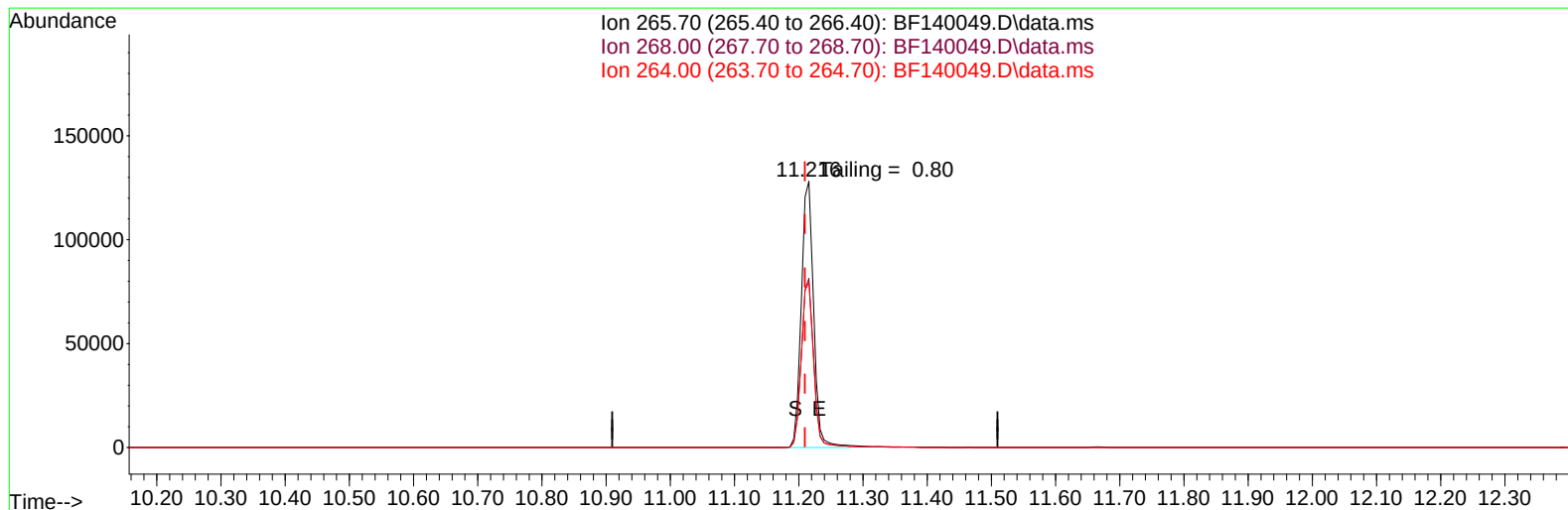
AutoFind: Scans 1626, 1627, 1628; Background Corrected with Scan 1620

| Target | Rel. to | Lower  | Upper  | Rel.  | Raw    | Result    |
|--------|---------|--------|--------|-------|--------|-----------|
| Mass   | Mass    | Limit% | Limit% | Abn%  | Abn    | Pass/Fail |
| 51     | 198     | 10     | 80     | 42.1  | 51240  | PASS      |
| 68     | 69      | 0.00   | 2      | 1.8   | 856    | PASS      |
| 69     | 198     | 0.00   | 100    | 38.1  | 46282  | PASS      |
| 70     | 69      | 0.00   | 2      | 0.7   | 328    | PASS      |
| 127    | 198     | 10     | 80     | 47.5  | 57773  | PASS      |
| 197    | 198     | 0.00   | 2      | 0.0   | 0      | PASS      |
| 198    | 198     | 100    | 100    | 100.0 | 121589 | PASS      |
| 199    | 198     | 5      | 9      | 6.5   | 7892   | PASS      |
| 275    | 198     | 10     | 60     | 28.3  | 34461  | PASS      |
| 365    | 198     | 1      | 100    | 3.3   | 4026   | PASS      |
| 441    | 198     | 0.01   | 100    | 14.1  | 17140  | PASS      |
| 442    | 442     | 50     | 100    | 100.0 | 113635 | PASS      |
| 443    | 442     | 15     | 24     | 19.4  | 22013  | PASS      |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102624\  
Data File : BF140049.D  
Acq On : 26 Oct 2024 10:10  
Operator : RC/JU  
Sample : DFTPP  
Misc :  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
DFTPP

Quant Time: Oct 28 01:04:20 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101824.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Oct 18 15:07:50 2024  
Response via : Initial Calibration



TIC: BF140049.D\data.ms

**(70) Pentachlorophenol (C)**

11.216min (+ 0.006) 14128.66 ng

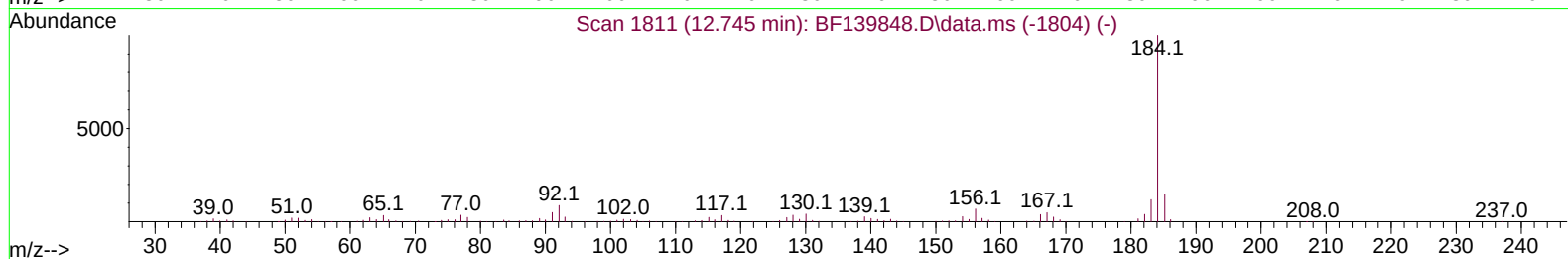
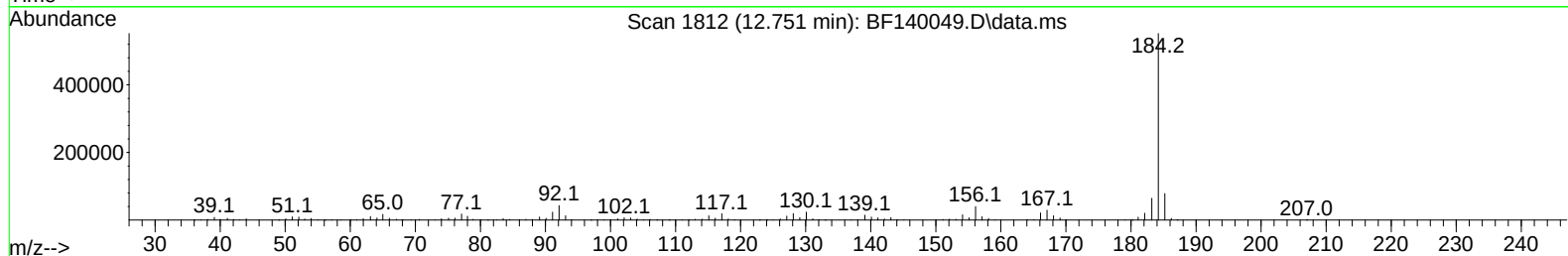
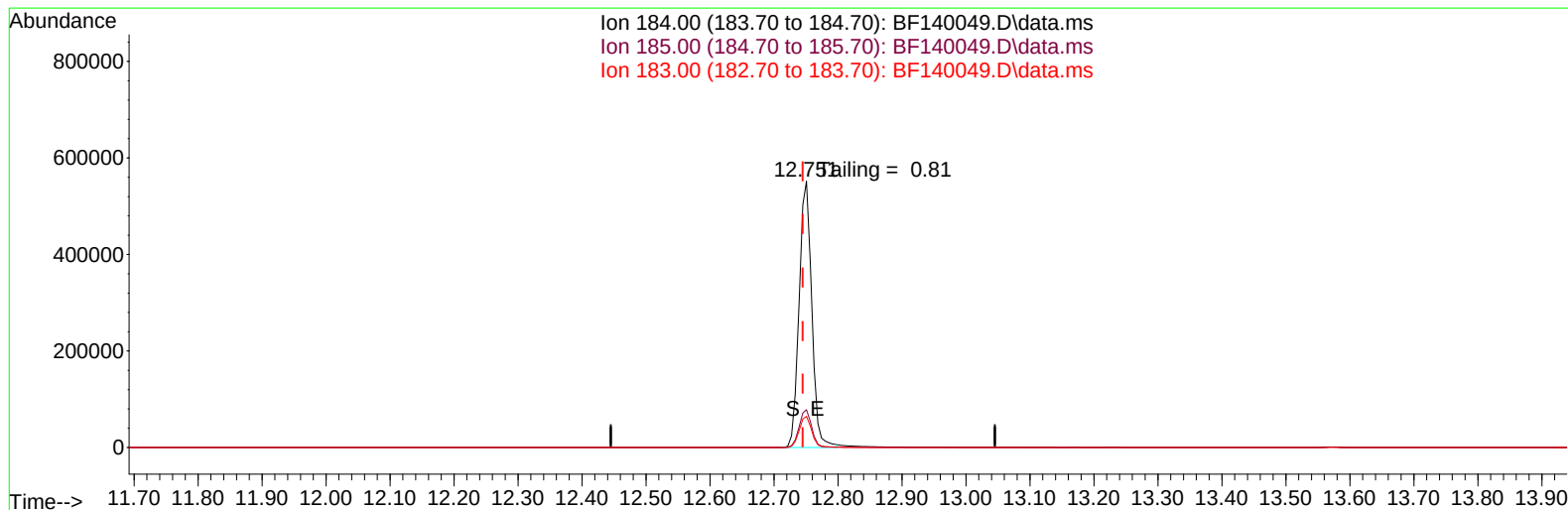
response 173165

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 265.70 | 100.00 | 100.00 |
| 268.00 | 63.00  | 63.52  |
| 264.00 | 63.20  | 62.12  |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102624\  
Data File : BF140049.D  
Acq On : 26 Oct 2024 10:10  
Operator : RC/JU  
Sample : DFTPP  
Misc :  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
DFTPP

Quant Time: Oct 28 01:04:20 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101824.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Oct 18 15:07:50 2024  
Response via : Initial Calibration



TIC: BF140049.D\data.ms

**(77) Benzidine**

12.751min (+ 0.006) 46047.22 ng

response 771559

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 184.00 | 100.00 | 100.00 |
| 185.00 | 15.00  | 14.21  |
| 183.00 | 11.80  | 11.71  |
| 0.00   | 0.00   | 0.00   |

### DDT Breakdown

| Date          | Instrument Name  | DFTPP Data File    |
|---------------|------------------|--------------------|
| 10/26/2024    | BNA_F            | <u>BF140049.D</u>  |
|               |                  |                    |
|               |                  |                    |
| Compound Name | Response         | Retention Time     |
|               |                  |                    |
| DDT           | 384498           | 13.574             |
| DDD           | 9181             | 13.274             |
| DDE           | 1042             | 12.939             |
|               |                  |                    |
|               |                  |                    |
| SUM(DDD+DDE)  | SUM(DDT+DDD+DDE) | % Breakdown Of DDT |
|               |                  |                    |
| 10223         | 394721           | 2.59               |
|               |                  |                    |

Instrument :  
BNA\_F  
ClientSampleId :  
DFTPP

## Report of Analysis

|                    |                              |                 |                              |
|--------------------|------------------------------|-----------------|------------------------------|
| Client:            | Portal Partners Tri-Venture  | Date Collected: |                              |
| Project:           | Amtrak Sawtooth Bridges 2024 | Date Received:  |                              |
| Client Sample ID:  | PB164312BL                   | SDG No.:        | P4471                        |
| Lab Sample ID:     | PB164312BL                   | Matrix:         | SOIL                         |
| Analytical Method: | SW8270                       | % Solid:        | 100                          |
| Sample Wt/Vol:     | 30.01      Units:    g       | Final Vol:      | 1000                      uL |
| Soil Aliquot Vol:  | uL                           | Test:           | SVOC-TCL BNA -20             |
| Extraction Type :  | Decanted :      N            | Level :         | LOW                          |
| Injection Volume : | GPC Factor :    1.0          | GPC Cleanup :   | N                      PH :  |
| Prep Method :      | SW3541                       |                 |                              |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BF139991.D        | 1         | 10/22/24 10:44 | 10/24/24 10:23 | PB164312      |

| CAS Number     | Parameter                   | Conc. | Qualifier | MDL  | LOQ / CRQL | Units(Dry Weight) |
|----------------|-----------------------------|-------|-----------|------|------------|-------------------|
| <b>TARGETS</b> |                             |       |           |      |            |                   |
| 100-52-7       | Benzaldehyde                | 180   | U         | 180  | 330        | ug/Kg             |
| 108-95-2       | Phenol                      | 82.9  | U         | 82.9 | 170        | ug/Kg             |
| 111-44-4       | bis(2-Chloroethyl)ether     | 83.7  | U         | 83.7 | 170        | ug/Kg             |
| 95-57-8        | 2-Chlorophenol              | 83.5  | U         | 83.5 | 170        | ug/Kg             |
| 95-48-7        | 2-Methylphenol              | 80.6  | U         | 80.6 | 170        | ug/Kg             |
| 108-60-1       | 2,2-oxybis(1-Chloropropane) | 90.9  | U         | 90.9 | 170        | ug/Kg             |
| 98-86-2        | Acetophenone                | 86.9  | U         | 86.9 | 170        | ug/Kg             |
| 65794-96-9     | 3+4-Methylphenols           | 79.8  | U         | 79.8 | 330        | ug/Kg             |
| 621-64-7       | n-Nitroso-di-n-propylamine  | 40.3  | U         | 40.3 | 80.0       | ug/Kg             |
| 67-72-1        | Hexachloroethane            | 83.0  | U         | 83.0 | 170        | ug/Kg             |
| 98-95-3        | Nitrobenzene                | 90.8  | U         | 90.8 | 170        | ug/Kg             |
| 78-59-1        | Isophorone                  | 84.6  | U         | 84.6 | 170        | ug/Kg             |
| 88-75-5        | 2-Nitrophenol               | 94.5  | U         | 94.5 | 170        | ug/Kg             |
| 105-67-9       | 2,4-Dimethylphenol          | 93.2  | U         | 93.2 | 170        | ug/Kg             |
| 111-91-1       | bis(2-Chloroethoxy)methane  | 85.8  | U         | 85.8 | 170        | ug/Kg             |
| 120-83-2       | 2,4-Dichlorophenol          | 75.5  | U         | 75.5 | 170        | ug/Kg             |
| 91-20-3        | Naphthalene                 | 82.6  | U         | 82.6 | 170        | ug/Kg             |
| 106-47-8       | 4-Chloroaniline             | 82.6  | U         | 82.6 | 170        | ug/Kg             |
| 87-68-3        | Hexachlorobutadiene         | 83.3  | U         | 83.3 | 170        | ug/Kg             |
| 105-60-2       | Caprolactam                 | 86.8  | U         | 86.8 | 330        | ug/Kg             |
| 59-50-7        | 4-Chloro-3-methylphenol     | 77.5  | U         | 77.5 | 170        | ug/Kg             |
| 91-57-6        | 2-Methylnaphthalene         | 82.5  | U         | 82.5 | 170        | ug/Kg             |
| 77-47-4        | Hexachlorocyclopentadiene   | 160   | U         | 160  | 330        | ug/Kg             |
| 88-06-2        | 2,4,6-Trichlorophenol       | 71.4  | U         | 71.4 | 170        | ug/Kg             |
| 95-95-4        | 2,4,5-Trichlorophenol       | 74.0  | U         | 74.0 | 170        | ug/Kg             |
| 92-52-4        | 1,1-Biphenyl                | 87.4  | U         | 87.4 | 170        | ug/Kg             |
| 91-58-7        | 2-Chloronaphthalene         | 83.3  | U         | 83.3 | 170        | ug/Kg             |
| 88-74-4        | 2-Nitroaniline              | 95.0  | U         | 95.0 | 170        | ug/Kg             |
| 131-11-3       | Dimethylphthalate           | 81.7  | U         | 81.7 | 170        | ug/Kg             |

## Report of Analysis

|                    |                              |                 |                              |
|--------------------|------------------------------|-----------------|------------------------------|
| Client:            | Portal Partners Tri-Venture  | Date Collected: |                              |
| Project:           | Amtrak Sawtooth Bridges 2024 | Date Received:  |                              |
| Client Sample ID:  | PB164312BL                   | SDG No.:        | P4471                        |
| Lab Sample ID:     | PB164312BL                   | Matrix:         | SOIL                         |
| Analytical Method: | SW8270                       | % Solid:        | 100                          |
| Sample Wt/Vol:     | 30.01      Units:    g       | Final Vol:      | 1000                      uL |
| Soil Aliquot Vol:  | uL                           | Test:           | SVOC-TCL BNA -20             |
| Extraction Type :  | Decanted :      N            | Level :         | LOW                          |
| Injection Volume : | GPC Factor :    1.0          | GPC Cleanup :   | N                      PH :  |
| Prep Method :      | SW3541                       |                 |                              |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BF139991.D        | 1         | 10/22/24 10:44 | 10/24/24 10:23 | PB164312      |

| CAS Number | Parameter                  | Conc. | Qualifier | MDL  | LOQ / CRQL | Units(Dry Weight) |
|------------|----------------------------|-------|-----------|------|------------|-------------------|
| 208-96-8   | Acenaphthylene             | 86.5  | U         | 86.5 | 170        | ug/Kg             |
| 606-20-2   | 2,6-Dinitrotoluene         | 83.2  | U         | 83.2 | 170        | ug/Kg             |
| 99-09-2    | 3-Nitroaniline             | 89.2  | U         | 89.2 | 170        | ug/Kg             |
| 83-32-9    | Acenaphthene               | 81.1  | U         | 81.1 | 170        | ug/Kg             |
| 51-28-5    | 2,4-Dinitrophenol          | 240   | U         | 240  | 330        | ug/Kg             |
| 100-02-7   | 4-Nitrophenol              | 120   | U         | 120  | 330        | ug/Kg             |
| 132-64-9   | Dibenzofuran               | 84.4  | U         | 84.4 | 170        | ug/Kg             |
| 121-14-2   | 2,4-Dinitrotoluene         | 86.2  | U         | 86.2 | 170        | ug/Kg             |
| 84-66-2    | Diethylphthalate           | 80.1  | U         | 80.1 | 170        | ug/Kg             |
| 7005-72-3  | 4-Chlorophenyl-phenylether | 85.6  | U         | 85.6 | 170        | ug/Kg             |
| 86-73-7    | Fluorene                   | 85.5  | U         | 85.5 | 170        | ug/Kg             |
| 100-01-6   | 4-Nitroaniline             | 110   | U         | 110  | 170        | ug/Kg             |
| 534-52-1   | 4,6-Dinitro-2-methylphenol | 120   | U         | 120  | 330        | ug/Kg             |
| 86-30-6    | n-Nitrosodiphenylamine     | 81.6  | U         | 81.6 | 170        | ug/Kg             |
| 101-55-3   | 4-Bromophenyl-phenylether  | 78.9  | U         | 78.9 | 170        | ug/Kg             |
| 118-74-1   | Hexachlorobenzene          | 85.0  | U         | 85.0 | 170        | ug/Kg             |
| 1912-24-9  | Atrazine                   | 91.4  | U         | 91.4 | 170        | ug/Kg             |
| 87-86-5    | Pentachlorophenol          | 77.3  | U         | 77.3 | 330        | ug/Kg             |
| 85-01-8    | Phenanthrene               | 84.0  | U         | 84.0 | 170        | ug/Kg             |
| 120-12-7   | Anthracene                 | 84.4  | U         | 84.4 | 170        | ug/Kg             |
| 86-74-8    | Carbazole                  | 80.3  | U         | 80.3 | 170        | ug/Kg             |
| 84-74-2    | Di-n-butylphthalate        | 84.3  | U         | 84.3 | 170        | ug/Kg             |
| 206-44-0   | Fluoranthene               | 81.7  | U         | 81.7 | 170        | ug/Kg             |
| 129-00-0   | Pyrene                     | 83.0  | U         | 83.0 | 170        | ug/Kg             |
| 85-68-7    | Butylbenzylphthalate       | 96.8  | U         | 96.8 | 170        | ug/Kg             |
| 91-94-1    | 3,3-Dichlorobenzidine      | 98.6  | U         | 98.6 | 330        | ug/Kg             |
| 56-55-3    | Benzo(a)anthracene         | 80.7  | U         | 80.7 | 170        | ug/Kg             |
| 218-01-9   | Chrysene                   | 79.5  | U         | 79.5 | 170        | ug/Kg             |
| 117-81-7   | Bis(2-ethylhexyl)phthalate | 91.0  | U         | 91.0 | 170        | ug/Kg             |
| 117-84-0   | Di-n-octyl phthalate       | 110   | U         | 110  | 330        | ug/Kg             |
| 205-99-2   | Benzo(b)fluoranthene       | 81.1  | U         | 81.1 | 170        | ug/Kg             |

## Report of Analysis

|                    |                              |                 |                  |
|--------------------|------------------------------|-----------------|------------------|
| Client:            | Portal Partners Tri-Venture  | Date Collected: |                  |
| Project:           | Amtrak Sawtooth Bridges 2024 | Date Received:  |                  |
| Client Sample ID:  | PB164312BL                   | SDG No.:        | P4471            |
| Lab Sample ID:     | PB164312BL                   | Matrix:         | SOIL             |
| Analytical Method: | SW8270                       | % Solid:        | 100              |
| Sample Wt/Vol:     | 30.01      Units: g          | Final Vol:      | 1000      uL     |
| Soil Aliquot Vol:  | uL                           | Test:           | SVOC-TCL BNA -20 |
| Extraction Type :  | Decanted : N                 | Level :         | LOW              |
| Injection Volume : | GPC Factor : 1.0             | GPC Cleanup :   | N      PH :      |
| Prep Method :      | SW3541                       |                 |                  |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BF139991.D        | 1         | 10/22/24 10:44 | 10/24/24 10:23 | PB164312      |

| CAS Number                            | Parameter                        | Conc.  | Qualifier | MDL                 | LOQ / CRQL | Units(Dry Weight) |
|---------------------------------------|----------------------------------|--------|-----------|---------------------|------------|-------------------|
| 207-08-9                              | Benzo(k)fluoranthene             | 82.6   | U         | 82.6                | 170        | ug/Kg             |
| 50-32-8                               | Benzo(a)pyrene                   | 93.0   | U         | 93.0                | 170        | ug/Kg             |
| 193-39-5                              | Indeno(1,2,3-cd)pyrene           | 78.1   | U         | 78.1                | 170        | ug/Kg             |
| 53-70-3                               | Dibenzo(a,h)anthracene           | 81.2   | U         | 81.2                | 170        | ug/Kg             |
| 191-24-2                              | Benzo(g,h,i)perylene             | 80.1   | U         | 80.1                | 170        | ug/Kg             |
| 95-94-3                               | 1,2,4,5-Tetrachlorobenzene       | 86.8   | U         | 86.8                | 170        | ug/Kg             |
| 123-91-1                              | 1,4-Dioxane                      | 110    | U         | 110                 | 170        | ug/Kg             |
| 58-90-2                               | 2,3,4,6-Tetrachlorophenol        | 74.7   | U         | 74.7                | 170        | ug/Kg             |
| <b>SURROGATES</b>                     |                                  |        |           |                     |            |                   |
| 367-12-4                              | 2-Fluorophenol                   | 131    |           | 30 (18) - 130 (112) | 87%        | SPK: 150          |
| 13127-88-3                            | Phenol-d6                        | 126    |           | 30 (15) - 130 (107) | 84%        | SPK: 150          |
| 4165-60-0                             | Nitrobenzene-d5                  | 96.5   |           | 30 (18) - 130 (107) | 96%        | SPK: 100          |
| 321-60-8                              | 2-Fluorobiphenyl                 | 93.3   |           | 30 (20) - 130 (109) | 93%        | SPK: 100          |
| 118-79-6                              | 2,4,6-Tribromophenol             | 158    |           | 30 (10) - 130 (116) | 105%       | SPK: 150          |
| 1718-51-0                             | Terphenyl-d14                    | 92.9   |           | 30 (10) - 130 (105) | 93%        | SPK: 100          |
| <b>INTERNAL STANDARDS</b>             |                                  |        |           |                     |            |                   |
| 3855-82-1                             | 1,4-Dichlorobenzene-d4           | 147000 | 6.892     |                     |            |                   |
| 1146-65-2                             | Naphthalene-d8                   | 572000 | 8.169     |                     |            |                   |
| 15067-26-2                            | Acenaphthene-d10                 | 325000 | 9.928     |                     |            |                   |
| 1517-22-2                             | Phenanthrene-d10                 | 586000 | 11.41     |                     |            |                   |
| 1719-03-5                             | Chrysene-d12                     | 355000 | 14.051    |                     |            |                   |
| 1520-96-3                             | Perylene-d12                     | 287000 | 15.527    |                     |            |                   |
| <b>TENTATIVE IDENTIFIED COMPOUNDS</b> |                                  |        |           |                     |            |                   |
| 000994-05-8                           | Butane, 2-methoxy-2-methyl-      | 110    | J         |                     | 2.23       | ug/Kg             |
| 000123-42-2                           | 2-Pentanone, 4-hydroxy-4-methyl- | 240    | A         |                     | 5.13       | ug/Kg             |

## Report of Analysis

|                    |                              |                 |                              |
|--------------------|------------------------------|-----------------|------------------------------|
| Client:            | Portal Partners Tri-Venture  | Date Collected: |                              |
| Project:           | Amtrak Sawtooth Bridges 2024 | Date Received:  |                              |
| Client Sample ID:  | PB164312BL                   | SDG No.:        | P4471                        |
| Lab Sample ID:     | PB164312BL                   | Matrix:         | SOIL                         |
| Analytical Method: | SW8270                       | % Solid:        | 100                          |
| Sample Wt/Vol:     | 30.01      Units:    g       | Final Vol:      | 1000                      uL |
| Soil Aliquot Vol:  | uL                           | Test:           | SVOC-TCL BNA -20             |
| Extraction Type :  | Decanted :    N              | Level :         | LOW                          |
| Injection Volume : | GPC Factor :    1.0          | GPC Cleanup :   | N                      PH :  |
| Prep Method :      | SW3541                       |                 |                              |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BF139991.D        | 1         | 10/22/24 10:44 | 10/24/24 10:23 | PB164312      |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|------------|-----------|-------|-----------|-----|------------|-------------------|
|------------|-----------|-------|-----------|-----|------------|-------------------|

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



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102424\  
Data File : BF139991.D  
Acq On : 24 Oct 2024 10:23  
Operator : RC/JU  
Sample : PB164312BL  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
PB164312BL

Quant Time: Oct 24 11:02:56 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101824.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Oct 18 15:07:50 2024  
Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-----------------------------|--------|------|----------|---------|-------|----------|
| Internal Standards          |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 6.892  | 152  | 147139   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.169  | 136  | 571542   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 9.928  | 164  | 324595   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.410 | 188  | 586249   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12            | 14.051 | 240  | 355232   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12            | 15.527 | 264  | 286763   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds |        |      |          |         |       |          |
| 5) 2-Fluorophenol           | 5.516  | 112  | 1228240  | 130.679 | ng    | 0.02     |
| 7) Phenol-d6                | 6.510  | 99   | 1528051  | 125.527 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.451  | 82   | 994841   | 96.472  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.716 | 330  | 478528   | 157.610 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.245  | 172  | 1832630  | 93.310  | ng    | 0.00     |
| 79) Terphenyl-d14           | 12.998 | 244  | 2024925  | 92.885  | ng    | 0.00     |

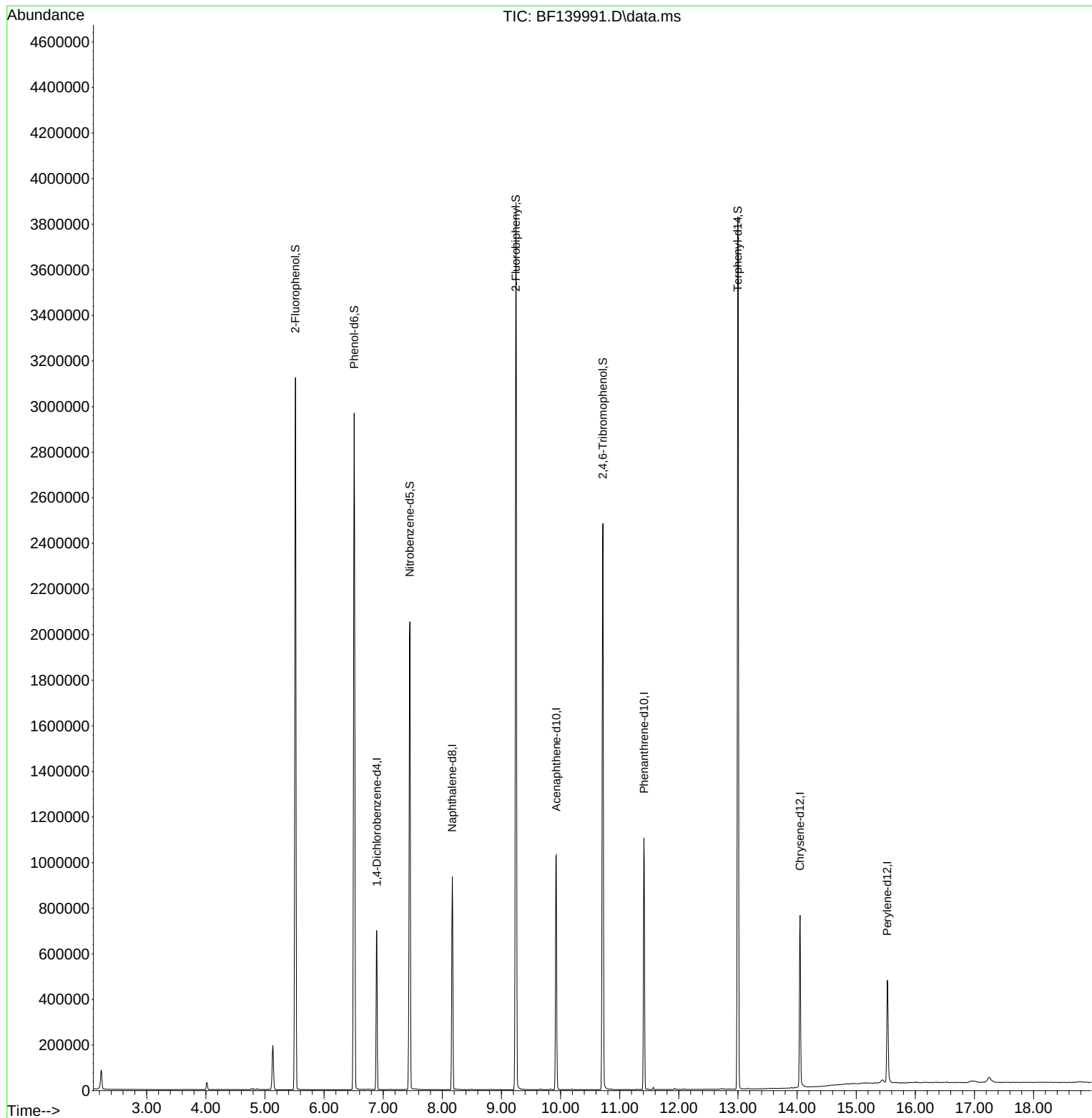
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

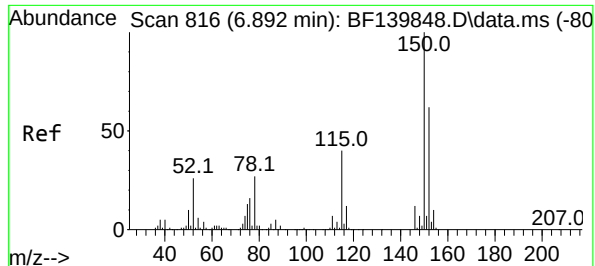
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102424\  
Data File : BF139991.D  
Acq On : 24 Oct 2024 10:23  
Operator : RC/JU  
Sample : PB164312BL  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
PB164312BL

Quant Time: Oct 24 11:02:56 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101824.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Oct 18 15:07:50 2024  
Response via : Initial Calibration

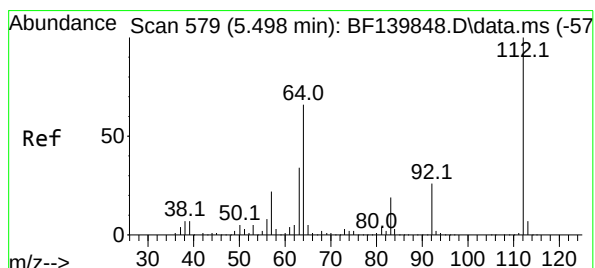
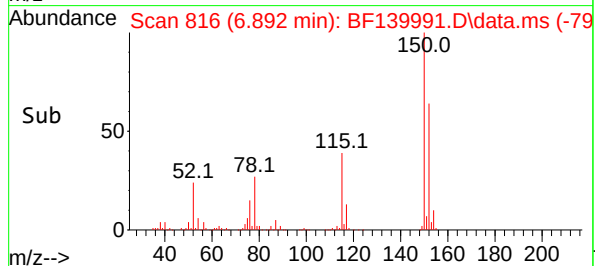
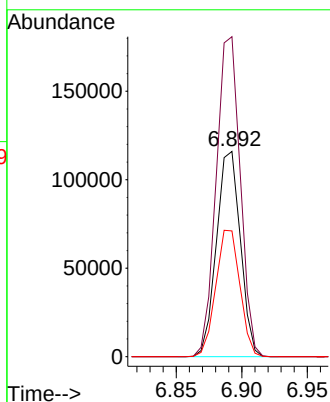
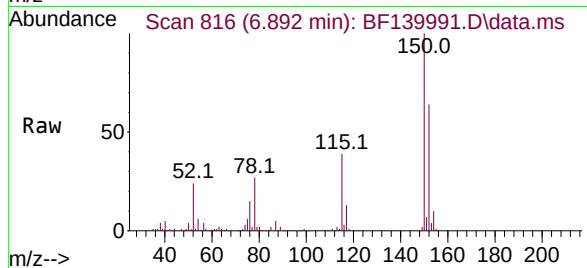




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.892 min Scan# 816  
Delta R.T. 0.000 min  
Lab File: BF139991.D  
Acq: 24 Oct 2024 10:23

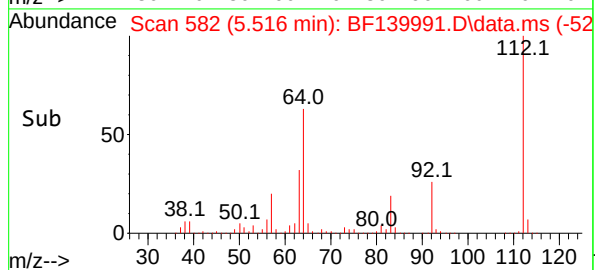
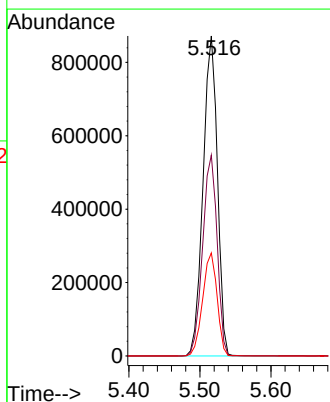
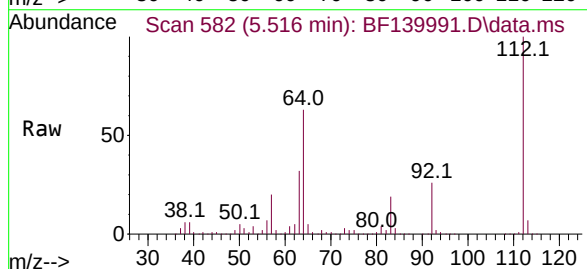
Instrument :  
BNA\_F  
ClientSampleId :  
PB164312BL

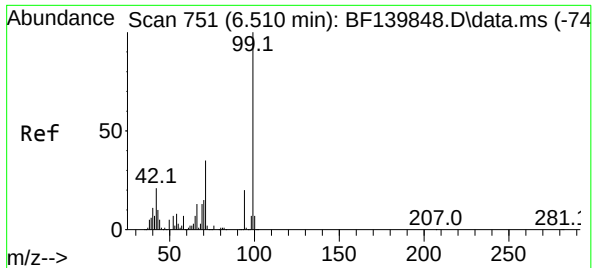
Tgt Ion:152 Resp: 147139  
Ion Ratio Lower Upper  
152 100  
150 155.8 130.2 195.2  
115 61.2 51.4 77.2



#5  
2-Fluorophenol  
Concen: 130.679 ng  
RT: 5.516 min Scan# 582  
Delta R.T. 0.018 min  
Lab File: BF139991.D  
Acq: 24 Oct 2024 10:23

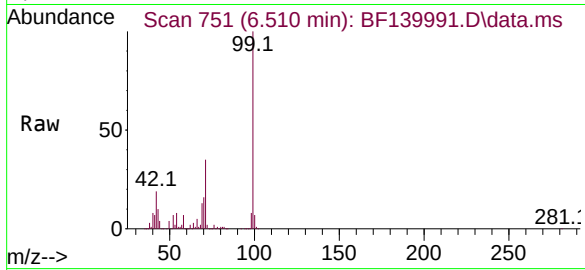
Tgt Ion:112 Resp: 1228240  
Ion Ratio Lower Upper  
112 100  
64 62.8 53.0 79.6  
63 32.2 27.0 40.4





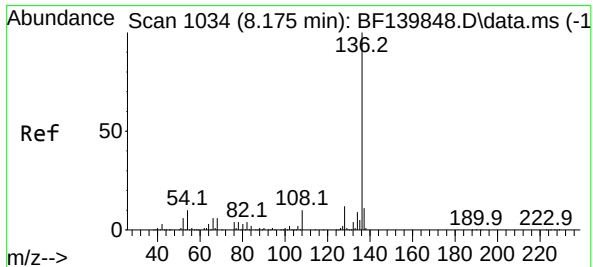
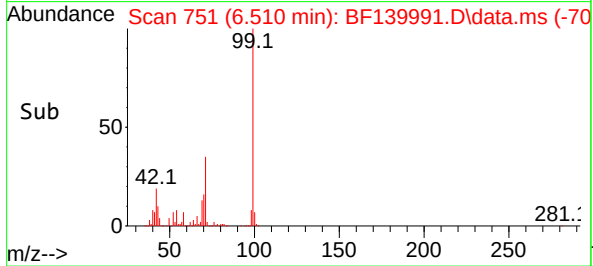
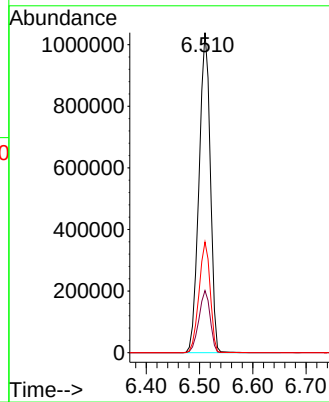
#7  
Phenol-d6  
Concen: 125.527 ng  
RT: 6.510 min Scan# 71  
Delta R.T. 0.000 min  
Lab File: BF139991.D  
Acq: 24 Oct 2024 10:23

Instrument :  
BNA\_F  
ClientSampleId :  
PB164312BL



Tgt Ion: 99 Resp: 1528051

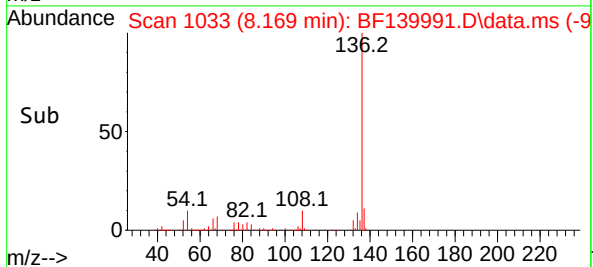
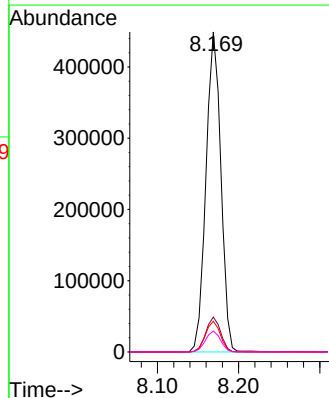
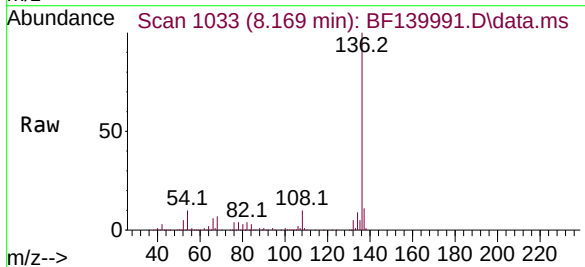
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 19.4  | 16.7  | 25.1  |
| 71  | 34.6  | 27.7  | 41.5  |

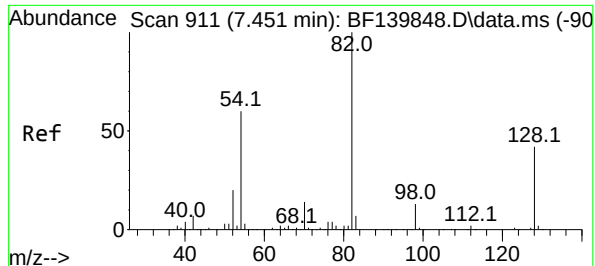


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.169 min Scan# 1033  
Delta R.T. -0.006 min  
Lab File: BF139991.D  
Acq: 24 Oct 2024 10:23

Tgt Ion: 136 Resp: 571542

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 10.9  | 8.6   | 12.8  |
| 54  | 9.6   | 8.4   | 12.6  |
| 68  | 6.6   | 5.1   | 7.7   |





#23

Nitrobenzene-d5

Concen: 96.472 ng

RT: 7.451 min Scan# 911

Delta R.T. 0.000 min

Lab File: BF139991.D

Acq: 24 Oct 2024 10:23

Instrument :

BNA\_F

ClientSampleId :

PB164312BL

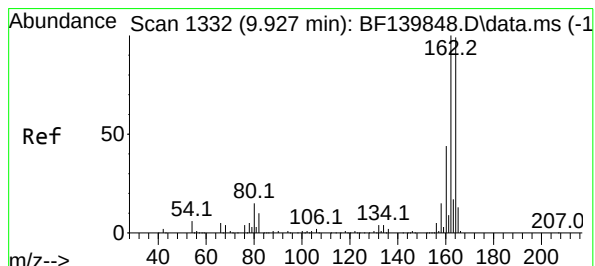
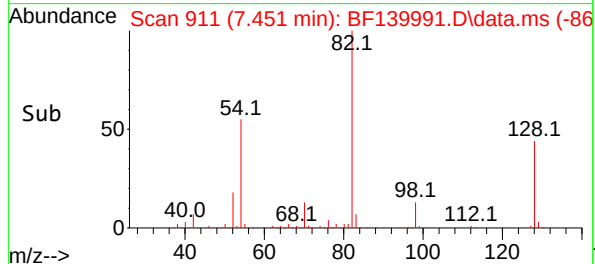
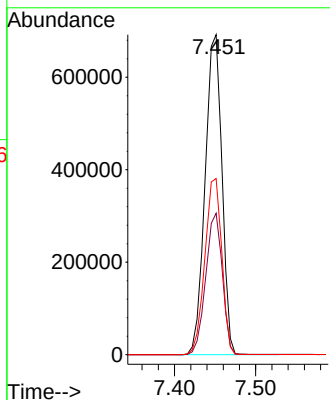
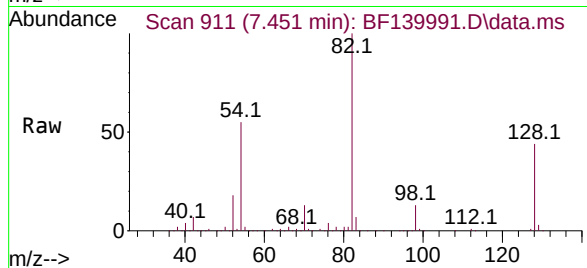
Tgt Ion: 82 Resp: 994841

Ion Ratio Lower Upper

82 100

128 44.2 33.4 50.0

54 55.1 47.8 71.8



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.928 min Scan# 1332

Delta R.T. 0.001 min

Lab File: BF139991.D

Acq: 24 Oct 2024 10:23

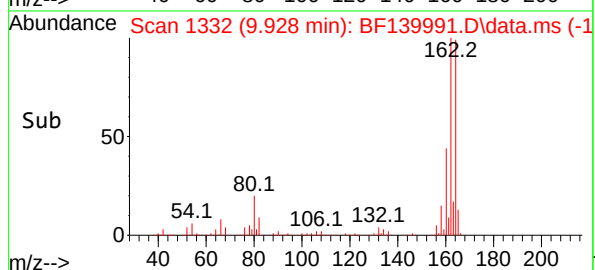
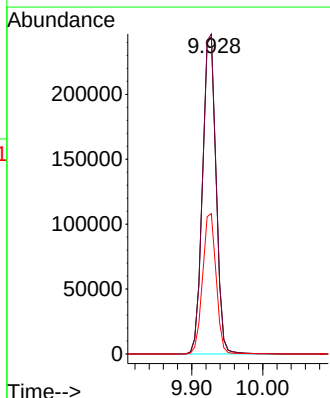
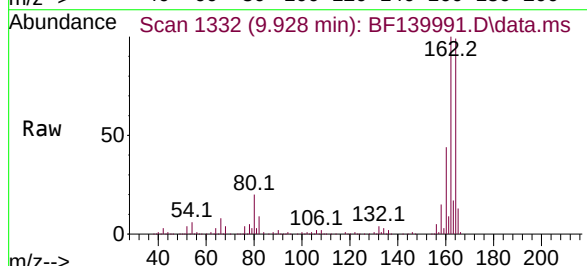
Tgt Ion: 164 Resp: 324595

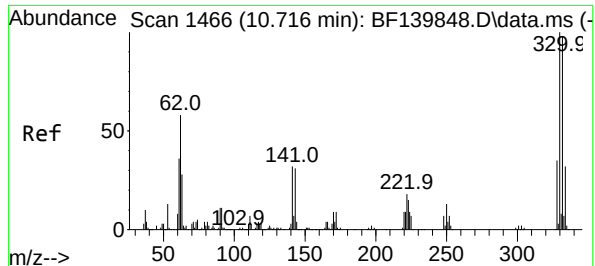
Ion Ratio Lower Upper

164 100

162 100.9 81.0 121.4

160 44.2 35.4 53.0

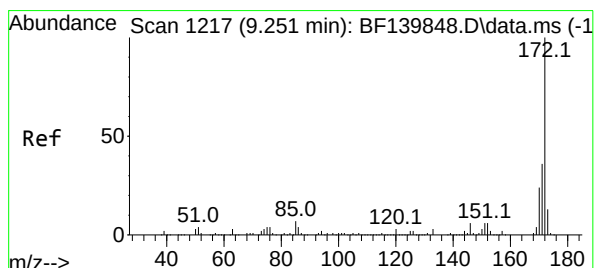
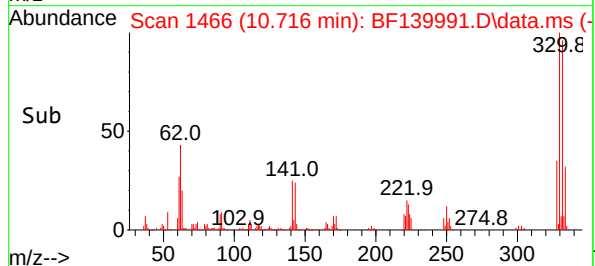
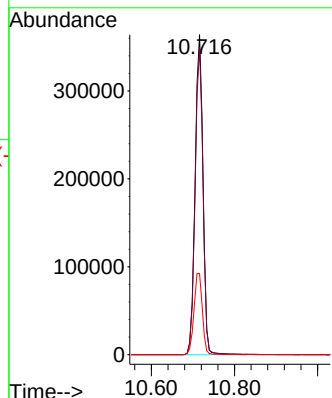
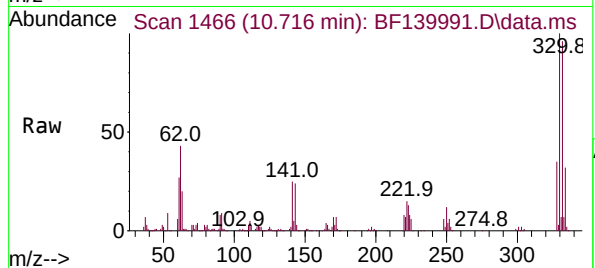




#42  
2,4,6-Tribromophenol  
Concen: 157.610 ng  
RT: 10.716 min Scan# 1466  
Delta R.T. 0.000 min  
Lab File: BF139991.D  
Acq: 24 Oct 2024 10:23

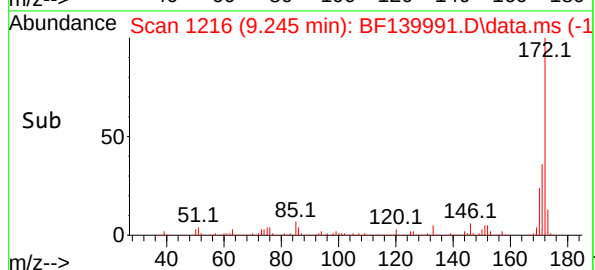
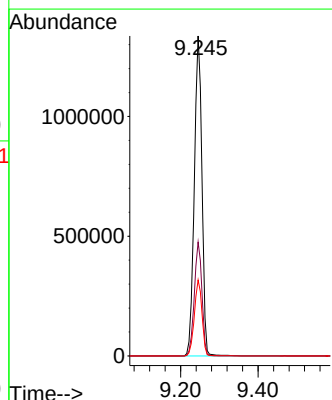
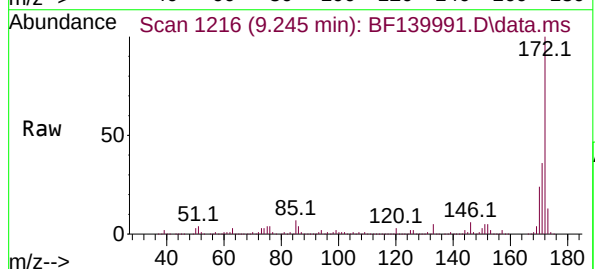
Instrument :  
BNA\_F  
ClientSampleId :  
PB164312BL

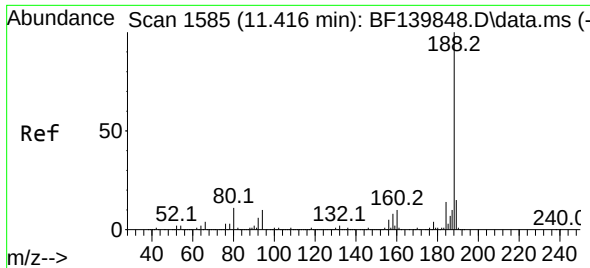
Tgt Ion:330 Resp: 478528  
Ion Ratio Lower Upper  
330 100  
332 95.8 78.1 117.1  
141 27.0 26.6 39.8



#45  
2-Fluorobiphenyl  
Concen: 93.310 ng  
RT: 9.245 min Scan# 1216  
Delta R.T. -0.006 min  
Lab File: BF139991.D  
Acq: 24 Oct 2024 10:23

Tgt Ion:172 Resp: 1832630  
Ion Ratio Lower Upper  
172 100  
171 35.6 28.6 43.0  
170 23.8 19.1 28.7

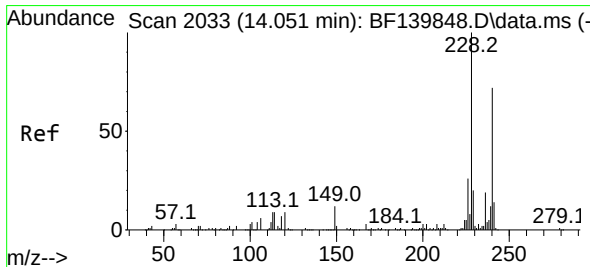
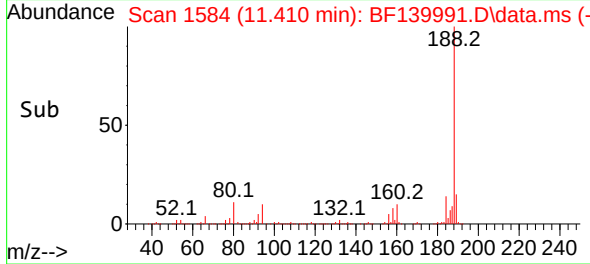
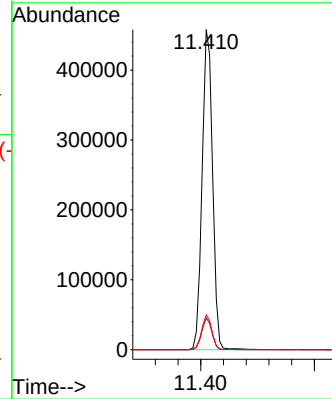
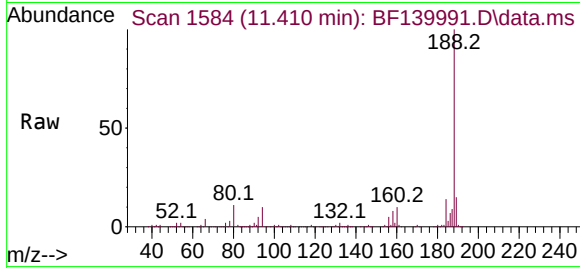




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.410 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF139991.D  
Acq: 24 Oct 2024 10:23

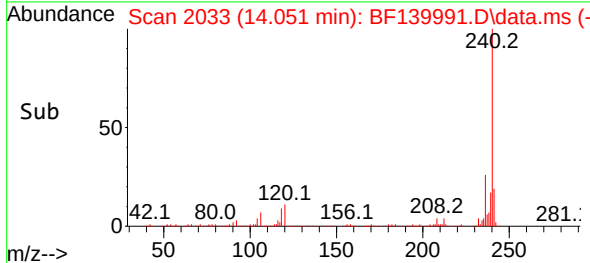
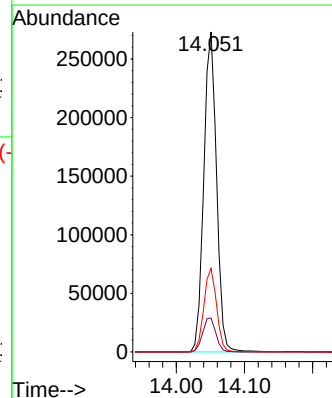
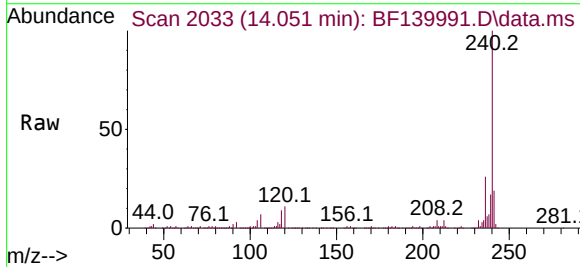
Instrument :  
BNA\_F  
ClientSampleId :  
PB164312BL

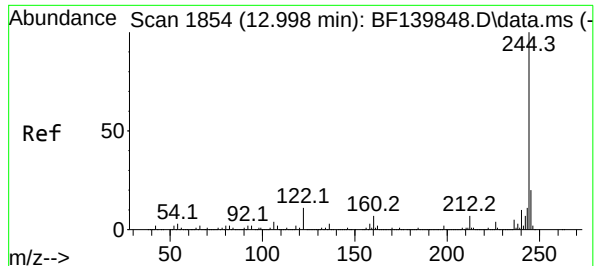
Tgt Ion:188 Resp: 586249  
Ion Ratio Lower Upper  
188 100  
94 9.9 7.9 11.9  
80 10.9 9.0 13.4



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.051 min Scan# 2033  
Delta R.T. 0.000 min  
Lab File: BF139991.D  
Acq: 24 Oct 2024 10:23

Tgt Ion:240 Resp: 355232  
Ion Ratio Lower Upper  
240 100  
120 10.6 9.4 14.2  
236 26.1 20.9 31.3





#79

Terphenyl-d14

Concen: 92.885 ng

RT: 12.998 min Scan# 1854

Delta R.T. 0.000 min

Lab File: BF139991.D

Acq: 24 Oct 2024 10:23

Instrument :

BNA\_F

ClientSampleId :

PB164312BL

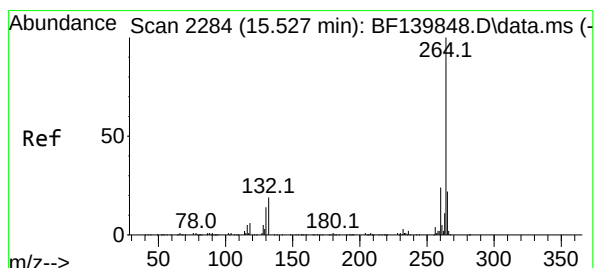
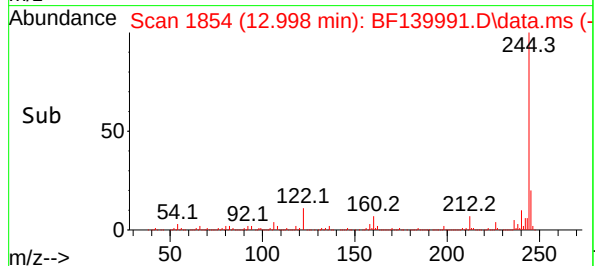
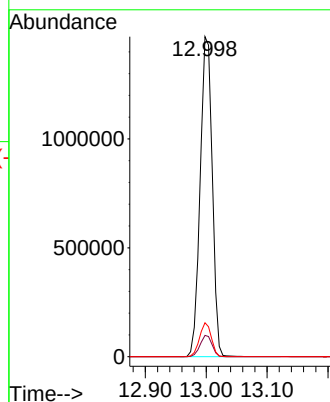
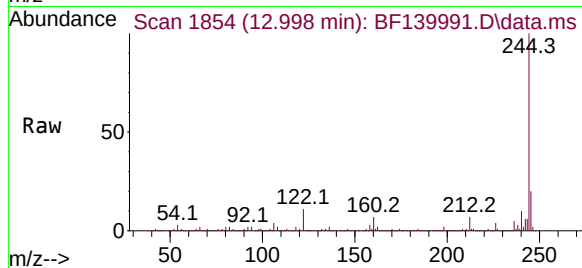
Tgt Ion:244 Resp: 2024925

Ion Ratio Lower Upper

244 100

212 6.6 5.7 8.5

122 10.6 8.6 13.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.527 min Scan# 2284

Delta R.T. 0.000 min

Lab File: BF139991.D

Acq: 24 Oct 2024 10:23

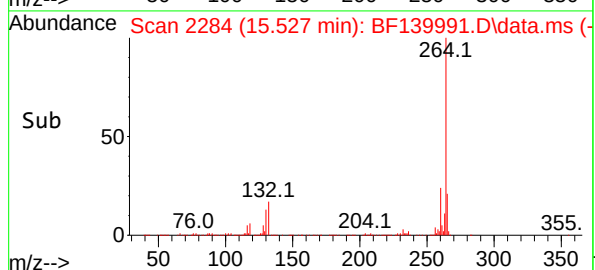
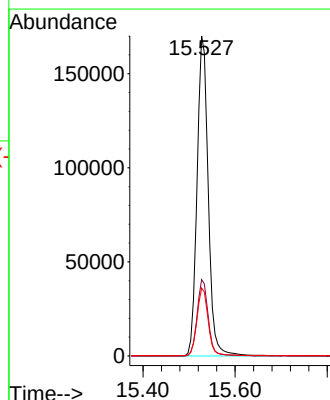
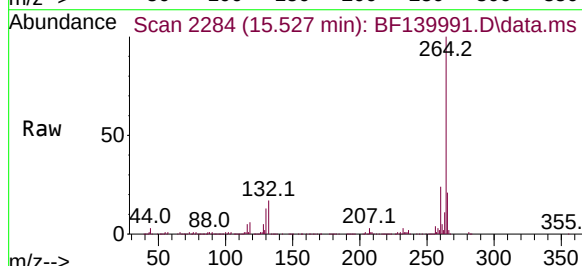
Tgt Ion:264 Resp: 286763

Ion Ratio Lower Upper

264 100

260 23.8 19.4 29.2

265 21.3 17.4 26.0





Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102424\  
 Data File : BF139991.D  
 Acq On : 24 Oct 2024 10:23  
 Operator : RC/JU  
 Sample : PB164312BL  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB164312BL

Integration Parameters: rteint.p  
 Integrator: RTE  
 Smoothing : ON Filtering: 5  
 Sampling : 1 Min Area: 3 % of largest Peak  
 Start Thrs: 0.2 Max Peaks: 100  
 Stop Thrs : 0 Peak Location: TOP

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

Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101824.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF139991.D\data.ms

| peak<br># | R.T.<br>min | first<br>scan | max<br>scan | last<br>scan | PK<br>TY | peak<br>height | corr.<br>area | corr.<br>% max. | % of<br>total |
|-----------|-------------|---------------|-------------|--------------|----------|----------------|---------------|-----------------|---------------|
| 1         | 2.234       | 13            | 24          | 31           | rVB      | 81415          | 146620        | 2.78%           | 0.449%        |
| 2         | 5.134       | 509           | 517         | 525          | rVB      | 193943         | 322201        | 6.12%           | 0.987%        |
| 3         | 5.516       | 575           | 582         | 587          | rBV      | 3122725        | 4409664       | 83.71%          | 13.502%       |
| 4         | 6.510       | 744           | 751         | 756          | rBV      | 2966980        | 4349459       | 82.57%          | 13.317%       |
| 5         | 6.887       | 810           | 815         | 821          | rVB      | 696449         | 894857        | 16.99%          | 2.740%        |
| 6         | 7.451       | 904           | 911         | 916          | rBV      | 2051451        | 2947021       | 55.94%          | 9.023%        |
| 7         | 8.169       | 1027          | 1033        | 1038         | rBV      | 935332         | 1187285       | 22.54%          | 3.635%        |
| 8         | 9.245       | 1209          | 1216        | 1221         | rBV      | 3890823        | 5267877       | 100.00%         | 16.129%       |
| 9         | 9.928       | 1326          | 1332        | 1346         | rVB      | 1027470        | 1373676       | 26.08%          | 4.206%        |
| 10        | 10.716      | 1459          | 1466        | 1484         | rBV      | 2482772        | 3394559       | 64.44%          | 10.394%       |
| 11        | 11.410      | 1579          | 1584        | 1590         | rBV      | 1102228        | 1396849       | 26.52%          | 4.277%        |
| 12        | 12.998      | 1848          | 1854        | 1860         | rBV      | 3825439        | 5202454       | 98.76%          | 15.929%       |
| 13        | 14.051      | 2027          | 2033        | 2055         | rVB      | 752452         | 1019120       | 19.35%          | 3.120%        |
| 14        | 15.527      | 2278          | 2284        | 2298         | rVB      | 448263         | 748368        | 14.21%          | 2.291%        |

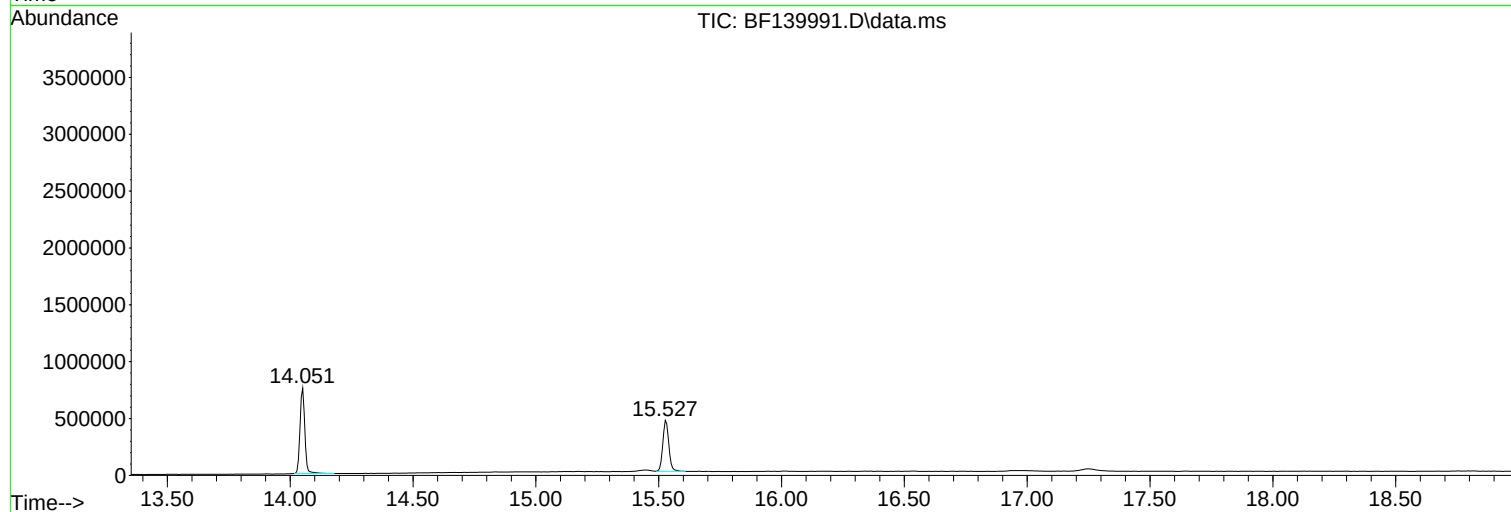
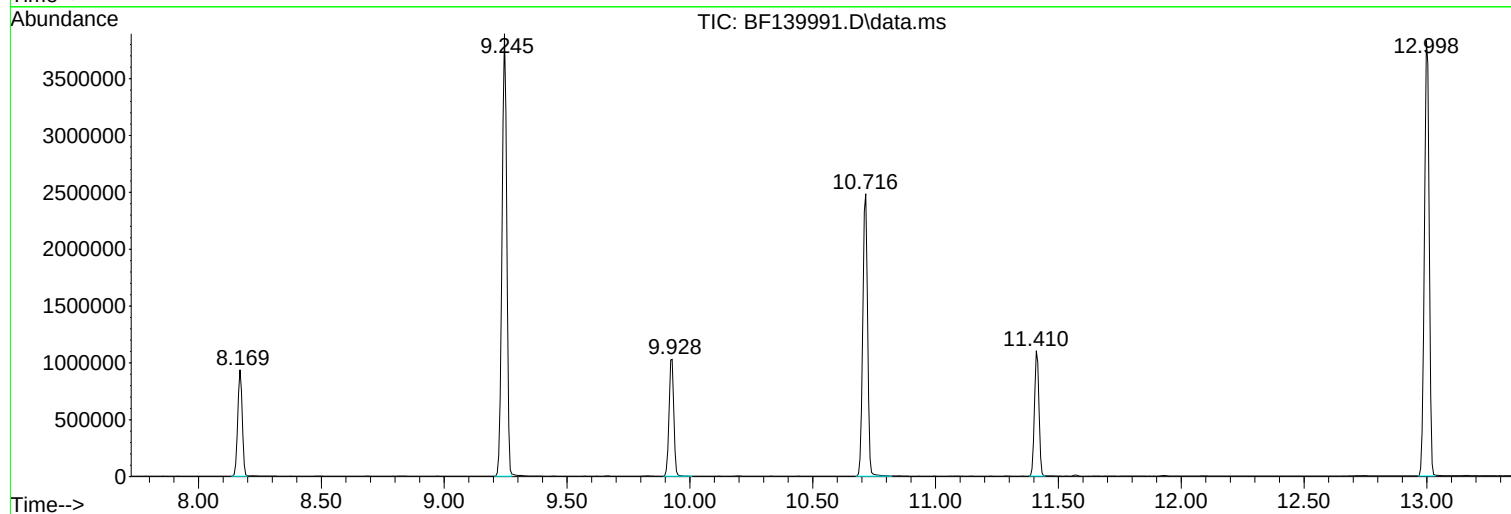
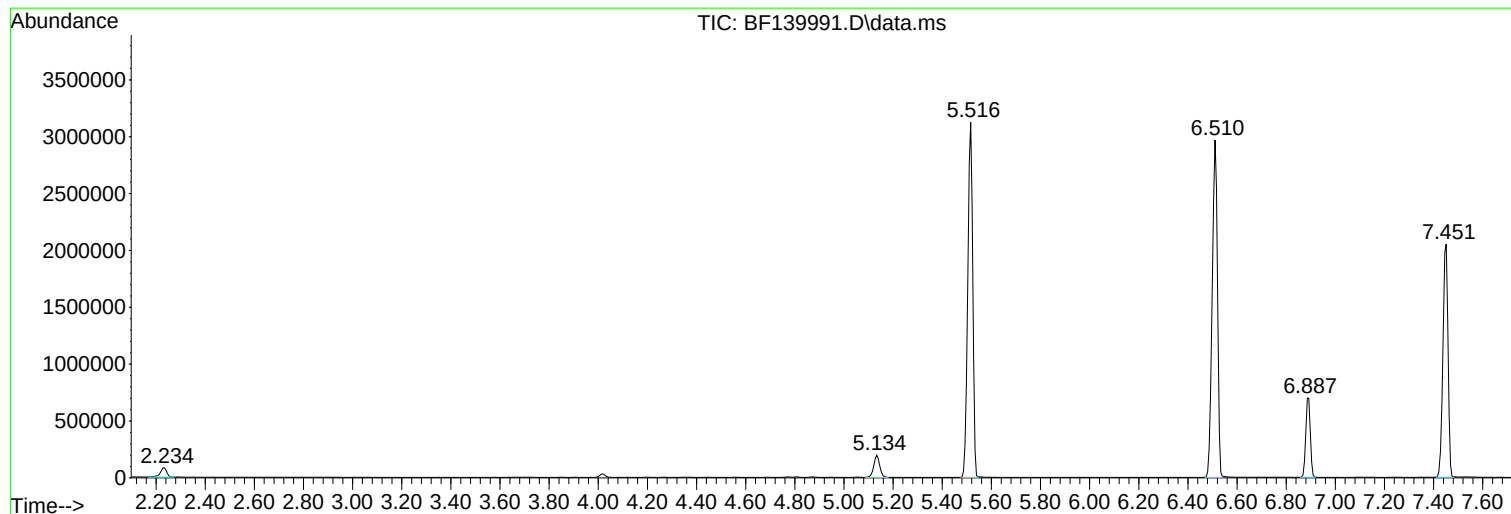
Sum of corrected areas: 32660010

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102424\  
Data File : BF139991.D  
Acq On : 24 Oct 2024 10:23  
Operator : RC/JU  
Sample : PB164312BL  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
PB164312BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101824.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102424\  
Data File : BF139991.D  
Acq On : 24 Oct 2024 10:23  
Operator : RC/JU  
Sample : PB164312BL  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
PB164312BL

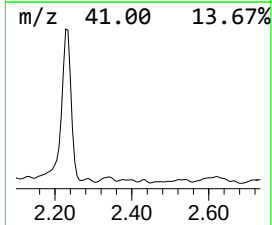
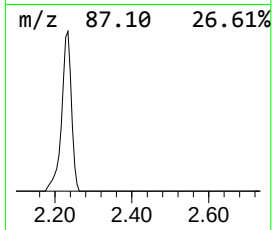
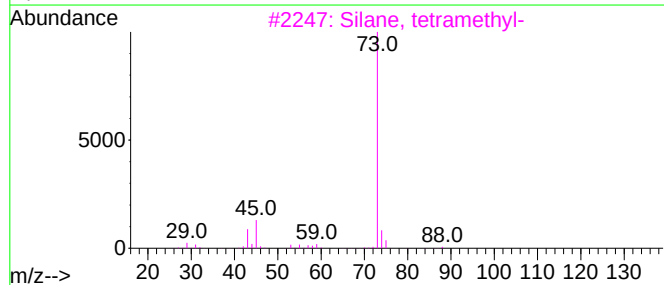
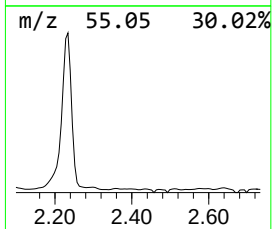
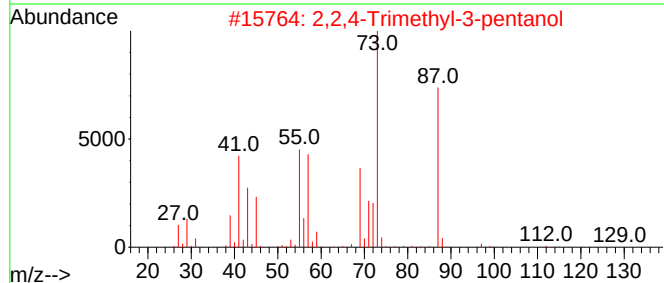
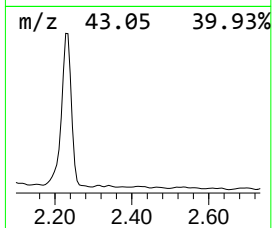
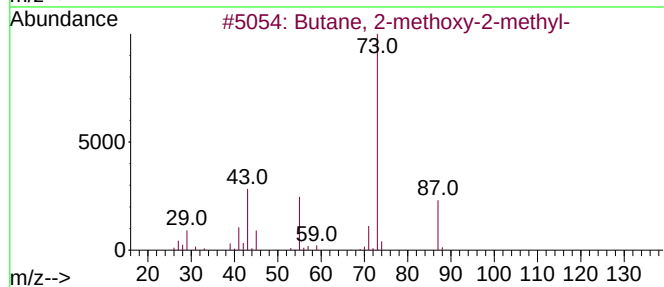
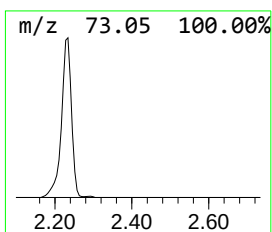
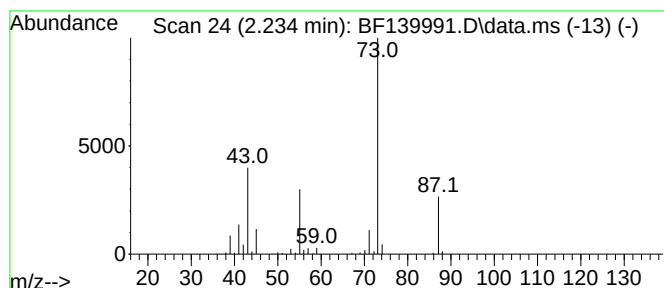
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101824.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 2

| R.T.  | EstConc | Area   | Relative to ISTD       | R.T.  |
|-------|---------|--------|------------------------|-------|
| 2.234 | 3.28 ng | 146620 | 1,4-Dichlorobenzene-d4 | 6.892 |

| Hit# | of | 5 | Tentative ID                     | MW  | MolForm  | CAS#        | Qual |
|------|----|---|----------------------------------|-----|----------|-------------|------|
| 1    |    |   | Butane, 2-methoxy-2-methyl-      | 102 | C6H14O   | 000994-05-8 | 83   |
| 2    |    |   | 2,2,4-Trimethyl-3-pentanol       | 130 | C8H18O   | 005162-48-1 | 39   |
| 3    |    |   | Silane, tetramethyl-             | 88  | C4H12Si  | 000075-76-3 | 38   |
| 4    |    |   | Octanal, 7-methoxy-3,7-dimethyl- | 186 | C11H22O2 | 003613-30-7 | 17   |
| 5    |    |   | Acetamide, N-ethyl-              | 87  | C4H9NO   | 000625-50-3 | 12   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102424\  
Data File : BF139991.D  
Acq On : 24 Oct 2024 10:23  
Operator : RC/JU  
Sample : PB164312BL  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
PB164312BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101824.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

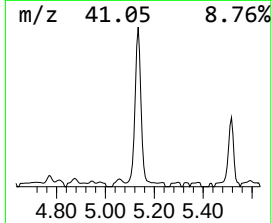
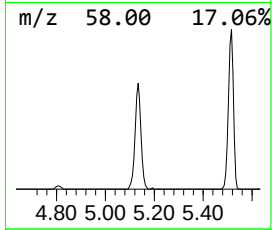
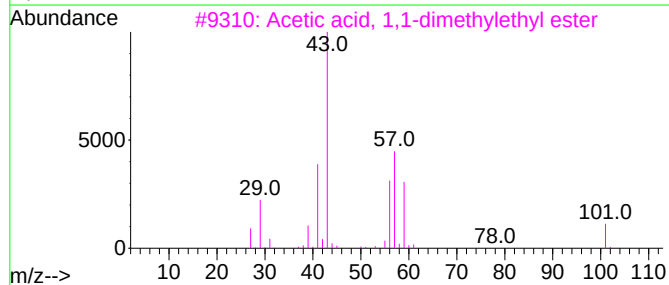
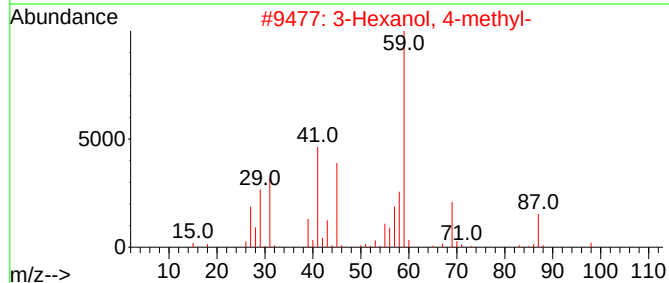
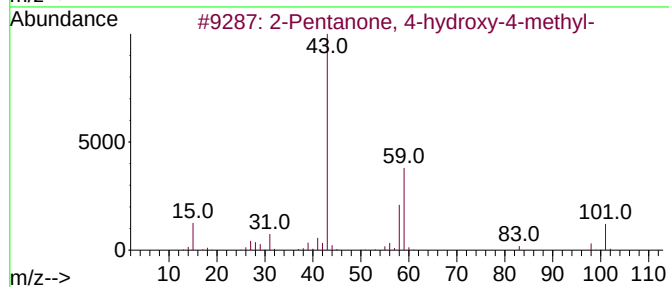
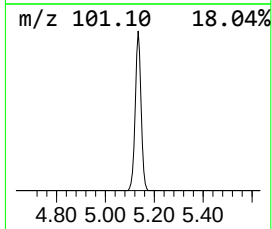
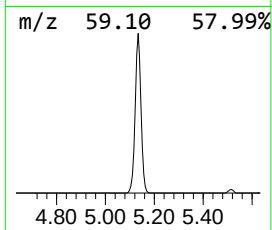
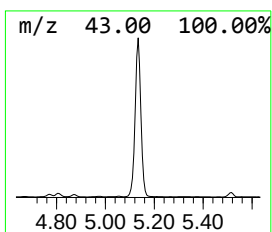
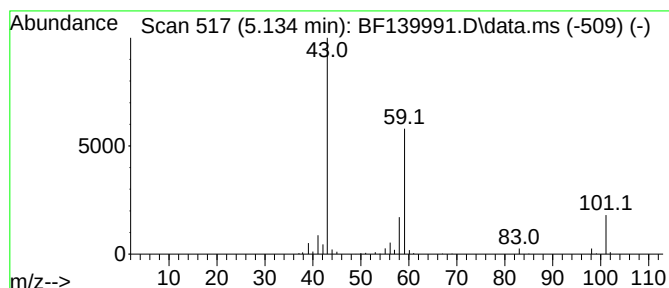
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 1

| R.T.  | EstConc | Area   | Relative to ISTD       | R.T.  |
|-------|---------|--------|------------------------|-------|
| 5.134 | 7.20 ng | 322201 | 1,4-Dichlorobenzene-d4 | 6.892 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|----------|-------------|------|
| 1    |    |   | 2-Pentanone, 4-hydroxy-4-methyl-    | 116 | C6H12O2  | 000123-42-2 | 59   |
| 2    |    |   | 3-Hexanol, 4-methyl-                | 116 | C7H16O   | 000615-29-2 | 33   |
| 3    |    |   | Acetic acid, 1,1-dimethylethyl e... | 116 | C6H12O2  | 000540-88-5 | 28   |
| 4    |    |   | Acetic acid, cyano-, 1,1-dimethy... | 141 | C7H11NO2 | 001116-98-9 | 25   |
| 5    |    |   | 1-Propen-2-ol, acetate              | 100 | C5H8O2   | 000108-22-5 | 12   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102424\  
Data File : BF139991.D  
Acq On : 24 Oct 2024 10:23  
Operator : RC/JU  
Sample : PB164312BL  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
PB164312BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101824.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

| TIC Top Hit name   | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|--------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                    |       |         |       |          | #                     | RT    | Resp   | Conc |
| Butane, 2-metho... | 2.234 | 3.3     | ng    | 146620   | 1                     | 6.892 | 894857 | 20.0 |
| 2-Pentanone, 4-... | 5.134 | 7.2     | ng    | 322201   | 1                     | 6.892 | 894857 | 20.0 |

## Report of Analysis

|                    |                              |                 |                              |
|--------------------|------------------------------|-----------------|------------------------------|
| Client:            | Portal Partners Tri-Venture  | Date Collected: |                              |
| Project:           | Amtrak Sawtooth Bridges 2024 | Date Received:  |                              |
| Client Sample ID:  | PB164312BS                   | SDG No.:        | P4471                        |
| Lab Sample ID:     | PB164312BS                   | Matrix:         | SOIL                         |
| Analytical Method: | SW8270                       | % Solid:        | 100                          |
| Sample Wt/Vol:     | 30.02      Units:    g       | Final Vol:      | 1000                      uL |
| Soil Aliquot Vol:  | uL                           | Test:           | SVOC-TCL BNA -20             |
| Extraction Type :  | Decanted :      N            | Level :         | LOW                          |
| Injection Volume : | GPC Factor :    1.0          | GPC Cleanup :   | N                      PH :  |
| Prep Method :      | SW3541                       |                 |                              |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BF139992.D        | 1         | 10/22/24 10:44 | 10/24/24 10:52 | PB164312      |

| CAS Number     | Parameter                   | Conc. | Qualifier | MDL  | LOQ / CRQL | Units(Dry Weight) |
|----------------|-----------------------------|-------|-----------|------|------------|-------------------|
| <b>TARGETS</b> |                             |       |           |      |            |                   |
| 100-52-7       | Benzaldehyde                | 500   |           | 180  | 330        | ug/Kg             |
| 108-95-2       | Phenol                      | 1500  |           | 82.8 | 170        | ug/Kg             |
| 111-44-4       | bis(2-Chloroethyl)ether     | 1500  |           | 83.6 | 170        | ug/Kg             |
| 95-57-8        | 2-Chlorophenol              | 1600  |           | 83.4 | 170        | ug/Kg             |
| 95-48-7        | 2-Methylphenol              | 1500  |           | 80.5 | 170        | ug/Kg             |
| 108-60-1       | 2,2-oxybis(1-Chloropropane) | 1500  |           | 90.8 | 170        | ug/Kg             |
| 98-86-2        | Acetophenone                | 1500  |           | 86.8 | 170        | ug/Kg             |
| 65794-96-9     | 3+4-Methylphenols           | 1500  |           | 79.7 | 330        | ug/Kg             |
| 621-64-7       | n-Nitroso-di-n-propylamine  | 1500  |           | 40.3 | 79.9       | ug/Kg             |
| 67-72-1        | Hexachloroethane            | 1500  |           | 82.9 | 170        | ug/Kg             |
| 98-95-3        | Nitrobenzene                | 1500  |           | 90.7 | 170        | ug/Kg             |
| 78-59-1        | Isophorone                  | 1600  |           | 84.5 | 170        | ug/Kg             |
| 88-75-5        | 2-Nitrophenol               | 1900  |           | 94.4 | 170        | ug/Kg             |
| 105-67-9       | 2,4-Dimethylphenol          | 1800  |           | 93.1 | 170        | ug/Kg             |
| 111-91-1       | bis(2-Chloroethoxy)methane  | 1600  |           | 85.7 | 170        | ug/Kg             |
| 120-83-2       | 2,4-Dichlorophenol          | 1600  |           | 75.4 | 170        | ug/Kg             |
| 91-20-3        | Naphthalene                 | 1500  |           | 82.5 | 170        | ug/Kg             |
| 106-47-8       | 4-Chloroaniline             | 1200  |           | 82.5 | 170        | ug/Kg             |
| 87-68-3        | Hexachlorobutadiene         | 1600  |           | 83.2 | 170        | ug/Kg             |
| 105-60-2       | Caprolactam                 | 1600  |           | 86.7 | 330        | ug/Kg             |
| 59-50-7        | 4-Chloro-3-methylphenol     | 1500  |           | 77.4 | 170        | ug/Kg             |
| 91-57-6        | 2-Methylnaphthalene         | 1600  |           | 82.4 | 170        | ug/Kg             |
| 77-47-4        | Hexachlorocyclopentadiene   | 6000  | E         | 160  | 330        | ug/Kg             |
| 88-06-2        | 2,4,6-Trichlorophenol       | 1700  |           | 71.4 | 170        | ug/Kg             |
| 95-95-4        | 2,4,5-Trichlorophenol       | 1600  |           | 74.0 | 170        | ug/Kg             |
| 92-52-4        | 1,1-Biphenyl                | 1500  |           | 87.3 | 170        | ug/Kg             |
| 91-58-7        | 2-Chloronaphthalene         | 1500  |           | 83.2 | 170        | ug/Kg             |
| 88-74-4        | 2-Nitroaniline              | 1700  |           | 94.9 | 170        | ug/Kg             |
| 131-11-3       | Dimethylphthalate           | 1600  |           | 81.6 | 170        | ug/Kg             |

## Report of Analysis

|                    |                              |                 |                              |
|--------------------|------------------------------|-----------------|------------------------------|
| Client:            | Portal Partners Tri-Venture  | Date Collected: |                              |
| Project:           | Amtrak Sawtooth Bridges 2024 | Date Received:  |                              |
| Client Sample ID:  | PB164312BS                   | SDG No.:        | P4471                        |
| Lab Sample ID:     | PB164312BS                   | Matrix:         | SOIL                         |
| Analytical Method: | SW8270                       | % Solid:        | 100                          |
| Sample Wt/Vol:     | 30.02      Units:    g       | Final Vol:      | 1000                      uL |
| Soil Aliquot Vol:  | uL                           | Test:           | SVOC-TCL BNA -20             |
| Extraction Type :  | Decanted :      N            | Level :         | LOW                          |
| Injection Volume : | GPC Factor :    1.0          | GPC Cleanup :   | N                      PH :  |
| Prep Method :      | SW3541                       |                 |                              |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BF139992.D        | 1         | 10/22/24 10:44 | 10/24/24 10:52 | PB164312      |

| CAS Number | Parameter                  | Conc. | Qualifier | MDL  | LOQ / CRQL | Units(Dry Weight) |
|------------|----------------------------|-------|-----------|------|------------|-------------------|
| 208-96-8   | Acenaphthylene             | 1600  |           | 86.4 | 170        | ug/Kg             |
| 606-20-2   | 2,6-Dinitrotoluene         | 1600  |           | 83.1 | 170        | ug/Kg             |
| 99-09-2    | 3-Nitroaniline             | 1300  |           | 89.1 | 170        | ug/Kg             |
| 83-32-9    | Acenaphthene               | 1700  |           | 81.0 | 170        | ug/Kg             |
| 51-28-5    | 2,4-Dinitrophenol          | 4300  | E         | 240  | 330        | ug/Kg             |
| 100-02-7   | 4-Nitrophenol              | 3400  | E         | 120  | 330        | ug/Kg             |
| 132-64-9   | Dibenzofuran               | 1500  |           | 84.3 | 170        | ug/Kg             |
| 121-14-2   | 2,4-Dinitrotoluene         | 1800  |           | 86.1 | 170        | ug/Kg             |
| 84-66-2    | Diethylphthalate           | 1500  |           | 80.0 | 170        | ug/Kg             |
| 7005-72-3  | 4-Chlorophenyl-phenylether | 1600  |           | 85.5 | 170        | ug/Kg             |
| 86-73-7    | Fluorene                   | 1500  |           | 85.4 | 170        | ug/Kg             |
| 100-01-6   | 4-Nitroaniline             | 1600  |           | 110  | 170        | ug/Kg             |
| 534-52-1   | 4,6-Dinitro-2-methylphenol | 2300  |           | 120  | 330        | ug/Kg             |
| 86-30-6    | n-Nitrosodiphenylamine     | 1500  |           | 81.5 | 170        | ug/Kg             |
| 101-55-3   | 4-Bromophenyl-phenylether  | 1600  |           | 78.8 | 170        | ug/Kg             |
| 118-74-1   | Hexachlorobenzene          | 1600  |           | 84.9 | 170        | ug/Kg             |
| 1912-24-9  | Atrazine                   | 1800  |           | 91.3 | 170        | ug/Kg             |
| 87-86-5    | Pentachlorophenol          | 3200  | E         | 77.2 | 330        | ug/Kg             |
| 85-01-8    | Phenanthrene               | 1600  |           | 83.9 | 170        | ug/Kg             |
| 120-12-7   | Anthracene                 | 1600  |           | 84.3 | 170        | ug/Kg             |
| 86-74-8    | Carbazole                  | 1500  |           | 80.2 | 170        | ug/Kg             |
| 84-74-2    | Di-n-butylphthalate        | 1500  |           | 84.2 | 170        | ug/Kg             |
| 206-44-0   | Fluoranthene               | 1500  |           | 81.6 | 170        | ug/Kg             |
| 129-00-0   | Pyrene                     | 1600  |           | 82.9 | 170        | ug/Kg             |
| 85-68-7    | Butylbenzylphthalate       | 1700  |           | 96.7 | 170        | ug/Kg             |
| 91-94-1    | 3,3-Dichlorobenzidine      | 1500  |           | 98.5 | 330        | ug/Kg             |
| 56-55-3    | Benzo(a)anthracene         | 1600  |           | 80.6 | 170        | ug/Kg             |
| 218-01-9   | Chrysene                   | 1600  |           | 79.4 | 170        | ug/Kg             |
| 117-81-7   | Bis(2-ethylhexyl)phthalate | 1700  |           | 90.9 | 170        | ug/Kg             |
| 117-84-0   | Di-n-octyl phthalate       | 1600  |           | 110  | 330        | ug/Kg             |
| 205-99-2   | Benzo(b)fluoranthene       | 1600  |           | 81.0 | 170        | ug/Kg             |

## Report of Analysis

|                    |                              |                 |                              |
|--------------------|------------------------------|-----------------|------------------------------|
| Client:            | Portal Partners Tri-Venture  | Date Collected: |                              |
| Project:           | Amtrak Sawtooth Bridges 2024 | Date Received:  |                              |
| Client Sample ID:  | PB164312BS                   | SDG No.:        | P4471                        |
| Lab Sample ID:     | PB164312BS                   | Matrix:         | SOIL                         |
| Analytical Method: | SW8270                       | % Solid:        | 100                          |
| Sample Wt/Vol:     | 30.02      Units:    g       | Final Vol:      | 1000                      uL |
| Soil Aliquot Vol:  | uL                           | Test:           | SVOC-TCL BNA -20             |
| Extraction Type :  | Decanted :      N            | Level :         | LOW                          |
| Injection Volume : | GPC Factor :    1.0          | GPC Cleanup :   | N                      PH :  |
| Prep Method :      | SW3541                       |                 |                              |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BF139992.D        | 1         | 10/22/24 10:44 | 10/24/24 10:52 | PB164312      |

| CAS Number                | Parameter                  | Conc.  | Qualifier | MDL                 | LOQ / CRQL | Units(Dry Weight) |
|---------------------------|----------------------------|--------|-----------|---------------------|------------|-------------------|
| 207-08-9                  | Benzo(k)fluoranthene       | 1500   |           | 82.5                | 170        | ug/Kg             |
| 50-32-8                   | Benzo(a)pyrene             | 1700   |           | 92.9                | 170        | ug/Kg             |
| 193-39-5                  | Indeno(1,2,3-cd)pyrene     | 1800   |           | 78.0                | 170        | ug/Kg             |
| 53-70-3                   | Dibenzo(a,h)anthracene     | 1800   |           | 81.1                | 170        | ug/Kg             |
| 191-24-2                  | Benzo(g,h,i)perylene       | 1700   |           | 80.0                | 170        | ug/Kg             |
| 95-94-3                   | 1,2,4,5-Tetrachlorobenzene | 1600   |           | 86.7                | 170        | ug/Kg             |
| 123-91-1                  | 1,4-Dioxane                | 1300   |           | 110                 | 170        | ug/Kg             |
| 58-90-2                   | 2,3,4,6-Tetrachlorophenol  | 1700   |           | 74.7                | 170        | ug/Kg             |
| <b>SURROGATES</b>         |                            |        |           |                     |            |                   |
| 367-12-4                  | 2-Fluorophenol             | 129    |           | 30 (18) - 130 (112) | 86%        | SPK: 150          |
| 13127-88-3                | Phenol-d6                  | 126    |           | 30 (15) - 130 (107) | 84%        | SPK: 150          |
| 4165-60-0                 | Nitrobenzene-d5            | 99.4   |           | 30 (18) - 130 (107) | 99%        | SPK: 100          |
| 321-60-8                  | 2-Fluorobiphenyl           | 93.9   |           | 30 (20) - 130 (109) | 94%        | SPK: 100          |
| 118-79-6                  | 2,4,6-Tribromophenol       | 157    |           | 30 (10) - 130 (116) | 104%       | SPK: 150          |
| 1718-51-0                 | Terphenyl-d14              | 105    |           | 30 (10) - 130 (105) | 105%       | SPK: 100          |
| <b>INTERNAL STANDARDS</b> |                            |        |           |                     |            |                   |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4     | 159000 | 6.892     |                     |            |                   |
| 1146-65-2                 | Naphthalene-d8             | 606000 | 8.175     |                     |            |                   |
| 15067-26-2                | Acenaphthene-d10           | 338000 | 9.927     |                     |            |                   |
| 1517-22-2                 | Phenanthrene-d10           | 592000 | 11.416    |                     |            |                   |
| 1719-03-5                 | Chrysene-d12               | 292000 | 14.057    |                     |            |                   |
| 1520-96-3                 | Perylene-d12               | 315000 | 15.533    |                     |            |                   |

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



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102424\  
 Data File : BF139992.D  
 Acq On : 24 Oct 2024 10:52  
 Operator : RC/JU  
 Sample : PB164312BS  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB164312BS

Quant Time: Oct 24 11:20:25 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101824.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Oct 18 15:07:50 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.892  | 152  | 158670   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.175  | 136  | 605986   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.927  | 164  | 338004   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.416 | 188  | 591954   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.057 | 240  | 292113   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.533 | 264  | 314861   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.522  | 112  | 1308935  | 129.144 | ng    | 0.02     |
| 7) Phenol-d6                  | 6.516  | 99   | 1648944  | 125.614 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.451  | 82   | 1086965  | 99.414  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.722 | 330  | 494913   | 156.540 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.251  | 172  | 1920305  | 93.895  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.998 | 244  | 1881226  | 104.940 | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.775  | 88   | 180701   | 38.238  | ng    | 93       |
| 3) Pyridine                   | 3.528  | 79   | 476327   | 40.665  | ng    | 96       |
| 4) n-Nitrosodimethylamine     | 3.481  | 42   | 264705   | 42.061  | ng    | 94       |
| 6) Aniline                    | 6.551  | 93   | 590576   | 48.273  | ng    | 99       |
| 8) 2-Chlorophenol             | 6.675  | 128  | 500078   | 48.263  | ng    | 97       |
| 9) Benzaldehyde               | 6.439  | 77   | 110010   | 14.897  | ng    | 98       |
| 10) Phenol                    | 6.534  | 94   | 605793m  | 44.763  | ng    |          |
| 11) bis(2-Chloroethyl)ether   | 6.628  | 93   | 480190   | 45.906  | ng    | 99       |
| 12) 1,3-Dichlorobenzene       | 6.834  | 146  | 537956   | 45.228  | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 6.910  | 146  | 540145   | 45.455  | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 7.063  | 146  | 523441   | 47.197  | ng    | 98       |
| 15) Benzyl Alcohol            | 7.028  | 79   | 454342   | 47.184  | ng    | 99       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.163  | 45   | 786365   | 44.088  | ng    | 97       |
| 17) 2-Methylphenol            | 7.139  | 107  | 405261   | 45.868  | ng    | 100      |
| 18) Hexachloroethane          | 7.404  | 117  | 194546   | 45.910  | ng    | 97       |
| 19) n-Nitroso-di-n-propyla... | 7.304  | 70   | 361075   | 45.352  | ng    | 96       |
| 20) 3+4-Methylphenols         | 7.292  | 107  | 492067   | 43.542  | ng    | # 81     |
| 22) Acetophenone              | 7.298  | 105  | 677280   | 45.631  | ng    | 99       |
| 24) Nitrobenzene              | 7.475  | 77   | 542543   | 45.258  | ng    | 98       |
| 25) Isophorone                | 7.710  | 82   | 983786   | 47.406  | ng    | 100      |
| 26) 2-Nitrophenol             | 7.786  | 139  | 262619   | 58.071  | ng    | 95       |
| 27) 2,4-Dimethylphenol        | 7.822  | 122  | 412612   | 54.717  | ng    | 99       |
| 28) bis(2-Chloroethoxy)met... | 7.922  | 93   | 586376   | 46.637  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 8.028  | 162  | 408904   | 47.607  | ng    | 98       |
| 30) 1,2,4-Trichlorobenzene    | 8.110  | 180  | 439184   | 46.210  | ng    | 99       |
| 31) Naphthalene               | 8.192  | 128  | 1446510  | 46.284  | ng    | 100      |
| 32) Benzoic acid              | 7.939  | 122  | 317111   | 48.215  | ng    | 95       |
| 33) 4-Chloroaniline           | 8.239  | 127  | 379752   | 35.634  | ng    | 98       |
| 34) Hexachlorobutadiene       | 8.310  | 225  | 283363   | 47.452  | ng    | 99       |
| 35) Caprolactam               | 8.610  | 113  | 129458m  | 47.402  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 8.716  | 107  | 442021   | 46.476  | ng    | 98       |
| 37) 2-Methylnaphthalene       | 8.886  | 142  | 907765   | 47.426  | ng    | 99       |
| 38) 1-Methylnaphthalene       | 8.986  | 142  | 843621   | 44.923  | ng    | 100      |
| 40) 1,2,4,5-Tetrachloroben... | 9.051  | 216  | 429093   | 47.056  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 9.039  | 237  | 572352   | 180.387 | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 9.163  | 196  | 319801   | 49.535  | ng    | 99       |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102424\  
 Data File : BF139992.D  
 Acq On : 24 Oct 2024 10:52  
 Operator : RC/JU  
 Sample : PB164312BS  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB164312BS

Quant Time: Oct 24 11:20:25 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101824.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Oct 18 15:07:50 2024  
 Response via : Initial Calibration

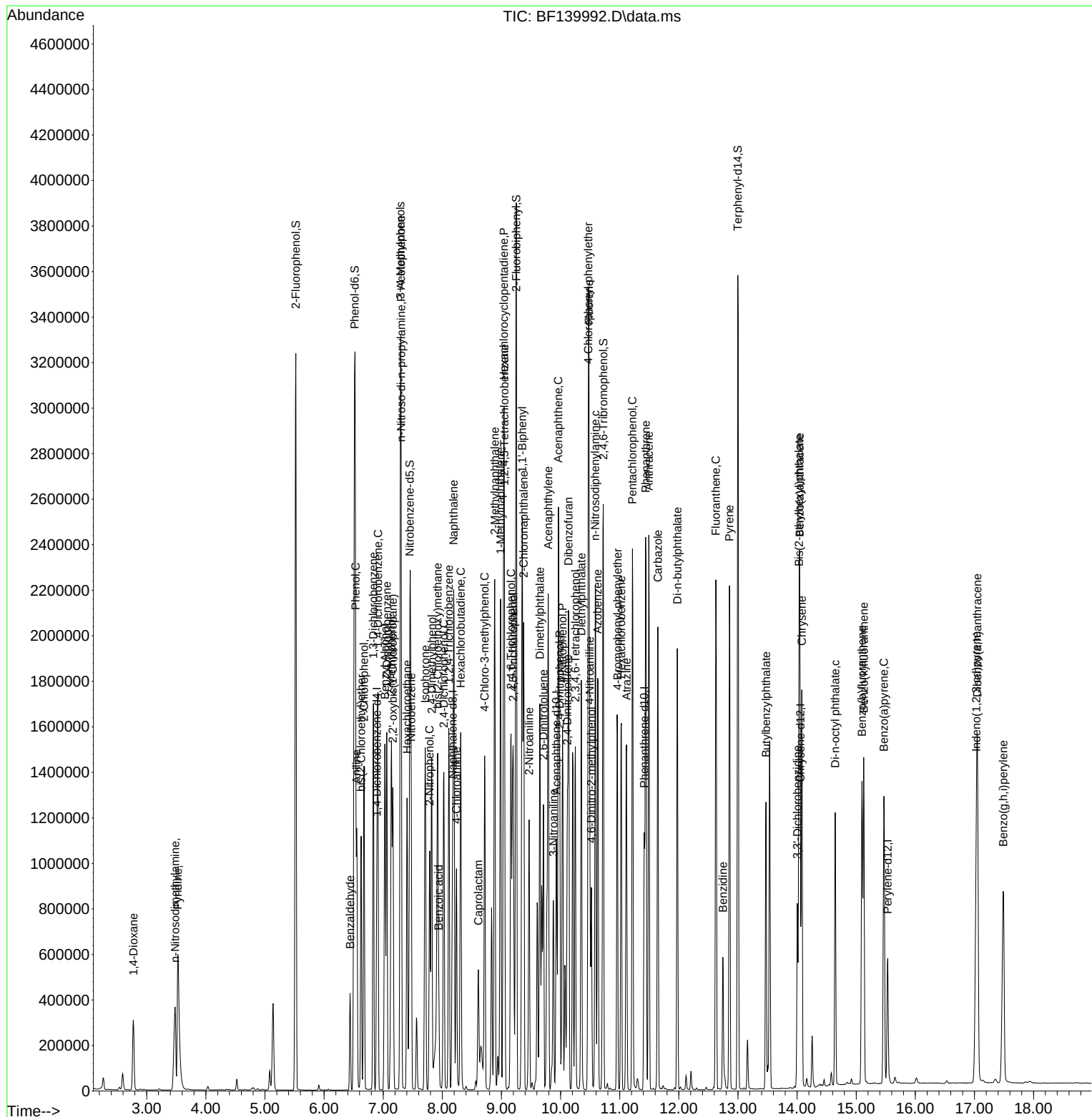
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.198  | 196  | 315968   | 47.437  | ng    | 99       |
| 46) 1,1'-Biphenyl             | 9.351  | 154  | 1081469  | 45.961  | ng    | 100      |
| 47) 2-Chloronaphthalene       | 9.375  | 162  | 865022   | 45.644  | ng    | 99       |
| 48) 2-Nitroaniline            | 9.469  | 65   | 293375   | 50.615  | ng    | 92       |
| 49) Acenaphthylene            | 9.792  | 152  | 1341986  | 48.981  | ng    | 100      |
| 50) Dimethylphthalate         | 9.651  | 163  | 1002087  | 47.597  | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 9.710  | 165  | 219806   | 48.219  | ng    | 98       |
| 52) Acenaphthene              | 9.963  | 154  | 929324   | 52.434  | ng    | 99       |
| 53) 3-Nitroaniline            | 9.880  | 138  | 180179   | 38.328  | ng    | 95       |
| 54) 2,4-Dinitrophenol         | 9.986  | 184  | 253310   | 129.360 | ng    | # 1      |
| 55) Dibenzofuran              | 10.133 | 168  | 1173942  | 46.165  | ng    | 99       |
| 56) 4-Nitrophenol             | 10.033 | 139  | 364335   | 100.737 | ng    | 99       |
| 57) 2,4-Dinitrotoluene        | 10.116 | 165  | 299344   | 53.399  | ng    | 95       |
| 58) Fluorene                  | 10.480 | 166  | 887613   | 45.828  | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.251 | 232  | 264175   | 50.592  | ng    | 97       |
| 60) Diethylphthalate          | 10.351 | 149  | 948009   | 45.861  | ng    | 100      |
| 61) 4-Chlorophenyl-phenyle... | 10.469 | 204  | 456284   | 46.650  | ng    | 98       |
| 62) 4-Nitroaniline            | 10.492 | 138  | 218664   | 49.250  | ng    | 97       |
| 63) Azobenzene                | 10.627 | 77   | 989662   | 45.159  | ng    | 98       |
| 65) 4,6-Dinitro-2-methylph... | 10.522 | 198  | 166902   | 69.123  | ng    | 91       |
| 66) n-Nitrosodiphenylamine    | 10.586 | 169  | 819107   | 46.233  | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 10.963 | 248  | 296668   | 48.648  | ng    | 94       |
| 68) Hexachlorobenzene         | 11.027 | 284  | 328315   | 47.870  | ng    | 96       |
| 69) Atrazine                  | 11.116 | 200  | 266196   | 55.466  | ng    | 99       |
| 70) Pentachlorophenol         | 11.216 | 266  | 403359   | 96.904  | ng    | 98       |
| 71) Phenanthrene              | 11.439 | 178  | 1310493  | 46.868  | ng    | 100      |
| 72) Anthracene                | 11.492 | 178  | 1322483  | 48.475  | ng    | 100      |
| 73) Carbazole                 | 11.645 | 167  | 1132071  | 44.618  | ng    | 99       |
| 74) Di-n-butylphthalate       | 11.974 | 149  | 1350031  | 46.055  | ng    | 100      |
| 75) Fluoranthene              | 12.627 | 202  | 1261587  | 44.631  | ng    | 99       |
| 77) Benzidine                 | 12.745 | 184  | 334255   | 69.588  | ng    | 99       |
| 78) Pyrene                    | 12.857 | 202  | 1259310  | 49.250  | ng    | 100      |
| 80) Butylbenzylphthalate      | 13.474 | 149  | 394925   | 51.518  | ng    | 98       |
| 81) Benzo(a)anthracene        | 14.045 | 228  | 918683   | 48.312  | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 14.004 | 252  | 245591   | 44.296  | ng    | 99       |
| 83) Chrysene                  | 14.080 | 228  | 844559   | 48.440  | ng    | 100      |
| 84) Bis(2-ethylhexyl)phtha... | 14.033 | 149  | 450798   | 52.414  | ng    | 99       |
| 85) Di-n-octyl phthalate      | 14.645 | 149  | 771205   | 49.299  | ng    | 96       |
| 87) Indeno(1,2,3-cd)pyrene    | 17.033 | 276  | 1098295  | 54.221  | ng    | 98       |
| 88) Benzo(b)fluoranthene      | 15.098 | 252  | 921966   | 48.069  | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 15.127 | 252  | 724415   | 43.795  | ng    | 99       |
| 90) Benzo(a)pyrene            | 15.468 | 252  | 803529   | 50.915  | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 17.051 | 278  | 903618   | 53.475  | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 17.486 | 276  | 855224   | 50.669  | ng    | 99       |

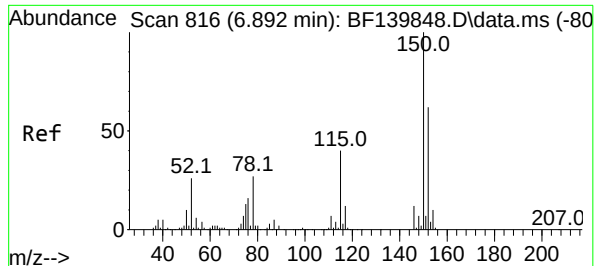
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102424\  
Data File : BF139992.D  
Acq On : 24 Oct 2024 10:52  
Operator : RC/JU  
Sample : PB164312BS  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**  
BNA\_F  
**ClientSampleId :**  
PB164312BS

Quant Time: Oct 24 11:20:25 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101824.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Oct 18 15:07:50 2024  
Response via : Initial Calibration

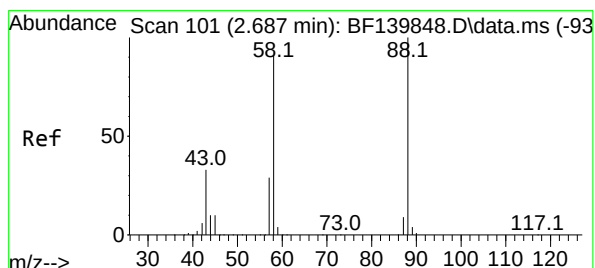
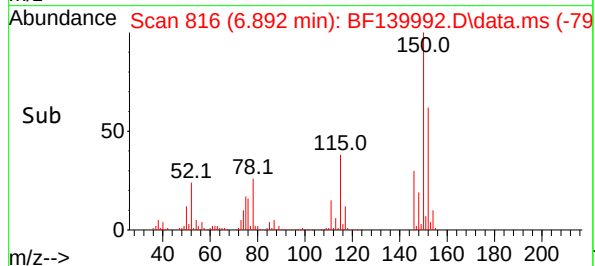
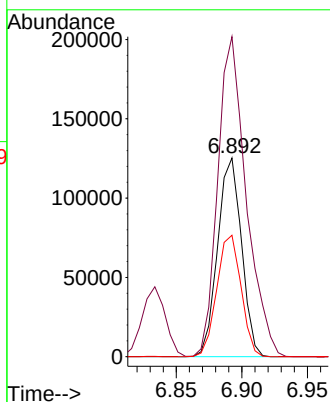
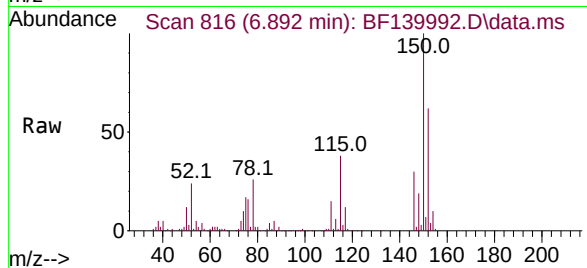




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.892 min Scan# 816  
Delta R.T. 0.000 min  
Lab File: BF139992.D  
Acq: 24 Oct 2024 10:52

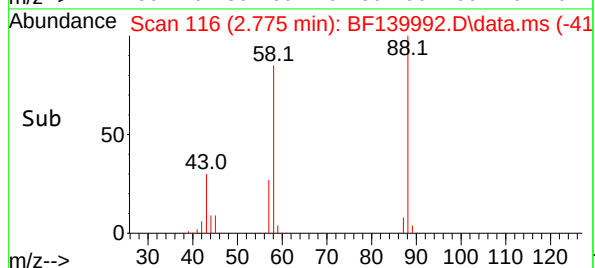
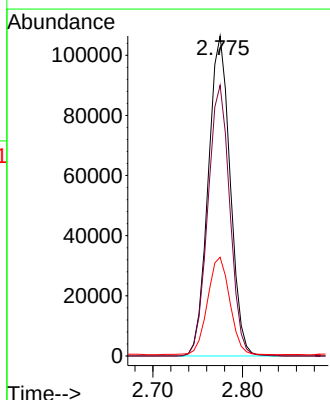
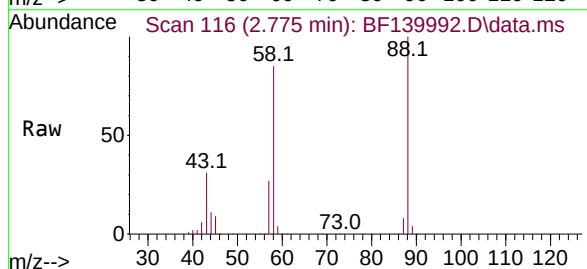
Instrument :  
BNA\_F  
ClientSampleId :  
PB164312BS

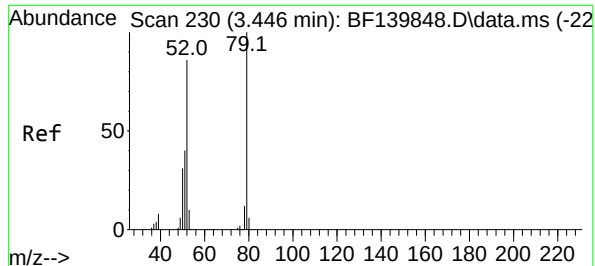
Tgt Ion:152 Resp: 158670  
Ion Ratio Lower Upper  
152 100  
150 161.0 130.2 195.2  
115 61.1 51.4 77.2



#2  
1,4-Dioxane  
Concen: 38.238 ng  
RT: 2.775 min Scan# 116  
Delta R.T. 0.088 min  
Lab File: BF139992.D  
Acq: 24 Oct 2024 10:52

Tgt Ion: 88 Resp: 180701  
Ion Ratio Lower Upper  
88 100  
58 84.6 73.3 109.9  
43 31.0 27.1 40.7





#3

Pyridine

Concen: 40.665 ng

RT: 3.528 min Scan# 24

Delta R.T. 0.082 min

Lab File: BF139992.D

Acq: 24 Oct 2024 10:52

Instrument :

BNA\_F

ClientSampleId :

PB164312BS

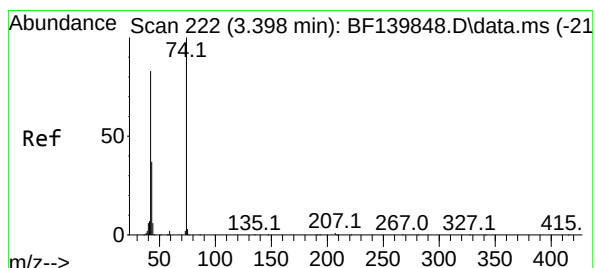
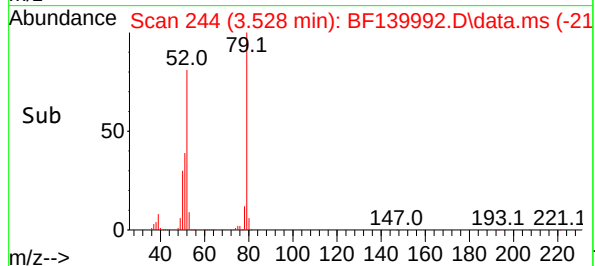
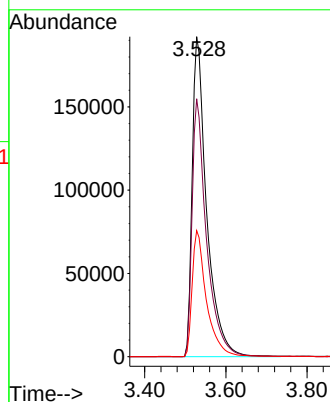
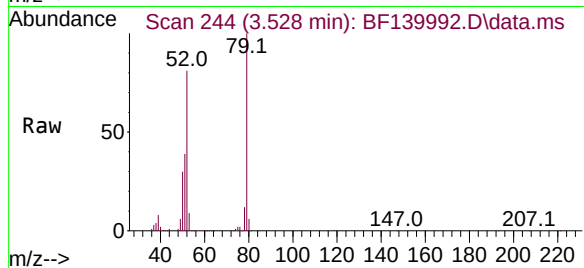
Tgt Ion: 79 Resp: 476327

Ion Ratio Lower Upper

79 100

52 80.6 68.5 102.7

51 39.4 32.3 48.5



#4

n-Nitrosodimethylamine

Concen: 42.061 ng

RT: 3.481 min Scan# 236

Delta R.T. 0.082 min

Lab File: BF139992.D

Acq: 24 Oct 2024 10:52

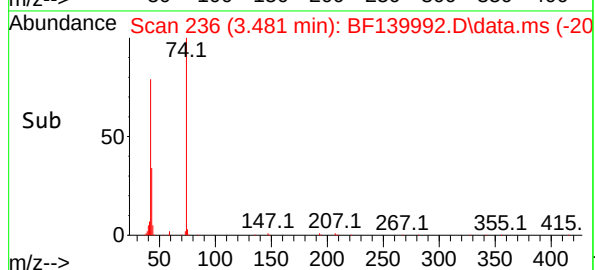
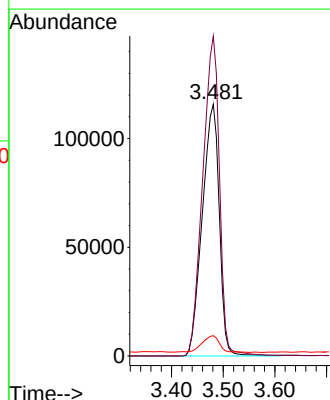
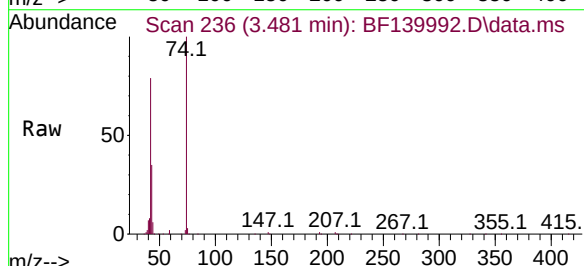
Tgt Ion: 42 Resp: 264705

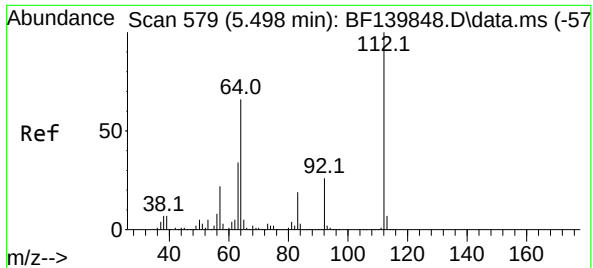
Ion Ratio Lower Upper

42 100

74 127.0 96.2 144.4

44 8.1 6.2 9.2

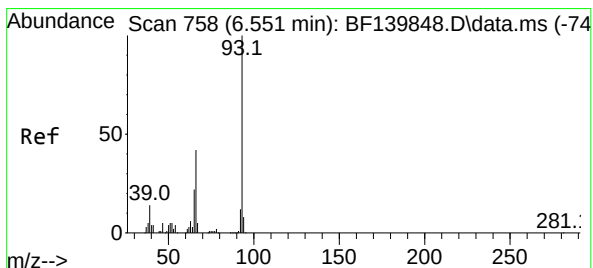
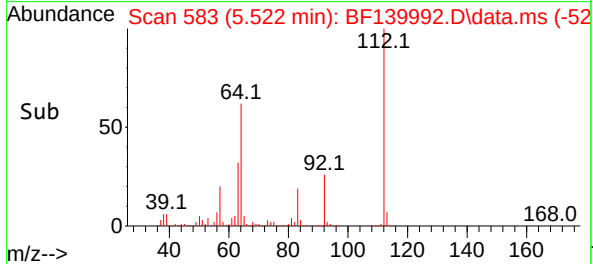
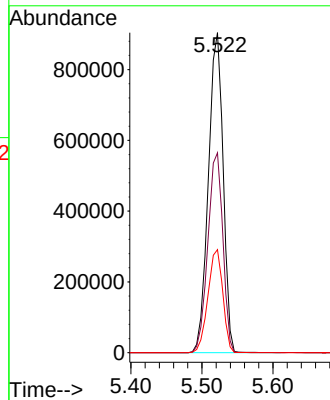
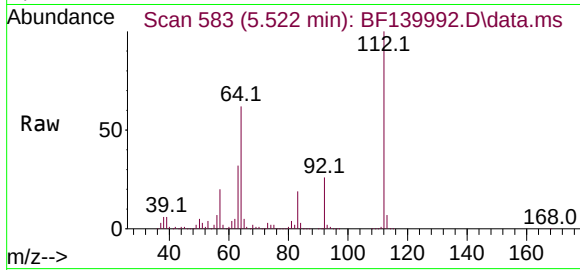




#5  
2-Fluorophenol  
Concen: 129.144 ng  
RT: 5.522 min Scan# 583  
Delta R.T. 0.024 min  
Lab File: BF139992.D  
Acq: 24 Oct 2024 10:52

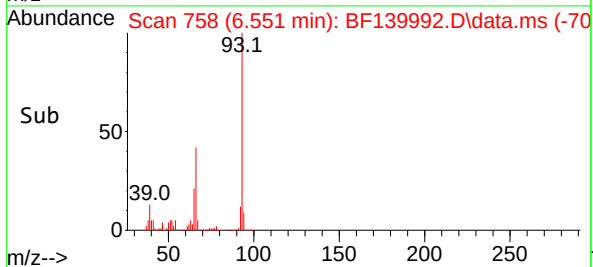
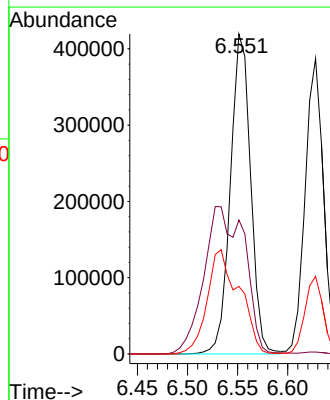
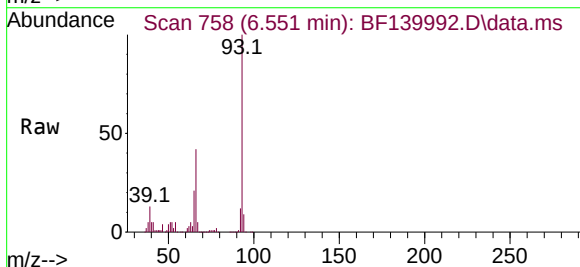
Instrument :  
BNA\_F  
ClientSampleId :  
PB164312BS

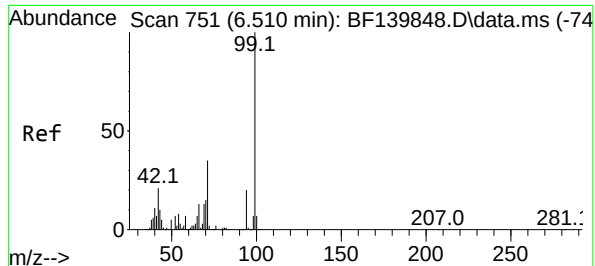
Tgt Ion:112 Resp: 1308935  
Ion Ratio Lower Upper  
112 100  
64 62.4 53.0 79.6  
63 32.2 27.0 40.4



#6  
Aniline  
Concen: 48.273 ng  
RT: 6.551 min Scan# 758  
Delta R.T. 0.000 min  
Lab File: BF139992.D  
Acq: 24 Oct 2024 10:52

Tgt Ion: 93 Resp: 590576  
Ion Ratio Lower Upper  
93 100  
66 41.9 34.0 51.0  
65 21.1 17.4 26.0

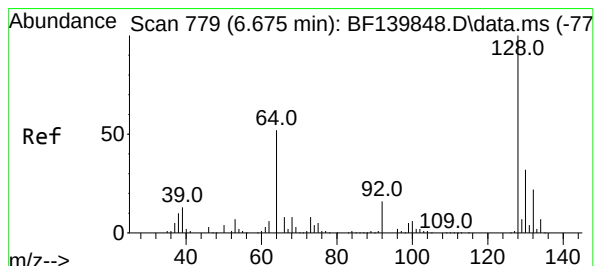
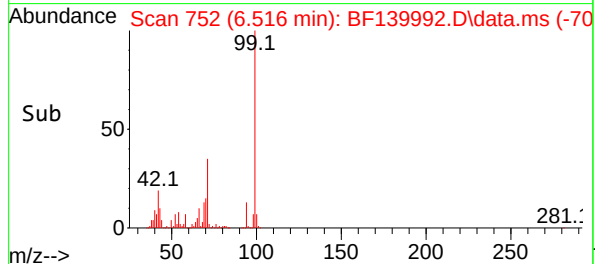
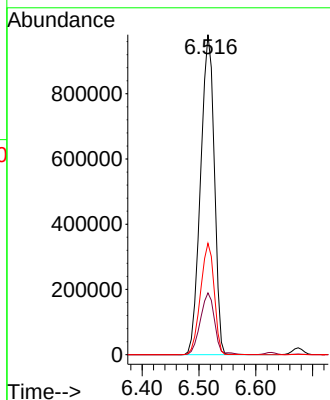
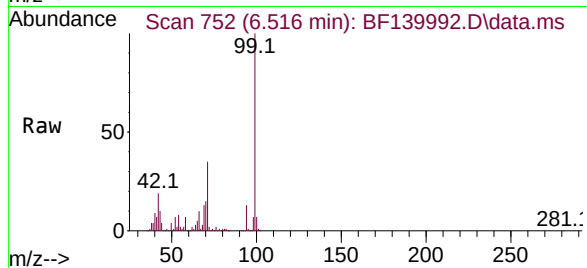




#7  
Phenol-d6  
Concen: 125.614 ng  
RT: 6.516 min Scan# 751  
Delta R.T. 0.006 min  
Lab File: BF139992.D  
Acq: 24 Oct 2024 10:52

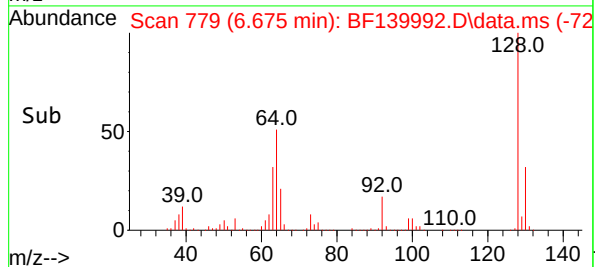
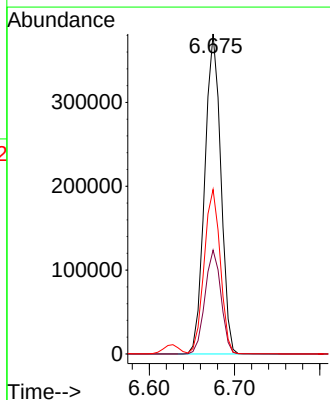
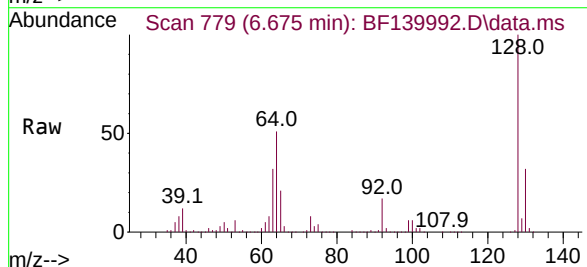
Instrument :  
BNA\_F  
ClientSampleId :  
PB164312BS

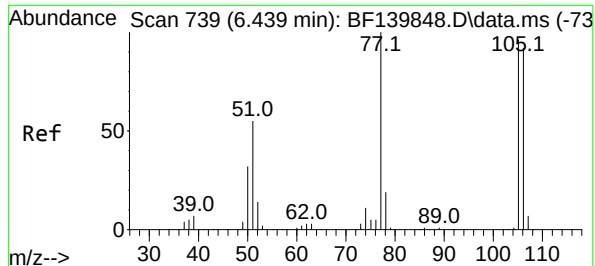
Tgt Ion: 99 Resp: 1648944  
Ion Ratio Lower Upper  
99 100  
42 19.3 16.7 25.1  
71 34.8 27.7 41.5



#8  
2-Chlorophenol  
Concen: 48.263 ng  
RT: 6.675 min Scan# 779  
Delta R.T. 0.000 min  
Lab File: BF139992.D  
Acq: 24 Oct 2024 10:52

Tgt Ion:128 Resp: 500078  
Ion Ratio Lower Upper  
128 100  
130 32.5 12.3 52.3  
64 51.4 34.6 74.6





#9

Benzaldehyde

Concen: 14.897 ng

RT: 6.439 min Scan# 71

Delta R.T. 0.000 min

Lab File: BF139992.D

Acq: 24 Oct 2024 10:52

Instrument :

BNA\_F

ClientSampleId :

PB164312BS

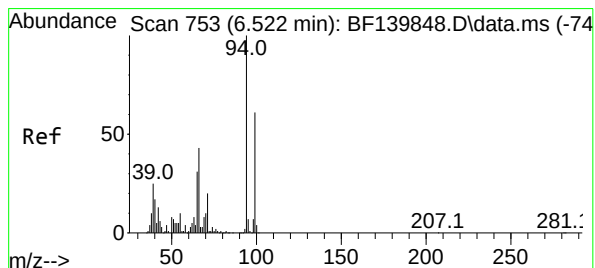
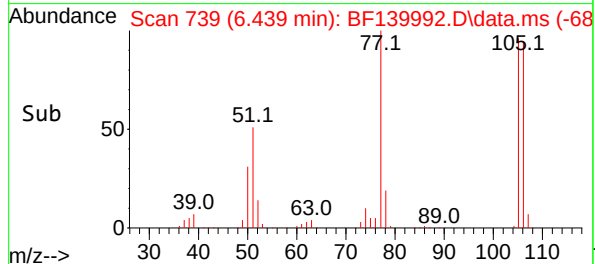
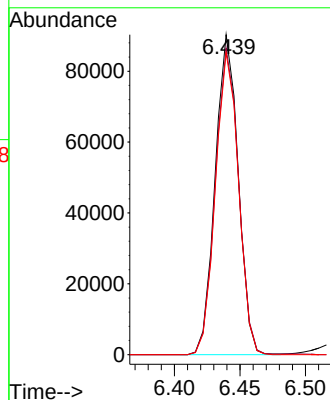
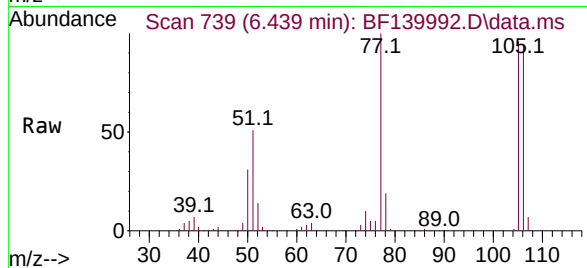
Tgt Ion: 77 Resp: 110010

Ion Ratio Lower Upper

77 100

105 95.8 75.5 115.5

106 94.4 71.7 111.7



#10

Phenol

Concen: 44.763 ng m

RT: 6.534 min Scan# 755

Delta R.T. 0.012 min

Lab File: BF139992.D

Acq: 24 Oct 2024 10:52

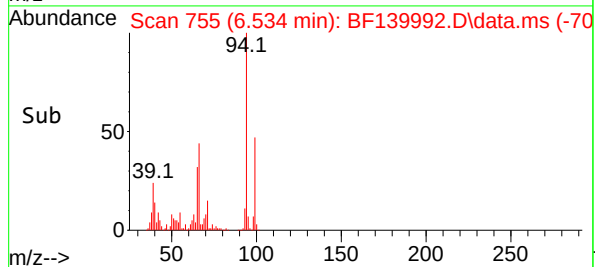
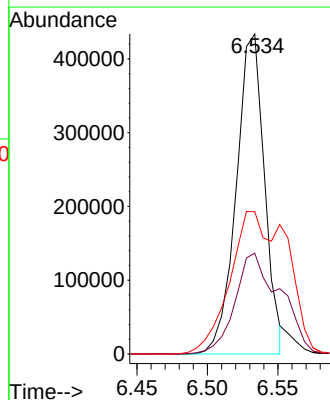
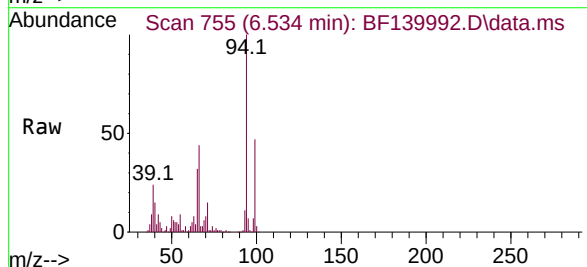
Tgt Ion: 94 Resp: 605793

Ion Ratio Lower Upper

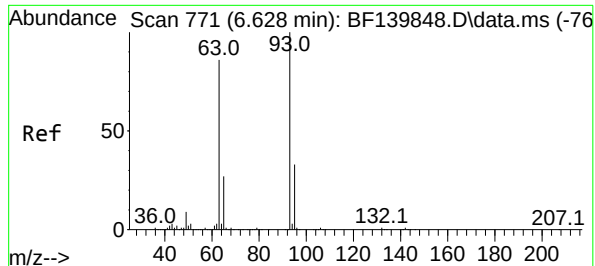
94 100

65 31.5 11.1 51.1

66 44.5 22.7 62.7







#11

bis(2-Chloroethyl)ether

Concen: 45.906 ng

RT: 6.628 min Scan# 771

Delta R.T. 0.000 min

Lab File: BF139992.D

Acq: 24 Oct 2024 10:52

Instrument :

BNA\_F

ClientSampleId :

PB164312BS

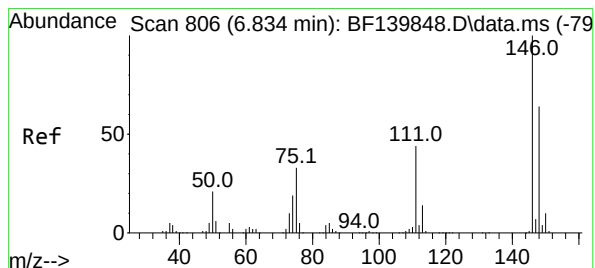
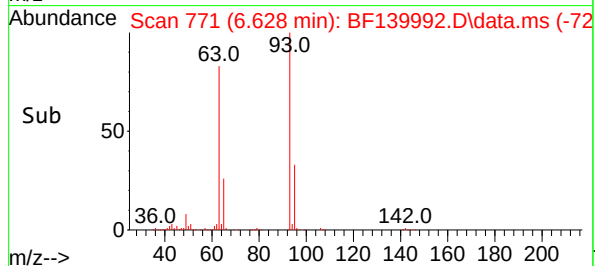
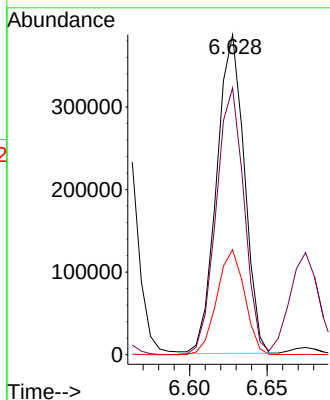
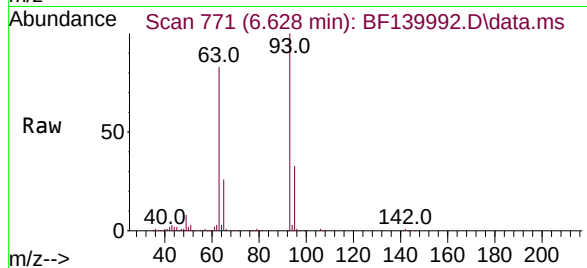
Tgt Ion: 93 Resp: 480190

Ion Ratio Lower Upper

93 100

63 83.4 65.0 105.0

95 32.8 12.4 52.4



#12

1,3-Dichlorobenzene

Concen: 45.228 ng

RT: 6.834 min Scan# 806

Delta R.T. 0.000 min

Lab File: BF139992.D

Acq: 24 Oct 2024 10:52

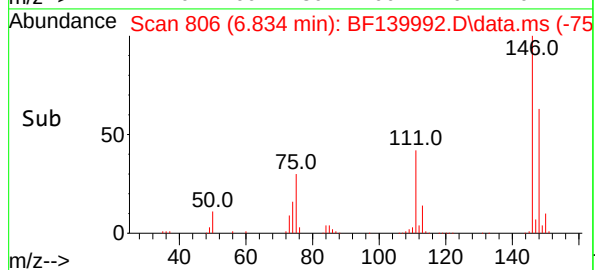
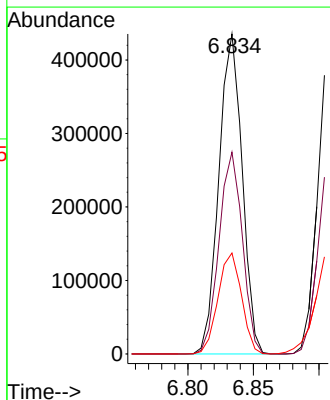
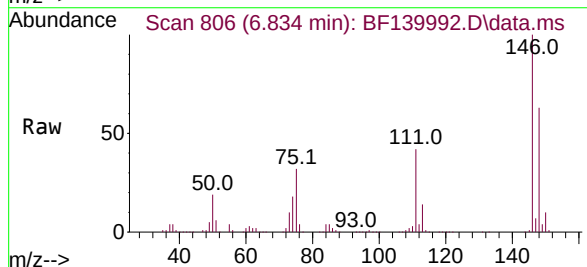
Tgt Ion:146 Resp: 537956

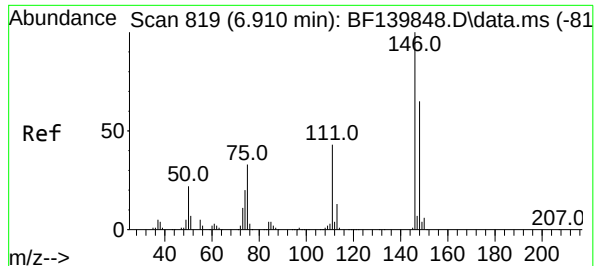
Ion Ratio Lower Upper

146 100

148 63.1 51.0 76.4

75 31.6 26.4 39.6

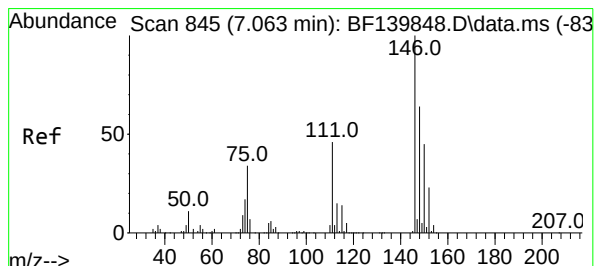
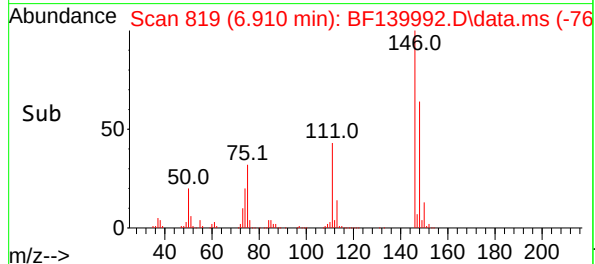
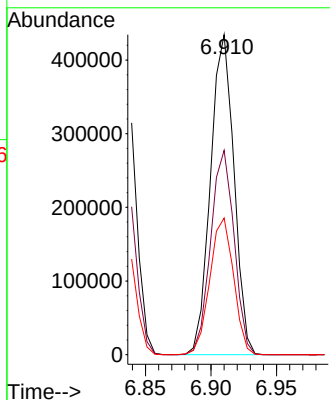
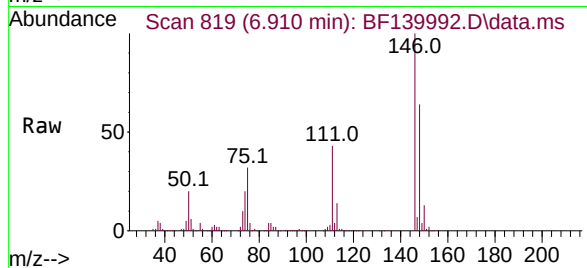




#13  
1,4-Dichlorobenzene  
Concen: 45.455 ng  
RT: 6.910 min Scan# 819  
Delta R.T. 0.000 min  
Lab File: BF139992.D  
Acq: 24 Oct 2024 10:52

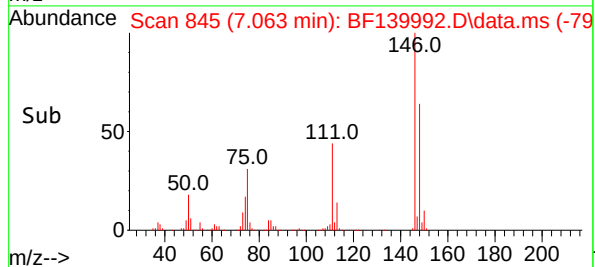
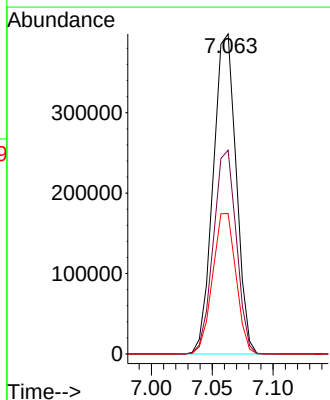
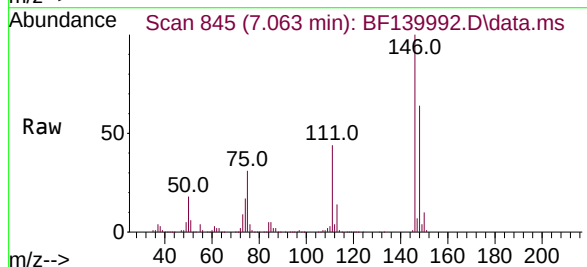
Instrument :  
BNA\_F  
ClientSampleId :  
PB164312BS

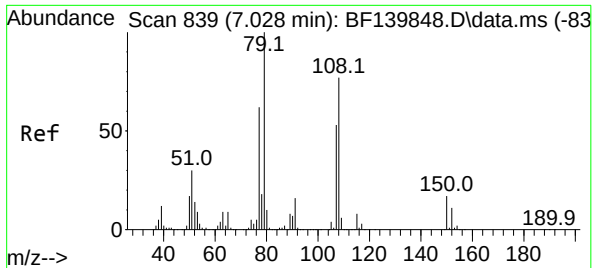
| Tgt Ion:  | 146   | Resp: | 540145 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 148       | 63.8  | 51.8  | 77.8   |
| 111       | 42.7  | 34.6  | 51.8   |



#14  
1,2-Dichlorobenzene  
Concen: 47.197 ng  
RT: 7.063 min Scan# 845  
Delta R.T. 0.000 min  
Lab File: BF139992.D  
Acq: 24 Oct 2024 10:52

| Tgt Ion:  | 146   | Resp: | 523441 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 148       | 63.6  | 51.4  | 77.2   |
| 111       | 43.9  | 36.7  | 55.1   |





#15

Benzyl Alcohol

Concen: 47.184 ng

RT: 7.028 min Scan# 81

Delta R.T. 0.000 min

Lab File: BF139992.D

Acq: 24 Oct 2024 10:52

Instrument :

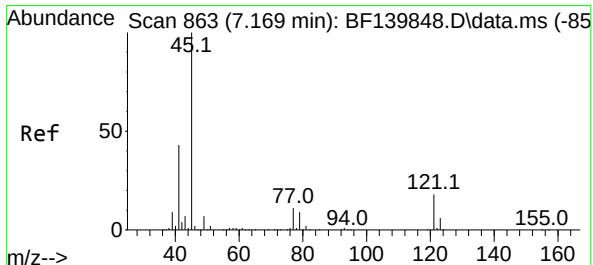
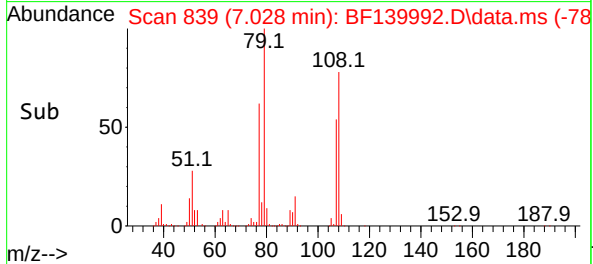
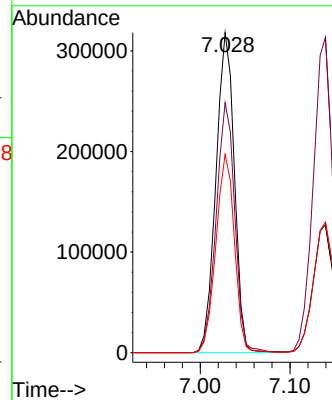
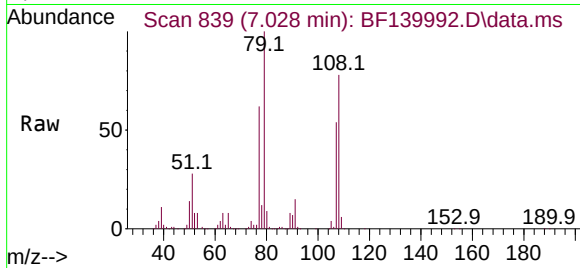
BNA\_F

ClientSampleId :

PB164312BS

Tgt Ion: 79 Resp: 454342

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 79  | 100   |       |       |
| 108 | 78.1  | 61.4  | 92.0  |
| 77  | 62.0  | 49.9  | 74.9  |



#16

2,2'-oxybis(1-chloropropane)

Concen: 44.088 ng

RT: 7.163 min Scan# 862

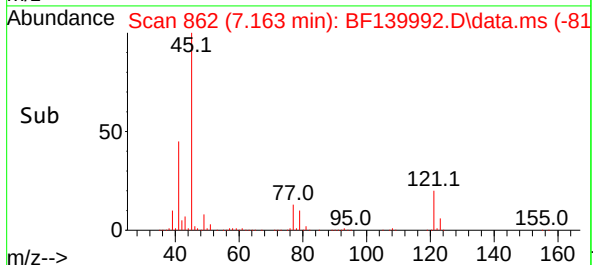
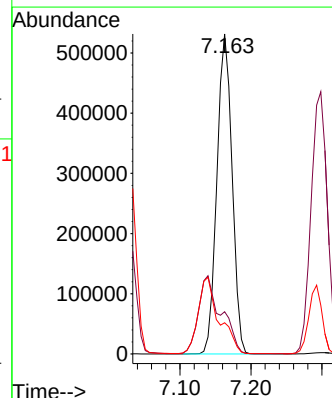
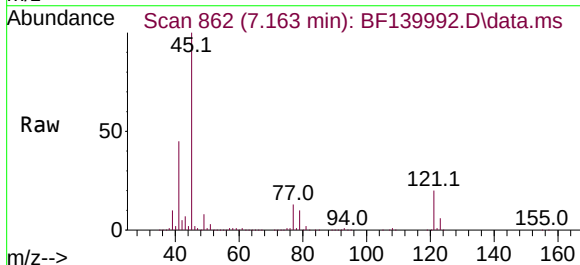
Delta R.T. -0.006 min

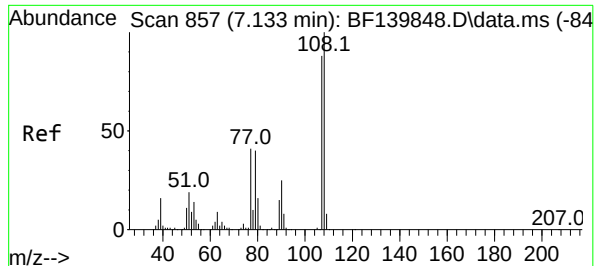
Lab File: BF139992.D

Acq: 24 Oct 2024 10:52

Tgt Ion: 45 Resp: 786365

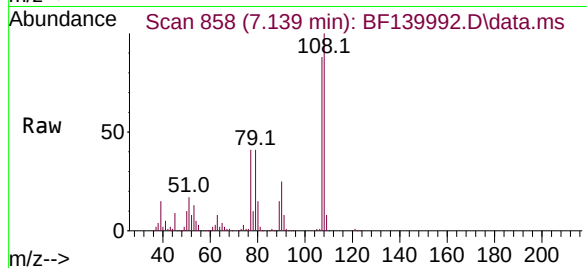
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 45  | 100   |       |       |
| 77  | 13.2  | 0.0   | 31.5  |
| 79  | 9.7   | 0.0   | 29.1  |



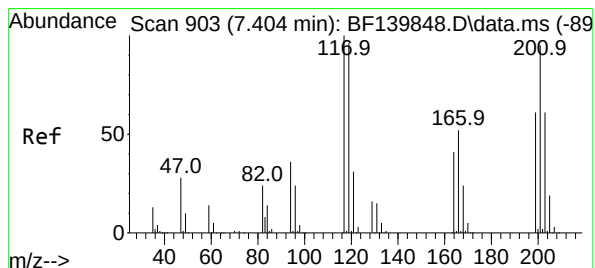
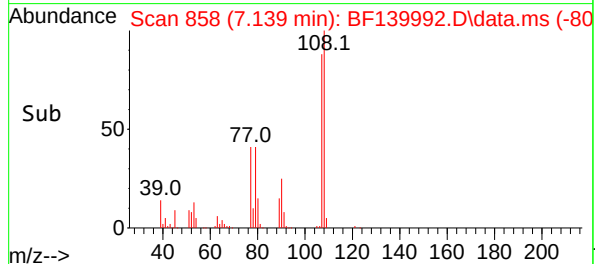
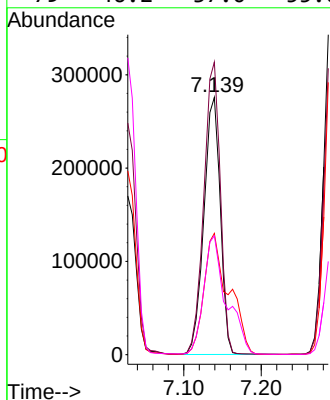


#17  
2-Methylphenol  
Concen: 45.868 ng  
RT: 7.139 min Scan# 857  
Delta R.T. 0.006 min  
Lab File: BF139992.D  
Acq: 24 Oct 2024 10:52

Instrument :  
BNA\_F  
ClientSampleId :  
PB164312BS

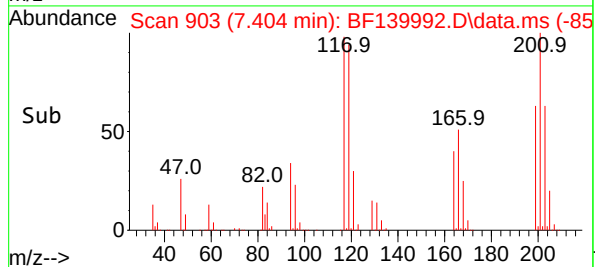
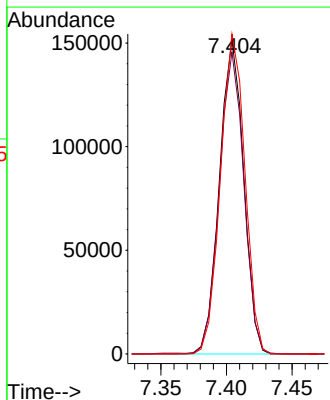
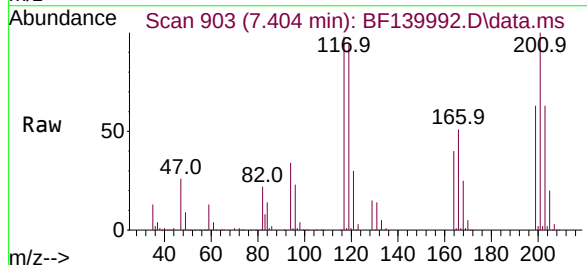


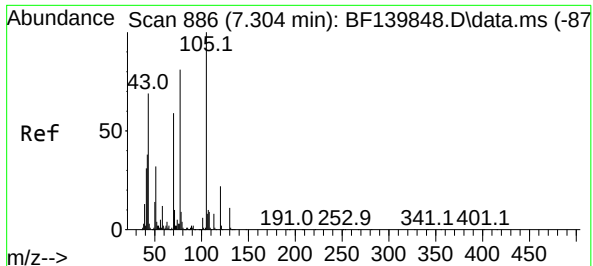
Tgt Ion:107 Resp: 405261  
Ion Ratio Lower Upper  
107 100  
108 113.7 91.3 136.9  
77 47.1 37.1 55.7  
79 46.2 37.0 55.6



#18  
Hexachloroethane  
Concen: 45.910 ng  
RT: 7.404 min Scan# 903  
Delta R.T. 0.000 min  
Lab File: BF139992.D  
Acq: 24 Oct 2024 10:52

Tgt Ion:117 Resp: 194546  
Ion Ratio Lower Upper  
117 100  
119 96.0 77.0 115.4  
201 101.9 76.2 114.4





#19

n-Nitroso-di-n-propylamine

Concen: 45.352 ng

RT: 7.304 min Scan# 886

Delta R.T. 0.000 min

Lab File: BF139992.D

Acq: 24 Oct 2024 10:52

Instrument :

BNA\_F

ClientSampleId :

PB164312BS

Tgt Ion: 70 Resp: 361075

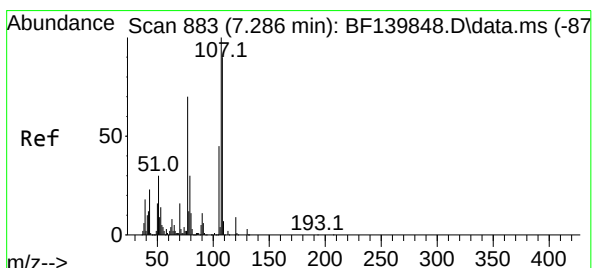
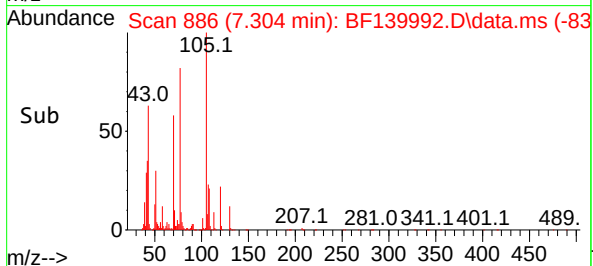
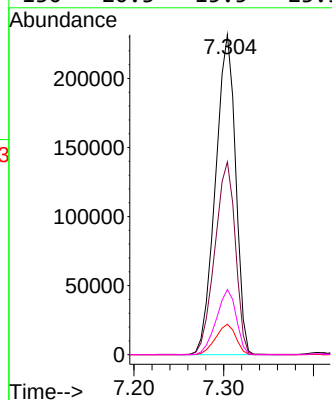
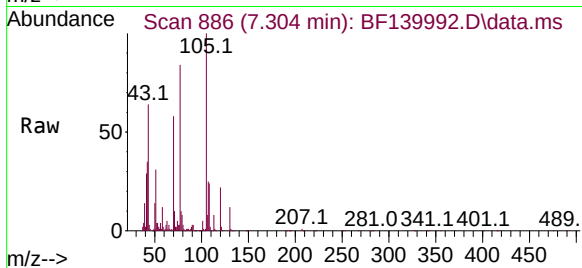
Ion Ratio Lower Upper

70 100

42 60.2 51.5 77.3

101 9.5 7.5 11.3

130 20.3 15.5 23.3



#20

3+4-Methylphenols

Concen: 43.542 ng

RT: 7.292 min Scan# 884

Delta R.T. 0.006 min

Lab File: BF139992.D

Acq: 24 Oct 2024 10:52

Tgt Ion: 107 Resp: 492067

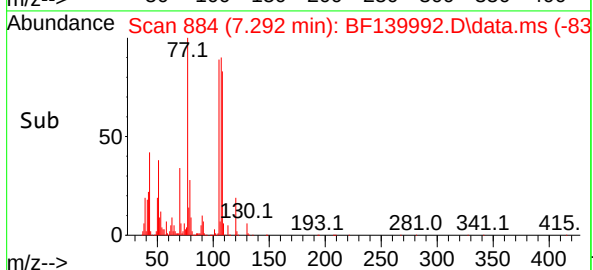
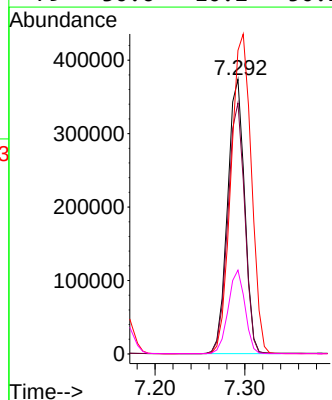
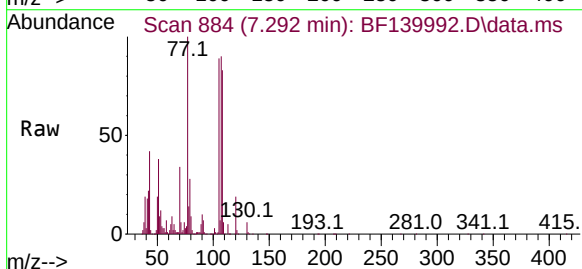
Ion Ratio Lower Upper

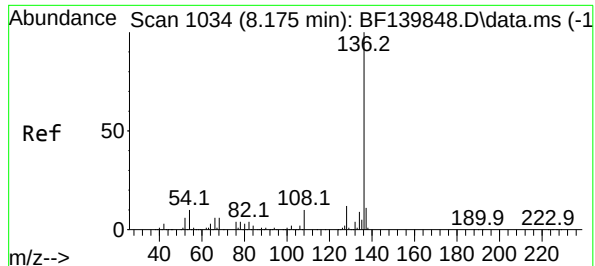
107 100

108 91.5 69.8 109.8

77 110.6 50.5 90.5#

79 30.6 10.2 50.2





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.175 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF139992.D

Acq: 24 Oct 2024 10:52

Instrument :

BNA\_F

ClientSampleId :

PB164312BS

Tgt Ion:136 Resp: 605986

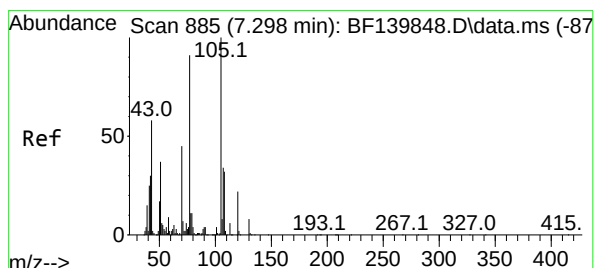
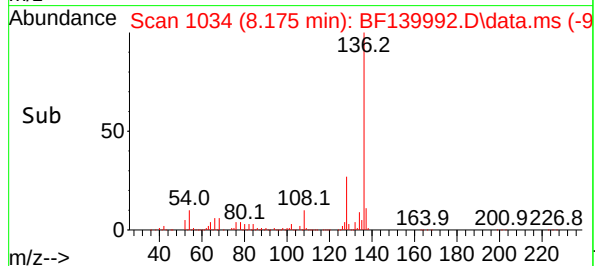
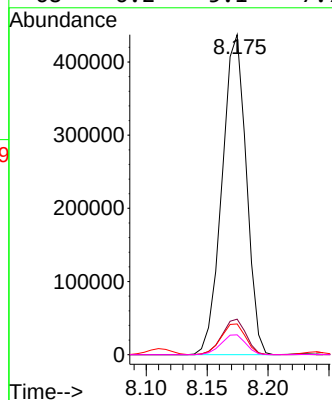
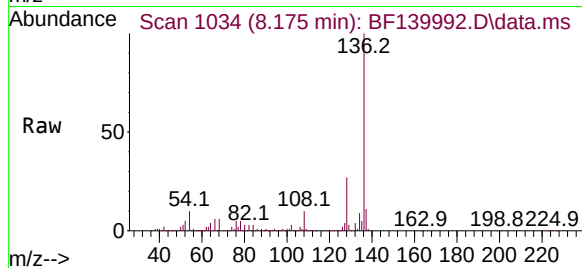
Ion Ratio Lower Upper

136 100

137 11.1 8.6 12.8

54 9.6 8.4 12.6

68 6.2 5.1 7.7



#22

Acetophenone

Concen: 45.631 ng

RT: 7.298 min Scan# 885

Delta R.T. 0.000 min

Lab File: BF139992.D

Acq: 24 Oct 2024 10:52

Tgt Ion:105 Resp: 677280

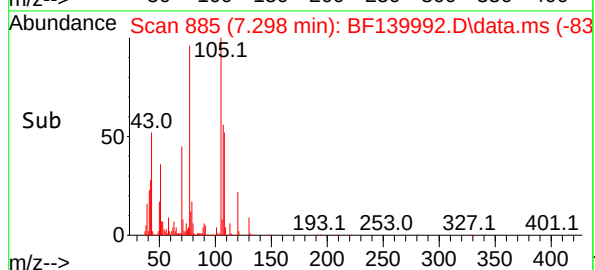
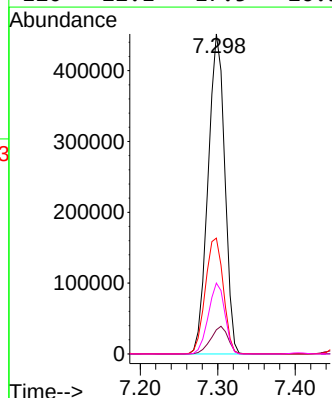
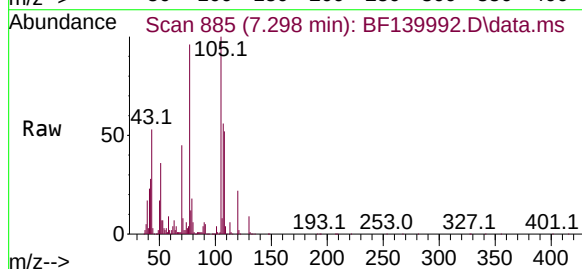
Ion Ratio Lower Upper

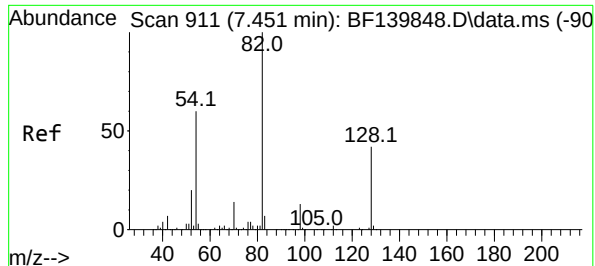
105 100

71 7.5 5.9 8.9

51 36.2 29.4 44.2

120 22.1 17.5 26.3





#23

Nitrobenzene-d5

Concen: 99.414 ng

RT: 7.451 min Scan# 911

Delta R.T. 0.000 min

Lab File: BF139992.D

Acq: 24 Oct 2024 10:52

Instrument :

BNA\_F

ClientSampleId :

PB164312BS

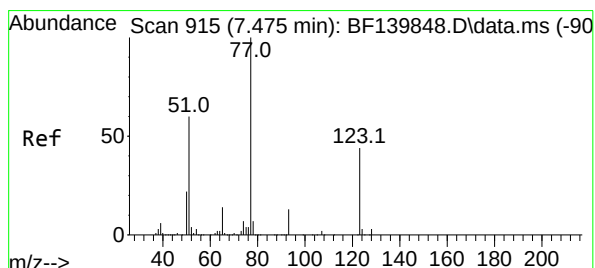
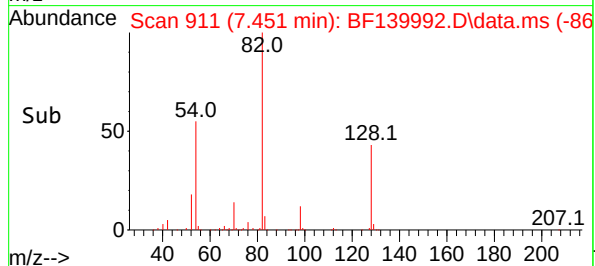
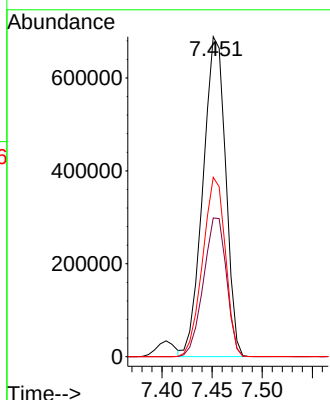
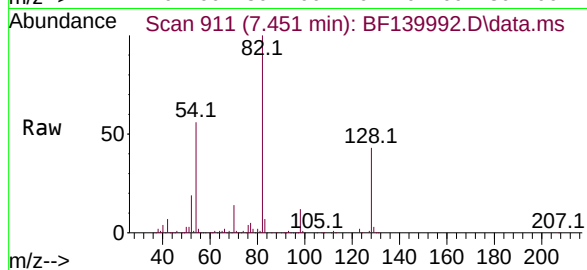
Tgt Ion: 82 Resp: 1086965

Ion Ratio Lower Upper

82 100

128 43.3 33.4 50.0

54 56.1 47.8 71.8



#24

Nitrobenzene

Concen: 45.258 ng

RT: 7.475 min Scan# 915

Delta R.T. 0.000 min

Lab File: BF139992.D

Acq: 24 Oct 2024 10:52

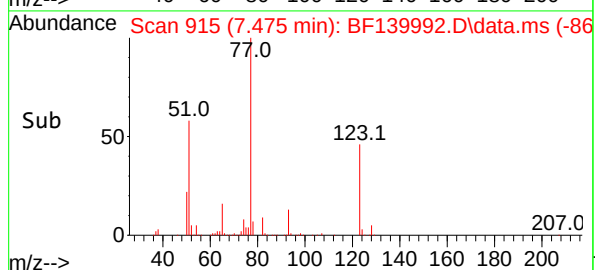
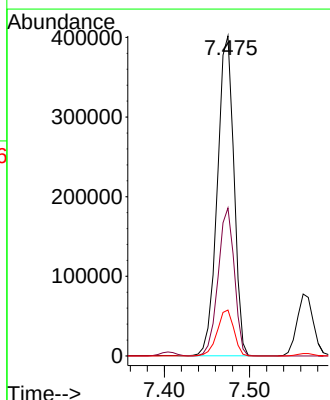
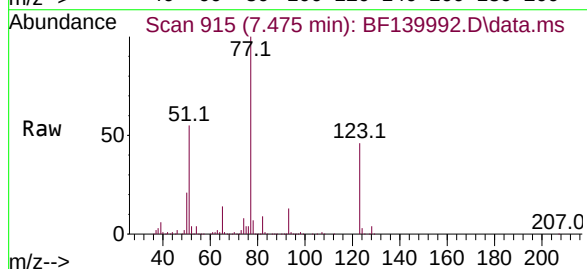
Tgt Ion: 77 Resp: 542543

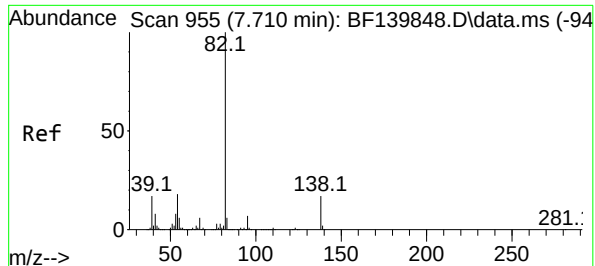
Ion Ratio Lower Upper

77 100

123 46.2 35.7 53.5

65 14.4 11.5 17.3





#25

Isophorone

Concen: 47.406 ng

RT: 7.710 min Scan# 955

Delta R.T. 0.000 min

Lab File: BF139992.D

Acq: 24 Oct 2024 10:52

Instrument :

BNA\_F

ClientSampleId :

PB164312BS

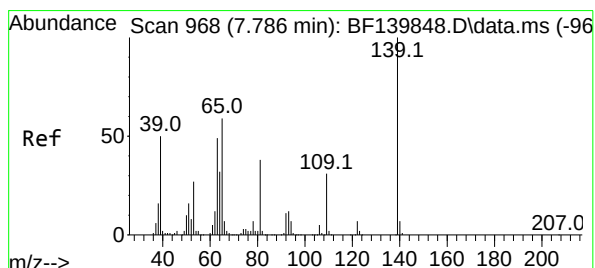
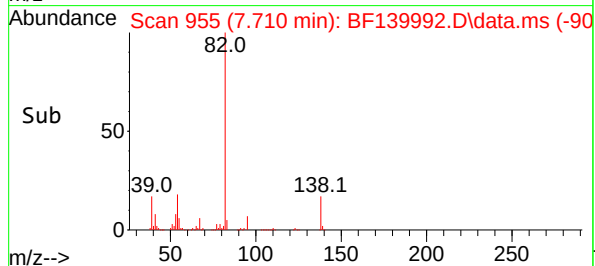
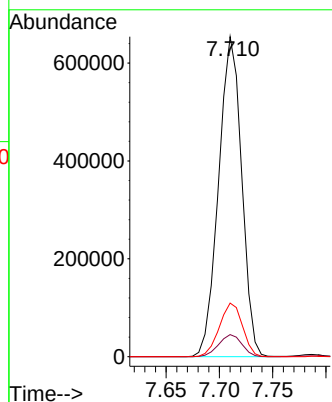
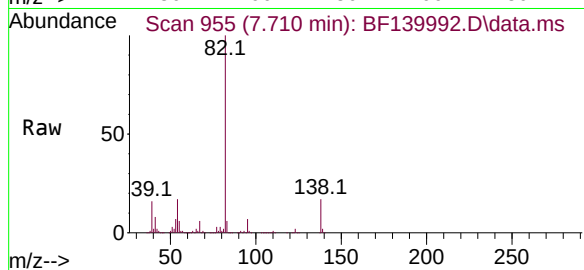
Tgt Ion: 82 Resp: 983786

Ion Ratio Lower Upper

82 100

95 6.9 5.5 8.3

138 16.8 13.2 19.8



#26

2-Nitrophenol

Concen: 58.071 ng

RT: 7.786 min Scan# 968

Delta R.T. 0.000 min

Lab File: BF139992.D

Acq: 24 Oct 2024 10:52

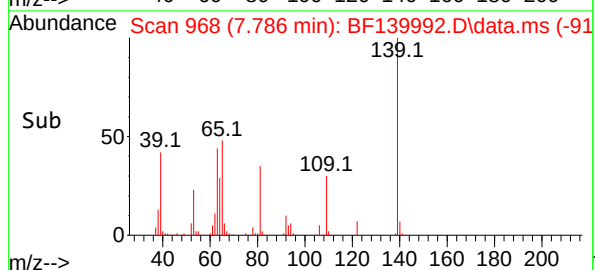
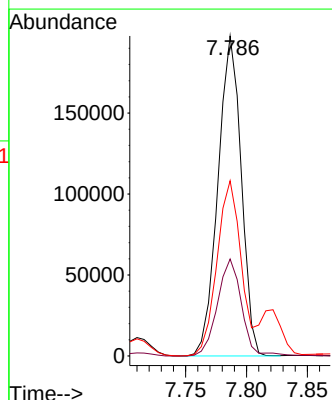
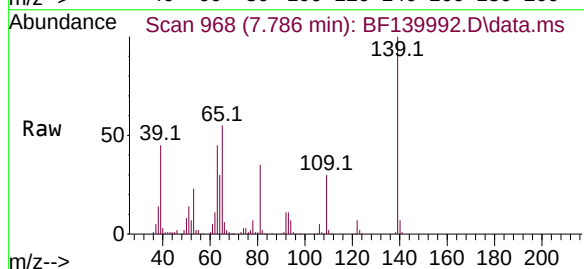
Tgt Ion:139 Resp: 262619

Ion Ratio Lower Upper

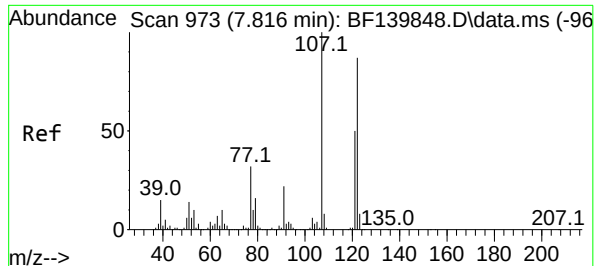
139 100

109 30.3 25.1 37.7

65 54.8 47.5 71.3







#27

2,4-Dimethylphenol

Concen: 54.717 ng

RT: 7.822 min Scan# 91

Delta R.T. 0.006 min

Lab File: BF139992.D

Acq: 24 Oct 2024 10:52

Instrument :

BNA\_F

ClientSampleId :

PB164312BS

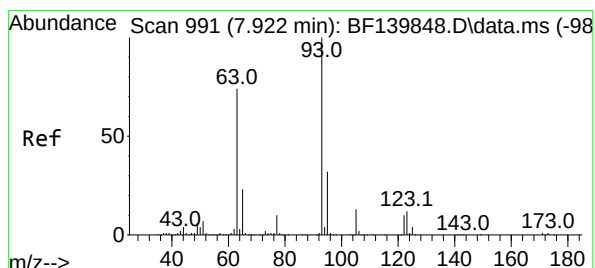
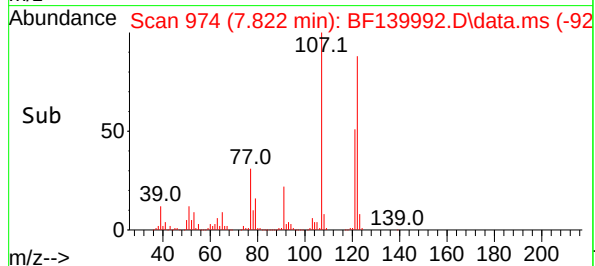
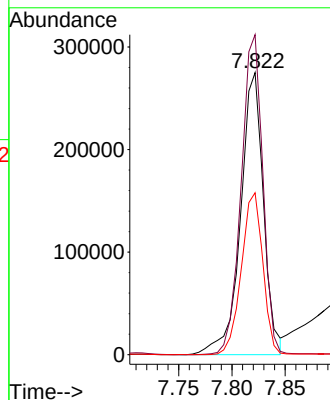
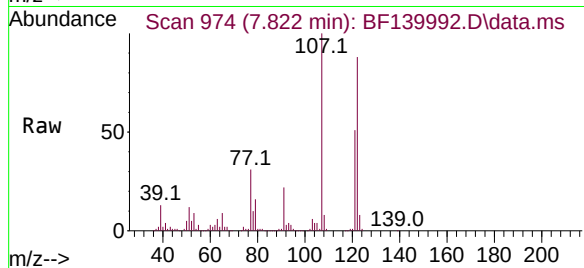
Tgt Ion:122 Resp: 412612

Ion Ratio Lower Upper

122 100

107 113.4 91.9 137.9

121 57.4 46.2 69.4



#28

bis(2-Chloroethoxy)methane

Concen: 46.637 ng

RT: 7.922 min Scan# 991

Delta R.T. 0.000 min

Lab File: BF139992.D

Acq: 24 Oct 2024 10:52

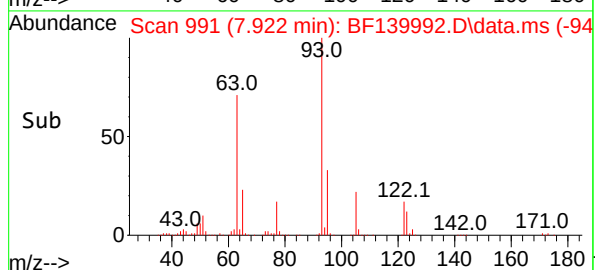
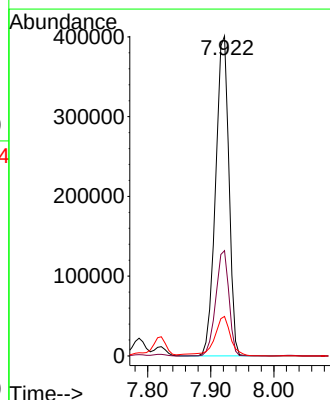
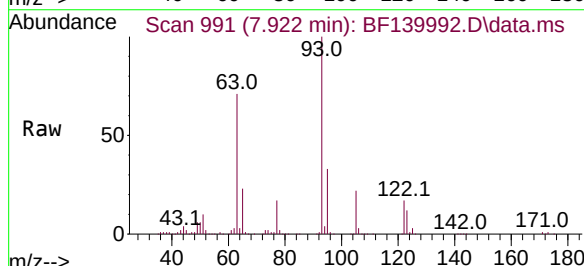
Tgt Ion: 93 Resp: 586376

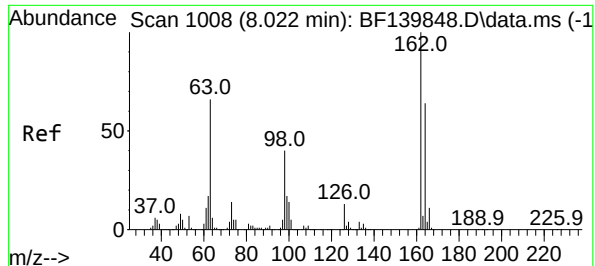
Ion Ratio Lower Upper

93 100

95 32.9 26.0 39.0

123 12.4 9.8 14.8





#29

2,4-Dichlorophenol

Concen: 47.607 ng

RT: 8.028 min Scan# 1008

Delta R.T. 0.006 min

Lab File: BF139992.D

Acq: 24 Oct 2024 10:52

Instrument :

BNA\_F

ClientSampleId :

PB164312BS

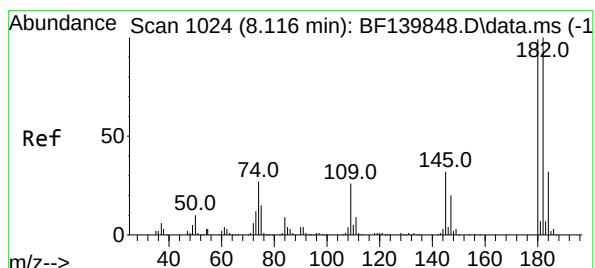
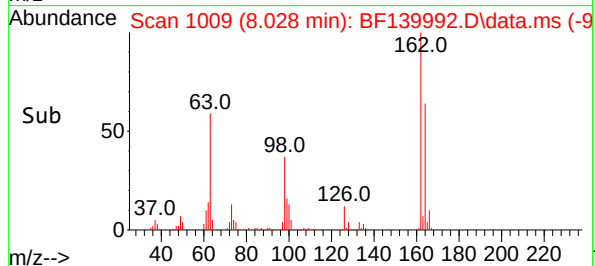
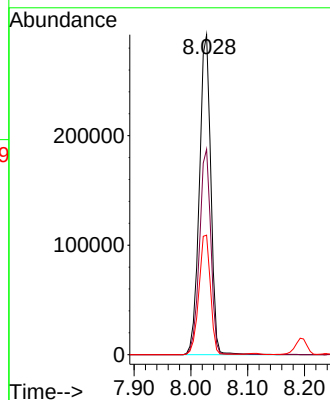
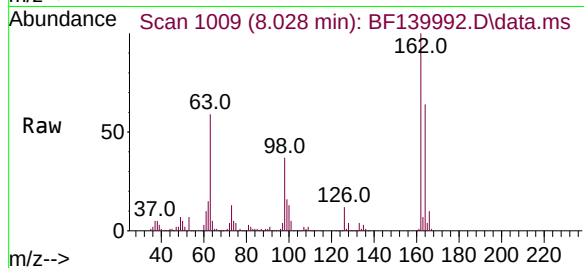
Tgt Ion:162 Resp: 408904

Ion Ratio Lower Upper

162 100

164 64.2 43.9 83.9

98 37.4 19.9 59.9



#30

1,2,4-Trichlorobenzene

Concen: 46.210 ng

RT: 8.110 min Scan# 1023

Delta R.T. -0.006 min

Lab File: BF139992.D

Acq: 24 Oct 2024 10:52

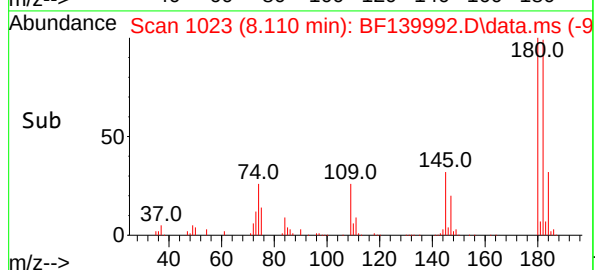
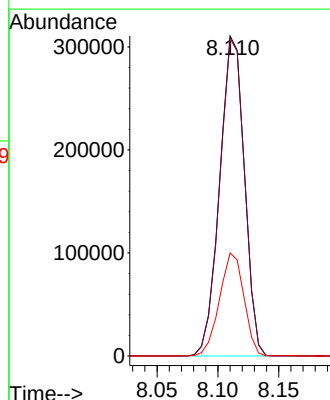
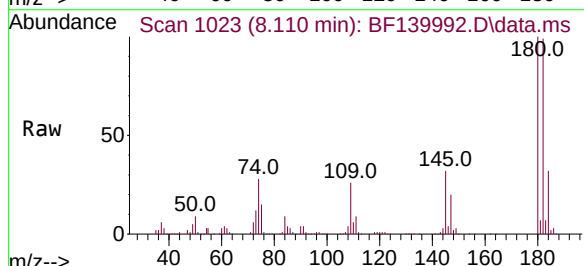
Tgt Ion:180 Resp: 439184

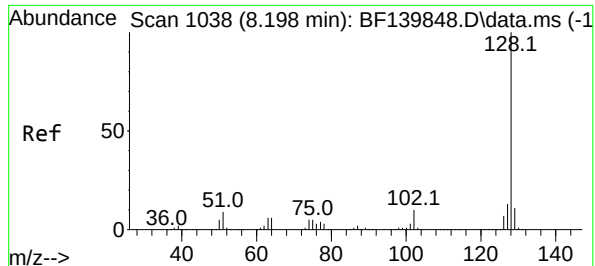
Ion Ratio Lower Upper

180 100

182 99.3 80.5 120.7

145 32.2 25.4 38.0





#31

Naphthalene

Concen: 46.284 ng

RT: 8.192 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF139992.D

Acq: 24 Oct 2024 10:52

Instrument :

BNA\_F

ClientSampleId :

PB164312BS

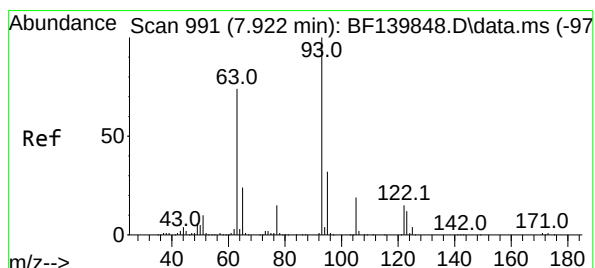
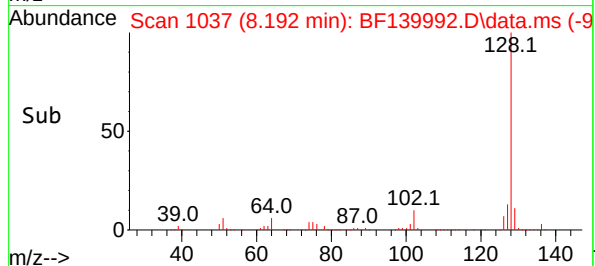
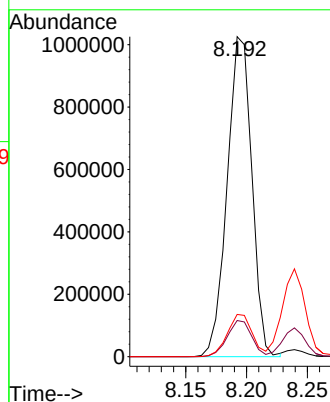
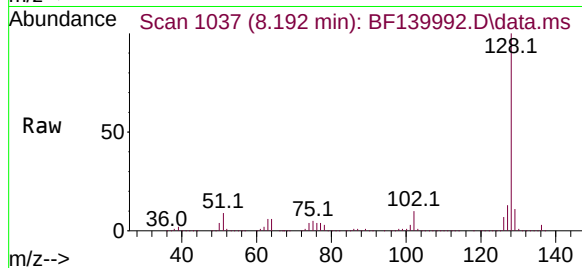
Tgt Ion:128 Resp: 1446510

Ion Ratio Lower Upper

128 100

129 11.3 8.9 13.3

127 13.2 10.6 16.0



#32

Benzoic acid

Concen: 48.215 ng

RT: 7.939 min Scan# 994

Delta R.T. 0.017 min

Lab File: BF139992.D

Acq: 24 Oct 2024 10:52

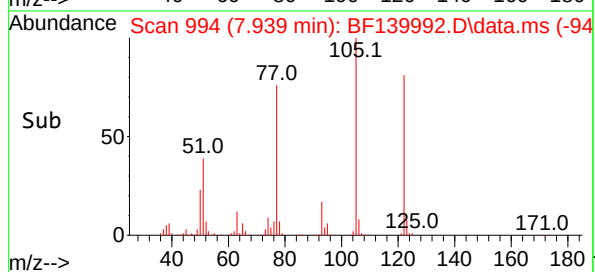
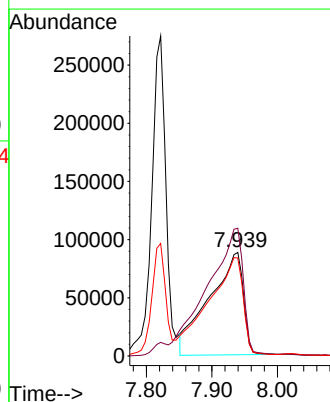
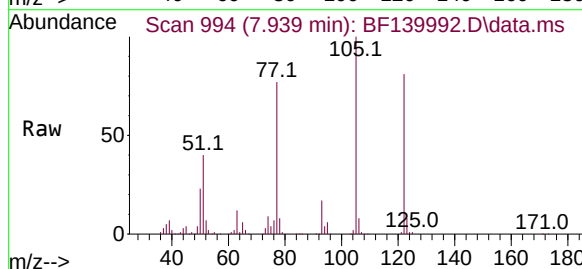
Tgt Ion:122 Resp: 317111

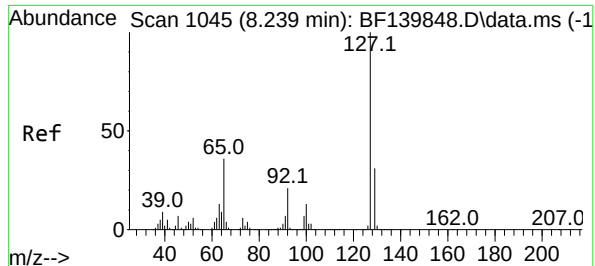
Ion Ratio Lower Upper

122 100

105 123.3 107.6 147.6

77 94.7 80.2 120.2





#33

4-Chloroaniline

Concen: 35.634 ng

RT: 8.239 min Scan# 1045

Delta R.T. 0.000 min

Lab File: BF139992.D

Acq: 24 Oct 2024 10:52

Instrument :

BNA\_F

ClientSampleId :

PB164312BS

Tgt Ion:127 Resp: 379752

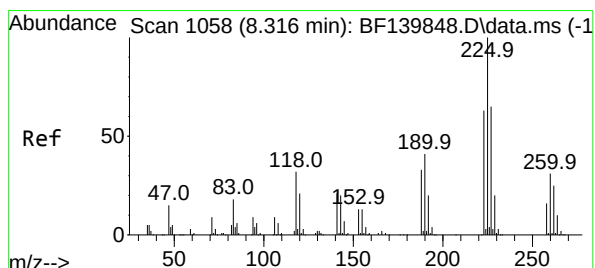
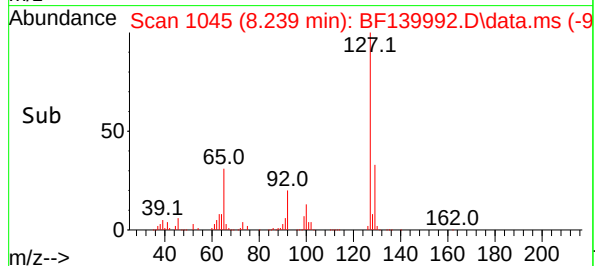
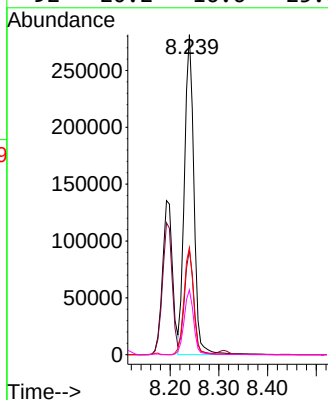
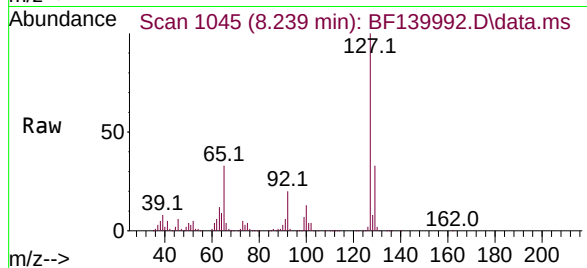
Ion Ratio Lower Upper

127 100

129 32.8 25.4 38.2

65 33.4 28.4 42.6

92 20.2 16.6 25.0



#34

Hexachlorobutadiene

Concen: 47.452 ng

RT: 8.310 min Scan# 1057

Delta R.T. -0.006 min

Lab File: BF139992.D

Acq: 24 Oct 2024 10:52

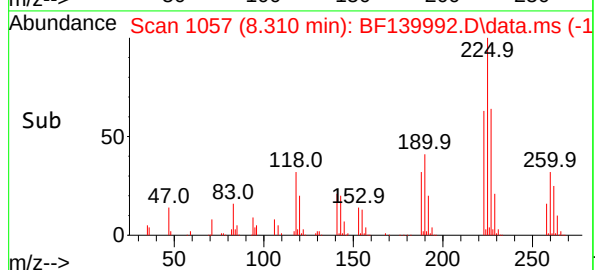
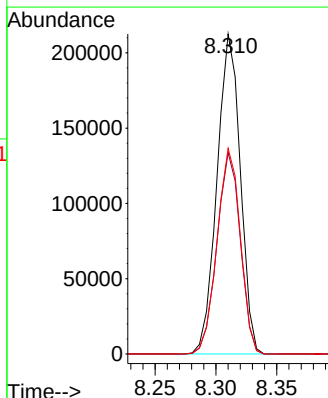
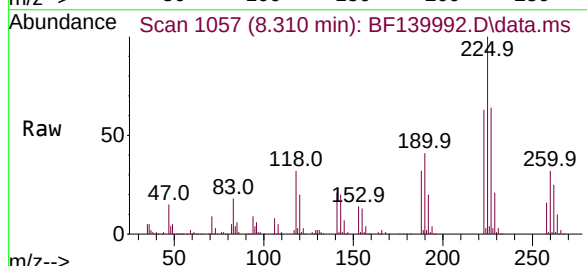
Tgt Ion:225 Resp: 283363

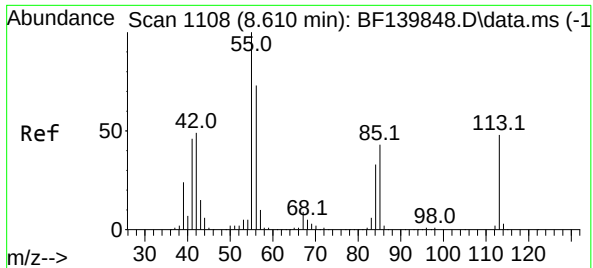
Ion Ratio Lower Upper

225 100

223 62.9 50.6 76.0

227 64.2 51.8 77.8

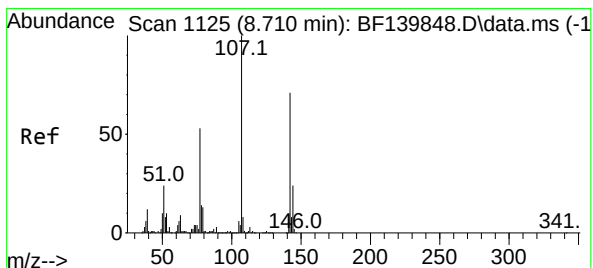
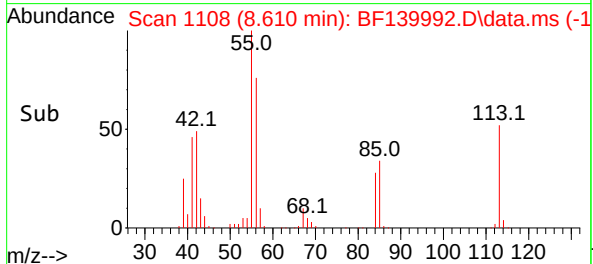
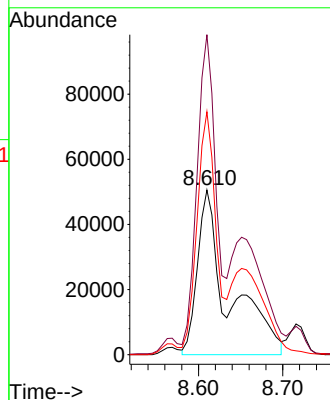
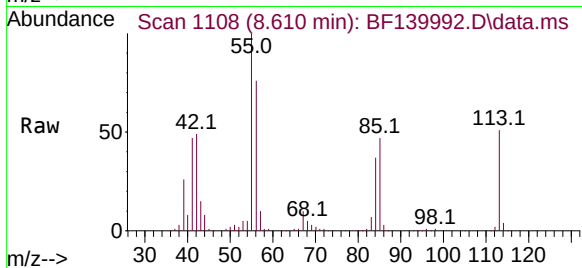




#35  
Caprolactam  
Concen: 47.402 ng m  
RT: 8.610 min Scan# 1108  
Delta R.T. 0.000 min  
Lab File: BF139992.D  
Acq: 24 Oct 2024 10:52

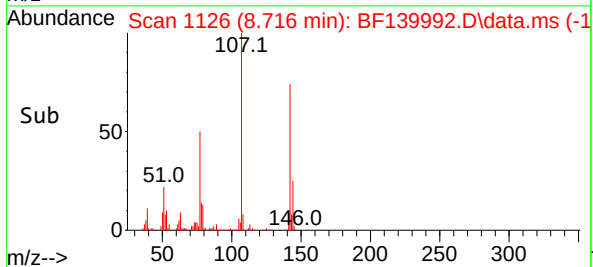
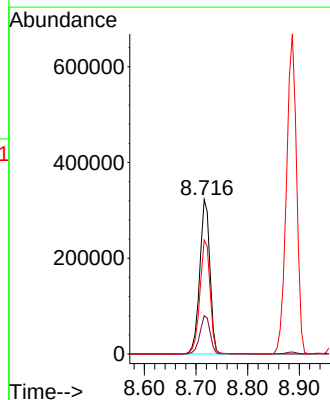
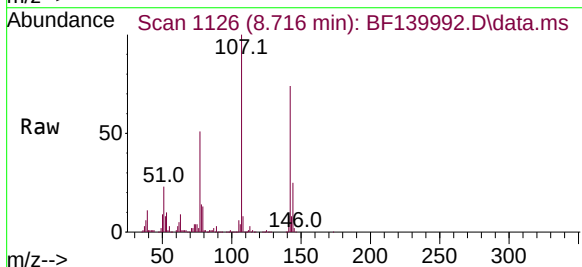
Instrument :  
BNA\_F  
ClientSampleId :  
PB164312BS

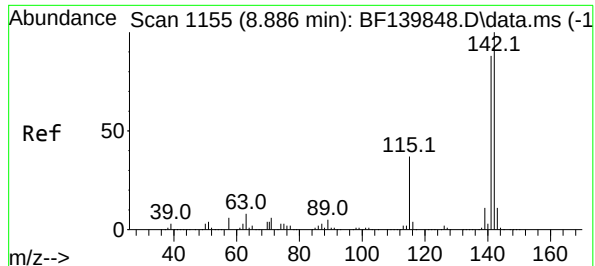
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 55      | 194.3 | 189.2 | 229.2 |
| 56      | 147.4 | 132.5 | 172.5 |



#36  
4-Chloro-3-methylphenol  
Concen: 46.476 ng  
RT: 8.716 min Scan# 1126  
Delta R.T. 0.006 min  
Lab File: BF139992.D  
Acq: 24 Oct 2024 10:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 144     | 24.7  | 19.1  | 28.7  |
| 142     | 73.8  | 57.2  | 85.8  |





#37

2-Methylnaphthalene

Concen: 47.426 ng

RT: 8.886 min Scan# 1155

Delta R.T. 0.000 min

Lab File: BF139992.D

Acq: 24 Oct 2024 10:52

Instrument :

BNA\_F

ClientSampleId :

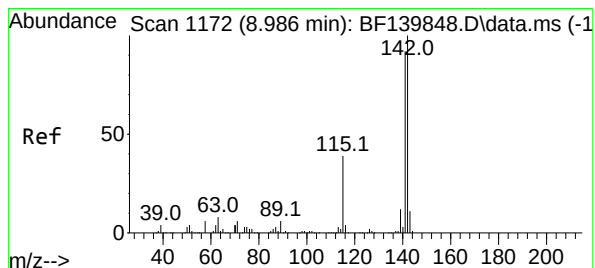
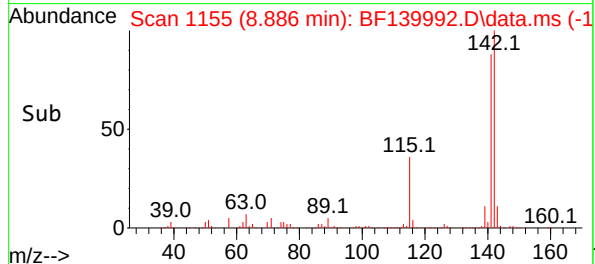
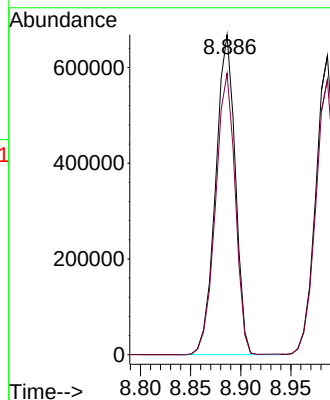
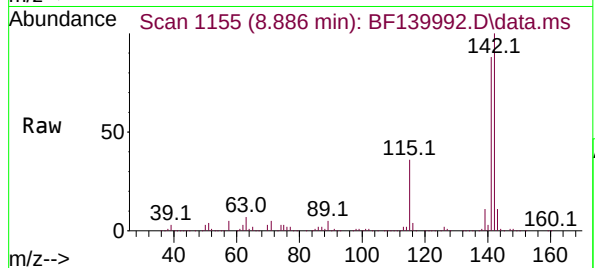
PB164312BS

Tgt Ion:142 Resp: 907765

Ion Ratio Lower Upper

142 100

141 87.9 70.8 106.2



#38

1-Methylnaphthalene

Concen: 44.923 ng

RT: 8.986 min Scan# 1172

Delta R.T. 0.000 min

Lab File: BF139992.D

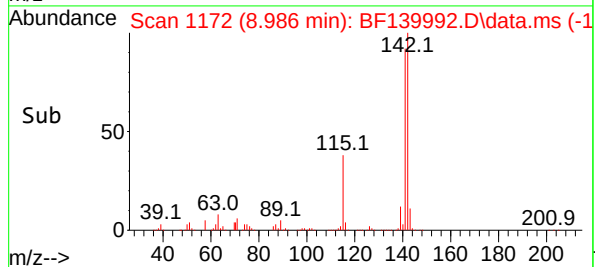
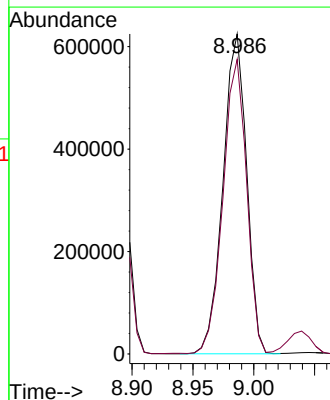
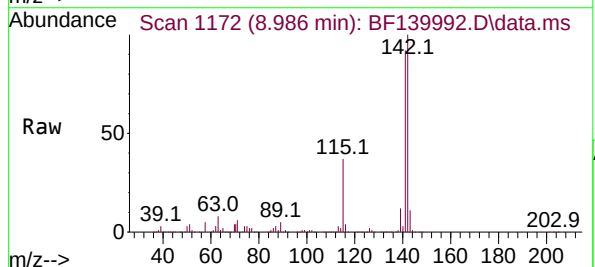
Acq: 24 Oct 2024 10:52

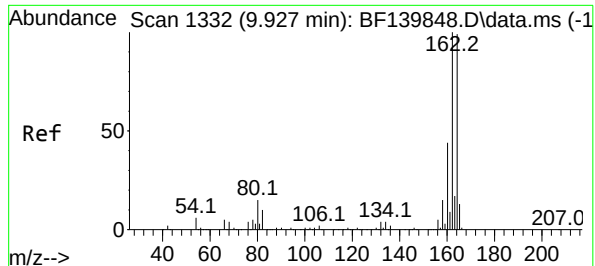
Tgt Ion:142 Resp: 843621

Ion Ratio Lower Upper

142 100

141 92.1 73.5 110.3





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.927 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF139992.D

Acq: 24 Oct 2024 10:52

Instrument :

BNA\_F

ClientSampleId :

PB164312BS

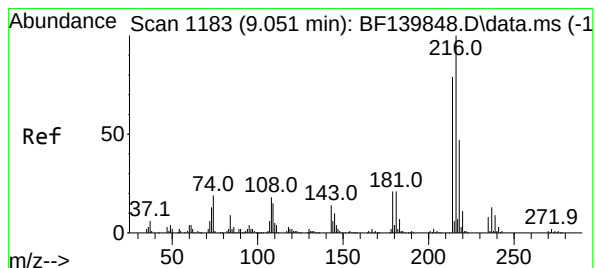
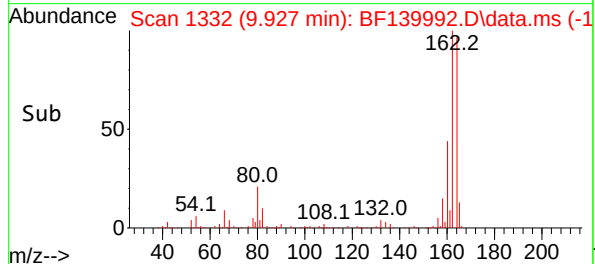
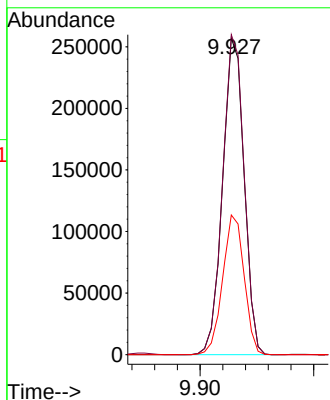
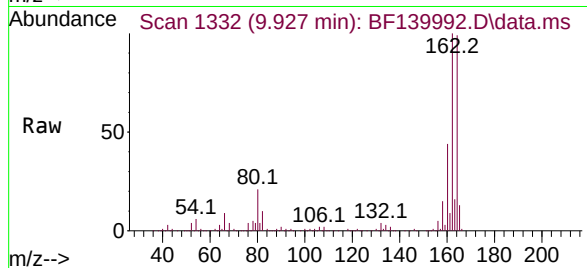
Tgt Ion:164 Resp: 338004

Ion Ratio Lower Upper

164 100

162 101.1 81.0 121.4

160 44.2 35.4 53.0



#40

1,2,4,5-Tetrachlorobenzene

Concen: 47.056 ng

RT: 9.051 min Scan# 1183

Delta R.T. 0.000 min

Lab File: BF139992.D

Acq: 24 Oct 2024 10:52

Tgt Ion:216 Resp: 429093

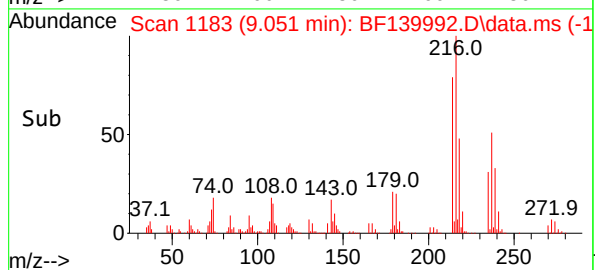
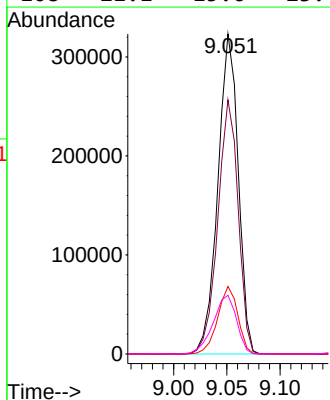
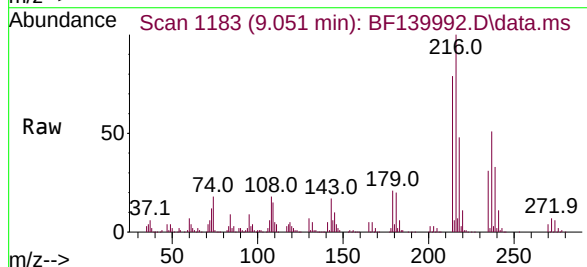
Ion Ratio Lower Upper

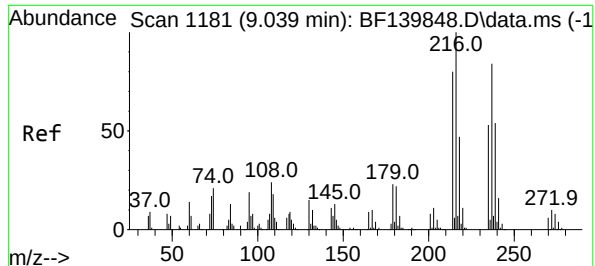
216 100

214 79.1 63.4 95.0

179 20.9 17.2 25.8

108 21.1 15.6 23.4





#41

Hexachlorocyclopentadiene

Concen: 180.387 ng

RT: 9.039 min Scan# 1181

Delta R.T. 0.000 min

Lab File: BF139992.D

Acq: 24 Oct 2024 10:52

Instrument :

BNA\_F

ClientSampleId :

PB164312BS

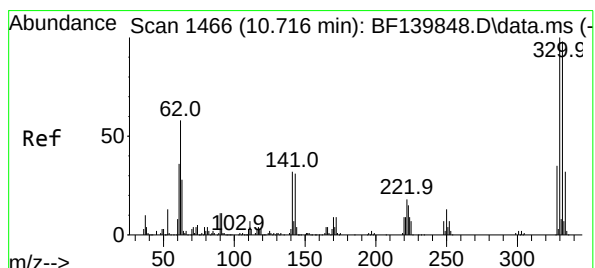
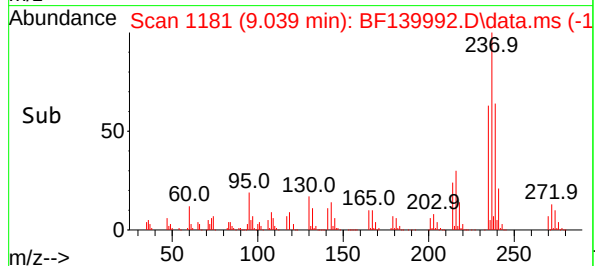
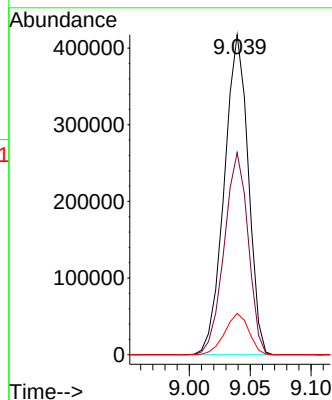
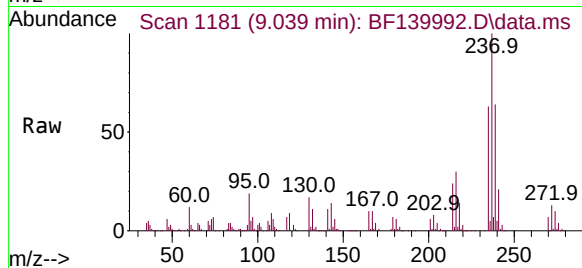
Tgt Ion:237 Resp: 572352

Ion Ratio Lower Upper

237 100

235 63.1 42.9 82.9

272 12.9 0.0 32.3



#42

2,4,6-Tribromophenol

Concen: 156.540 ng

RT: 10.722 min Scan# 1467

Delta R.T. 0.006 min

Lab File: BF139992.D

Acq: 24 Oct 2024 10:52

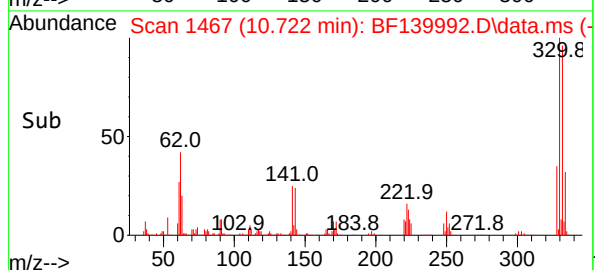
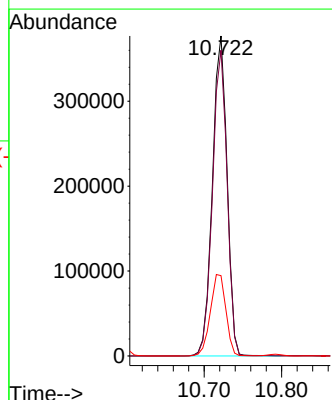
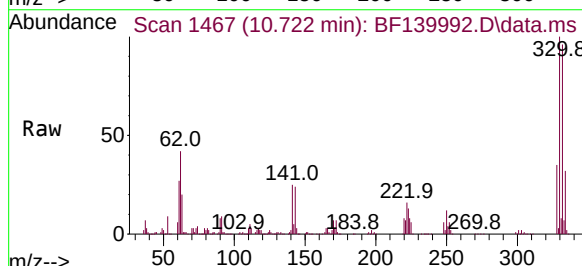
Tgt Ion:330 Resp: 494913

Ion Ratio Lower Upper

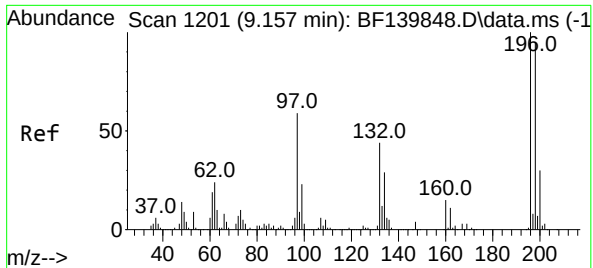
330 100

332 95.2 78.1 117.1

141 27.0 26.6 39.8







#43

2,4,6-Trichlorophenol

Concen: 49.535 ng

RT: 9.163 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF139992.D

Acq: 24 Oct 2024 10:52

Instrument :

BNA\_F

ClientSampleId :

PB164312BS

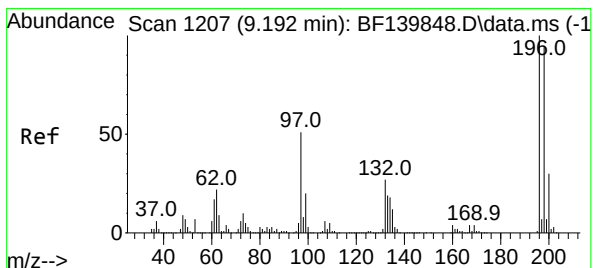
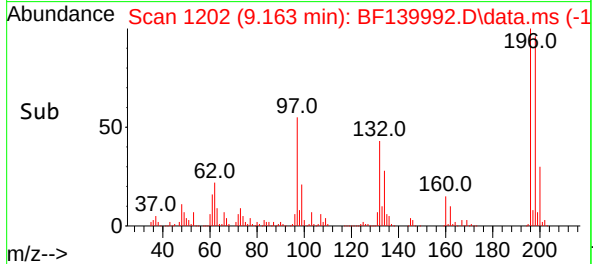
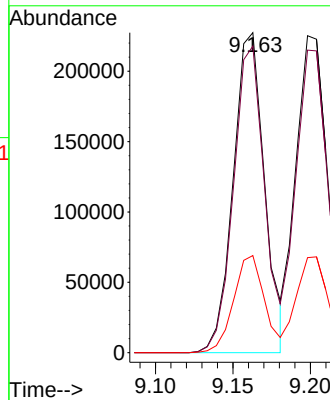
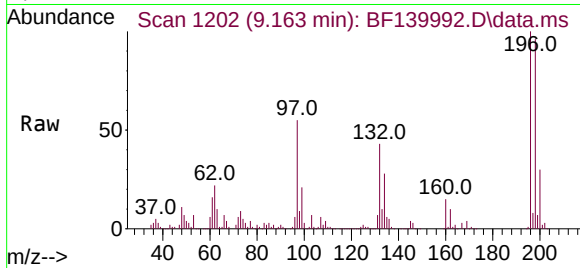
Tgt Ion:196 Resp: 319801

Ion Ratio Lower Upper

196 100

198 95.8 76.2 114.2

200 30.4 24.0 36.0



#44

2,4,5-Trichlorophenol

Concen: 47.437 ng

RT: 9.198 min Scan# 1208

Delta R.T. 0.006 min

Lab File: BF139992.D

Acq: 24 Oct 2024 10:52

Tgt Ion:196 Resp: 315968

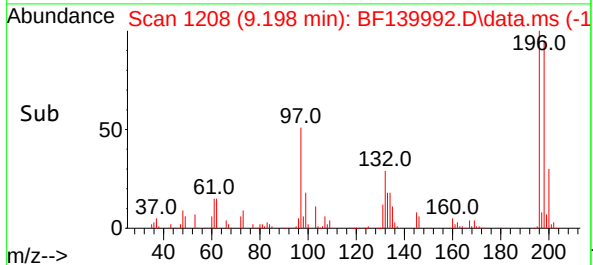
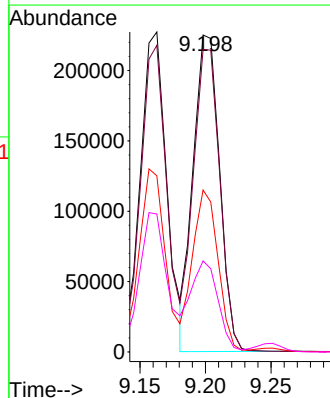
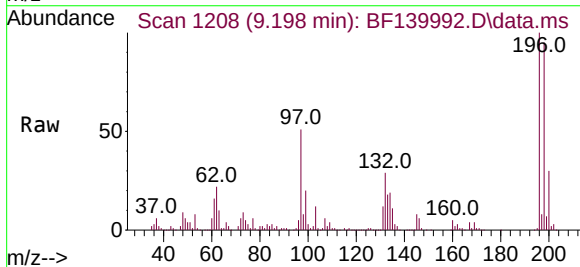
Ion Ratio Lower Upper

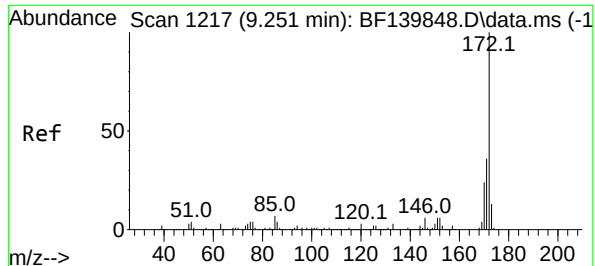
196 100

198 95.5 75.8 113.6

97 51.1 41.8 62.6

132 28.7 22.9 34.3





#45

2-Fluorobiphenyl

Concen: 93.895 ng

RT: 9.251 min Scan# 1217

Delta R.T. 0.000 min

Lab File: BF139992.D

Acq: 24 Oct 2024 10:52

Instrument :

BNA\_F

ClientSampleId :

PB164312BS

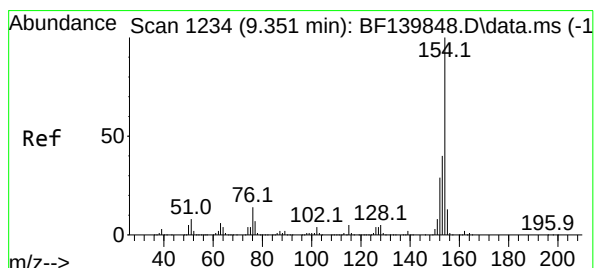
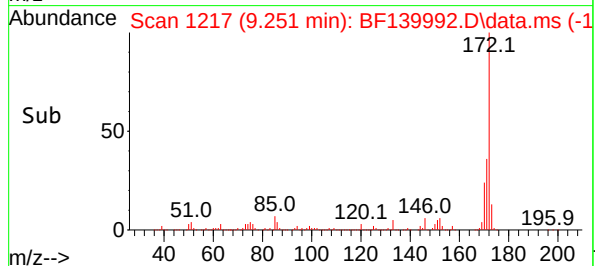
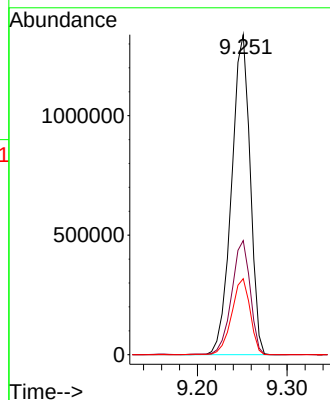
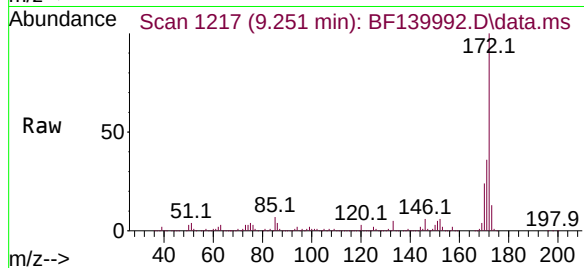
Tgt Ion:172 Resp: 1920305

Ion Ratio Lower Upper

172 100

171 35.7 28.6 43.0

170 23.8 19.1 28.7



#46

1,1'-Biphenyl

Concen: 45.961 ng

RT: 9.351 min Scan# 1234

Delta R.T. 0.000 min

Lab File: BF139992.D

Acq: 24 Oct 2024 10:52

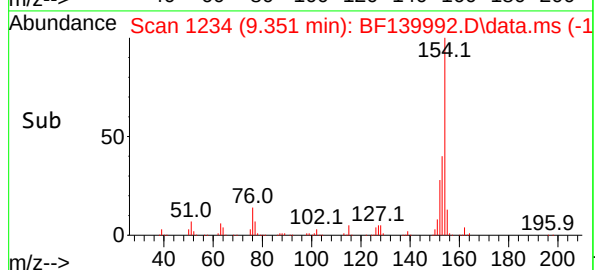
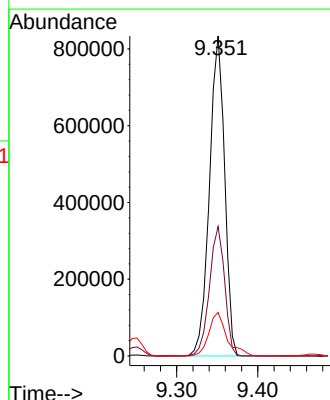
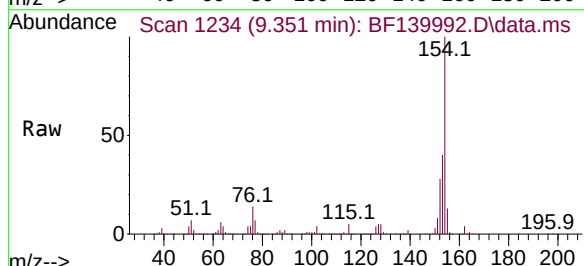
Tgt Ion:154 Resp: 1081469

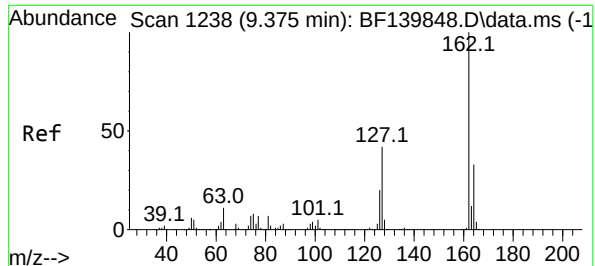
Ion Ratio Lower Upper

154 100

153 40.4 20.3 60.3

76 13.6 0.0 33.9





#47

2-Chloronaphthalene

Concen: 45.644 ng

RT: 9.375 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF139992.D

Acq: 24 Oct 2024 10:52

Instrument :

BNA\_F

ClientSampleId :

PB164312BS

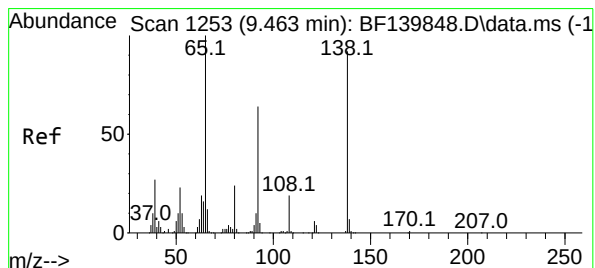
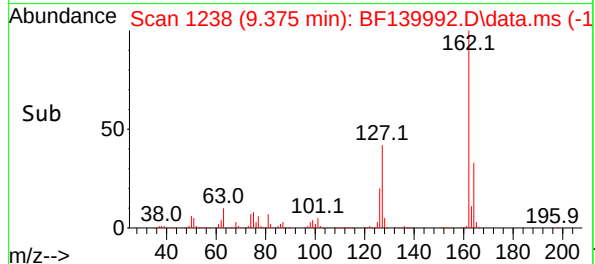
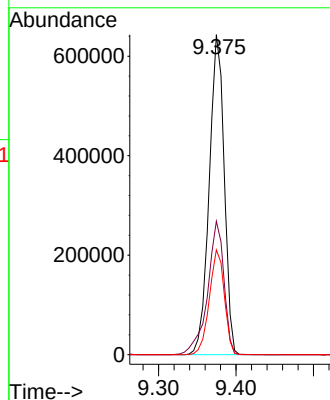
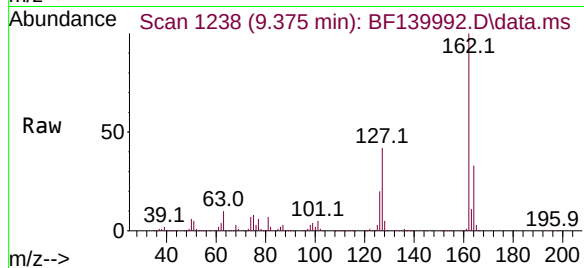
Tgt Ion:162 Resp: 865022

Ion Ratio Lower Upper

162 100

127 41.7 33.8 50.6

164 32.8 26.6 39.8



#48

2-Nitroaniline

Concen: 50.615 ng

RT: 9.469 min Scan# 1254

Delta R.T. 0.006 min

Lab File: BF139992.D

Acq: 24 Oct 2024 10:52

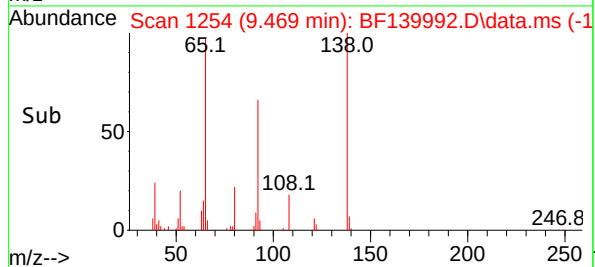
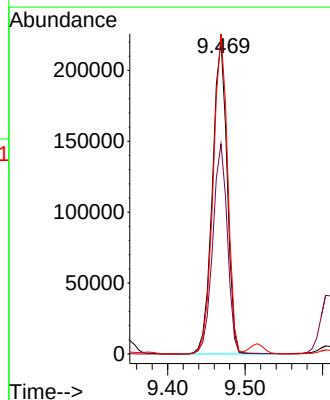
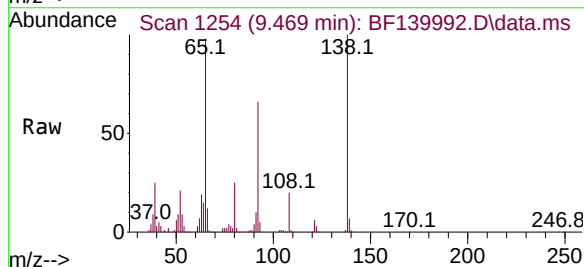
Tgt Ion: 65 Resp: 293375

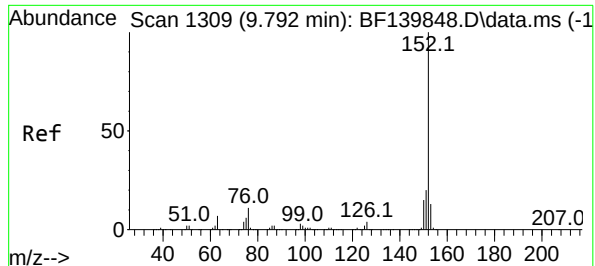
Ion Ratio Lower Upper

65 100

92 67.1 50.9 76.3

138 102.2 73.4 110.0





#49

Acenaphthylene

Concen: 48.981 ng

RT: 9.792 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF139992.D

Acq: 24 Oct 2024 10:52

Instrument :

BNA\_F

ClientSampleId :

PB164312BS

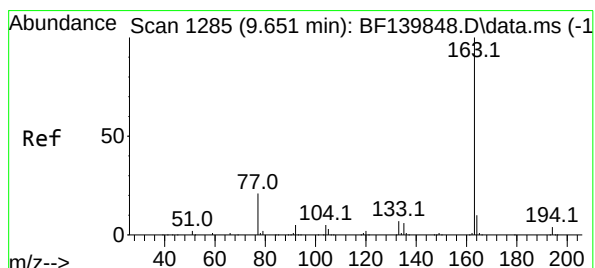
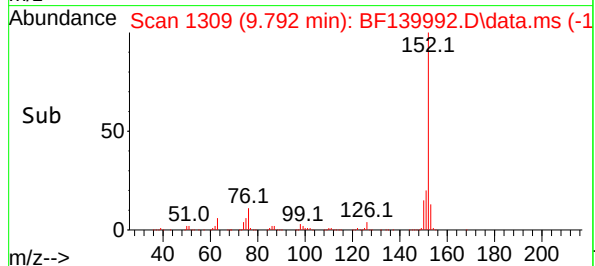
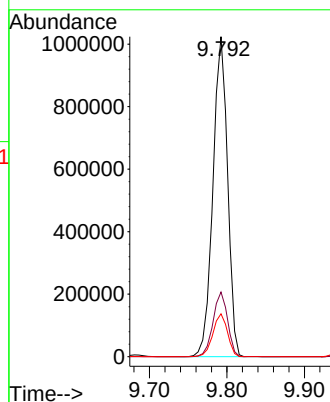
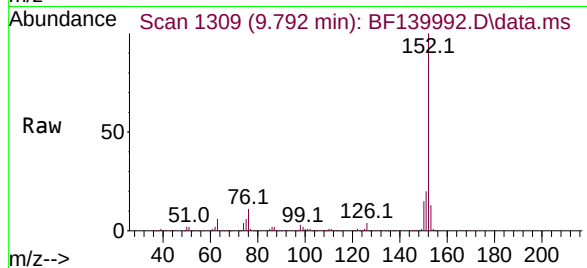
Tgt Ion:152 Resp: 1341986

Ion Ratio Lower Upper

152 100

151 20.2 15.9 23.9

153 13.4 10.7 16.1



#50

Dimethylphthalate

Concen: 47.597 ng

RT: 9.651 min Scan# 1285

Delta R.T. 0.000 min

Lab File: BF139992.D

Acq: 24 Oct 2024 10:52

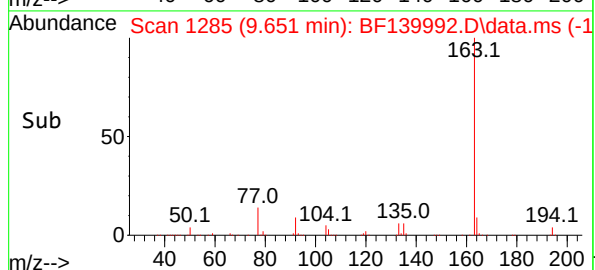
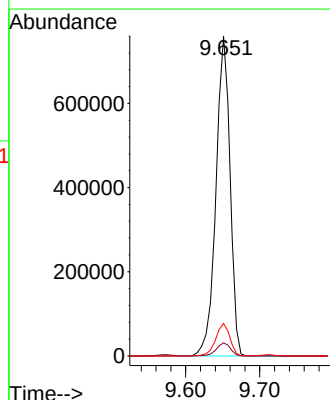
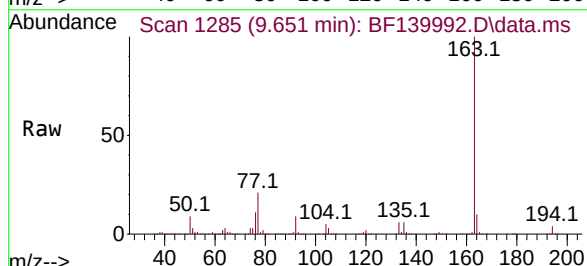
Tgt Ion:163 Resp: 1002087

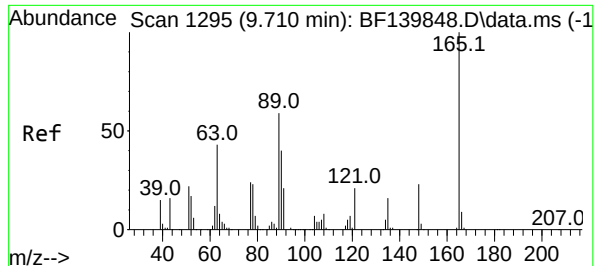
Ion Ratio Lower Upper

163 100

194 4.1 3.4 5.0

164 10.2 8.2 12.2





#51

2,6-Dinitrotoluene

Concen: 48.219 ng

RT: 9.710 min Scan# 1295

Delta R.T. 0.000 min

Lab File: BF139992.D

Acq: 24 Oct 2024 10:52

Instrument :

BNA\_F

ClientSampleId :

PB164312BS

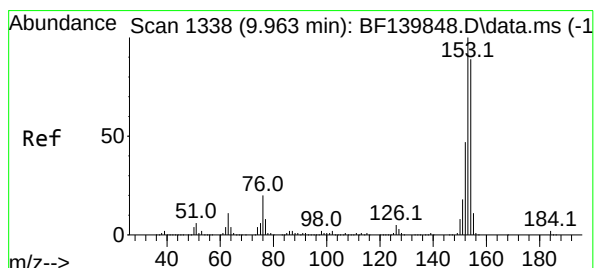
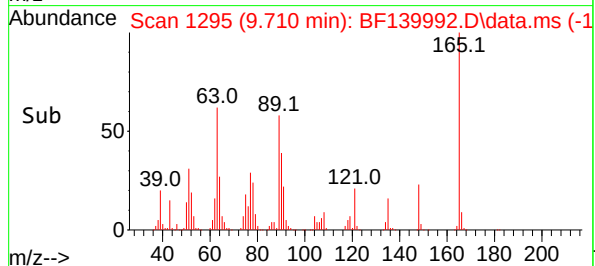
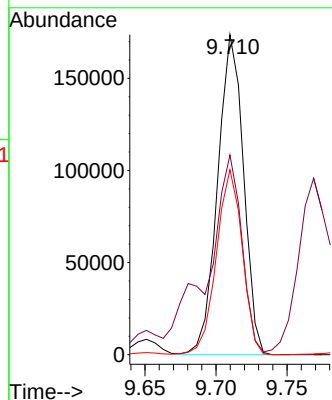
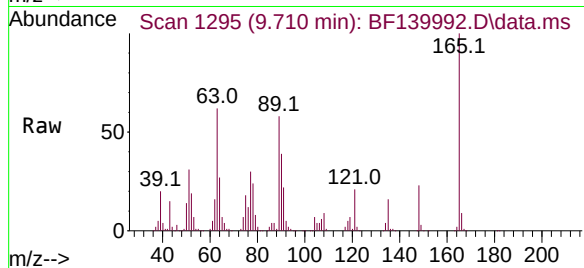
Tgt Ion:165 Resp: 219806

Ion Ratio Lower Upper

165 100

63 62.4 50.6 75.8

89 57.8 47.5 71.3



#52

Acenaphthene

Concen: 52.434 ng

RT: 9.963 min Scan# 1338

Delta R.T. 0.000 min

Lab File: BF139992.D

Acq: 24 Oct 2024 10:52

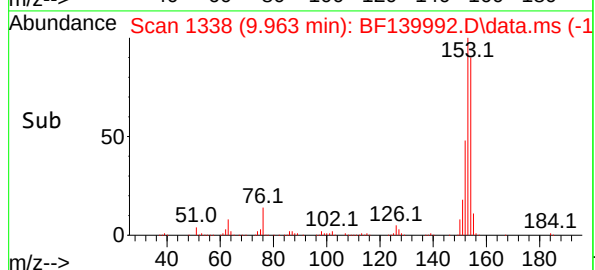
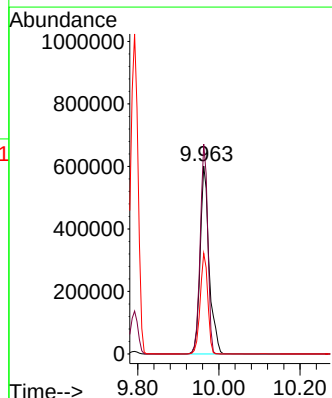
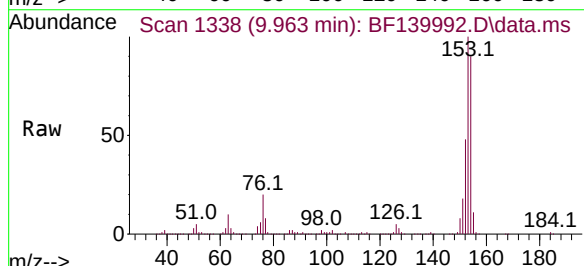
Tgt Ion:154 Resp: 929324

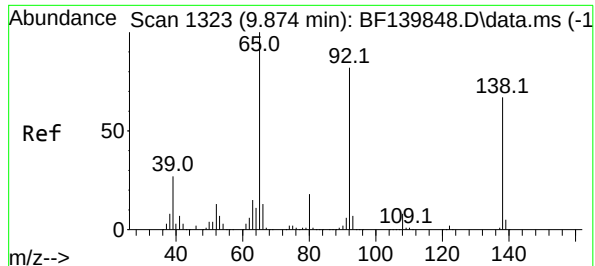
Ion Ratio Lower Upper

154 100

153 111.7 89.8 134.6

152 53.6 42.4 63.6





#53

3-Nitroaniline

Concen: 38.328 ng

RT: 9.880 min Scan# 1323

Delta R.T. 0.006 min

Lab File: BF139992.D

Acq: 24 Oct 2024 10:52

Instrument :

BNA\_F

ClientSampleId :

PB164312BS

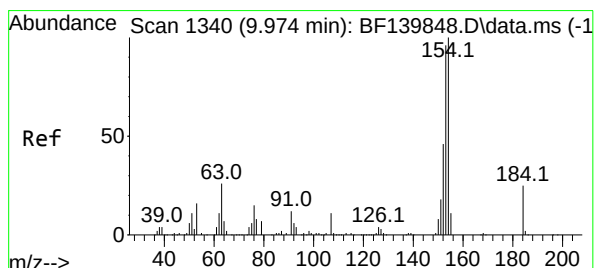
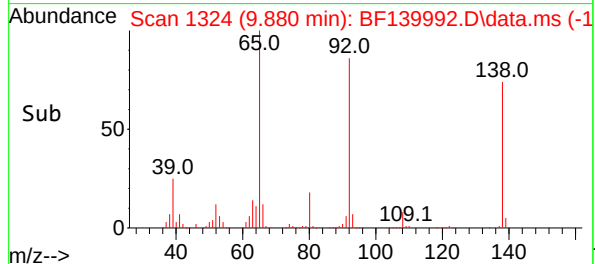
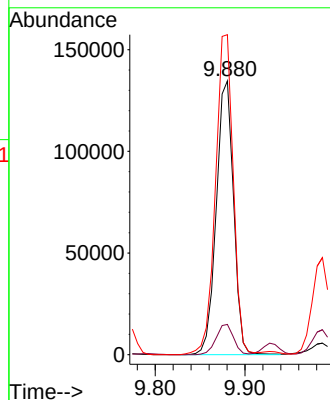
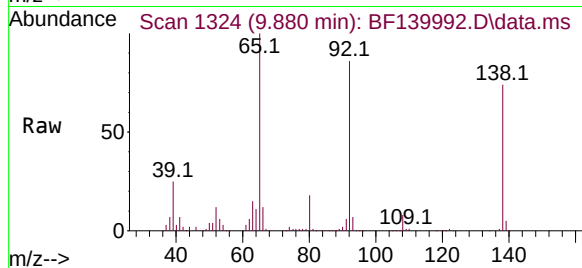
Tgt Ion:138 Resp: 180179

Ion Ratio Lower Upper

138 100

108 11.0 10.2 15.2

92 116.9 98.3 147.5



#54

2,4-Dinitrophenol

Concen: 129.360 ng

RT: 9.986 min Scan# 1342

Delta R.T. 0.012 min

Lab File: BF139992.D

Acq: 24 Oct 2024 10:52

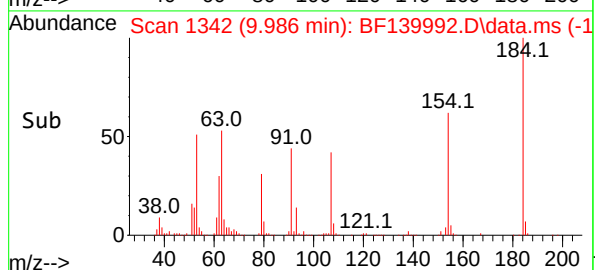
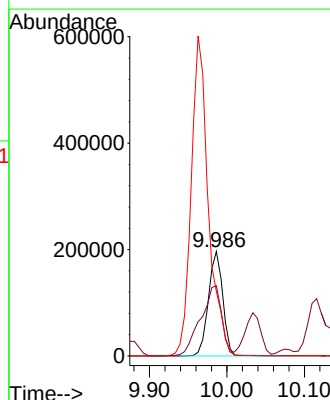
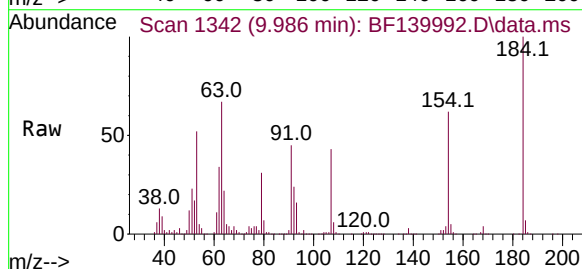
Tgt Ion:184 Resp: 253310

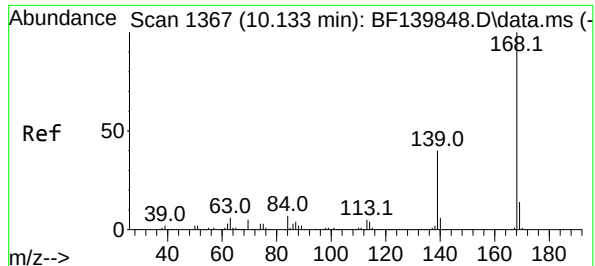
Ion Ratio Lower Upper

184 100

63 67.3 84.7 127.1#

154 61.8 338.2 507.2#





#55

Dibenzofuran

Concen: 46.165 ng

RT: 10.133 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF139992.D

Acq: 24 Oct 2024 10:52

Instrument :

BNA\_F

ClientSampleId :

PB164312BS

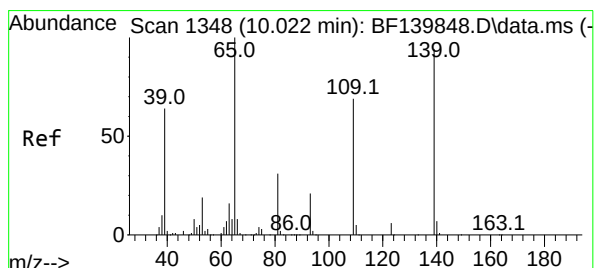
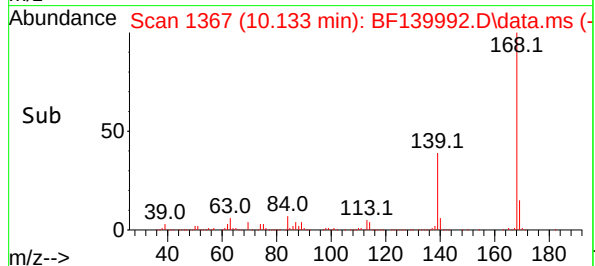
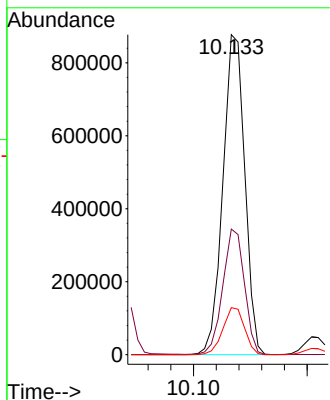
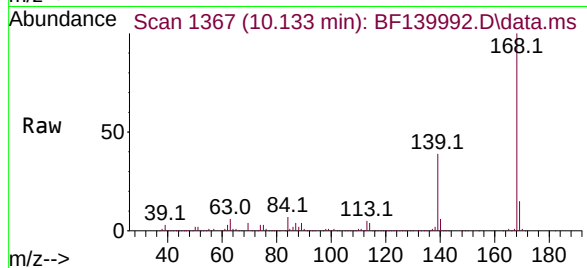
Tgt Ion:168 Resp: 1173942

Ion Ratio Lower Upper

168 100

139 39.3 31.8 47.6

169 14.7 11.6 17.4



#56

4-Nitrophenol

Concen: 100.737 ng

RT: 10.033 min Scan# 1350

Delta R.T. 0.012 min

Lab File: BF139992.D

Acq: 24 Oct 2024 10:52

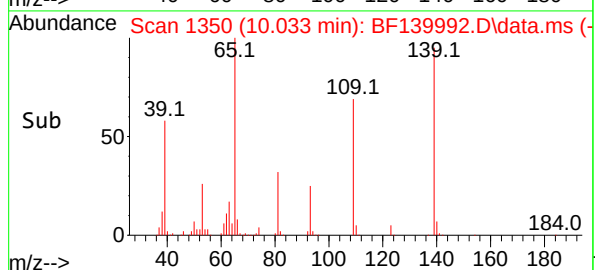
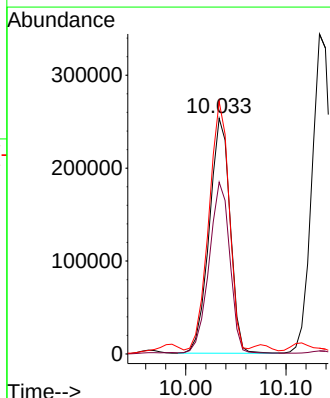
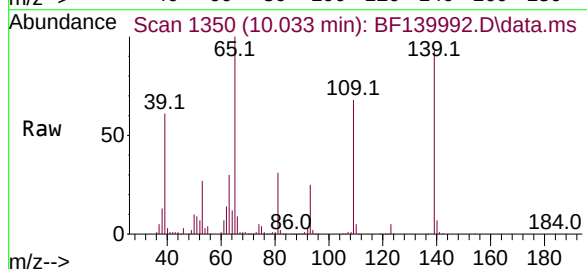
Tgt Ion:139 Resp: 364335

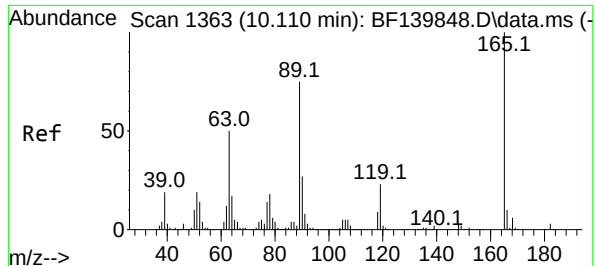
Ion Ratio Lower Upper

139 100

109 72.9 53.6 93.6

65 107.1 87.8 127.8





#57

2,4-Dinitrotoluene

Concen: 53.399 ng

RT: 10.116 min Scan# 1363

Delta R.T. 0.006 min

Lab File: BF139992.D

Acq: 24 Oct 2024 10:52

Instrument :

BNA\_F

ClientSampleId :

PB164312BS

Tgt Ion:165 Resp: 299344

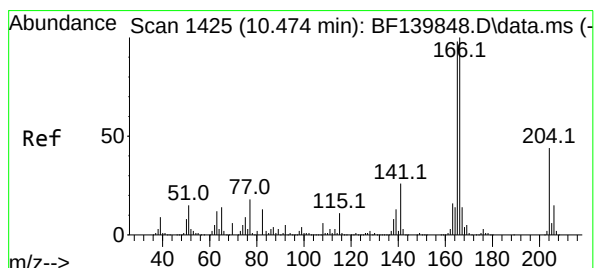
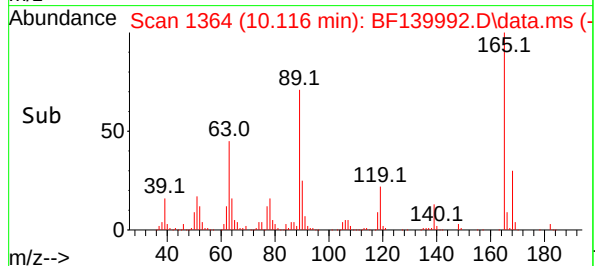
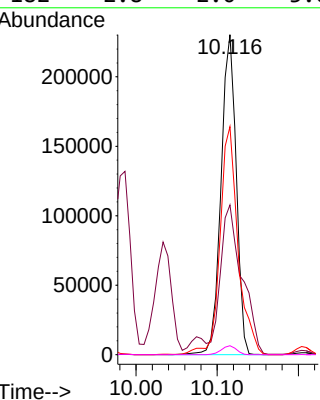
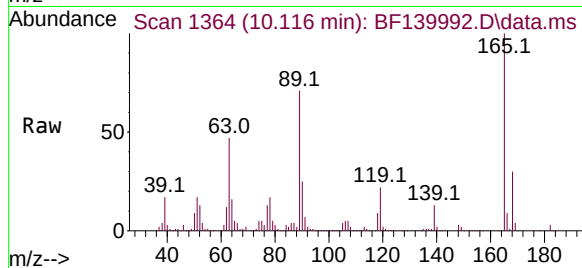
Ion Ratio Lower Upper

165 100

63 46.8 40.1 60.1

89 71.2 60.4 90.6

182 2.8 2.0 3.0



#58

Fluorene

Concen: 45.828 ng

RT: 10.480 min Scan# 1426

Delta R.T. 0.006 min

Lab File: BF139992.D

Acq: 24 Oct 2024 10:52

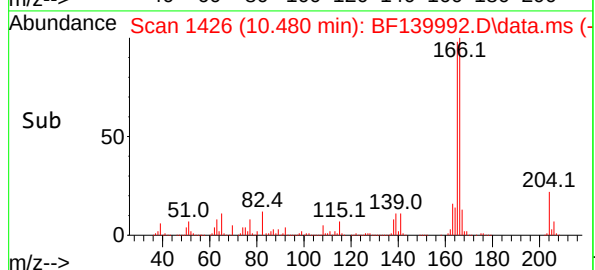
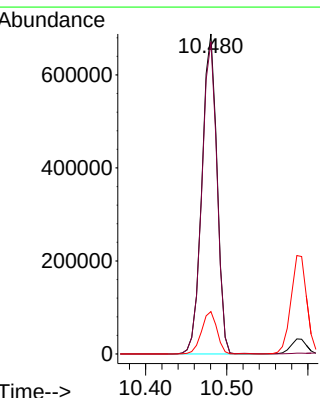
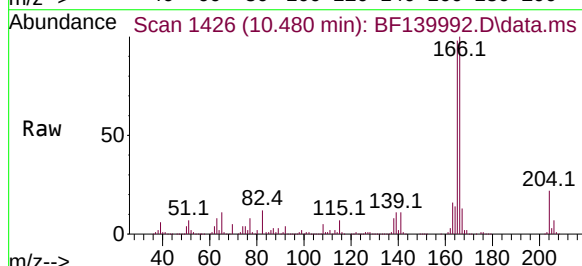
Tgt Ion:166 Resp: 887613

Ion Ratio Lower Upper

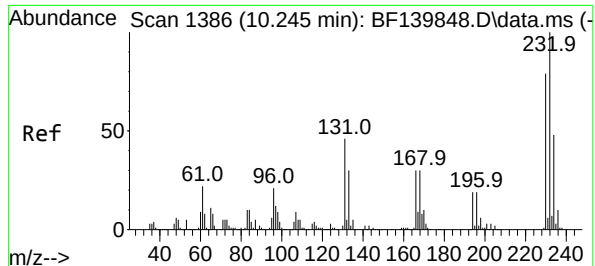
166 100

165 97.5 78.5 117.7

167 13.2 10.9 16.3







#59

2,3,4,6-Tetrachlorophenol

Concen: 50.592 ng

RT: 10.251 min Scan# 1387

Delta R.T. 0.006 min

Lab File: BF139992.D

Acq: 24 Oct 2024 10:52

Instrument :

BNA\_F

ClientSampleId :

PB164312BS

Tgt Ion:232 Resp: 264175

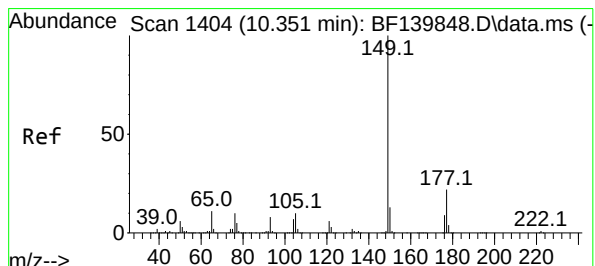
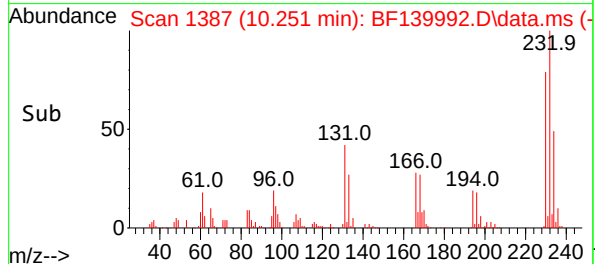
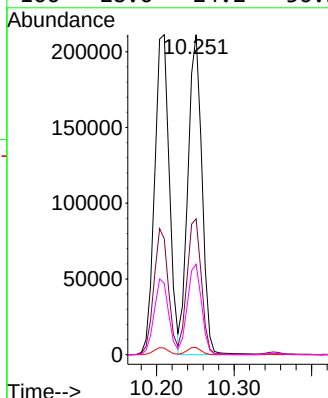
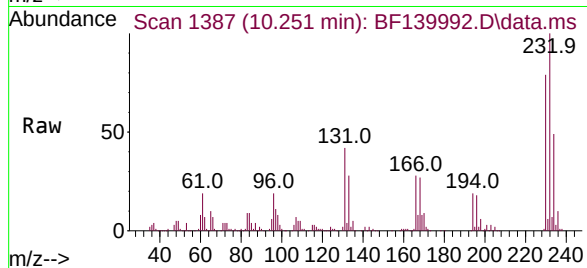
Ion Ratio Lower Upper

232 100

131 43.6 37.0 55.6

130 2.3 1.9 2.9

166 28.6 24.2 36.2



#60

Diethylphthalate

Concen: 45.861 ng

RT: 10.351 min Scan# 1404

Delta R.T. 0.000 min

Lab File: BF139992.D

Acq: 24 Oct 2024 10:52

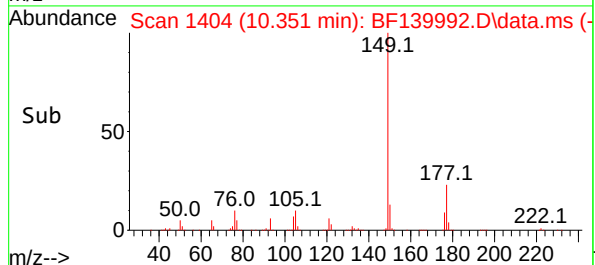
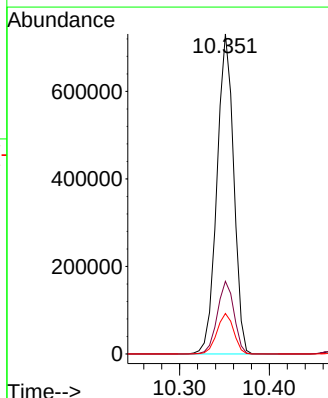
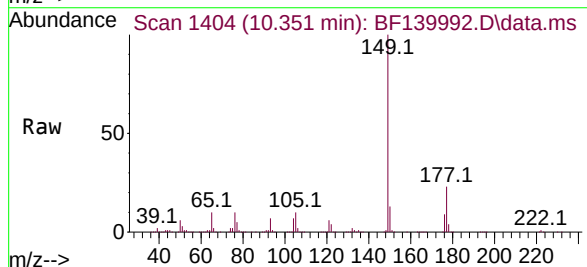
Tgt Ion:149 Resp: 948009

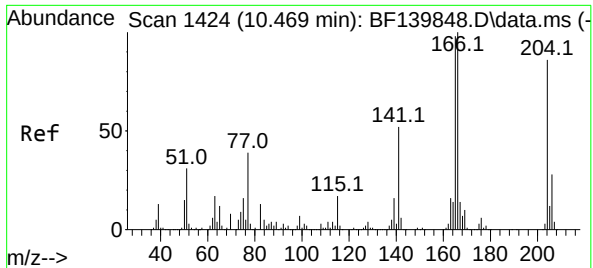
Ion Ratio Lower Upper

149 100

177 22.7 17.9 26.9

150 12.7 10.1 15.1

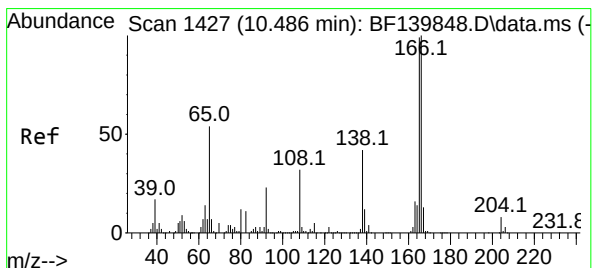
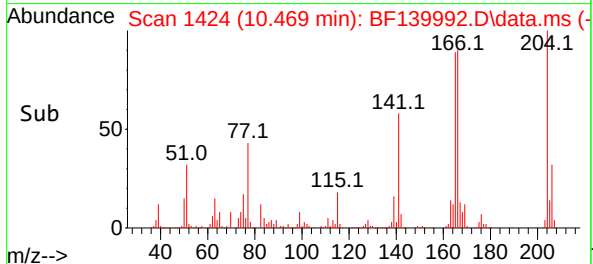
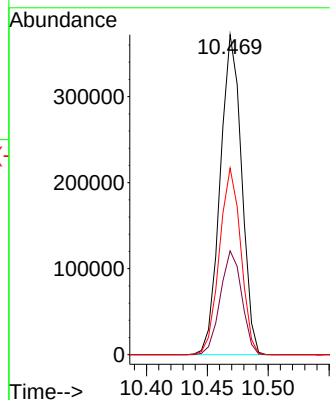
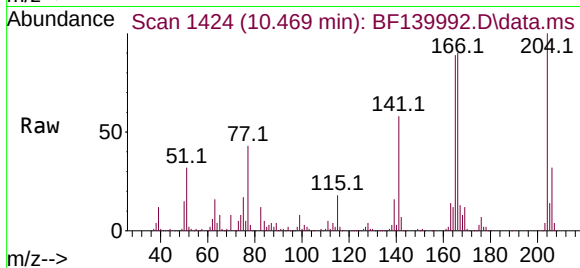




#61  
4-Chlorophenyl-phenylether  
Concen: 46.650 ng  
RT: 10.469 min Scan# 1424  
Delta R.T. 0.000 min  
Lab File: BF139992.D  
Acq: 24 Oct 2024 10:52

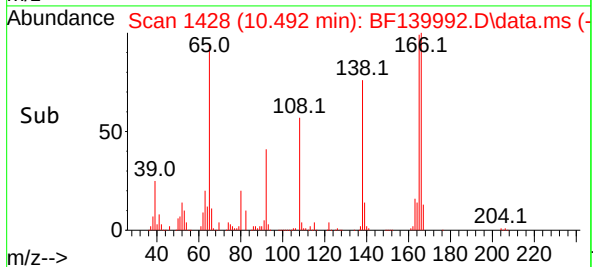
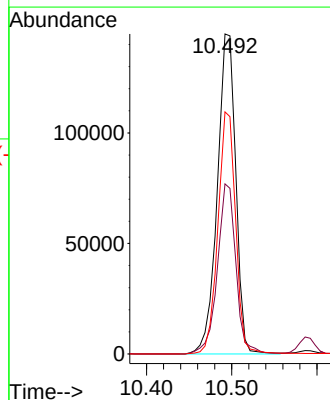
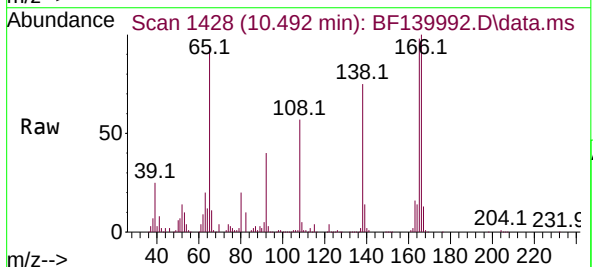
Instrument :  
BNA\_F  
ClientSampleId :  
PB164312BS

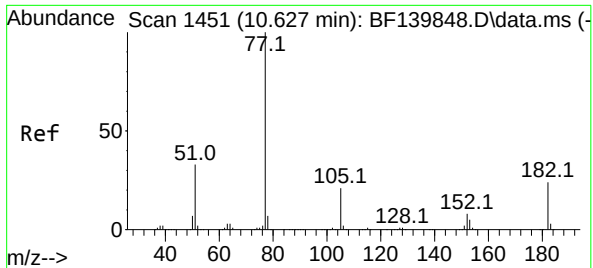
Tgt Ion:204 Resp: 456284  
Ion Ratio Lower Upper  
204 100  
206 32.5 26.3 39.5  
141 58.3 48.6 73.0



#62  
4-Nitroaniline  
Concen: 49.250 ng  
RT: 10.492 min Scan# 1428  
Delta R.T. 0.006 min  
Lab File: BF139992.D  
Acq: 24 Oct 2024 10:52

Tgt Ion:138 Resp: 218664  
Ion Ratio Lower Upper  
138 100  
92 53.1 35.7 75.7  
108 75.6 57.5 97.5

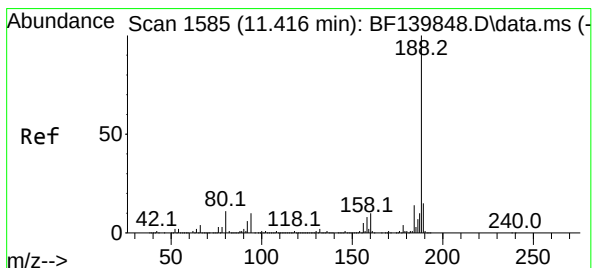
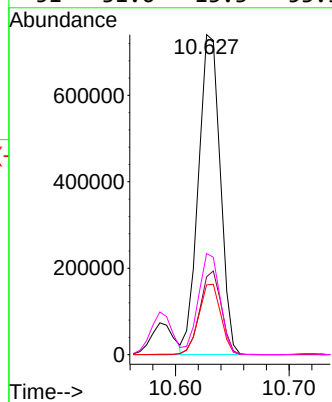
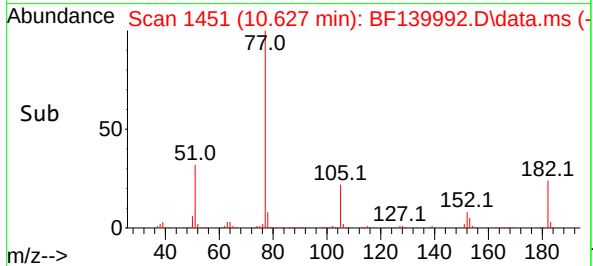
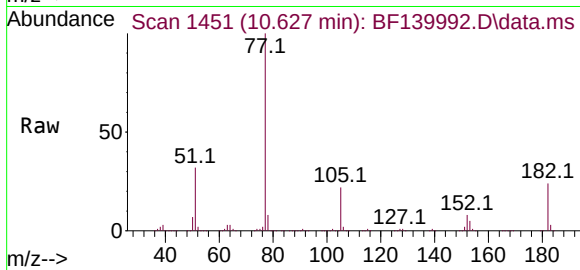




#63  
Azobenzene  
Concen: 45.159 ng  
RT: 10.627 min Scan# 1451  
Delta R.T. 0.000 min  
Lab File: BF139992.D  
Acq: 24 Oct 2024 10:52

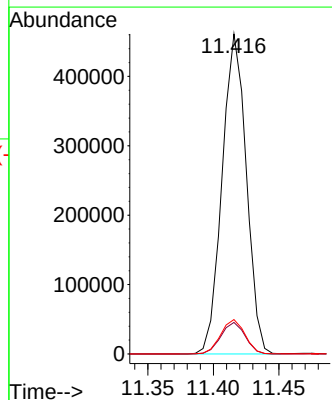
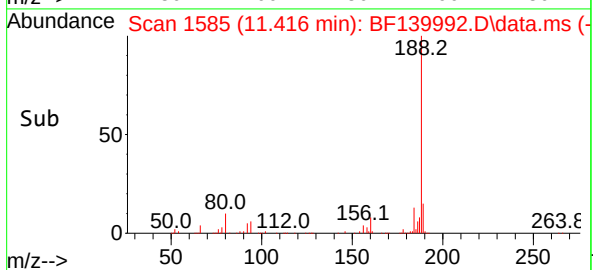
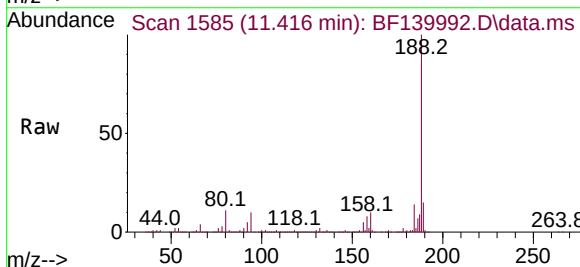
Instrument :  
BNA\_F  
ClientSampleId :  
PB164312BS

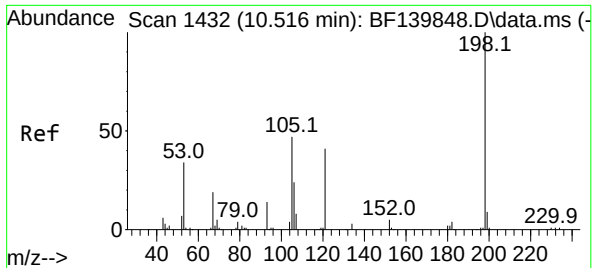
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 77    | Resp: | 989662 |
| Ion      | Ratio | Lower | Upper  |
| 77       | 100   |       |        |
| 182      | 24.4  | 3.3   | 43.3   |
| 105      | 21.8  | 1.2   | 41.2   |
| 51       | 31.6  | 13.3  | 53.3   |



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.416 min Scan# 1585  
Delta R.T. 0.000 min  
Lab File: BF139992.D  
Acq: 24 Oct 2024 10:52

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 188   | Resp: | 591954 |
| Ion      | Ratio | Lower | Upper  |
| 188      | 100   |       |        |
| 94       | 9.9   | 7.9   | 11.9   |
| 80       | 10.8  | 9.0   | 13.4   |

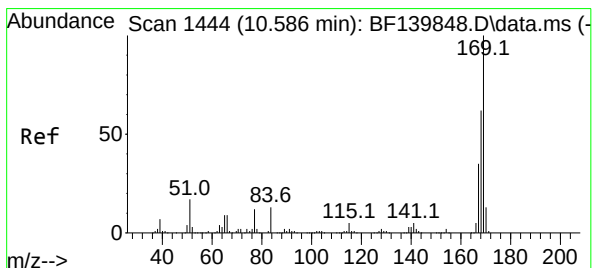
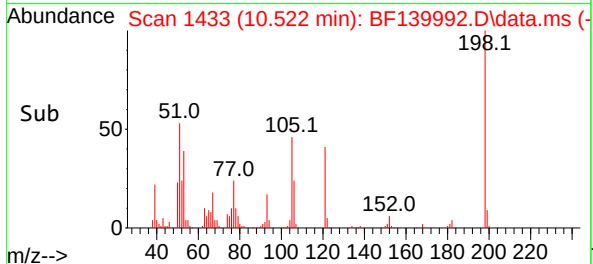
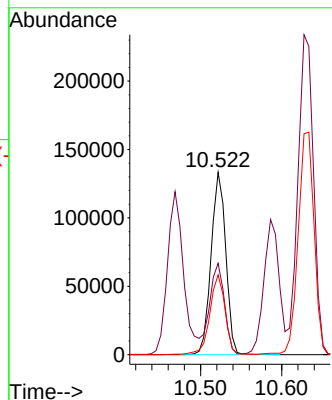
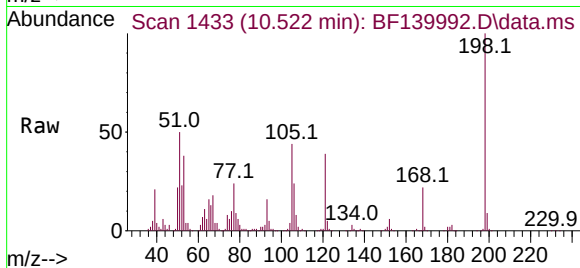




#65  
4,6-Dinitro-2-methylphenol  
Concen: 69.123 ng  
RT: 10.522 min Scan# 1433  
Delta R.T. 0.006 min  
Lab File: BF139992.D  
Acq: 24 Oct 2024 10:52

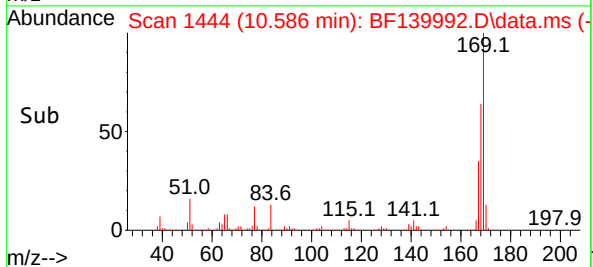
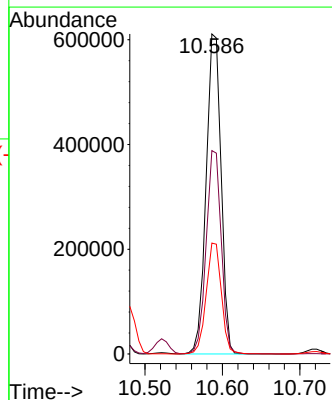
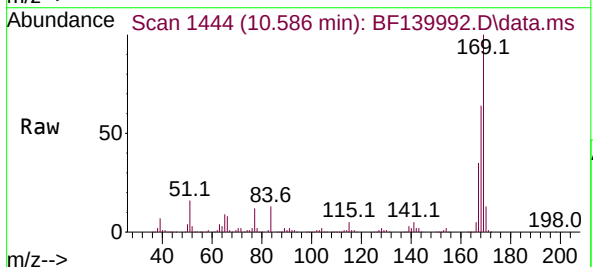
Instrument :  
BNA\_F  
ClientSampleId :  
PB164312BS

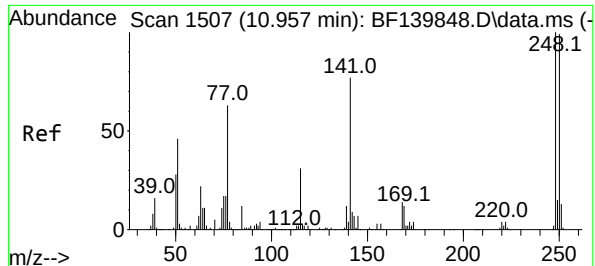
Tgt Ion:198 Resp: 166902  
Ion Ratio Lower Upper  
198 100  
51 50.1 38.2 78.2  
105 43.8 27.9 67.9



#66  
n-Nitrosodiphenylamine  
Concen: 46.233 ng  
RT: 10.586 min Scan# 1444  
Delta R.T. 0.000 min  
Lab File: BF139992.D  
Acq: 24 Oct 2024 10:52

Tgt Ion:169 Resp: 819107  
Ion Ratio Lower Upper  
169 100  
168 63.6 49.8 74.6  
167 34.6 28.0 42.0

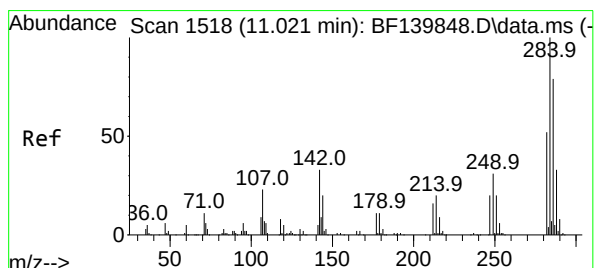
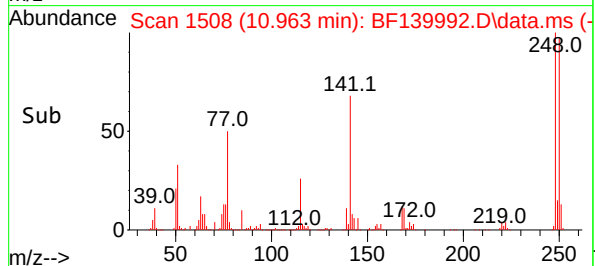
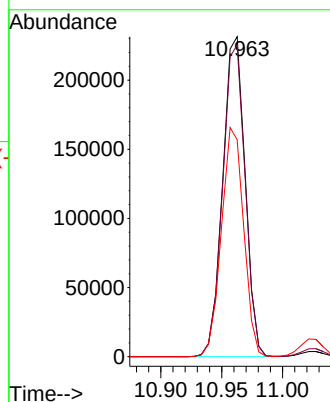
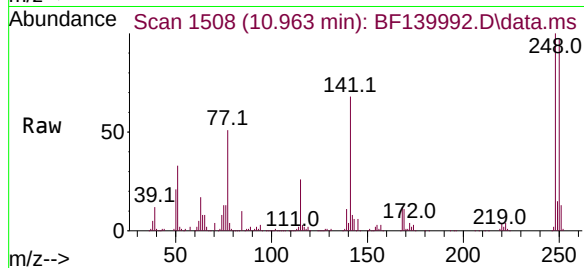




#67  
4-Bromophenyl-phenylether  
Concen: 48.648 ng  
RT: 10.963 min Scan# 1508  
Delta R.T. 0.006 min  
Lab File: BF139992.D  
Acq: 24 Oct 2024 10:52

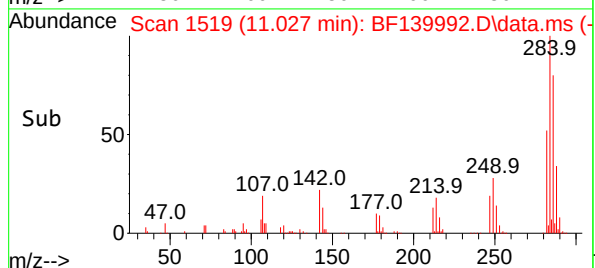
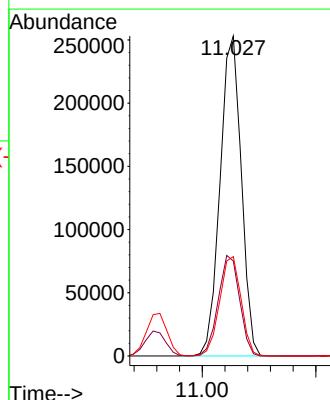
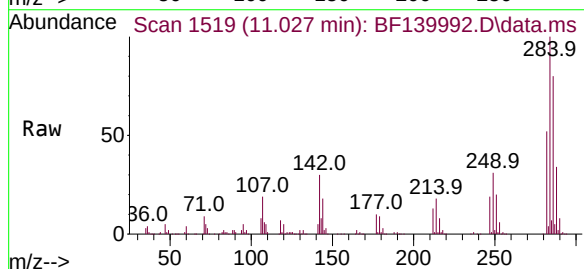
Instrument :  
BNA\_F  
ClientSampleId :  
PB164312BS

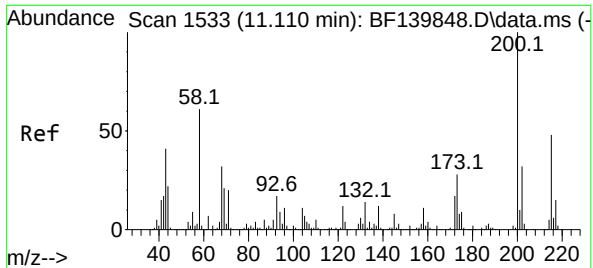
Tgt Ion:248 Resp: 296668  
Ion Ratio Lower Upper  
248 100  
250 97.4 79.0 118.6  
141 67.8 61.7 92.5



#68  
Hexachlorobenzene  
Concen: 47.870 ng  
RT: 11.027 min Scan# 1519  
Delta R.T. 0.006 min  
Lab File: BF139992.D  
Acq: 24 Oct 2024 10:52

Tgt Ion:284 Resp: 328315  
Ion Ratio Lower Upper  
284 100  
142 29.7 26.9 40.3  
249 31.1 25.3 37.9





#69

Atrazine

Concen: 55.466 ng

RT: 11.116 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF139992.D

Acq: 24 Oct 2024 10:52

Instrument :

BNA\_F

ClientSampleId :

PB164312BS

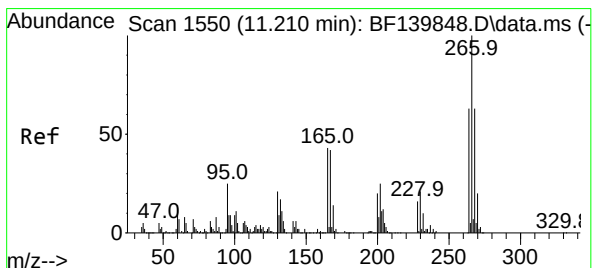
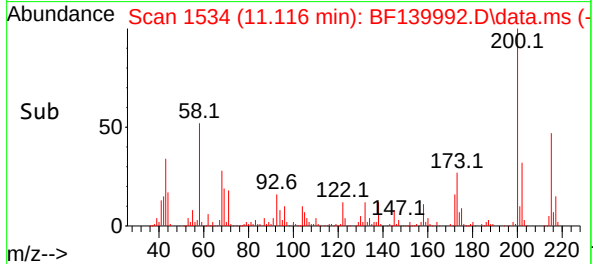
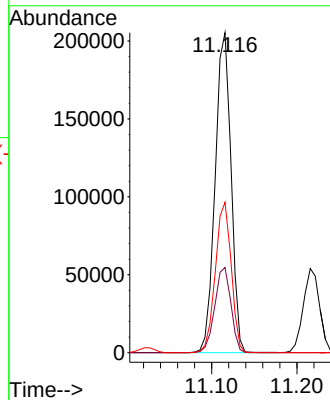
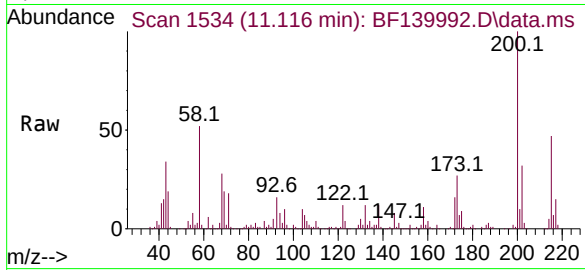
Tgt Ion:200 Resp: 266196

Ion Ratio Lower Upper

200 100

173 26.6 7.7 47.7

215 47.0 27.7 67.7



#70

Pentachlorophenol

Concen: 96.904 ng

RT: 11.216 min Scan# 1551

Delta R.T. 0.006 min

Lab File: BF139992.D

Acq: 24 Oct 2024 10:52

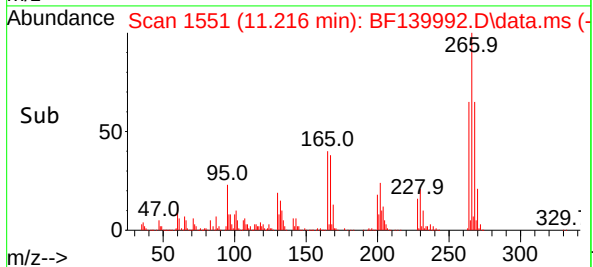
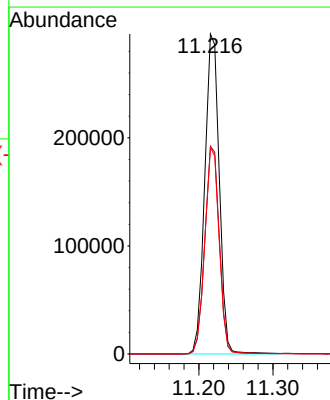
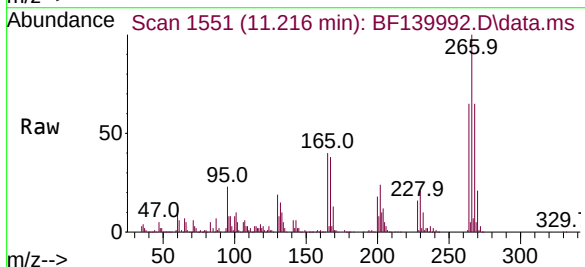
Tgt Ion:266 Resp: 403359

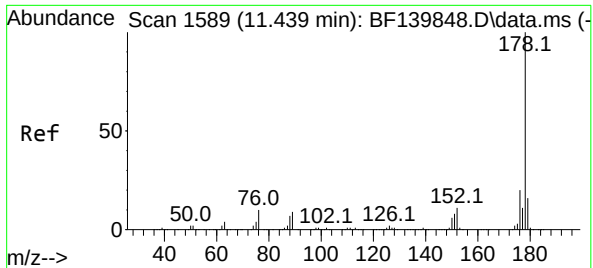
Ion Ratio Lower Upper

266 100

268 64.9 50.4 75.6

264 64.6 50.6 75.8

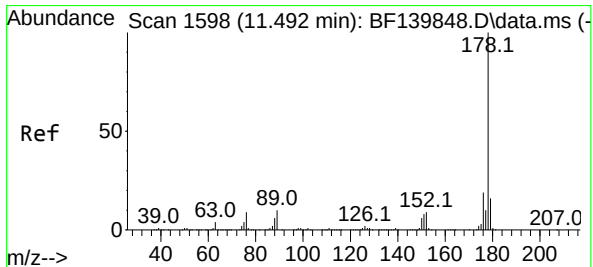
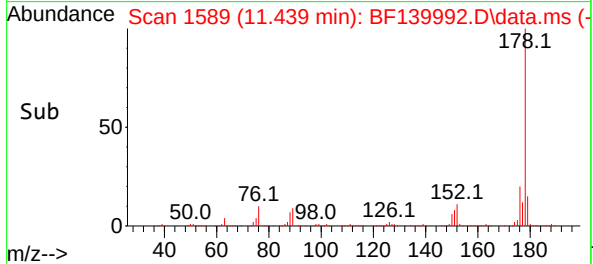
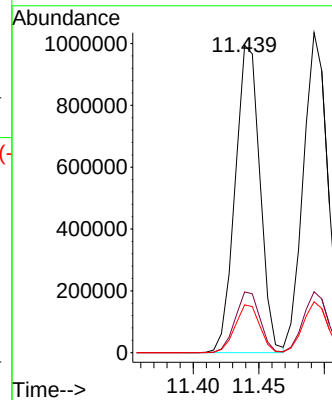
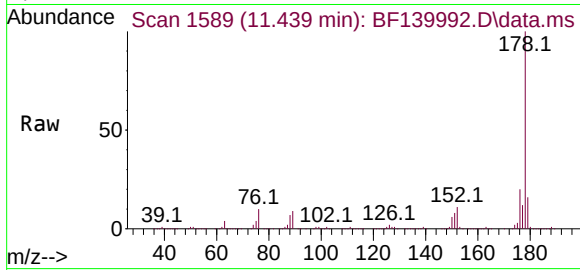




#71  
Phenanthrene  
Concen: 46.868 ng  
RT: 11.439 min Scan# 1589  
Delta R.T. 0.000 min  
Lab File: BF139992.D  
Acq: 24 Oct 2024 10:52

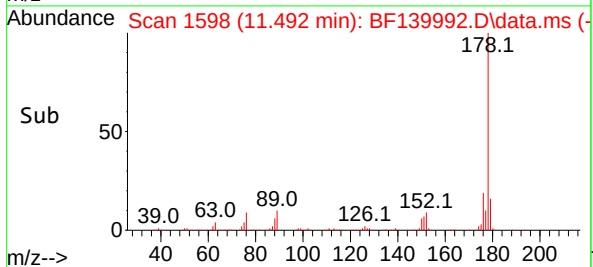
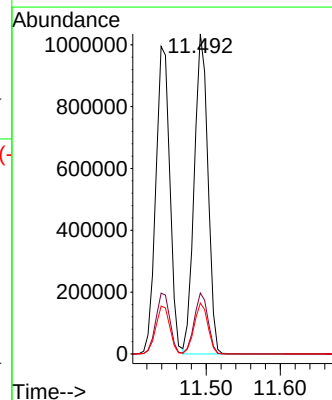
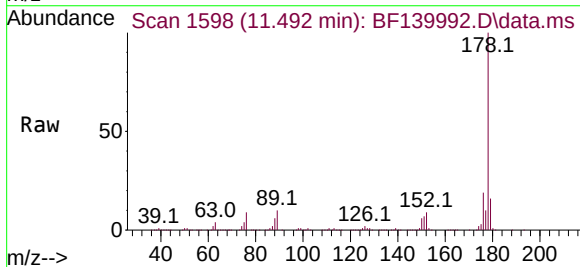
Instrument :  
BNA\_F  
ClientSampleId :  
PB164312BS

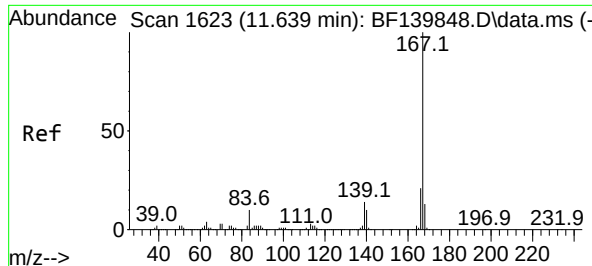
Tgt Ion:178 Resp: 1310493  
Ion Ratio Lower Upper  
178 100  
176 19.8 15.8 23.6  
179 15.5 12.6 18.8



#72  
Anthracene  
Concen: 48.475 ng  
RT: 11.492 min Scan# 1598  
Delta R.T. 0.000 min  
Lab File: BF139992.D  
Acq: 24 Oct 2024 10:52

Tgt Ion:178 Resp: 1322483  
Ion Ratio Lower Upper  
178 100  
176 19.1 15.3 22.9  
179 15.9 12.4 18.6





#73

Carbazole

Concen: 44.618 ng

RT: 11.645 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF139992.D

Acq: 24 Oct 2024 10:52

Instrument :

BNA\_F

ClientSampleId :

PB164312BS

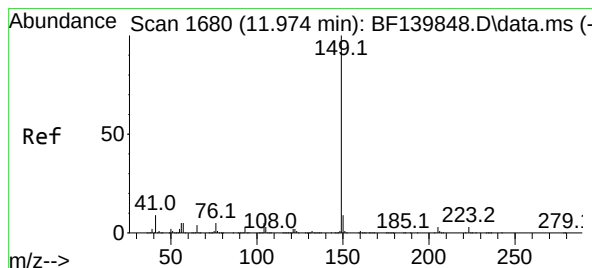
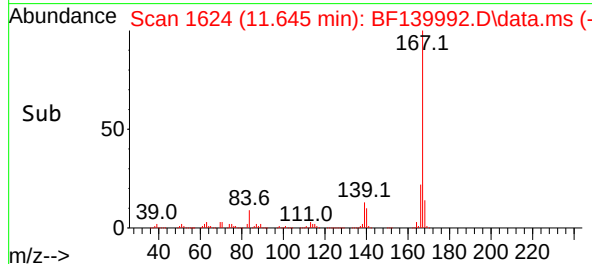
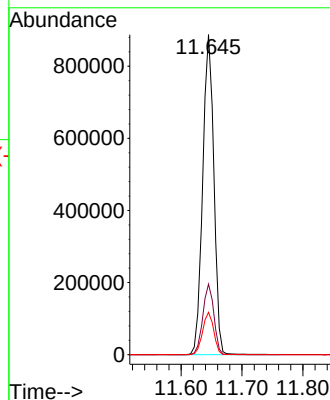
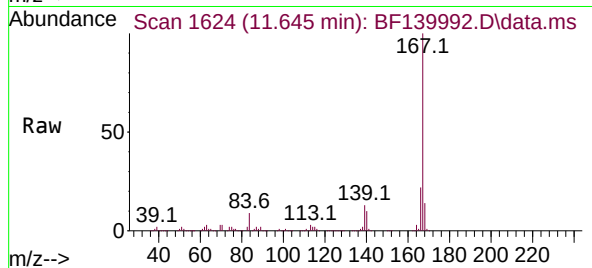
Tgt Ion:167 Resp: 1132071

Ion Ratio Lower Upper

167 100

166 22.0 17.0 25.6

139 13.3 10.8 16.2



#74

Di-n-butylphthalate

Concen: 46.055 ng

RT: 11.974 min Scan# 1680

Delta R.T. 0.000 min

Lab File: BF139992.D

Acq: 24 Oct 2024 10:52

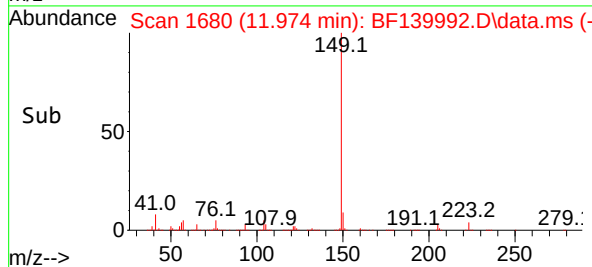
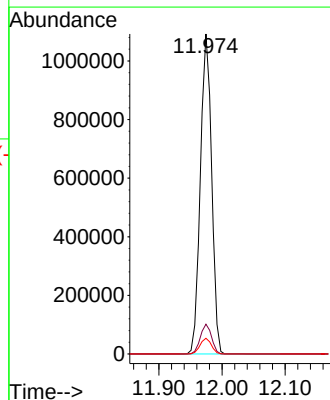
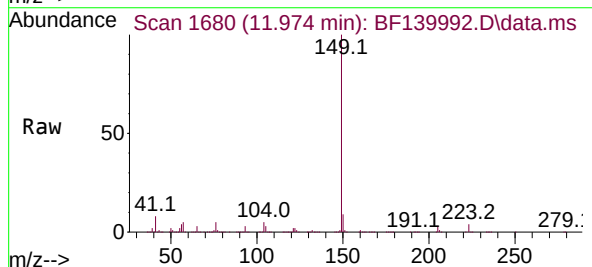
Tgt Ion:149 Resp: 1350031

Ion Ratio Lower Upper

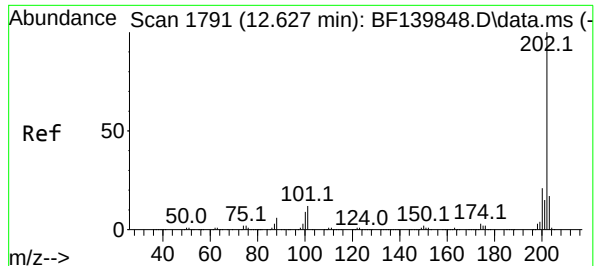
149 100

150 9.3 7.5 11.3

104 4.9 4.1 6.1







#75

Fluoranthene

Concen: 44.631 ng

RT: 12.627 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF139992.D

Acq: 24 Oct 2024 10:52

Instrument :

BNA\_F

ClientSampleId :

PB164312BS

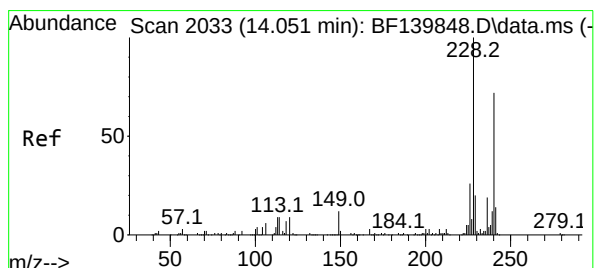
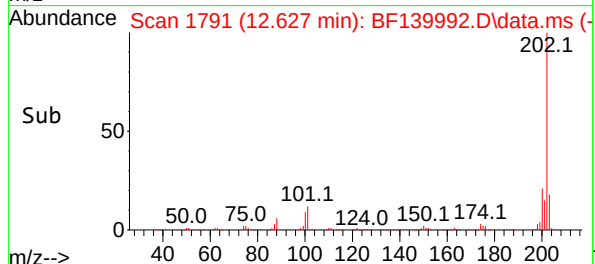
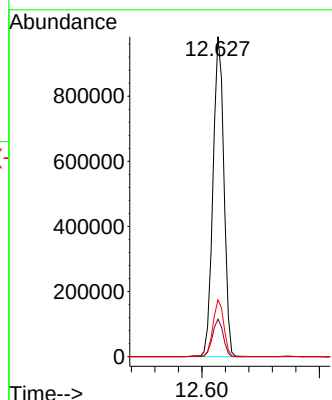
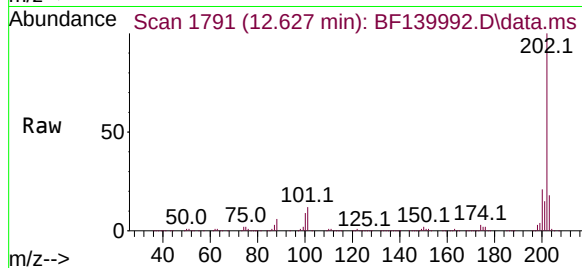
Tgt Ion:202 Resp: 1261587

Ion Ratio Lower Upper

202 100

101 11.7 0.0 31.9

203 17.8 0.0 37.5



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.057 min Scan# 2034

Delta R.T. 0.006 min

Lab File: BF139992.D

Acq: 24 Oct 2024 10:52

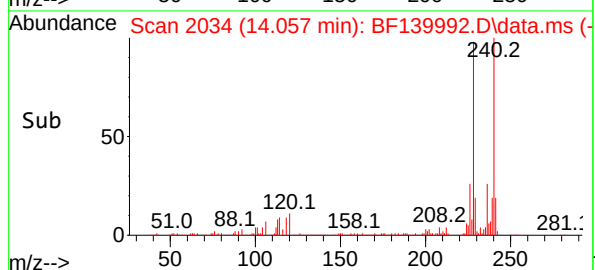
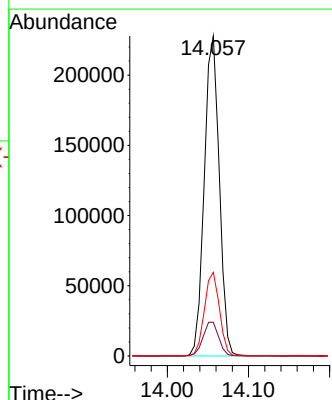
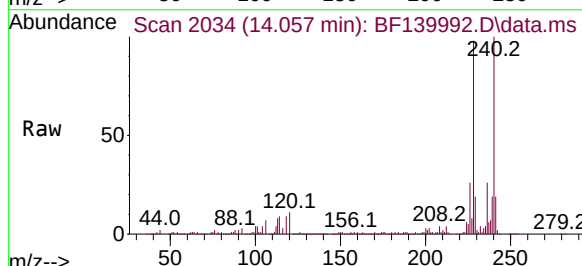
Tgt Ion:240 Resp: 292113

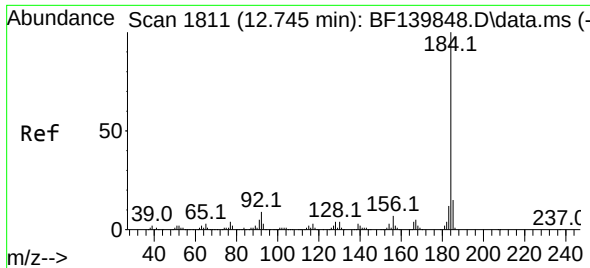
Ion Ratio Lower Upper

240 100

120 10.5 9.4 14.2

236 26.1 20.9 31.3

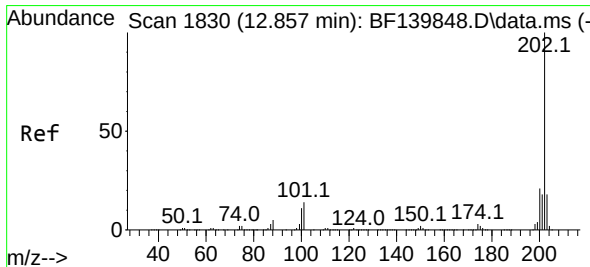
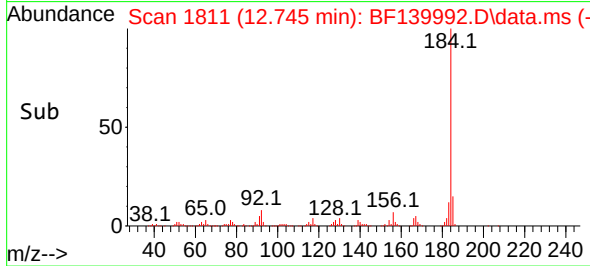
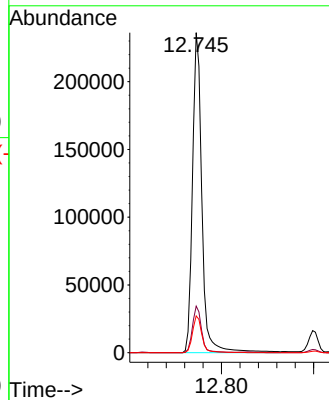
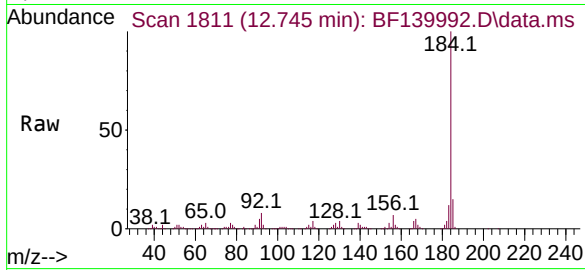




#77  
Benzidine  
Concen: 69.588 ng  
RT: 12.745 min Scan# 1811  
Delta R.T. -0.000 min  
Lab File: BF139992.D  
Acq: 24 Oct 2024 10:52

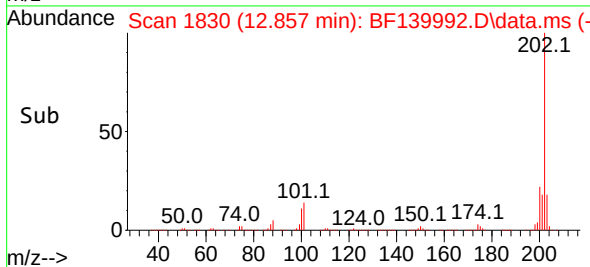
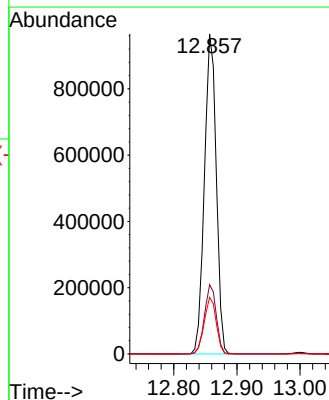
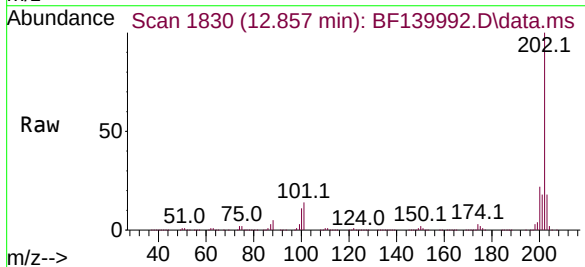
Instrument :  
BNA\_F  
ClientSampleId :  
PB164312BS

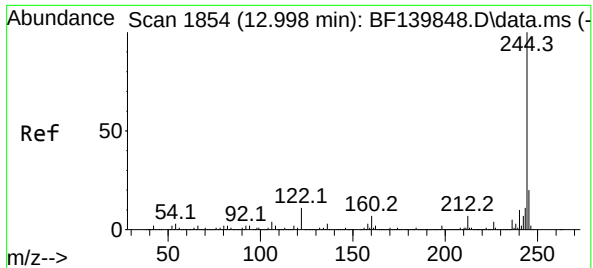
Tgt Ion:184 Resp: 334255  
Ion Ratio Lower Upper  
184 100  
185 14.6 12.0 18.0  
183 11.5 9.4 14.2



#78  
Pyrene  
Concen: 49.250 ng  
RT: 12.857 min Scan# 1830  
Delta R.T. 0.000 min  
Lab File: BF139992.D  
Acq: 24 Oct 2024 10:52

Tgt Ion:202 Resp: 1259310  
Ion Ratio Lower Upper  
202 100  
200 21.7 17.2 25.8  
203 17.7 14.2 21.4





#79

Terphenyl-d14

Concen: 104.940 ng

RT: 12.998 min Scan# 1854

Delta R.T. 0.000 min

Lab File: BF139992.D

Acq: 24 Oct 2024 10:52

Instrument :

BNA\_F

ClientSampleId :

PB164312BS

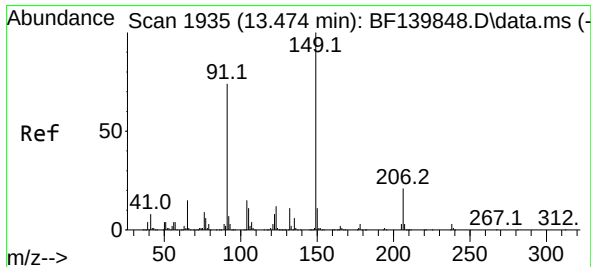
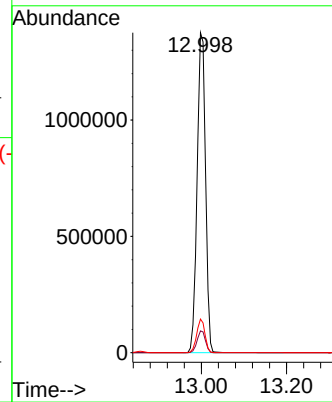
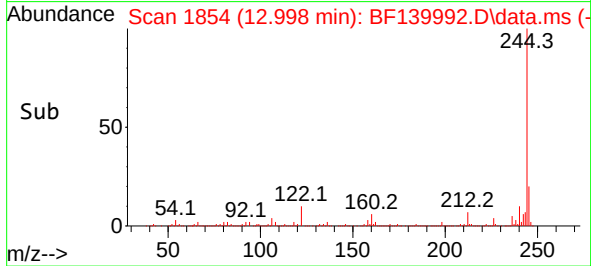
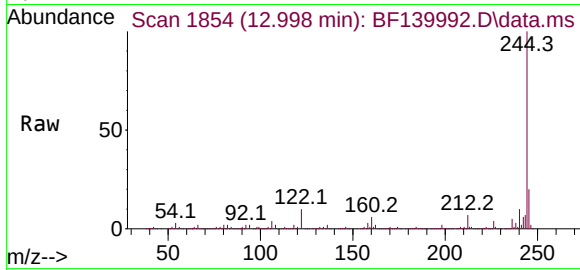
Tgt Ion:244 Resp: 1881226

Ion Ratio Lower Upper

244 100

212 6.8 5.7 8.5

122 10.5 8.6 13.0



#80

Butylbenzylphthalate

Concen: 51.518 ng

RT: 13.474 min Scan# 1935

Delta R.T. 0.000 min

Lab File: BF139992.D

Acq: 24 Oct 2024 10:52

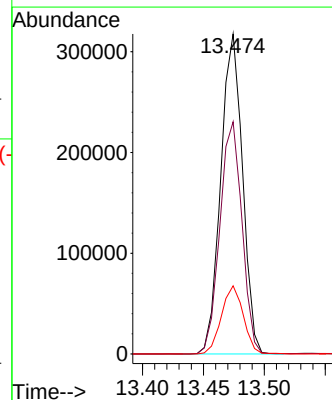
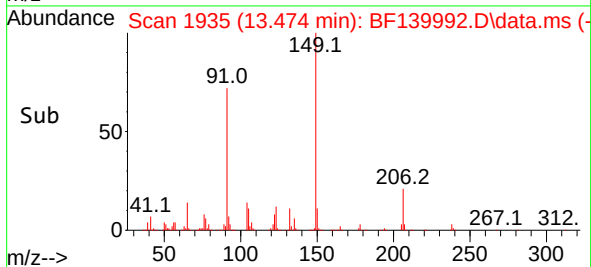
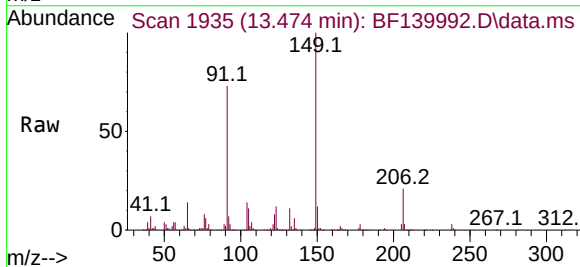
Tgt Ion:149 Resp: 394925

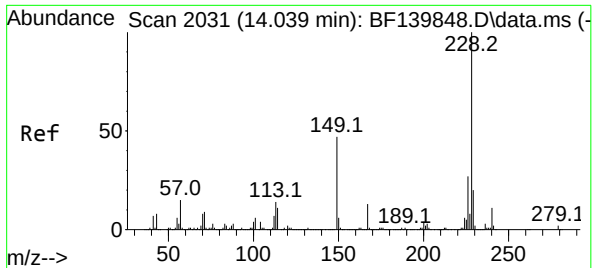
Ion Ratio Lower Upper

149 100

91 72.5 59.4 89.2

206 21.3 16.4 24.6

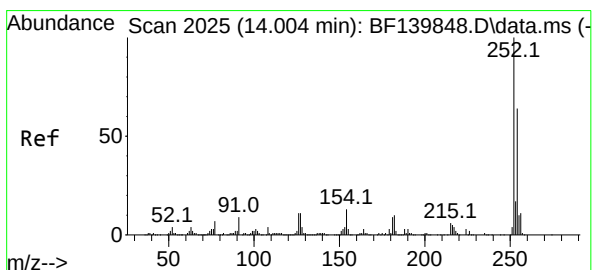
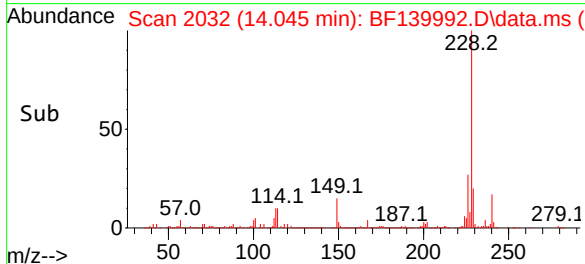
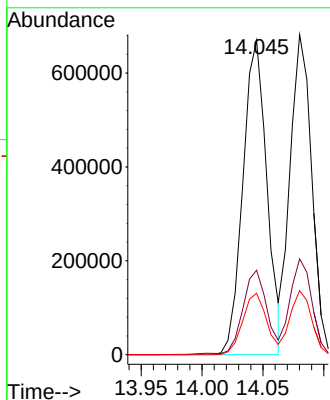
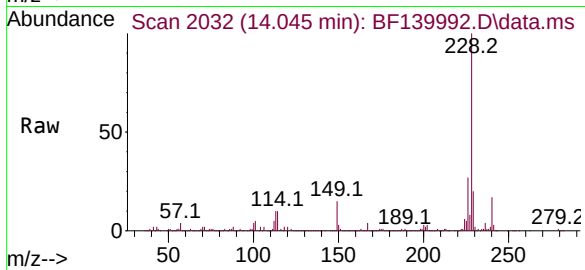




#81  
Benzo(a)anthracene  
Concen: 48.312 ng  
RT: 14.045 min Scan# 2031  
Delta R.T. 0.006 min  
Lab File: BF139992.D  
Acq: 24 Oct 2024 10:52

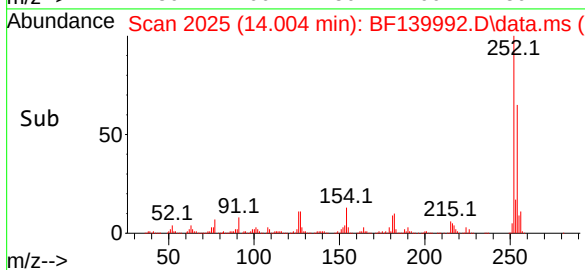
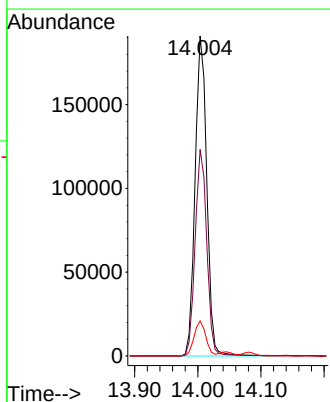
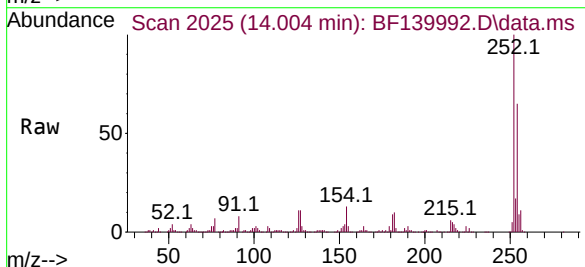
Instrument :  
BNA\_F  
ClientSampleId :  
PB164312BS

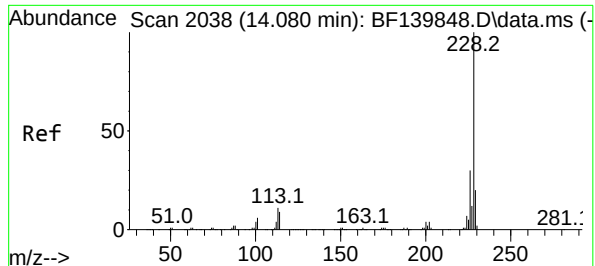
Tgt Ion:228 Resp: 918683  
Ion Ratio Lower Upper  
228 100  
226 26.9 21.6 32.4  
229 19.6 16.1 24.1



#82  
3,3'-Dichlorobenzidine  
Concen: 44.296 ng  
RT: 14.004 min Scan# 2025  
Delta R.T. 0.000 min  
Lab File: BF139992.D  
Acq: 24 Oct 2024 10:52

Tgt Ion:252 Resp: 245591  
Ion Ratio Lower Upper  
252 100  
254 64.5 50.8 76.2  
126 11.0 8.9 13.3





#83

Chrysene

Concen: 48.440 ng

RT: 14.080 min Scan# 2038

Delta R.T. 0.000 min

Lab File: BF139992.D

Acq: 24 Oct 2024 10:52

Instrument :

BNA\_F

ClientSampleId :

PB164312BS

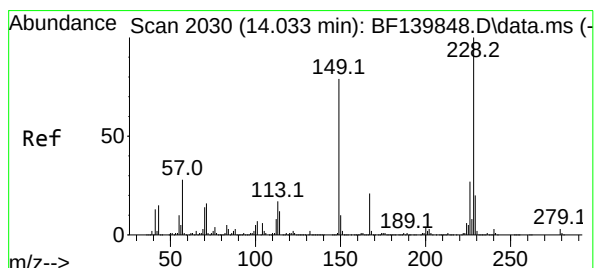
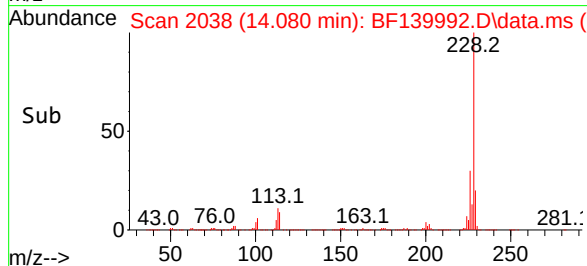
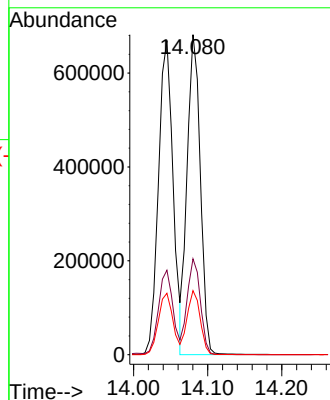
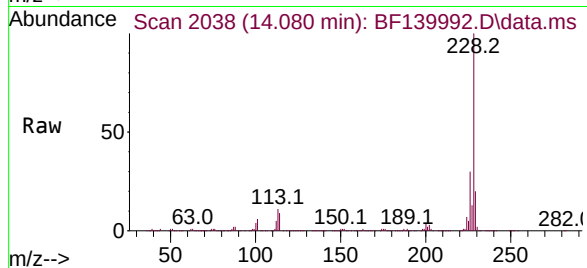
Tgt Ion:228 Resp: 844559

Ion Ratio Lower Upper

228 100

226 29.9 24.1 36.1

229 20.0 15.8 23.6



#84

Bis(2-ethylhexyl)phthalate

Concen: 52.414 ng

RT: 14.033 min Scan# 2030

Delta R.T. 0.000 min

Lab File: BF139992.D

Acq: 24 Oct 2024 10:52

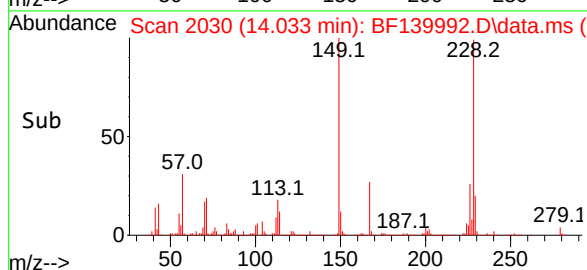
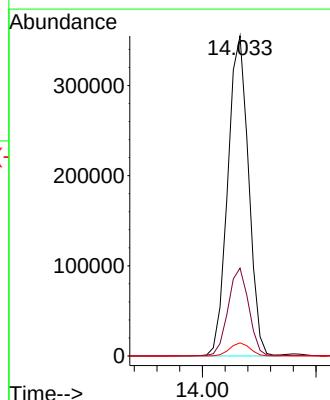
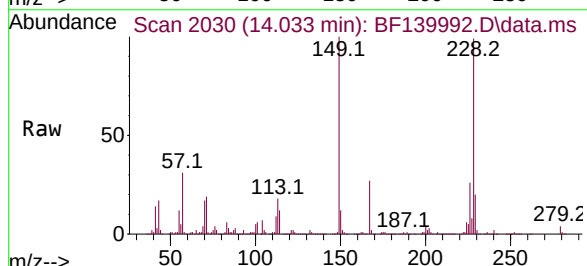
Tgt Ion:149 Resp: 450798

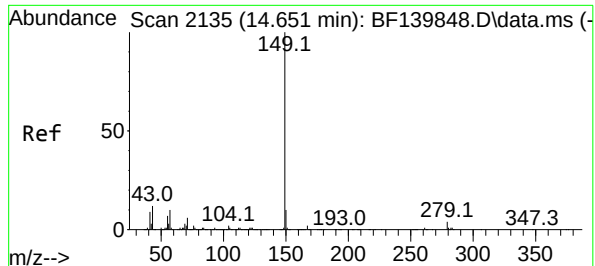
Ion Ratio Lower Upper

149 100

167 27.4 21.4 32.0

279 4.1 3.0 4.4

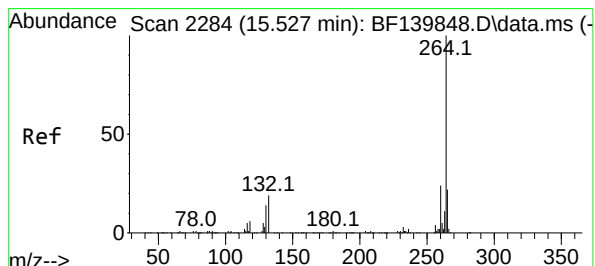
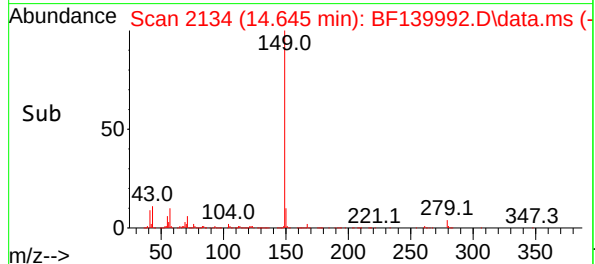
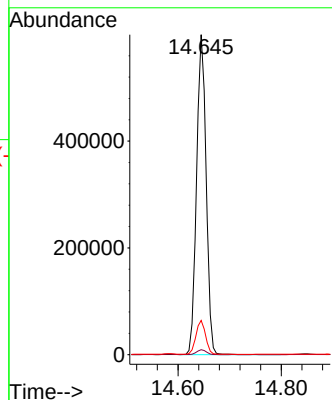
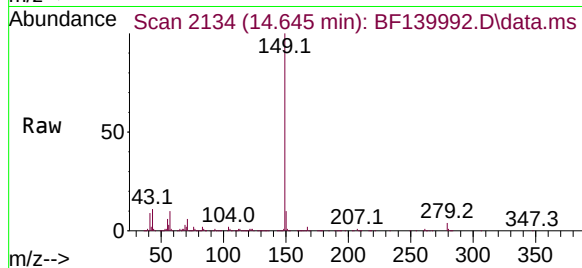




#85  
Di-n-octyl phthalate  
Concen: 49.299 ng  
RT: 14.645 min Scan# 2135  
Delta R.T. -0.006 min  
Lab File: BF139992.D  
Acq: 24 Oct 2024 10:52

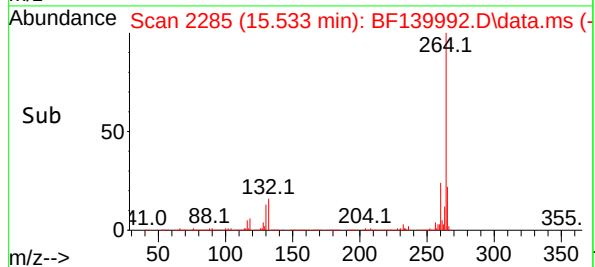
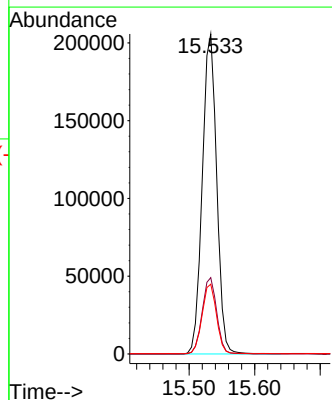
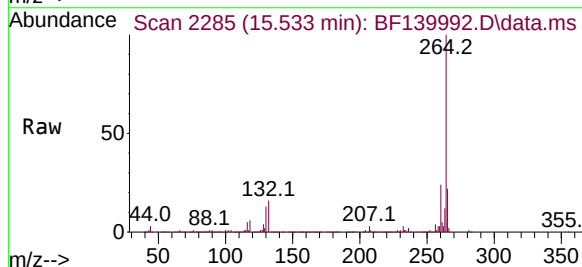
Instrument :  
BNA\_F  
ClientSampleId :  
PB164312BS

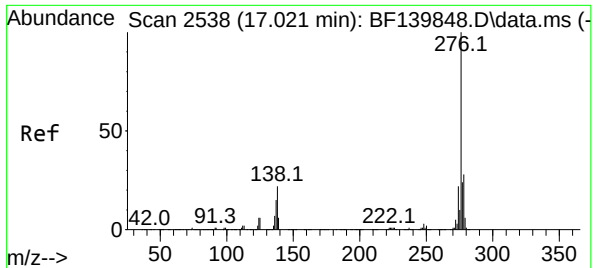
Tgt Ion:149 Resp: 771205  
Ion Ratio Lower Upper  
149 100  
167 1.6 1.2 1.8  
43 10.6 9.8 14.6



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.533 min Scan# 2285  
Delta R.T. 0.006 min  
Lab File: BF139992.D  
Acq: 24 Oct 2024 10:52

Tgt Ion:264 Resp: 314861  
Ion Ratio Lower Upper  
264 100  
260 23.9 19.4 29.2  
265 21.8 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 54.221 ng

RT: 17.033 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF139992.D

Acq: 24 Oct 2024 10:52

Instrument :

BNA\_F

ClientSampleId :

PB164312BS

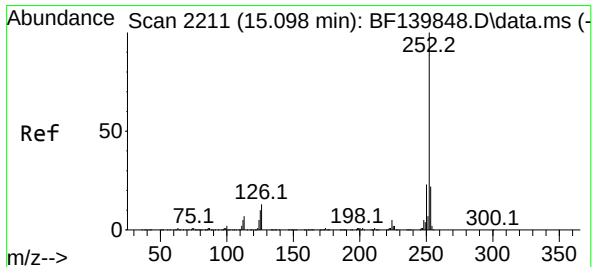
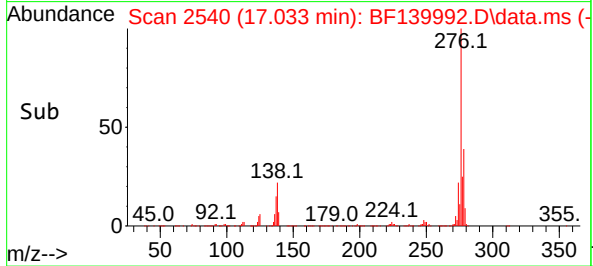
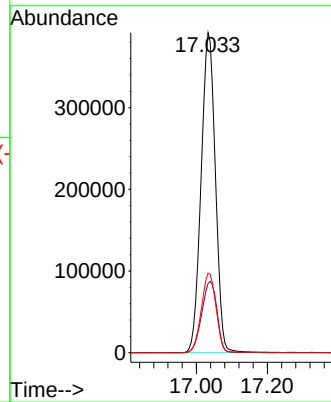
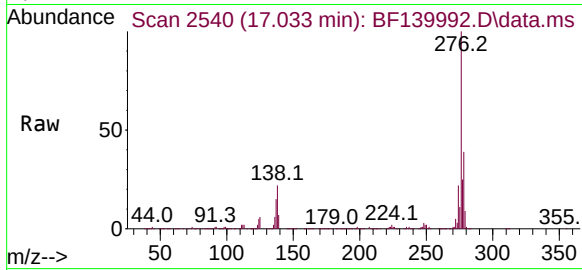
Tgt Ion:276 Resp: 1098295

Ion Ratio Lower Upper

276 100

138 23.8 20.4 30.6

277 25.5 20.2 30.4



#88

Benzo(b)fluoranthene

Concen: 48.069 ng

RT: 15.098 min Scan# 2211

Delta R.T. 0.000 min

Lab File: BF139992.D

Acq: 24 Oct 2024 10:52

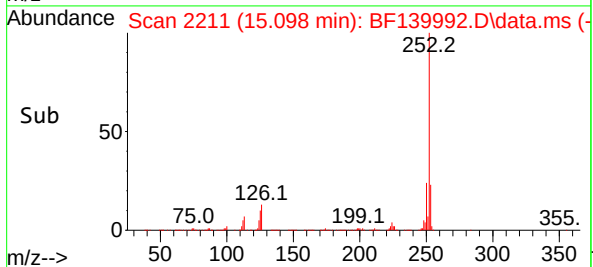
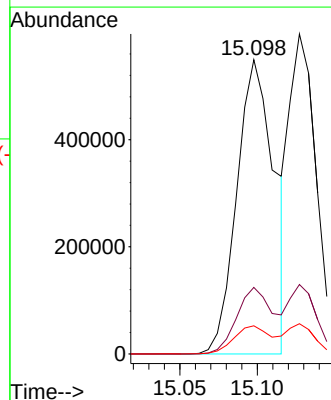
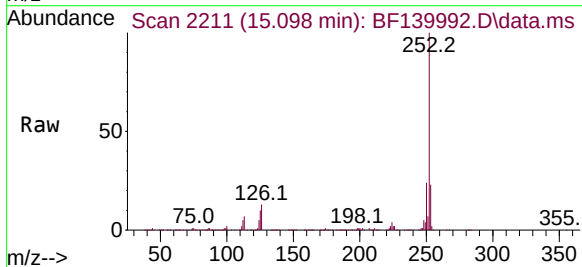
Tgt Ion:252 Resp: 921966

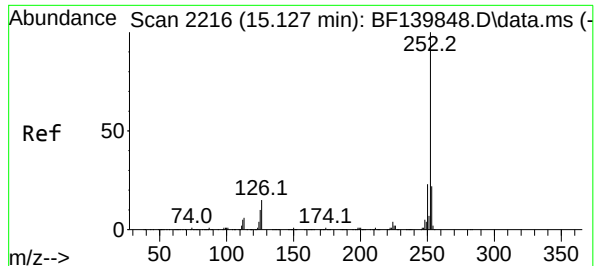
Ion Ratio Lower Upper

252 100

253 22.6 17.6 26.4

125 9.6 7.9 11.9





#89

Benzo(k)fluoranthene

Concen: 43.795 ng

RT: 15.127 min Scan# 2216

Delta R.T. 0.000 min

Lab File: BF139992.D

Acq: 24 Oct 2024 10:52

Instrument :

BNA\_F

ClientSampleId :

PB164312BS

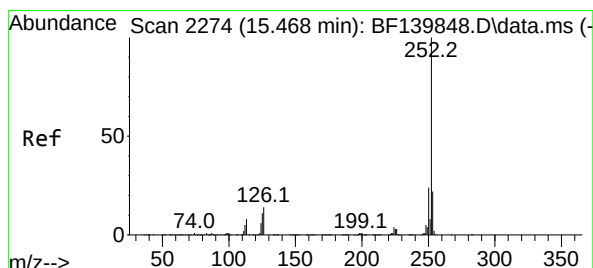
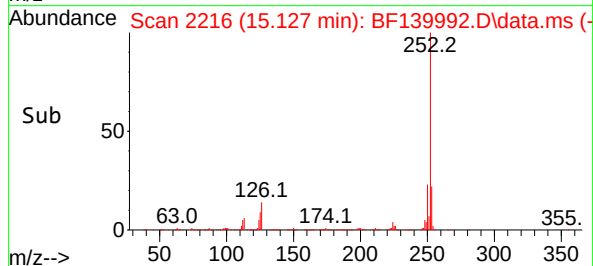
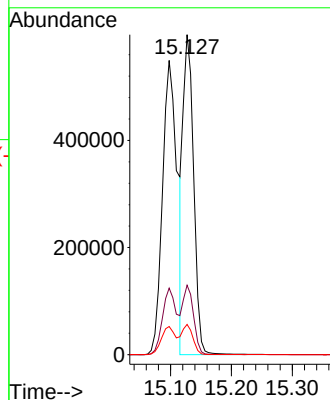
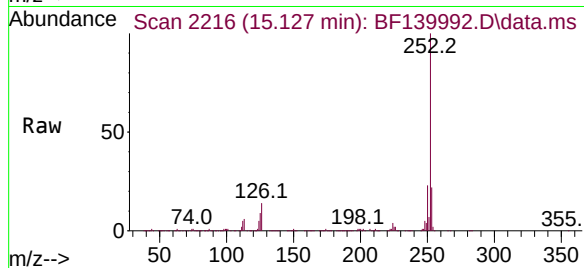
Tgt Ion:252 Resp: 724415

Ion Ratio Lower Upper

252 100

253 21.7 17.6 26.4

125 9.4 7.9 11.9



#90

Benzo(a)pyrene

Concen: 50.915 ng

RT: 15.468 min Scan# 2274

Delta R.T. 0.000 min

Lab File: BF139992.D

Acq: 24 Oct 2024 10:52

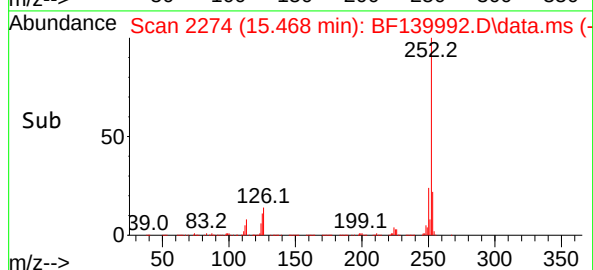
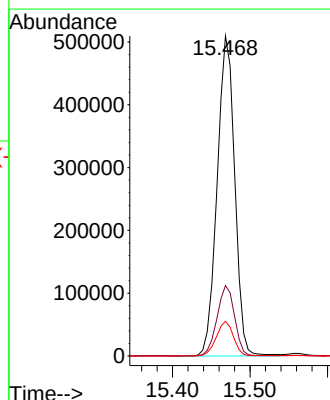
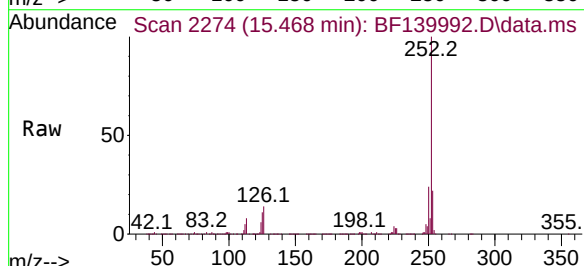
Tgt Ion:252 Resp: 803529

Ion Ratio Lower Upper

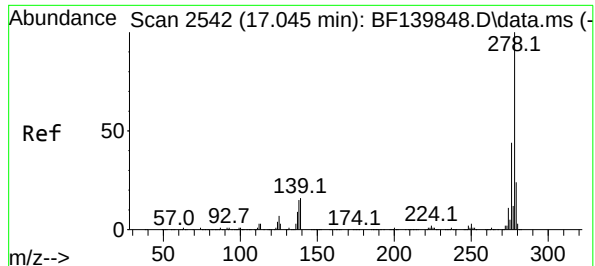
252 100

253 22.0 17.3 25.9

125 10.8 8.7 13.1



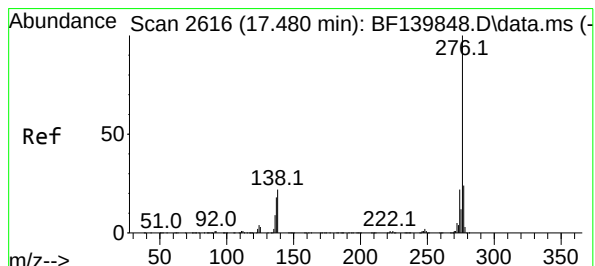
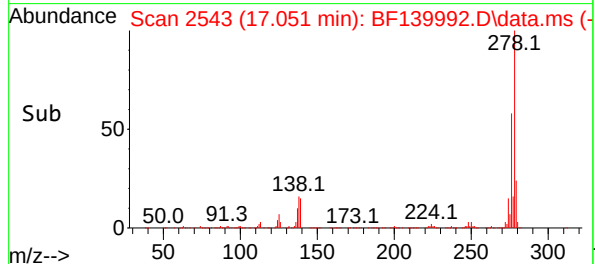
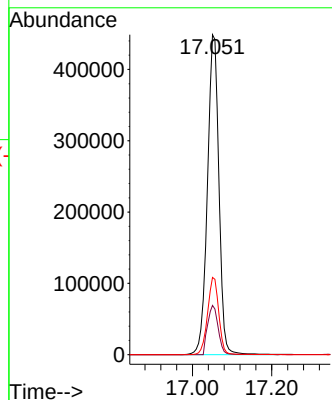
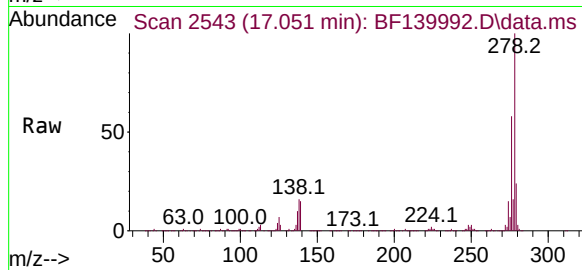




#91  
Dibenzo(a,h)anthracene  
Concen: 53.475 ng  
RT: 17.051 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: BF139992.D  
Acq: 24 Oct 2024 10:52

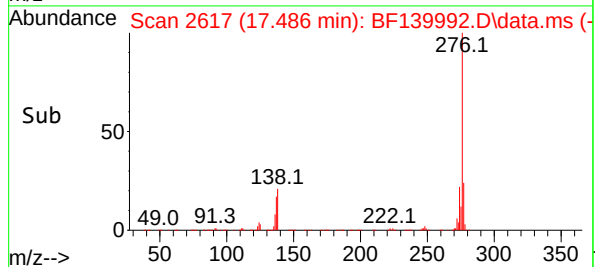
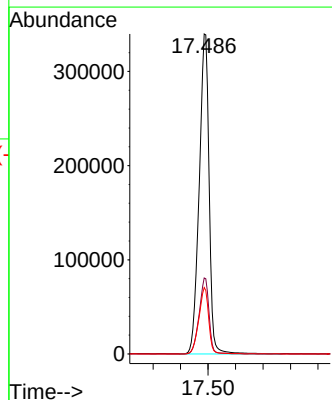
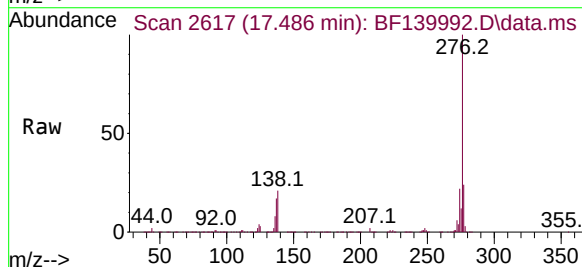
Instrument :  
BNA\_F  
ClientSampleId :  
PB164312BS

Tgt Ion:278 Resp: 903618  
Ion Ratio Lower Upper  
278 100  
139 15.4 13.1 19.7  
279 24.2 19.0 28.4



#92  
Benzo(g,h,i)perylene  
Concen: 50.669 ng  
RT: 17.486 min Scan# 2617  
Delta R.T. 0.006 min  
Lab File: BF139992.D  
Acq: 24 Oct 2024 10:52

Tgt Ion:276 Resp: 855224  
Ion Ratio Lower Upper  
276 100  
277 23.7 19.0 28.6  
138 20.8 17.4 26.0



## Report of Analysis

|                    |                              |                 |          |
|--------------------|------------------------------|-----------------|----------|
| Client:            | Portal Partners Tri-Venture  | Date Collected: | 10/21/24 |
| Project:           | Amtrak Sawtooth Bridges 2024 | Date Received:  | 10/21/24 |
| Client Sample ID:  | TP-1MS                       | SDG No.:        | P4471    |
| Lab Sample ID:     | P4467-01MS                   | Matrix:         | SOIL     |
| Analytical Method: | SW8270                       | % Solid:        | 90.7     |
| Sample Wt/Vol:     | 50.03                        | Units:          | g        |
| Soil Aliquot Vol:  |                              |                 | uL       |
| Extraction Type :  |                              | Decanted :      | N        |
| Injection Volume : |                              | Level :         | LOW      |
|                    |                              | GPC Factor :    | 1.0      |
|                    |                              | GPC Cleanup :   | N        |
|                    |                              | PH :            |          |
| Prep Method :      | SW3541                       |                 |          |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BF140004.D        | 1         | 10/22/24 10:44 | 10/24/24 16:48 | PB164312      |

| CAS Number     | Parameter                   | Conc. | Qualifier | MDL  | LOQ / CRQL | Units(Dry Weight) |
|----------------|-----------------------------|-------|-----------|------|------------|-------------------|
| <b>TARGETS</b> |                             |       |           |      |            |                   |
| 100-52-7       | Benzaldehyde                | 290   |           | 120  | 220        | ug/Kg             |
| 108-95-2       | Phenol                      | 960   |           | 54.8 | 110        | ug/Kg             |
| 111-44-4       | bis(2-Chloroethyl)ether     | 950   |           | 55.3 | 110        | ug/Kg             |
| 95-57-8        | 2-Chlorophenol              | 990   |           | 55.2 | 110        | ug/Kg             |
| 95-48-7        | 2-Methylphenol              | 960   |           | 53.3 | 110        | ug/Kg             |
| 108-60-1       | 2,2-oxybis(1-Chloropropane) | 910   |           | 60.1 | 110        | ug/Kg             |
| 98-86-2        | Acetophenone                | 950   |           | 57.5 | 110        | ug/Kg             |
| 65794-96-9     | 3+4-Methylphenols           | 920   |           | 52.8 | 220        | ug/Kg             |
| 621-64-7       | n-Nitroso-di-n-propylamine  | 930   |           | 26.6 | 52.9       | ug/Kg             |
| 67-72-1        | Hexachloroethane            | 940   |           | 54.9 | 110        | ug/Kg             |
| 98-95-3        | Nitrobenzene                | 930   |           | 60.0 | 110        | ug/Kg             |
| 78-59-1        | Isophorone                  | 970   |           | 55.9 | 110        | ug/Kg             |
| 88-75-5        | 2-Nitrophenol               | 1200  |           | 62.5 | 110        | ug/Kg             |
| 105-67-9       | 2,4-Dimethylphenol          | 1100  |           | 61.6 | 110        | ug/Kg             |
| 111-91-1       | bis(2-Chloroethoxy)methane  | 950   |           | 56.7 | 110        | ug/Kg             |
| 120-83-2       | 2,4-Dichlorophenol          | 1000  |           | 49.9 | 110        | ug/Kg             |
| 91-20-3        | Naphthalene                 | 950   |           | 54.6 | 110        | ug/Kg             |
| 106-47-8       | 4-Chloroaniline             | 350   |           | 54.6 | 110        | ug/Kg             |
| 87-68-3        | Hexachlorobutadiene         | 970   |           | 55.1 | 110        | ug/Kg             |
| 105-60-2       | Caprolactam                 | 990   |           | 57.4 | 220        | ug/Kg             |
| 59-50-7        | 4-Chloro-3-methylphenol     | 960   |           | 51.2 | 110        | ug/Kg             |
| 91-57-6        | 2-Methylnaphthalene         | 970   |           | 54.5 | 110        | ug/Kg             |
| 77-47-4        | Hexachlorocyclopentadiene   | 3500  | E         | 100  | 220        | ug/Kg             |
| 88-06-2        | 2,4,6-Trichlorophenol       | 1000  |           | 47.2 | 110        | ug/Kg             |
| 95-95-4        | 2,4,5-Trichlorophenol       | 990   |           | 48.9 | 110        | ug/Kg             |
| 92-52-4        | 1,1-Biphenyl                | 980   |           | 57.8 | 110        | ug/Kg             |
| 91-58-7        | 2-Chloronaphthalene         | 960   |           | 55.1 | 110        | ug/Kg             |
| 88-74-4        | 2-Nitroaniline              | 1100  |           | 62.8 | 110        | ug/Kg             |
| 131-11-3       | Dimethylphthalate           | 1000  |           | 54.0 | 110        | ug/Kg             |

## Report of Analysis

|                    |                              |                 |                              |
|--------------------|------------------------------|-----------------|------------------------------|
| Client:            | Portal Partners Tri-Venture  | Date Collected: | 10/21/24                     |
| Project:           | Amtrak Sawtooth Bridges 2024 | Date Received:  | 10/21/24                     |
| Client Sample ID:  | TP-1MS                       | SDG No.:        | P4471                        |
| Lab Sample ID:     | P4467-01MS                   | Matrix:         | SOIL                         |
| Analytical Method: | SW8270                       | % Solid:        | 90.7                         |
| Sample Wt/Vol:     | 50.03      Units:    g       | Final Vol:      | 1000                      uL |
| Soil Aliquot Vol:  | uL                           | Test:           | SVOC-TCL BNA -20             |
| Extraction Type :  | Decanted :      N            | Level :         | LOW                          |
| Injection Volume : | GPC Factor :    1.0          | GPC Cleanup :   | N                      PH :  |
| Prep Method :      | SW3541                       |                 |                              |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BF140004.D        | 1         | 10/22/24 10:44 | 10/24/24 16:48 | PB164312      |

| CAS Number | Parameter                  | Conc. | Qualifier | MDL  | LOQ / CRQL | Units(Dry Weight) |
|------------|----------------------------|-------|-----------|------|------------|-------------------|
| 208-96-8   | Acenaphthylene             | 1000  |           | 57.2 | 110        | ug/Kg             |
| 606-20-2   | 2,6-Dinitrotoluene         | 1000  |           | 55.0 | 110        | ug/Kg             |
| 99-09-2    | 3-Nitroaniline             | 660   |           | 59.0 | 110        | ug/Kg             |
| 83-32-9    | Acenaphthene               | 1100  |           | 53.6 | 110        | ug/Kg             |
| 51-28-5    | 2,4-Dinitrophenol          | 2200  | E         | 160  | 220        | ug/Kg             |
| 100-02-7   | 4-Nitrophenol              | 2000  | E         | 76.7 | 220        | ug/Kg             |
| 132-64-9   | Dibenzofuran               | 980   |           | 55.8 | 110        | ug/Kg             |
| 121-14-2   | 2,4-Dinitrotoluene         | 1100  |           | 57.0 | 110        | ug/Kg             |
| 84-66-2    | Diethylphthalate           | 990   |           | 53.0 | 110        | ug/Kg             |
| 7005-72-3  | 4-Chlorophenyl-phenylether | 980   |           | 56.6 | 110        | ug/Kg             |
| 86-73-7    | Fluorene                   | 960   |           | 56.5 | 110        | ug/Kg             |
| 100-01-6   | 4-Nitroaniline             | 1000  |           | 70.7 | 110        | ug/Kg             |
| 534-52-1   | 4,6-Dinitro-2-methylphenol | 1300  |           | 77.4 | 220        | ug/Kg             |
| 86-30-6    | n-Nitrosodiphenylamine     | 1000  |           | 53.9 | 110        | ug/Kg             |
| 101-55-3   | 4-Bromophenyl-phenylether  | 1000  |           | 52.2 | 110        | ug/Kg             |
| 118-74-1   | Hexachlorobenzene          | 1000  |           | 56.2 | 110        | ug/Kg             |
| 1912-24-9  | Atrazine                   | 1200  |           | 60.4 | 110        | ug/Kg             |
| 87-86-5    | Pentachlorophenol          | 1800  | E         | 51.1 | 220        | ug/Kg             |
| 85-01-8    | Phenanthrene               | 980   |           | 55.5 | 110        | ug/Kg             |
| 120-12-7   | Anthracene                 | 1000  |           | 55.8 | 110        | ug/Kg             |
| 86-74-8    | Carbazole                  | 910   |           | 53.1 | 110        | ug/Kg             |
| 84-74-2    | Di-n-butylphthalate        | 1000  |           | 55.7 | 110        | ug/Kg             |
| 206-44-0   | Fluoranthene               | 860   |           | 54.0 | 110        | ug/Kg             |
| 129-00-0   | Pyrene                     | 910   |           | 54.9 | 110        | ug/Kg             |
| 85-68-7    | Butylbenzylphthalate       | 1200  |           | 64.0 | 110        | ug/Kg             |
| 91-94-1    | 3,3-Dichlorobenzidine      | 780   |           | 65.2 | 220        | ug/Kg             |
| 56-55-3    | Benzo(a)anthracene         | 1000  |           | 53.4 | 110        | ug/Kg             |
| 218-01-9   | Chrysene                   | 980   |           | 52.6 | 110        | ug/Kg             |
| 117-81-7   | Bis(2-ethylhexyl)phthalate | 1300  |           | 60.2 | 110        | ug/Kg             |
| 117-84-0   | Di-n-octyl phthalate       | 1200  |           | 72.7 | 220        | ug/Kg             |
| 205-99-2   | Benzo(b)fluoranthene       | 880   |           | 53.6 | 110        | ug/Kg             |

## Report of Analysis

|                    |                              |                 |                              |
|--------------------|------------------------------|-----------------|------------------------------|
| Client:            | Portal Partners Tri-Venture  | Date Collected: | 10/21/24                     |
| Project:           | Amtrak Sawtooth Bridges 2024 | Date Received:  | 10/21/24                     |
| Client Sample ID:  | TP-1MS                       | SDG No.:        | P4471                        |
| Lab Sample ID:     | P4467-01MS                   | Matrix:         | SOIL                         |
| Analytical Method: | SW8270                       | % Solid:        | 90.7                         |
| Sample Wt/Vol:     | 50.03      Units:    g       | Final Vol:      | 1000                      uL |
| Soil Aliquot Vol:  | uL                           | Test:           | SVOC-TCL BNA -20             |
| Extraction Type :  | Decanted :      N            | Level :         | LOW                          |
| Injection Volume : | GPC Factor :    1.0          | GPC Cleanup :   | N                      PH :  |
| Prep Method :      | SW3541                       |                 |                              |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BF140004.D        | 1         | 10/22/24 10:44 | 10/24/24 16:48 | PB164312      |

| CAS Number                | Parameter                  | Conc.  | Qualifier | MDL                 | LOQ / CRQL | Units(Dry Weight) |
|---------------------------|----------------------------|--------|-----------|---------------------|------------|-------------------|
| 207-08-9                  | Benzo(k)fluoranthene       | 1000   |           | 54.6                | 110        | ug/Kg             |
| 50-32-8                   | Benzo(a)pyrene             | 1100   |           | 61.5                | 110        | ug/Kg             |
| 193-39-5                  | Indeno(1,2,3-cd)pyrene     | 1000   |           | 51.6                | 110        | ug/Kg             |
| 53-70-3                   | Dibenzo(a,h)anthracene     | 1000   |           | 53.7                | 110        | ug/Kg             |
| 191-24-2                  | Benzo(g,h,i)perylene       | 870    |           | 53.0                | 110        | ug/Kg             |
| 95-94-3                   | 1,2,4,5-Tetrachlorobenzene | 990    |           | 57.4                | 110        | ug/Kg             |
| 123-91-1                  | 1,4-Dioxane                | 840    |           | 72.7                | 110        | ug/Kg             |
| 58-90-2                   | 2,3,4,6-Tetrachlorophenol  | 1000   |           | 49.4                | 110        | ug/Kg             |
| <b>SURROGATES</b>         |                            |        |           |                     |            |                   |
| 367-12-4                  | 2-Fluorophenol             | 83.4   |           | 30 (18) - 130 (112) | 56%        | SPK: 150          |
| 13127-88-3                | Phenol-d6                  | 81.7   |           | 30 (15) - 130 (107) | 54%        | SPK: 150          |
| 4165-60-0                 | Nitrobenzene-d5            | 61.8   |           | 30 (18) - 130 (107) | 62%        | SPK: 100          |
| 321-60-8                  | 2-Fluorobiphenyl           | 58.9   |           | 30 (20) - 130 (109) | 59%        | SPK: 100          |
| 118-79-6                  | 2,4,6-Tribromophenol       | 96.0   |           | 30 (10) - 130 (116) | 64%        | SPK: 150          |
| 1718-51-0                 | Terphenyl-d14              | 55.7   |           | 30 (10) - 130 (105) | 56%        | SPK: 100          |
| <b>INTERNAL STANDARDS</b> |                            |        |           |                     |            |                   |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4     | 151000 | 6.893     |                     |            |                   |
| 1146-65-2                 | Naphthalene-d8             | 576000 | 8.175     |                     |            |                   |
| 15067-26-2                | Acenaphthene-d10           | 315000 | 9.928     |                     |            |                   |
| 1517-22-2                 | Phenanthrene-d10           | 529000 | 11.416    |                     |            |                   |
| 1719-03-5                 | Chrysene-d12               | 268000 | 14.051    |                     |            |                   |
| 1520-96-3                 | Perylene-d12               | 361000 | 15.533    |                     |            |                   |

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

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102424\  
 Data File : BF140004.D  
 Acq On : 24 Oct 2024 16:48  
 Operator : RC/JU  
 Sample : P4467-01MS  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-1MS

Quant Time: Oct 24 17:21:13 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101824.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Oct 18 15:07:50 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.893  | 152  | 151264   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.175  | 136  | 576250   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.928  | 164  | 315137   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.416 | 188  | 529411   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.051 | 240  | 267551   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.533 | 264  | 360724   | 20.000  | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.510  | 112  | 805687   | 83.384  | ng    | 0.01     |
| 7) Phenol-d6                  | 6.510  | 99   | 1021804  | 81.650  | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.451  | 82   | 642796   | 61.824  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.716 | 330  | 283105   | 96.043  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.245  | 172  | 1123670  | 58.929  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.998 | 244  | 915305   | 55.745  | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| Target Compounds              |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.740  | 88   | 171832   | 38.142  | ng    | 93       |
| 3) Pyridine                   | 3.499  | 79   | 438761   | 39.292  | ng    | 95       |
| 4) n-Nitrosodimethylamine     | 3.452  | 42   | 235636   | 39.275  | ng    | 97       |
| 6) Aniline                    | 6.551  | 93   | 456018   | 39.099  | ng    | 98       |
| 8) 2-Chlorophenol             | 6.675  | 128  | 443860   | 44.935  | ng    | 96       |
| 9) Benzaldehyde               | 6.440  | 77   | 92752    | 13.175  | ng    | 95       |
| 10) Phenol                    | 6.528  | 94   | 561724m  | 43.539  | ng    |          |
| 11) bis(2-Chloroethyl)ether   | 6.622  | 93   | 430545   | 43.175  | ng    | 99       |
| 12) 1,3-Dichlorobenzene       | 6.834  | 146  | 477261   | 42.090  | ng    | 98       |
| 13) 1,4-Dichlorobenzene       | 6.910  | 146  | 489383   | 43.199  | ng    | 98       |
| 14) 1,2-Dichlorobenzene       | 7.063  | 146  | 462436   | 43.738  | ng    | 98       |
| 15) Benzyl Alcohol            | 7.028  | 79   | 405333   | 44.155  | ng    | 99       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.163  | 45   | 701721   | 41.269  | ng    | 97       |
| 17) 2-Methylphenol            | 7.134  | 107  | 365135   | 43.350  | ng    | 99       |
| 18) Hexachloroethane          | 7.404  | 117  | 173112   | 42.852  | ng    | 96       |
| 19) n-Nitroso-di-n-propyla... | 7.298  | 70   | 319244   | 42.061  | ng    | 97       |
| 20) 3+4-Methylphenols         | 7.287  | 107  | 450776   | 41.841  | ng    | 95       |
| 22) Acetophenone              | 7.298  | 105  | 605629   | 42.909  | ng    | 98       |
| 24) Nitrobenzene              | 7.469  | 77   | 481672   | 42.254  | ng    | 99       |
| 25) Isophorone                | 7.710  | 82   | 867683   | 43.969  | ng    | 99       |
| 26) 2-Nitrophenol             | 7.787  | 139  | 227680   | 52.943  | ng    | 97       |
| 27) 2,4-Dimethylphenol        | 7.822  | 122  | 371367   | 51.788  | ng    | 99       |
| 28) bis(2-Chloroethoxy)met... | 7.922  | 93   | 517766   | 43.306  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 8.028  | 162  | 369829   | 45.279  | ng    | 98       |
| 30) 1,2,4-Trichlorobenzene    | 8.110  | 180  | 382660   | 42.340  | ng    | 99       |
| 31) Naphthalene               | 8.192  | 128  | 1284074  | 43.206  | ng    | 100      |
| 32) Benzoic acid              | 7.928  | 122  | 261579   | 41.824  | ng    | 98       |
| 33) 4-Chloroaniline           | 8.239  | 127  | 160062   | 15.795  | ng    | 97       |
| 34) Hexachlorobutadiene       | 8.310  | 225  | 250591   | 44.130  | ng    | 99       |
| 35) Caprolactam               | 8.610  | 113  | 116159m  | 44.727  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 8.716  | 107  | 394038   | 43.569  | ng    | 97       |
| 37) 2-Methylnaphthalene       | 8.887  | 142  | 802736   | 44.103  | ng    | 100      |
| 38) 1-Methylnaphthalene       | 8.987  | 142  | 752339   | 42.130  | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 9.051  | 216  | 380696   | 44.778  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 9.039  | 237  | 471357   | 159.336 | ng    | 100      |
| 43) 2,4,6-Trichlorophenol     | 9.157  | 196  | 282232   | 46.888  | ng    | 99       |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102424\  
 Data File : BF140004.D  
 Acq On : 24 Oct 2024 16:48  
 Operator : RC/JU  
 Sample : P4467-01MS  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-1MS

Quant Time: Oct 24 17:21:13 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101824.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Oct 18 15:07:50 2024  
 Response via : Initial Calibration

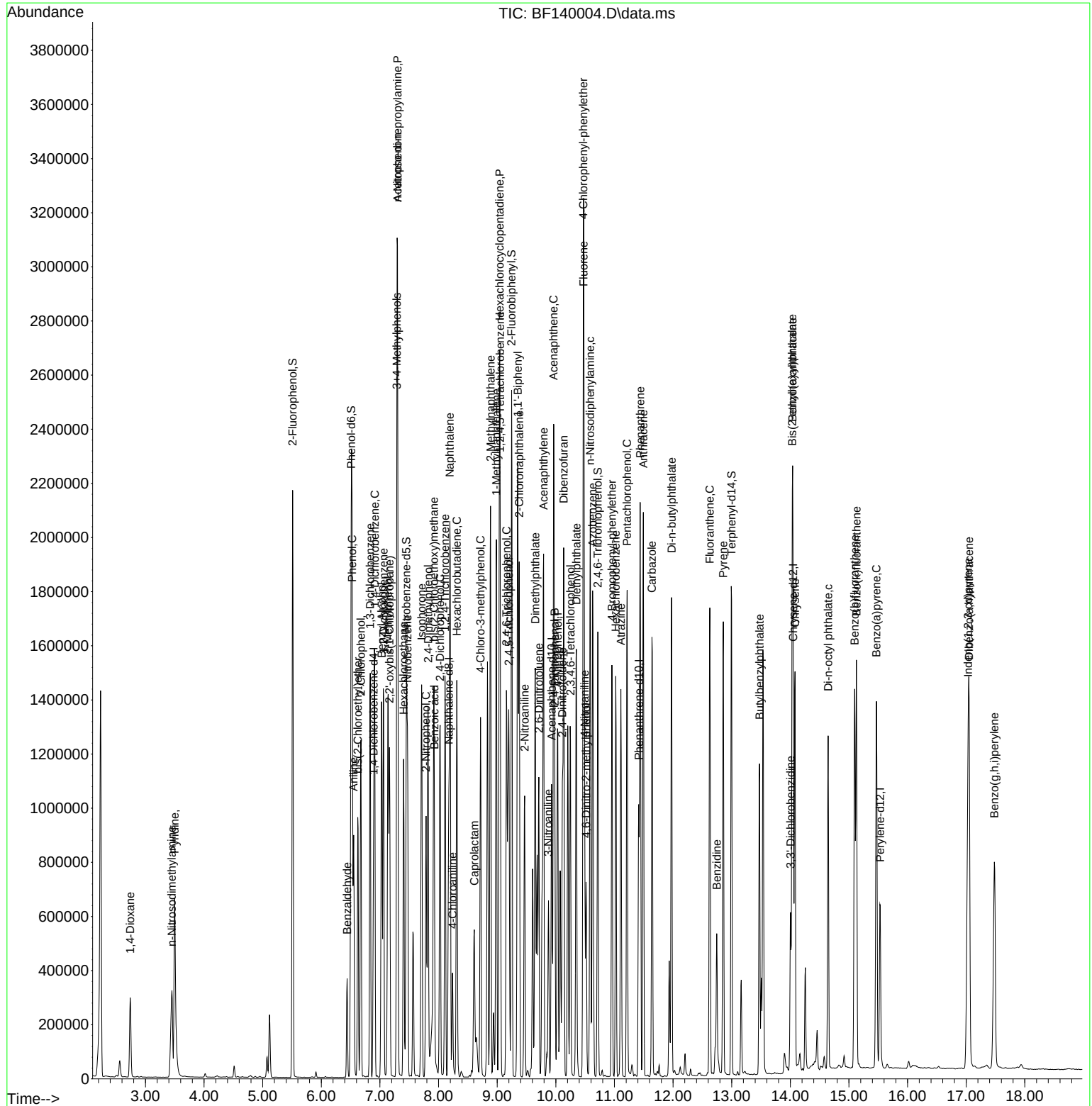
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.198  | 196  | 280392   | 45.150  | ng    | 99       |
| 46) 1,1'-Biphenyl             | 9.351  | 154  | 973591   | 44.379  | ng    | 99       |
| 47) 2-Chloronaphthalene       | 9.375  | 162  | 769688   | 43.561  | ng    | 99       |
| 48) 2-Nitroaniline            | 9.469  | 65   | 257832   | 47.711  | ng    | 90       |
| 49) Acenaphthylene            | 9.792  | 152  | 1189746  | 46.575  | ng    | 100      |
| 50) Dimethylphthalate         | 9.651  | 163  | 897645   | 45.730  | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 9.710  | 165  | 196954   | 46.341  | ng    | 94       |
| 52) Acenaphthene              | 9.963  | 154  | 807584   | 48.872  | ng    | 99       |
| 53) 3-Nitroaniline            | 9.875  | 138  | 130524   | 29.780  | ng    | 98       |
| 54) 2,4-Dinitrophenol         | 9.981  | 184  | 182723   | 101.561 | ng    | # 1      |
| 55) Dibenzofuran              | 10.134 | 168  | 1054724  | 44.486  | ng    | 98       |
| 56) 4-Nitrophenol             | 10.034 | 139  | 307515   | 91.196  | ng    | 96       |
| 57) 2,4-Dinitrotoluene        | 10.110 | 165  | 264413   | 50.591  | ng    | 96       |
| 58) Fluorene                  | 10.475 | 166  | 789620   | 43.727  | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.251 | 232  | 227526   | 46.735  | ng    | 96       |
| 60) Diethylphthalate          | 10.351 | 149  | 863653   | 44.811  | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 10.469 | 204  | 404311   | 44.335  | ng    | 98       |
| 62) 4-Nitroaniline            | 10.492 | 138  | 187027   | 45.181  | ng    | 96       |
| 63) Azobenzene                | 10.628 | 77   | 960246   | 46.996  | ng    | 95       |
| 65) 4,6-Dinitro-2-methylph... | 10.516 | 198  | 130518   | 60.440  | ng    | 95       |
| 66) n-Nitrosodiphenylamine    | 10.586 | 169  | 738410   | 46.602  | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 10.957 | 248  | 259160   | 47.518  | ng    | 98       |
| 68) Hexachlorobenzene         | 11.022 | 284  | 284470   | 46.377  | ng    | 98       |
| 69) Atrazine                  | 11.110 | 200  | 237987   | 55.446  | ng    | 100      |
| 70) Pentachlorophenol         | 11.216 | 266  | 306185   | 82.249  | ng    | 99       |
| 71) Phenanthrene              | 11.439 | 178  | 1108145  | 44.313  | ng    | 100      |
| 72) Anthracene                | 11.492 | 178  | 1130666  | 46.341  | ng    | 100      |
| 73) Carbazole                 | 11.639 | 167  | 939513   | 41.403  | ng    | 99       |
| 74) Di-n-butylphthalate       | 11.975 | 149  | 1231382  | 46.970  | ng    | 100      |
| 75) Fluoranthene              | 12.627 | 202  | 990260   | 39.171  | ng    | 99       |
| 77) Benzidine                 | 12.745 | 184  | 289331   | 65.765  | ng    | 99       |
| 78) Pyrene                    | 12.857 | 202  | 962093   | 41.081  | ng    | 100      |
| 80) Butylbenzylphthalate      | 13.474 | 149  | 367843   | 52.390  | ng    | 97       |
| 81) Benzo(a)anthracene        | 14.039 | 228  | 813331   | 46.698  | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 14.004 | 252  | 179744   | 35.396  | ng    | 98       |
| 83) Chrysene                  | 14.080 | 228  | 708241   | 44.351  | ng    | 100      |
| 84) Bis(2-ethylhexyl)phtha... | 14.033 | 149  | 473241   | 60.075  | ng    | # 98     |
| 85) Di-n-octyl phthalate      | 14.645 | 149  | 805035   | 56.185  | ng    | 96       |
| 87) Indeno(1,2,3-cd)pyrene    | 17.033 | 276  | 1056164  | 45.512  | ng    | 98       |
| 88) Benzo(b)fluoranthene      | 15.098 | 252  | 879161   | 40.010  | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 15.127 | 252  | 865105   | 45.651  | ng    | 99       |
| 90) Benzo(a)pyrene            | 15.468 | 252  | 868929   | 48.058  | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 17.051 | 278  | 877416   | 45.323  | ng    | 98       |
| 92) Benzo(g,h,i)perylene      | 17.480 | 276  | 759976   | 39.301  | ng    | 98       |

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

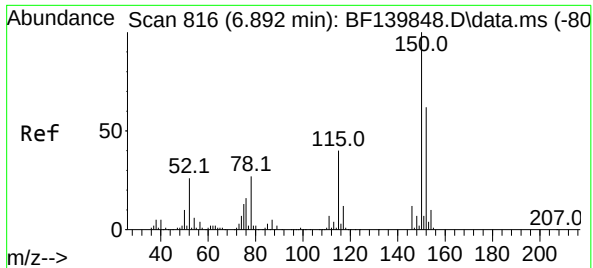
```
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102424\  
Data File : BF140004.D  
Acq On    : 24 Oct 2024  16:48  
Operator  : RC/JU  
Sample    : P4467-01MS  
Misc      :  
ALS Vial  : 5    Sample Multiplier: 1
```

**Instrument :**  
BNA\_F  
**ClientSampleId :**  
TP-1MS

Quant Time: Oct 24 17:21:13 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101824.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Oct 18 15:07:50 2024  
Response via : Initial Calibration



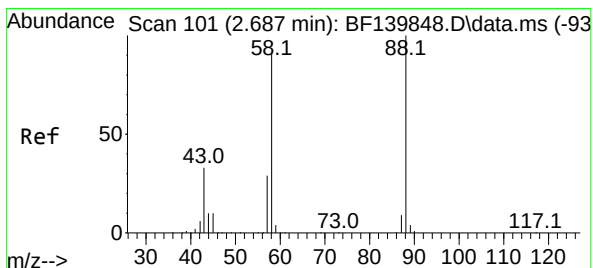
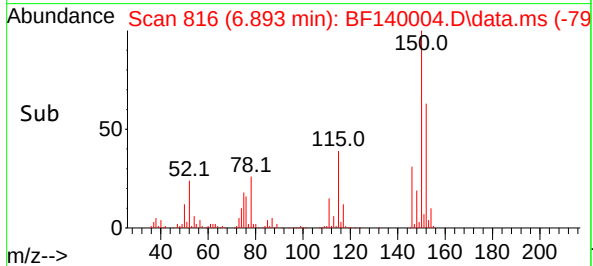
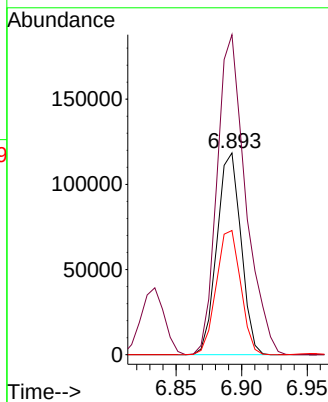
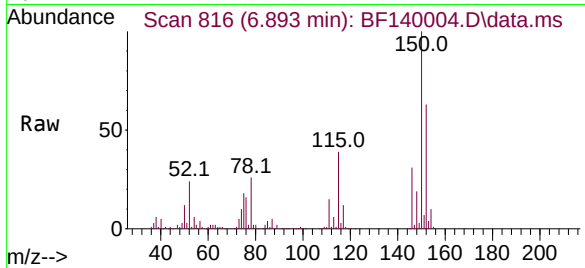




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.893 min Scan# 81  
Delta R.T. 0.001 min  
Lab File: BF140004.D  
Acq: 24 Oct 2024 16:48

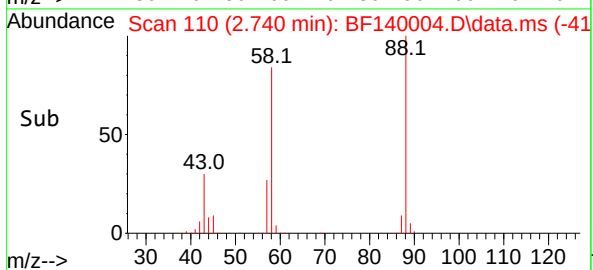
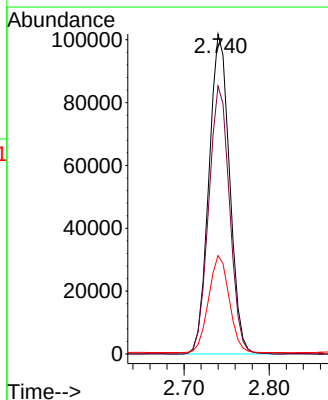
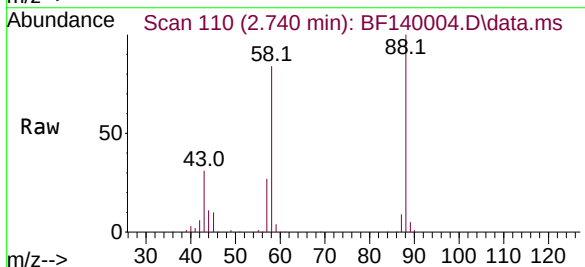
Instrument :  
BNA\_F  
ClientSampleId :  
TP-1MS

Tgt Ion:152 Resp: 151264  
Ion Ratio Lower Upper  
152 100  
150 158.6 130.2 195.2  
115 61.6 51.4 77.2

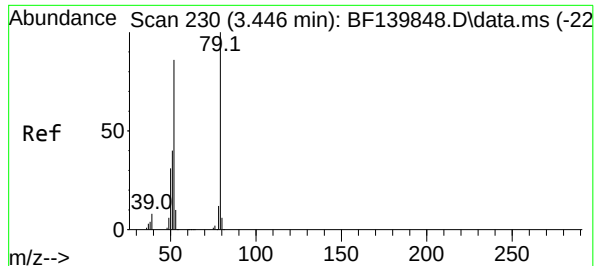


#2  
1,4-Dioxane  
Concen: 38.142 ng  
RT: 2.740 min Scan# 110  
Delta R.T. 0.053 min  
Lab File: BF140004.D  
Acq: 24 Oct 2024 16:48

Tgt Ion: 88 Resp: 171832  
Ion Ratio Lower Upper  
88 100  
58 84.7 73.3 109.9  
43 30.3 27.1 40.7







#3

Pyridine

Concen: 39.292 ng

RT: 3.499 min Scan# 21

Delta R.T. 0.053 min

Lab File: BF140004.D

Acq: 24 Oct 2024 16:48

Instrument :

BNA\_F

ClientSampleId :

TP-1MS

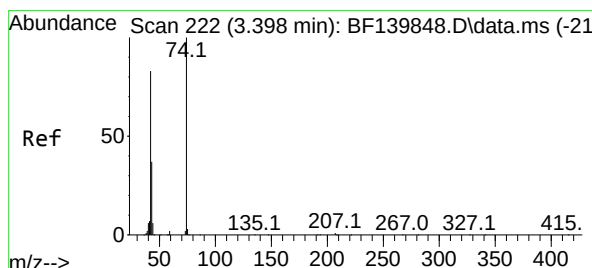
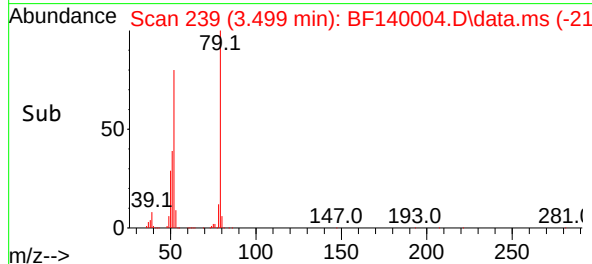
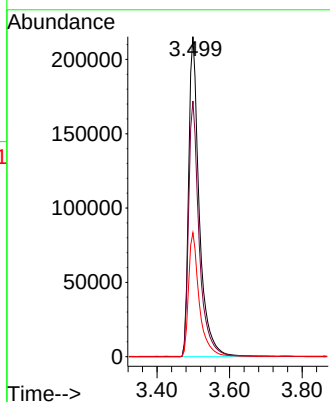
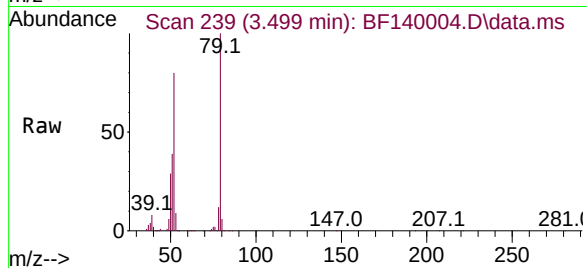
Tgt Ion: 79 Resp: 438761

Ion Ratio Lower Upper

79 100

52 79.9 68.5 102.7

51 38.7 32.3 48.5



#4

n-Nitrosodimethylamine

Concen: 39.275 ng

RT: 3.452 min Scan# 231

Delta R.T. 0.053 min

Lab File: BF140004.D

Acq: 24 Oct 2024 16:48

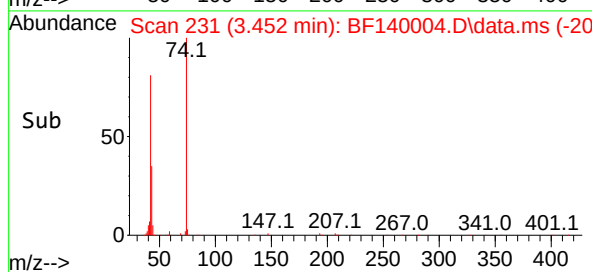
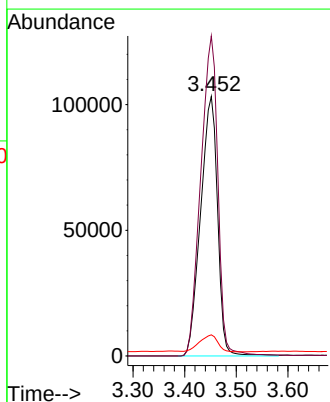
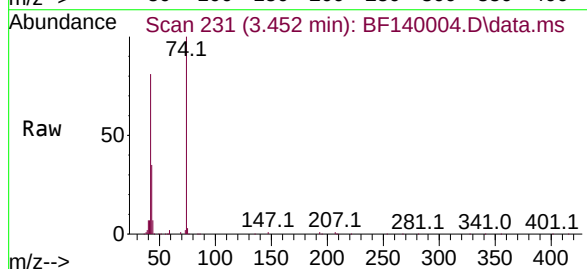
Tgt Ion: 42 Resp: 235636

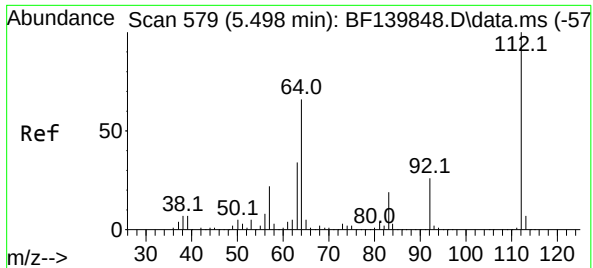
Ion Ratio Lower Upper

42 100

74 123.3 96.2 144.4

44 8.2 6.2 9.2

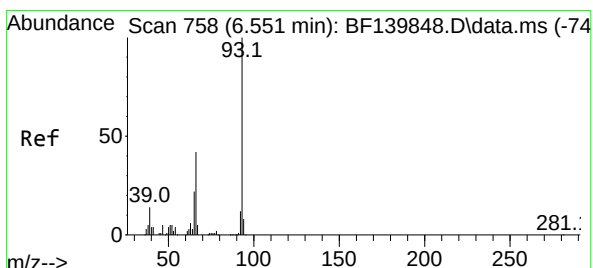
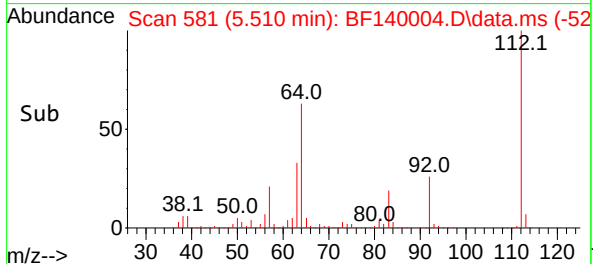
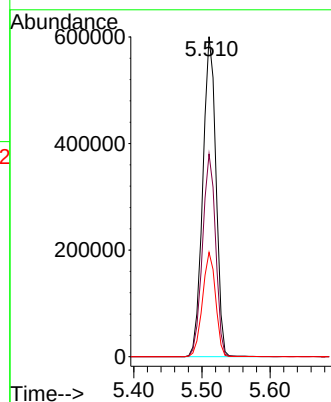
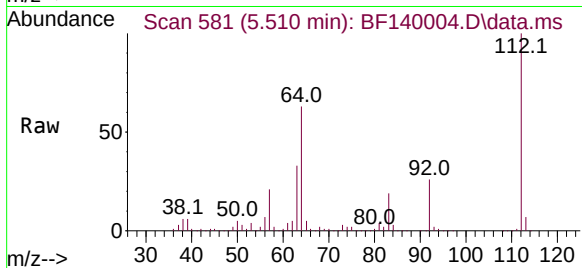




#5  
2-Fluorophenol  
Concen: 83.384 ng  
RT: 5.510 min Scan# 581  
Delta R.T. 0.012 min  
Lab File: BF140004.D  
Acq: 24 Oct 2024 16:48

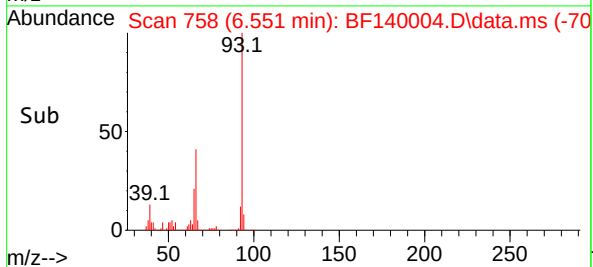
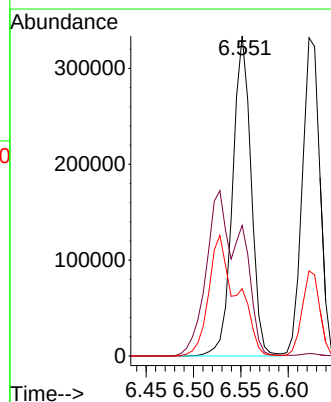
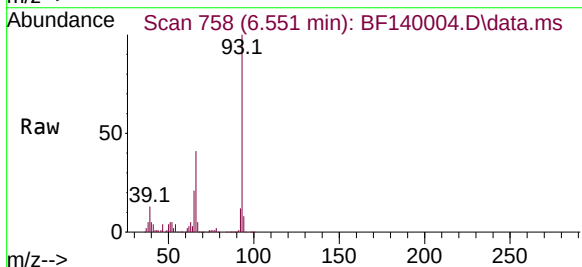
Instrument :  
BNA\_F  
ClientSampleId :  
TP-1MS

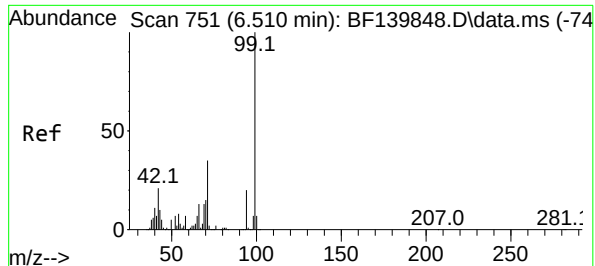
Tgt Ion:112 Resp: 805687  
Ion Ratio Lower Upper  
112 100  
64 63.3 53.0 79.6  
63 32.6 27.0 40.4



#6  
Aniline  
Concen: 39.099 ng  
RT: 6.551 min Scan# 758  
Delta R.T. 0.000 min  
Lab File: BF140004.D  
Acq: 24 Oct 2024 16:48

Tgt Ion: 93 Resp: 456018  
Ion Ratio Lower Upper  
93 100  
66 40.8 34.0 51.0  
65 21.0 17.4 26.0

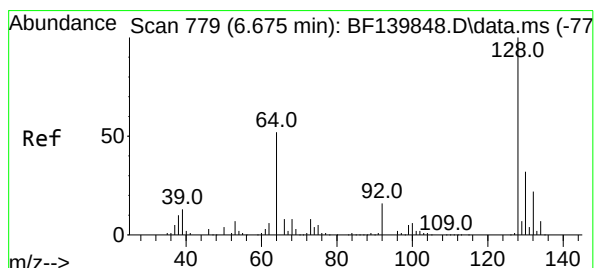
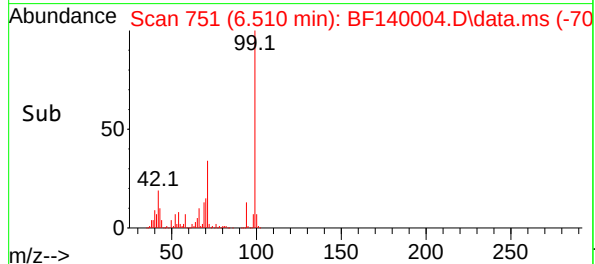
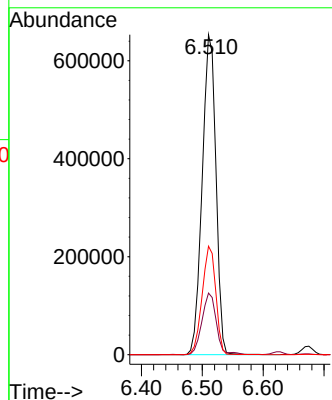
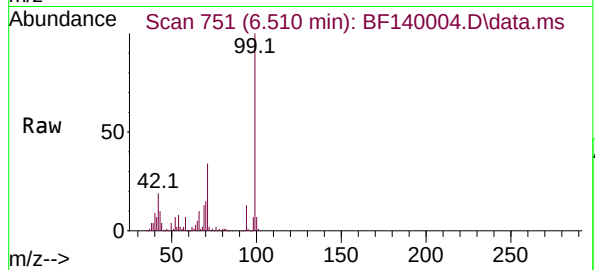




#7  
Phenol-d6  
Concen: 81.650 ng  
RT: 6.510 min Scan# 751  
Delta R.T. 0.000 min  
Lab File: BF140004.D  
Acq: 24 Oct 2024 16:48

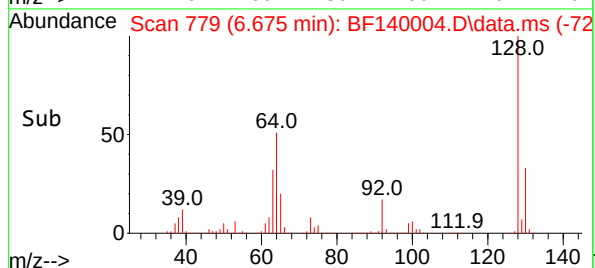
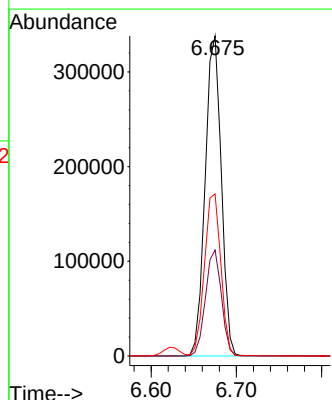
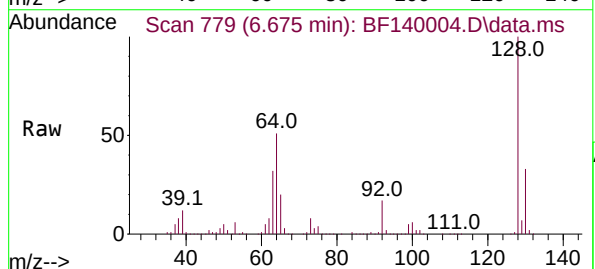
Instrument :  
BNA\_F  
ClientSampleId :  
TP-IMS

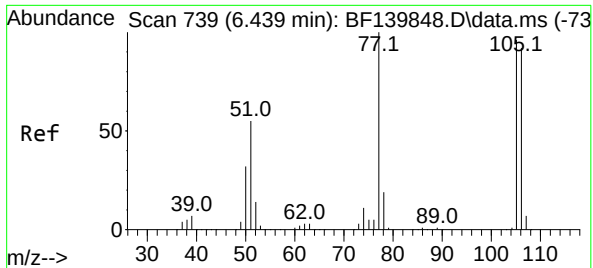
Tgt Ion: 99 Resp: 1021804  
Ion Ratio Lower Upper  
99 100  
42 19.3 16.7 25.1  
71 33.9 27.7 41.5



#8  
2-Chlorophenol  
Concen: 44.935 ng  
RT: 6.675 min Scan# 779  
Delta R.T. 0.000 min  
Lab File: BF140004.D  
Acq: 24 Oct 2024 16:48

Tgt Ion: 128 Resp: 443860  
Ion Ratio Lower Upper  
128 100  
130 33.1 12.3 52.3  
64 50.7 34.6 74.6





#9

Benzaldehyde

Concen: 13.175 ng

RT: 6.440 min Scan# 71

Delta R.T. 0.001 min

Lab File: BF140004.D

Acq: 24 Oct 2024 16:48

Instrument :

BNA\_F

ClientSampleId :

TP-1MS

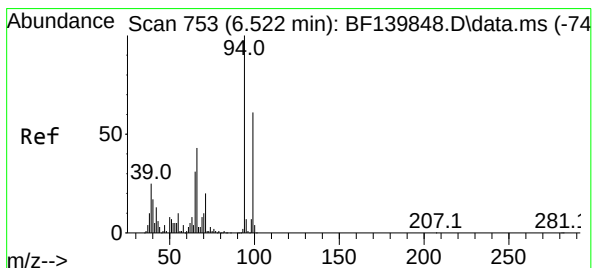
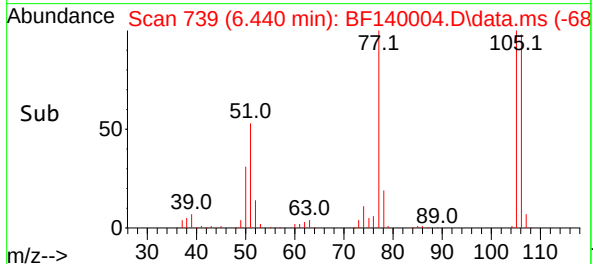
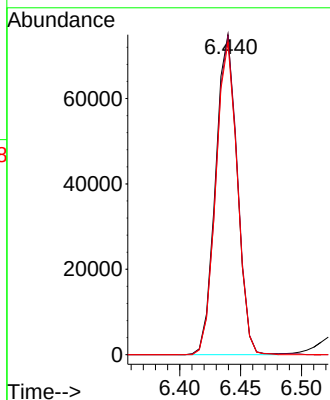
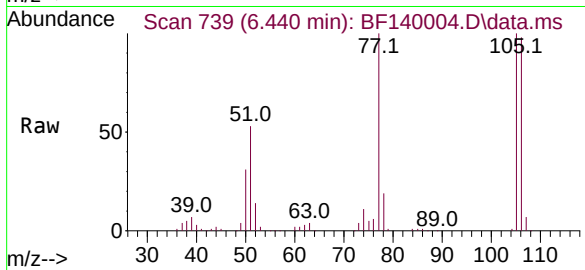
Tgt Ion: 77 Resp: 92752

Ion Ratio Lower Upper

77 100

105 99.7 75.5 115.5

106 97.5 71.7 111.7



#10

Phenol

Concen: 43.539 ng m

RT: 6.528 min Scan# 754

Delta R.T. 0.006 min

Lab File: BF140004.D

Acq: 24 Oct 2024 16:48

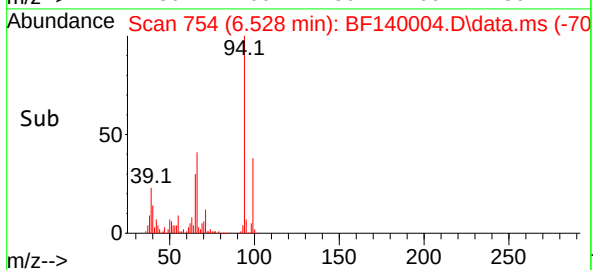
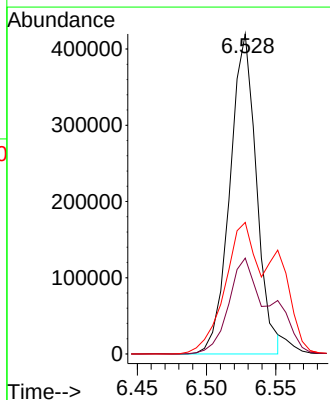
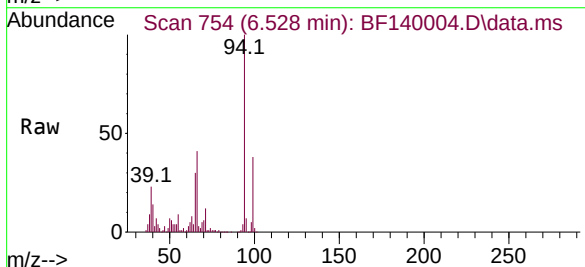
Tgt Ion: 94 Resp: 561724

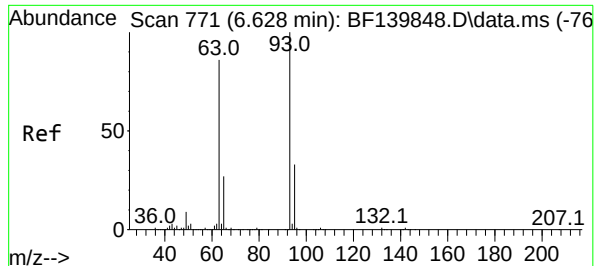
Ion Ratio Lower Upper

94 100

65 30.0 11.1 51.1

66 41.1 22.7 62.7





#11

bis(2-Chloroethyl)ether

Concen: 43.175 ng

RT: 6.622 min Scan# 771

Delta R.T. -0.006 min

Lab File: BF140004.D

Acq: 24 Oct 2024 16:48

Instrument :

BNA\_F

ClientSampleId :

TP-1MS

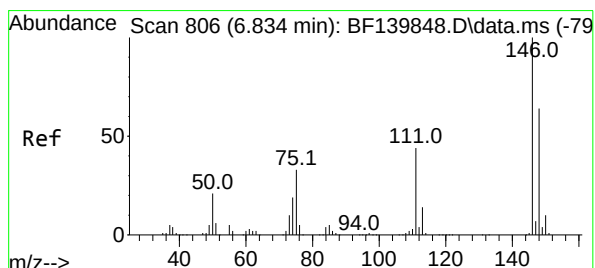
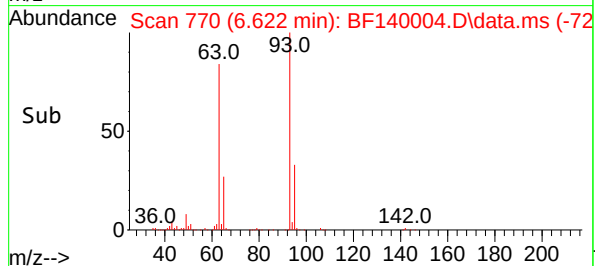
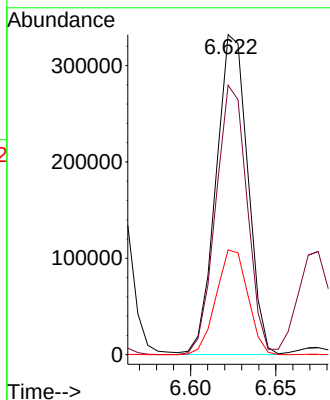
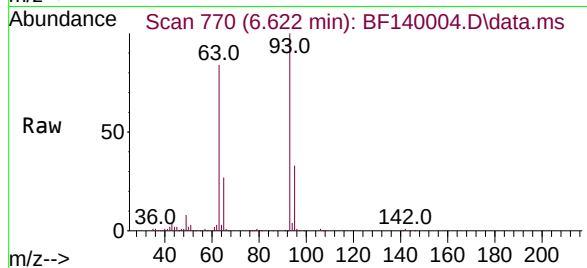
Tgt Ion: 93 Resp: 430545

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

|    |     |  |  |
|----|-----|--|--|
| 93 | 100 |  |  |
|----|-----|--|--|

|    |      |      |       |
|----|------|------|-------|
| 63 | 84.2 | 65.0 | 105.0 |
|----|------|------|-------|

|    |      |      |      |
|----|------|------|------|
| 95 | 32.8 | 12.4 | 52.4 |
|----|------|------|------|



#12

1,3-Dichlorobenzene

Concen: 42.090 ng

RT: 6.834 min Scan# 806

Delta R.T. 0.000 min

Lab File: BF140004.D

Acq: 24 Oct 2024 16:48

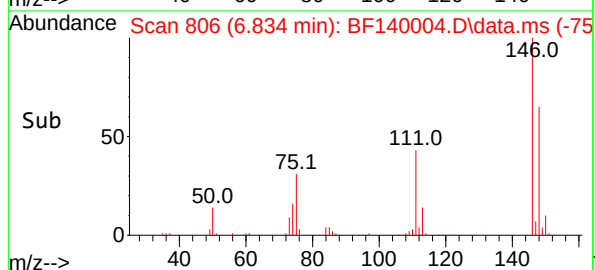
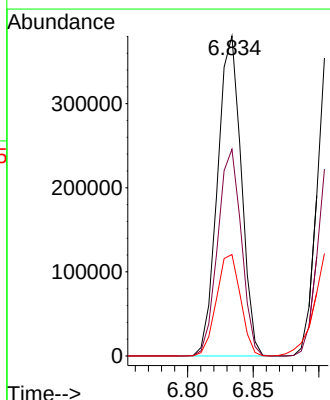
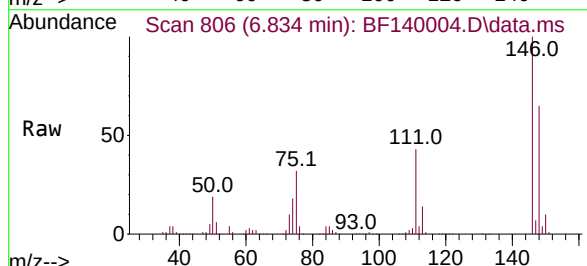
Tgt Ion: 146 Resp: 477261

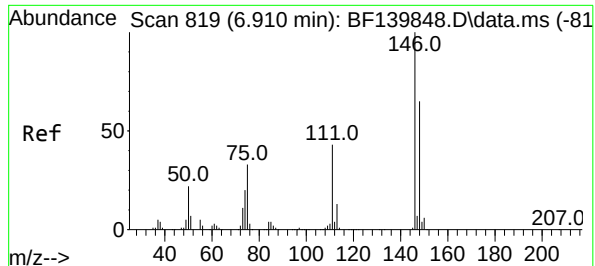
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
|-----|-------|-------|-------|

|     |     |  |  |
|-----|-----|--|--|
| 146 | 100 |  |  |
|-----|-----|--|--|

|     |      |      |      |
|-----|------|------|------|
| 148 | 64.6 | 51.0 | 76.4 |
|-----|------|------|------|

|    |      |      |      |
|----|------|------|------|
| 75 | 31.7 | 26.4 | 39.6 |
|----|------|------|------|





#13

1,4-Dichlorobenzene

Concen: 43.199 ng

RT: 6.910 min Scan# 819

Delta R.T. 0.000 min

Lab File: BF140004.D

Acq: 24 Oct 2024 16:48

Instrument :

BNA\_F

ClientSampleId :

TP-1MS

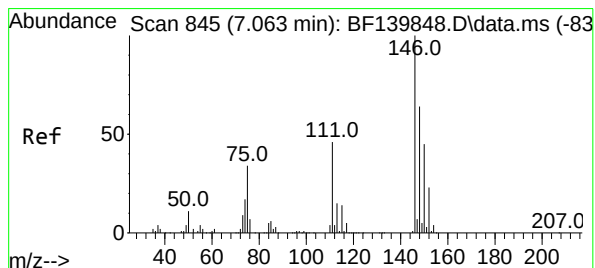
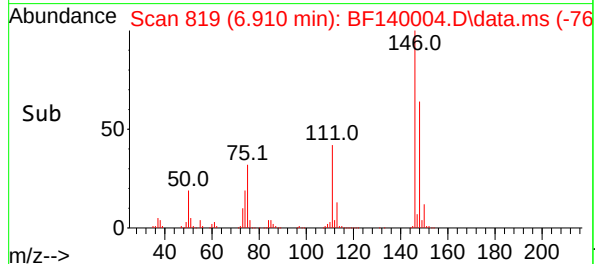
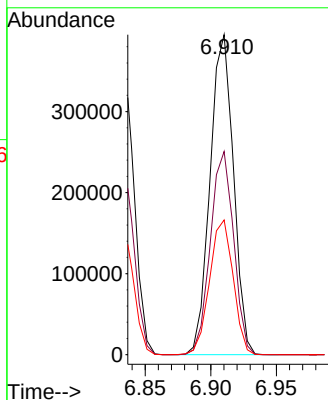
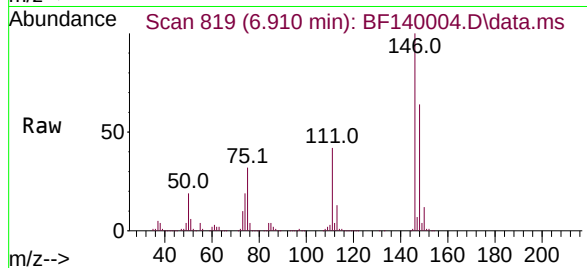
Tgt Ion:146 Resp: 489383

Ion Ratio Lower Upper

146 100

148 63.5 51.8 77.8

111 42.1 34.6 51.8



#14

1,2-Dichlorobenzene

Concen: 43.738 ng

RT: 7.063 min Scan# 845

Delta R.T. 0.000 min

Lab File: BF140004.D

Acq: 24 Oct 2024 16:48

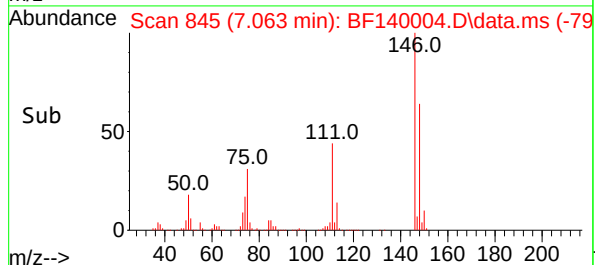
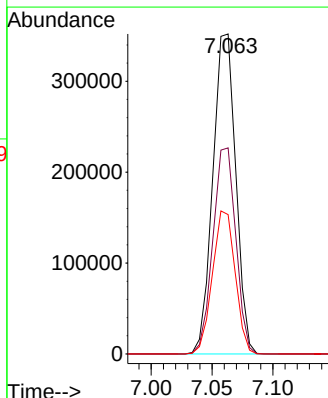
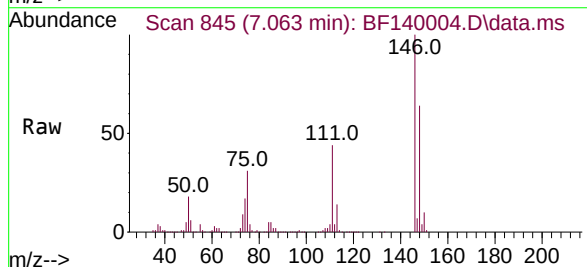
Tgt Ion:146 Resp: 462436

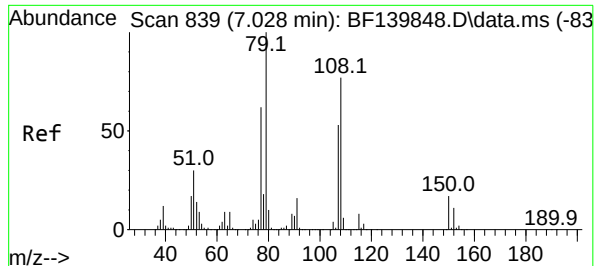
Ion Ratio Lower Upper

146 100

148 64.4 51.4 77.2

111 43.6 36.7 55.1





#15

Benzyl Alcohol

Concen: 44.155 ng

RT: 7.028 min Scan# 81

Delta R.T. 0.000 min

Lab File: BF140004.D

Acq: 24 Oct 2024 16:48

Instrument :

BNA\_F

ClientSampleId :

TP-1MS

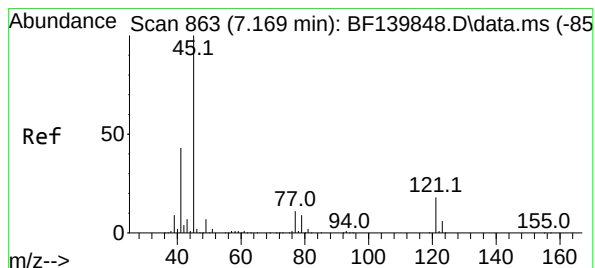
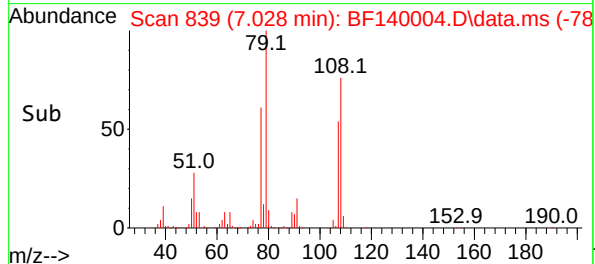
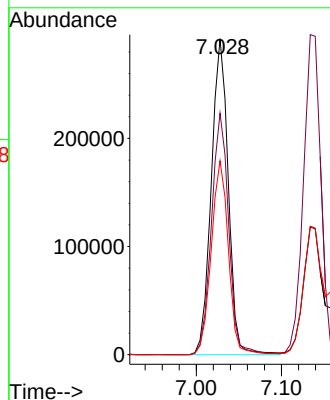
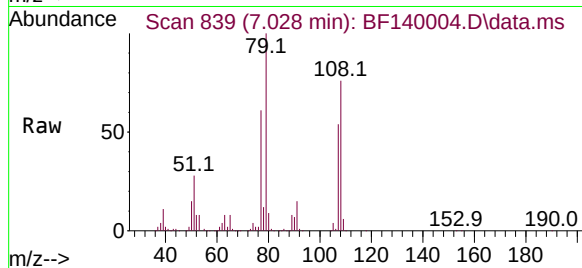
Tgt Ion: 79 Resp: 405333

Ion Ratio Lower Upper

79 100

108 76.4 61.4 92.0

77 61.4 49.9 74.9



#16

2,2'-oxybis(1-Chloropropane)

Concen: 41.269 ng

RT: 7.163 min Scan# 862

Delta R.T. -0.006 min

Lab File: BF140004.D

Acq: 24 Oct 2024 16:48

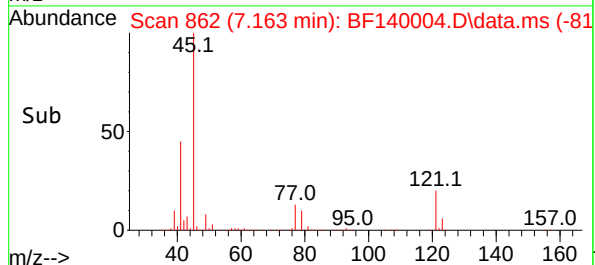
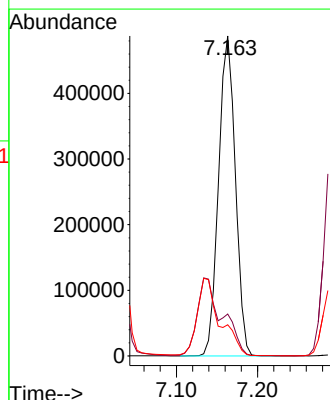
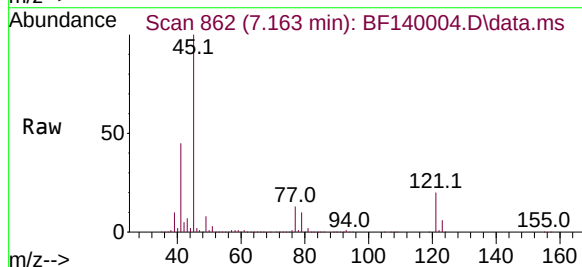
Tgt Ion: 45 Resp: 701721

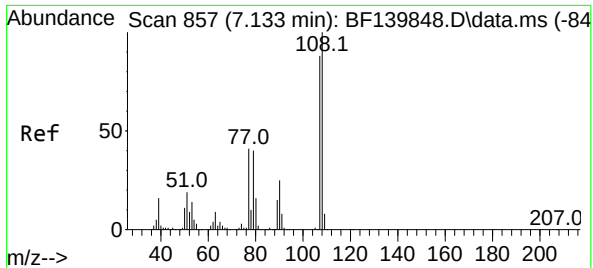
Ion Ratio Lower Upper

45 100

77 13.1 0.0 31.5

79 9.7 0.0 29.1

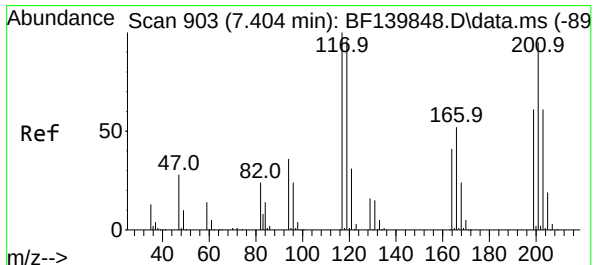
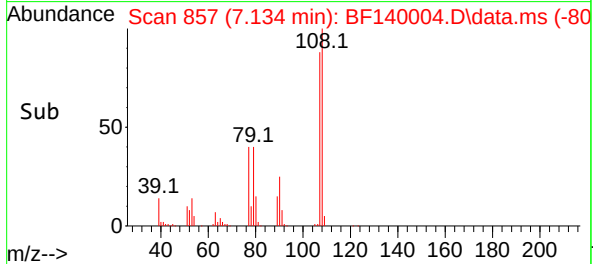
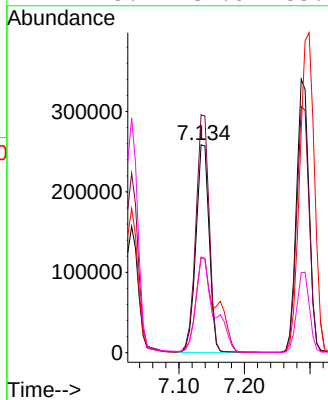
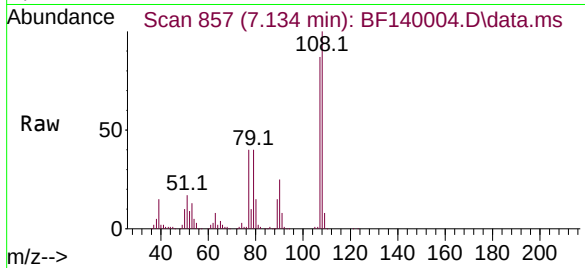




#17  
2-Methylphenol  
Concen: 43.350 ng  
RT: 7.134 min Scan# 857  
Delta R.T. 0.000 min  
Lab File: BF140004.D  
Acq: 24 Oct 2024 16:48

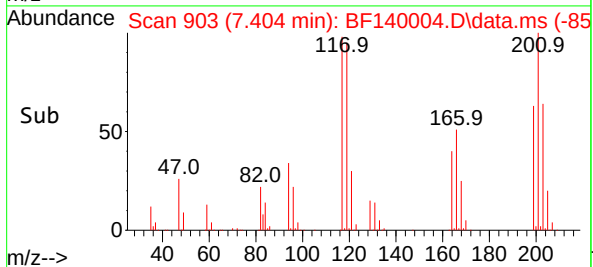
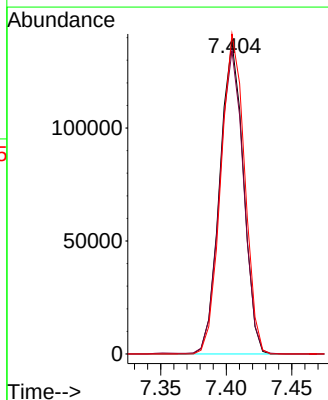
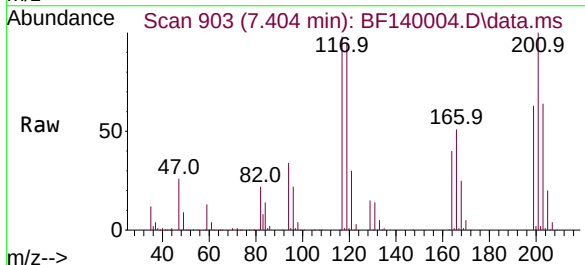
Instrument :  
BNA\_F  
ClientSampleId :  
TP-1MS

Tgt Ion:107 Resp: 365135  
Ion Ratio Lower Upper  
107 100  
108 114.5 91.3 136.9  
77 46.0 37.1 55.7  
79 45.7 37.0 55.6

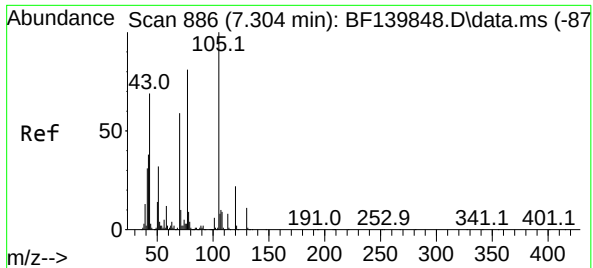


#18  
Hexachloroethane  
Concen: 42.852 ng  
RT: 7.404 min Scan# 903  
Delta R.T. 0.000 min  
Lab File: BF140004.D  
Acq: 24 Oct 2024 16:48

Tgt Ion:117 Resp: 173112  
Ion Ratio Lower Upper  
117 100  
119 97.0 77.0 115.4  
201 102.4 76.2 114.4



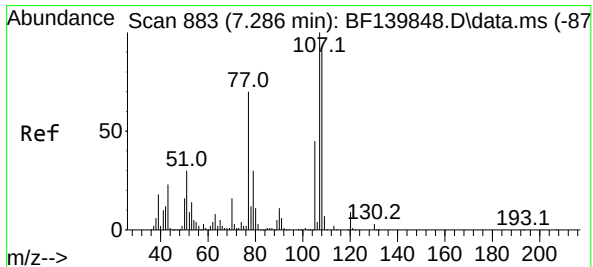
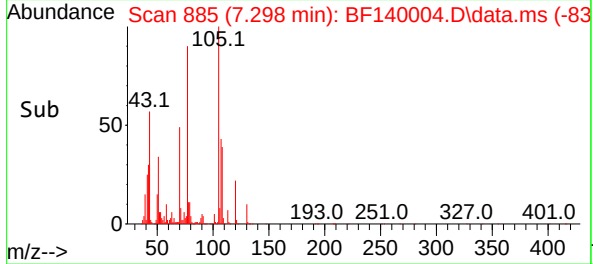
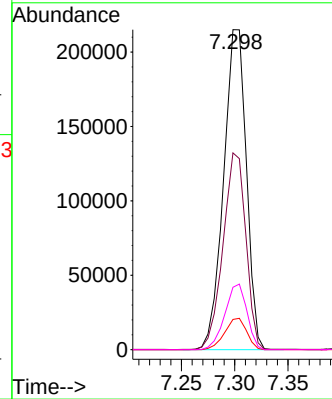
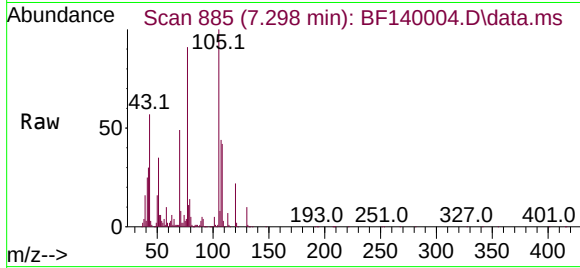




#19  
n-Nitroso-di-n-propylamine  
Concen: 42.061 ng  
RT: 7.298 min Scan# 885  
Delta R.T. -0.006 min  
Lab File: BF140004.D  
Acq: 24 Oct 2024 16:48

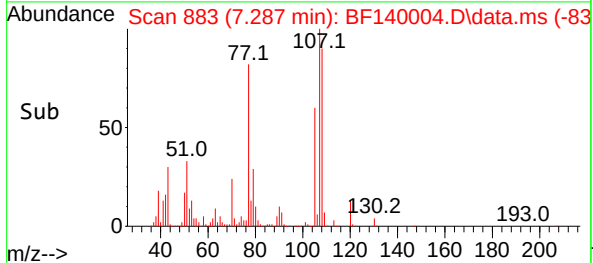
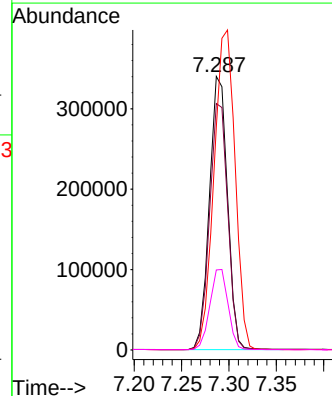
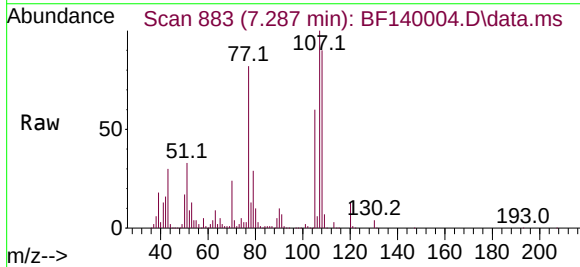
Instrument :  
BNA\_F  
ClientSampleId :  
TP-1MS

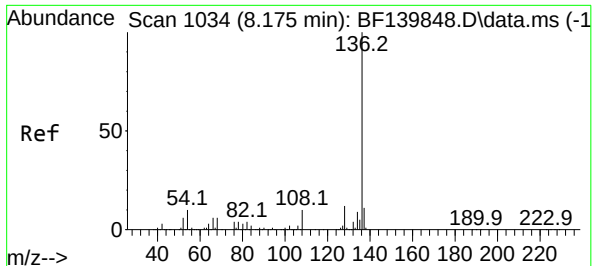
Tgt Ion: 70 Resp: 319244  
Ion Ratio Lower Upper  
70 100  
42 61.5 51.5 77.3  
101 9.5 7.5 11.3  
130 19.5 15.5 23.3



#20  
3+4-Methylphenols  
Concen: 41.841 ng  
RT: 7.287 min Scan# 883  
Delta R.T. 0.000 min  
Lab File: BF140004.D  
Acq: 24 Oct 2024 16:48

Tgt Ion: 107 Resp: 450776  
Ion Ratio Lower Upper  
107 100  
108 90.1 69.8 109.8  
77 81.5 50.5 90.5  
79 29.3 10.2 50.2





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.175 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF140004.D

Acq: 24 Oct 2024 16:48

Instrument :

BNA\_F

ClientSampleId :

TP-1MS

Tgt Ion:136 Resp: 576250

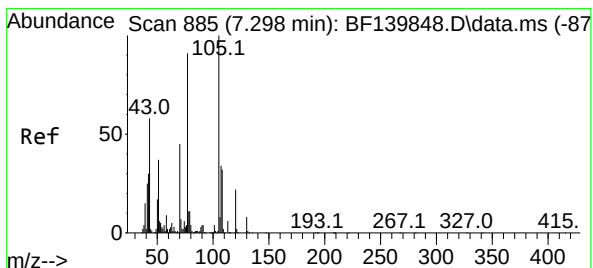
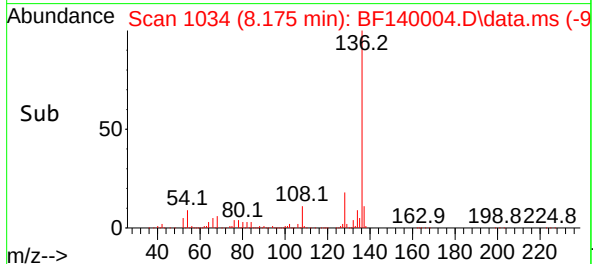
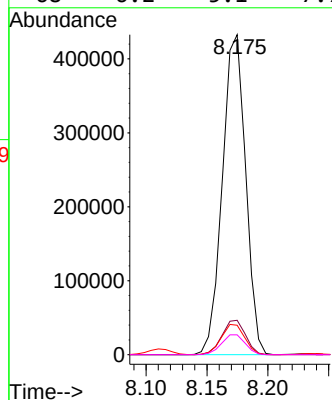
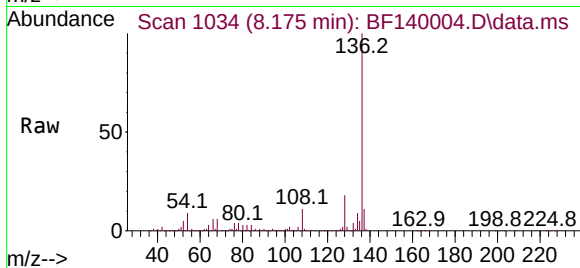
Ion Ratio Lower Upper

136 100

137 10.7 8.6 12.8

54 9.2 8.4 12.6

68 6.2 5.1 7.7



#22

Acetophenone

Concen: 42.909 ng

RT: 7.298 min Scan# 885

Delta R.T. 0.000 min

Lab File: BF140004.D

Acq: 24 Oct 2024 16:48

Tgt Ion:105 Resp: 605629

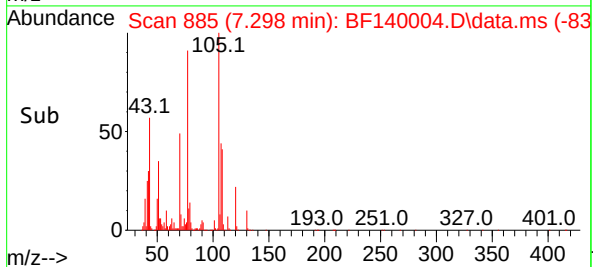
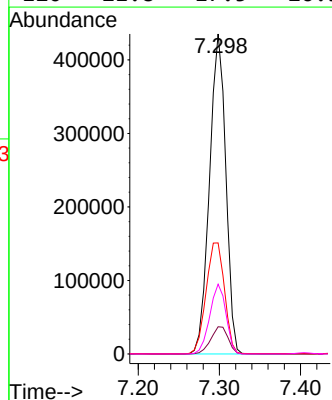
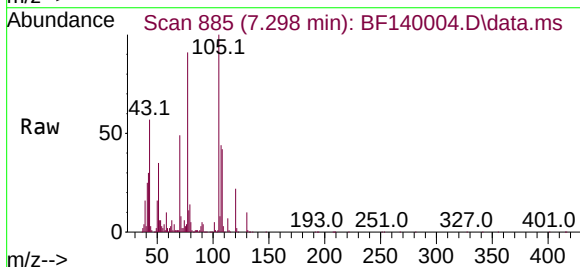
Ion Ratio Lower Upper

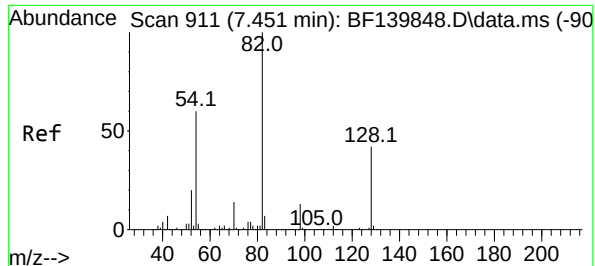
105 100

71 8.5 5.9 8.9

51 34.7 29.4 44.2

120 21.8 17.5 26.3





#23

Nitrobenzene-d5

Concen: 61.824 ng

RT: 7.451 min Scan# 911

Delta R.T. 0.000 min

Lab File: BF140004.D

Acq: 24 Oct 2024 16:48

Instrument :

BNA\_F

ClientSampleId :

TP-1MS

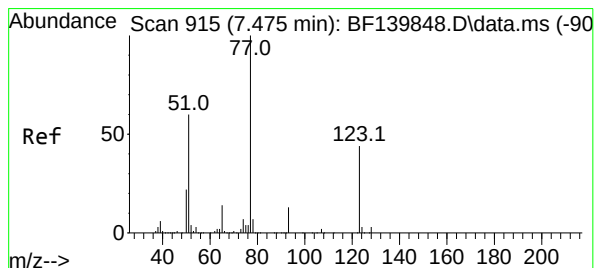
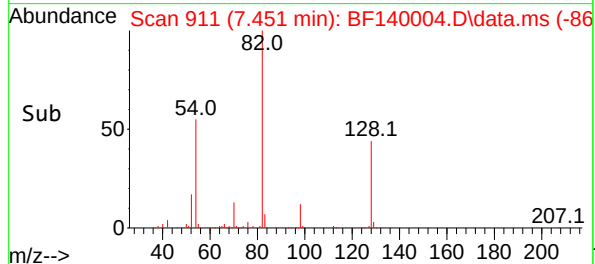
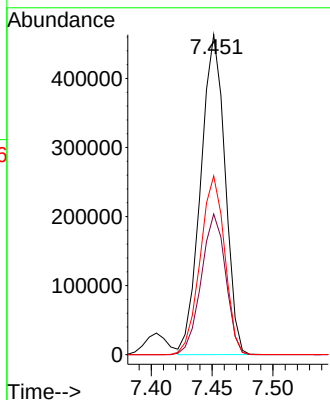
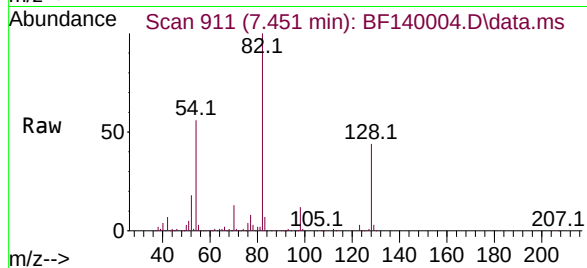
Tgt Ion: 82 Resp: 642796

Ion Ratio Lower Upper

82 100

128 44.0 33.4 50.0

54 55.8 47.8 71.8



#24

Nitrobenzene

Concen: 42.254 ng

RT: 7.469 min Scan# 914

Delta R.T. -0.006 min

Lab File: BF140004.D

Acq: 24 Oct 2024 16:48

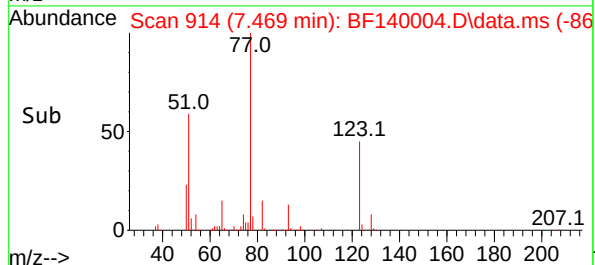
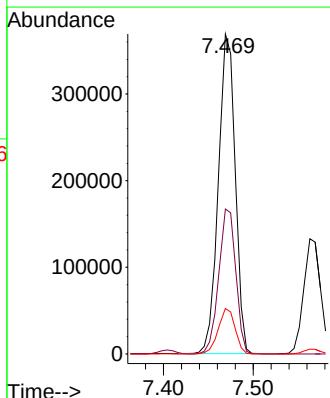
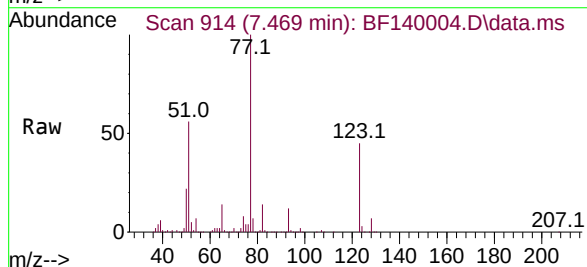
Tgt Ion: 77 Resp: 481672

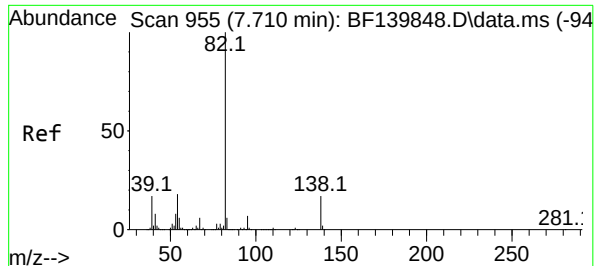
Ion Ratio Lower Upper

77 100

123 45.3 35.7 53.5

65 14.2 11.5 17.3

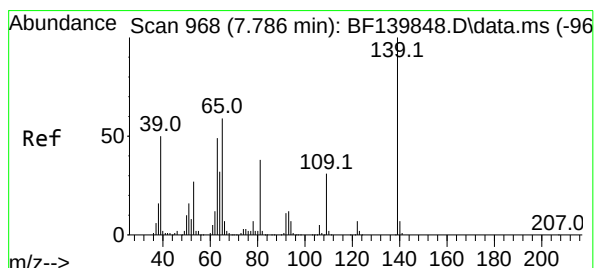
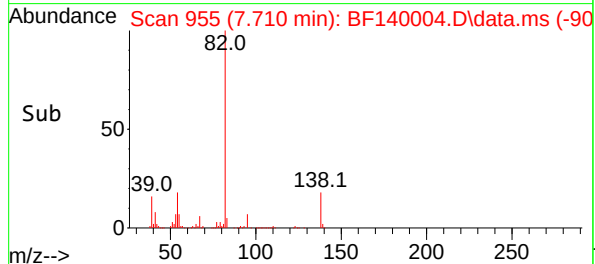
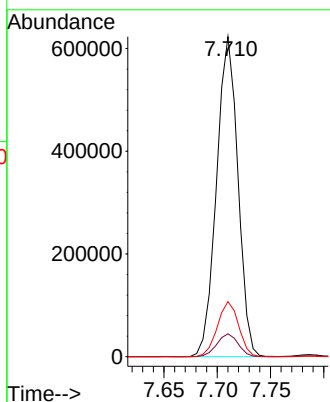
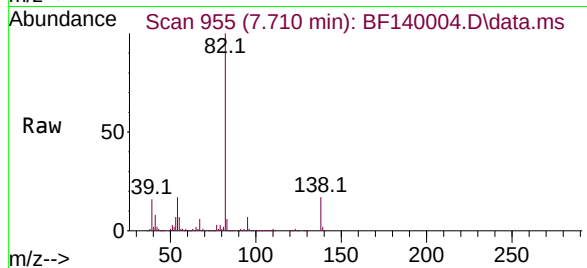




#25  
Isophorone  
Concen: 43.969 ng  
RT: 7.710 min Scan# 955  
Delta R.T. 0.000 min  
Lab File: BF140004.D  
Acq: 24 Oct 2024 16:48

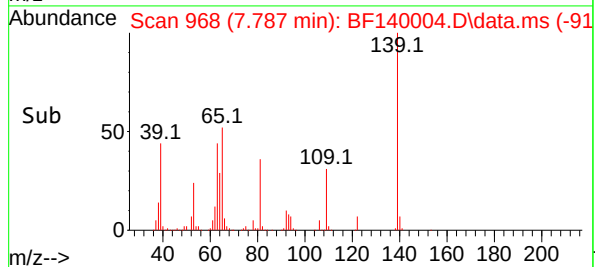
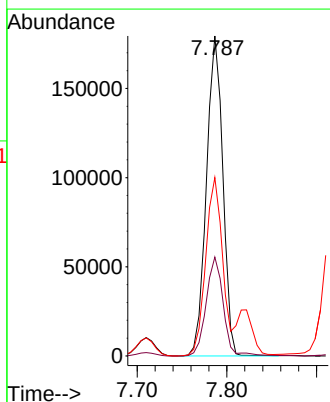
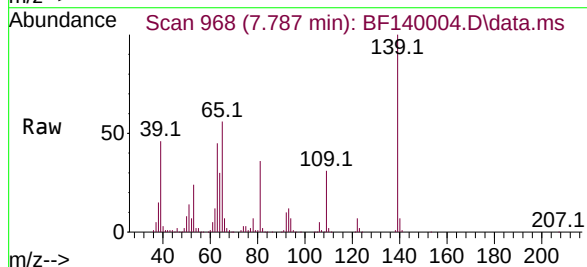
Instrument :  
BNA\_F  
ClientSampleId :  
TP-1MS

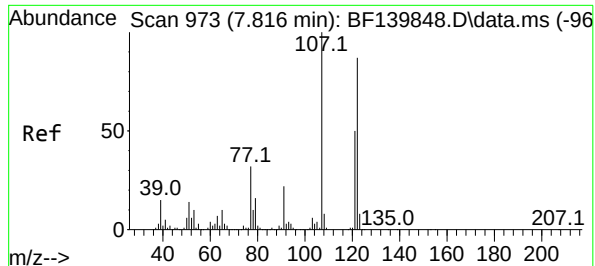
Tgt Ion: 82 Resp: 867683  
Ion Ratio Lower Upper  
82 100  
95 7.2 5.5 8.3  
138 17.2 13.2 19.8



#26  
2-Nitrophenol  
Concen: 52.943 ng  
RT: 7.787 min Scan# 968  
Delta R.T. 0.000 min  
Lab File: BF140004.D  
Acq: 24 Oct 2024 16:48

Tgt Ion:139 Resp: 227680  
Ion Ratio Lower Upper  
139 100  
109 30.9 25.1 37.7  
65 55.7 47.5 71.3





#27

2,4-Dimethylphenol

Concen: 51.788 ng

RT: 7.822 min Scan# 91

Delta R.T. 0.006 min

Lab File: BF140004.D

Acq: 24 Oct 2024 16:48

Instrument :

BNA\_F

ClientSampleId :

TP-1MS

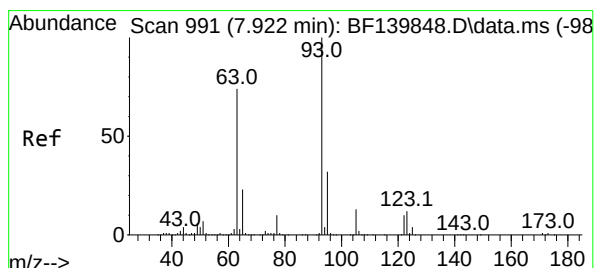
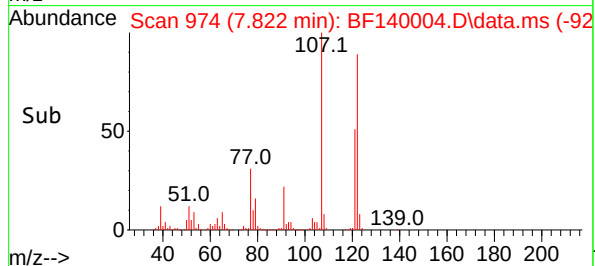
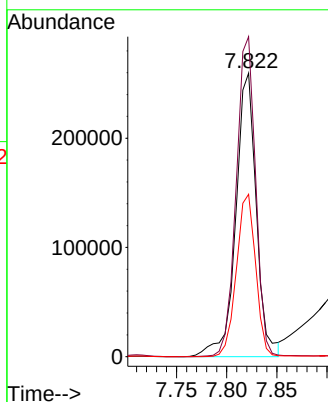
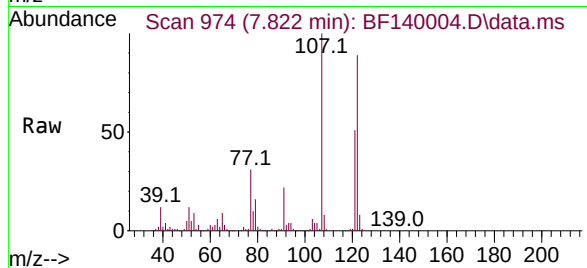
Tgt Ion:122 Resp: 371367

Ion Ratio Lower Upper

122 100

107 112.9 91.9 137.9

121 57.3 46.2 69.4



#28

bis(2-Chloroethoxy)methane

Concen: 43.306 ng

RT: 7.922 min Scan# 991

Delta R.T. 0.000 min

Lab File: BF140004.D

Acq: 24 Oct 2024 16:48

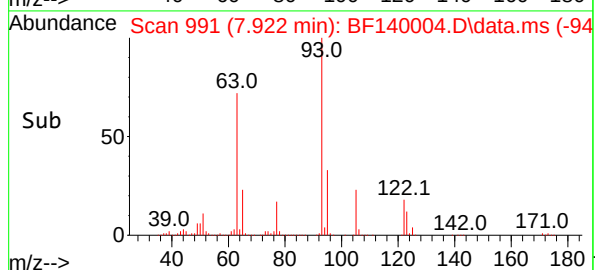
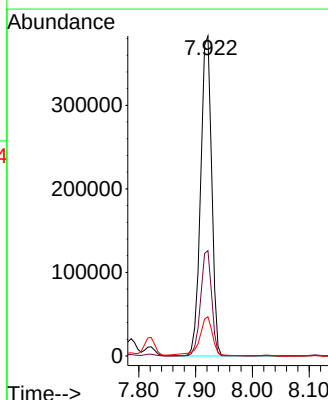
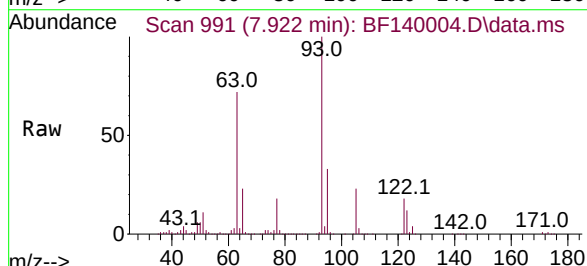
Tgt Ion: 93 Resp: 517766

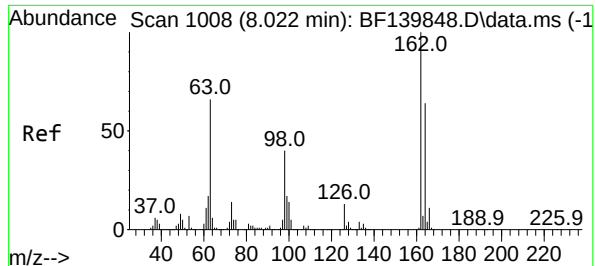
Ion Ratio Lower Upper

93 100

95 32.9 26.0 39.0

123 12.3 9.8 14.8





#29

2,4-Dichlorophenol

Concen: 45.279 ng

RT: 8.028 min Scan# 1008

Delta R.T. 0.006 min

Lab File: BF140004.D

Acq: 24 Oct 2024 16:48

Instrument :

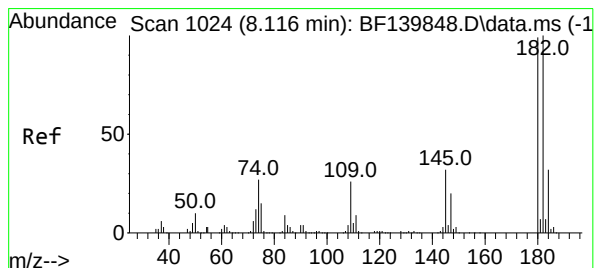
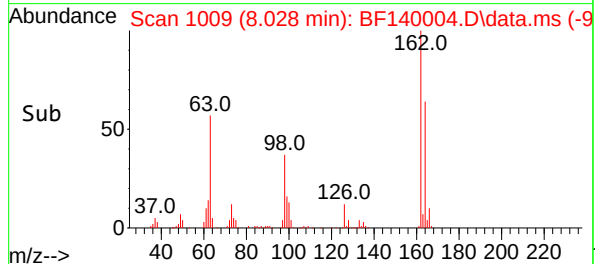
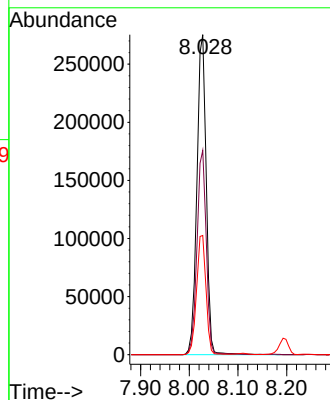
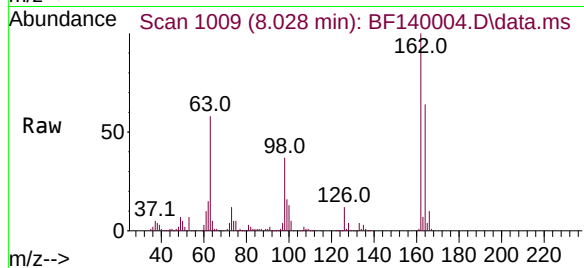
BNA\_F

ClientSampleId :

TP-1MS

Tgt Ion:162 Resp: 369829

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 162 | 100   |       |       |
| 164 | 63.9  | 43.9  | 83.9  |
| 98  | 37.2  | 19.9  | 59.9  |



#30

1,2,4-Trichlorobenzene

Concen: 42.340 ng

RT: 8.110 min Scan# 1023

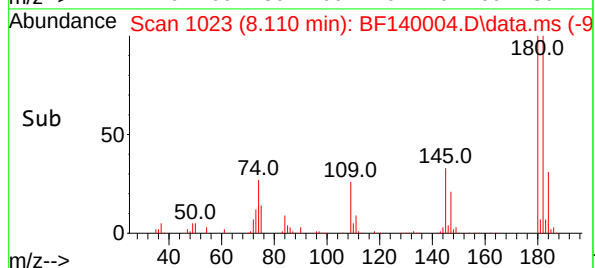
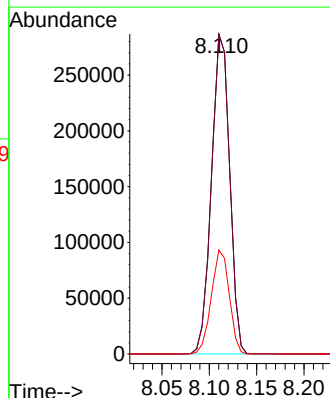
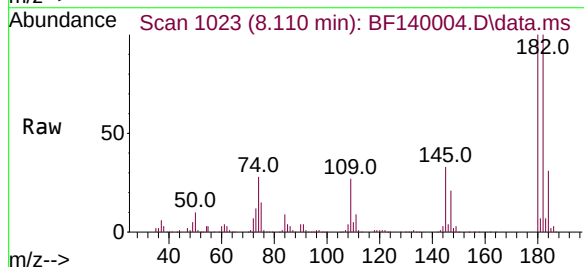
Delta R.T. -0.006 min

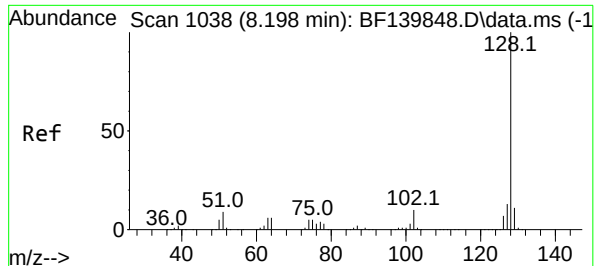
Lab File: BF140004.D

Acq: 24 Oct 2024 16:48

Tgt Ion:180 Resp: 382660

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 180 | 100   |       |       |
| 182 | 99.6  | 80.5  | 120.7 |
| 145 | 32.5  | 25.4  | 38.0  |





#31

Naphthalene

Concen: 43.206 ng

RT: 8.192 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF140004.D

Acq: 24 Oct 2024 16:48

Instrument :

BNA\_F

ClientSampleId :

TP-1MS

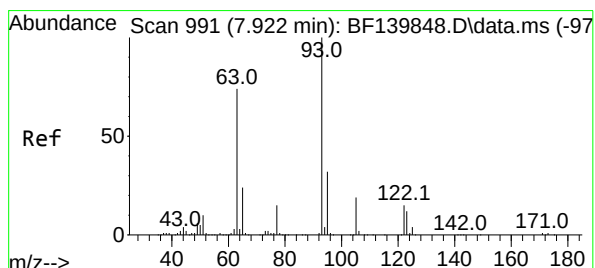
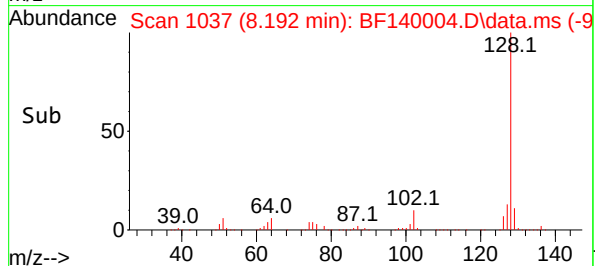
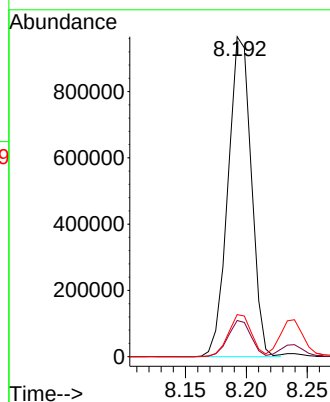
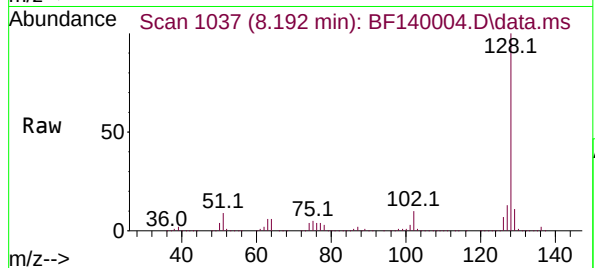
Tgt Ion:128 Resp: 1284074

Ion Ratio Lower Upper

128 100

129 11.3 8.9 13.3

127 13.1 10.6 16.0



#32

Benzoic acid

Concen: 41.824 ng

RT: 7.928 min Scan# 992

Delta R.T. 0.006 min

Lab File: BF140004.D

Acq: 24 Oct 2024 16:48

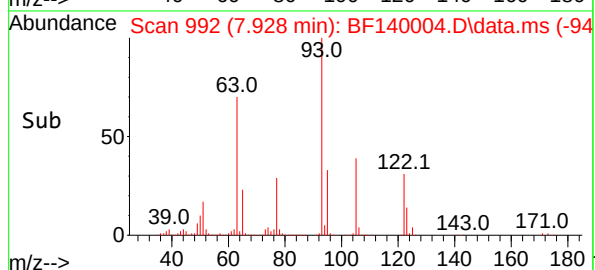
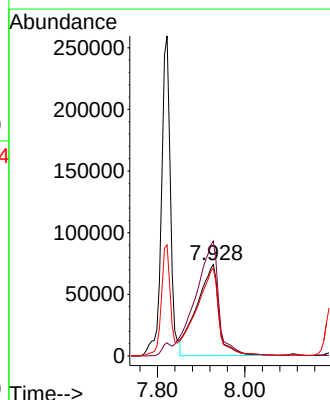
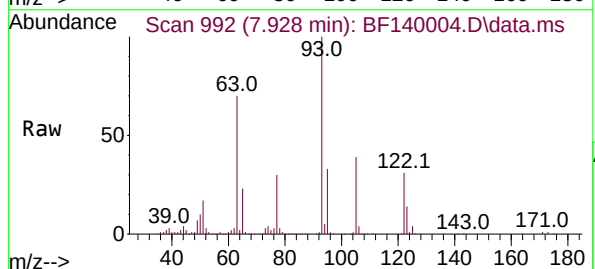
Tgt Ion:122 Resp: 261579

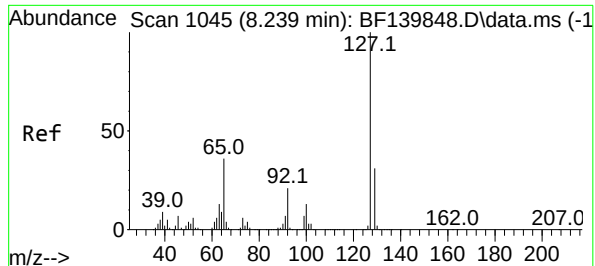
Ion Ratio Lower Upper

122 100

105 125.9 107.6 147.6

77 96.4 80.2 120.2





#33

4-Chloroaniline

Concen: 15.795 ng

RT: 8.239 min Scan# 1045

Delta R.T. 0.000 min

Lab File: BF140004.D

Acq: 24 Oct 2024 16:48

Instrument :

BNA\_F

ClientSampleId :

TP-1MS

Tgt Ion:127 Resp: 160062

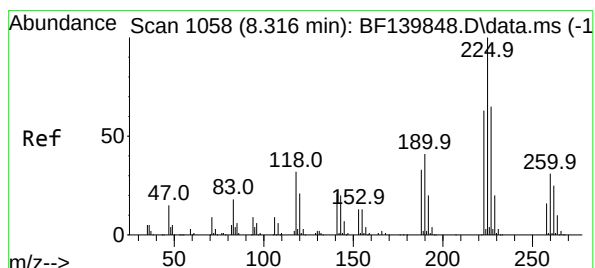
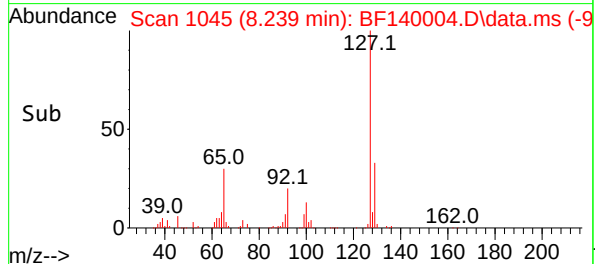
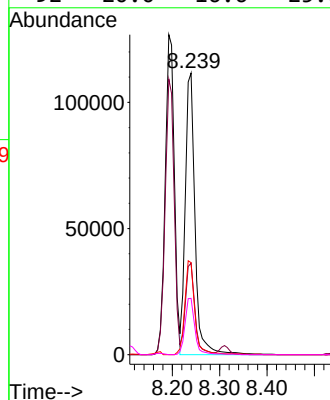
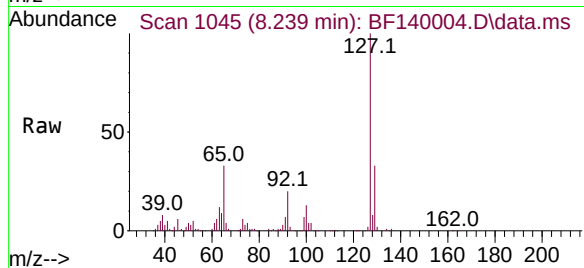
Ion Ratio Lower Upper

127 100

129 32.5 25.4 38.2

65 32.7 28.4 42.6

92 20.0 16.6 25.0



#34

Hexachlorobutadiene

Concen: 44.130 ng

RT: 8.310 min Scan# 1057

Delta R.T. -0.006 min

Lab File: BF140004.D

Acq: 24 Oct 2024 16:48

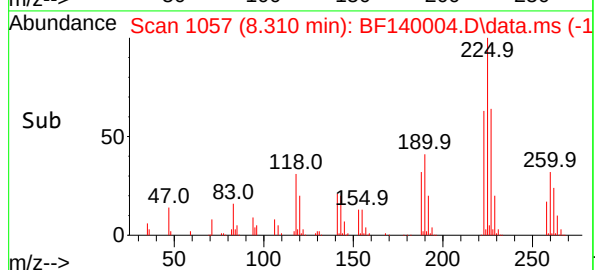
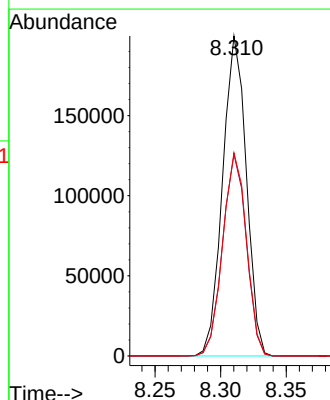
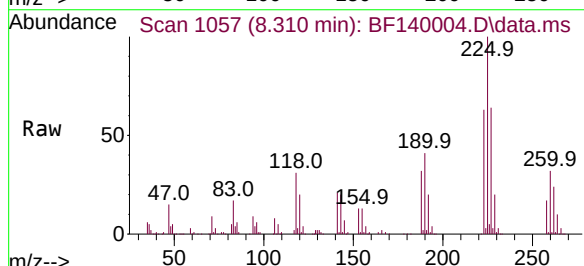
Tgt Ion:225 Resp: 250591

Ion Ratio Lower Upper

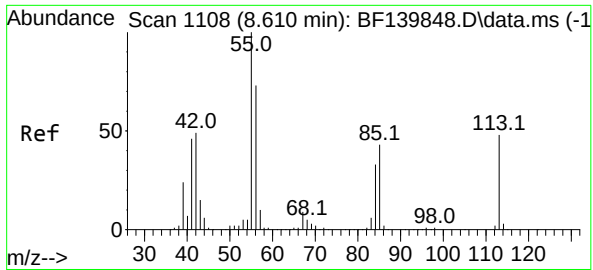
225 100

223 63.0 50.6 76.0

227 63.5 51.8 77.8



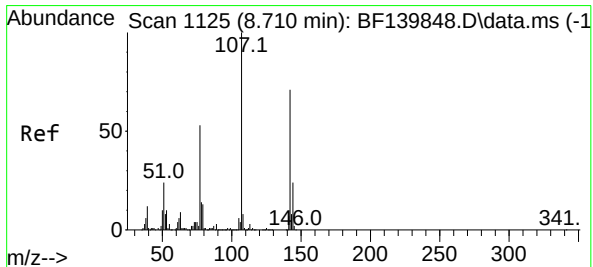
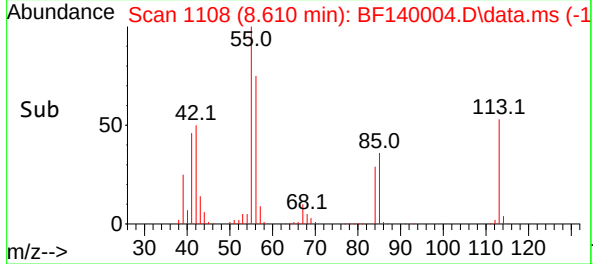
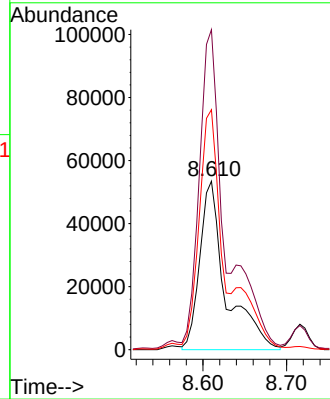
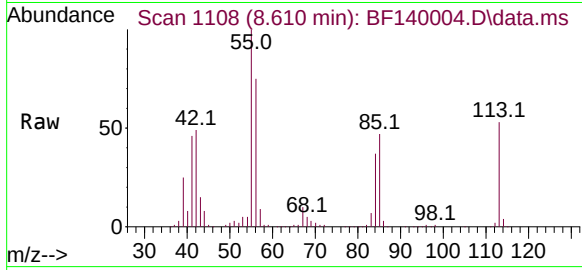




#35  
Caprolactam  
Concen: 44.727 ng m  
RT: 8.610 min Scan# 1108  
Delta R.T. 0.000 min  
Lab File: BF140004.D  
Acq: 24 Oct 2024 16:48

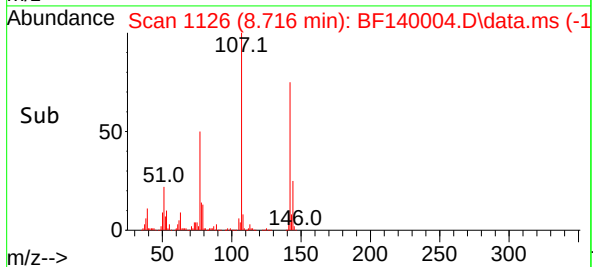
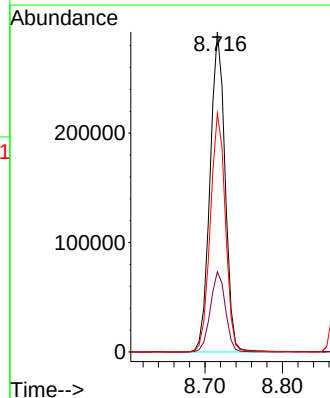
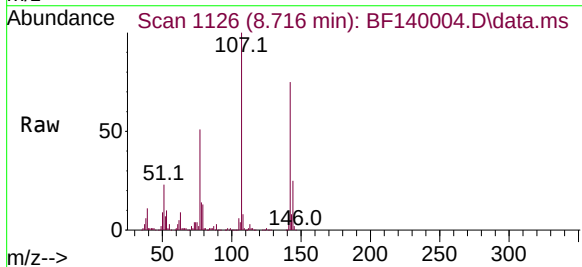
Instrument :  
BNA\_F  
ClientSampleId :  
TP-1MS

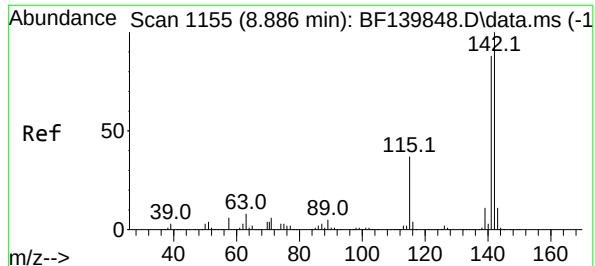
Tgt Ion:113 Resp: 116159  
Ion Ratio Lower Upper  
113 100  
55 190.0 189.2 229.2  
56 142.5 132.5 172.5



#36  
4-Chloro-3-methylphenol  
Concen: 43.569 ng  
RT: 8.716 min Scan# 1126  
Delta R.T. 0.006 min  
Lab File: BF140004.D  
Acq: 24 Oct 2024 16:48

Tgt Ion:107 Resp: 394038  
Ion Ratio Lower Upper  
107 100  
144 25.1 19.1 28.7  
142 74.6 57.2 85.8





#37

2-Methylnaphthalene

Concen: 44.103 ng

RT: 8.887 min Scan# 1155

Delta R.T. 0.000 min

Lab File: BF140004.D

Acq: 24 Oct 2024 16:48

Instrument :

BNA\_F

ClientSampleId :

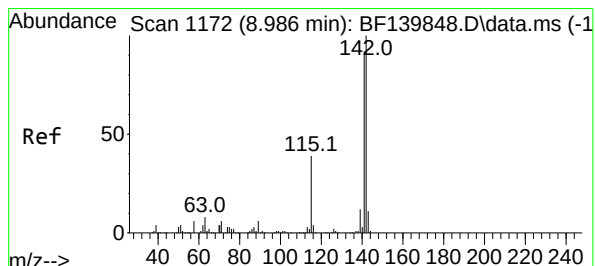
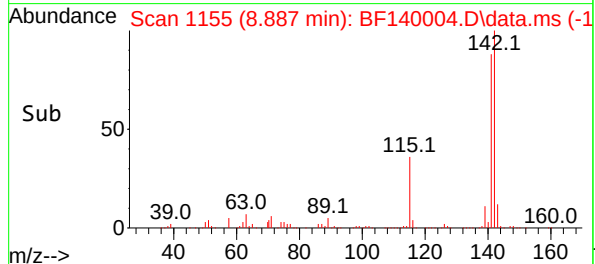
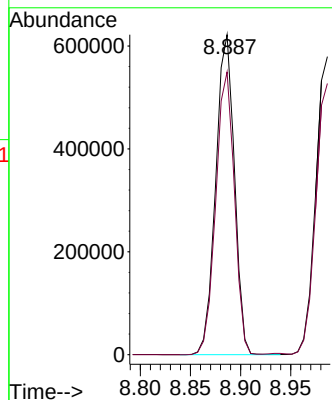
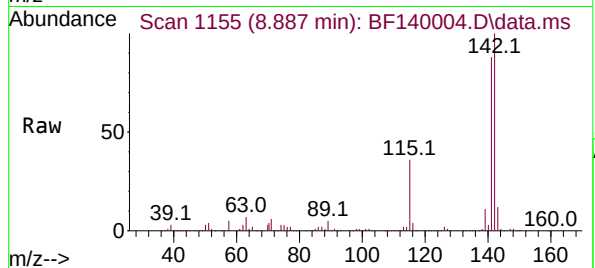
TP-1MS

Tgt Ion:142 Resp: 802736

Ion Ratio Lower Upper

142 100

141 88.4 70.8 106.2



#38

1-Methylnaphthalene

Concen: 42.130 ng

RT: 8.987 min Scan# 1172

Delta R.T. 0.000 min

Lab File: BF140004.D

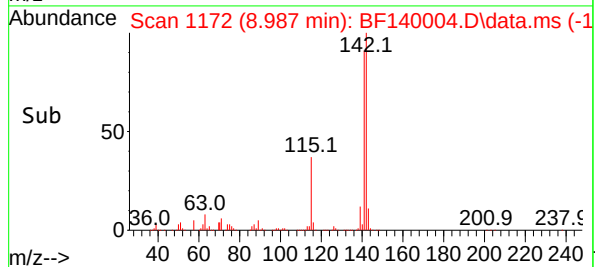
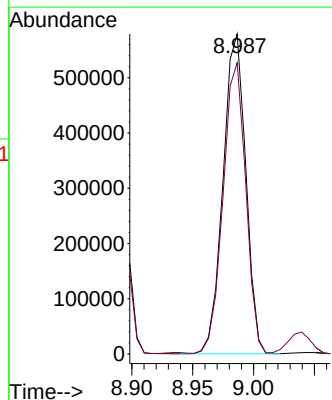
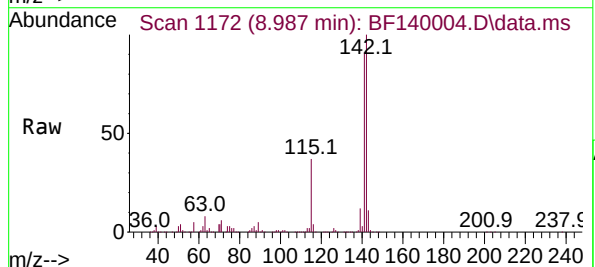
Acq: 24 Oct 2024 16:48

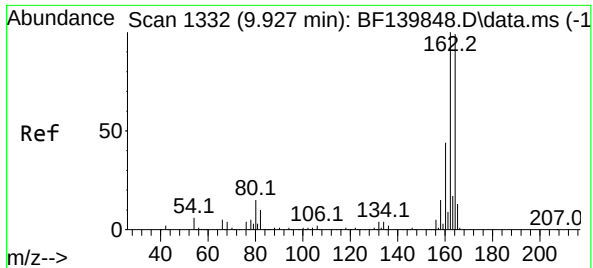
Tgt Ion:142 Resp: 752339

Ion Ratio Lower Upper

142 100

141 91.0 73.5 110.3

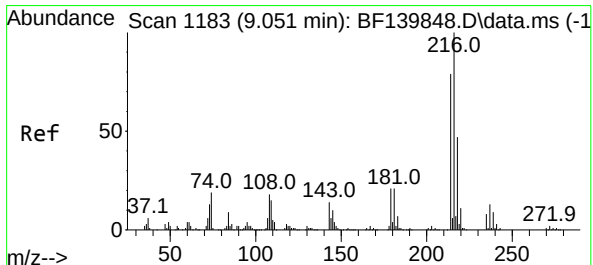
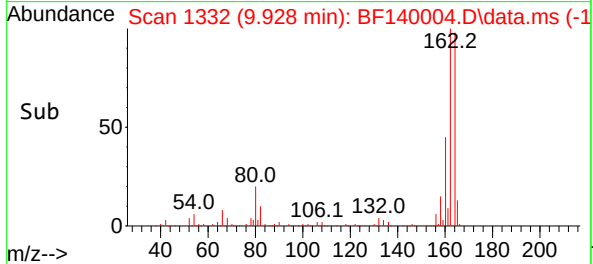
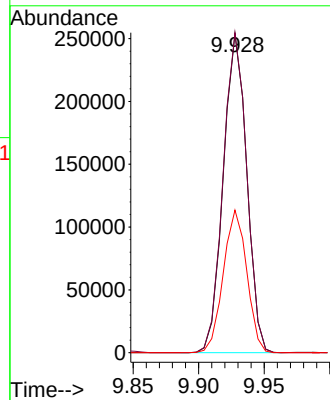
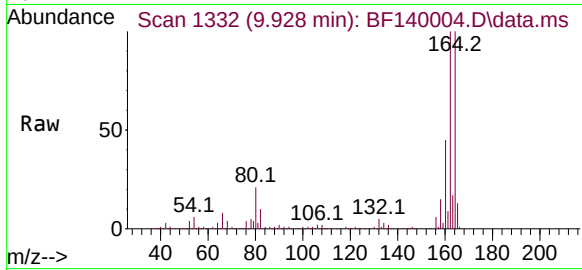




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.928 min Scan# 1183  
Delta R.T. 0.001 min  
Lab File: BF140004.D  
Acq: 24 Oct 2024 16:48

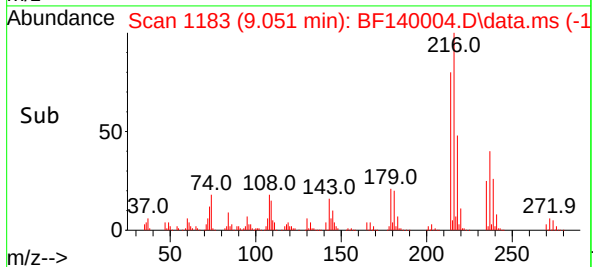
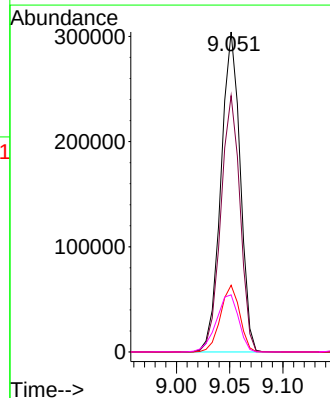
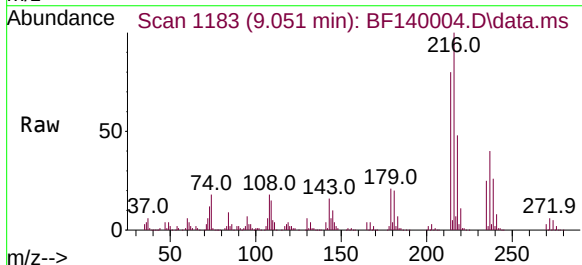
Instrument :  
BNA\_F  
ClientSampleId :  
TP-1MS

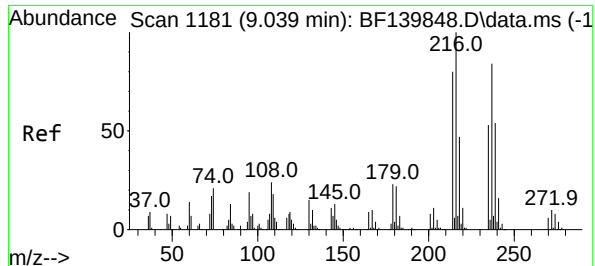
Tgt Ion:164 Resp: 315137  
Ion Ratio Lower Upper  
164 100  
162 100.4 81.0 121.4  
160 44.7 35.4 53.0



#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 44.778 ng  
RT: 9.051 min Scan# 1183  
Delta R.T. 0.000 min  
Lab File: BF140004.D  
Acq: 24 Oct 2024 16:48

Tgt Ion:216 Resp: 380696  
Ion Ratio Lower Upper  
216 100  
214 80.0 63.4 95.0  
179 20.8 17.2 25.8  
108 20.8 15.6 23.4

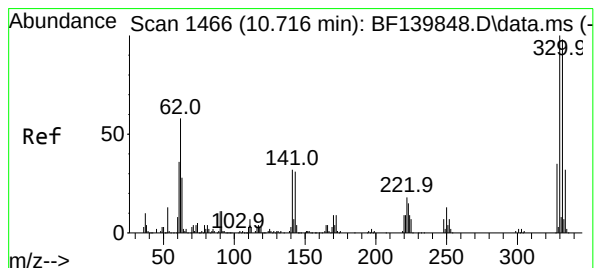
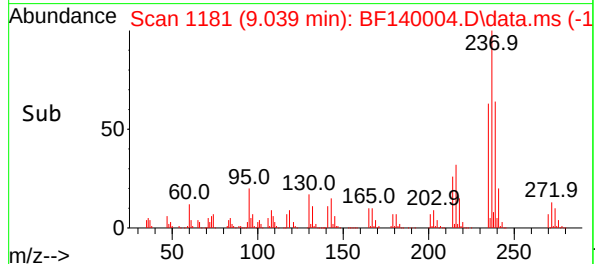
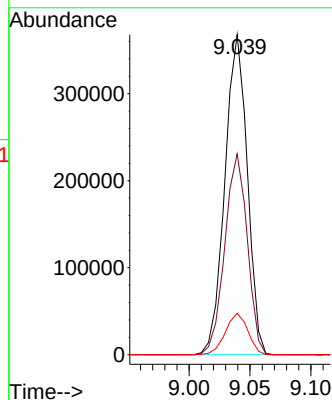
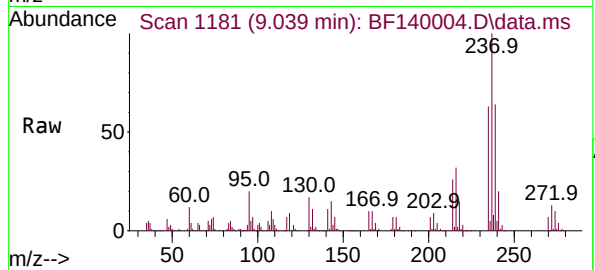




#41  
Hexachlorocyclopentadiene  
Concen: 159.336 ng  
RT: 9.039 min Scan# 1181  
Delta R.T. 0.000 min  
Lab File: BF140004.D  
Acq: 24 Oct 2024 16:48

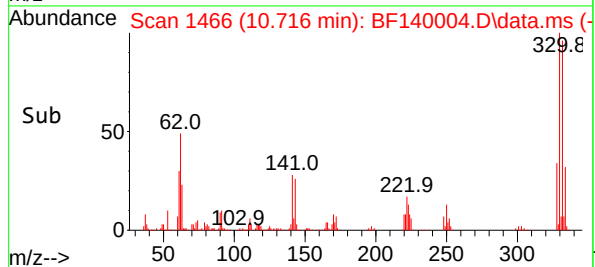
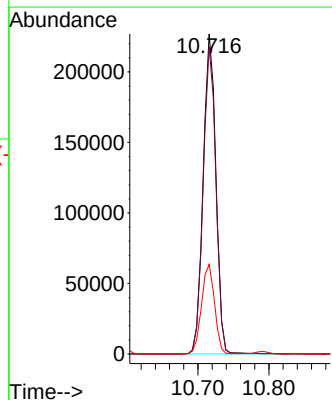
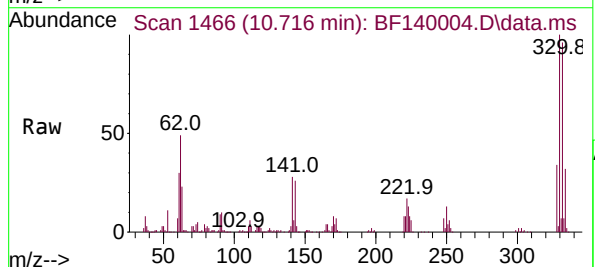
Instrument :  
BNA\_F  
ClientSampleId :  
TP-1MS

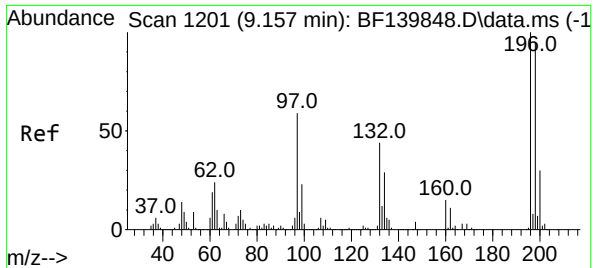
Tgt Ion:237 Resp: 471357  
Ion Ratio Lower Upper  
237 100  
235 62.7 42.9 82.9  
272 12.9 0.0 32.3



#42  
2,4,6-Tribromophenol  
Concen: 96.043 ng  
RT: 10.716 min Scan# 1466  
Delta R.T. 0.000 min  
Lab File: BF140004.D  
Acq: 24 Oct 2024 16:48

Tgt Ion:330 Resp: 283105  
Ion Ratio Lower Upper  
330 100  
332 96.1 78.1 117.1  
141 28.7 26.6 39.8

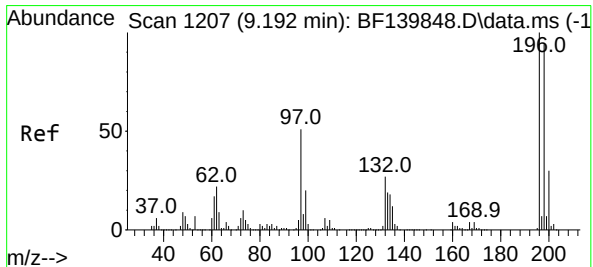
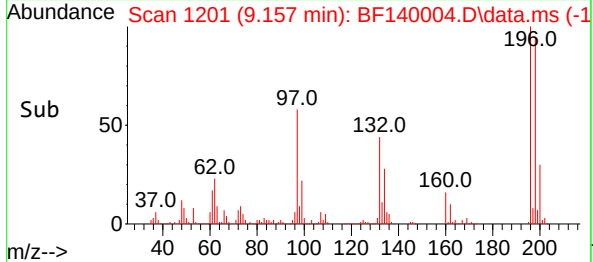
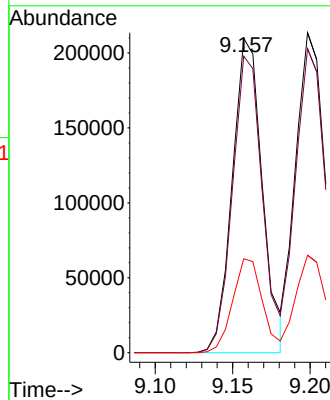
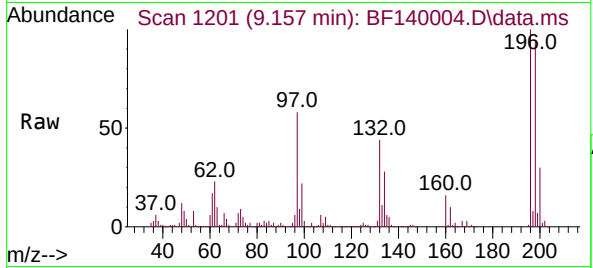




#43  
2,4,6-Trichlorophenol  
Concen: 46.888 ng  
RT: 9.157 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BF140004.D  
Acq: 24 Oct 2024 16:48

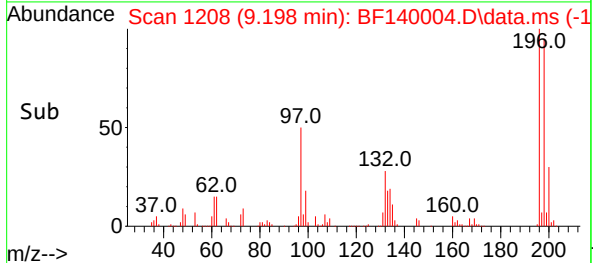
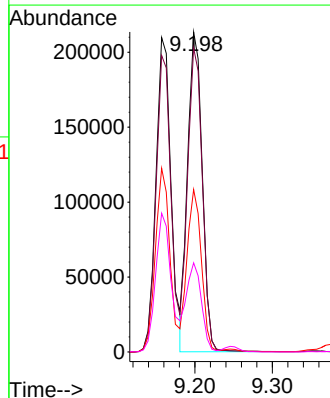
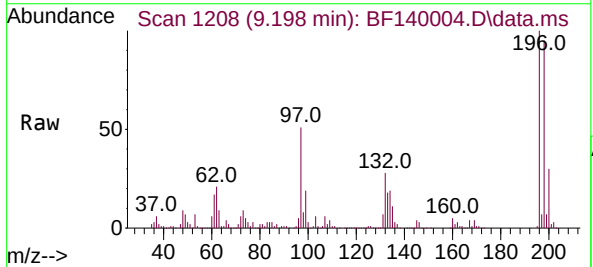
Instrument :  
BNA\_F  
ClientSampleId :  
TP-1MS

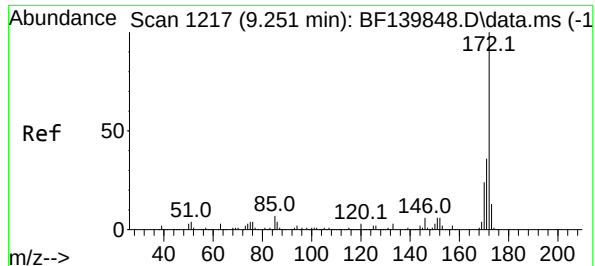
Tgt Ion:196 Resp: 282232  
Ion Ratio Lower Upper  
196 100  
198 94.3 76.2 114.2  
200 29.9 24.0 36.0



#44  
2,4,5-Trichlorophenol  
Concen: 45.150 ng  
RT: 9.198 min Scan# 1208  
Delta R.T. 0.006 min  
Lab File: BF140004.D  
Acq: 24 Oct 2024 16:48

Tgt Ion:196 Resp: 280392  
Ion Ratio Lower Upper  
196 100  
198 95.0 75.8 113.6  
97 50.8 41.8 62.6  
132 27.9 22.9 34.3





#45

2-Fluorobiphenyl

Concen: 58.929 ng

RT: 9.245 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF140004.D

Acq: 24 Oct 2024 16:48

Instrument :

BNA\_F

ClientSampleId :

TP-1MS

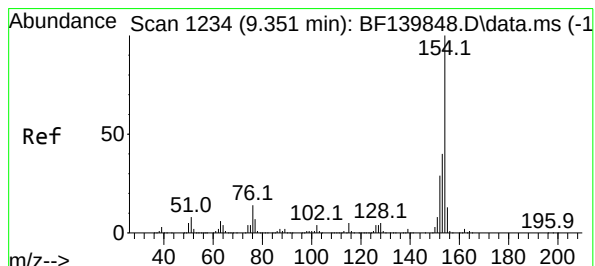
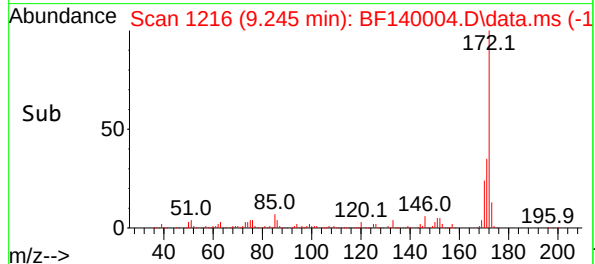
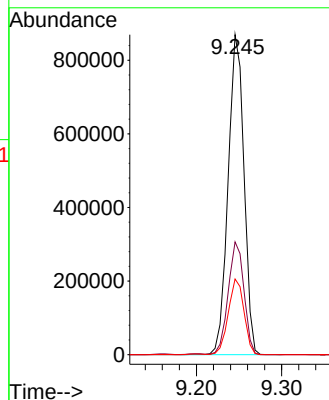
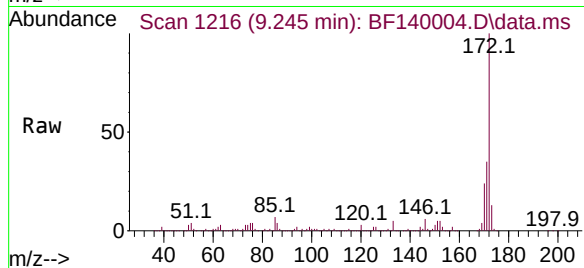
Tgt Ion:172 Resp: 1123670

Ion Ratio Lower Upper

172 100

171 35.3 28.6 43.0

170 23.6 19.1 28.7



#46

1,1'-Biphenyl

Concen: 44.379 ng

RT: 9.351 min Scan# 1234

Delta R.T. 0.000 min

Lab File: BF140004.D

Acq: 24 Oct 2024 16:48

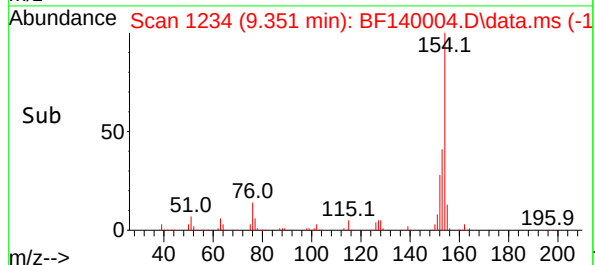
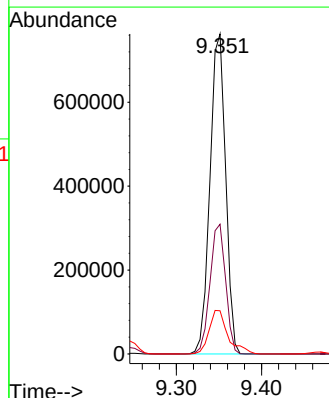
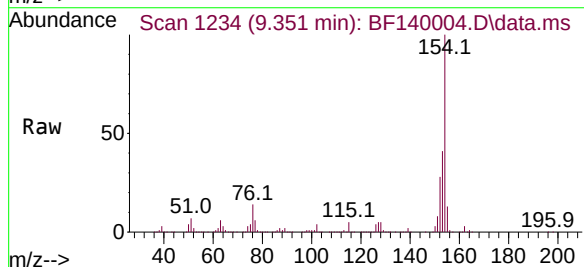
Tgt Ion:154 Resp: 973591

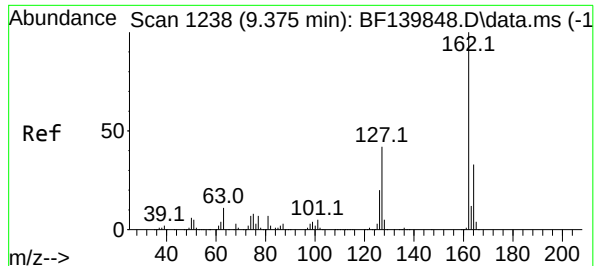
Ion Ratio Lower Upper

154 100

153 40.5 20.3 60.3

76 13.5 0.0 33.9





#47

2-Chloronaphthalene

Concen: 43.561 ng

RT: 9.375 min Scan# 1238

Delta R.T. 0.000 min

Lab File: BF140004.D

Acq: 24 Oct 2024 16:48

Instrument :

BNA\_F

ClientSampleId :

TP-1MS

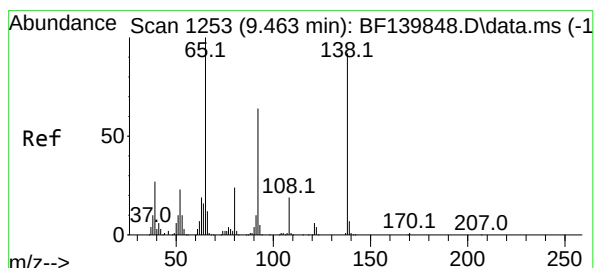
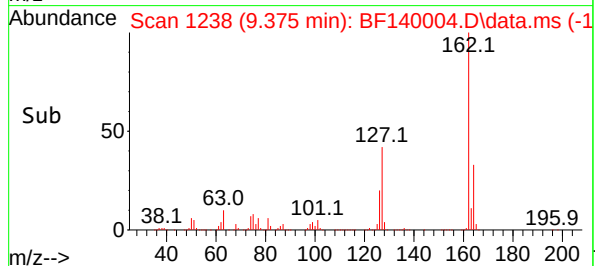
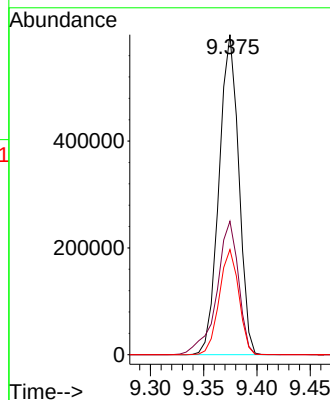
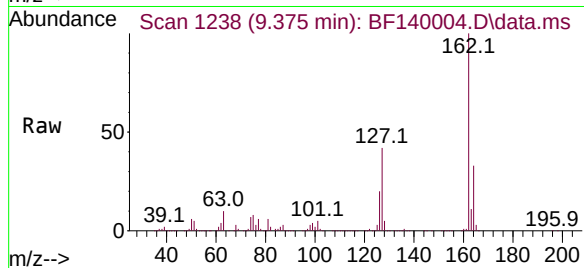
Tgt Ion:162 Resp: 769688

Ion Ratio Lower Upper

162 100

127 41.7 33.8 50.6

164 32.9 26.6 39.8



#48

2-Nitroaniline

Concen: 47.711 ng

RT: 9.469 min Scan# 1254

Delta R.T. 0.006 min

Lab File: BF140004.D

Acq: 24 Oct 2024 16:48

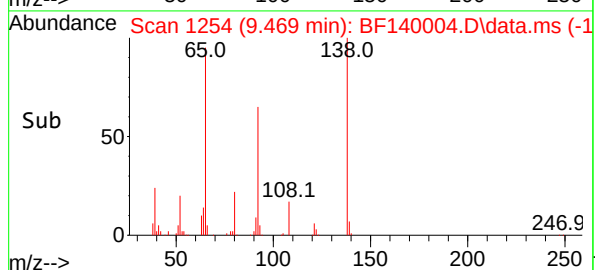
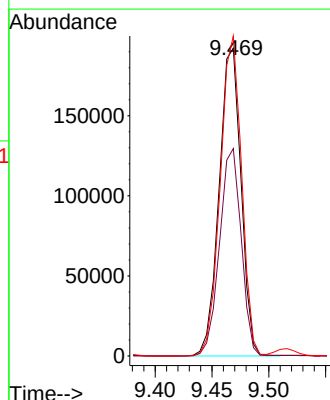
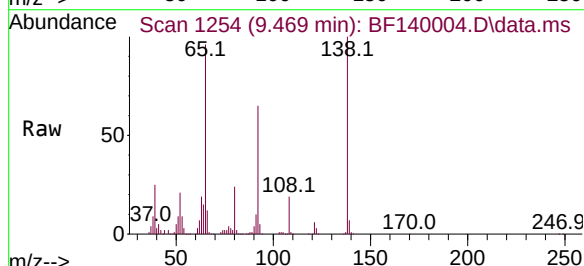
Tgt Ion: 65 Resp: 257832

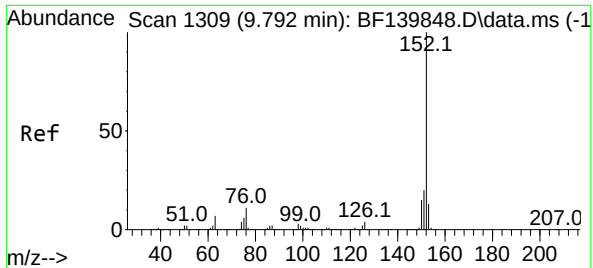
Ion Ratio Lower Upper

65 100

92 67.3 50.9 76.3

138 103.9 73.4 110.0





#49

Acenaphthylene

Concen: 46.575 ng

RT: 9.792 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF140004.D

Acq: 24 Oct 2024 16:48

Instrument :

BNA\_F

ClientSampleId :

TP-1MS

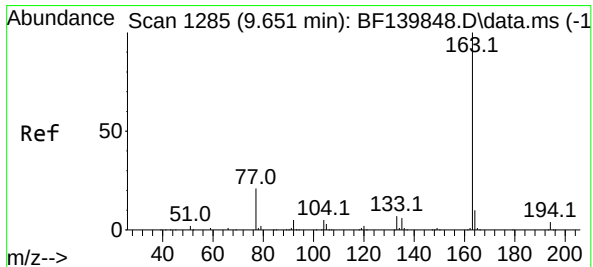
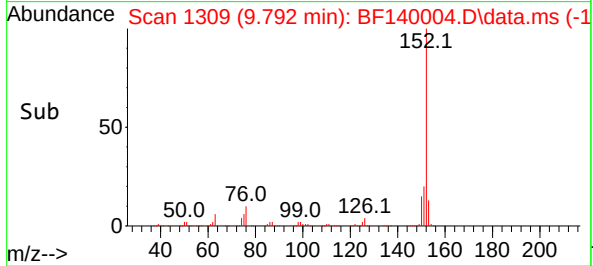
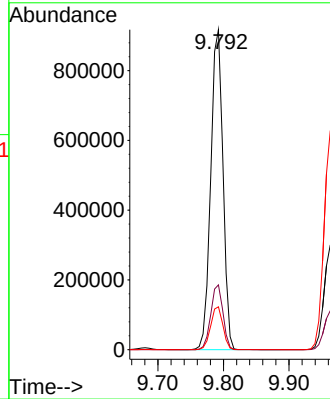
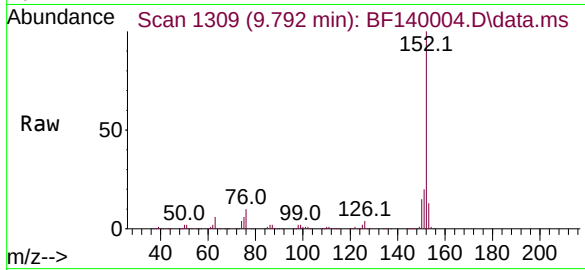
Tgt Ion:152 Resp: 1189746

Ion Ratio Lower Upper

152 100

151 20.3 15.9 23.9

153 13.4 10.7 16.1



#50

Dimethylphthalate

Concen: 45.730 ng

RT: 9.651 min Scan# 1285

Delta R.T. 0.000 min

Lab File: BF140004.D

Acq: 24 Oct 2024 16:48

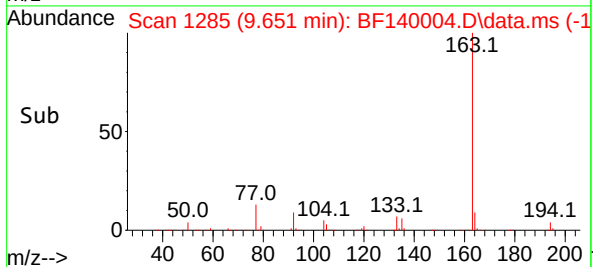
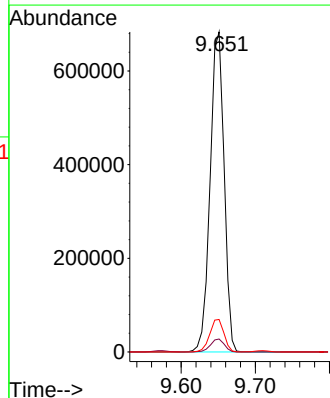
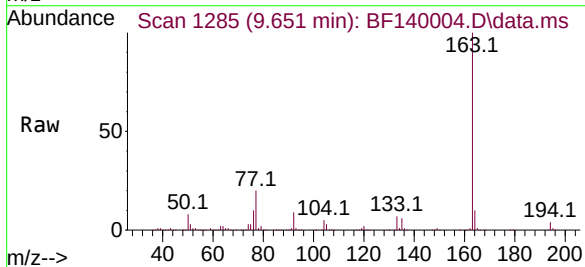
Tgt Ion:163 Resp: 897645

Ion Ratio Lower Upper

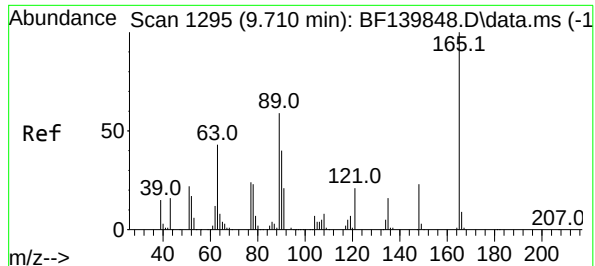
163 100

194 4.0 3.4 5.0

164 10.1 8.2 12.2







#51

2,6-Dinitrotoluene

Concen: 46.341 ng

RT: 9.710 min Scan# 1295

Delta R.T. 0.000 min

Lab File: BF140004.D

Acq: 24 Oct 2024 16:48

Instrument :

BNA\_F

ClientSampleId :

TP-1MS

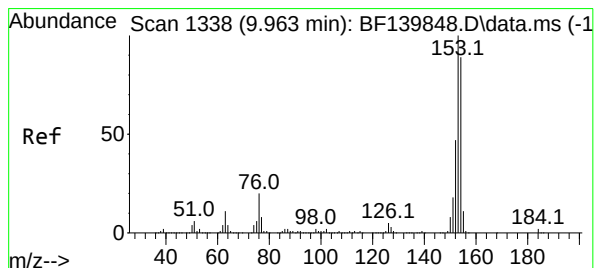
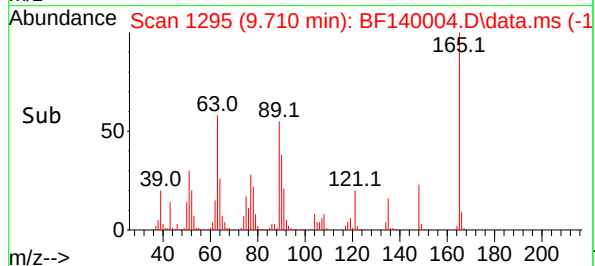
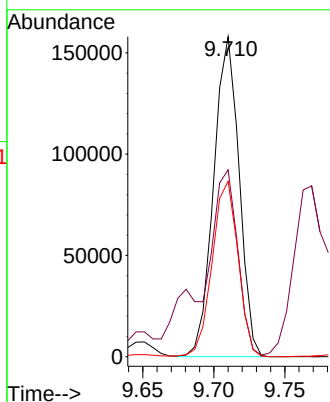
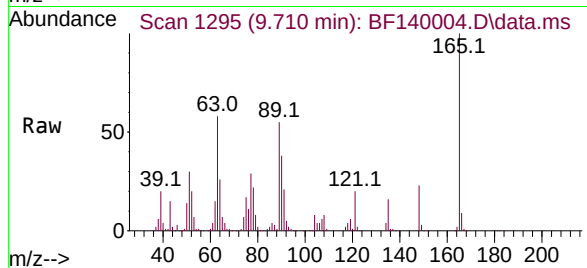
Tgt Ion:165 Resp: 196954

Ion Ratio Lower Upper

165 100

63 58.4 50.6 75.8

89 54.8 47.5 71.3



#52

Acenaphthene

Concen: 48.872 ng

RT: 9.963 min Scan# 1338

Delta R.T. 0.000 min

Lab File: BF140004.D

Acq: 24 Oct 2024 16:48

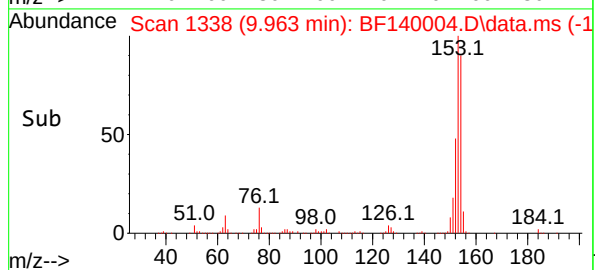
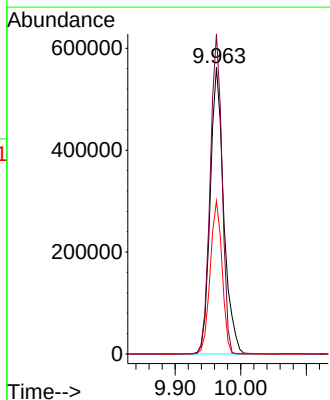
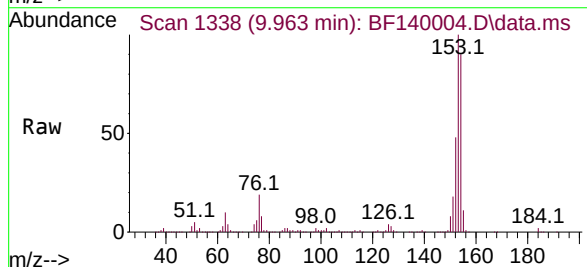
Tgt Ion:154 Resp: 807584

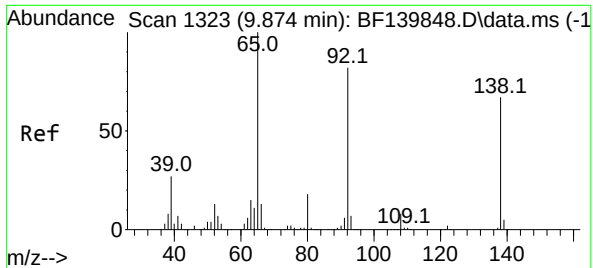
Ion Ratio Lower Upper

154 100

153 111.7 89.8 134.6

152 53.4 42.4 63.6

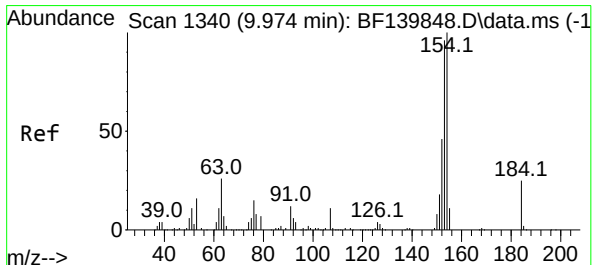
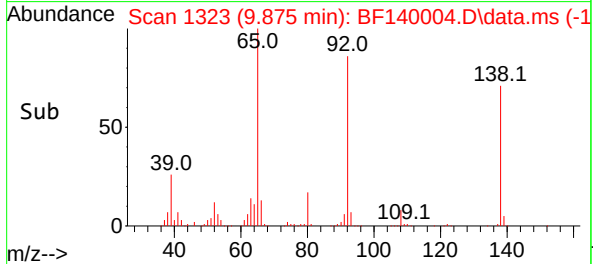
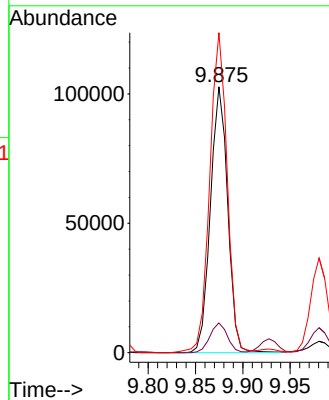
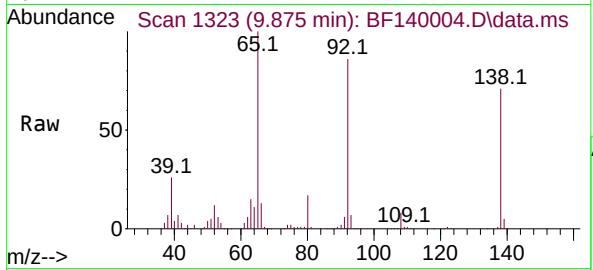




#53  
3-Nitroaniline  
Concen: 29.780 ng  
RT: 9.875 min Scan# 1323  
Delta R.T. 0.000 min  
Lab File: BF140004.D  
Acq: 24 Oct 2024 16:48

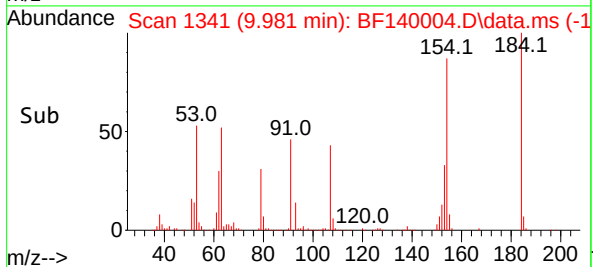
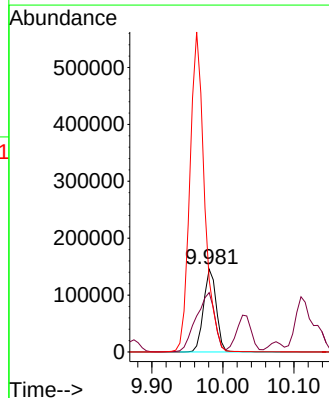
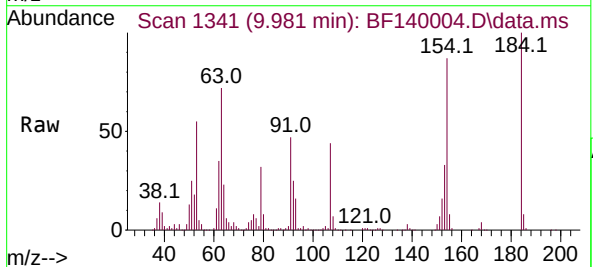
Instrument :  
BNA\_F  
ClientSampleId :  
TP-1MS

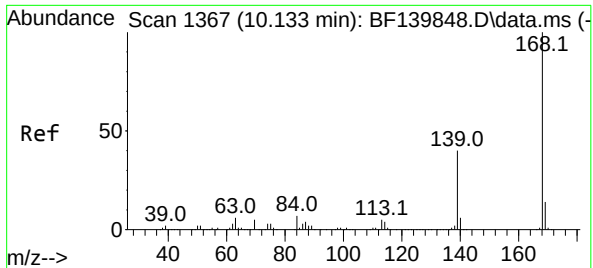
Tgt Ion:138 Resp: 130524  
Ion Ratio Lower Upper  
138 100  
108 11.2 10.2 15.2  
92 120.3 98.3 147.5



#54  
2,4-Dinitrophenol  
Concen: 101.561 ng  
RT: 9.981 min Scan# 1341  
Delta R.T. 0.007 min  
Lab File: BF140004.D  
Acq: 24 Oct 2024 16:48

Tgt Ion:184 Resp: 182723  
Ion Ratio Lower Upper  
184 100  
63 71.9 84.7 127.1#  
154 87.5 338.2 507.2#





#55

Dibenzenofuran

Concen: 44.486 ng

RT: 10.134 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF140004.D

Acq: 24 Oct 2024 16:48

Instrument :

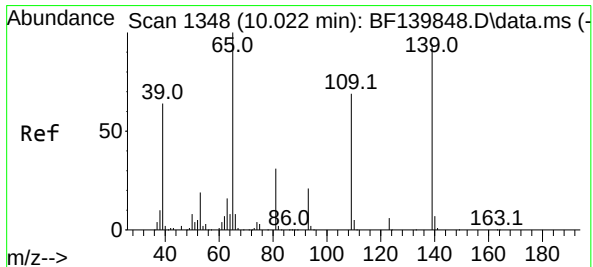
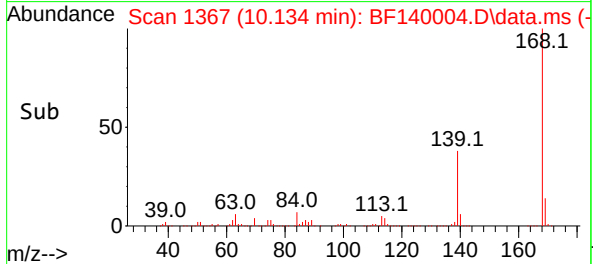
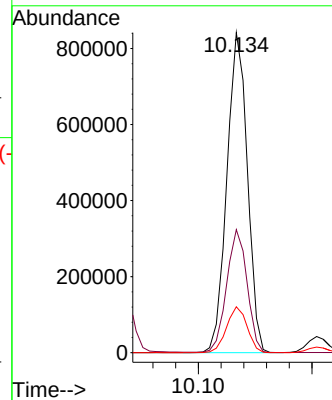
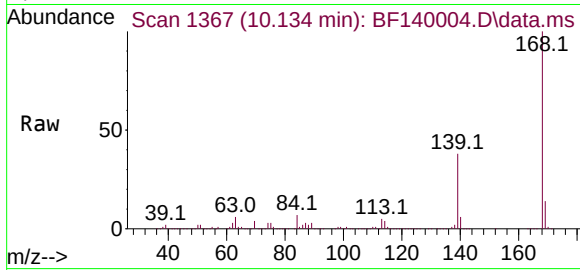
BNA\_F

ClientSampleId :

TP-1MS

Tgt Ion:168 Resp: 1054724

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 168 | 100   |       |       |
| 139 | 38.4  | 31.8  | 47.6  |
| 169 | 14.4  | 11.6  | 17.4  |



#56

4-Nitrophenol

Concen: 91.196 ng

RT: 10.034 min Scan# 1350

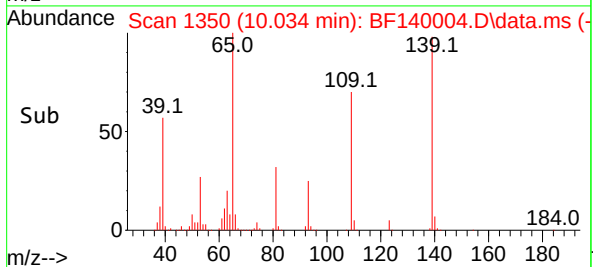
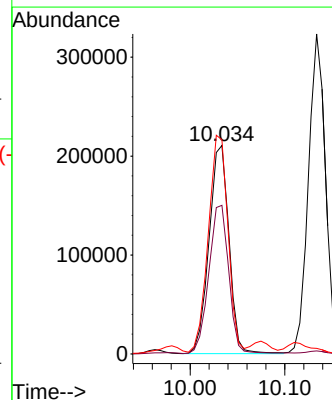
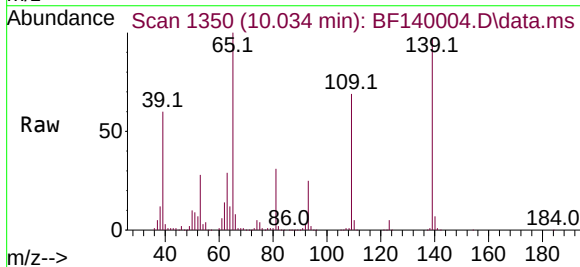
Delta R.T. 0.012 min

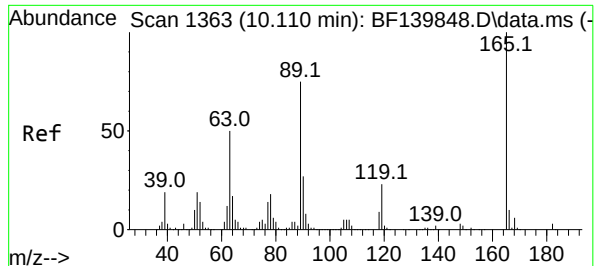
Lab File: BF140004.D

Acq: 24 Oct 2024 16:48

Tgt Ion:139 Resp: 307515

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 139 | 100   |       |       |
| 109 | 71.3  | 53.6  | 93.6  |
| 65  | 102.8 | 87.8  | 127.8 |

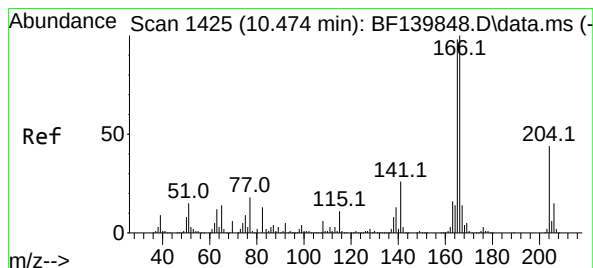
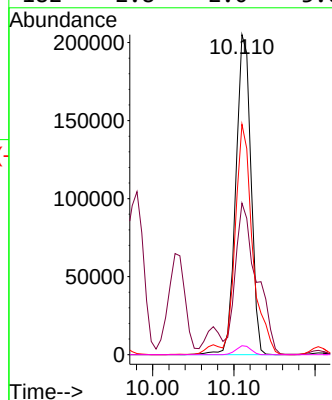
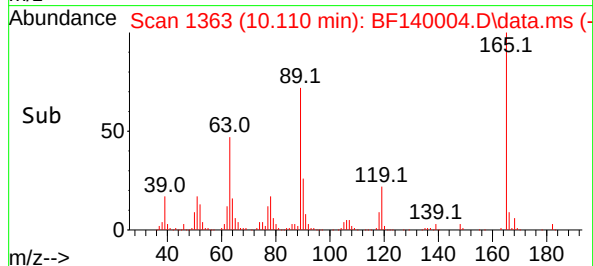
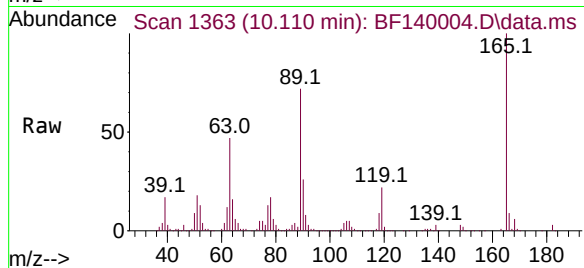




#57  
2,4-Dinitrotoluene  
Concen: 50.591 ng  
RT: 10.110 min Scan# 1363  
Delta R.T. 0.000 min  
Lab File: BF140004.D  
Acq: 24 Oct 2024 16:48

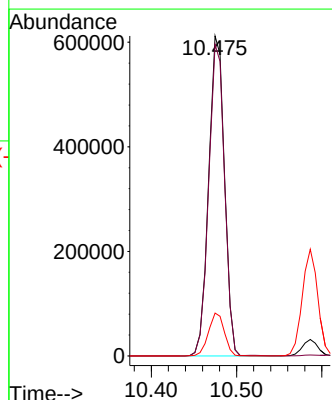
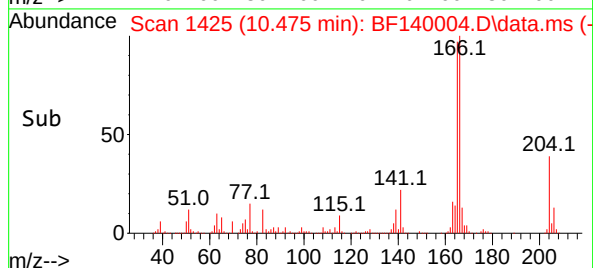
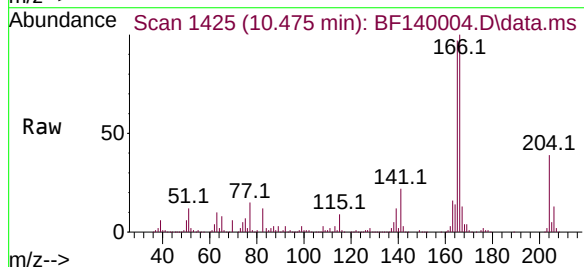
Instrument :  
BNA\_F  
ClientSampleId :  
TP-1MS

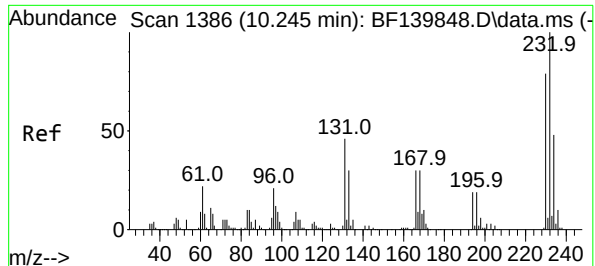
Tgt Ion:165 Resp: 264413  
Ion Ratio Lower Upper  
165 100  
63 47.4 40.1 60.1  
89 72.0 60.4 90.6  
182 2.8 2.0 3.0



#58  
Fluorene  
Concen: 43.727 ng  
RT: 10.475 min Scan# 1425  
Delta R.T. 0.000 min  
Lab File: BF140004.D  
Acq: 24 Oct 2024 16:48

Tgt Ion:166 Resp: 789620  
Ion Ratio Lower Upper  
166 100  
165 97.4 78.5 117.7  
167 13.4 10.9 16.3





#59

2,3,4,6-Tetrachlorophenol

Concen: 46.735 ng

RT: 10.251 min Scan# 1387

Delta R.T. 0.006 min

Lab File: BF140004.D

Acq: 24 Oct 2024 16:48

Instrument :

BNA\_F

ClientSampleId :

TP-1MS

Tgt Ion:232 Resp: 227526

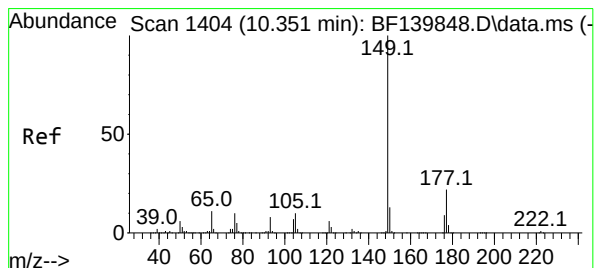
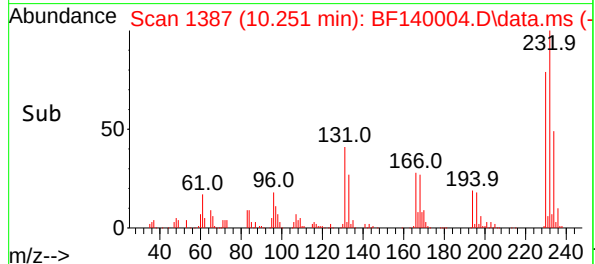
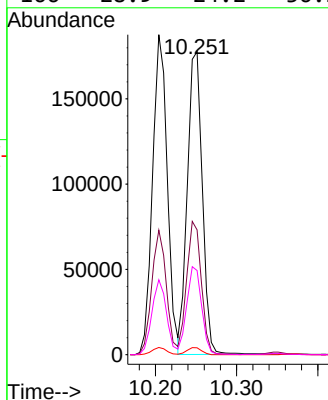
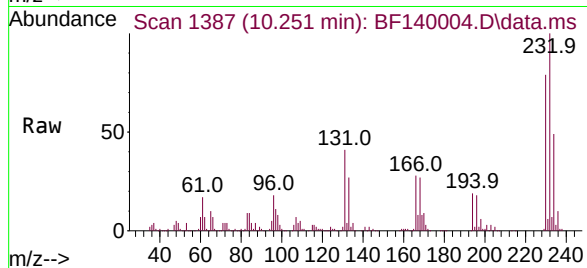
Ion Ratio Lower Upper

232 100

131 43.2 37.0 55.6

130 2.3 1.9 2.9

166 28.9 24.2 36.2



#60

Diethylphthalate

Concen: 44.811 ng

RT: 10.351 min Scan# 1404

Delta R.T. 0.000 min

Lab File: BF140004.D

Acq: 24 Oct 2024 16:48

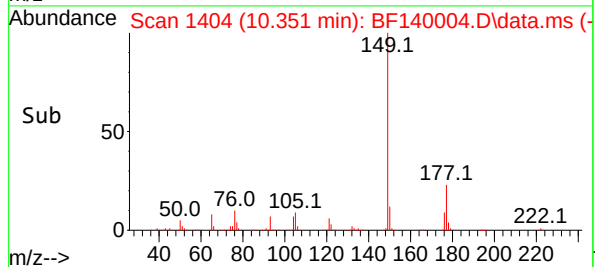
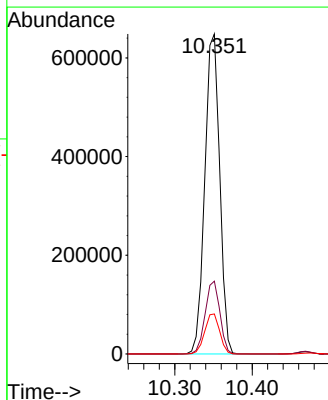
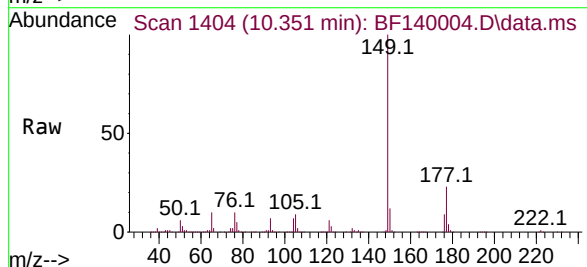
Tgt Ion:149 Resp: 863653

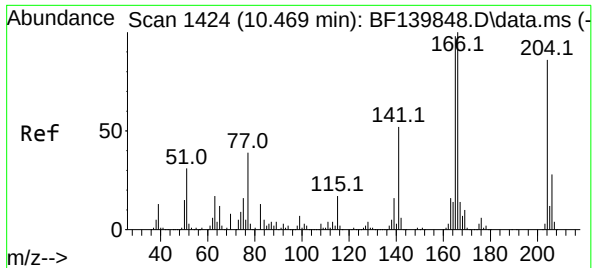
Ion Ratio Lower Upper

149 100

177 22.8 17.9 26.9

150 12.5 10.1 15.1

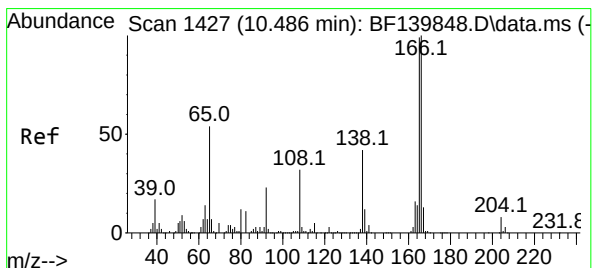
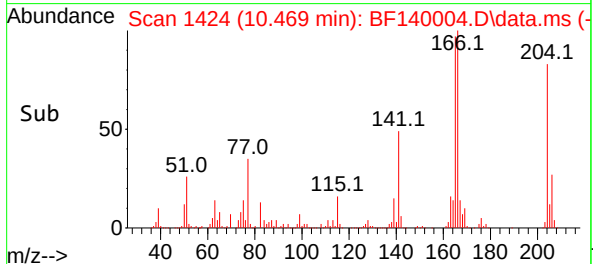
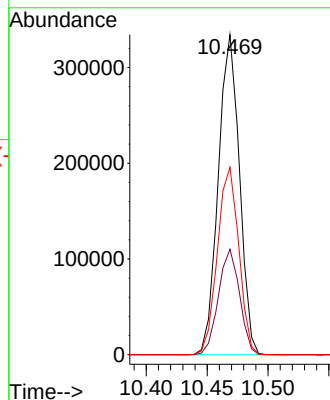
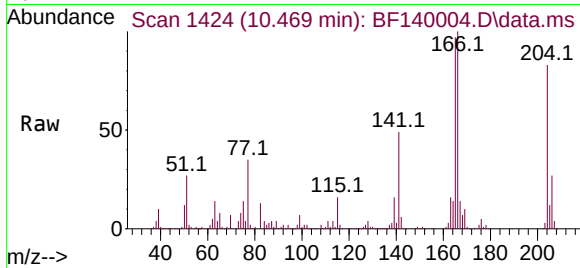




#61  
4-Chlorophenyl-phenylether  
Concen: 44.335 ng  
RT: 10.469 min Scan# 1424  
Delta R.T. 0.000 min  
Lab File: BF140004.D  
Acq: 24 Oct 2024 16:48

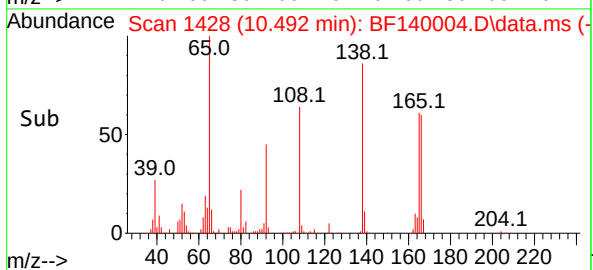
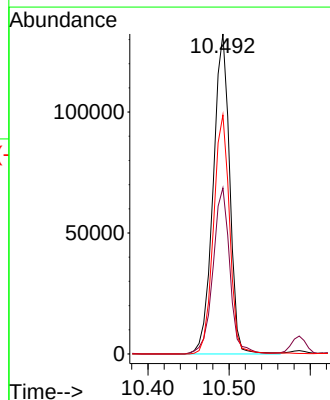
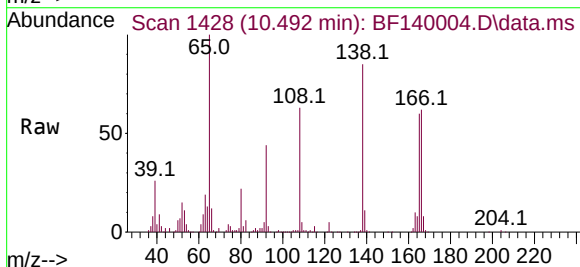
Instrument :  
BNA\_F  
ClientSampleId :  
TP-1MS

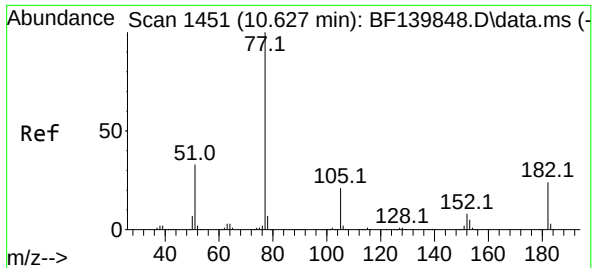
Tgt Ion:204 Resp: 404311  
Ion Ratio Lower Upper  
204 100  
206 32.9 26.3 39.5  
141 58.5 48.6 73.0



#62  
4-Nitroaniline  
Concen: 45.181 ng  
RT: 10.492 min Scan# 1428  
Delta R.T. 0.006 min  
Lab File: BF140004.D  
Acq: 24 Oct 2024 16:48

Tgt Ion:138 Resp: 187027  
Ion Ratio Lower Upper  
138 100  
92 51.9 35.7 75.7  
108 74.7 57.5 97.5

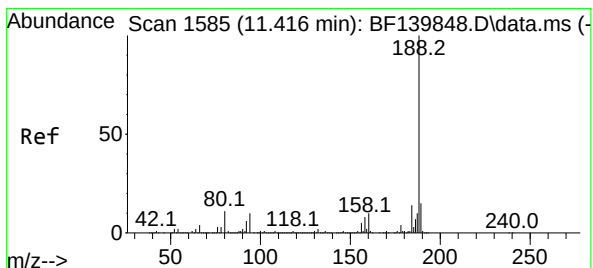
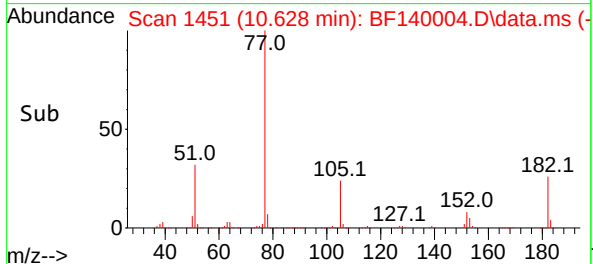
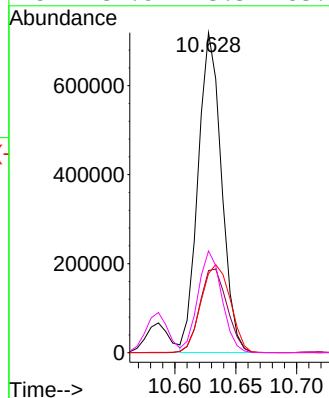
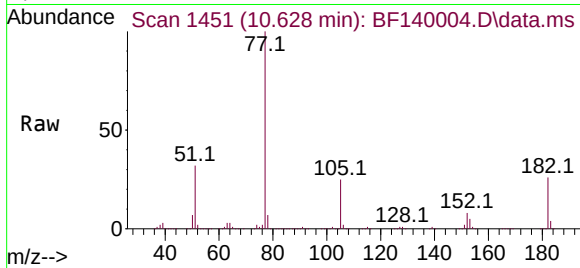




#63  
Azobenzene  
Concen: 46.996 ng  
RT: 10.628 min Scan# 1451  
Delta R.T. 0.000 min  
Lab File: BF140004.D  
Acq: 24 Oct 2024 16:48

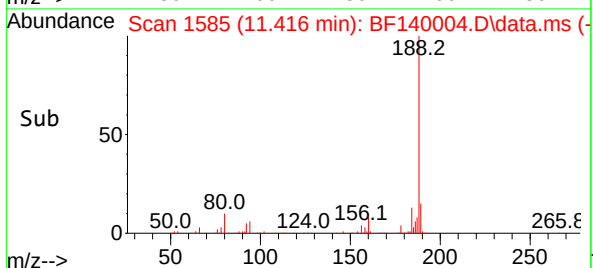
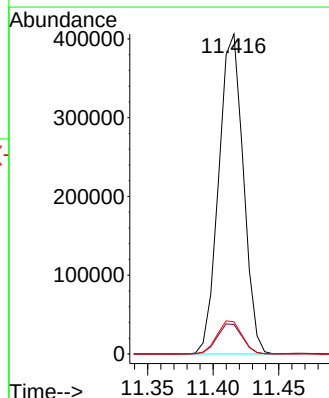
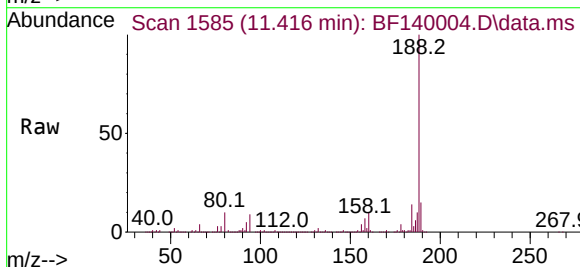
Instrument :  
BNA\_F  
ClientSampleId :  
TP-1MS

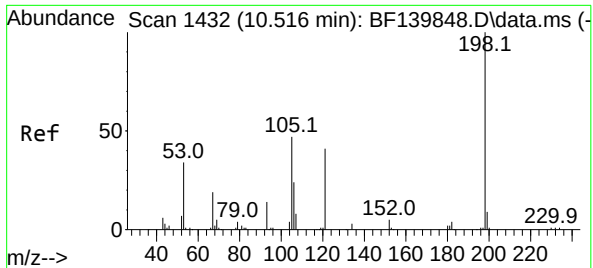
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 182     | 25.7  | 3.3   | 43.3  |
| 105     | 24.7  | 1.2   | 41.2  |
| 51      | 31.8  | 13.3  | 53.3  |



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.416 min Scan# 1585  
Delta R.T. 0.000 min  
Lab File: BF140004.D  
Acq: 24 Oct 2024 16:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 9.2   | 7.9   | 11.9  |
| 80      | 10.0  | 9.0   | 13.4  |

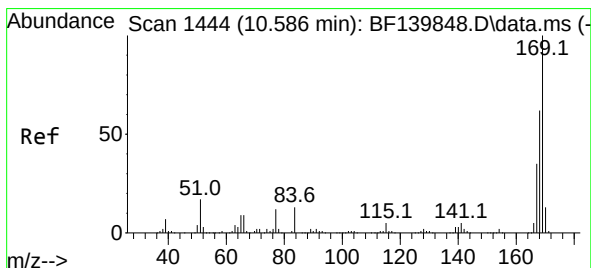
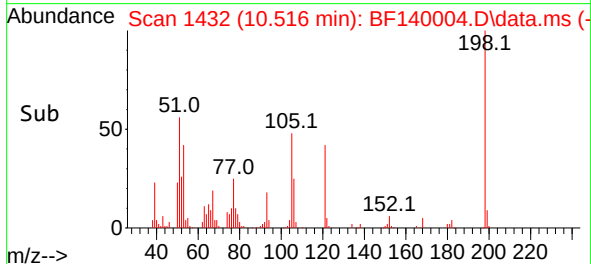
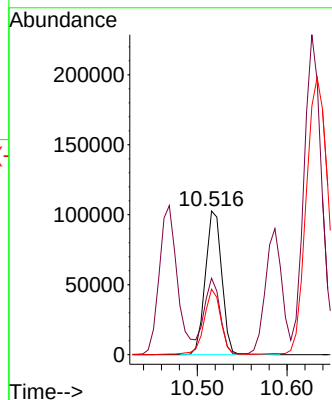
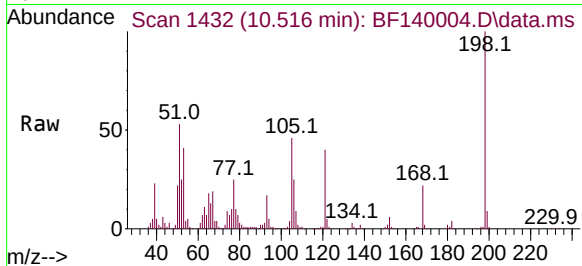




#65  
4,6-Dinitro-2-methylphenol  
Concen: 60.440 ng  
RT: 10.516 min Scan# 1432  
Delta R.T. -0.000 min  
Lab File: BF140004.D  
Acq: 24 Oct 2024 16:48

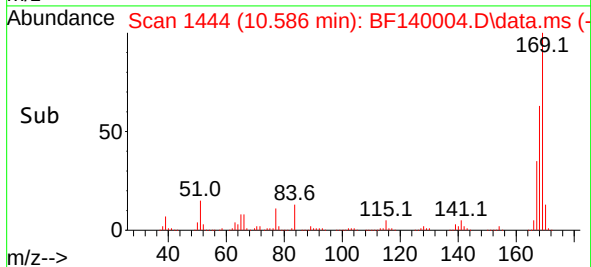
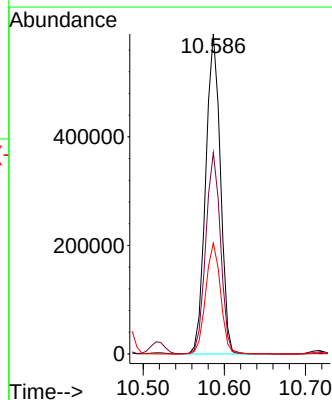
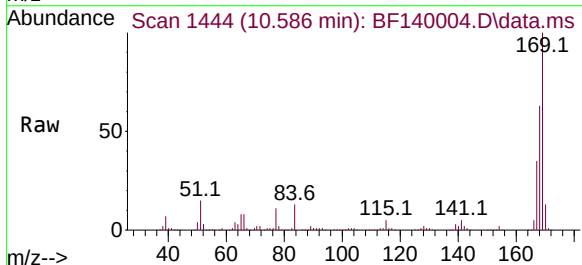
Instrument :  
BNA\_F  
ClientSampleId :  
TP-1MS

Tgt Ion:198 Resp: 130518  
Ion Ratio Lower Upper  
198 100  
51 53.3 38.2 78.2  
105 45.6 27.9 67.9

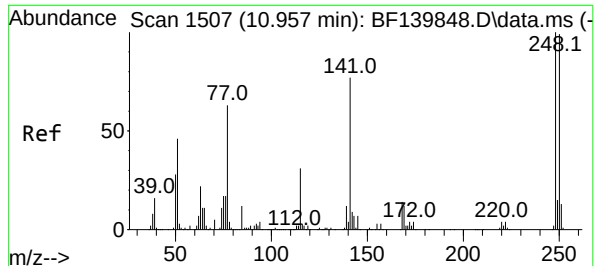


#66  
n-Nitrosodiphenylamine  
Concen: 46.602 ng  
RT: 10.586 min Scan# 1444  
Delta R.T. 0.000 min  
Lab File: BF140004.D  
Acq: 24 Oct 2024 16:48

Tgt Ion:169 Resp: 738410  
Ion Ratio Lower Upper  
169 100  
168 62.9 49.8 74.6  
167 34.6 28.0 42.0



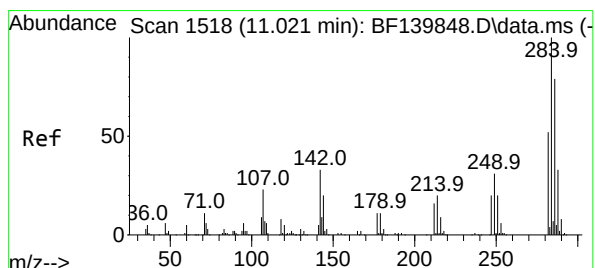
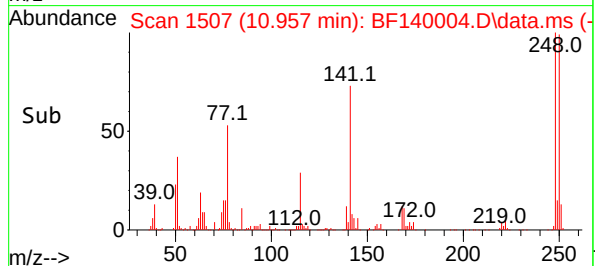
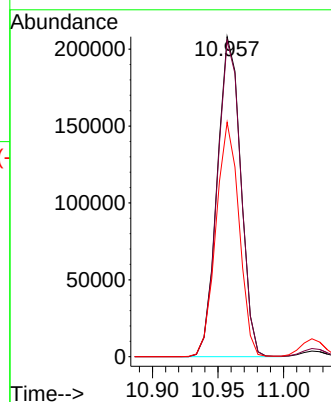
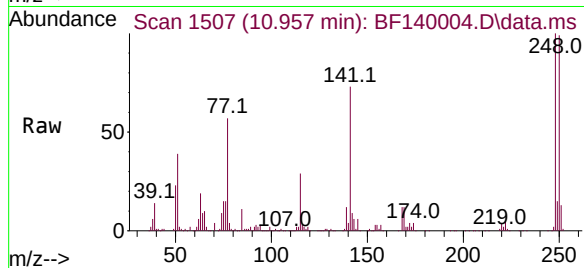




#67  
4-Bromophenyl-phenylether  
Concen: 47.518 ng  
RT: 10.957 min Scan# 1507  
Delta R.T. 0.000 min  
Lab File: BF140004.D  
Acq: 24 Oct 2024 16:48

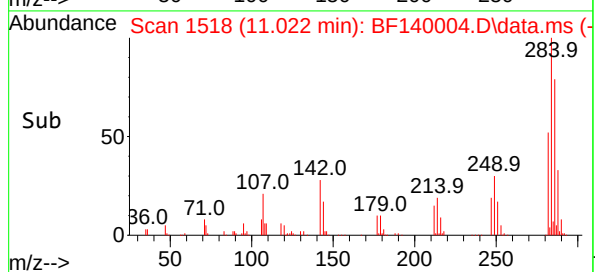
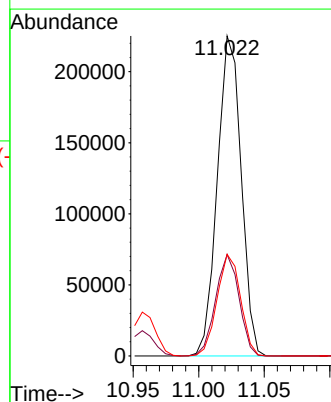
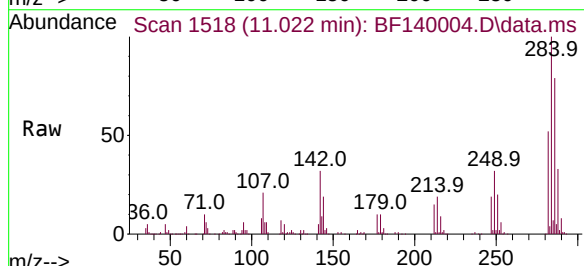
Instrument :  
BNA\_F  
ClientSampleId :  
TP-1MS

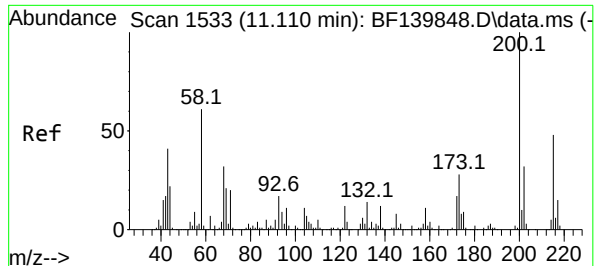
Tgt Ion:248 Resp: 259160  
Ion Ratio Lower Upper  
248 100  
250 98.8 79.0 118.6  
141 73.2 61.7 92.5



#68  
Hexachlorobenzene  
Concen: 46.377 ng  
RT: 11.022 min Scan# 1518  
Delta R.T. 0.000 min  
Lab File: BF140004.D  
Acq: 24 Oct 2024 16:48

Tgt Ion:284 Resp: 284470  
Ion Ratio Lower Upper  
284 100  
142 31.7 26.9 40.3  
249 31.7 25.3 37.9





#69

Atrazine

Concen: 55.446 ng

RT: 11.110 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF140004.D

Acq: 24 Oct 2024 16:48

Instrument :

BNA\_F

ClientSampleId :

TP-1MS

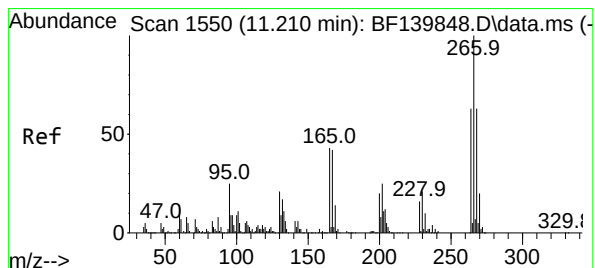
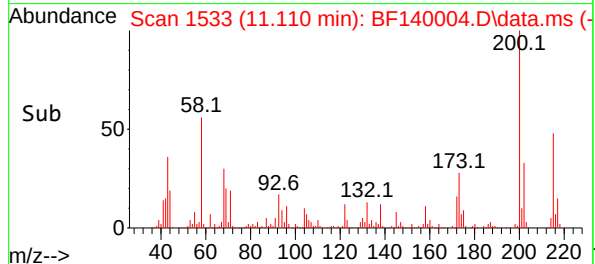
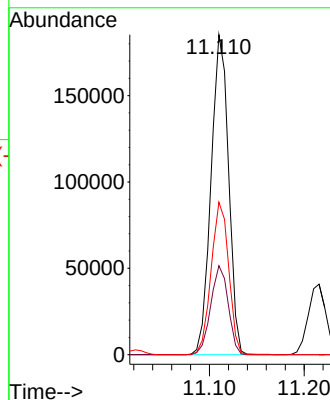
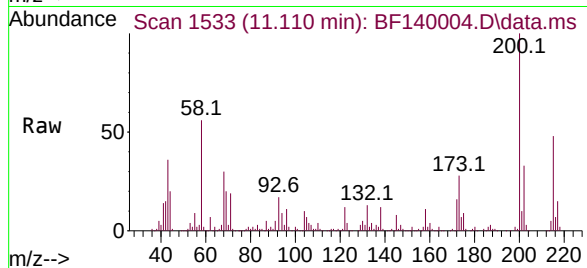
Tgt Ion:200 Resp: 237987

Ion Ratio Lower Upper

200 100

173 27.8 7.7 47.7

215 47.7 27.7 67.7



#70

Pentachlorophenol

Concen: 82.249 ng

RT: 11.216 min Scan# 1551

Delta R.T. 0.006 min

Lab File: BF140004.D

Acq: 24 Oct 2024 16:48

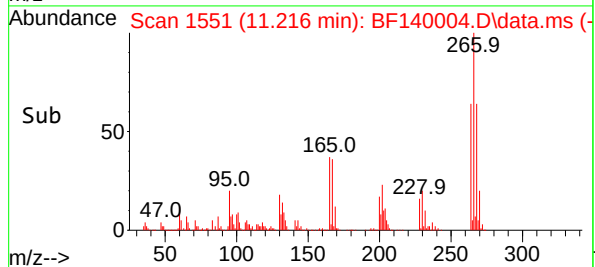
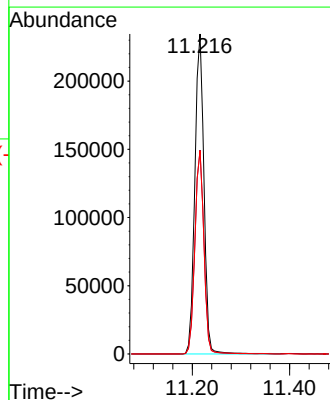
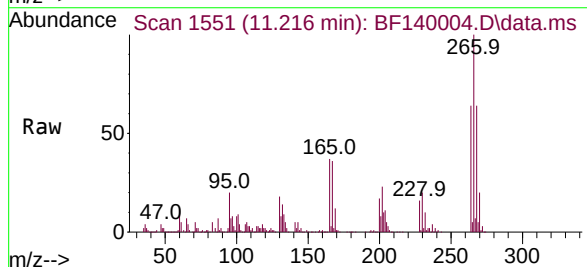
Tgt Ion:266 Resp: 306185

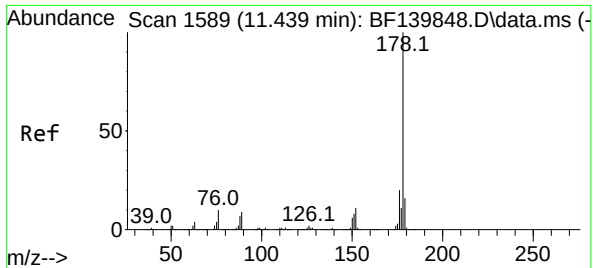
Ion Ratio Lower Upper

266 100

268 63.7 50.4 75.6

264 63.6 50.6 75.8

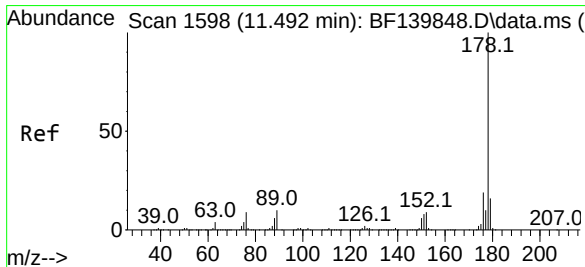
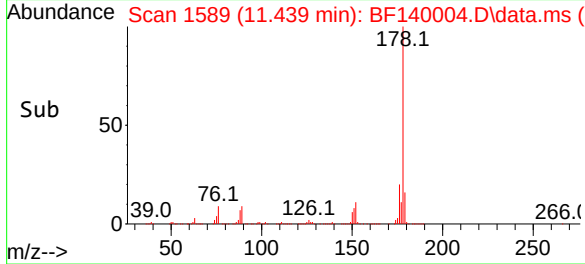
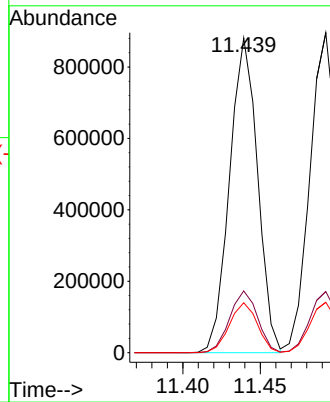
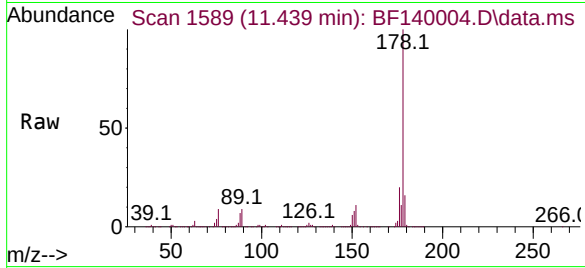




#71  
Phenanthrene  
Concen: 44.313 ng  
RT: 11.439 min Scan# 1589  
Delta R.T. 0.000 min  
Lab File: BF140004.D  
Acq: 24 Oct 2024 16:48

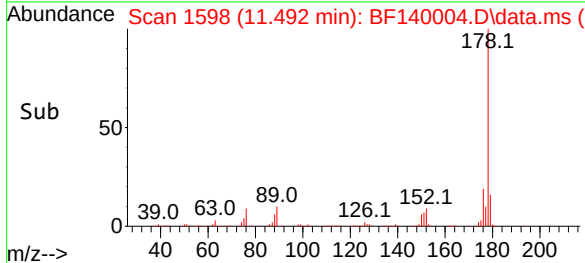
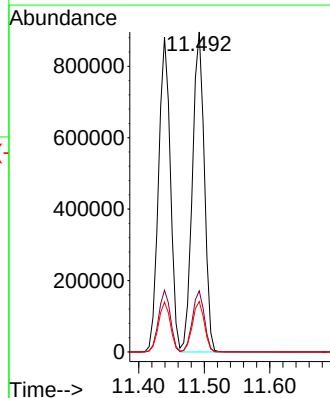
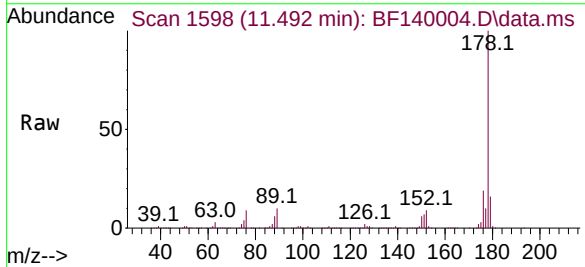
Instrument :  
BNA\_F  
ClientSampleId :  
TP-1MS

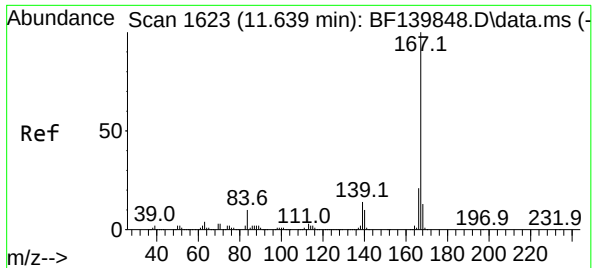
Tgt Ion:178 Resp: 1108145  
Ion Ratio Lower Upper  
178 100  
176 19.6 15.8 23.6  
179 15.9 12.6 18.8



#72  
Anthracene  
Concen: 46.341 ng  
RT: 11.492 min Scan# 1598  
Delta R.T. 0.000 min  
Lab File: BF140004.D  
Acq: 24 Oct 2024 16:48

Tgt Ion:178 Resp: 1130666  
Ion Ratio Lower Upper  
178 100  
176 19.1 15.3 22.9  
179 15.7 12.4 18.6

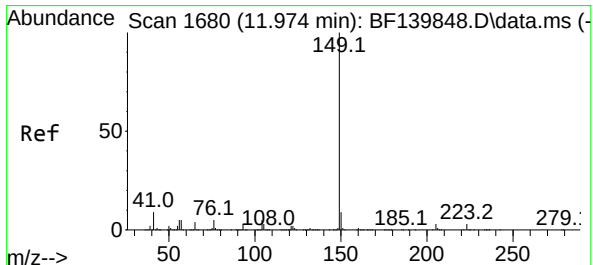
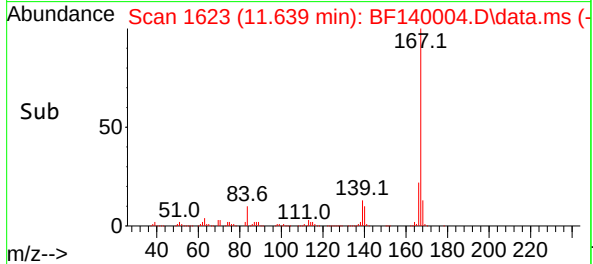
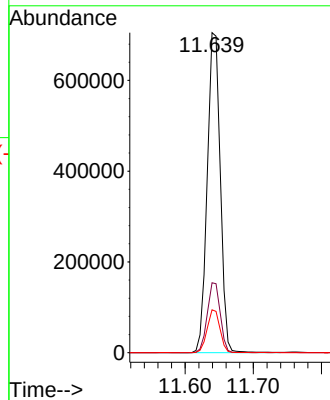
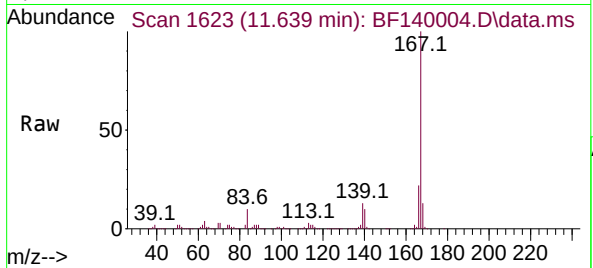




#73  
Carbazole  
Concen: 41.403 ng  
RT: 11.639 min Scan# 1623  
Delta R.T. 0.000 min  
Lab File: BF140004.D  
Acq: 24 Oct 2024 16:48

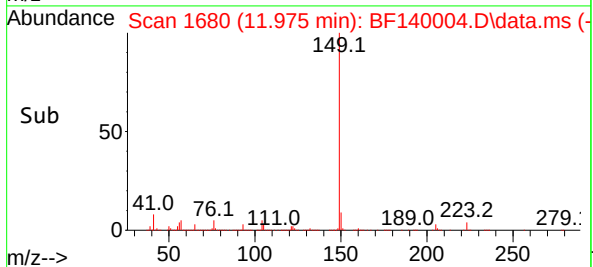
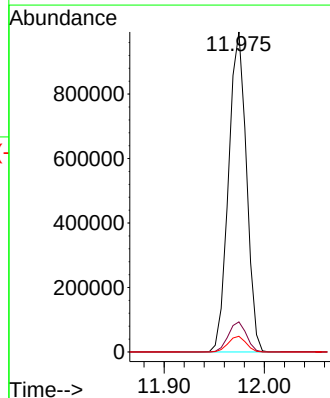
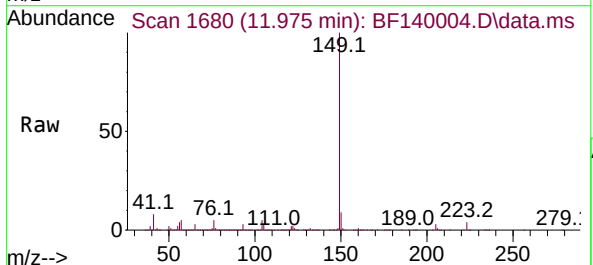
Instrument :  
BNA\_F  
ClientSampleId :  
TP-1MS

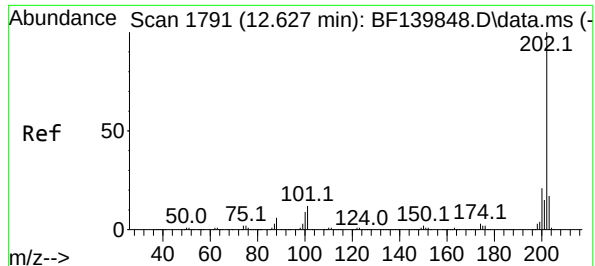
Tgt Ion:167 Resp: 939513  
Ion Ratio Lower Upper  
167 100  
166 21.9 17.0 25.6  
139 13.4 10.8 16.2



#74  
Di-n-butylphthalate  
Concen: 46.970 ng  
RT: 11.975 min Scan# 1680  
Delta R.T. 0.000 min  
Lab File: BF140004.D  
Acq: 24 Oct 2024 16:48

Tgt Ion:149 Resp: 1231382  
Ion Ratio Lower Upper  
149 100  
150 9.4 7.5 11.3  
104 4.9 4.1 6.1





#75

Fluoranthene

Concen: 39.171 ng

RT: 12.627 min Scan# 1791

Delta R.T. 0.000 min

Lab File: BF140004.D

Acq: 24 Oct 2024 16:48

Instrument :

BNA\_F

ClientSampleId :

TP-1MS

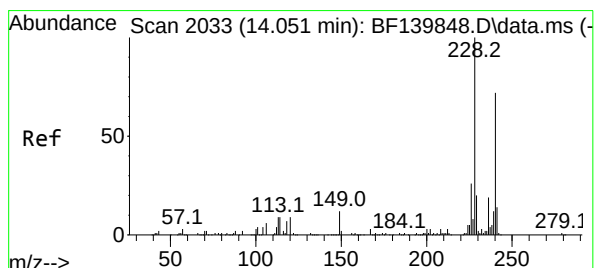
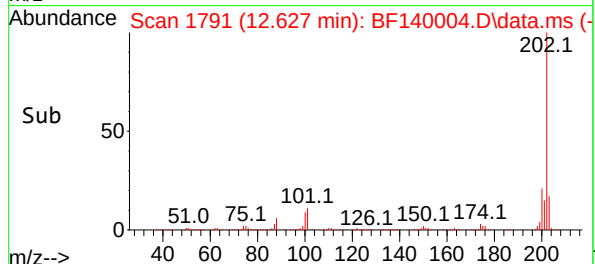
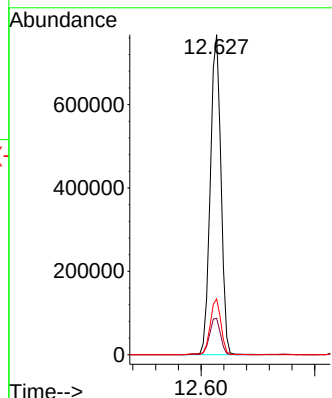
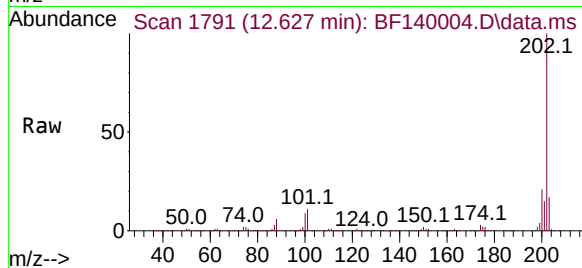
Tgt Ion:202 Resp: 990260

Ion Ratio Lower Upper

202 100

101 11.4 0.0 31.9

203 17.4 0.0 37.5



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.051 min Scan# 2033

Delta R.T. 0.000 min

Lab File: BF140004.D

Acq: 24 Oct 2024 16:48

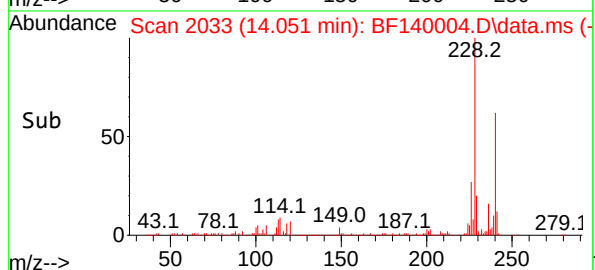
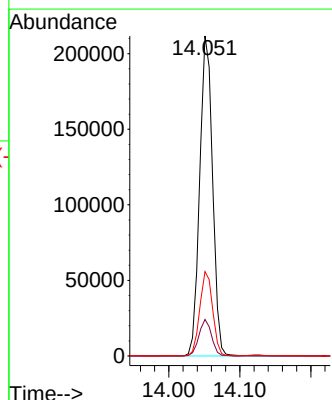
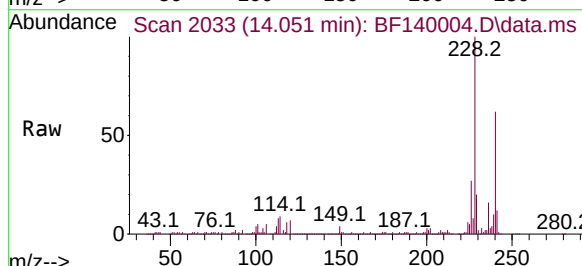
Tgt Ion:240 Resp: 267551

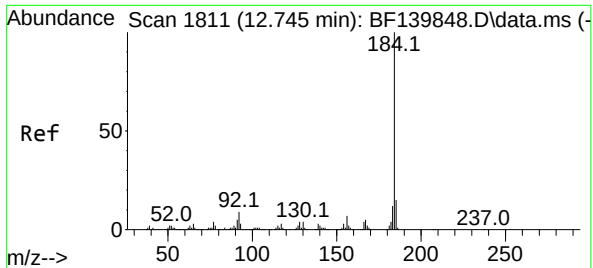
Ion Ratio Lower Upper

240 100

120 11.4 9.4 14.2

236 26.4 20.9 31.3

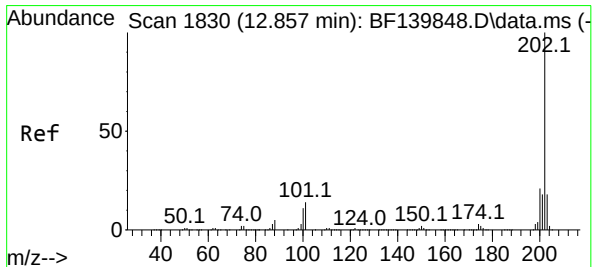
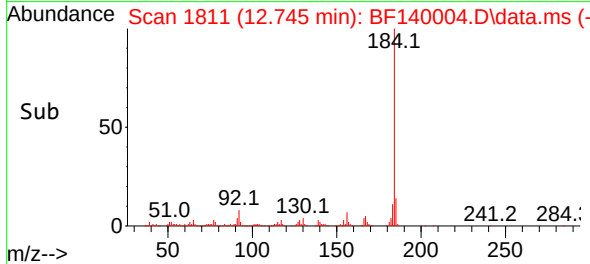
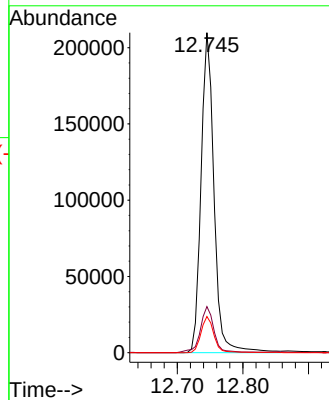
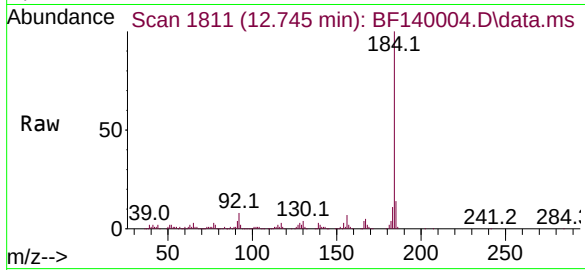




#77  
Benzidine  
Concen: 65.765 ng  
RT: 12.745 min Scan# 1811  
Delta R.T. 0.000 min  
Lab File: BF140004.D  
Acq: 24 Oct 2024 16:48

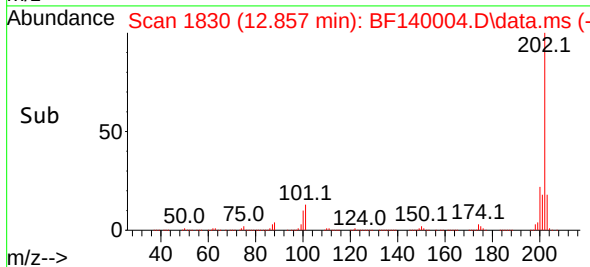
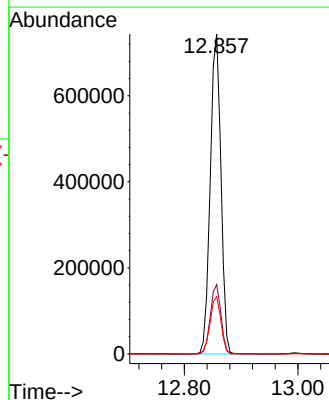
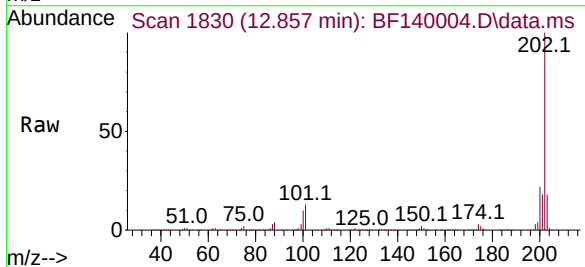
Instrument :  
BNA\_F  
ClientSampleId :  
TP-1MS

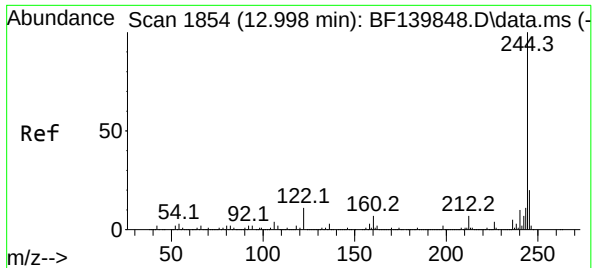
Tgt Ion:184 Resp: 289331  
Ion Ratio Lower Upper  
184 100  
185 14.4 12.0 18.0  
183 11.3 9.4 14.2



#78  
Pyrene  
Concen: 41.081 ng  
RT: 12.857 min Scan# 1830  
Delta R.T. 0.000 min  
Lab File: BF140004.D  
Acq: 24 Oct 2024 16:48

Tgt Ion:202 Resp: 962093  
Ion Ratio Lower Upper  
202 100  
200 21.6 17.2 25.8  
203 17.9 14.2 21.4

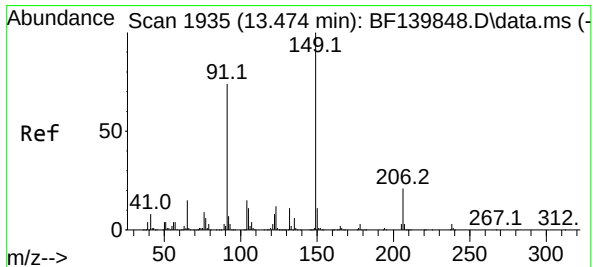
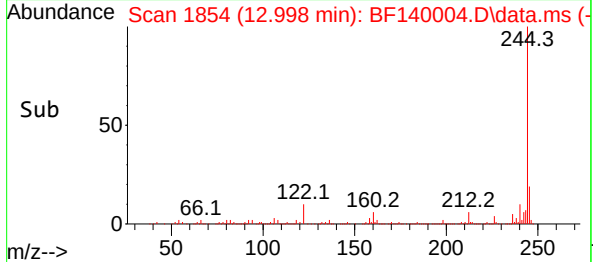
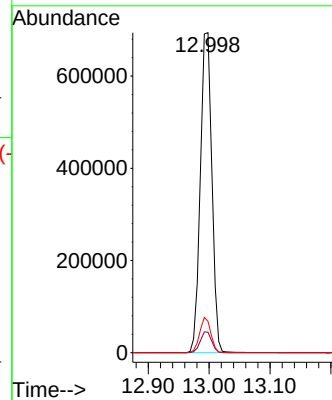
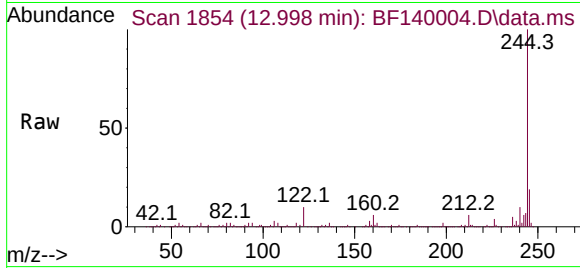




#79  
Terphenyl-d14  
Concen: 55.745 ng  
RT: 12.998 min Scan# 1854  
Delta R.T. 0.000 min  
Lab File: BF140004.D  
Acq: 24 Oct 2024 16:48

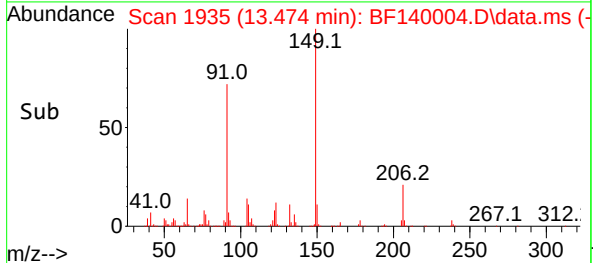
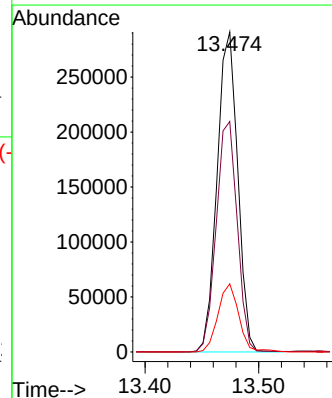
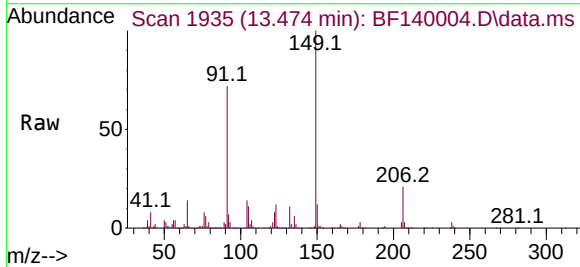
Instrument :  
BNA\_F  
ClientSampleId :  
TP-1MS

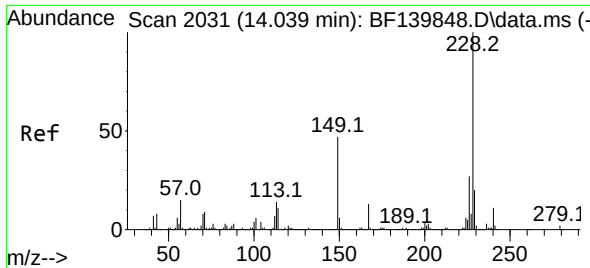
Tgt Ion:244 Resp: 915305  
Ion Ratio Lower Upper  
244 100  
212 6.4 5.7 8.5  
122 9.8 8.6 13.0



#80  
Butylbenzylphthalate  
Concen: 52.390 ng  
RT: 13.474 min Scan# 1935  
Delta R.T. 0.000 min  
Lab File: BF140004.D  
Acq: 24 Oct 2024 16:48

Tgt Ion:149 Resp: 367843  
Ion Ratio Lower Upper  
149 100  
91 72.0 59.4 89.2  
206 21.3 16.4 24.6

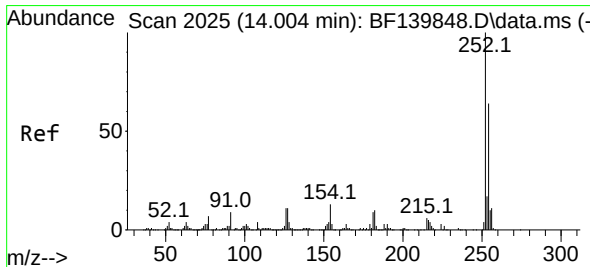
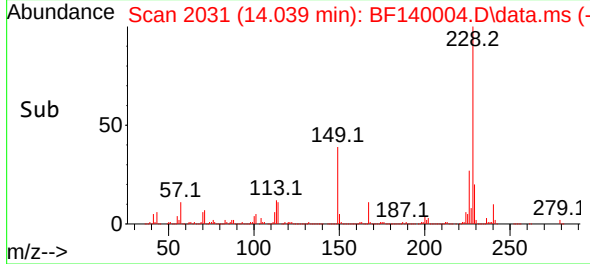
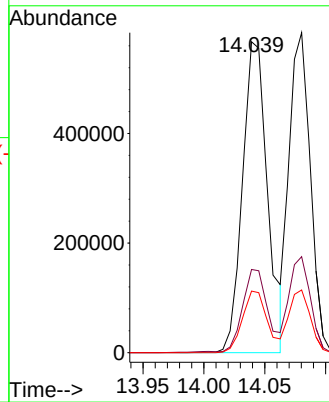
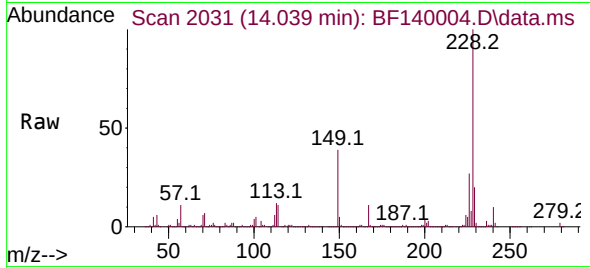




#81  
Benzo(a)anthracene  
Concen: 46.698 ng  
RT: 14.039 min Scan# 2031  
Delta R.T. 0.000 min  
Lab File: BF140004.D  
Acq: 24 Oct 2024 16:48

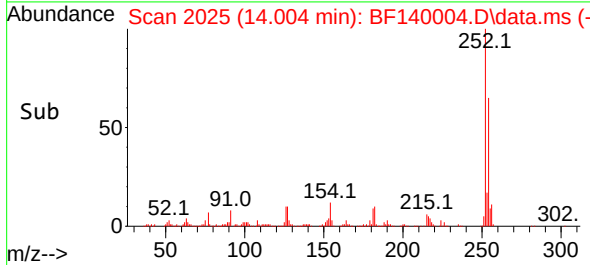
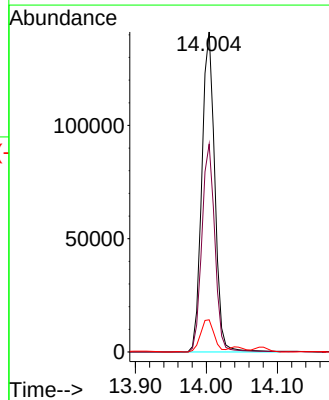
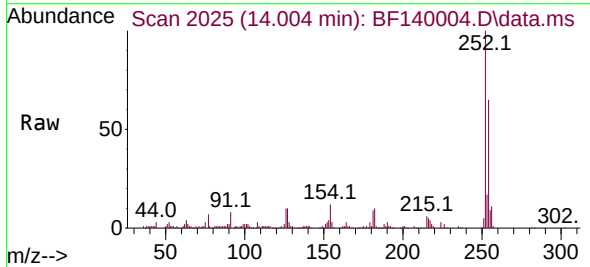
Instrument :  
BNA\_F  
ClientSampleId :  
TP-1MS

Tgt Ion:228 Resp: 813331  
Ion Ratio Lower Upper  
228 100  
226 26.7 21.6 32.4  
229 19.8 16.1 24.1

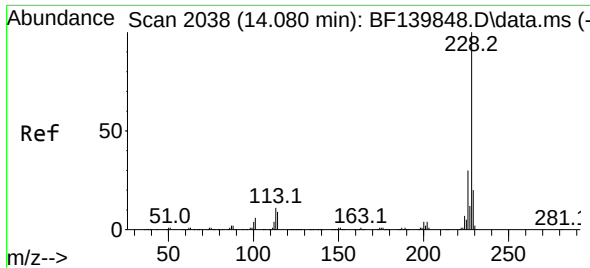


#82  
3,3'-Dichlorobenzidine  
Concen: 35.396 ng  
RT: 14.004 min Scan# 2025  
Delta R.T. 0.000 min  
Lab File: BF140004.D  
Acq: 24 Oct 2024 16:48

Tgt Ion:252 Resp: 179744  
Ion Ratio Lower Upper  
252 100  
254 64.9 50.8 76.2  
126 10.1 8.9 13.3



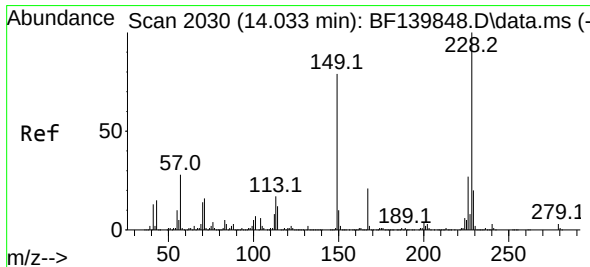
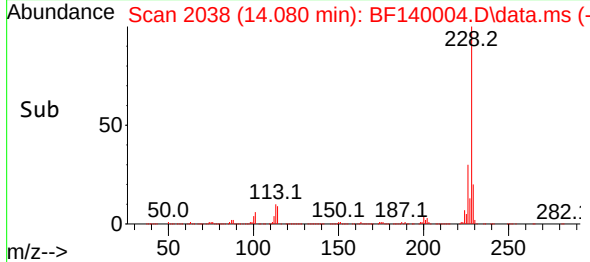
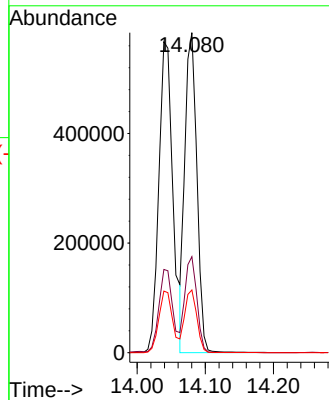
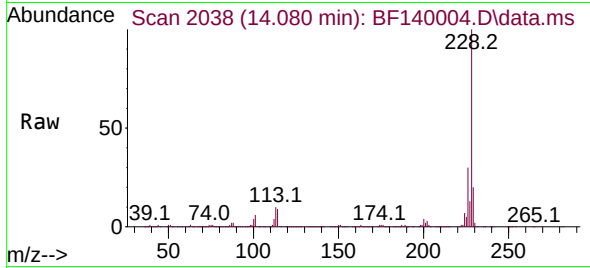




#83  
Chrysene  
Concen: 44.351 ng  
RT: 14.080 min Scan# 2038  
Delta R.T. 0.000 min  
Lab File: BF140004.D  
Acq: 24 Oct 2024 16:48

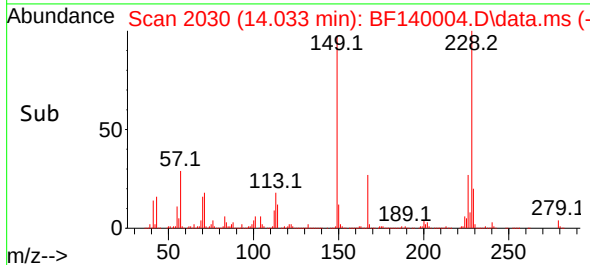
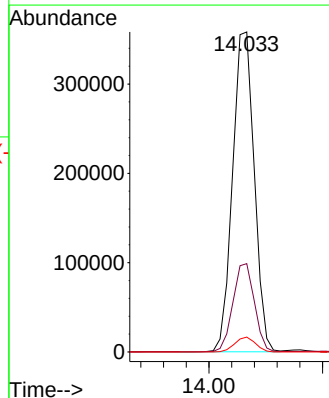
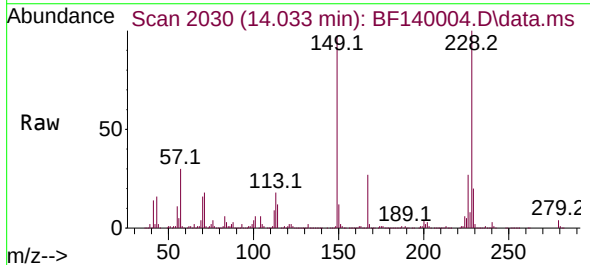
Instrument :  
BNA\_F  
ClientSampleId :  
TP-1MS

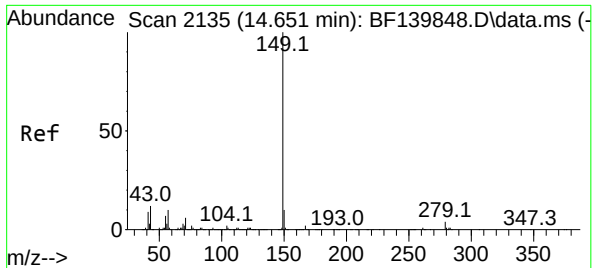
Tgt Ion:228 Resp: 708241  
Ion Ratio Lower Upper  
228 100  
226 30.0 24.1 36.1  
229 19.6 15.8 23.6



#84  
Bis(2-ethylhexyl)phthalate  
Concen: 60.075 ng  
RT: 14.033 min Scan# 2030  
Delta R.T. 0.000 min  
Lab File: BF140004.D  
Acq: 24 Oct 2024 16:48

Tgt Ion:149 Resp: 473241  
Ion Ratio Lower Upper  
149 100  
167 27.6 21.4 32.0  
279 4.6 3.0 4.4#

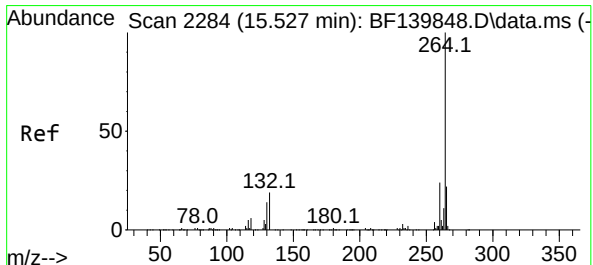
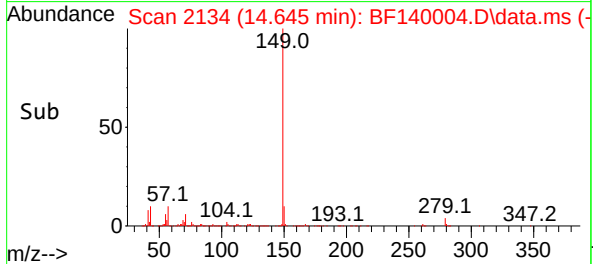
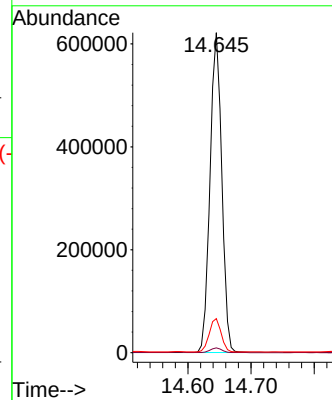
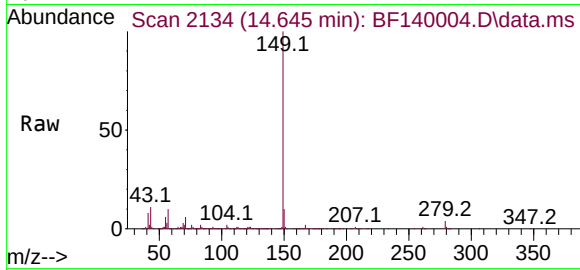




#85  
Di-n-octyl phthalate  
Concen: 56.185 ng  
RT: 14.645 min Scan# 2135  
Delta R.T. -0.006 min  
Lab File: BF140004.D  
Acq: 24 Oct 2024 16:48

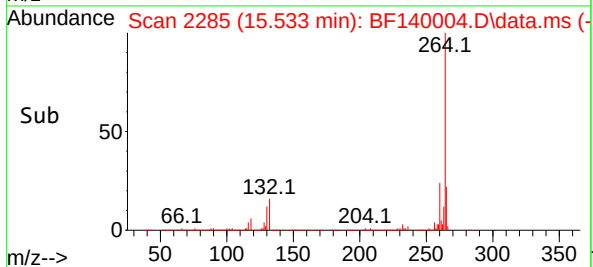
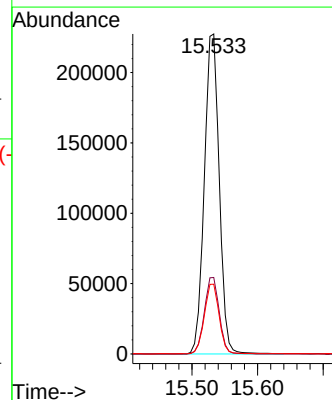
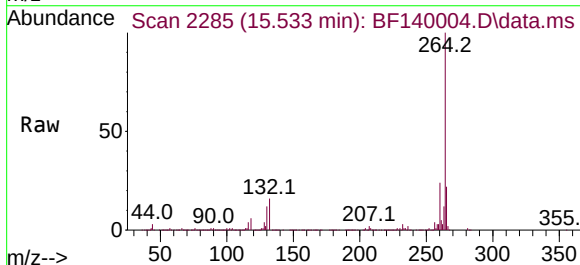
Instrument :  
BNA\_F  
ClientSampleId :  
TP-1MS

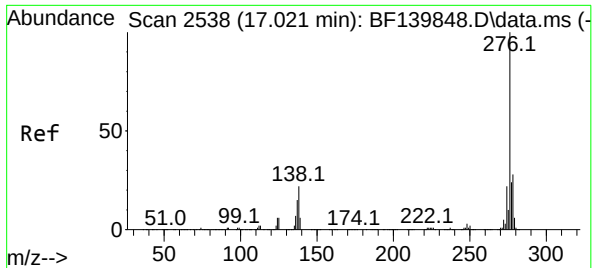
Tgt Ion:149 Resp: 805035  
Ion Ratio Lower Upper  
149 100  
167 1.6 1.2 1.8  
43 10.5 9.8 14.6



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.533 min Scan# 2285  
Delta R.T. 0.006 min  
Lab File: BF140004.D  
Acq: 24 Oct 2024 16:48

Tgt Ion:264 Resp: 360724  
Ion Ratio Lower Upper  
264 100  
260 23.9 19.4 29.2  
265 21.8 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 45.512 ng

RT: 17.033 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF140004.D

Acq: 24 Oct 2024 16:48

Instrument :

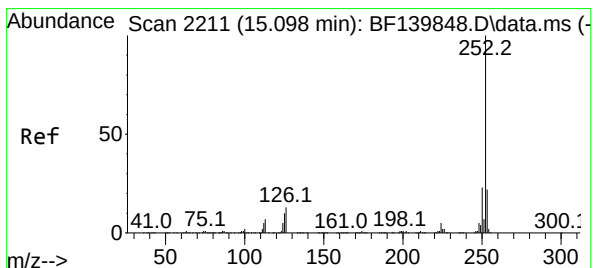
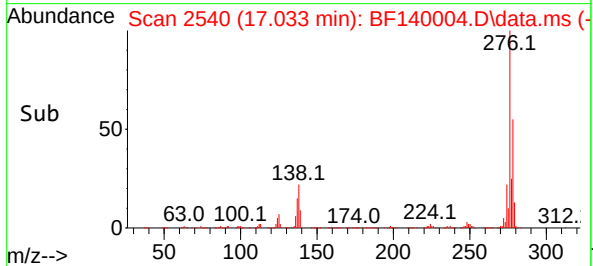
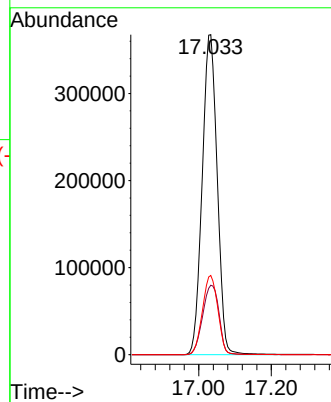
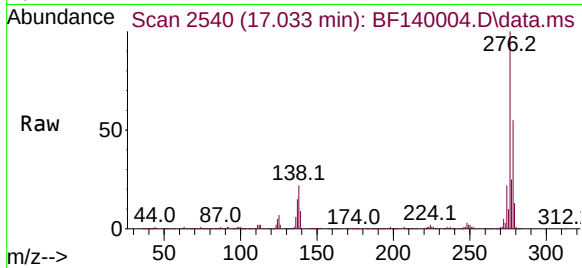
BNA\_F

ClientSampleId :

TP-1MS

Tgt Ion:276 Resp: 1056164

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 276 | 100   |       |       |
| 138 | 23.8  | 20.4  | 30.6  |
| 277 | 25.4  | 20.2  | 30.4  |



#88

Benzo(b)fluoranthene

Concen: 40.010 ng

RT: 15.098 min Scan# 2211

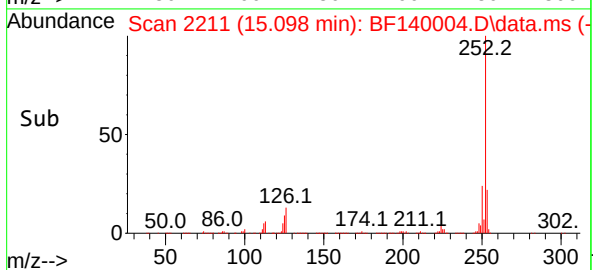
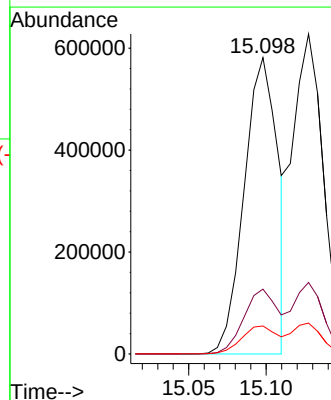
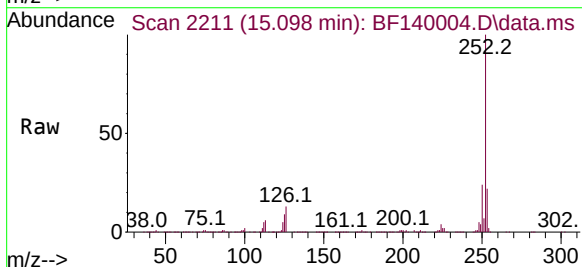
Delta R.T. 0.000 min

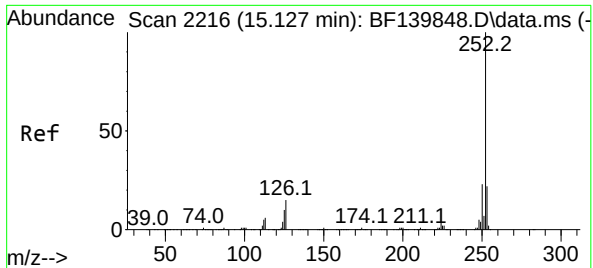
Lab File: BF140004.D

Acq: 24 Oct 2024 16:48

Tgt Ion:252 Resp: 879161

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 21.9  | 17.6  | 26.4  |
| 125 | 9.5   | 7.9   | 11.9  |





#89

Benzo(k)fluoranthene

Concen: 45.651 ng

RT: 15.127 min Scan# 2216

Delta R.T. 0.000 min

Lab File: BF140004.D

Acq: 24 Oct 2024 16:48

Instrument :

BNA\_F

ClientSampleId :

TP-1MS

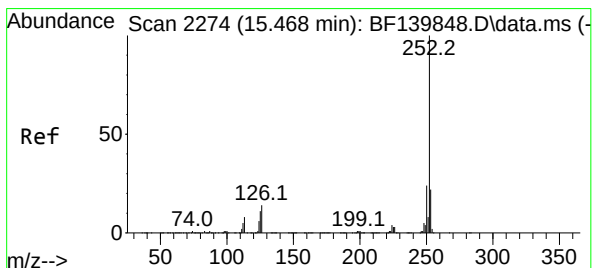
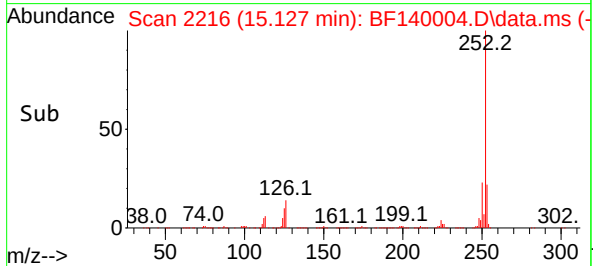
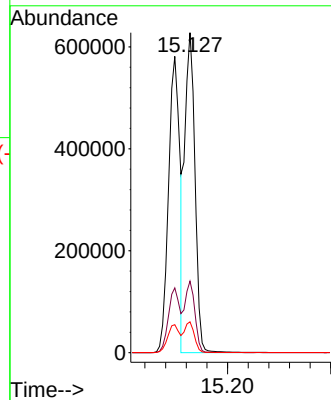
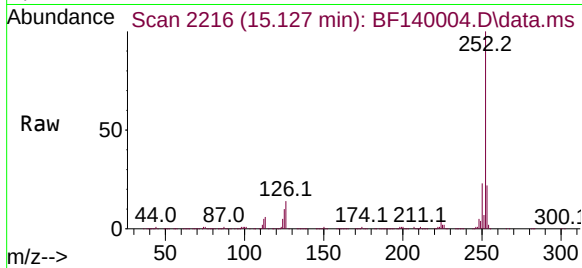
Tgt Ion:252 Resp: 865105

Ion Ratio Lower Upper

252 100

253 22.3 17.6 26.4

125 9.7 7.9 11.9



#90

Benzo(a)pyrene

Concen: 48.058 ng

RT: 15.468 min Scan# 2274

Delta R.T. 0.000 min

Lab File: BF140004.D

Acq: 24 Oct 2024 16:48

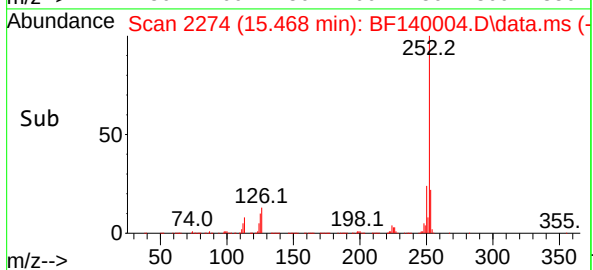
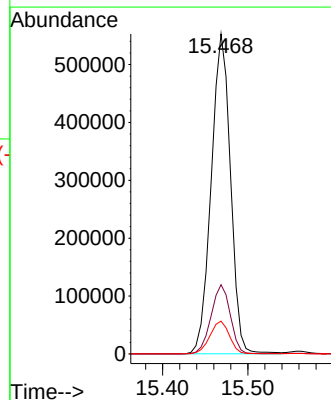
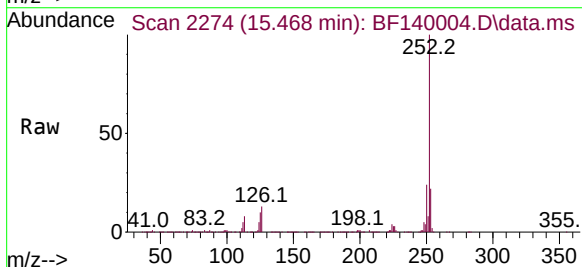
Tgt Ion:252 Resp: 868929

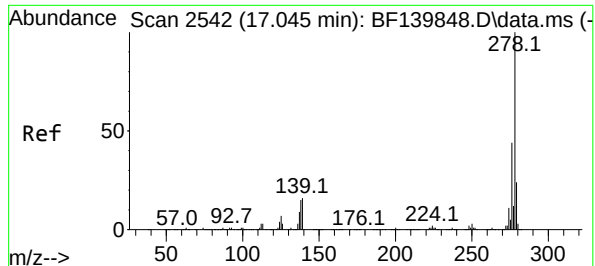
Ion Ratio Lower Upper

252 100

253 21.6 17.3 25.9

125 10.2 8.7 13.1





#91

Dibenzo(a,h)anthracene

Concen: 45.323 ng

RT: 17.051 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF140004.D

Acq: 24 Oct 2024 16:48

Instrument :

BNA\_F

ClientSampleId :

TP-1MS

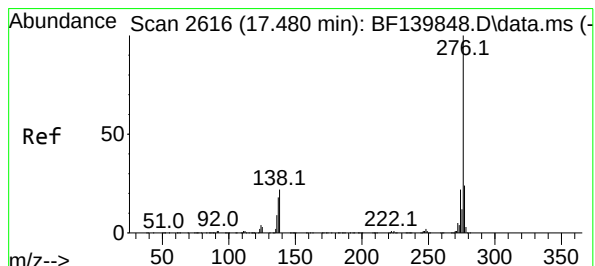
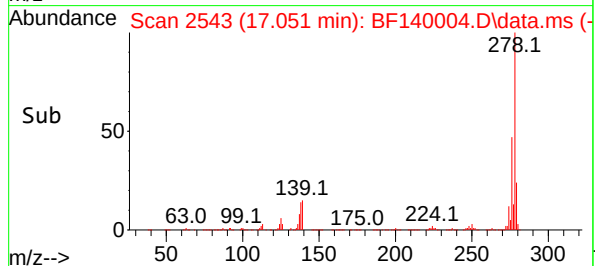
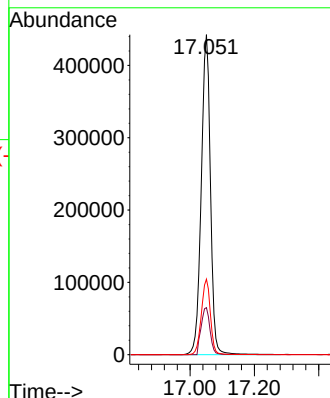
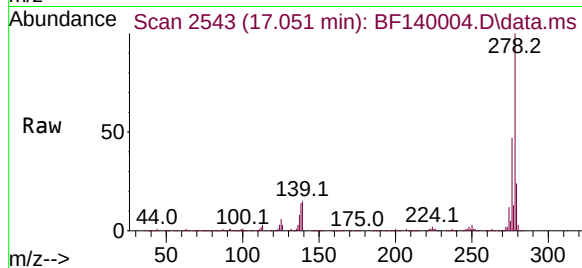
Tgt Ion:278 Resp: 877416

Ion Ratio Lower Upper

278 100

139 14.7 13.1 19.7

279 23.6 19.0 28.4



#92

Benzo(g,h,i)perylene

Concen: 39.301 ng

RT: 17.480 min Scan# 2616

Delta R.T. 0.000 min

Lab File: BF140004.D

Acq: 24 Oct 2024 16:48

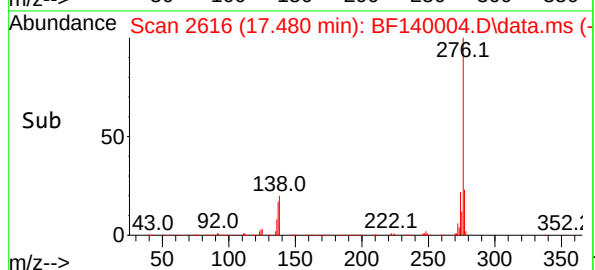
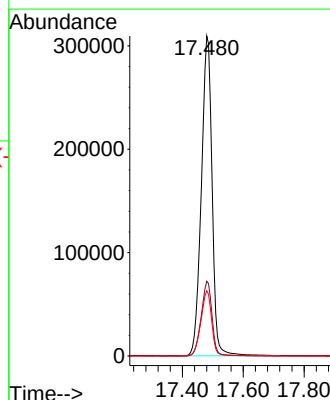
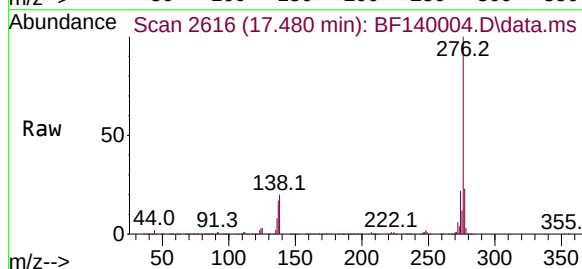
Tgt Ion:276 Resp: 759976

Ion Ratio Lower Upper

276 100

277 23.3 19.0 28.6

138 20.4 17.4 26.0



## Report of Analysis

|                    |                              |                 |                              |
|--------------------|------------------------------|-----------------|------------------------------|
| Client:            | Portal Partners Tri-Venture  | Date Collected: | 10/21/24                     |
| Project:           | Amtrak Sawtooth Bridges 2024 | Date Received:  | 10/21/24                     |
| Client Sample ID:  | TP-1MSD                      | SDG No.:        | P4471                        |
| Lab Sample ID:     | P4467-01MSD                  | Matrix:         | SOIL                         |
| Analytical Method: | SW8270                       | % Solid:        | 90.7                         |
| Sample Wt/Vol:     | 50.06      Units:    g       | Final Vol:      | 1000                      uL |
| Soil Aliquot Vol:  | uL                           | Test:           | SVOC-TCL BNA -20             |
| Extraction Type :  | Decanted :      N            | Level :         | LOW                          |
| Injection Volume : | GPC Factor :    1.0          | GPC Cleanup :   | N                      PH :  |
| Prep Method :      | SW3541                       |                 |                              |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BF140005.D        | 1         | 10/22/24 10:44 | 10/24/24 17:17 | PB164312      |

| CAS Number     | Parameter                   | Conc. | Qualifier | MDL  | LOQ / CRQL | Units(Dry Weight) |
|----------------|-----------------------------|-------|-----------|------|------------|-------------------|
| <b>TARGETS</b> |                             |       |           |      |            |                   |
| 100-52-7       | Benzaldehyde                | 340   |           | 120  | 220        | ug/Kg             |
| 108-95-2       | Phenol                      | 1100  |           | 54.8 | 110        | ug/Kg             |
| 111-44-4       | bis(2-Chloroethyl)ether     | 1100  |           | 55.3 | 110        | ug/Kg             |
| 95-57-8        | 2-Chlorophenol              | 1100  |           | 55.2 | 110        | ug/Kg             |
| 95-48-7        | 2-Methylphenol              | 1100  |           | 53.3 | 110        | ug/Kg             |
| 108-60-1       | 2,2-oxybis(1-Chloropropane) | 1000  |           | 60.1 | 110        | ug/Kg             |
| 98-86-2        | Acetophenone                | 1100  |           | 57.4 | 110        | ug/Kg             |
| 65794-96-9     | 3+4-Methylphenols           | 1100  |           | 52.7 | 220        | ug/Kg             |
| 621-64-7       | n-Nitroso-di-n-propylamine  | 1100  |           | 26.6 | 52.9       | ug/Kg             |
| 67-72-1        | Hexachloroethane            | 1100  |           | 54.8 | 110        | ug/Kg             |
| 98-95-3        | Nitrobenzene                | 1100  |           | 60.0 | 110        | ug/Kg             |
| 78-59-1        | Isophorone                  | 1100  |           | 55.9 | 110        | ug/Kg             |
| 88-75-5        | 2-Nitrophenol               | 1400  |           | 62.4 | 110        | ug/Kg             |
| 105-67-9       | 2,4-Dimethylphenol          | 1300  |           | 61.6 | 110        | ug/Kg             |
| 111-91-1       | bis(2-Chloroethoxy)methane  | 1100  |           | 56.7 | 110        | ug/Kg             |
| 120-83-2       | 2,4-Dichlorophenol          | 1100  |           | 49.9 | 110        | ug/Kg             |
| 91-20-3        | Naphthalene                 | 1100  |           | 54.6 | 110        | ug/Kg             |
| 106-47-8       | 4-Chloroaniline             | 390   |           | 54.6 | 110        | ug/Kg             |
| 87-68-3        | Hexachlorobutadiene         | 1100  |           | 55.0 | 110        | ug/Kg             |
| 105-60-2       | Caprolactam                 | 1100  |           | 57.4 | 220        | ug/Kg             |
| 59-50-7        | 4-Chloro-3-methylphenol     | 1100  |           | 51.2 | 110        | ug/Kg             |
| 91-57-6        | 2-Methylnaphthalene         | 1100  |           | 54.5 | 110        | ug/Kg             |
| 77-47-4        | Hexachlorocyclopentadiene   | 4000  | E         | 100  | 220        | ug/Kg             |
| 88-06-2        | 2,4,6-Trichlorophenol       | 1200  |           | 47.2 | 110        | ug/Kg             |
| 95-95-4        | 2,4,5-Trichlorophenol       | 1100  |           | 48.9 | 110        | ug/Kg             |
| 92-52-4        | 1,1-Biphenyl                | 1100  |           | 57.7 | 110        | ug/Kg             |
| 91-58-7        | 2-Chloronaphthalene         | 1100  |           | 55.0 | 110        | ug/Kg             |
| 88-74-4        | 2-Nitroaniline              | 1200  |           | 62.8 | 110        | ug/Kg             |
| 131-11-3       | Dimethylphthalate           | 1200  |           | 54.0 | 110        | ug/Kg             |

## Report of Analysis

|                    |                              |                 |                              |
|--------------------|------------------------------|-----------------|------------------------------|
| Client:            | Portal Partners Tri-Venture  | Date Collected: | 10/21/24                     |
| Project:           | Amtrak Sawtooth Bridges 2024 | Date Received:  | 10/21/24                     |
| Client Sample ID:  | TP-1MSD                      | SDG No.:        | P4471                        |
| Lab Sample ID:     | P4467-01MSD                  | Matrix:         | SOIL                         |
| Analytical Method: | SW8270                       | % Solid:        | 90.7                         |
| Sample Wt/Vol:     | 50.06      Units:    g       | Final Vol:      | 1000                      uL |
| Soil Aliquot Vol:  | uL                           | Test:           | SVOC-TCL BNA -20             |
| Extraction Type :  | Decanted :      N            | Level :         | LOW                          |
| Injection Volume : | GPC Factor :    1.0          | GPC Cleanup :   | N                      PH :  |
| Prep Method :      | SW3541                       |                 |                              |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BF140005.D        | 1         | 10/22/24 10:44 | 10/24/24 17:17 | PB164312      |

| CAS Number | Parameter                  | Conc. | Qualifier | MDL  | LOQ / CRQL | Units(Dry Weight) |
|------------|----------------------------|-------|-----------|------|------------|-------------------|
| 208-96-8   | Acenaphthylene             | 1200  |           | 57.2 | 110        | ug/Kg             |
| 606-20-2   | 2,6-Dinitrotoluene         | 1200  |           | 55.0 | 110        | ug/Kg             |
| 99-09-2    | 3-Nitroaniline             | 750   |           | 58.9 | 110        | ug/Kg             |
| 83-32-9    | Acenaphthene               | 1200  |           | 53.6 | 110        | ug/Kg             |
| 51-28-5    | 2,4-Dinitrophenol          | 2400  | E         | 160  | 220        | ug/Kg             |
| 100-02-7   | 4-Nitrophenol              | 2300  | E         | 76.6 | 220        | ug/Kg             |
| 132-64-9   | Dibenzofuran               | 1100  |           | 55.8 | 110        | ug/Kg             |
| 121-14-2   | 2,4-Dinitrotoluene         | 1300  |           | 57.0 | 110        | ug/Kg             |
| 84-66-2    | Diethylphthalate           | 1100  |           | 52.9 | 110        | ug/Kg             |
| 7005-72-3  | 4-Chlorophenyl-phenylether | 1100  |           | 56.6 | 110        | ug/Kg             |
| 86-73-7    | Fluorene                   | 1100  |           | 56.5 | 110        | ug/Kg             |
| 100-01-6   | 4-Nitroaniline             | 1200  |           | 70.7 | 110        | ug/Kg             |
| 534-52-1   | 4,6-Dinitro-2-methylphenol | 1500  |           | 77.3 | 220        | ug/Kg             |
| 86-30-6    | n-Nitrosodiphenylamine     | 1200  |           | 53.9 | 110        | ug/Kg             |
| 101-55-3   | 4-Bromophenyl-phenylether  | 1200  |           | 52.1 | 110        | ug/Kg             |
| 118-74-1   | Hexachlorobenzene          | 1200  |           | 56.2 | 110        | ug/Kg             |
| 1912-24-9  | Atrazine                   | 1400  |           | 60.4 | 110        | ug/Kg             |
| 87-86-5    | Pentachlorophenol          | 2100  | E         | 51.1 | 220        | ug/Kg             |
| 85-01-8    | Phenanthrene               | 1100  |           | 55.5 | 110        | ug/Kg             |
| 120-12-7   | Anthracene                 | 1200  |           | 55.8 | 110        | ug/Kg             |
| 86-74-8    | Carbazole                  | 1100  |           | 53.1 | 110        | ug/Kg             |
| 84-74-2    | Di-n-butylphthalate        | 1200  |           | 55.7 | 110        | ug/Kg             |
| 206-44-0   | Fluoranthene               | 1000  |           | 54.0 | 110        | ug/Kg             |
| 129-00-0   | Pyrene                     | 1000  |           | 54.8 | 110        | ug/Kg             |
| 85-68-7    | Butylbenzylphthalate       | 1300  |           | 64.0 | 110        | ug/Kg             |
| 91-94-1    | 3,3-Dichlorobenzidine      | 820   |           | 65.1 | 220        | ug/Kg             |
| 56-55-3    | Benzo(a)anthracene         | 1200  |           | 53.3 | 110        | ug/Kg             |
| 218-01-9   | Chrysene                   | 1100  |           | 52.5 | 110        | ug/Kg             |
| 117-81-7   | Bis(2-ethylhexyl)phthalate | 1500  |           | 60.1 | 110        | ug/Kg             |
| 117-84-0   | Di-n-octyl phthalate       | 1400  |           | 72.7 | 220        | ug/Kg             |
| 205-99-2   | Benzo(b)fluoranthene       | 1000  |           | 53.6 | 110        | ug/Kg             |

## Report of Analysis

|                    |                              |                 |                              |
|--------------------|------------------------------|-----------------|------------------------------|
| Client:            | Portal Partners Tri-Venture  | Date Collected: | 10/21/24                     |
| Project:           | Amtrak Sawtooth Bridges 2024 | Date Received:  | 10/21/24                     |
| Client Sample ID:  | TP-1MSD                      | SDG No.:        | P4471                        |
| Lab Sample ID:     | P4467-01MSD                  | Matrix:         | SOIL                         |
| Analytical Method: | SW8270                       | % Solid:        | 90.7                         |
| Sample Wt/Vol:     | 50.06      Units:    g       | Final Vol:      | 1000                      uL |
| Soil Aliquot Vol:  | uL                           | Test:           | SVOC-TCL BNA -20             |
| Extraction Type :  | Decanted :      N            | Level :         | LOW                          |
| Injection Volume : | GPC Factor :    1.0          | GPC Cleanup :   | N                      PH :  |
| Prep Method :      | SW3541                       |                 |                              |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BF140005.D        | 1         | 10/22/24 10:44 | 10/24/24 17:17 | PB164312      |

| CAS Number                | Parameter                  | Conc.  | Qualifier | MDL                 | LOQ / CRQL | Units(Dry Weight) |
|---------------------------|----------------------------|--------|-----------|---------------------|------------|-------------------|
| 207-08-9                  | Benzo(k)fluoranthene       | 1200   |           | 54.6                | 110        | ug/Kg             |
| 50-32-8                   | Benzo(a)pyrene             | 1200   |           | 61.4                | 110        | ug/Kg             |
| 193-39-5                  | Indeno(1,2,3-cd)pyrene     | 1200   |           | 51.6                | 110        | ug/Kg             |
| 53-70-3                   | Dibenzo(a,h)anthracene     | 1200   |           | 53.7                | 110        | ug/Kg             |
| 191-24-2                  | Benzo(g,h,i)perylene       | 990    |           | 52.9                | 110        | ug/Kg             |
| 95-94-3                   | 1,2,4,5-Tetrachlorobenzene | 1200   |           | 57.4                | 110        | ug/Kg             |
| 123-91-1                  | 1,4-Dioxane                | 960    |           | 72.7                | 110        | ug/Kg             |
| 58-90-2                   | 2,3,4,6-Tetrachlorophenol  | 1200   |           | 49.4                | 110        | ug/Kg             |
| <b>SURROGATES</b>         |                            |        |           |                     |            |                   |
| 367-12-4                  | 2-Fluorophenol             | 94.9   |           | 30 (18) - 130 (112) | 63%        | SPK: 150          |
| 13127-88-3                | Phenol-d6                  | 92.7   |           | 30 (15) - 130 (107) | 62%        | SPK: 150          |
| 4165-60-0                 | Nitrobenzene-d5            | 70.6   |           | 30 (18) - 130 (107) | 71%        | SPK: 100          |
| 321-60-8                  | 2-Fluorobiphenyl           | 68.2   |           | 30 (20) - 130 (109) | 68%        | SPK: 100          |
| 118-79-6                  | 2,4,6-Tribromophenol       | 110    |           | 30 (10) - 130 (116) | 74%        | SPK: 150          |
| 1718-51-0                 | Terphenyl-d14              | 64.9   |           | 30 (10) - 130 (105) | 65%        | SPK: 100          |
| <b>INTERNAL STANDARDS</b> |                            |        |           |                     |            |                   |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4     | 132000 | 6.893     |                     |            |                   |
| 1146-65-2                 | Naphthalene-d8             | 501000 | 8.175     |                     |            |                   |
| 15067-26-2                | Acenaphthene-d10           | 271000 | 9.928     |                     |            |                   |
| 1517-22-2                 | Phenanthrene-d10           | 451000 | 11.416    |                     |            |                   |
| 1719-03-5                 | Chrysene-d12               | 233000 | 14.051    |                     |            |                   |
| 1520-96-3                 | Perylene-d12               | 308000 | 15.527    |                     |            |                   |

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



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102424\  
 Data File : BF140005.D  
 Acq On : 24 Oct 2024 17:17  
 Operator : RC/JU  
 Sample : P4467-01MSD  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-1MSD

Quant Time: Oct 24 17:45:55 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101824.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Oct 18 15:07:50 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.893  | 152  | 131947   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.175  | 136  | 501368   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.928  | 164  | 271082   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.416 | 188  | 450738   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.051 | 240  | 233244   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.527 | 264  | 308426   | 20.000  | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.510  | 112  | 799674   | 94.877  | ng    | 0.01     |
| 7) Phenol-d6                  | 6.510  | 99   | 1012285  | 92.732  | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.451  | 82   | 638656   | 70.600  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.716 | 330  | 279554   | 110.251 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.245  | 172  | 1119419  | 68.247  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.992 | 244  | 929562   | 64.941  | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| Target Compounds              |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.740  | 88   | 170681   | 43.433  | ng    | 95       |
| 3) Pyridine                   | 3.499  | 79   | 437331   | 44.897  | ng    | 95       |
| 4) n-Nitrosodimethylamine     | 3.452  | 42   | 231921   | 44.315  | ng    | 95       |
| 6) Aniline                    | 6.551  | 93   | 449056   | 44.139  | ng    | 98       |
| 8) 2-Chlorophenol             | 6.675  | 128  | 437510   | 50.776  | ng    | 96       |
| 9) Benzaldehyde               | 6.440  | 77   | 94660    | 15.414  | ng    | 98       |
| 10) Phenol                    | 6.528  | 94   | 544689m  | 48.399  | ng    |          |
| 11) bis(2-Chloroethyl)ether   | 6.622  | 93   | 426841   | 49.070  | ng    | 99       |
| 12) 1,3-Dichlorobenzene       | 6.834  | 146  | 474358   | 47.959  | ng    | 98       |
| 13) 1,4-Dichlorobenzene       | 6.910  | 146  | 484574   | 49.037  | ng    | 98       |
| 14) 1,2-Dichlorobenzene       | 7.057  | 146  | 465650   | 50.490  | ng    | 98       |
| 15) Benzyl Alcohol            | 7.028  | 79   | 401147   | 50.096  | ng    | 99       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.163  | 45   | 694463   | 46.821  | ng    | 97       |
| 17) 2-Methylphenol            | 7.134  | 107  | 363394   | 49.460  | ng    | 100      |
| 18) Hexachloroethane          | 7.404  | 117  | 171917   | 48.787  | ng    | 95       |
| 19) n-Nitroso-di-n-propyla... | 7.298  | 70   | 316676   | 47.831  | ng    | 98       |
| 20) 3+4-Methylphenols         | 7.287  | 107  | 451943   | 48.091  | ng    | 95       |
| 22) Acetophenone              | 7.298  | 105  | 598941   | 48.773  | ng    | 97       |
| 24) Nitrobenzene              | 7.469  | 77   | 476377   | 48.031  | ng    | 98       |
| 25) Isophorone                | 7.710  | 82   | 872334   | 50.807  | ng    | 99       |
| 26) 2-Nitrophenol             | 7.787  | 139  | 229681   | 61.385  | ng    | 95       |
| 27) 2,4-Dimethylphenol        | 7.822  | 122  | 361571   | 57.953  | ng    | 100      |
| 28) bis(2-Chloroethoxy)met... | 7.916  | 93   | 518995   | 49.892  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 8.022  | 162  | 361564   | 50.879  | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 8.110  | 180  | 385361   | 49.007  | ng    | 99       |
| 31) Naphthalene               | 8.193  | 128  | 1262514  | 48.826  | ng    | 99       |
| 32) Benzoic acid              | 7.928  | 122  | 258670   | 47.536  | ng    | 96       |
| 33) 4-Chloroaniline           | 8.234  | 127  | 155580   | 17.645  | ng    | 100      |
| 34) Hexachlorobutadiene       | 8.310  | 225  | 248809   | 50.360  | ng    | 99       |
| 35) Caprolactam               | 8.610  | 113  | 113194m  | 50.095  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 8.716  | 107  | 397485   | 50.514  | ng    | 99       |
| 37) 2-Methylnaphthalene       | 8.887  | 142  | 796790   | 50.314  | ng    | 100      |
| 38) 1-Methylnaphthalene       | 8.987  | 142  | 747926   | 48.138  | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 9.051  | 216  | 382027   | 52.237  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 9.040  | 237  | 462690   | 181.825 | ng    | 98       |
| 43) 2,4,6-Trichlorophenol     | 9.157  | 196  | 280594   | 54.192  | ng    | 100      |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102424\  
 Data File : BF140005.D  
 Acq On : 24 Oct 2024 17:17  
 Operator : RC/JU  
 Sample : P4467-01MSD  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-1MSD

Quant Time: Oct 24 17:45:55 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101824.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Oct 18 15:07:50 2024  
 Response via : Initial Calibration

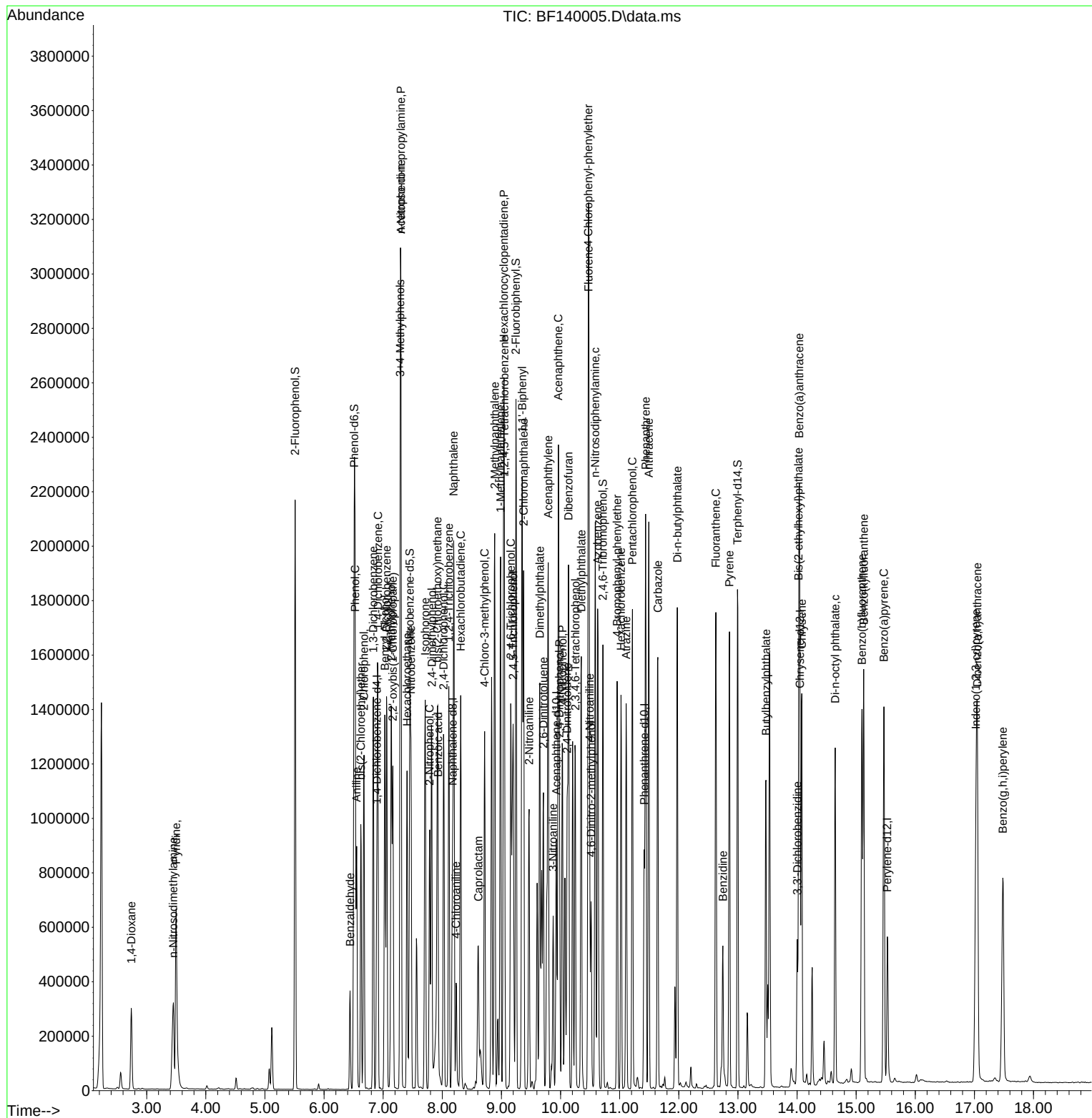
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.198  | 196  | 276809   | 51.817  | ng    | 99       |
| 46) 1,1'-Biphenyl             | 9.351  | 154  | 961569   | 50.954  | ng    | 99       |
| 47) 2-Chloronaphthalene       | 9.375  | 162  | 765331   | 50.353  | ng    | 99       |
| 48) 2-Nitroaniline            | 9.469  | 65   | 256691   | 55.219  | ng    | 91       |
| 49) Acenaphthylene            | 9.792  | 152  | 1191031  | 54.203  | ng    | 99       |
| 50) Dimethylphthalate         | 9.651  | 163  | 891137   | 52.777  | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 9.710  | 165  | 194168   | 53.110  | ng    | 94       |
| 52) Acenaphthene              | 9.963  | 154  | 791591   | 55.689  | ng    | 99       |
| 53) 3-Nitroaniline            | 9.875  | 138  | 128233   | 34.012  | ng    | 95       |
| 54) 2,4-Dinitrophenol         | 9.981  | 184  | 170043   | 109.339 | ng    | # 1      |
| 55) Dibenzofuran              | 10.134 | 168  | 1038826  | 50.937  | ng    | 99       |
| 56) 4-Nitrophenol             | 10.034 | 139  | 300808   | 103.705 | ng    | 97       |
| 57) 2,4-Dinitrotoluene        | 10.110 | 165  | 256418   | 57.034  | ng    | 98       |
| 58) Fluorene                  | 10.475 | 166  | 786374   | 50.624  | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol | 10.251 | 232  | 223414   | 53.349  | ng    | 97       |
| 60) Diethylphthalate          | 10.351 | 149  | 856016   | 51.633  | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 10.469 | 204  | 405285   | 51.665  | ng    | 97       |
| 62) 4-Nitroaniline            | 10.492 | 138  | 186131   | 52.272  | ng    | 95       |
| 63) Azobenzene                | 10.628 | 77   | 949473   | 54.021  | ng    | 96       |
| 65) 4,6-Dinitro-2-methylph... | 10.516 | 198  | 123475   | 67.159  | ng    | 94       |
| 66) n-Nitrosodiphenylamine    | 10.586 | 169  | 725635   | 53.789  | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 10.957 | 248  | 258439   | 55.657  | ng    | 97       |
| 68) Hexachlorobenzene         | 11.022 | 284  | 281314   | 53.868  | ng    | 97       |
| 69) Atrazine                  | 11.110 | 200  | 239754   | 65.607  | ng    | 99       |
| 70) Pentachlorophenol         | 11.216 | 266  | 299684   | 94.554  | ng    | 99       |
| 71) Phenanthrene              | 11.439 | 178  | 1105042  | 51.902  | ng    | 100      |
| 72) Anthracene                | 11.492 | 178  | 1124220  | 54.119  | ng    | 99       |
| 73) Carbazole                 | 11.645 | 167  | 927677   | 48.017  | ng    | 99       |
| 74) Di-n-butylphthalate       | 11.975 | 149  | 1227353  | 54.987  | ng    | 100      |
| 75) Fluoranthene              | 12.628 | 202  | 986151   | 45.817  | ng    | 99       |
| 77) Benzidine                 | 12.745 | 184  | 285122   | 74.341  | ng    | 99       |
| 78) Pyrene                    | 12.857 | 202  | 962523   | 47.144  | ng    | 100      |
| 80) Butylbenzylphthalate      | 13.475 | 149  | 372387   | 60.838  | ng    | 97       |
| 81) Benzo(a)anthracene        | 14.039 | 228  | 810278   | 53.366  | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine    | 14.004 | 252  | 165178   | 37.312  | ng    | 100      |
| 83) Chrysene                  | 14.080 | 228  | 705708   | 50.692  | ng    | 100      |
| 84) Bis(2-ethylhexyl)phtha... | 14.027 | 149  | 475991   | 69.312  | ng    | 100      |
| 85) Di-n-octyl phthalate      | 14.645 | 149  | 805210   | 64.464  | ng    | 96       |
| 87) Indeno(1,2,3-cd)pyrene    | 17.027 | 276  | 1044523  | 52.642  | ng    | 98       |
| 88) Benzo(b)fluoranthene      | 15.098 | 252  | 880827   | 46.882  | ng    | 100      |
| 89) Benzo(k)fluoranthene      | 15.127 | 252  | 864790   | 53.372  | ng    | 99       |
| 90) Benzo(a)pyrene            | 15.468 | 252  | 864313   | 55.909  | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 17.051 | 278  | 866590   | 52.354  | ng    | 98       |
| 92) Benzo(g,h,i)perylene      | 17.480 | 276  | 745658   | 45.099  | ng    | 99       |

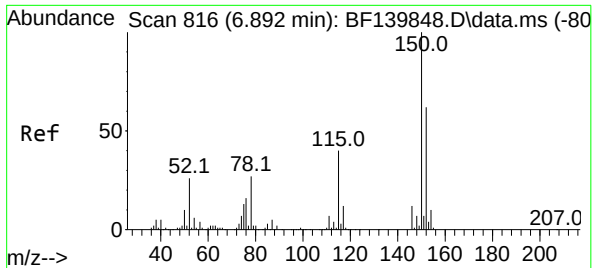
(#) = qualifier out of range (m) = manual integration (+) = signals summed

```
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102424\  
Data File : BF140005.D  
Acq On    : 24 Oct 2024 17:17  
Operator  : RC/JU  
Sample    : P4467-01MSD  
Misc      :  
ALS Vial  : 6    Sample Multiplier: 1
```

**Instrument :**  
BNA\_F  
**ClientSampleId :**  
TP-1MSD

Quant Time: Oct 24 17:45:55 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101824.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Oct 18 15:07:50 2024  
Response via : Initial Calibration

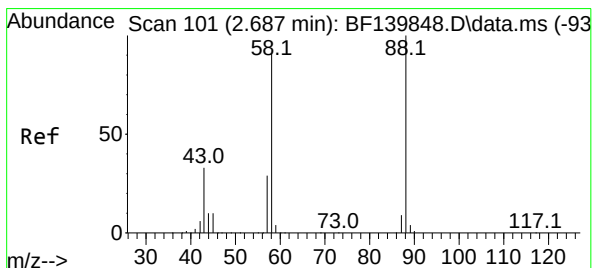
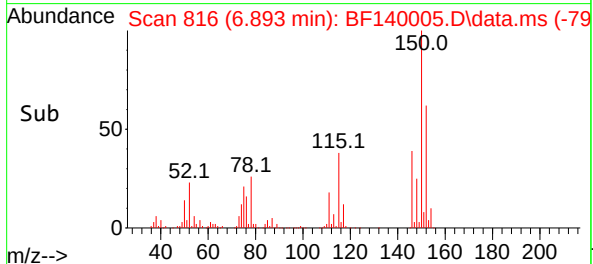
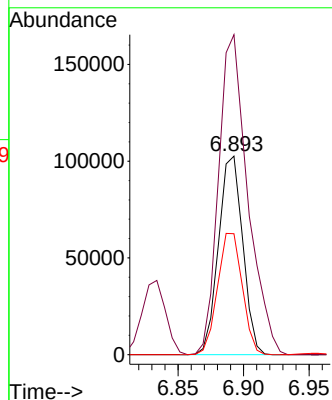
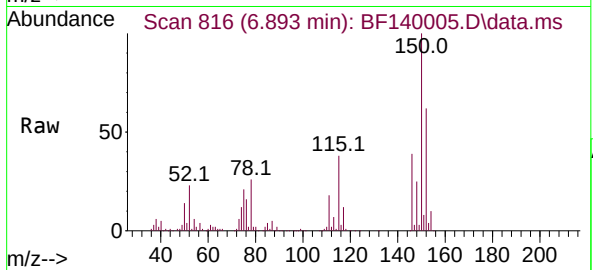




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.893 min Scan# 81  
Delta R.T. 0.001 min  
Lab File: BF140005.D  
Acq: 24 Oct 2024 17:17

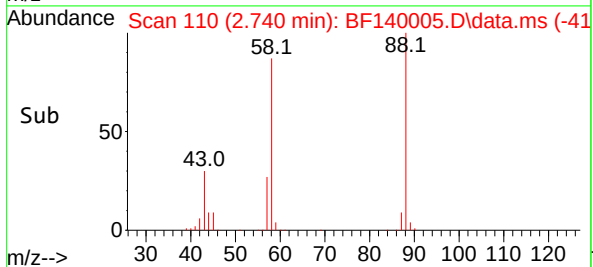
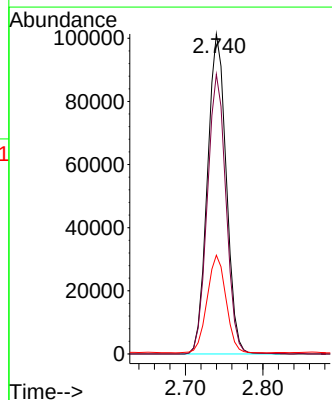
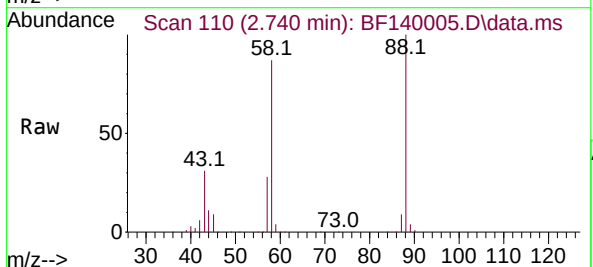
Instrument :  
BNA\_F  
ClientSampleId :  
TP-1MSD

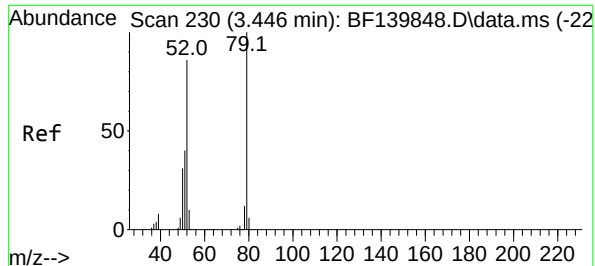
Tgt Ion:152 Resp: 131947  
Ion Ratio Lower Upper  
152 100  
150 161.1 130.2 195.2  
115 60.9 51.4 77.2



#2  
1,4-Dioxane  
Concen: 43.433 ng  
RT: 2.740 min Scan# 110  
Delta R.T. 0.053 min  
Lab File: BF140005.D  
Acq: 24 Oct 2024 17:17

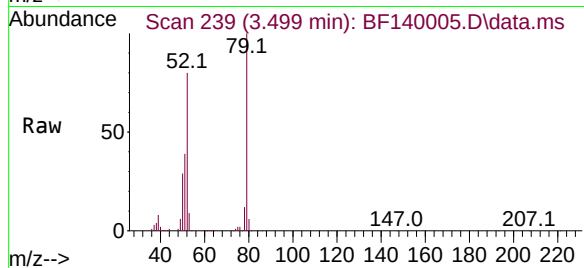
Tgt Ion: 88 Resp: 170681  
Ion Ratio Lower Upper  
88 100  
58 86.9 73.3 109.9  
43 30.5 27.1 40.7



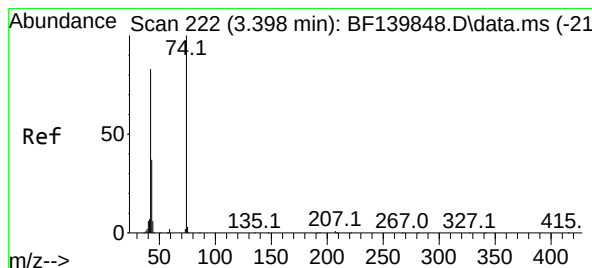
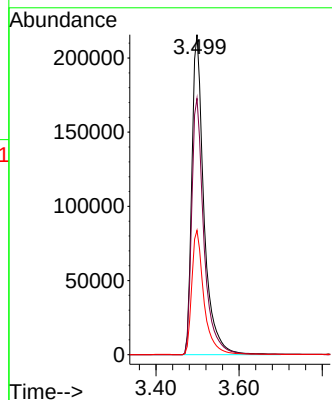
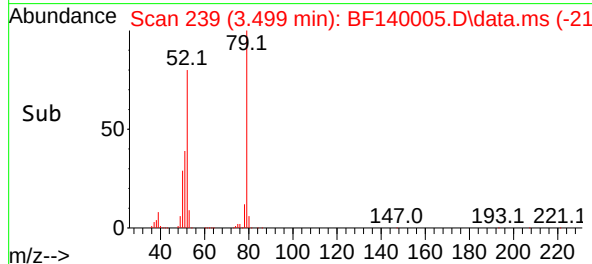


#3  
Pyridine  
Concen: 44.897 ng  
RT: 3.499 min Scan# 21  
Delta R.T. 0.053 min  
Lab File: BF140005.D  
Acq: 24 Oct 2024 17:17

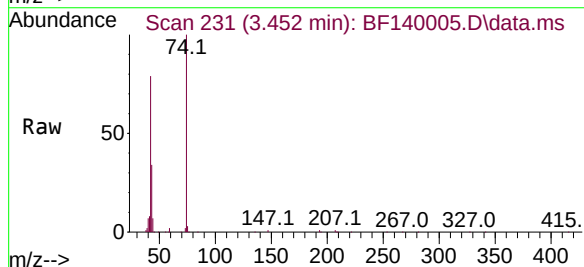
Instrument :  
BNA\_F  
ClientSampleId :  
TP-1MSD



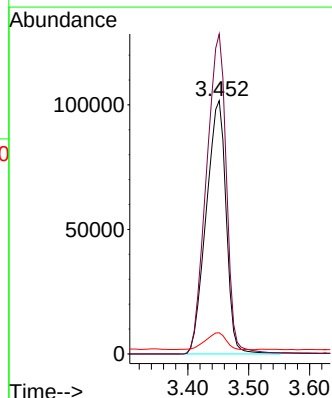
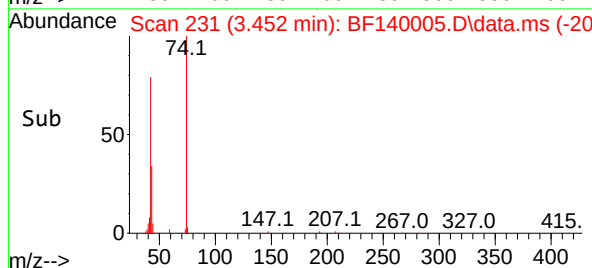
Tgt Ion: 79 Resp: 437331  
Ion Ratio Lower Upper  
79 100  
52 80.1 68.5 102.7  
51 38.9 32.3 48.5

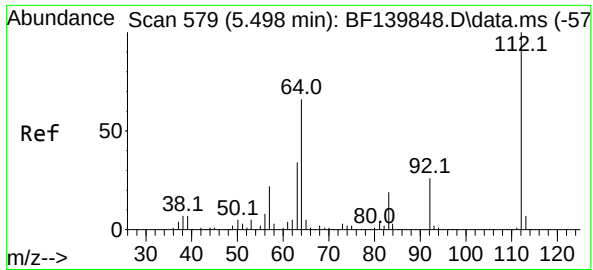


#4  
n-Nitrosodimethylamine  
Concen: 44.315 ng  
RT: 3.452 min Scan# 231  
Delta R.T. 0.053 min  
Lab File: BF140005.D  
Acq: 24 Oct 2024 17:17



Tgt Ion: 42 Resp: 231921  
Ion Ratio Lower Upper  
42 100  
74 126.3 96.2 144.4  
44 8.4 6.2 9.2

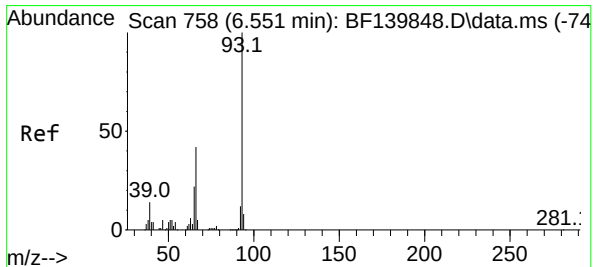
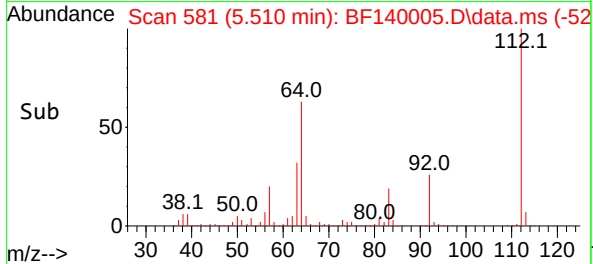
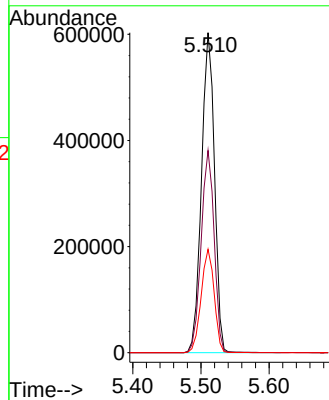
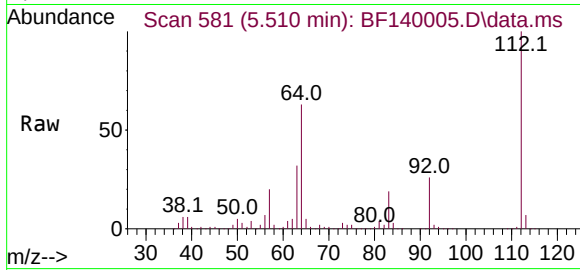




#5  
2-Fluorophenol  
Concen: 94.877 ng  
RT: 5.510 min Scan# 581  
Delta R.T. 0.012 min  
Lab File: BF140005.D  
Acq: 24 Oct 2024 17:17

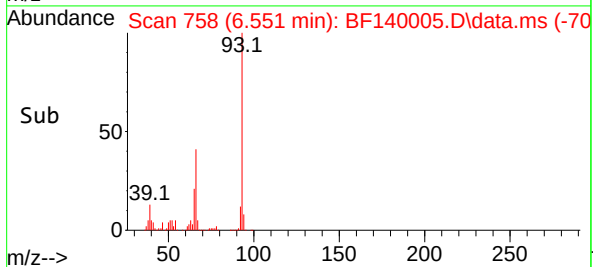
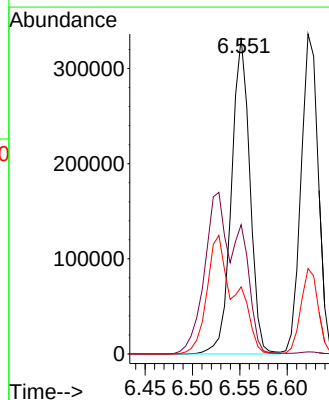
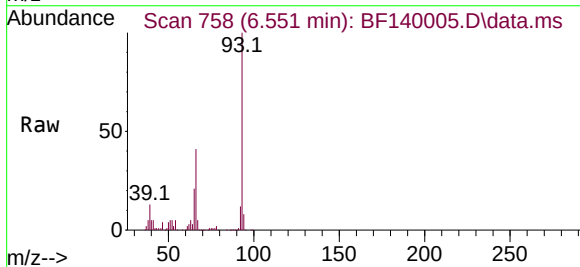
Instrument :  
BNA\_F  
ClientSampleId :  
TP-1MSD

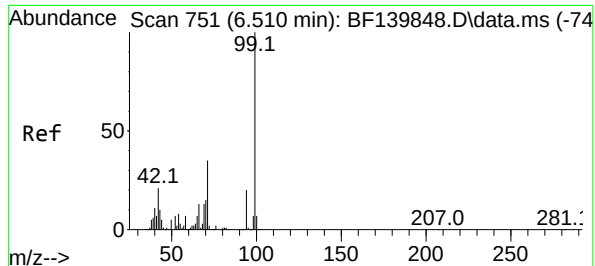
Tgt Ion:112 Resp: 799674  
Ion Ratio Lower Upper  
112 100  
64 63.2 53.0 79.6  
63 32.3 27.0 40.4



#6  
Aniline  
Concen: 44.139 ng  
RT: 6.551 min Scan# 758  
Delta R.T. 0.000 min  
Lab File: BF140005.D  
Acq: 24 Oct 2024 17:17

Tgt Ion: 93 Resp: 449056  
Ion Ratio Lower Upper  
93 100  
66 40.9 34.0 51.0  
65 21.2 17.4 26.0

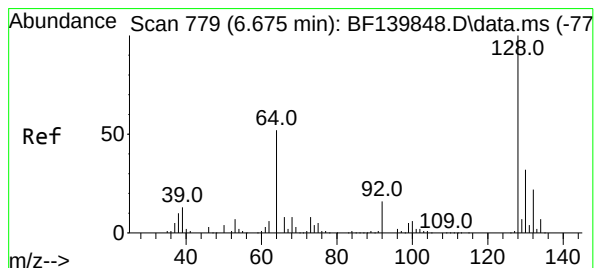
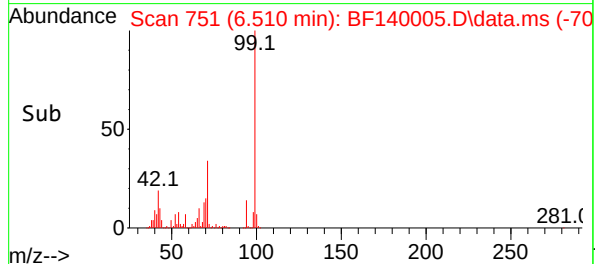
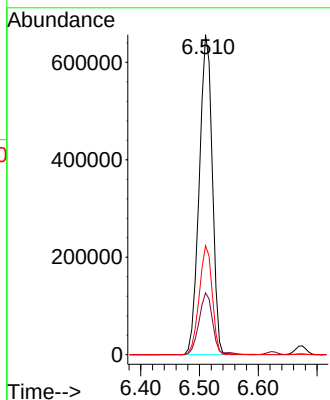
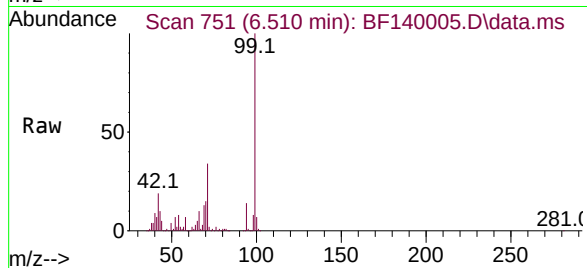




#7  
Phenol-d6  
Concen: 92.732 ng  
RT: 6.510 min Scan# 751  
Delta R.T. 0.000 min  
Lab File: BF140005.D  
Acq: 24 Oct 2024 17:17

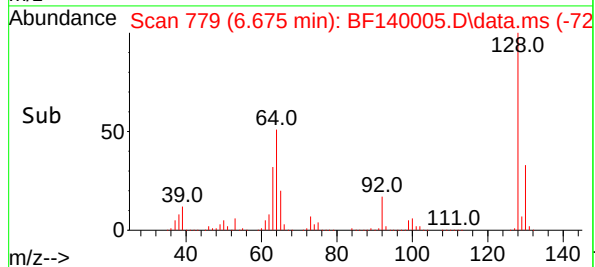
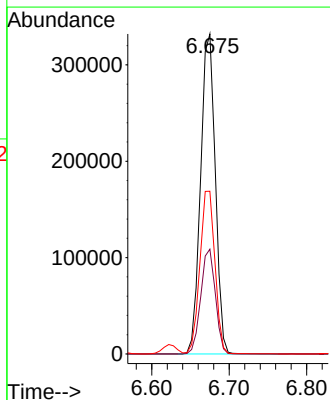
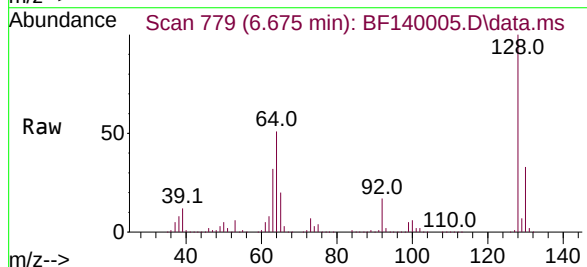
Instrument :  
BNA\_F  
ClientSampleId :  
TP-1MSD

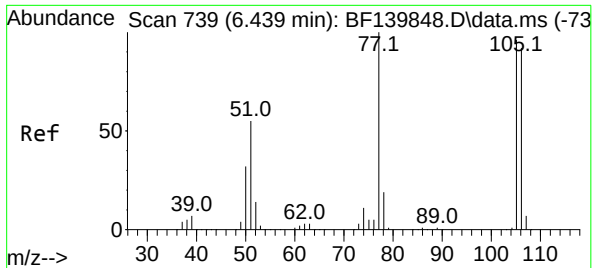
Tgt Ion: 99 Resp: 1012285  
Ion Ratio Lower Upper  
99 100  
42 19.3 16.7 25.1  
71 34.0 27.7 41.5



#8  
2-Chlorophenol  
Concen: 50.776 ng  
RT: 6.675 min Scan# 779  
Delta R.T. 0.000 min  
Lab File: BF140005.D  
Acq: 24 Oct 2024 17:17

Tgt Ion: 128 Resp: 437510  
Ion Ratio Lower Upper  
128 100  
130 32.8 12.3 52.3  
64 50.9 34.6 74.6

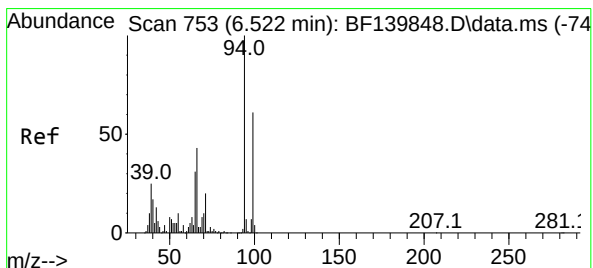
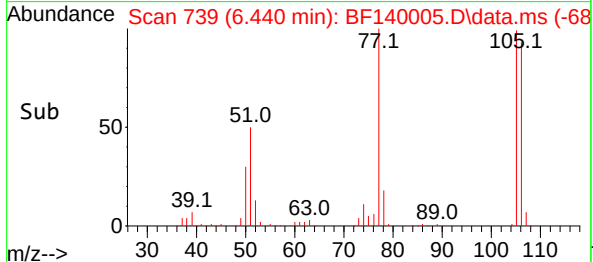
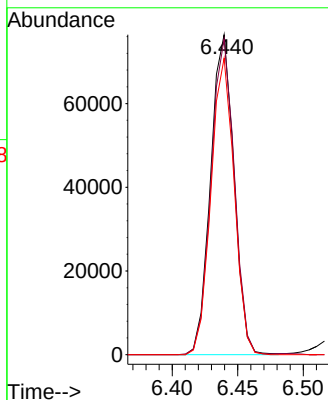
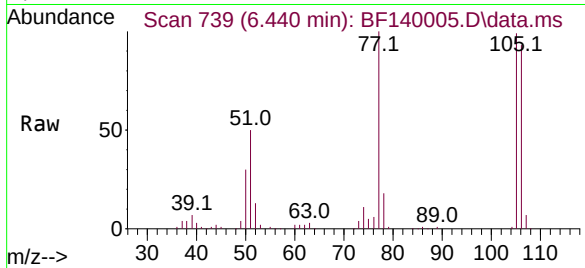




#9  
Benzaldehyde  
Concen: 15.414 ng  
RT: 6.440 min Scan# 71  
Delta R.T. 0.001 min  
Lab File: BF140005.D  
Acq: 24 Oct 2024 17:17

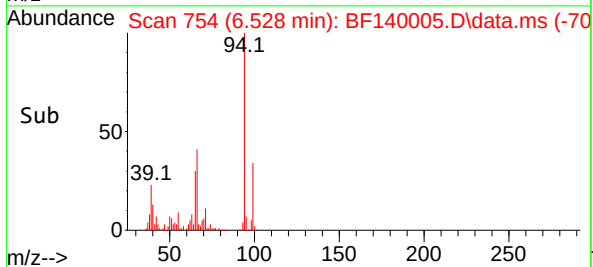
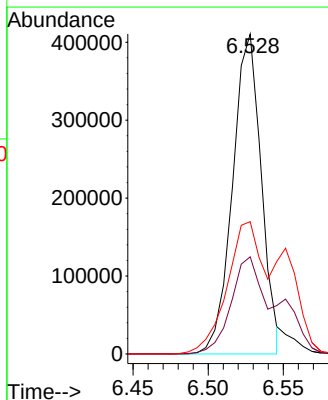
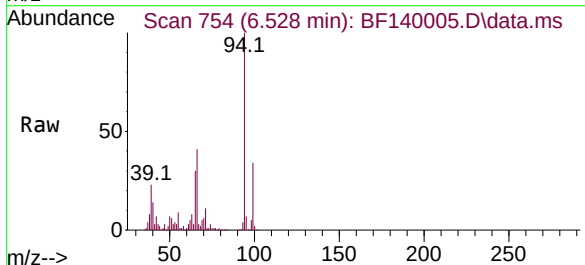
Instrument :  
BNA\_F  
ClientSampleId :  
TP-1MSD

Tgt Ion: 77 Resp: 94660  
Ion Ratio Lower Upper  
77 100  
105 98.6 75.5 115.5  
106 92.7 71.7 111.7

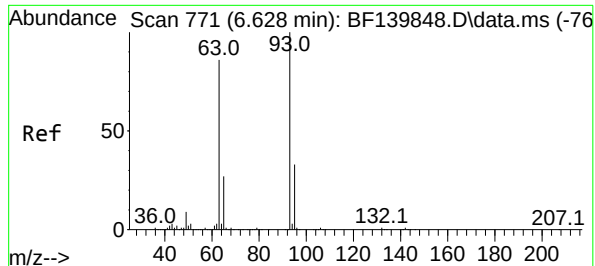


#10  
Phenol  
Concen: 48.399 ng m  
RT: 6.528 min Scan# 754  
Delta R.T. 0.006 min  
Lab File: BF140005.D  
Acq: 24 Oct 2024 17:17

Tgt Ion: 94 Resp: 544689  
Ion Ratio Lower Upper  
94 100  
65 30.4 11.1 51.1  
66 41.3 22.7 62.7



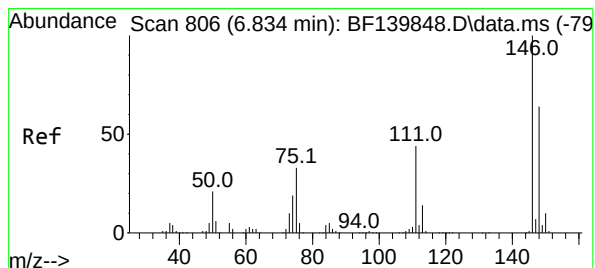
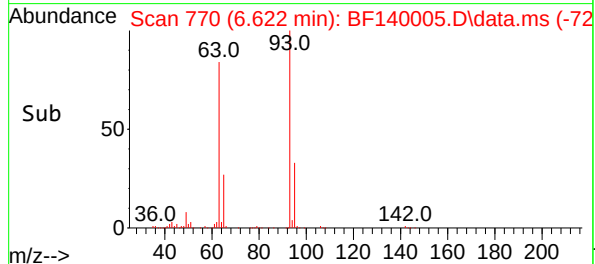
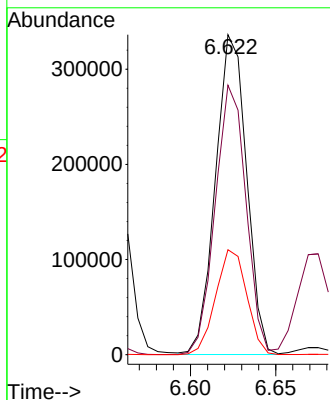
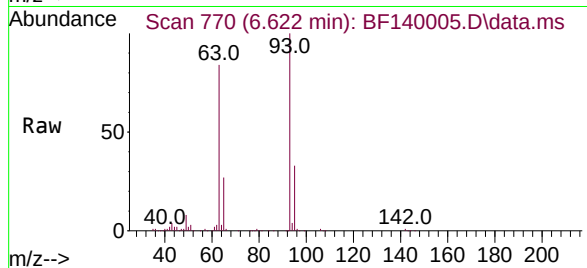




#11  
bis(2-Chloroethyl)ether  
Concen: 49.070 ng  
RT: 6.622 min Scan# 771  
Delta R.T. -0.006 min  
Lab File: BF140005.D  
Acq: 24 Oct 2024 17:17

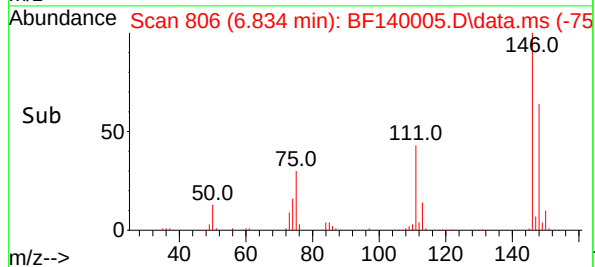
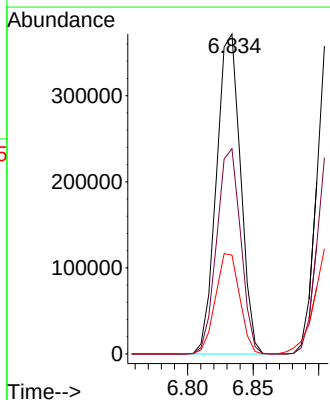
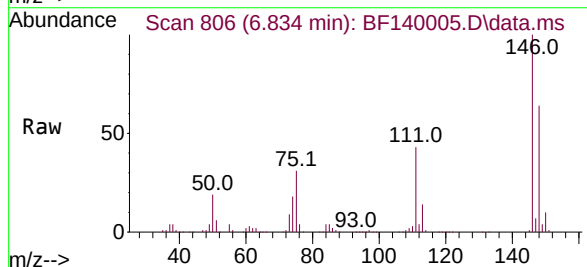
Instrument :  
BNA\_F  
ClientSampleId :  
TP-1MSD

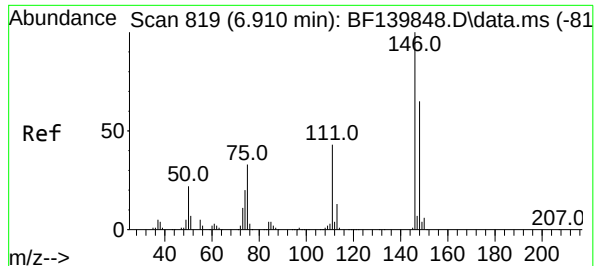
Tgt Ion: 93 Resp: 426841  
Ion Ratio Lower Upper  
93 100  
63 84.2 65.0 105.0  
95 32.8 12.4 52.4



#12  
1,3-Dichlorobenzene  
Concen: 47.959 ng  
RT: 6.834 min Scan# 806  
Delta R.T. 0.000 min  
Lab File: BF140005.D  
Acq: 24 Oct 2024 17:17

Tgt Ion: 146 Resp: 474358  
Ion Ratio Lower Upper  
146 100  
148 64.2 51.0 76.4  
75 30.9 26.4 39.6





#13

1,4-Dichlorobenzene

Concen: 49.037 ng

RT: 6.910 min Scan# 819

Delta R.T. 0.000 min

Lab File: BF140005.D

Acq: 24 Oct 2024 17:17

Instrument :

BNA\_F

ClientSampleId :

TP-1MSD

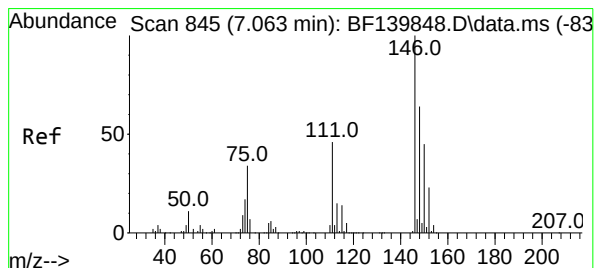
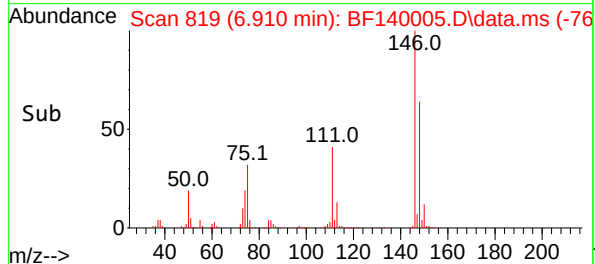
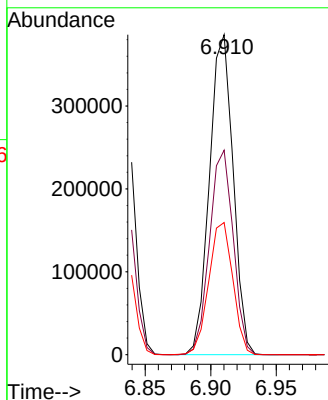
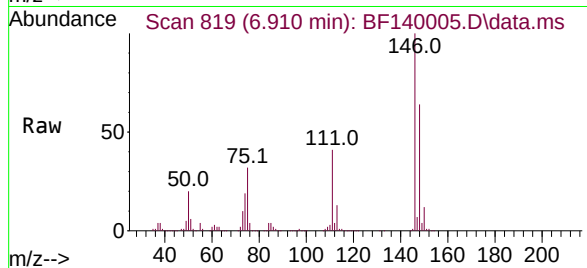
Tgt Ion:146 Resp: 484574

Ion Ratio Lower Upper

146 100

148 63.9 51.8 77.8

111 41.3 34.6 51.8



#14

1,2-Dichlorobenzene

Concen: 50.490 ng

RT: 7.057 min Scan# 844

Delta R.T. -0.006 min

Lab File: BF140005.D

Acq: 24 Oct 2024 17:17

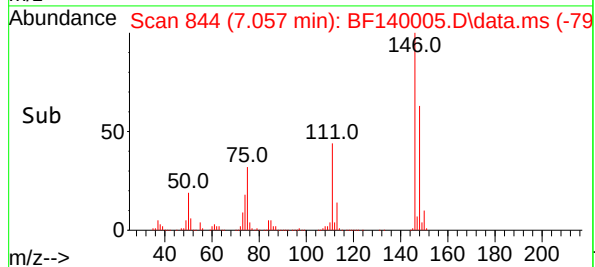
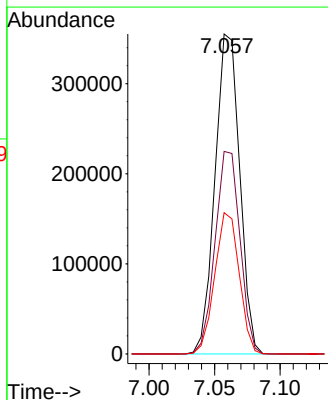
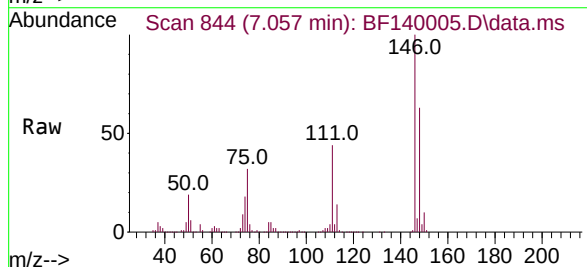
Tgt Ion:146 Resp: 465650

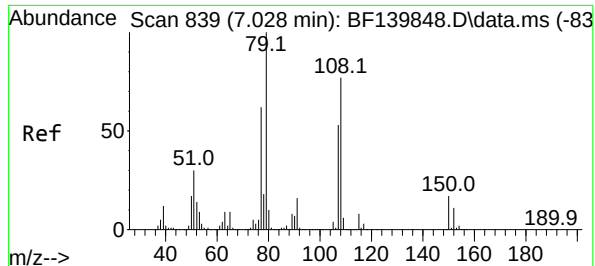
Ion Ratio Lower Upper

146 100

148 63.3 51.4 77.2

111 44.1 36.7 55.1





#15

Benzyl Alcohol

Concen: 50.096 ng

RT: 7.028 min Scan# 81

Delta R.T. 0.000 min

Lab File: BF140005.D

Acq: 24 Oct 2024 17:17

Instrument :

BNA\_F

ClientSampleId :

TP-1MSD

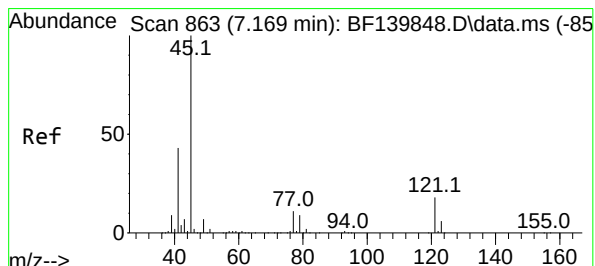
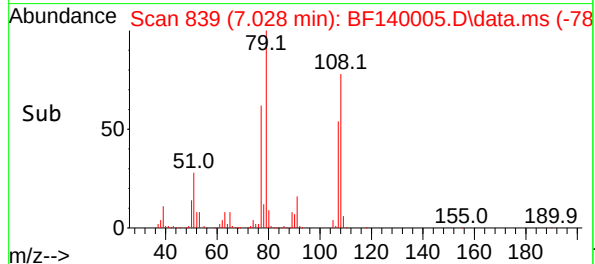
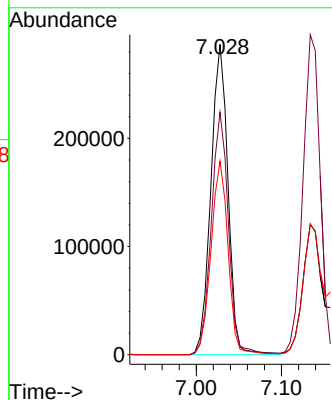
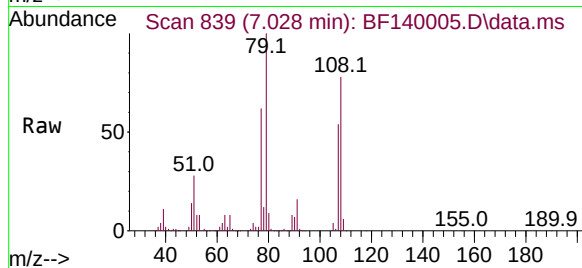
Tgt Ion: 79 Resp: 401147

Ion Ratio Lower Upper

79 100

108 78.1 61.4 92.0

77 62.3 49.9 74.9



#16

2,2'-oxybis(1-Chloropropane)

Concen: 46.821 ng

RT: 7.163 min Scan# 862

Delta R.T. -0.006 min

Lab File: BF140005.D

Acq: 24 Oct 2024 17:17

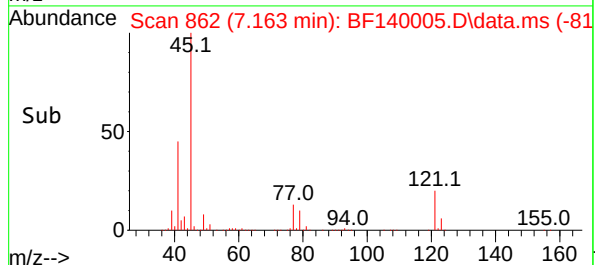
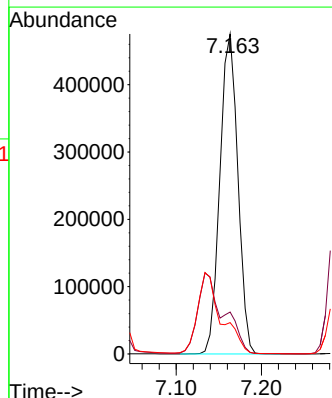
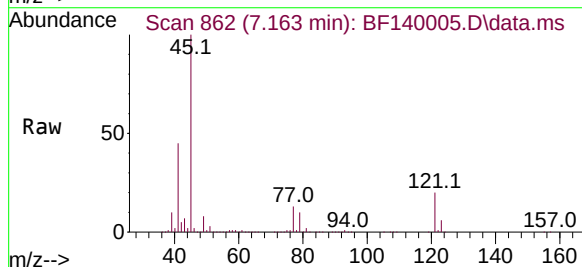
Tgt Ion: 45 Resp: 694463

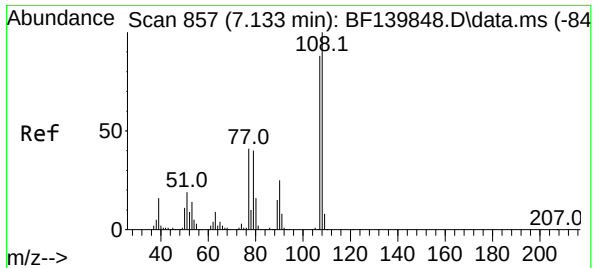
Ion Ratio Lower Upper

45 100

77 13.1 0.0 31.5

79 9.8 0.0 29.1

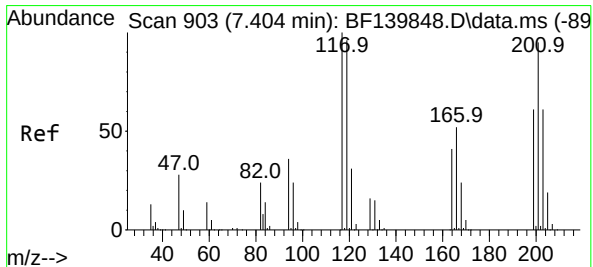
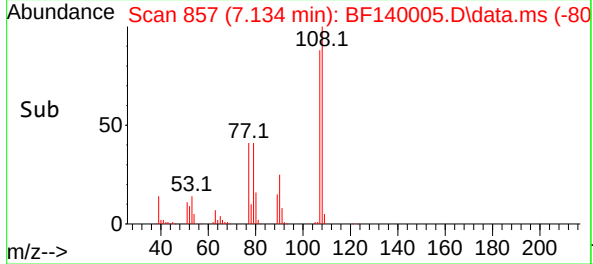
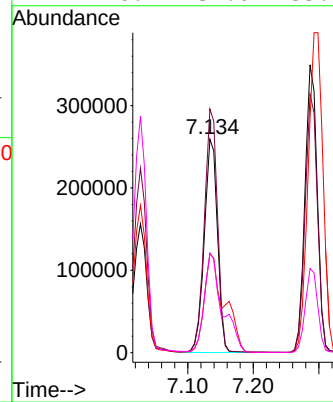
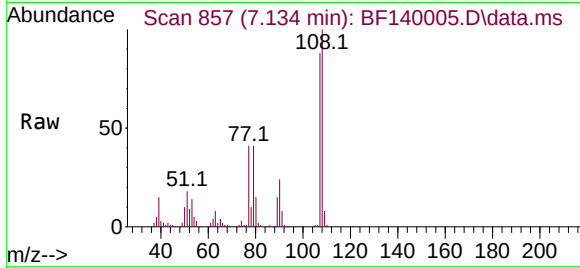




#17  
2-Methylphenol  
Concen: 49.460 ng  
RT: 7.134 min Scan# 857  
Delta R.T. 0.000 min  
Lab File: BF140005.D  
Acq: 24 Oct 2024 17:17

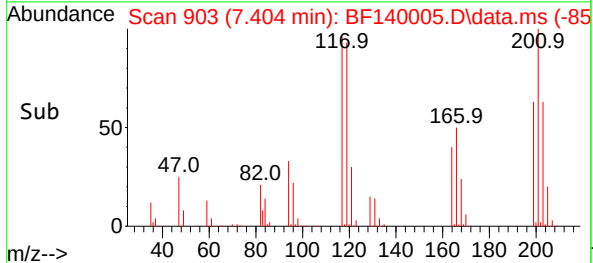
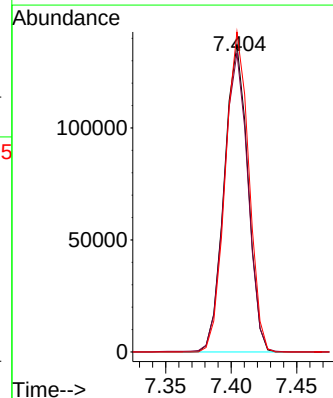
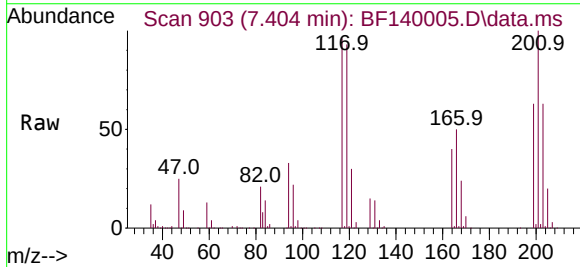
Instrument :  
BNA\_F  
ClientSampleId :  
TP-1MSD

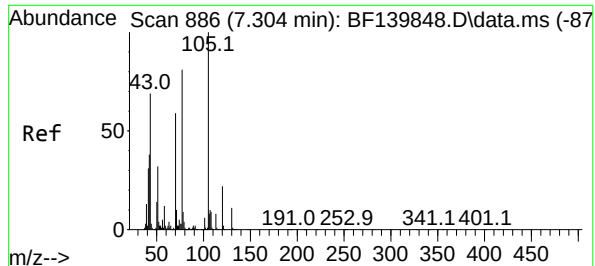
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 363394 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 114.1 | 91.3  | 136.9  |
| 77       | 46.4  | 37.1  | 55.7   |
| 79       | 46.7  | 37.0  | 55.6   |



#18  
Hexachloroethane  
Concen: 48.787 ng  
RT: 7.404 min Scan# 903  
Delta R.T. 0.000 min  
Lab File: BF140005.D  
Acq: 24 Oct 2024 17:17

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 171917 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 97.2  | 77.0  | 115.4  |
| 201      | 104.1 | 76.2  | 114.4  |





#19

n-Nitroso-di-n-propylamine

Concen: 47.831 ng

RT: 7.298 min Scan# 885

Delta R.T. -0.006 min

Lab File: BF140005.D

Acq: 24 Oct 2024 17:17

Instrument :

BNA\_F

ClientSampleId :

TP-1MSD

Tgt Ion: 70 Resp: 316676

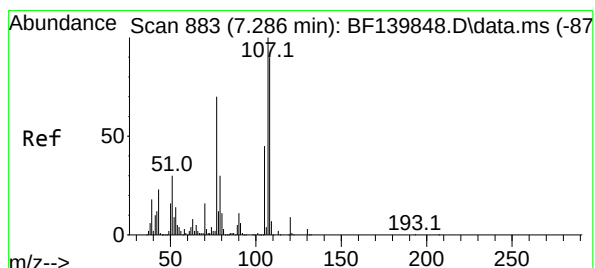
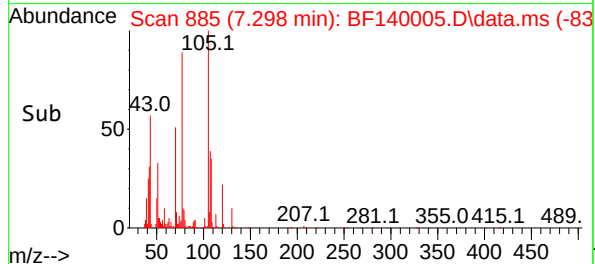
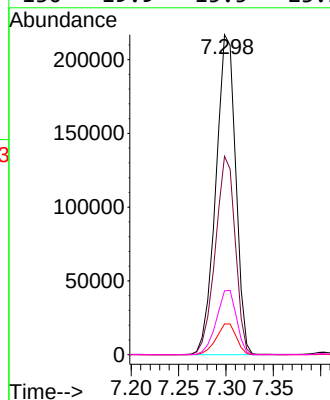
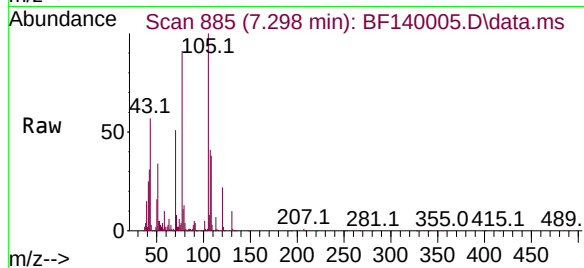
Ion Ratio Lower Upper

70 100

42 62.0 51.5 77.3

101 9.6 7.5 11.3

130 19.9 15.5 23.3



#20

3+4-Methylphenols

Concen: 48.091 ng

RT: 7.287 min Scan# 883

Delta R.T. 0.000 min

Lab File: BF140005.D

Acq: 24 Oct 2024 17:17

Tgt Ion: 107 Resp: 451943

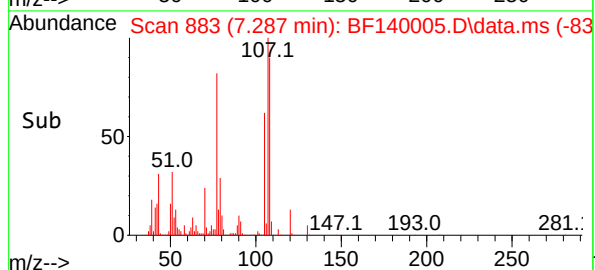
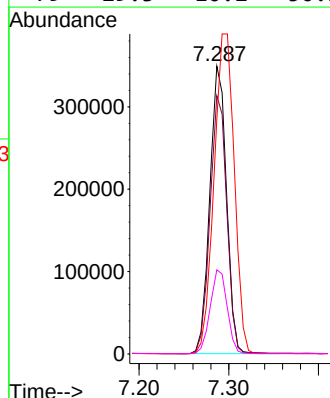
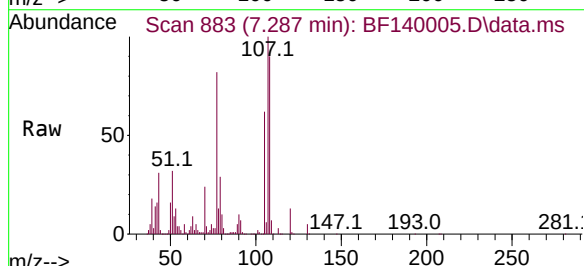
Ion Ratio Lower Upper

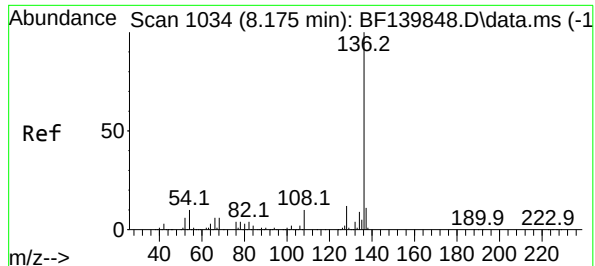
107 100

108 89.7 69.8 109.8

77 81.7 50.5 90.5

79 29.3 10.2 50.2

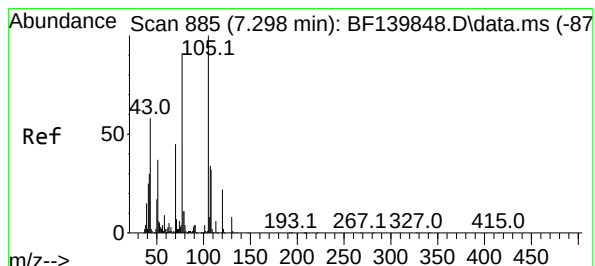
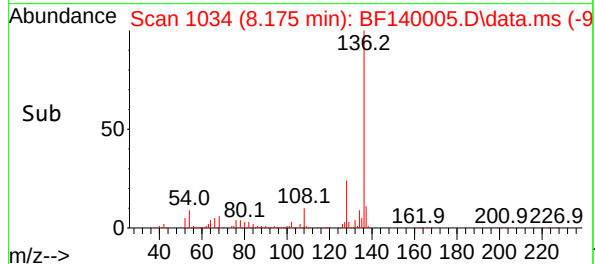
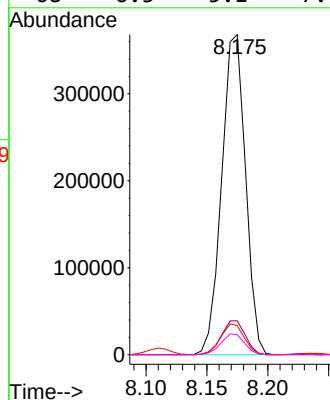
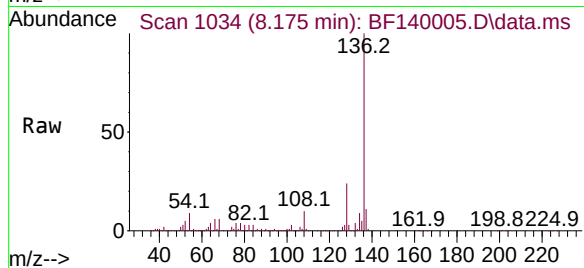




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.175 min Scan# 1034  
Delta R.T. 0.000 min  
Lab File: BF140005.D  
Acq: 24 Oct 2024 17:17

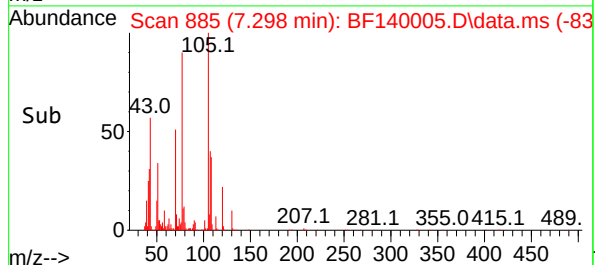
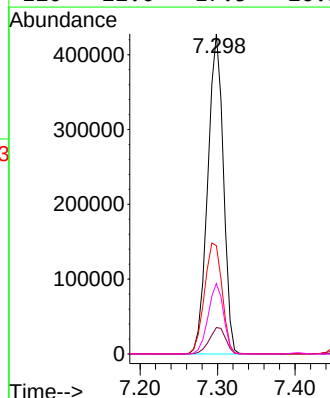
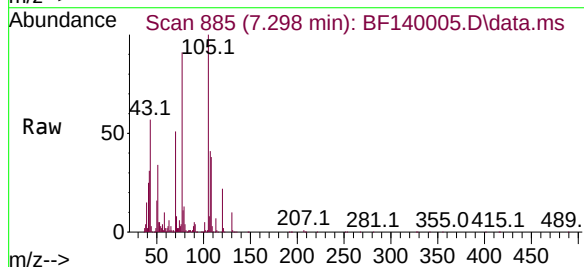
Instrument :  
BNA\_F  
ClientSampleId :  
TP-1MSD

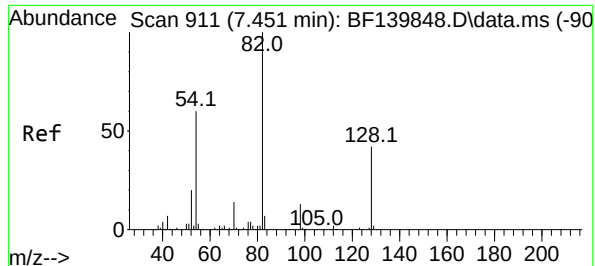
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 136   | Resp: | 501368 |
| Ion Ratio | Lower | Upper |        |
| 136       | 100   |       |        |
| 137       | 10.6  | 8.6   | 12.8   |
| 54        | 9.1   | 8.4   | 12.6   |
| 68        | 6.3   | 5.1   | 7.7    |



#22  
Acetophenone  
Concen: 48.773 ng  
RT: 7.298 min Scan# 885  
Delta R.T. 0.000 min  
Lab File: BF140005.D  
Acq: 24 Oct 2024 17:17

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 105   | Resp: | 598941 |
| Ion Ratio | Lower | Upper |        |
| 105       | 100   |       |        |
| 71        | 8.2   | 5.9   | 8.9    |
| 51        | 33.8  | 29.4  | 44.2   |
| 120       | 22.0  | 17.5  | 26.3   |





#23

Nitrobenzene-d5

Concen: 70.600 ng

RT: 7.451 min Scan# 911

Delta R.T. 0.000 min

Lab File: BF140005.D

Acq: 24 Oct 2024 17:17

Instrument :

BNA\_F

ClientSampleId :

TP-1MSD

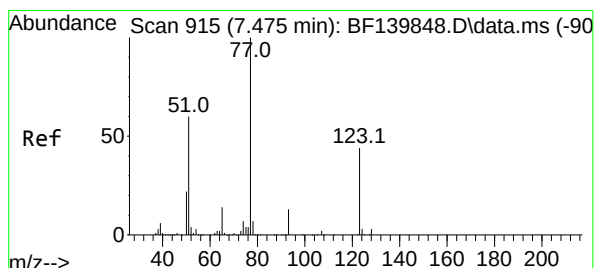
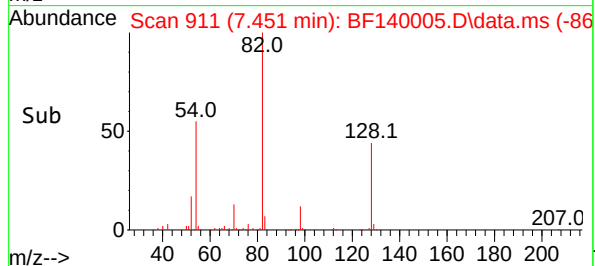
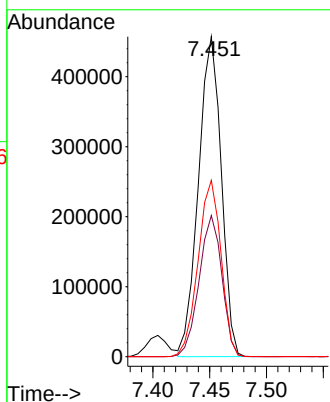
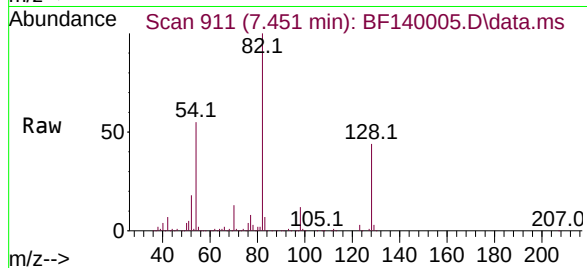
Tgt Ion: 82 Resp: 638656

Ion Ratio Lower Upper

82 100

128 44.1 33.4 50.0

54 55.1 47.8 71.8



#24

Nitrobenzene

Concen: 48.031 ng

RT: 7.469 min Scan# 914

Delta R.T. -0.006 min

Lab File: BF140005.D

Acq: 24 Oct 2024 17:17

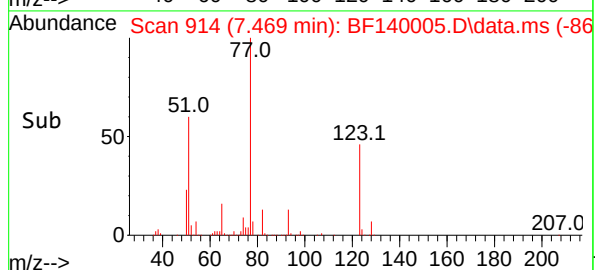
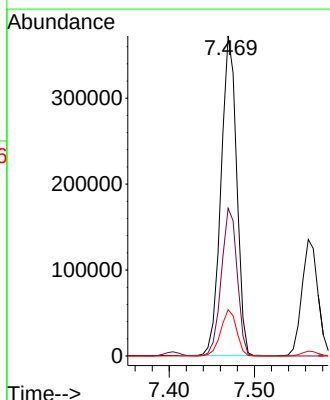
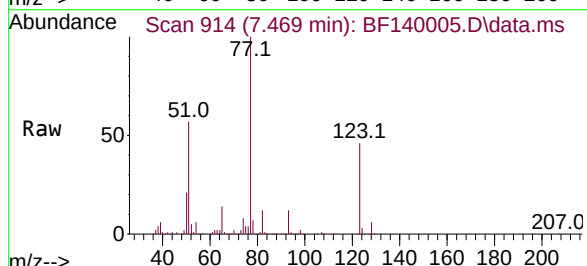
Tgt Ion: 77 Resp: 476377

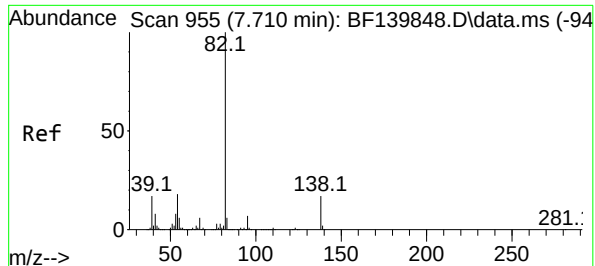
Ion Ratio Lower Upper

77 100

123 46.2 35.7 53.5

65 14.5 11.5 17.3





#25

Isophorone

Concen: 50.807 ng

RT: 7.710 min Scan# 955

Delta R.T. 0.000 min

Lab File: BF140005.D

Acq: 24 Oct 2024 17:17

Instrument :

BNA\_F

ClientSampleId :

TP-1MSD

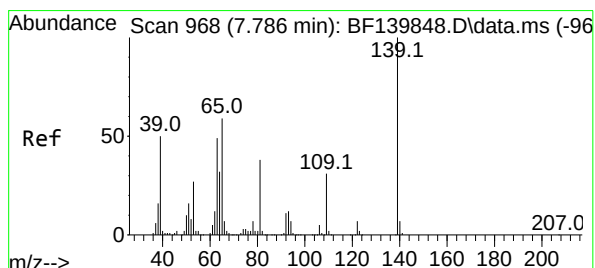
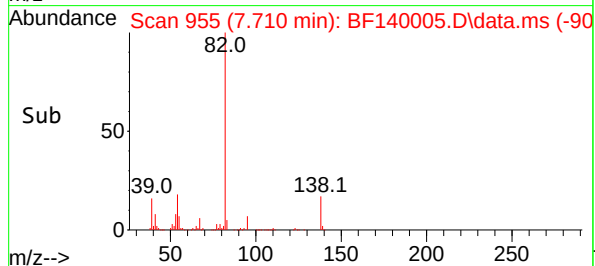
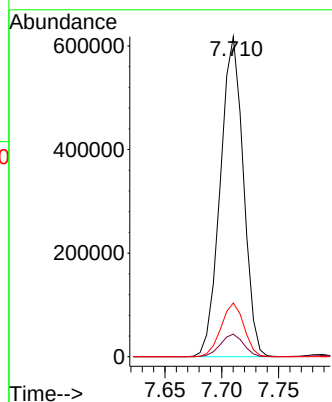
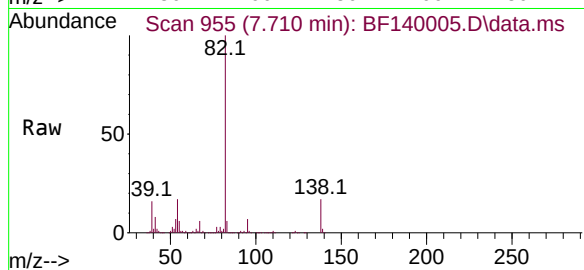
Tgt Ion: 82 Resp: 872334

Ion Ratio Lower Upper

82 100

95 7.0 5.5 8.3

138 16.8 13.2 19.8



#26

2-Nitrophenol

Concen: 61.385 ng

RT: 7.787 min Scan# 968

Delta R.T. 0.000 min

Lab File: BF140005.D

Acq: 24 Oct 2024 17:17

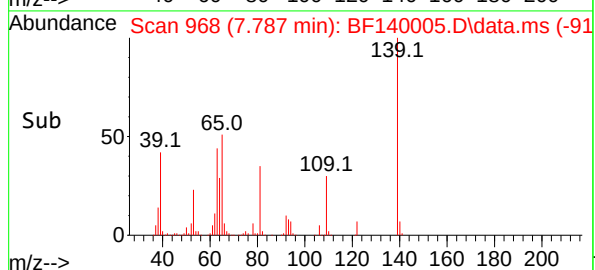
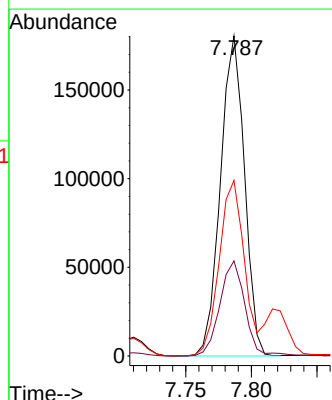
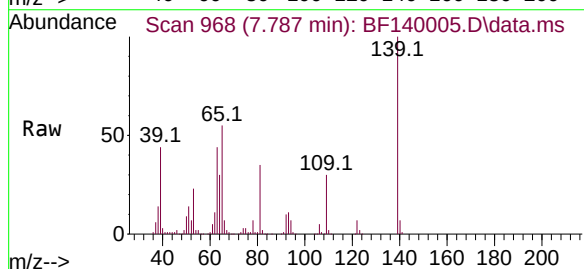
Tgt Ion:139 Resp: 229681

Ion Ratio Lower Upper

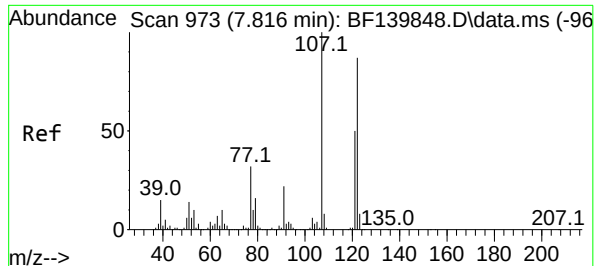
139 100

109 29.7 25.1 37.7

65 54.8 47.5 71.3







#27

2,4-Dimethylphenol

Concen: 57.953 ng

RT: 7.822 min Scan# 91

Delta R.T. 0.006 min

Lab File: BF140005.D

Acq: 24 Oct 2024 17:17

Instrument :

BNA\_F

ClientSampleId :

TP-1MSD

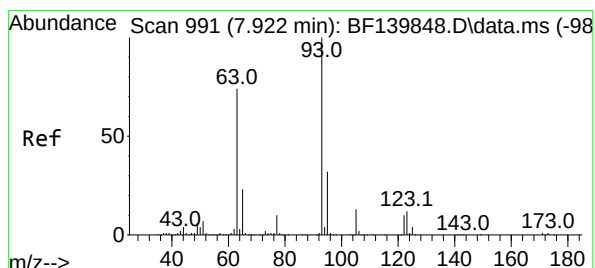
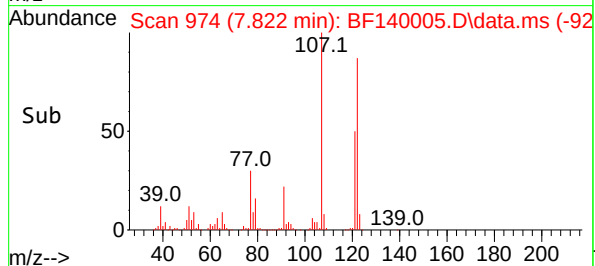
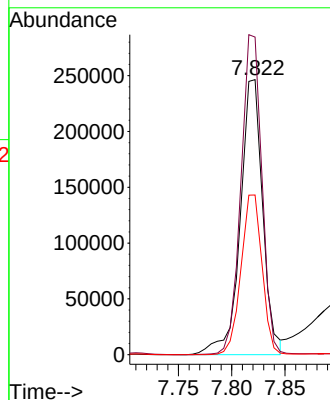
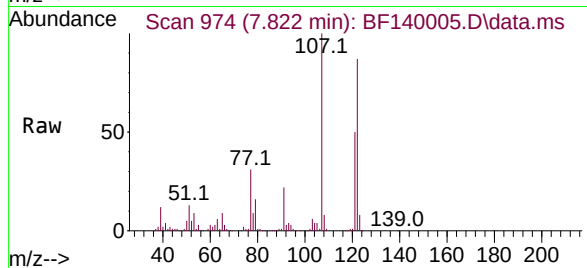
Tgt Ion:122 Resp: 361571

Ion Ratio Lower Upper

122 100

107 115.5 91.9 137.9

121 58.1 46.2 69.4



#28

bis(2-Chloroethoxy)methane

Concen: 49.892 ng

RT: 7.916 min Scan# 990

Delta R.T. -0.006 min

Lab File: BF140005.D

Acq: 24 Oct 2024 17:17

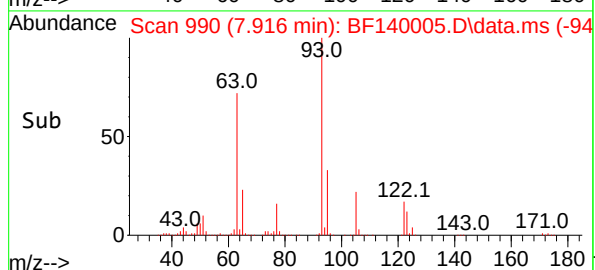
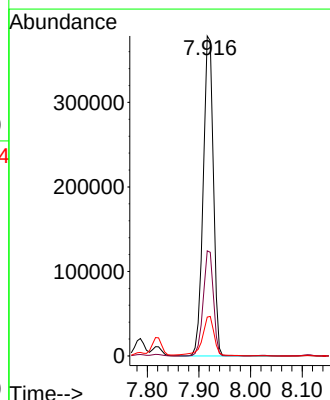
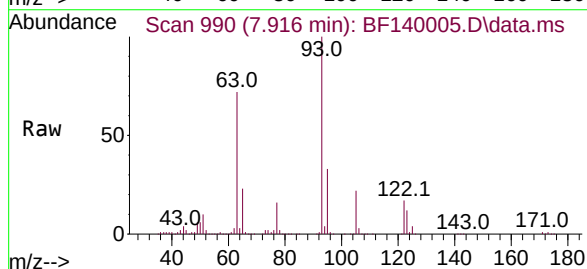
Tgt Ion: 93 Resp: 518995

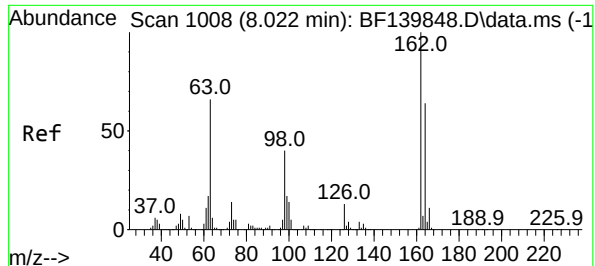
Ion Ratio Lower Upper

93 100

95 32.9 26.0 39.0

123 12.1 9.8 14.8





#29

2,4-Dichlorophenol

Concen: 50.879 ng

RT: 8.022 min Scan# 1008

Delta R.T. 0.000 min

Lab File: BF140005.D

Acq: 24 Oct 2024 17:17

Instrument :

BNA\_F

ClientSampleId :

TP-1MSD

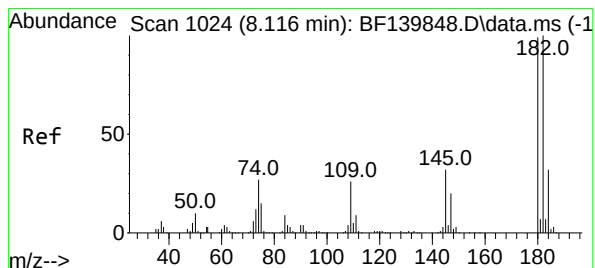
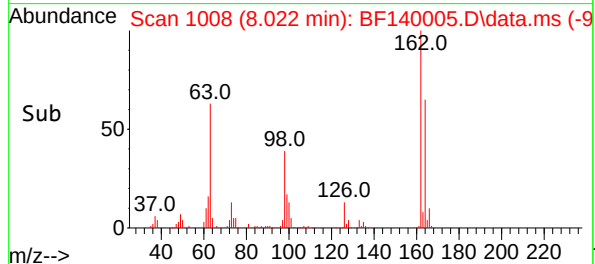
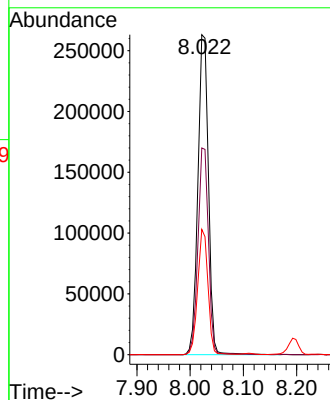
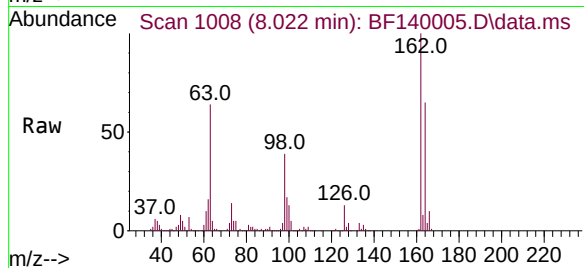
Tgt Ion:162 Resp: 361564

Ion Ratio Lower Upper

162 100

164 64.6 43.9 83.9

98 39.2 19.9 59.9



#30

1,2,4-Trichlorobenzene

Concen: 49.007 ng

RT: 8.110 min Scan# 1023

Delta R.T. -0.006 min

Lab File: BF140005.D

Acq: 24 Oct 2024 17:17

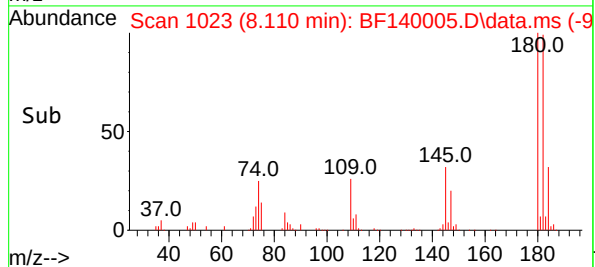
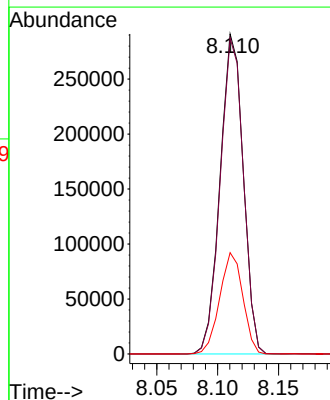
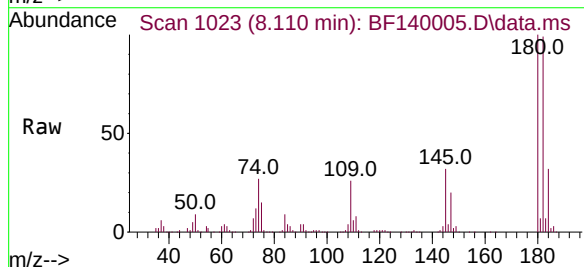
Tgt Ion:180 Resp: 385361

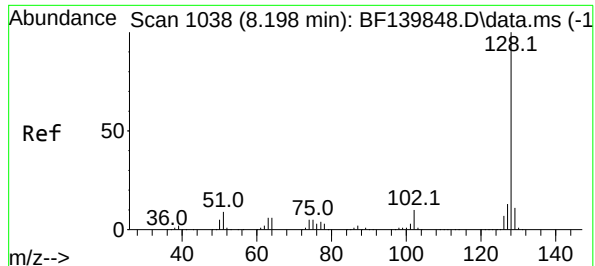
Ion Ratio Lower Upper

180 100

182 98.7 80.5 120.7

145 31.7 25.4 38.0





#31

Naphthalene

Concen: 48.826 ng

RT: 8.193 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF140005.D

Acq: 24 Oct 2024 17:17

Instrument :

BNA\_F

ClientSampleId :

TP-1MSD

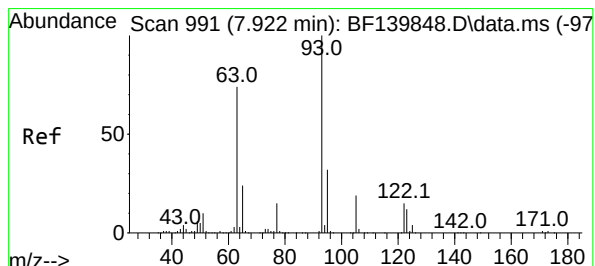
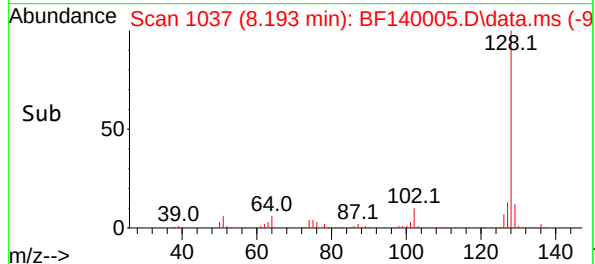
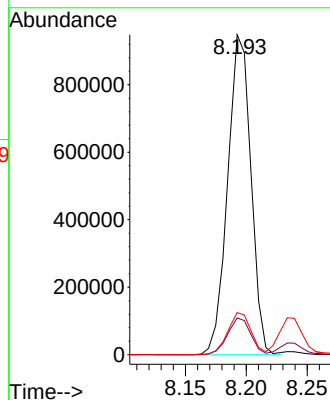
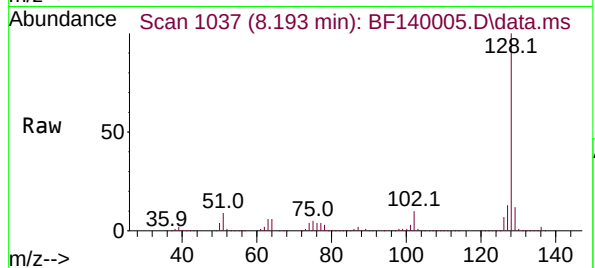
Tgt Ion:128 Resp: 1262514

Ion Ratio Lower Upper

128 100

129 11.5 8.9 13.3

127 13.1 10.6 16.0



#32

Benzoic acid

Concen: 47.536 ng

RT: 7.928 min Scan# 992

Delta R.T. 0.006 min

Lab File: BF140005.D

Acq: 24 Oct 2024 17:17

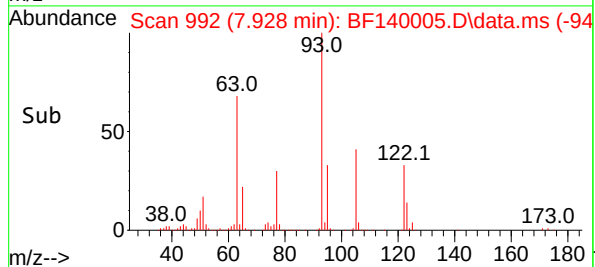
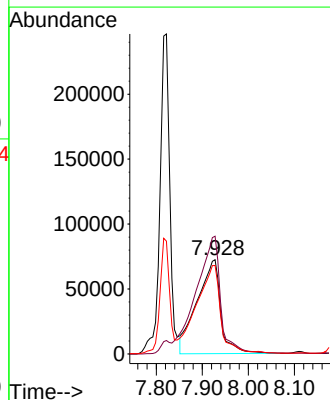
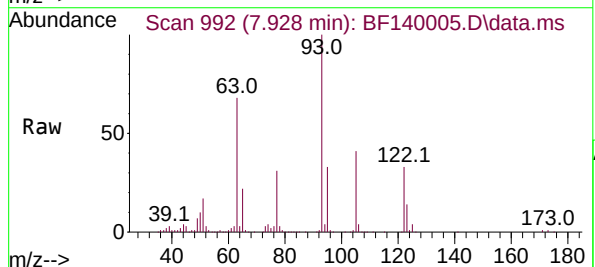
Tgt Ion:122 Resp: 258670

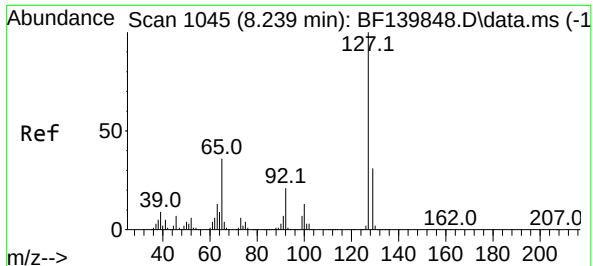
Ion Ratio Lower Upper

122 100

105 124.9 107.6 147.6

77 93.9 80.2 120.2





#33

4-Chloroaniline

Concen: 17.645 ng

RT: 8.234 min Scan# 1044

Delta R.T. -0.006 min

Lab File: BF140005.D

Acq: 24 Oct 2024 17:17

Instrument :

BNA\_F

ClientSampleId :

TP-1MSD

Tgt Ion:127 Resp: 155580

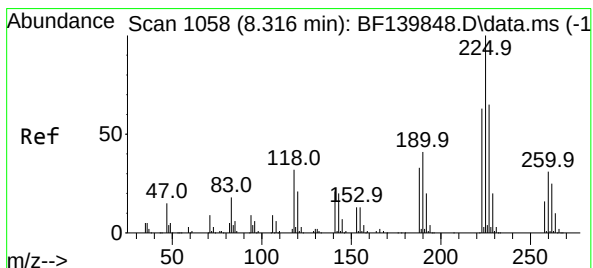
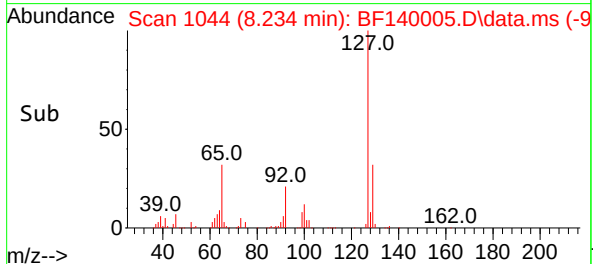
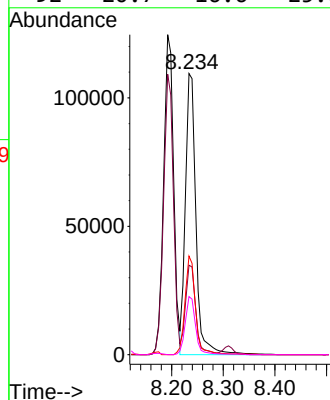
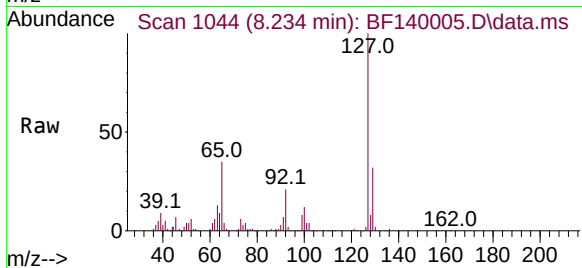
Ion Ratio Lower Upper

127 100

129 31.8 25.4 38.2

65 35.1 28.4 42.6

92 20.7 16.6 25.0



#34

Hexachlorobutadiene

Concen: 50.360 ng

RT: 8.310 min Scan# 1057

Delta R.T. -0.006 min

Lab File: BF140005.D

Acq: 24 Oct 2024 17:17

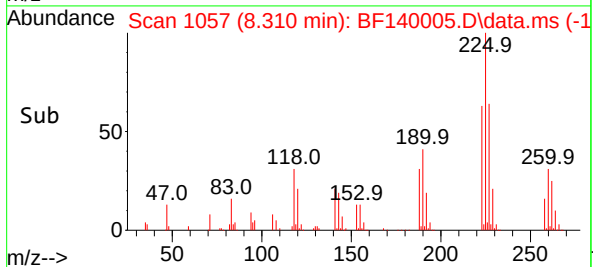
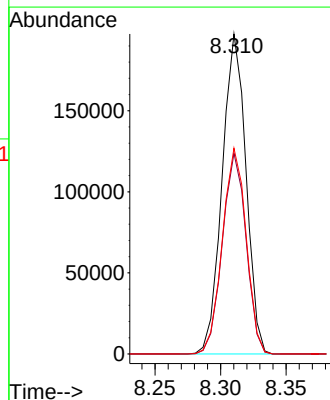
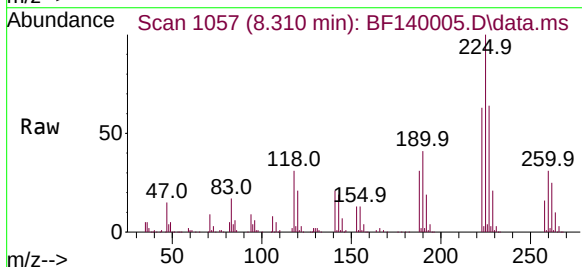
Tgt Ion:225 Resp: 248809

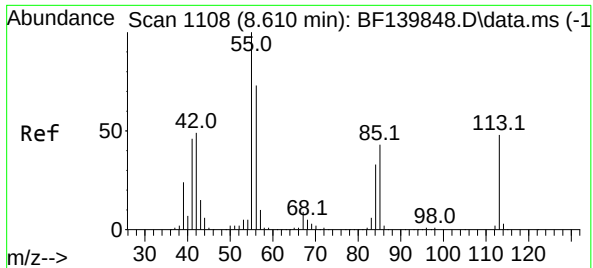
Ion Ratio Lower Upper

225 100

223 62.7 50.6 76.0

227 64.3 51.8 77.8





#35

Caprolactam

Concen: 50.095 ng m

RT: 8.610 min Scan# 1108

Delta R.T. 0.000 min

Lab File: BF140005.D

Acq: 24 Oct 2024 17:17

Instrument :

BNA\_F

ClientSampleId :

TP-1MSD

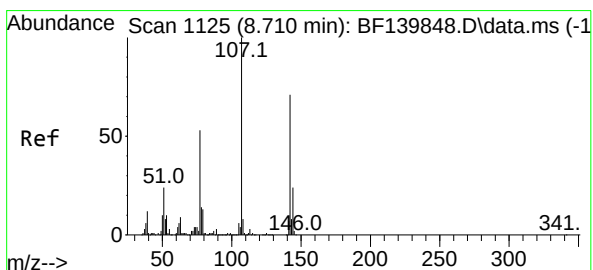
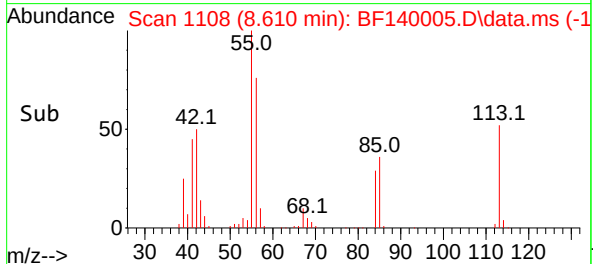
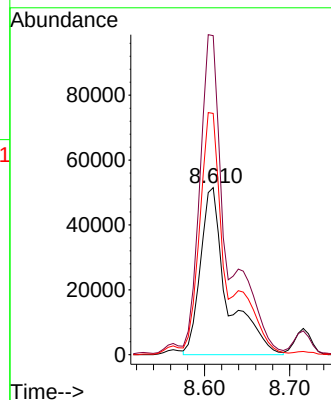
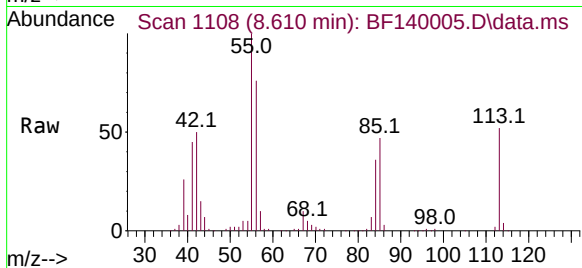
Tgt Ion:113 Resp: 113194

Ion Ratio Lower Upper

113 100

55 191.1 189.2 229.2

56 144.5 132.5 172.5



#36

4-Chloro-3-methylphenol

Concen: 50.514 ng

RT: 8.716 min Scan# 1126

Delta R.T. 0.006 min

Lab File: BF140005.D

Acq: 24 Oct 2024 17:17

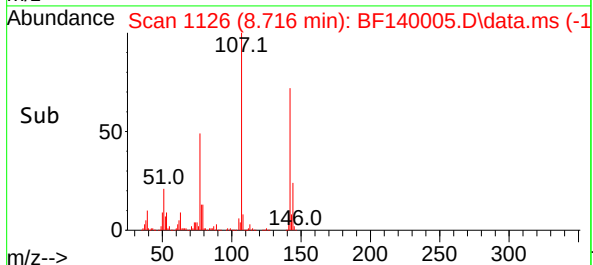
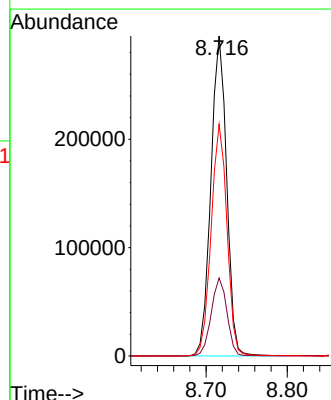
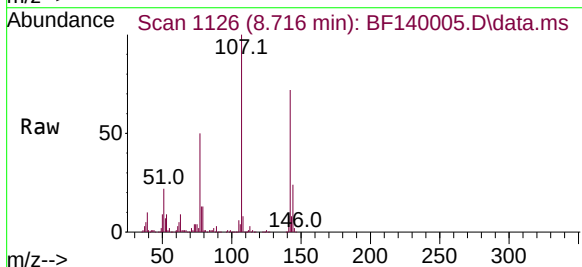
Tgt Ion:107 Resp: 397485

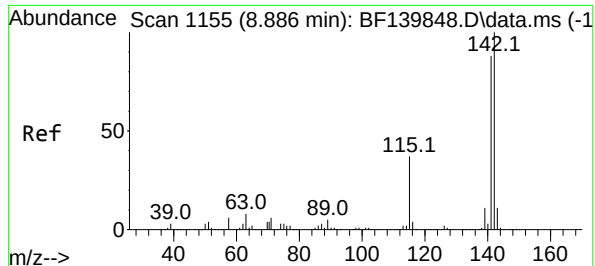
Ion Ratio Lower Upper

107 100

144 24.4 19.1 28.7

142 72.4 57.2 85.8





#37

2-Methylnaphthalene

Concen: 50.314 ng

RT: 8.887 min Scan# 1155

Delta R.T. 0.000 min

Lab File: BF140005.D

Acq: 24 Oct 2024 17:17

Instrument :

BNA\_F

ClientSampleId :

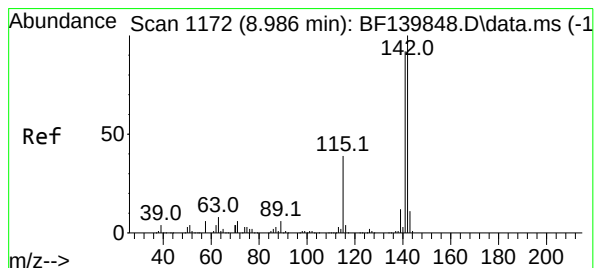
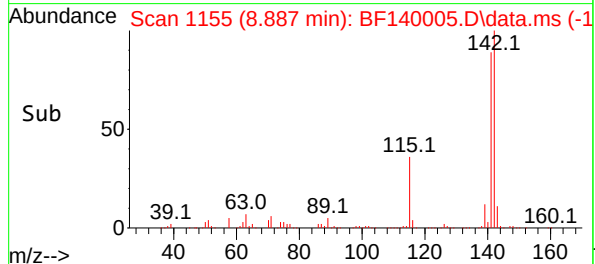
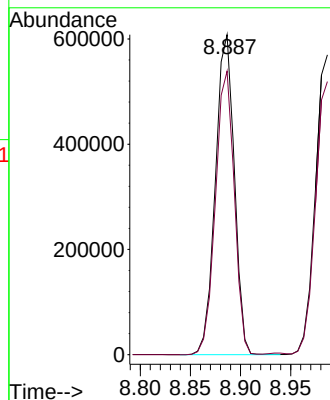
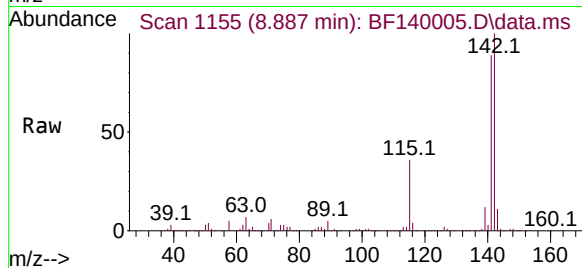
TP-1MSD

Tgt Ion:142 Resp: 796790

Ion Ratio Lower Upper

142 100

141 88.6 70.8 106.2



#38

1-Methylnaphthalene

Concen: 48.138 ng

RT: 8.987 min Scan# 1172

Delta R.T. 0.000 min

Lab File: BF140005.D

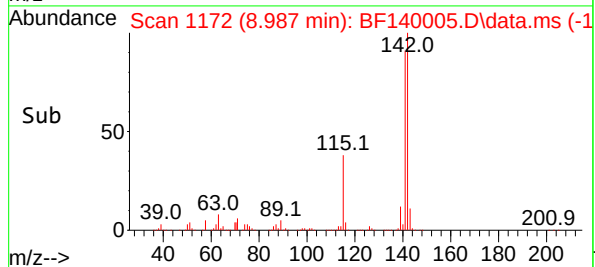
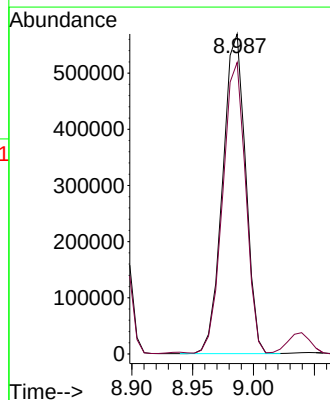
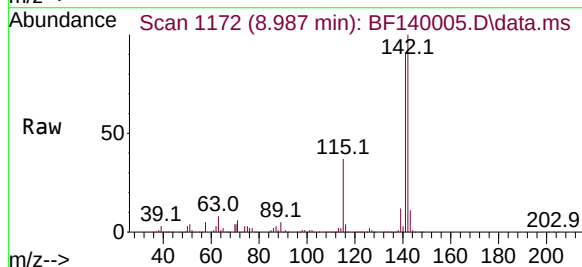
Acq: 24 Oct 2024 17:17

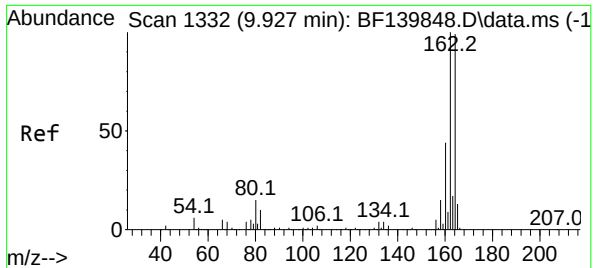
Tgt Ion:142 Resp: 747926

Ion Ratio Lower Upper

142 100

141 91.1 73.5 110.3





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.928 min Scan# 11

Delta R.T. 0.001 min

Lab File: BF140005.D

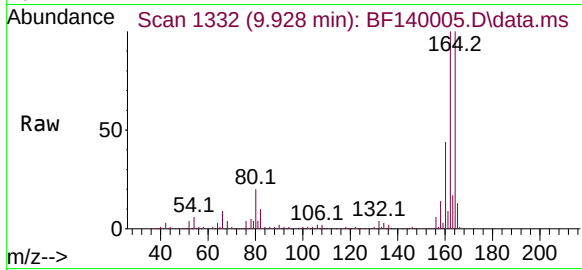
Acq: 24 Oct 2024 17:17

Instrument :

BNA\_F

ClientSampleId :

TP-1MSD



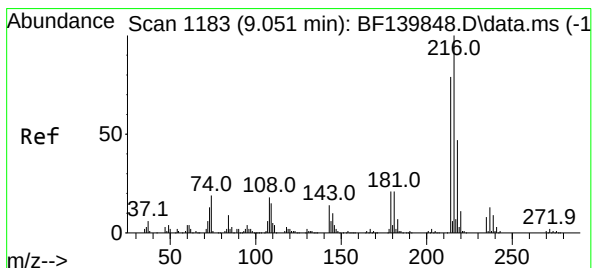
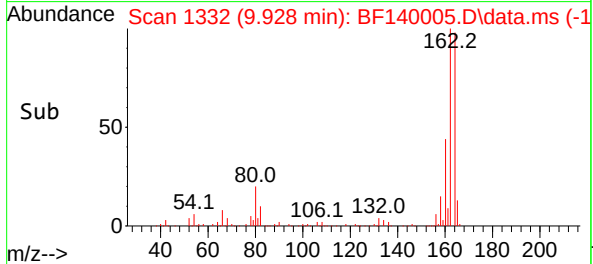
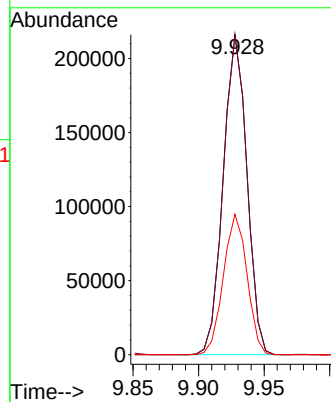
Tgt Ion:164 Resp: 271082

Ion Ratio Lower Upper

164 100

162 99.6 81.0 121.4

160 43.9 35.4 53.0



#40

1,2,4,5-Tetrachlorobenzene

Concen: 52.237 ng

RT: 9.051 min Scan# 1183

Delta R.T. 0.000 min

Lab File: BF140005.D

Acq: 24 Oct 2024 17:17

Tgt Ion:216 Resp: 382027

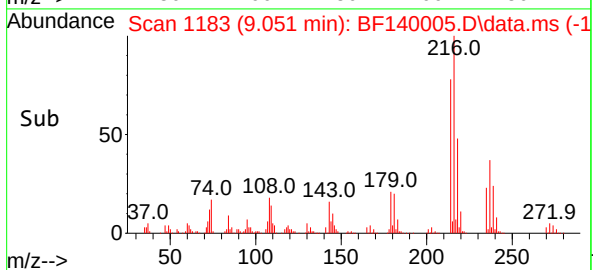
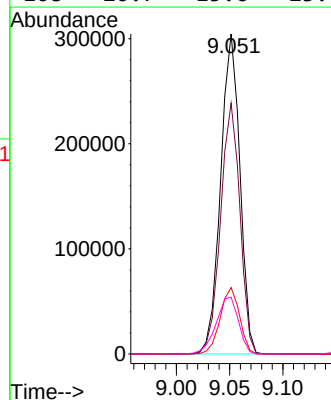
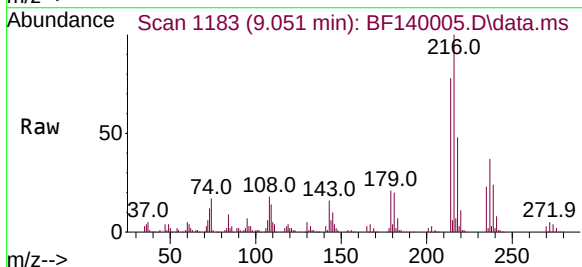
Ion Ratio Lower Upper

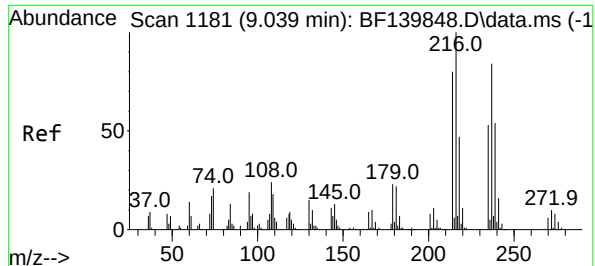
216 100

214 78.5 63.4 95.0

179 20.8 17.2 25.8

108 20.7 15.6 23.4

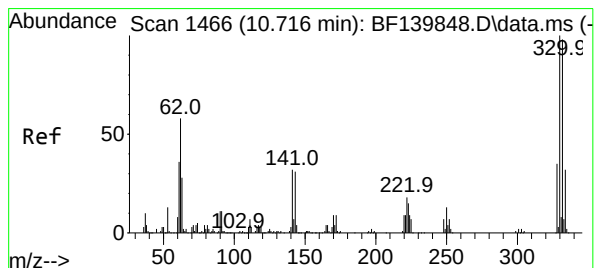
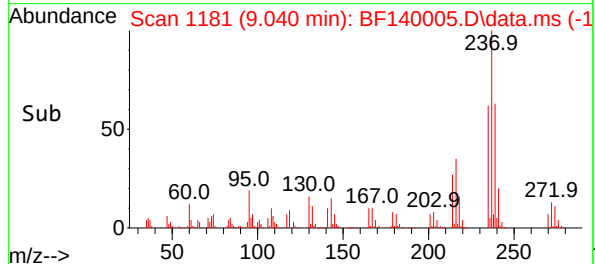
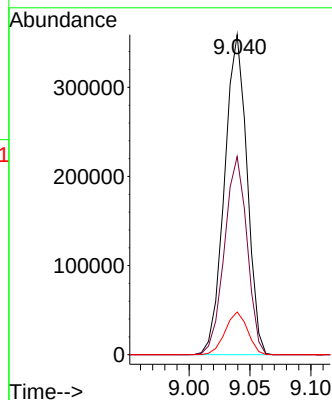
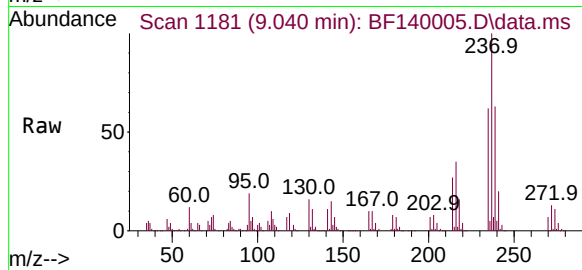




#41  
Hexachlorocyclopentadiene  
Concen: 181.825 ng  
RT: 9.040 min Scan# 1181  
Delta R.T. 0.000 min  
Lab File: BF140005.D  
Acq: 24 Oct 2024 17:17

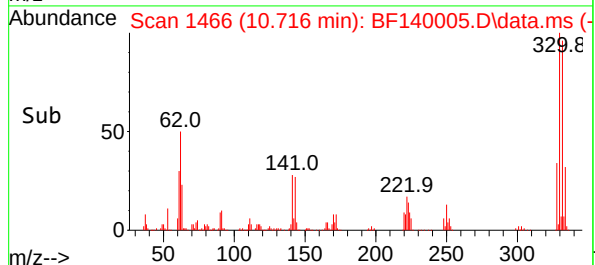
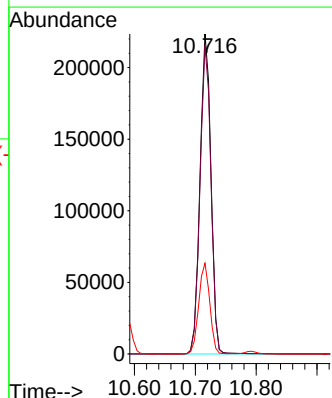
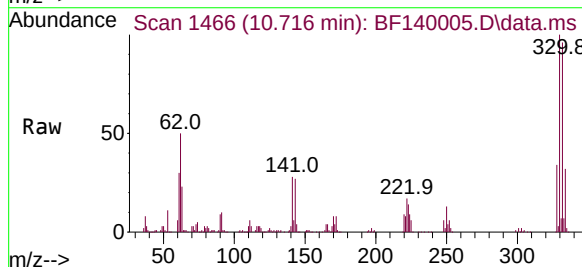
Instrument :  
BNA\_F  
ClientSampleId :  
TP-1MSD

Tgt Ion:237 Resp: 462690  
Ion Ratio Lower Upper  
237 100  
235 61.9 42.9 82.9  
272 13.4 0.0 32.3

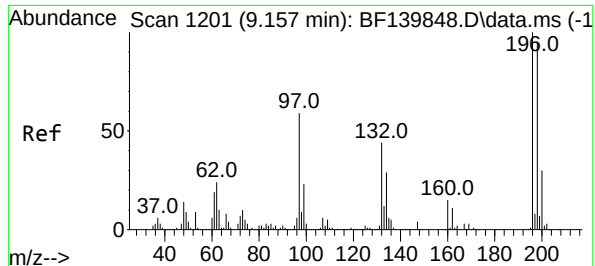


#42  
2,4,6-Tribromophenol  
Concen: 110.251 ng  
RT: 10.716 min Scan# 1466  
Delta R.T. 0.000 min  
Lab File: BF140005.D  
Acq: 24 Oct 2024 17:17

Tgt Ion:330 Resp: 279554  
Ion Ratio Lower Upper  
330 100  
332 96.2 78.1 117.1  
141 28.6 26.6 39.8







#43

2,4,6-Trichlorophenol

Concen: 54.192 ng

RT: 9.157 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF140005.D

Acq: 24 Oct 2024 17:17

Instrument :

BNA\_F

ClientSampleId :

TP-1MSD

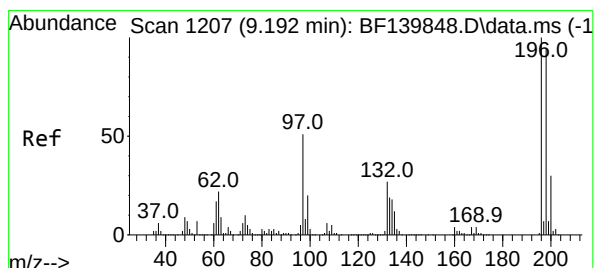
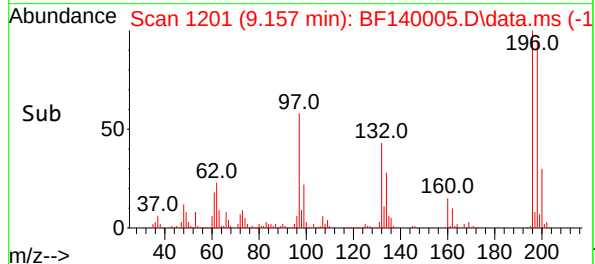
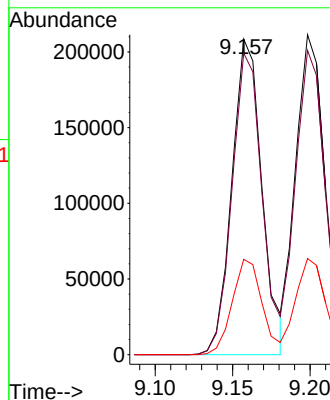
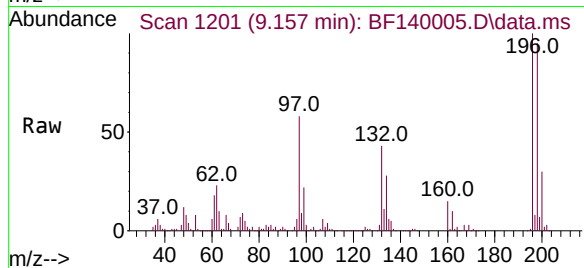
Tgt Ion:196 Resp: 280594

Ion Ratio Lower Upper

196 100

198 95.5 76.2 114.2

200 30.2 24.0 36.0



#44

2,4,5-Trichlorophenol

Concen: 51.817 ng

RT: 9.198 min Scan# 1208

Delta R.T. 0.006 min

Lab File: BF140005.D

Acq: 24 Oct 2024 17:17

Tgt Ion:196 Resp: 276809

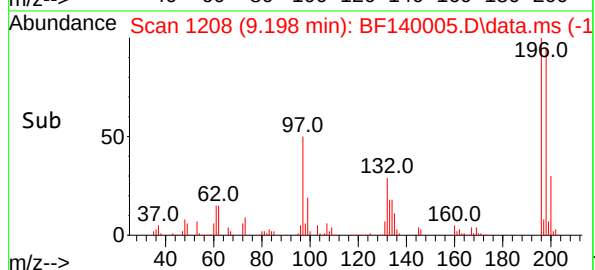
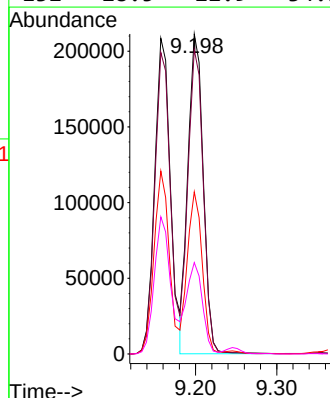
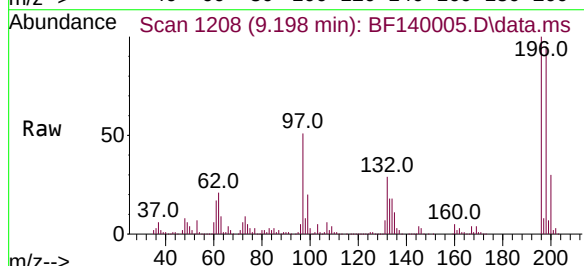
Ion Ratio Lower Upper

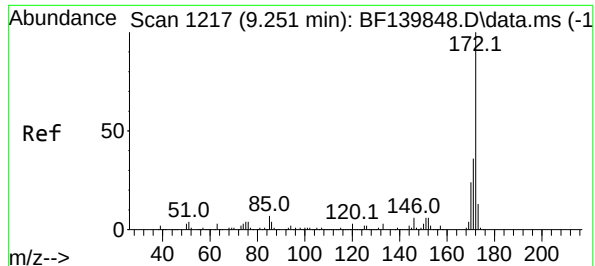
196 100

198 95.1 75.8 113.6

97 50.7 41.8 62.6

132 28.5 22.9 34.3





#45

2-Fluorobiphenyl

Concen: 68.247 ng

RT: 9.245 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF140005.D

Acq: 24 Oct 2024 17:17

Instrument :

BNA\_F

ClientSampleId :

TP-1MSD

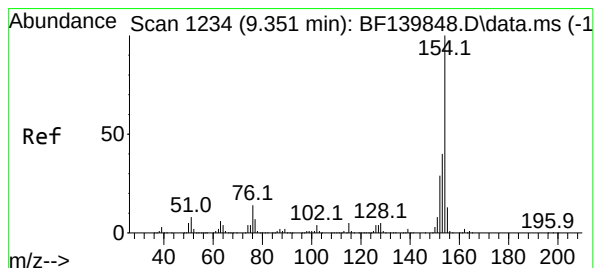
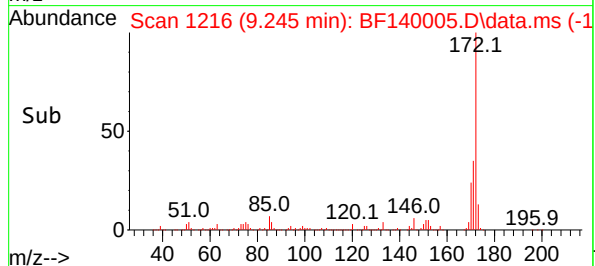
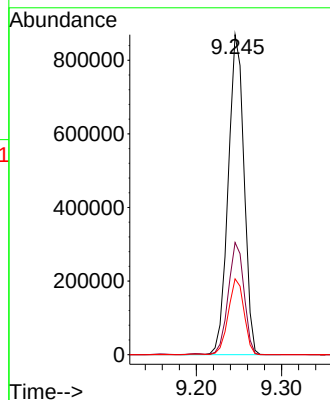
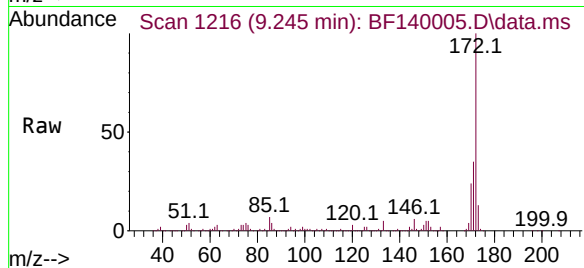
Tgt Ion:172 Resp: 1119419

Ion Ratio Lower Upper

172 100

171 35.1 28.6 43.0

170 23.7 19.1 28.7



#46

1,1'-Biphenyl

Concen: 50.954 ng

RT: 9.351 min Scan# 1234

Delta R.T. 0.000 min

Lab File: BF140005.D

Acq: 24 Oct 2024 17:17

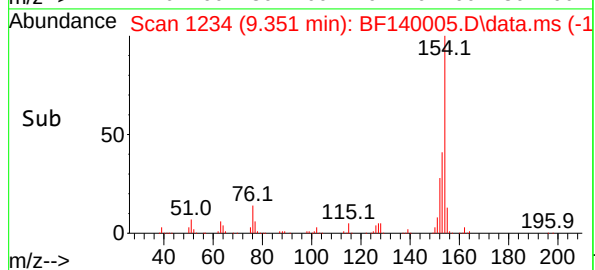
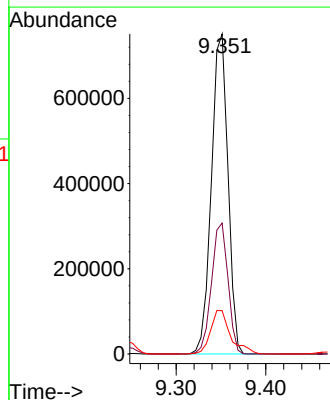
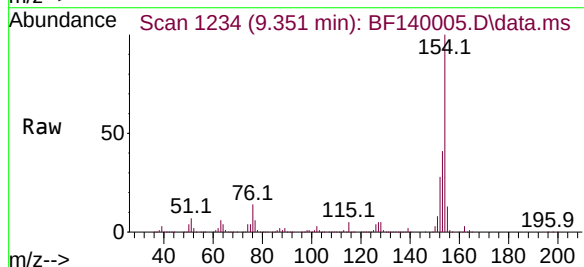
Tgt Ion:154 Resp: 961569

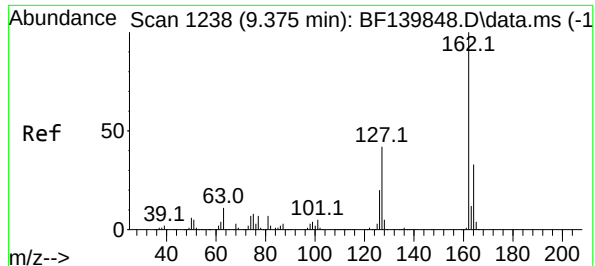
Ion Ratio Lower Upper

154 100

153 40.9 20.3 60.3

76 13.6 0.0 33.9





#47

2-Chloronaphthalene

Concen: 50.353 ng

RT: 9.375 min Scan# 1238

Delta R.T. 0.000 min

Lab File: BF140005.D

Acq: 24 Oct 2024 17:17

Instrument :

BNA\_F

ClientSampleId :

TP-1MSD

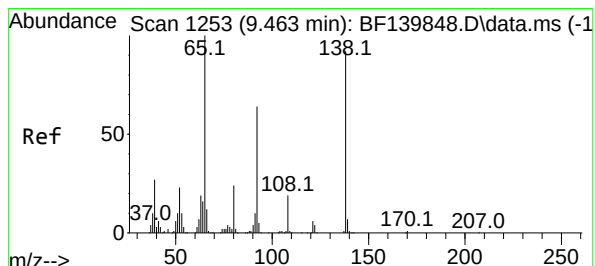
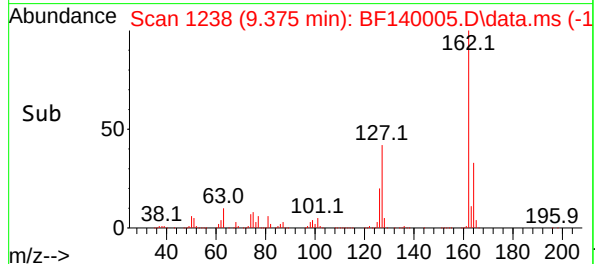
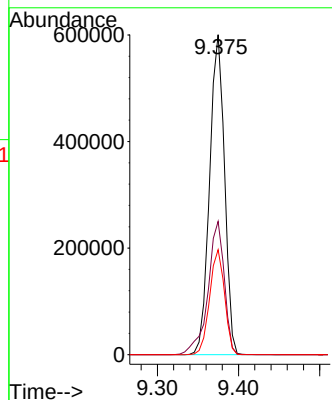
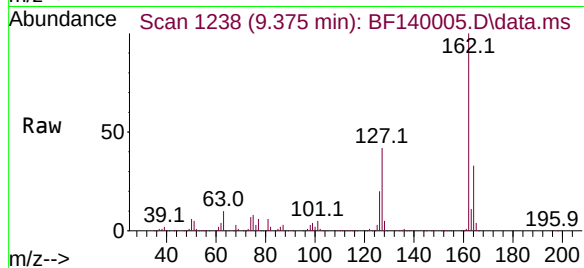
Tgt Ion:162 Resp: 765331

Ion Ratio Lower Upper

162 100

127 41.7 33.8 50.6

164 32.8 26.6 39.8



#48

2-Nitroaniline

Concen: 55.219 ng

RT: 9.469 min Scan# 1254

Delta R.T. 0.006 min

Lab File: BF140005.D

Acq: 24 Oct 2024 17:17

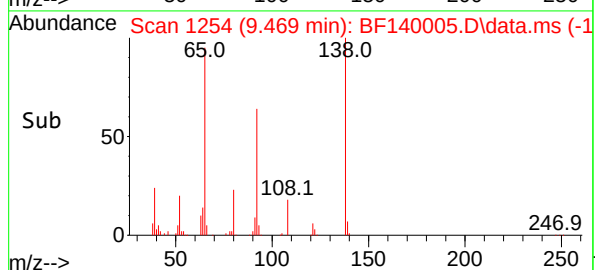
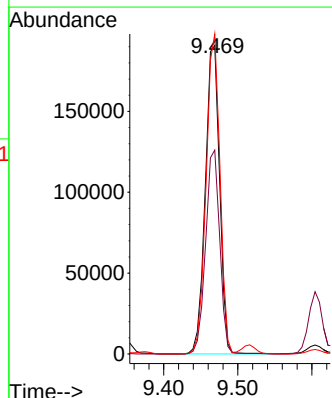
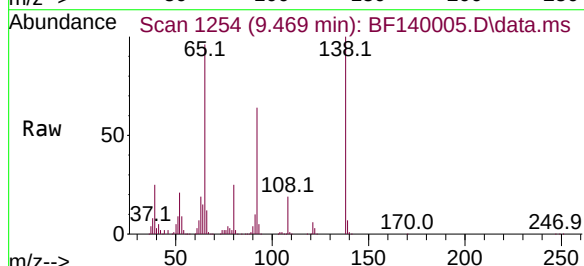
Tgt Ion: 65 Resp: 256691

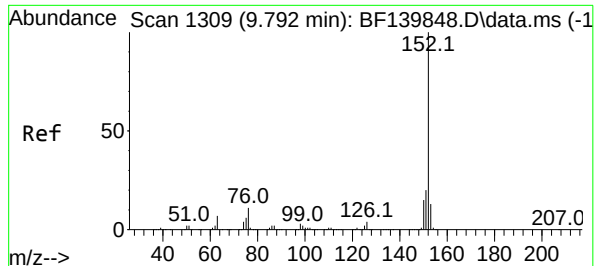
Ion Ratio Lower Upper

65 100

92 66.1 50.9 76.3

138 103.7 73.4 110.0





#49

Acenaphthylene

Concen: 54.203 ng

RT: 9.792 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF140005.D

Acq: 24 Oct 2024 17:17

Instrument :

BNA\_F

ClientSampleId :

TP-1MSD

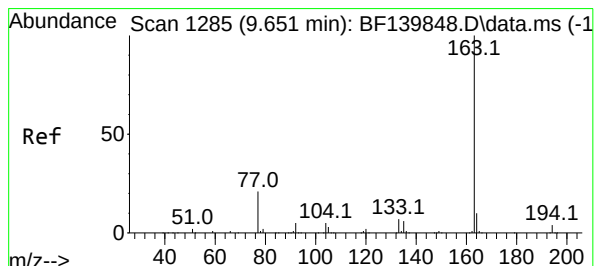
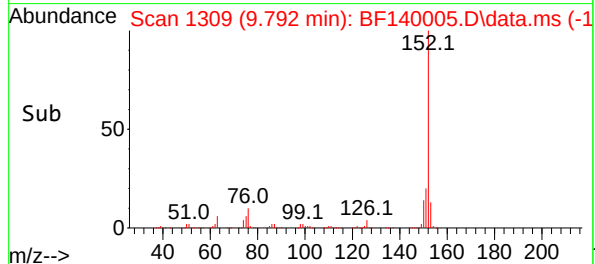
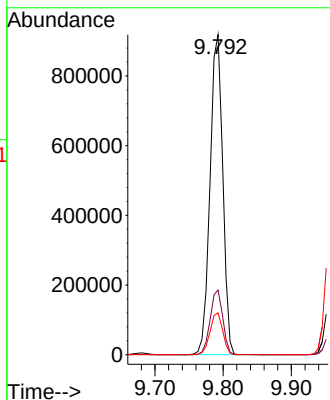
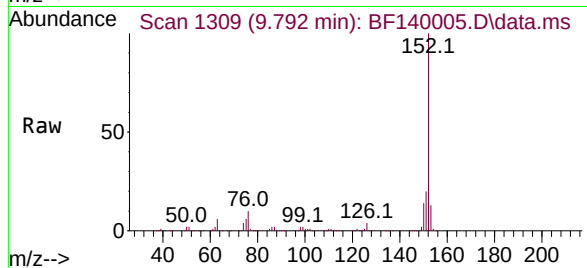
Tgt Ion:152 Resp: 1191031

Ion Ratio Lower Upper

152 100

151 20.2 15.9 23.9

153 13.1 10.7 16.1



#50

Dimethylphthalate

Concen: 52.777 ng

RT: 9.651 min Scan# 1285

Delta R.T. 0.000 min

Lab File: BF140005.D

Acq: 24 Oct 2024 17:17

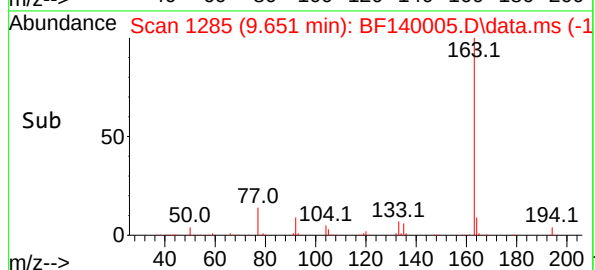
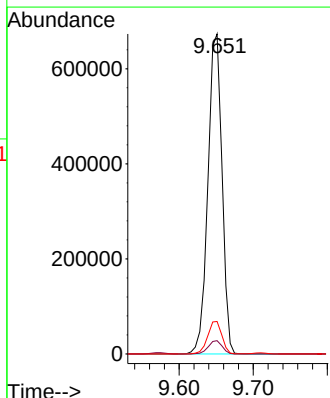
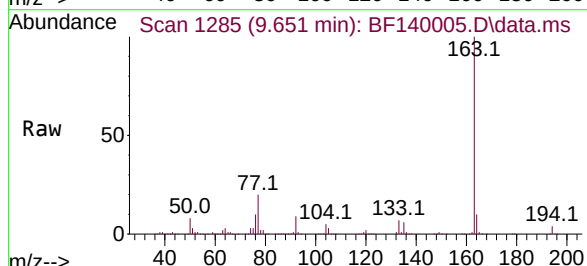
Tgt Ion:163 Resp: 891137

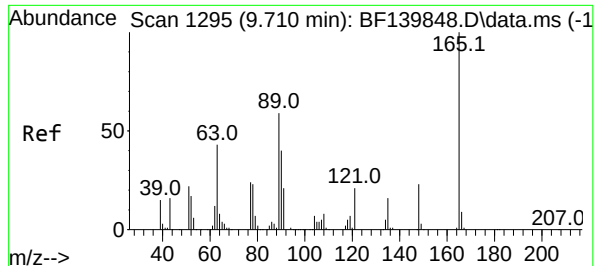
Ion Ratio Lower Upper

163 100

194 4.2 3.4 5.0

164 10.1 8.2 12.2





#51

2,6-Dinitrotoluene

Concen: 53.110 ng

RT: 9.710 min Scan# 1295

Delta R.T. 0.000 min

Lab File: BF140005.D

Acq: 24 Oct 2024 17:17

Instrument :

BNA\_F

ClientSampleId :

TP-1MSD

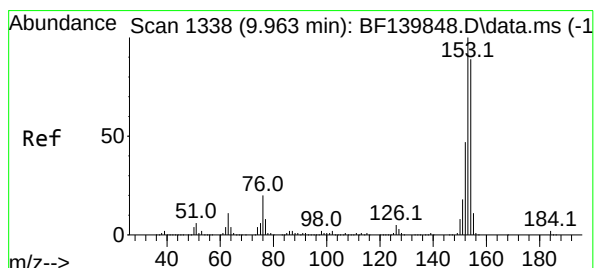
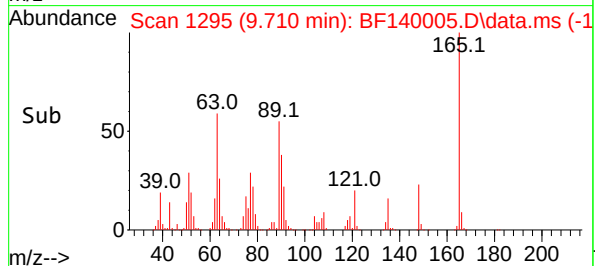
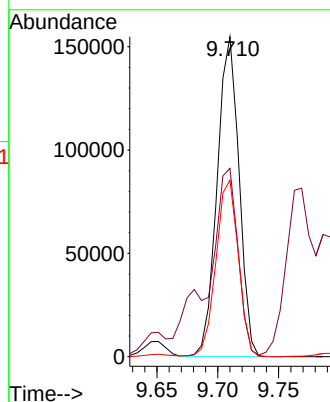
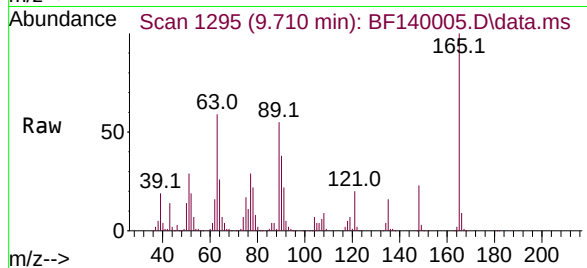
Tgt Ion:165 Resp: 194168

Ion Ratio Lower Upper

165 100

63 58.9 50.6 75.8

89 55.2 47.5 71.3



#52

Acenaphthene

Concen: 55.689 ng

RT: 9.963 min Scan# 1338

Delta R.T. 0.000 min

Lab File: BF140005.D

Acq: 24 Oct 2024 17:17

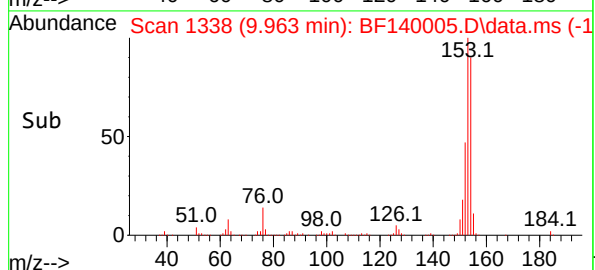
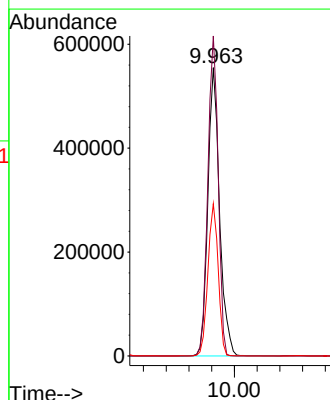
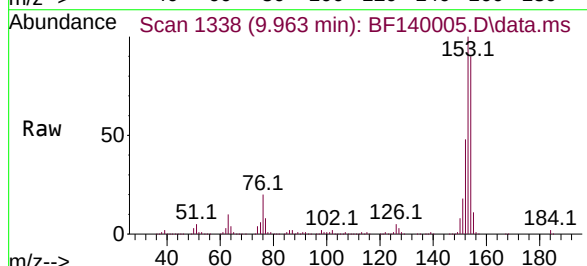
Tgt Ion:154 Resp: 791591

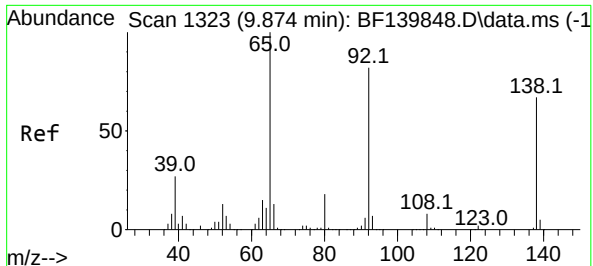
Ion Ratio Lower Upper

154 100

153 111.0 89.8 134.6

152 52.8 42.4 63.6





#53

3-Nitroaniline

Concen: 34.012 ng

RT: 9.875 min Scan# 1323

Delta R.T. 0.000 min

Lab File: BF140005.D

Acq: 24 Oct 2024 17:17

Instrument :

BNA\_F

ClientSampleId :

TP-1MSD

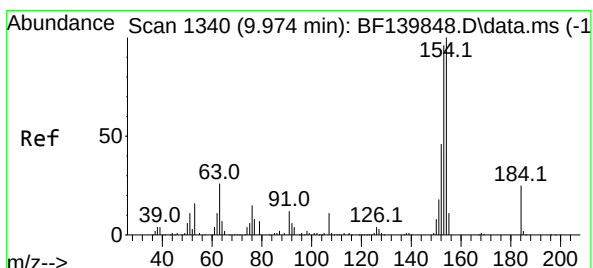
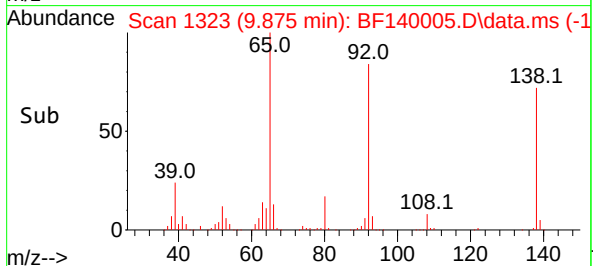
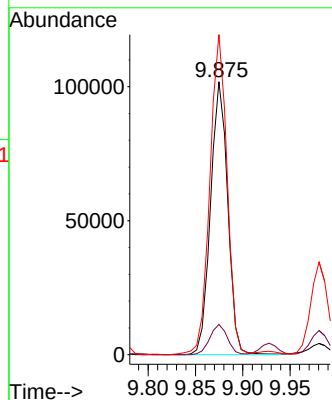
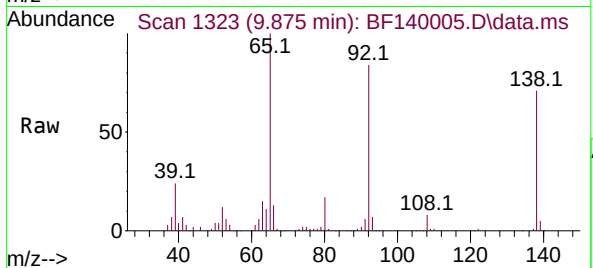
Tgt Ion:138 Resp: 128233

Ion Ratio Lower Upper

138 100

108 11.1 10.2 15.2

92 117.2 98.3 147.5



#54

2,4-Dinitrophenol

Concen: 109.339 ng

RT: 9.981 min Scan# 1341

Delta R.T. 0.007 min

Lab File: BF140005.D

Acq: 24 Oct 2024 17:17

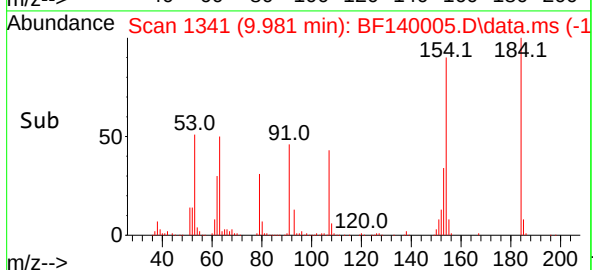
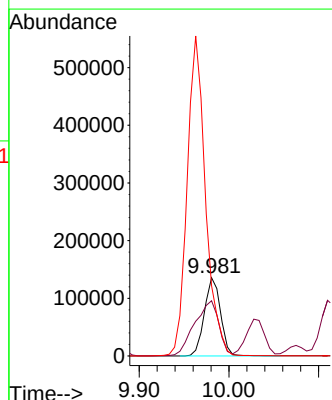
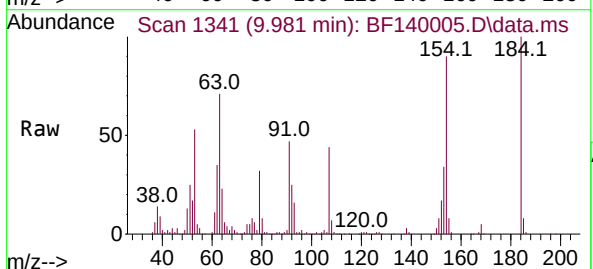
Tgt Ion:184 Resp: 170043

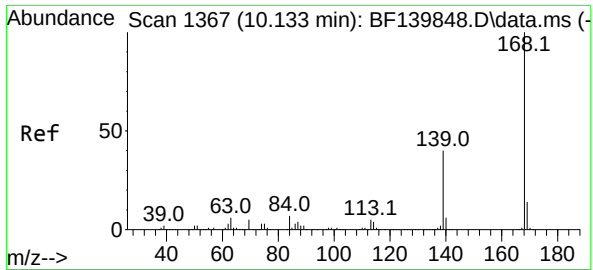
Ion Ratio Lower Upper

184 100

63 70.6 84.7 127.1#

154 89.9 338.2 507.2#





#55

Dibenzofuran

Concen: 50.937 ng

RT: 10.134 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF140005.D

Acq: 24 Oct 2024 17:17

Instrument :

BNA\_F

ClientSampleId :

TP-1MSD

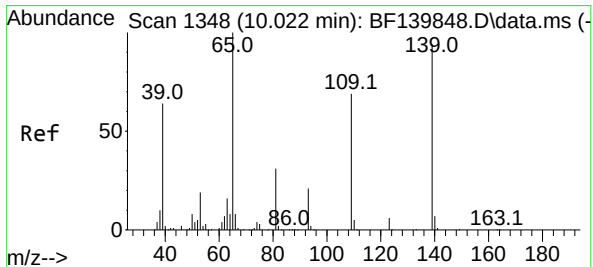
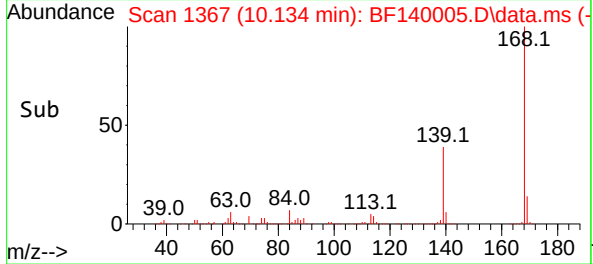
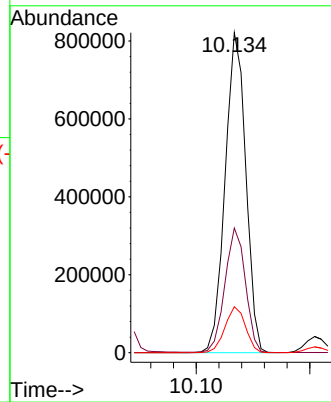
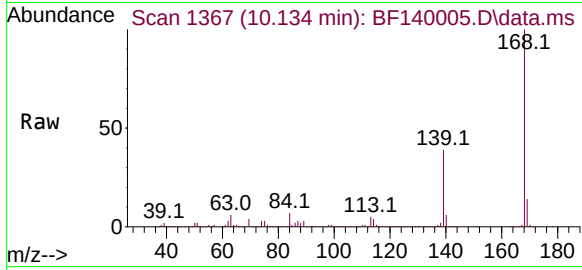
Tgt Ion:168 Resp: 1038826

Ion Ratio Lower Upper

168 100

139 39.0 31.8 47.6

169 14.4 11.6 17.4



#56

4-Nitrophenol

Concen: 103.705 ng

RT: 10.034 min Scan# 1350

Delta R.T. 0.012 min

Lab File: BF140005.D

Acq: 24 Oct 2024 17:17

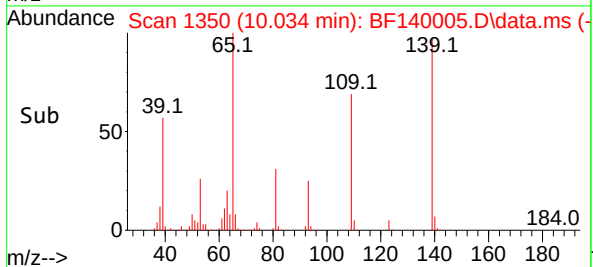
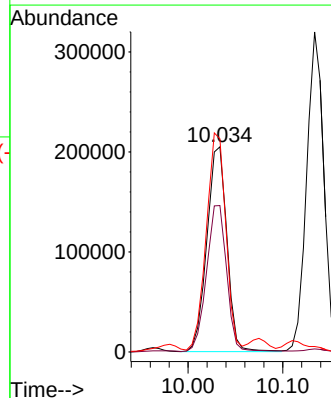
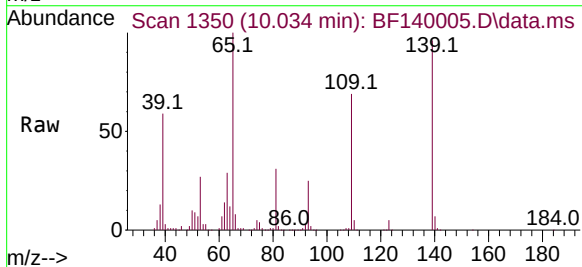
Tgt Ion:139 Resp: 300808

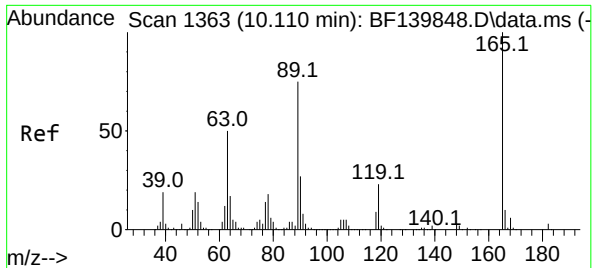
Ion Ratio Lower Upper

139 100

109 71.4 53.6 93.6

65 104.0 87.8 127.8

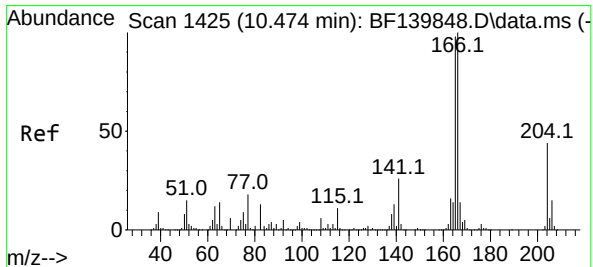
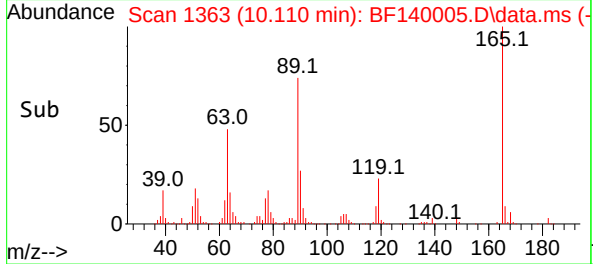
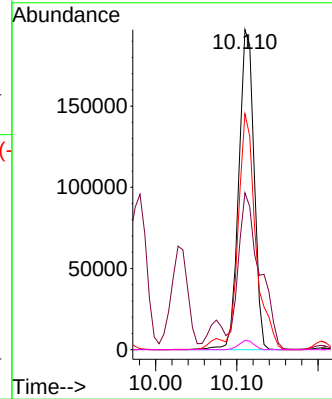
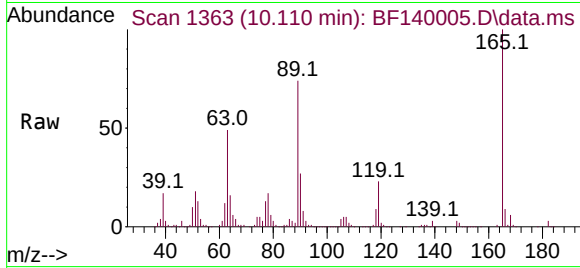




#57  
2,4-Dinitrotoluene  
Concen: 57.034 ng  
RT: 10.110 min Scan# 1363  
Delta R.T. 0.000 min  
Lab File: BF140005.D  
Acq: 24 Oct 2024 17:17

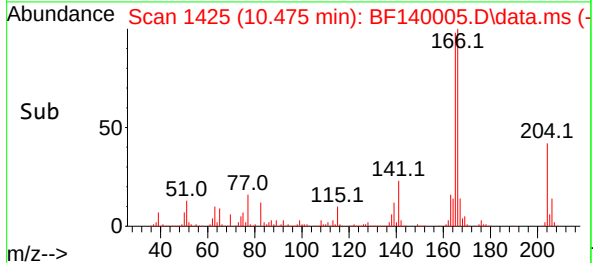
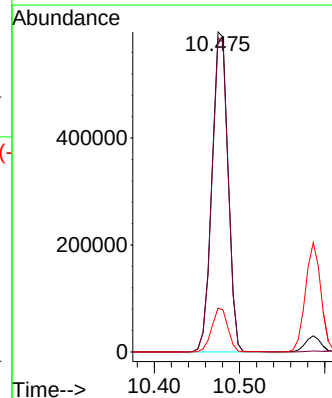
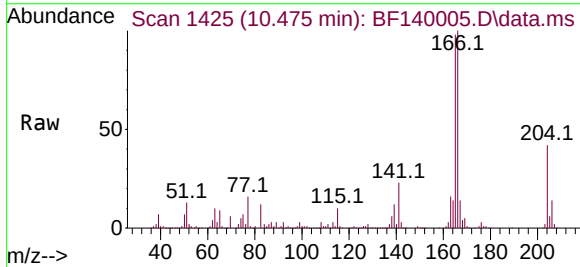
Instrument :  
BNA\_F  
ClientSampleId :  
TP-1MSD

Tgt Ion:165 Resp: 256418  
Ion Ratio Lower Upper  
165 100  
63 49.0 40.1 60.1  
89 73.7 60.4 90.6  
182 2.9 2.0 3.0

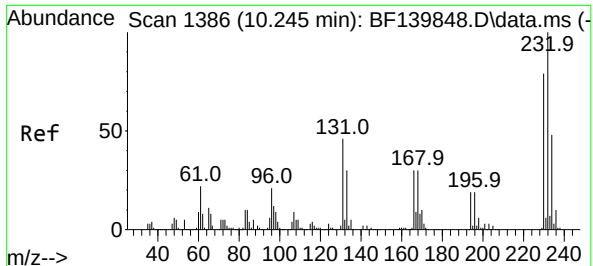


#58  
Fluorene  
Concen: 50.624 ng  
RT: 10.475 min Scan# 1425  
Delta R.T. 0.000 min  
Lab File: BF140005.D  
Acq: 24 Oct 2024 17:17

Tgt Ion:166 Resp: 786374  
Ion Ratio Lower Upper  
166 100  
165 98.2 78.5 117.7  
167 13.7 10.9 16.3



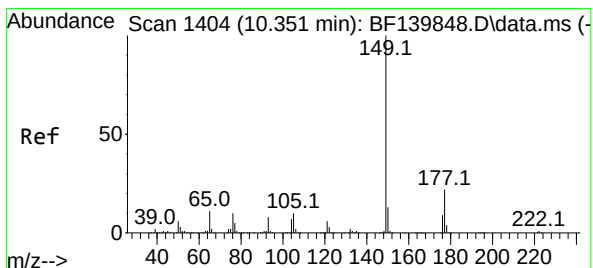
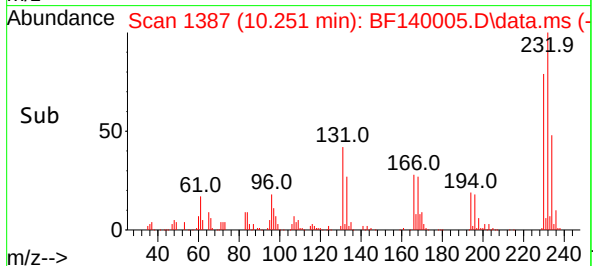
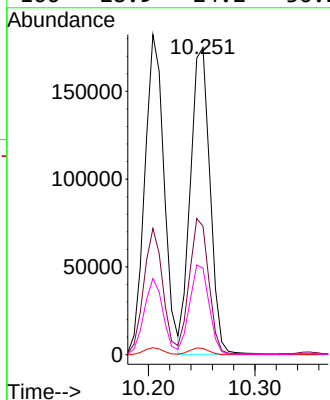
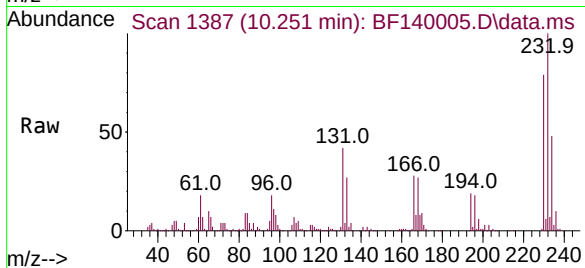




#59  
2,3,4,6-Tetrachlorophenol  
Concen: 53.349 ng  
RT: 10.251 min Scan# 1387  
Delta R.T. 0.006 min  
Lab File: BF140005.D  
Acq: 24 Oct 2024 17:17

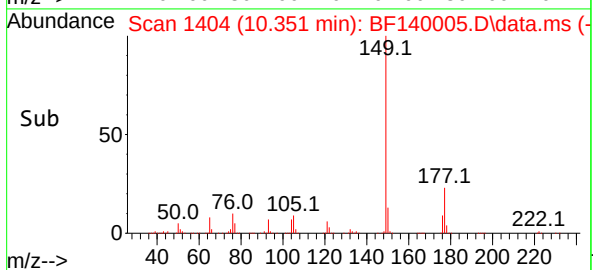
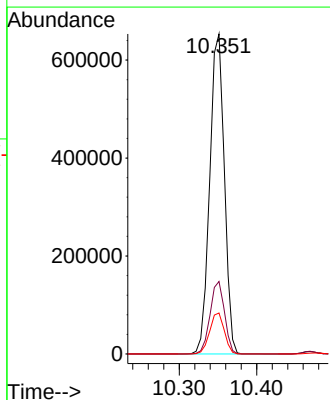
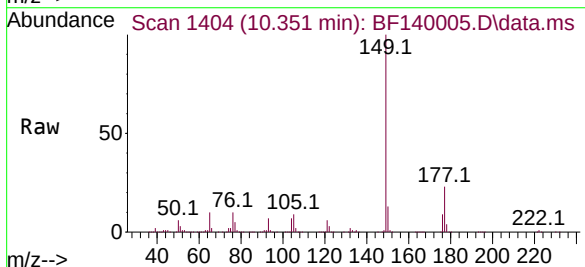
Instrument :  
BNA\_F  
ClientSampleId :  
TP-1MSD

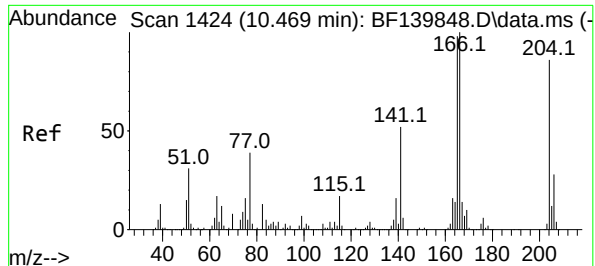
Tgt Ion:232 Resp: 223414  
Ion Ratio Lower Upper  
232 100  
131 44.0 37.0 55.6  
130 2.2 1.9 2.9  
166 28.9 24.2 36.2



#60  
Diethylphthalate  
Concen: 51.633 ng  
RT: 10.351 min Scan# 1404  
Delta R.T. 0.000 min  
Lab File: BF140005.D  
Acq: 24 Oct 2024 17:17

Tgt Ion:149 Resp: 856016  
Ion Ratio Lower Upper  
149 100  
177 22.7 17.9 26.9  
150 12.8 10.1 15.1

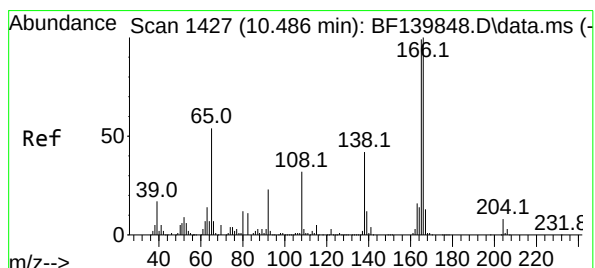
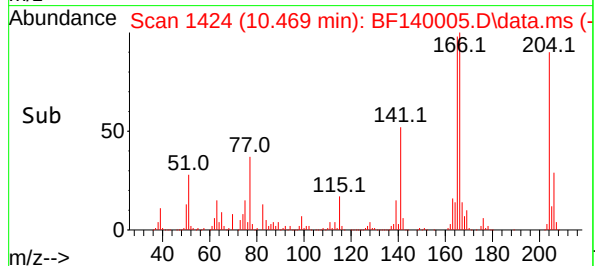
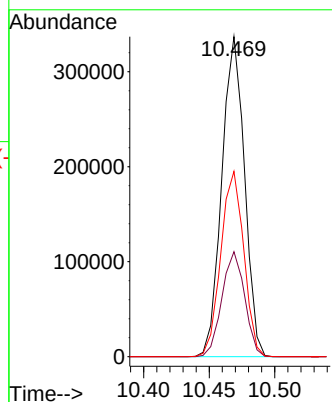
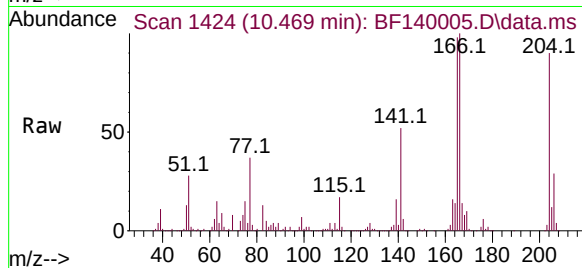




#61  
4-Chlorophenyl-phenylether  
Concen: 51.665 ng  
RT: 10.469 min Scan# 1424  
Delta R.T. 0.000 min  
Lab File: BF140005.D  
Acq: 24 Oct 2024 17:17

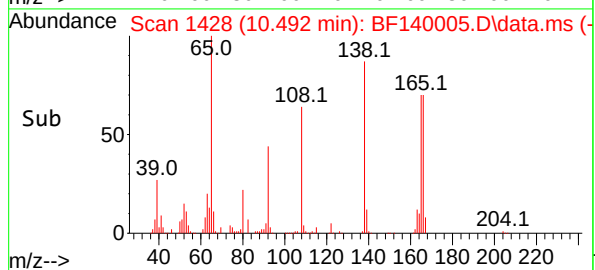
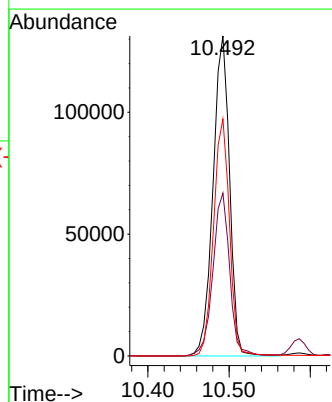
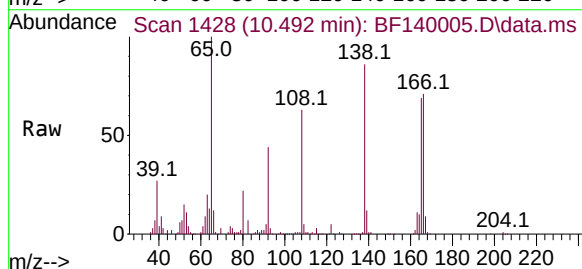
Instrument :  
BNA\_F  
ClientSampleId :  
TP-1MSD

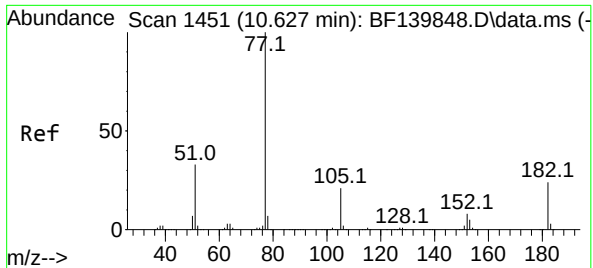
Tgt Ion:204 Resp: 405285  
Ion Ratio Lower Upper  
204 100  
206 32.8 26.3 39.5  
141 57.9 48.6 73.0



#62  
4-Nitroaniline  
Concen: 52.272 ng  
RT: 10.492 min Scan# 1428  
Delta R.T. 0.006 min  
Lab File: BF140005.D  
Acq: 24 Oct 2024 17:17

Tgt Ion:138 Resp: 186131  
Ion Ratio Lower Upper  
138 100  
92 50.9 35.7 75.7  
108 74.0 57.5 97.5

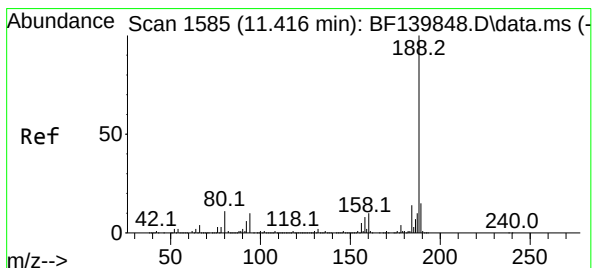
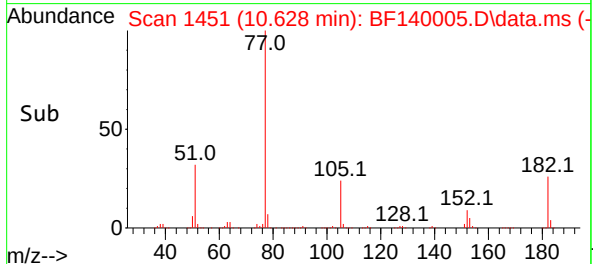
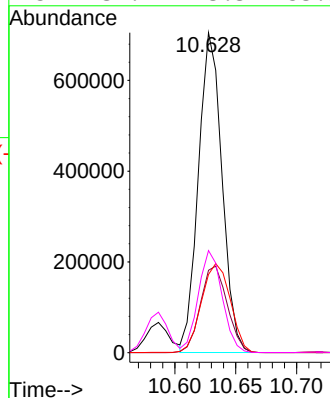
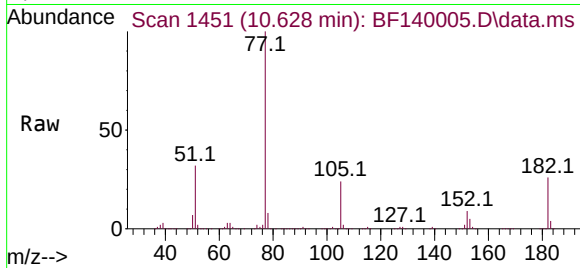




#63  
Azobenzene  
Concen: 54.021 ng  
RT: 10.628 min Scan# 1451  
Delta R.T. 0.000 min  
Lab File: BF140005.D  
Acq: 24 Oct 2024 17:17

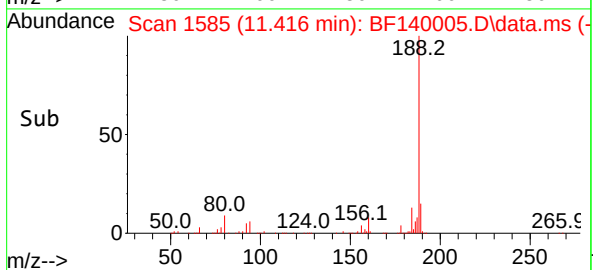
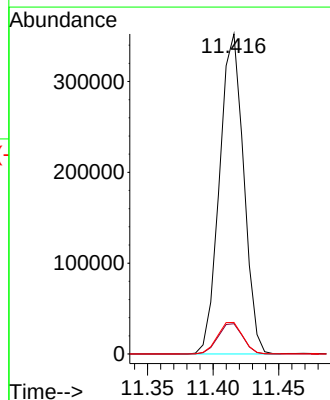
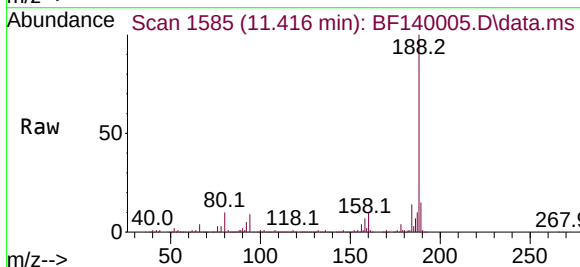
Instrument :  
BNA\_F  
ClientSampleId :  
TP-1MSD

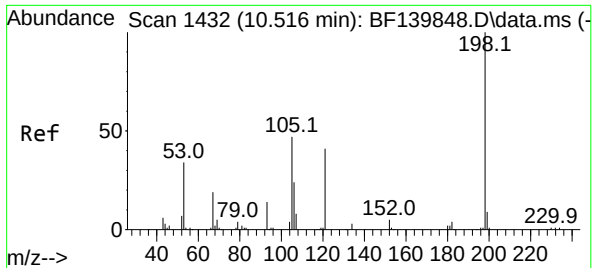
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 182     | 25.7  | 3.3   | 43.3  |
| 105     | 24.4  | 1.2   | 41.2  |
| 51      | 31.9  | 13.3  | 53.3  |



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.416 min Scan# 1585  
Delta R.T. 0.000 min  
Lab File: BF140005.D  
Acq: 24 Oct 2024 17:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 9.5   | 7.9   | 11.9  |
| 80      | 9.9   | 9.0   | 13.4  |

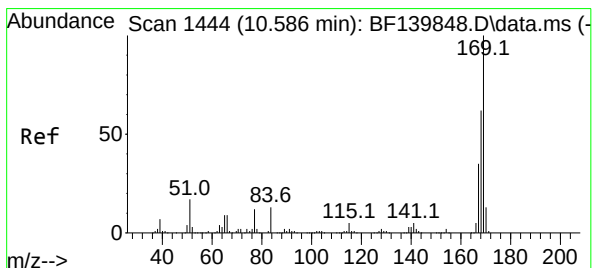
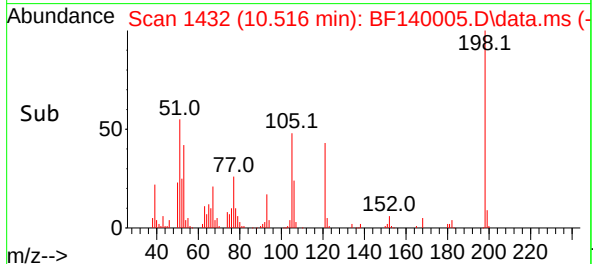
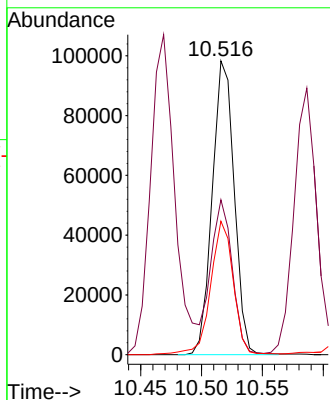
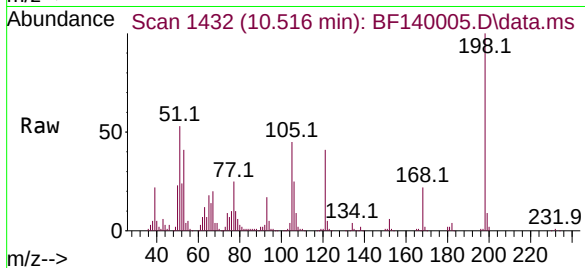




#65  
4,6-Dinitro-2-methylphenol  
Concen: 67.159 ng  
RT: 10.516 min Scan# 1432  
Delta R.T. -0.000 min  
Lab File: BF140005.D  
Acq: 24 Oct 2024 17:17

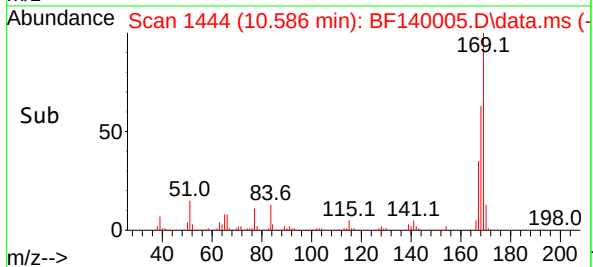
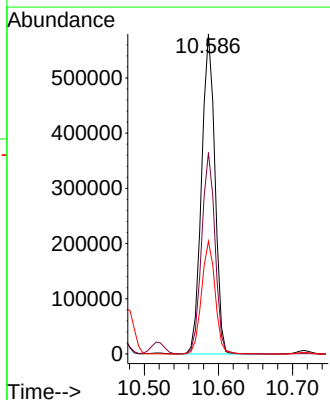
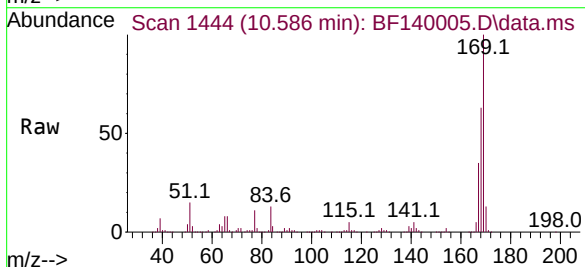
Instrument :  
BNA\_F  
ClientSampleId :  
TP-1MSD

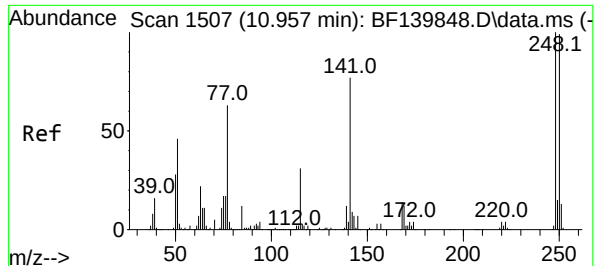
Tgt Ion:198 Resp: 123475  
Ion Ratio Lower Upper  
198 100  
51 52.7 38.2 78.2  
105 45.4 27.9 67.9



#66  
n-Nitrosodiphenylamine  
Concen: 53.789 ng  
RT: 10.586 min Scan# 1444  
Delta R.T. 0.000 min  
Lab File: BF140005.D  
Acq: 24 Oct 2024 17:17

Tgt Ion:169 Resp: 725635  
Ion Ratio Lower Upper  
169 100  
168 62.9 49.8 74.6  
167 35.2 28.0 42.0

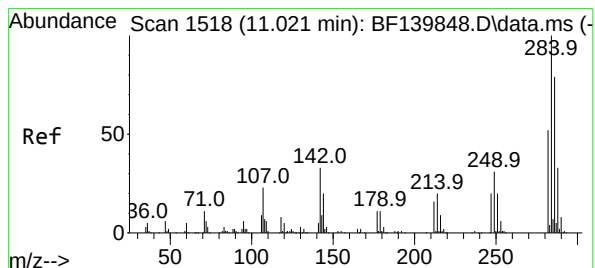
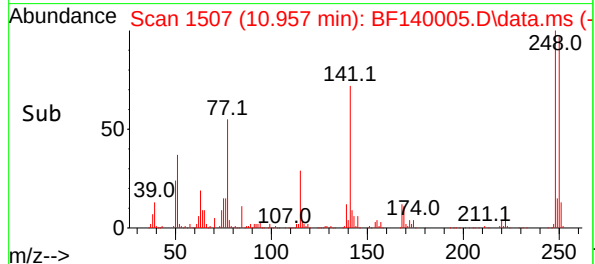
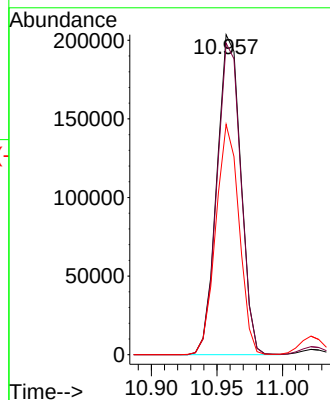
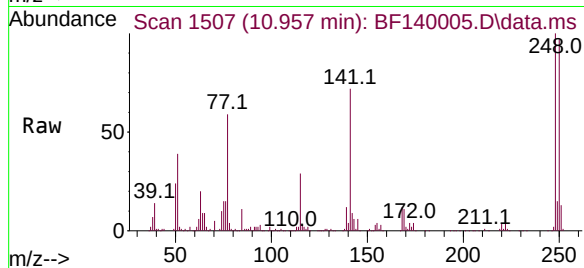




#67  
4-Bromophenyl-phenylether  
Concen: 55.657 ng  
RT: 10.957 min Scan# 1507  
Delta R.T. 0.000 min  
Lab File: BF140005.D  
Acq: 24 Oct 2024 17:17

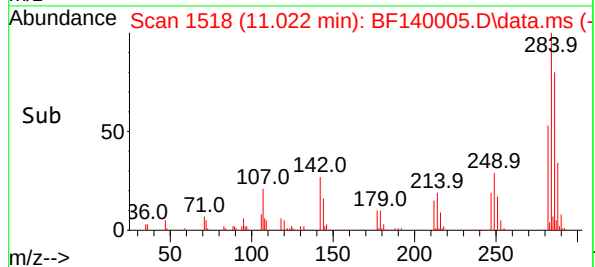
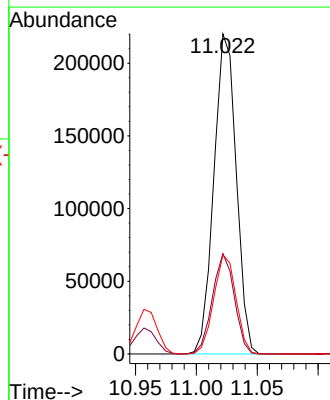
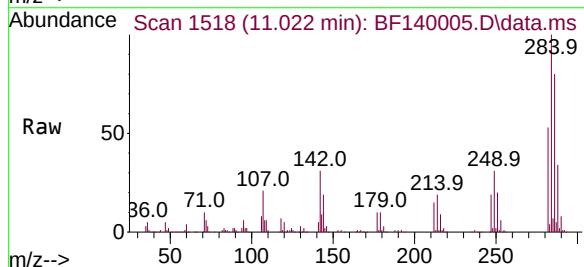
Instrument :  
BNA\_F  
ClientSampleId :  
TP-1MSD

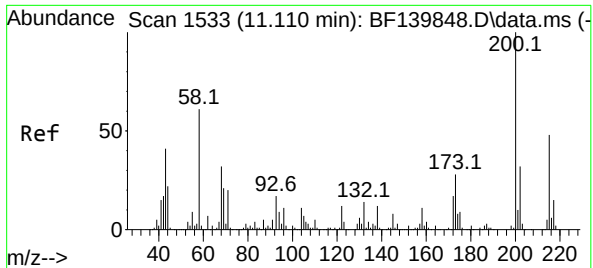
Tgt Ion:248 Resp: 258439  
Ion Ratio Lower Upper  
248 100  
250 97.4 79.0 118.6  
141 71.9 61.7 92.5



#68  
Hexachlorobenzene  
Concen: 53.868 ng  
RT: 11.022 min Scan# 1518  
Delta R.T. 0.000 min  
Lab File: BF140005.D  
Acq: 24 Oct 2024 17:17

Tgt Ion:284 Resp: 281314  
Ion Ratio Lower Upper  
284 100  
142 31.3 26.9 40.3  
249 30.9 25.3 37.9





#69

Atrazine

Concen: 65.607 ng

RT: 11.110 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF140005.D

Acq: 24 Oct 2024 17:17

Instrument :

BNA\_F

ClientSampleId :

TP-1MSD

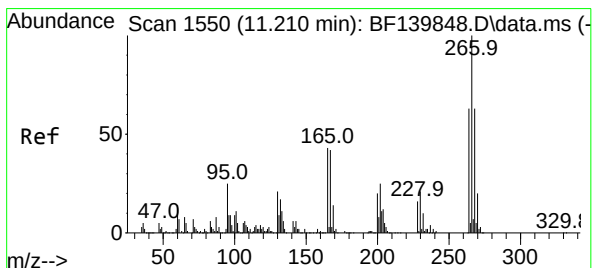
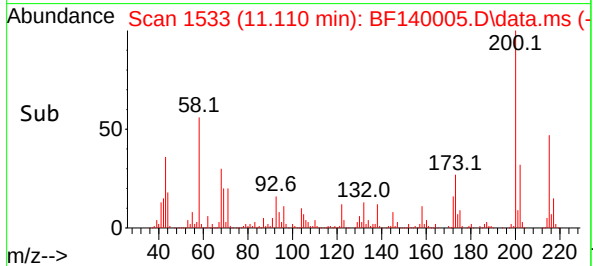
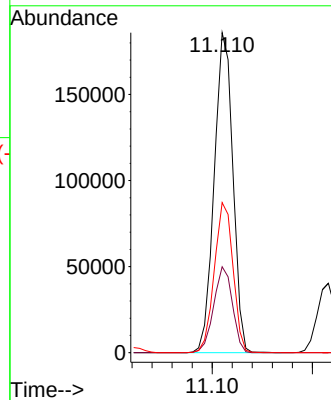
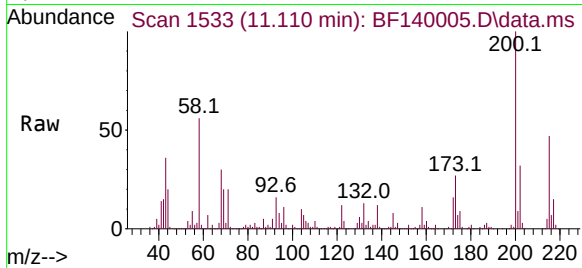
Tgt Ion:200 Resp: 239754

Ion Ratio Lower Upper

200 100

173 26.9 7.7 47.7

215 46.9 27.7 67.7



#70

Pentachlorophenol

Concen: 94.554 ng

RT: 11.216 min Scan# 1551

Delta R.T. 0.006 min

Lab File: BF140005.D

Acq: 24 Oct 2024 17:17

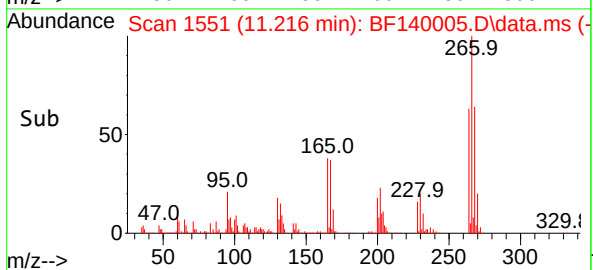
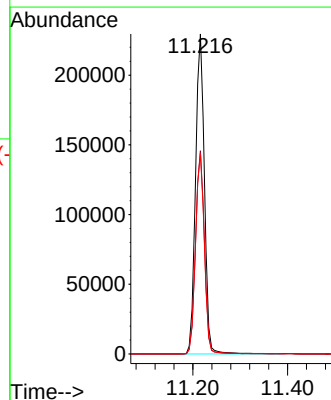
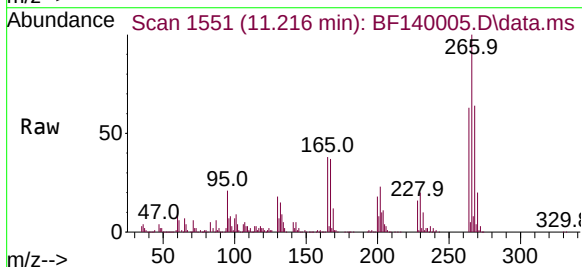
Tgt Ion:266 Resp: 299684

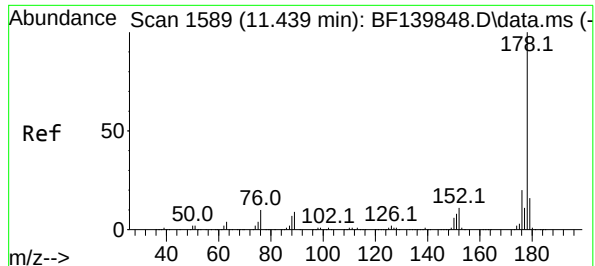
Ion Ratio Lower Upper

266 100

268 63.5 50.4 75.6

264 62.8 50.6 75.8





#71

Phenanthrene

Concen: 51.902 ng

RT: 11.439 min Scan# 1589

Delta R.T. 0.000 min

Lab File: BF140005.D

Acq: 24 Oct 2024 17:17

Instrument :

BNA\_F

ClientSampleId :

TP-1MSD

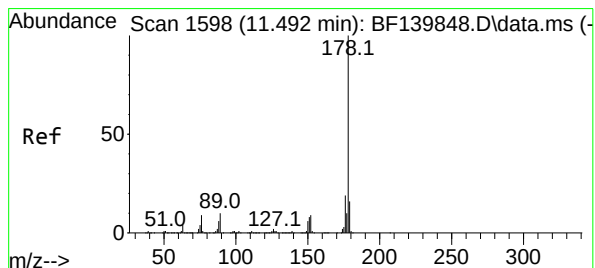
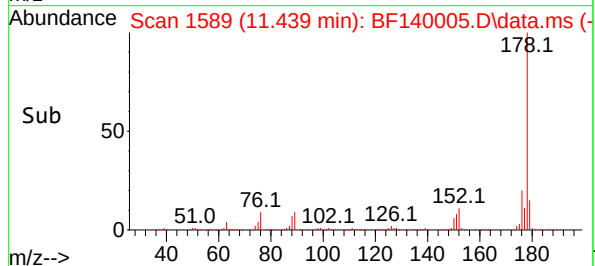
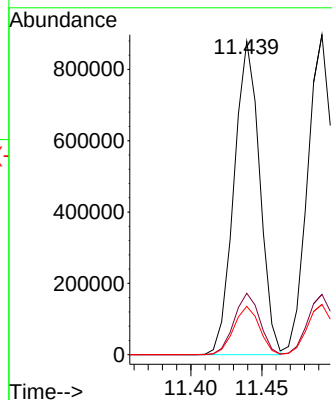
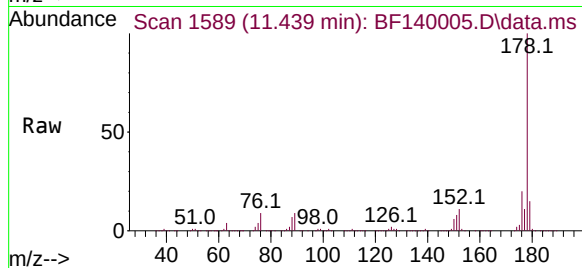
Tgt Ion:178 Resp: 1105042

Ion Ratio Lower Upper

178 100

176 19.6 15.8 23.6

179 15.5 12.6 18.8



#72

Anthracene

Concen: 54.119 ng

RT: 11.492 min Scan# 1598

Delta R.T. 0.000 min

Lab File: BF140005.D

Acq: 24 Oct 2024 17:17

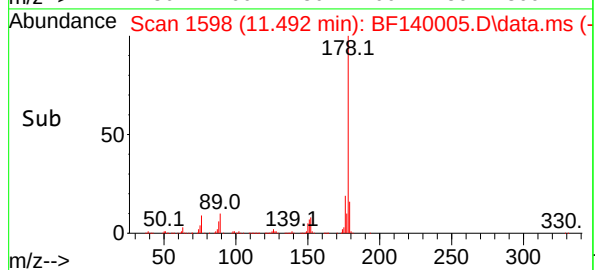
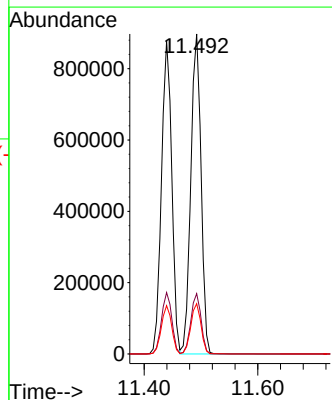
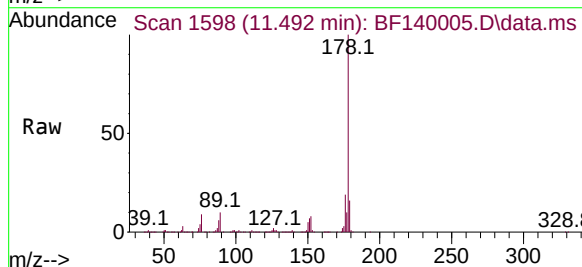
Tgt Ion:178 Resp: 1124220

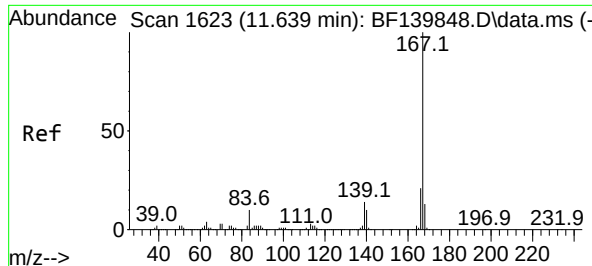
Ion Ratio Lower Upper

178 100

176 18.8 15.3 22.9

179 15.7 12.4 18.6





#73

Carbazole

Concen: 48.017 ng

RT: 11.645 min Scan# 1623

Delta R.T. 0.006 min

Lab File: BF140005.D

Acq: 24 Oct 2024 17:17

Instrument :

BNA\_F

ClientSampleId :

TP-1MSD

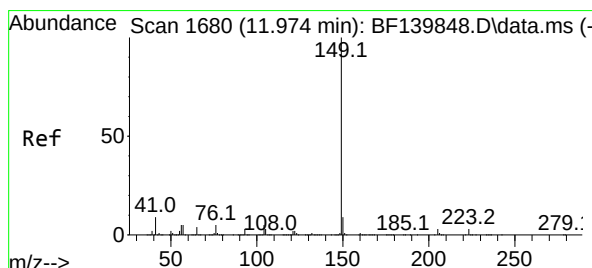
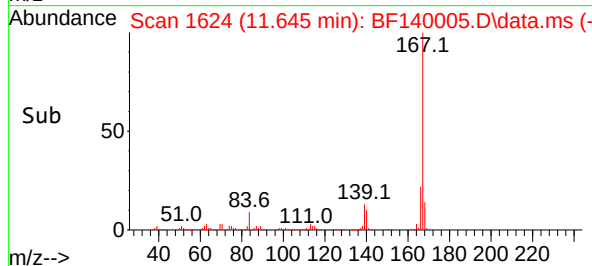
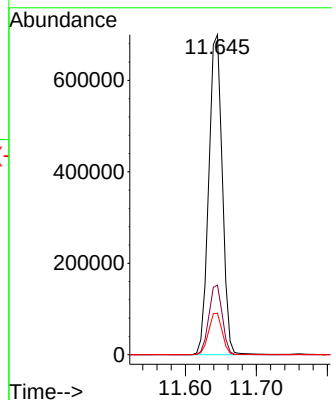
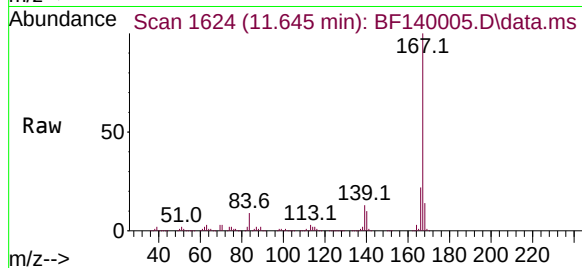
Tgt Ion:167 Resp: 927677

Ion Ratio Lower Upper

167 100

166 21.8 17.0 25.6

139 13.0 10.8 16.2



#74

Di-n-butylphthalate

Concen: 54.987 ng

RT: 11.975 min Scan# 1680

Delta R.T. 0.000 min

Lab File: BF140005.D

Acq: 24 Oct 2024 17:17

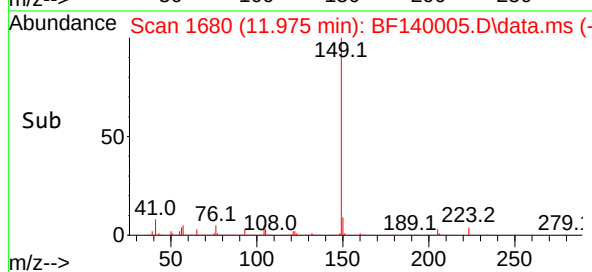
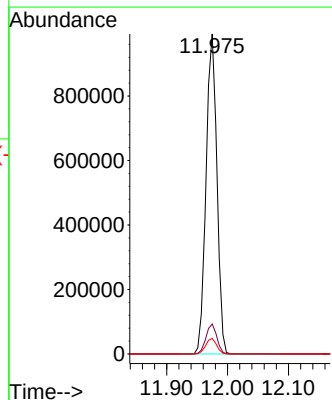
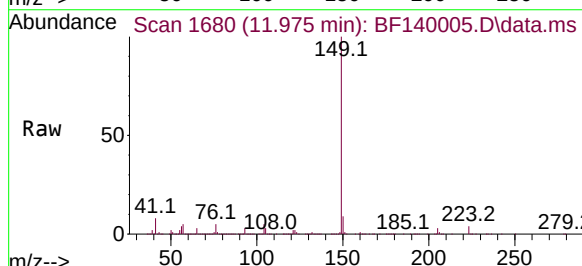
Tgt Ion:149 Resp: 1227353

Ion Ratio Lower Upper

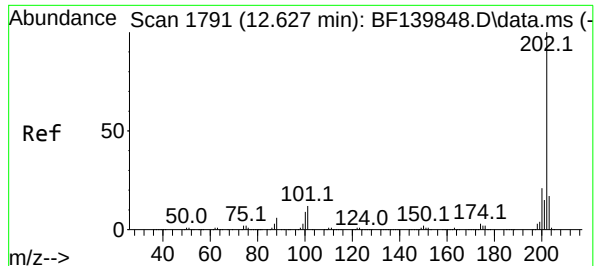
149 100

150 9.3 7.5 11.3

104 4.8 4.1 6.1







#75

Fluoranthene

Concen: 45.817 ng

RT: 12.628 min Scan# 1791

Delta R.T. 0.000 min

Lab File: BF140005.D

Acq: 24 Oct 2024 17:17

Instrument :

BNA\_F

ClientSampleId :

TP-1MSD

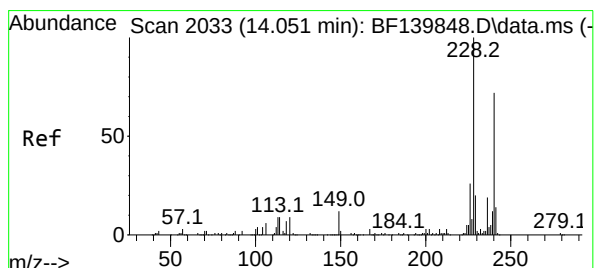
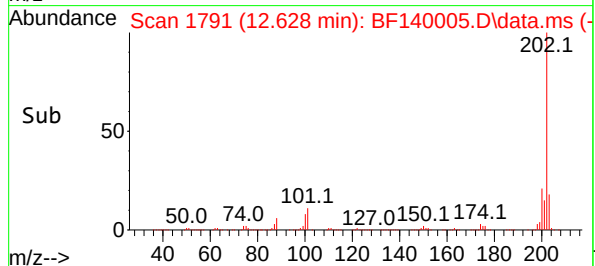
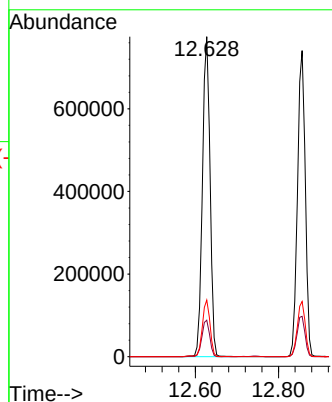
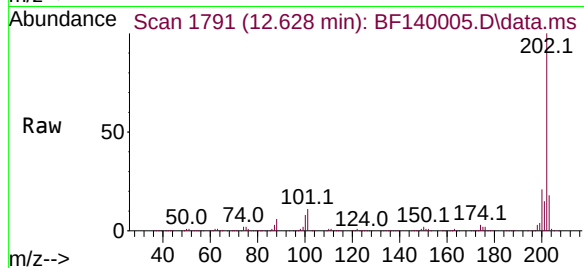
Tgt Ion:202 Resp: 986151

Ion Ratio Lower Upper

202 100

101 11.4 0.0 31.9

203 17.7 0.0 37.5



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.051 min Scan# 2033

Delta R.T. 0.000 min

Lab File: BF140005.D

Acq: 24 Oct 2024 17:17

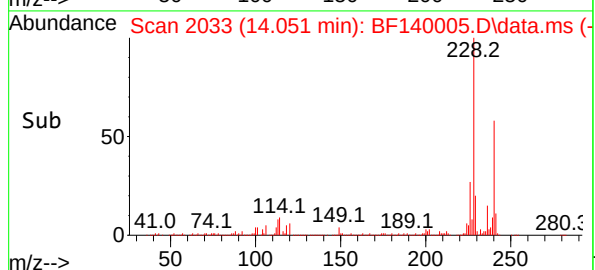
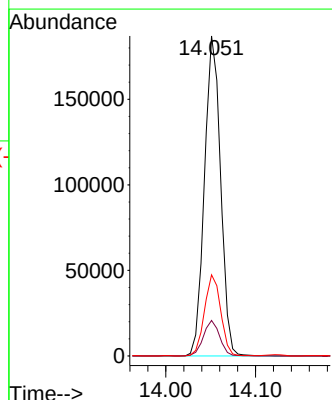
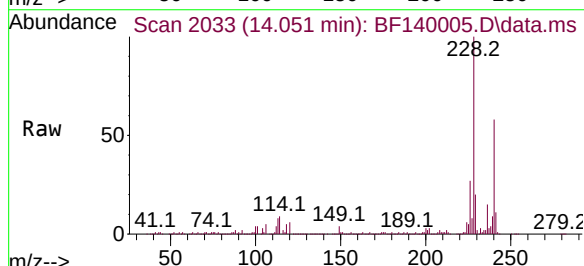
Tgt Ion:240 Resp: 233244

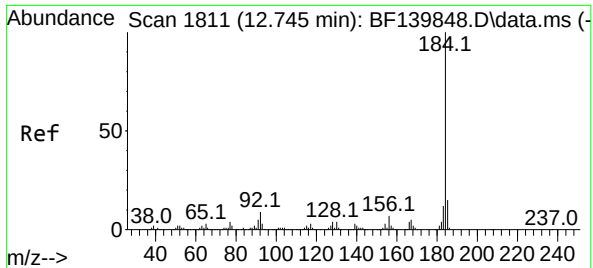
Ion Ratio Lower Upper

240 100

120 11.1 9.4 14.2

236 25.3 20.9 31.3

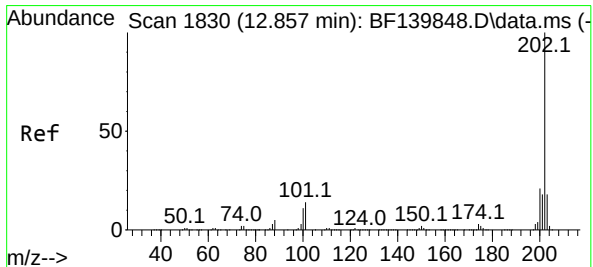
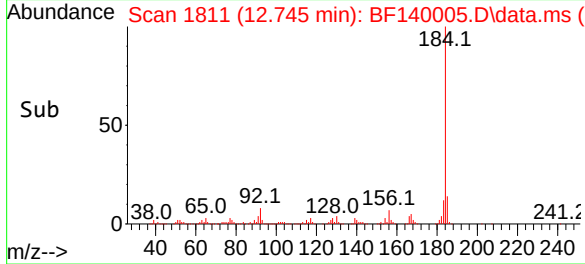
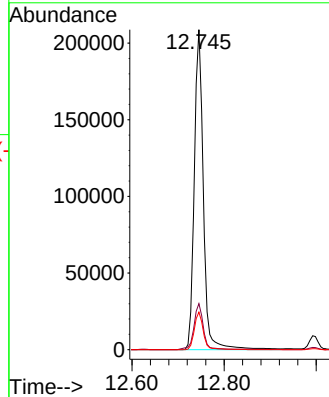
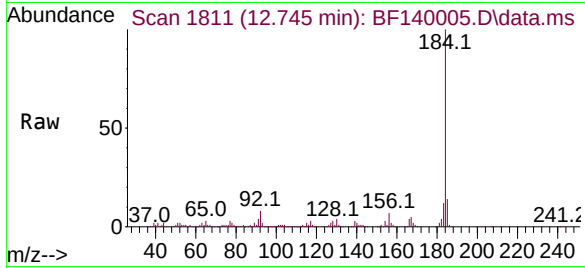




#77  
Benzidine  
Concen: 74.341 ng  
RT: 12.745 min Scan# 1811  
Delta R.T. 0.000 min  
Lab File: BF140005.D  
Acq: 24 Oct 2024 17:17

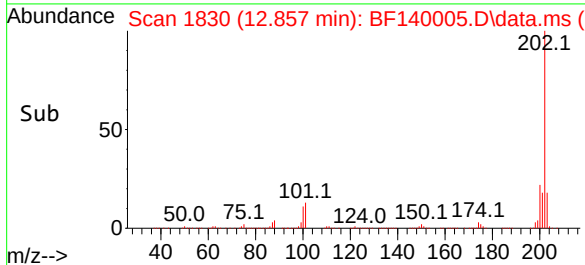
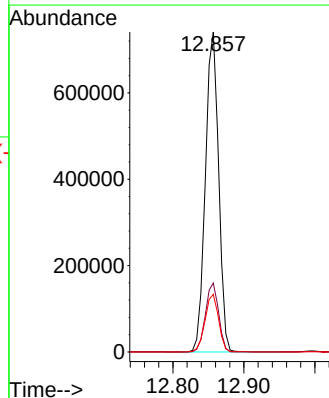
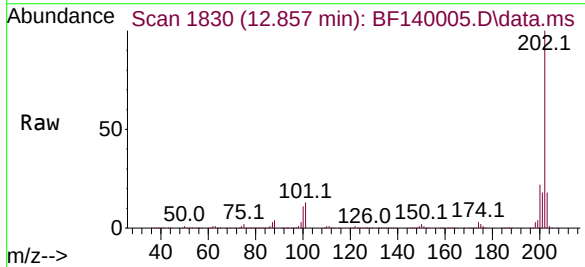
Instrument :  
BNA\_F  
ClientSampleId :  
TP-1MSD

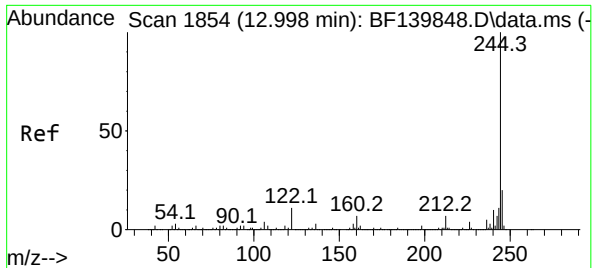
Tgt Ion:184 Resp: 285122  
Ion Ratio Lower Upper  
184 100  
185 14.4 12.0 18.0  
183 11.7 9.4 14.2



#78  
Pyrene  
Concen: 47.144 ng  
RT: 12.857 min Scan# 1830  
Delta R.T. 0.000 min  
Lab File: BF140005.D  
Acq: 24 Oct 2024 17:17

Tgt Ion:202 Resp: 962523  
Ion Ratio Lower Upper  
202 100  
200 21.5 17.2 25.8  
203 18.0 14.2 21.4





#79

Terphenyl-d14

Concen: 64.941 ng

RT: 12.992 min Scan# 1853

Delta R.T. -0.006 min

Lab File: BF140005.D

Acq: 24 Oct 2024 17:17

Instrument :

BNA\_F

ClientSampleId :

TP-1MSD

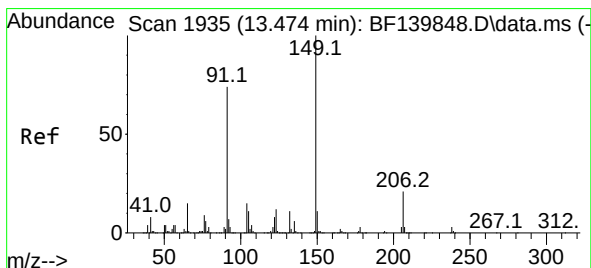
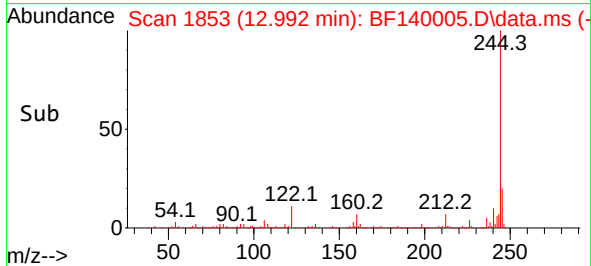
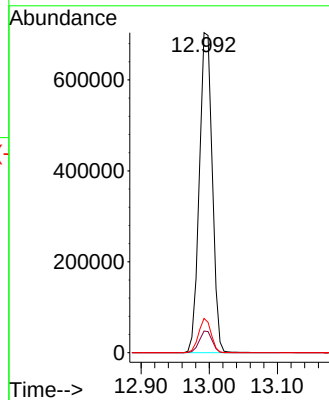
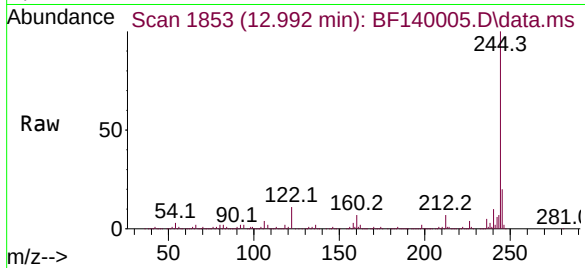
Tgt Ion:244 Resp: 929562

Ion Ratio Lower Upper

244 100

212 6.8 5.7 8.5

122 10.7 8.6 13.0



#80

Butylbenzylphthalate

Concen: 60.838 ng

RT: 13.475 min Scan# 1935

Delta R.T. 0.000 min

Lab File: BF140005.D

Acq: 24 Oct 2024 17:17

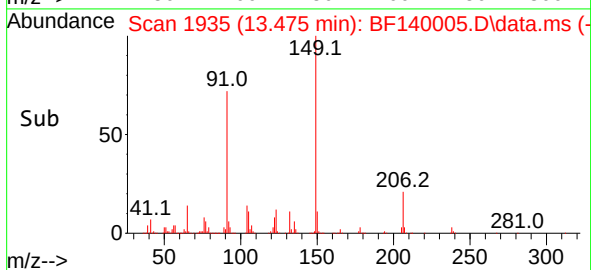
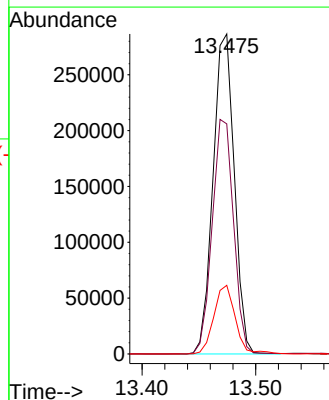
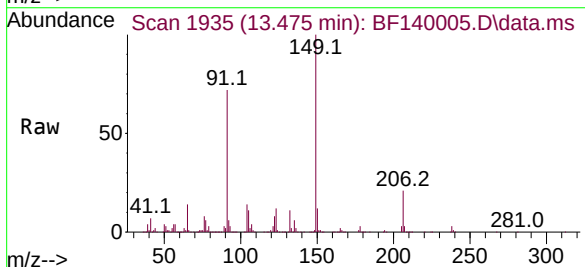
Tgt Ion:149 Resp: 372387

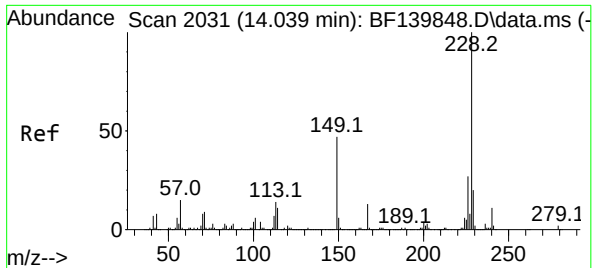
Ion Ratio Lower Upper

149 100

91 71.9 59.4 89.2

206 21.4 16.4 24.6

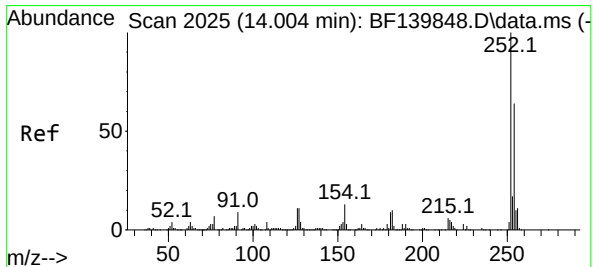
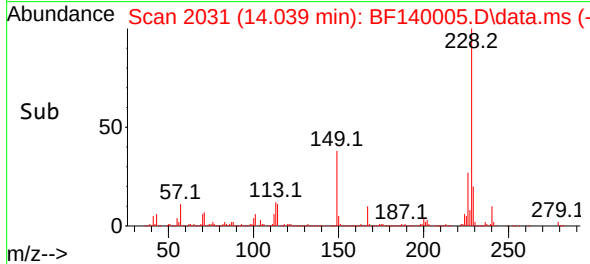
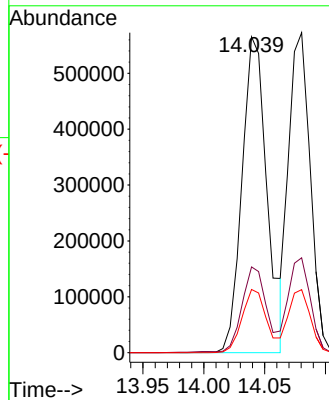
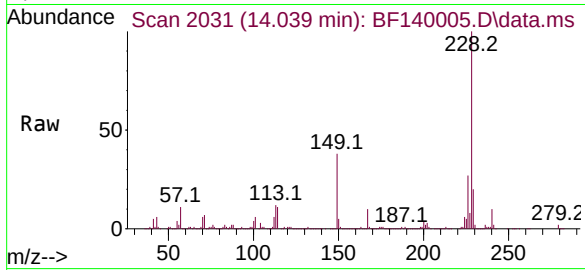




#81  
Benzo(a)anthracene  
Concen: 53.366 ng  
RT: 14.039 min Scan# 2031  
Delta R.T. 0.000 min  
Lab File: BF140005.D  
Acq: 24 Oct 2024 17:17

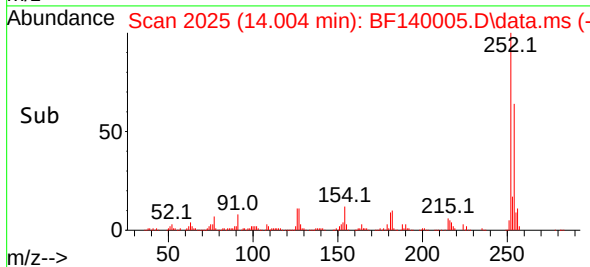
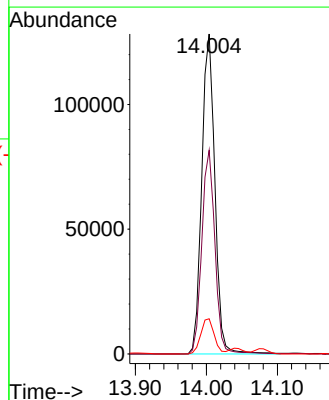
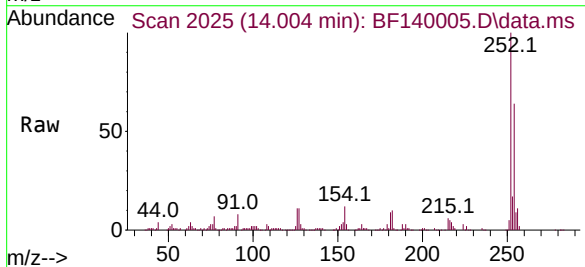
Instrument :  
BNA\_F  
ClientSampleId :  
TP-1MSD

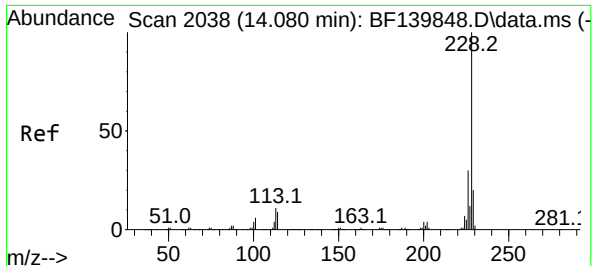
Tgt Ion:228 Resp: 810278  
Ion Ratio Lower Upper  
228 100  
226 27.2 21.6 32.4  
229 20.0 16.1 24.1



#82  
3,3'-Dichlorobenzidine  
Concen: 37.312 ng  
RT: 14.004 min Scan# 2025  
Delta R.T. 0.000 min  
Lab File: BF140005.D  
Acq: 24 Oct 2024 17:17

Tgt Ion:252 Resp: 165178  
Ion Ratio Lower Upper  
252 100  
254 63.7 50.8 76.2  
126 11.0 8.9 13.3

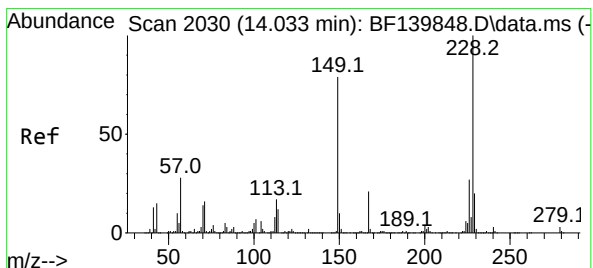
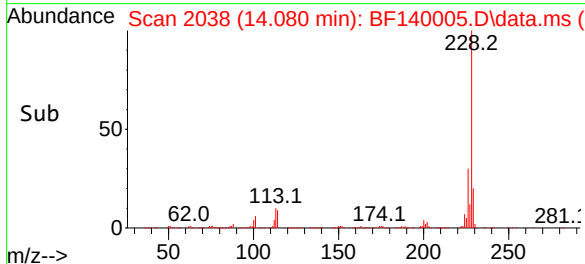
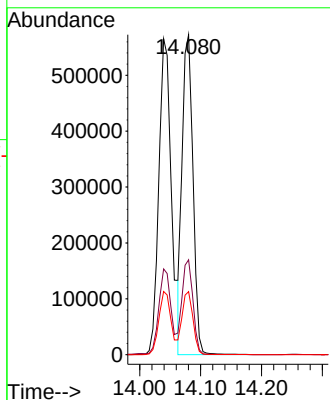
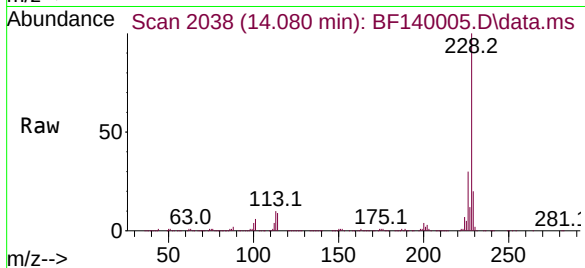




#83  
Chrysene  
Concen: 50.692 ng  
RT: 14.080 min Scan# 2038  
Delta R.T. 0.000 min  
Lab File: BF140005.D  
Acq: 24 Oct 2024 17:17

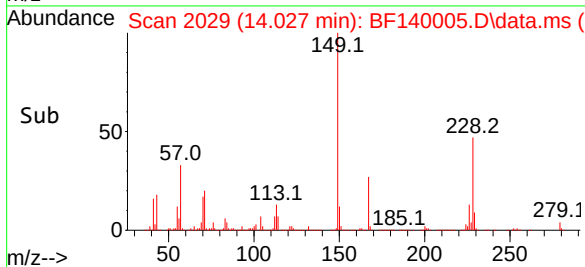
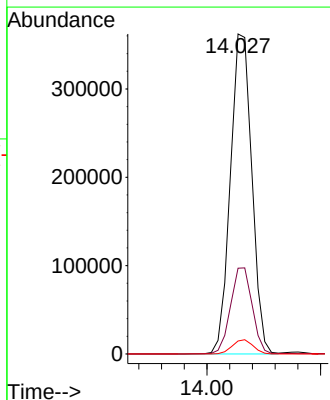
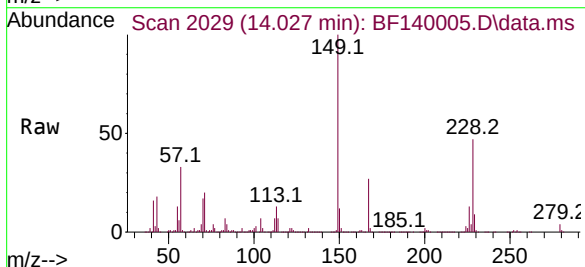
Instrument :  
BNA\_F  
ClientSampleId :  
TP-1MSD

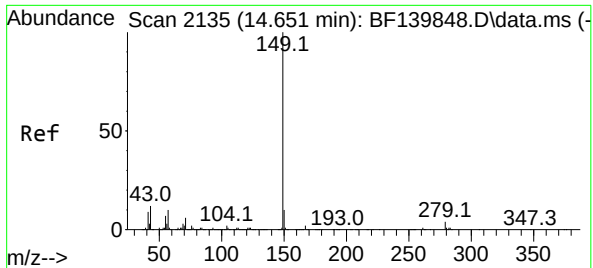
Tgt Ion:228 Resp: 705708  
Ion Ratio Lower Upper  
228 100  
226 29.7 24.1 36.1  
229 19.7 15.8 23.6



#84  
Bis(2-ethylhexyl)phthalate  
Concen: 69.312 ng  
RT: 14.027 min Scan# 2029  
Delta R.T. -0.006 min  
Lab File: BF140005.D  
Acq: 24 Oct 2024 17:17

Tgt Ion:149 Resp: 475991  
Ion Ratio Lower Upper  
149 100  
167 26.8 21.4 32.0  
279 4.0 3.0 4.4

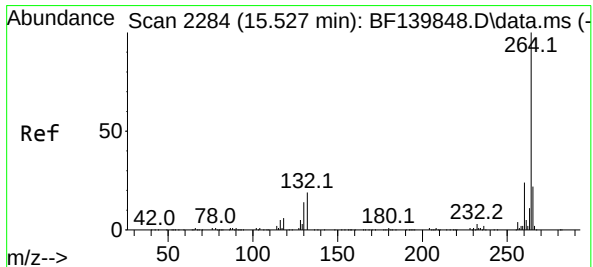
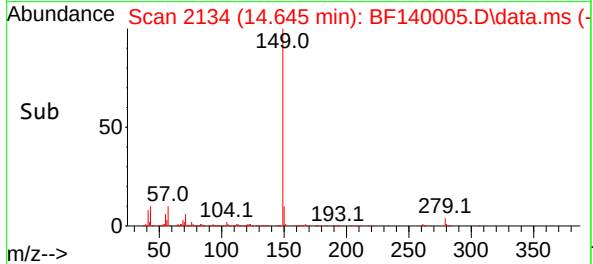
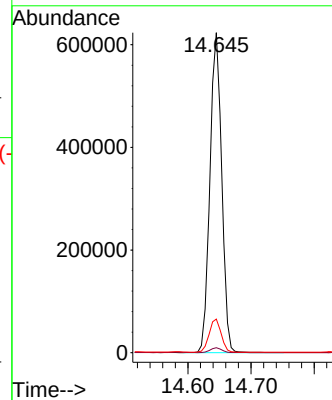
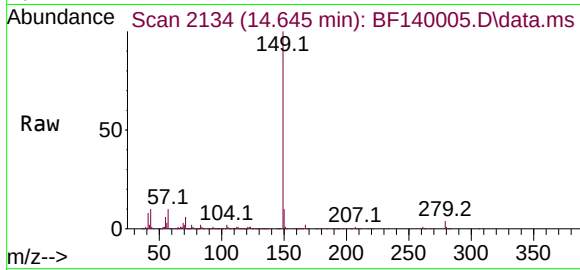




#85  
Di-n-octyl phthalate  
Concen: 64.464 ng  
RT: 14.645 min Scan# 2134  
Delta R.T. -0.006 min  
Lab File: BF140005.D  
Acq: 24 Oct 2024 17:17

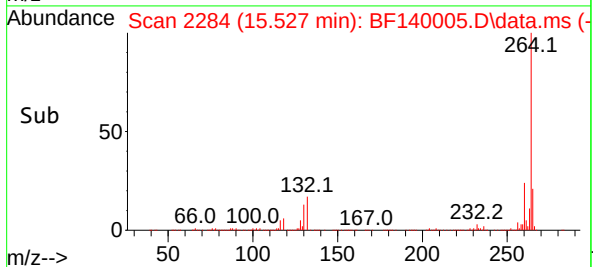
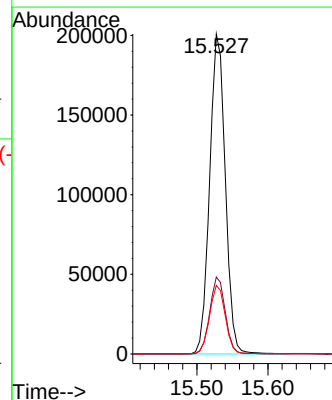
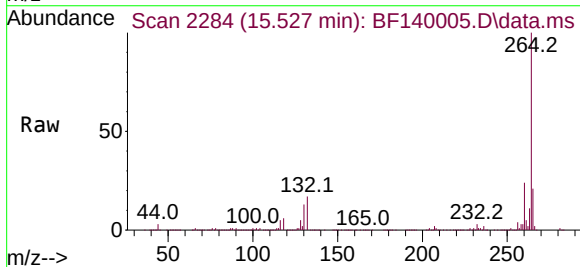
Instrument :  
BNA\_F  
ClientSampleId :  
TP-1MSD

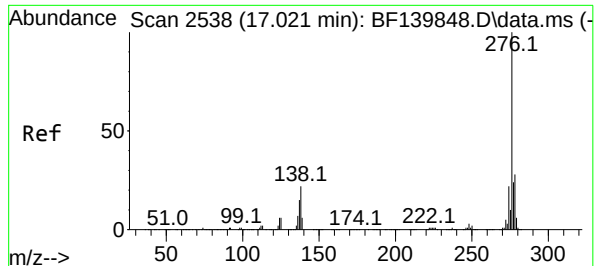
Tgt Ion:149 Resp: 805210  
Ion Ratio Lower Upper  
149 100  
167 1.6 1.2 1.8  
43 10.6 9.8 14.6



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.527 min Scan# 2284  
Delta R.T. 0.000 min  
Lab File: BF140005.D  
Acq: 24 Oct 2024 17:17

Tgt Ion:264 Resp: 308426  
Ion Ratio Lower Upper  
264 100  
260 24.0 19.4 29.2  
265 21.4 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 52.642 ng

RT: 17.027 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF140005.D

Acq: 24 Oct 2024 17:17

Instrument :

BNA\_F

ClientSampleId :

TP-1MSD

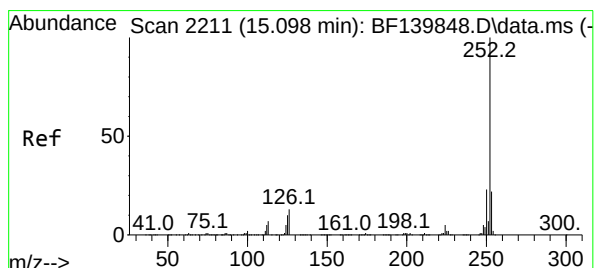
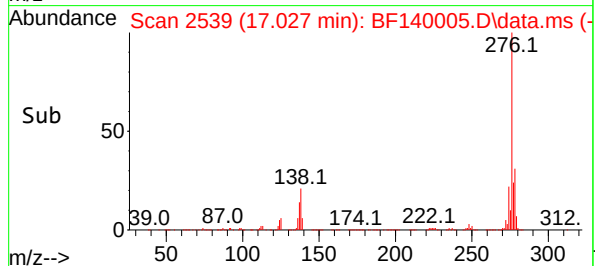
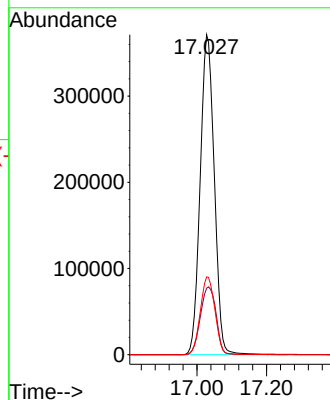
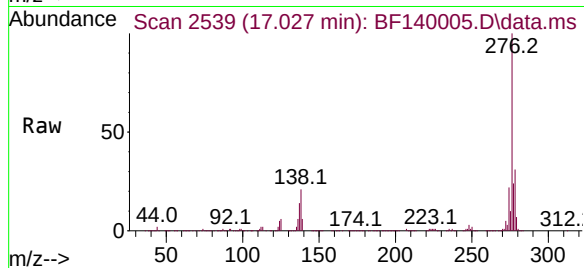
Tgt Ion:276 Resp: 1044523

Ion Ratio Lower Upper

276 100

138 23.6 20.4 30.6

277 25.3 20.2 30.4



#88

Benzo(b)fluoranthene

Concen: 46.882 ng

RT: 15.098 min Scan# 2211

Delta R.T. 0.000 min

Lab File: BF140005.D

Acq: 24 Oct 2024 17:17

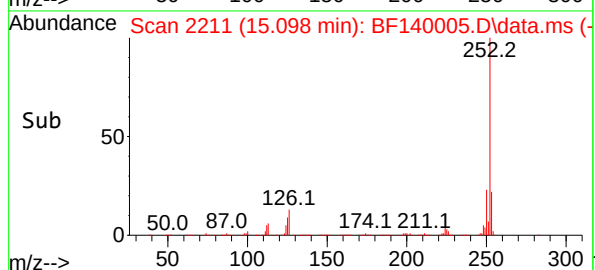
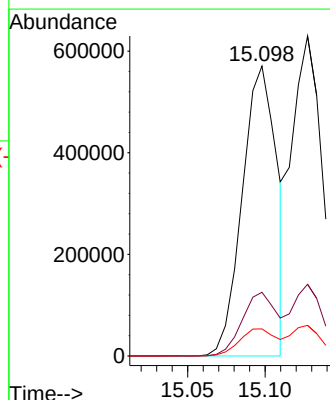
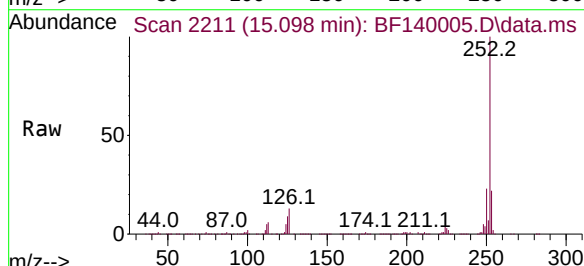
Tgt Ion:252 Resp: 880827

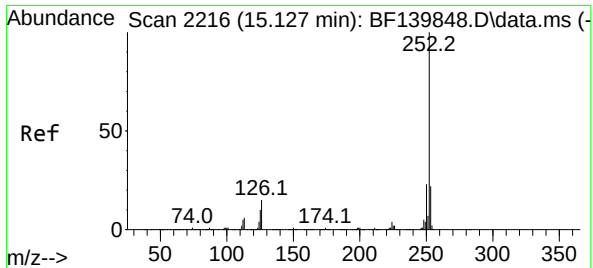
Ion Ratio Lower Upper

252 100

253 22.0 17.6 26.4

125 9.4 7.9 11.9





#89

Benzo(k)fluoranthene

Concen: 53.372 ng

RT: 15.127 min Scan# 2216

Delta R.T. 0.000 min

Lab File: BF140005.D

Acq: 24 Oct 2024 17:17

Instrument :

BNA\_F

ClientSampleId :

TP-1MSD

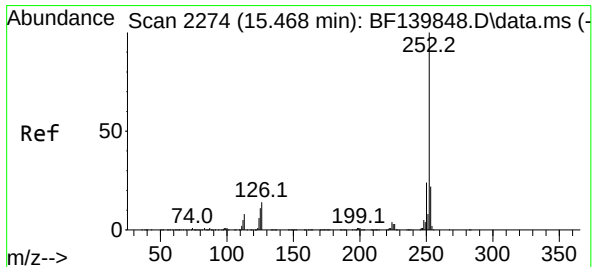
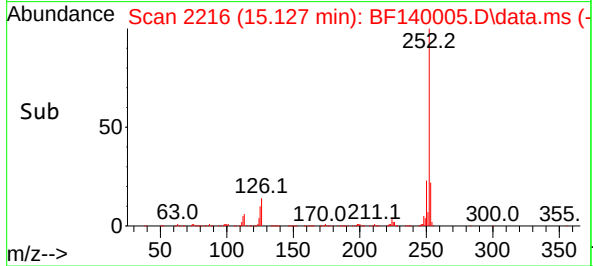
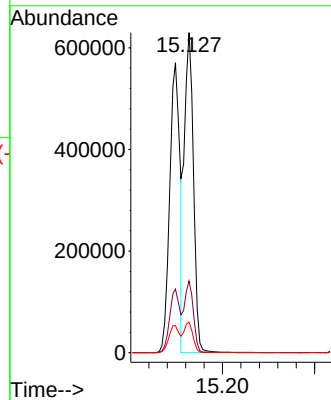
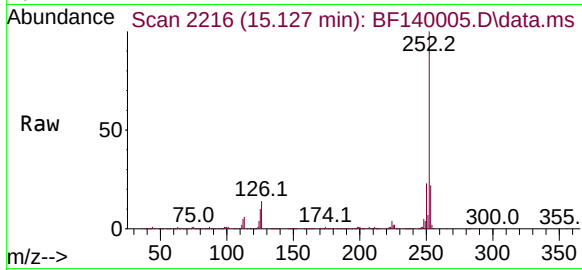
Tgt Ion:252 Resp: 864790

Ion Ratio Lower Upper

252 100

253 22.4 17.6 26.4

125 9.5 7.9 11.9



#90

Benzo(a)pyrene

Concen: 55.909 ng

RT: 15.468 min Scan# 2274

Delta R.T. 0.000 min

Lab File: BF140005.D

Acq: 24 Oct 2024 17:17

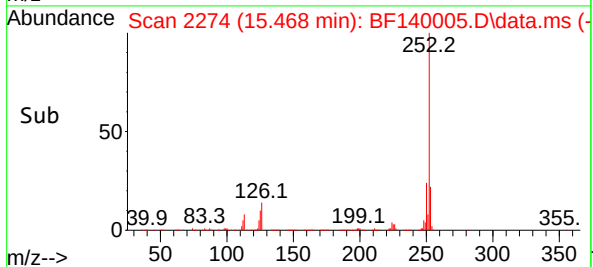
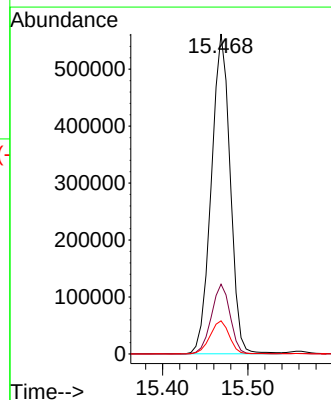
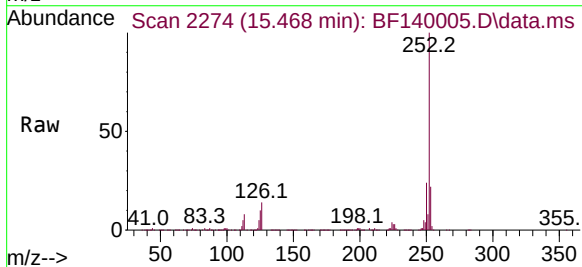
Tgt Ion:252 Resp: 864313

Ion Ratio Lower Upper

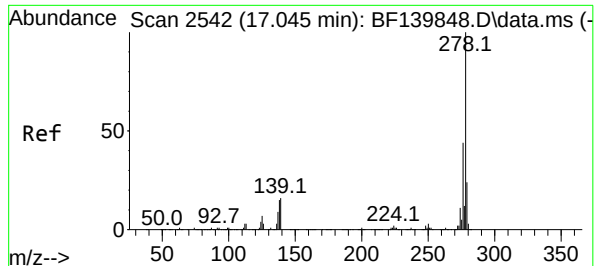
252 100

253 21.8 17.3 25.9

125 10.4 8.7 13.1







#91

Dibenzo(a,h)anthracene

Concen: 52.354 ng

RT: 17.051 min Scan# 2543

Delta R.T. 0.006 min

Lab File: BF140005.D

Acq: 24 Oct 2024 17:17

Instrument :

BNA\_F

ClientSampleId :

TP-1MSD

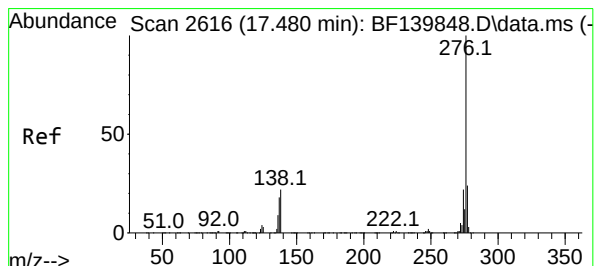
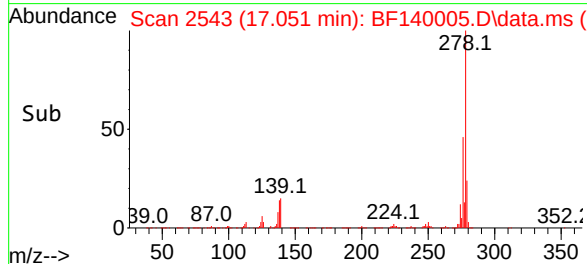
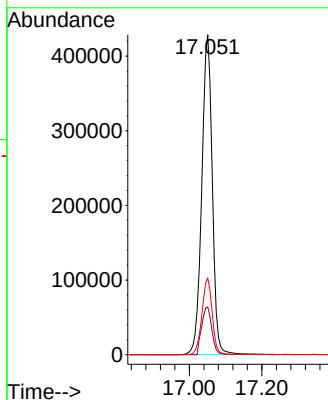
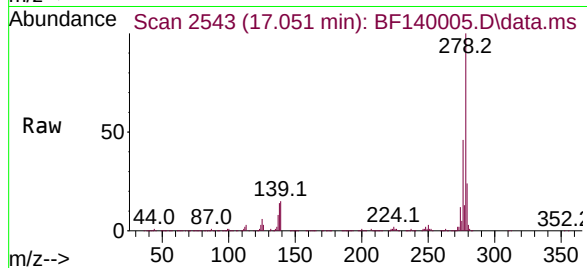
Tgt Ion:278 Resp: 866590

Ion Ratio Lower Upper

278 100

139 14.9 13.1 19.7

279 23.9 19.0 28.4



#92

Benzo(g,h,i)perylene

Concen: 45.099 ng

RT: 17.480 min Scan# 2616

Delta R.T. 0.000 min

Lab File: BF140005.D

Acq: 24 Oct 2024 17:17

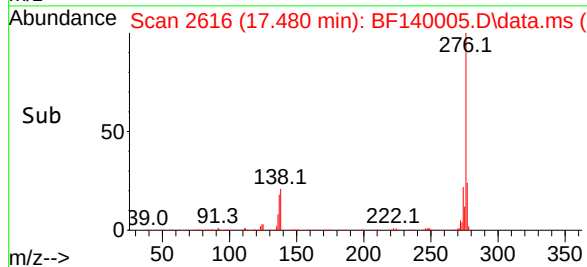
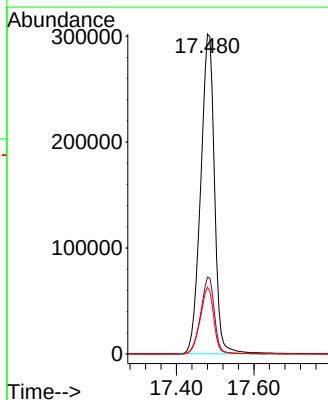
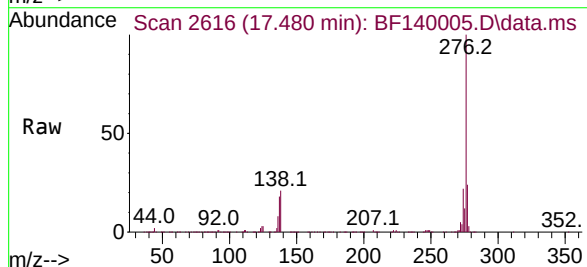
Tgt Ion:276 Resp: 745658

Ion Ratio Lower Upper

276 100

277 24.0 19.0 28.6

138 20.8 17.4 26.0



## Manual Integration Report

Sequence:

BF101824

Instrument

BNA\_f

| Sample ID   | File ID    | Parameter | Review By | Review On                | Supervised By | Supervised On            | Reason                      |
|-------------|------------|-----------|-----------|--------------------------|---------------|--------------------------|-----------------------------|
| SSTDICCC040 | BF139848.D | Phenol    | yogesh    | 10/21/2024<br>6:33:45 AM | mohammad      | 10/21/2024<br>6:38:35 AM | Peak Integrated by Software |
| SSTDICCC050 | BF139849.D | Phenol    | yogesh    | 10/21/2024<br>6:33:46 AM | mohammad      | 10/21/2024<br>6:38:35 AM | Peak Integrated by Software |
| SSTDICCC060 | BF139850.D | Phenol    | yogesh    | 10/21/2024<br>6:33:47 AM | mohammad      | 10/21/2024<br>6:38:35 AM | Peak Integrated by Software |
| SSTDICCC080 | BF139851.D | Aniline   | yogesh    | 10/21/2024<br>6:33:49 AM | mohammad      | 10/21/2024<br>6:38:35 AM | Peak Integrated by Software |
| SSTDICV040  | BF139852.D | Phenol    | yogesh    | 10/21/2024<br>6:33:50 AM | mohammad      | 10/21/2024<br>6:38:35 AM | Peak Integrated by Software |

## Manual Integration Report

Sequence:

BF102424

Instrument

BNA\_f

| Sample ID   | File ID    | Parameter   | Review By | Review On                | Supervised By | Supervised On            | Reason                      |
|-------------|------------|-------------|-----------|--------------------------|---------------|--------------------------|-----------------------------|
| SSTDCCC040  | BF139990.D | Phenol      | yogesh    | 10/25/2024<br>6:26:47 AM | mohammad      | 10/25/2024<br>8:37:24 AM | Peak Integrated by Software |
| PB164312BS  | BF139992.D | Caprolactam | yogesh    | 10/25/2024<br>6:26:50 AM | mohammad      | 10/25/2024<br>8:37:24 AM | Peak Integrated by Software |
| PB164312BS  | BF139992.D | Phenol      | yogesh    | 10/25/2024<br>6:26:50 AM | mohammad      | 10/25/2024<br>8:37:24 AM | Peak Integrated by Software |
| SSTDCCC040  | BF140001.D | Phenol      | yogesh    | 10/25/2024<br>6:27:19 AM | mohammad      | 10/25/2024<br>8:37:24 AM | Peak Integrated by Software |
| P4467-01MS  | BF140004.D | Caprolactam | yogesh    | 10/25/2024<br>6:27:24 AM | mohammad      | 10/25/2024<br>8:37:24 AM | Peak Integrated by Software |
| P4467-01MS  | BF140004.D | Phenol      | yogesh    | 10/25/2024<br>6:27:24 AM | mohammad      | 10/25/2024<br>8:37:24 AM | Peak Integrated by Software |
| P4467-01MSD | BF140005.D | Caprolactam | yogesh    | 10/25/2024<br>6:27:28 AM | mohammad      | 10/25/2024<br>8:37:24 AM | Peak Integrated by Software |
| P4467-01MSD | BF140005.D | Phenol      | yogesh    | 10/25/2024<br>6:27:28 AM | mohammad      | 10/25/2024<br>8:37:24 AM | Peak Integrated by Software |



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

## Manual Integration Report

|           |          |            |       |
|-----------|----------|------------|-------|
| Sequence: | BF102624 | Instrument | BNA_f |
|-----------|----------|------------|-------|

| Sample ID  | File ID    | Parameter | Review By | Review On                | Supervised By | Supervised On            | Reason                      |
|------------|------------|-----------|-----------|--------------------------|---------------|--------------------------|-----------------------------|
| SSTDCCC040 | BF140050.D | Phenol    | yogesh    | 10/29/2024<br>1:34:09 AM | mohammad      | 10/29/2024<br>1:38:32 AM | Peak Integrated by Software |

Instrument ID: **BNA\_F**

**Daily Analysis Runlog For Sequence/QC Batch ID # BF101824**

|                          |                                                         |                      |                       |
|--------------------------|---------------------------------------------------------|----------------------|-----------------------|
| Review By                | yogesh                                                  | Review On            | 10/21/2024 6:34:01 AM |
| Supervise By             | mohammad                                                | Supervise On         | 10/21/2024 6:38:35 AM |
| SubDirectory             | BF101824                                                | HP Acquire Method    | BNA_F                 |
|                          |                                                         | HP Processing Method | bf101824              |
| <b>STD. NAME</b>         | <b>STD REF.#</b>                                        |                      |                       |
| Tune/Reschk              | SP6573                                                  |                      |                       |
| Initial Calibration Stds | SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621 |                      |                       |
| CCC                      | SP6624                                                  |                      |                       |
| Internal Standard/PEM    | S12322,10ul/1000ul sample                               |                      |                       |
| ICV/I.BLK                | SP6559                                                  |                      |                       |
| Surrogate Standard       |                                                         |                      |                       |
| MS/MSD Standard          |                                                         |                      |                       |
| LCS Standard             |                                                         |                      |                       |

| Sr# | SampleId    | Data File Name | Date-Time         | Operator | Status |
|-----|-------------|----------------|-------------------|----------|--------|
| 1   | DFTPP       | BF139843.D     | 18 Oct 2024 09:22 | RC/JU    | Ok     |
| 2   | SSTDICC2.5  | BF139844.D     | 18 Oct 2024 10:27 | RC/JU    | Ok     |
| 3   | SSTDICC005  | BF139845.D     | 18 Oct 2024 10:55 | RC/JU    | Ok     |
| 4   | SSTDICC010  | BF139846.D     | 18 Oct 2024 11:23 | RC/JU    | Ok     |
| 5   | SSTDICC020  | BF139847.D     | 18 Oct 2024 11:52 | RC/JU    | Ok     |
| 6   | SSTDICCC040 | BF139848.D     | 18 Oct 2024 12:20 | RC/JU    | Ok,M   |
| 7   | SSTDICC050  | BF139849.D     | 18 Oct 2024 12:49 | RC/JU    | Ok,M   |
| 8   | SSTDICC060  | BF139850.D     | 18 Oct 2024 13:17 | RC/JU    | Ok,M   |
| 9   | SSTDICC080  | BF139851.D     | 18 Oct 2024 13:46 | RC/JU    | Ok,M   |
| 10  | SSTDICV040  | BF139852.D     | 18 Oct 2024 14:19 | RC/JU    | Ok,M   |
| 11  | PB164211BL  | BF139853.D     | 18 Oct 2024 14:48 | RC/JU    | Ok     |
| 12  | P4405-01    | BF139854.D     | 18 Oct 2024 15:21 | RC/JU    | Ok     |
| 13  | P4431-01    | BF139855.D     | 18 Oct 2024 15:50 | RC/JU    | Ok,M   |
| 14  | P4421-01    | BF139856.D     | 18 Oct 2024 16:18 | RC/JU    | Ok,M   |
| 15  | P4422-01    | BF139857.D     | 18 Oct 2024 16:46 | RC/JU    | Ok     |
| 16  | P4425-01    | BF139858.D     | 18 Oct 2024 17:15 | RC/JU    | Ok     |
| 17  | P4425-03    | BF139859.D     | 18 Oct 2024 17:44 | RC/JU    | Ok     |
| 18  | P4425-05    | BF139860.D     | 18 Oct 2024 18:12 | RC/JU    | Ok     |
| 19  | P4425-07    | BF139861.D     | 18 Oct 2024 18:41 | RC/JU    | ReRun  |
| 20  | P4425-09    | BF139862.D     | 18 Oct 2024 19:09 | RC/JU    | ReRun  |
| 21  | P4426-03    | BF139863.D     | 18 Oct 2024 19:37 | RC/JU    | ReRun  |

Instrument ID: **BNA\_F**

**Daily Analysis Runlog For Sequence/QC Batch ID # BF101824**

| Review By                | yogesh                                                  | Review On            | 10/21/2024 6:34:01 AM |
|--------------------------|---------------------------------------------------------|----------------------|-----------------------|
| Supervise By             | mohammad                                                | Supervise On         | 10/21/2024 6:38:35 AM |
| SubDirectory             | BF101824                                                | HP Acquire Method    | BNA_F                 |
|                          |                                                         | HP Processing Method | bf101824              |
| STD. NAME                | STD REF.#                                               |                      |                       |
| Tune/Reschk              | SP6573                                                  |                      |                       |
| Initial Calibration Stds | SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621 |                      |                       |
| CCC                      | SP6624                                                  |                      |                       |
| Internal Standard/PEM    | S12322,10ul/1000ul sample                               |                      |                       |
| ICV/I.BLK                | SP6559                                                  |                      |                       |
| Surrogate Standard       |                                                         |                      |                       |
| MS/MSD Standard          |                                                         |                      |                       |
| LCS Standard             |                                                         |                      |                       |

|    |          |            |                   |       |       |
|----|----------|------------|-------------------|-------|-------|
| 22 | P4426-07 | BF139864.D | 18 Oct 2024 20:05 | RC/JU | ReRun |
| 23 | P4426-17 | BF139865.D | 18 Oct 2024 20:34 | RC/JU | ReRun |
| 24 | P4426-11 | BF139866.D | 18 Oct 2024 21:02 | RC/JU | ReRun |

M : Manual Integration

Instrument ID: **BNA\_F**

**Daily Analysis Runlog For Sequence/QC Batch ID # BF102424**

|                          |                                                         |                      |                       |
|--------------------------|---------------------------------------------------------|----------------------|-----------------------|
| Review By                | yogesh                                                  | Review On            | 10/25/2024 6:28:05 AM |
| Supervise By             | mohammad                                                | Supervise On         | 10/25/2024 8:37:24 AM |
| SubDirectory             | BF102424                                                | HP Acquire Method    | BNA_F                 |
|                          |                                                         | HP Processing Method | bf101824              |
| <b>STD. NAME</b>         | <b>STD REF.#</b>                                        |                      |                       |
| Tune/Reschk              | SP6573                                                  |                      |                       |
| Initial Calibration Stds | SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621 |                      |                       |
| CCC                      | SP6624                                                  |                      |                       |
| Internal Standard/PEM    | S12323,10ul/1000ul sample                               |                      |                       |
| ICV/I.BLK                | SP6559                                                  |                      |                       |
| Surrogate Standard       |                                                         |                      |                       |
| MS/MSD Standard          |                                                         |                      |                       |
| LCS Standard             |                                                         |                      |                       |

| Sr# | SampleId    | Data File Name | Date-Time         | Operator | Status |
|-----|-------------|----------------|-------------------|----------|--------|
| 1   | DFTPP       | BF139989.D     | 24 Oct 2024 09:26 | RC/JU    | Ok     |
| 2   | SSTDCCC040  | BF139990.D     | 24 Oct 2024 09:55 | RC/JU    | Ok,M   |
| 3   | PB164312BL  | BF139991.D     | 24 Oct 2024 10:23 | RC/JU    | Ok     |
| 4   | PB164312BS  | BF139992.D     | 24 Oct 2024 10:52 | RC/JU    | Ok,M   |
| 5   | PB164315BL  | BF139993.D     | 24 Oct 2024 11:20 | RC/JU    | Ok     |
| 6   | PB164315BS  | BF139994.D     | 24 Oct 2024 11:49 | RC/JU    | Ok,M   |
| 7   | PB164301TB  | BF139995.D     | 24 Oct 2024 12:17 | RC/JU    | Ok     |
| 8   | PB163997BS  | BF139996.D     | 24 Oct 2024 12:53 | RC/JU    | Ok,M   |
| 9   | PB164208BS  | BF139997.D     | 24 Oct 2024 13:21 | RC/JU    | Ok,M   |
| 10  | PB164338BL  | BF139998.D     | 24 Oct 2024 13:50 | RC/JU    | Ok     |
| 11  | PB164338BS  | BF139999.D     | 24 Oct 2024 14:19 | RC/JU    | Ok,M   |
| 12  | DFTPP       | BF140000.D     | 24 Oct 2024 14:47 | RC/JU    | Ok     |
| 13  | SSTDCCC040  | BF140001.D     | 24 Oct 2024 15:16 | RC/JU    | Ok,M   |
| 14  | PB164261TB  | BF140002.D     | 24 Oct 2024 15:44 | RC/JU    | Ok     |
| 15  | P4489-01DL  | BF140003.D     | 24 Oct 2024 16:19 | RC/JU    | Ok     |
| 16  | P4467-01MS  | BF140004.D     | 24 Oct 2024 16:48 | RC/JU    | Ok,M   |
| 17  | P4467-01MSD | BF140005.D     | 24 Oct 2024 17:17 | RC/JU    | Ok,M   |
| 18  | P4460-03MS  | BF140006.D     | 24 Oct 2024 17:45 | RC/JU    | Ok,M   |
| 19  | P4460-03MSD | BF140007.D     | 24 Oct 2024 18:14 | RC/JU    | Ok,M   |
| 20  | P4467-04    | BF140008.D     | 24 Oct 2024 18:42 | RC/JU    | Ok     |
| 21  | P4472-08    | BF140009.D     | 24 Oct 2024 19:11 | RC/JU    | Ok     |

Instrument ID: **BNA\_F**

**Daily Analysis Runlog For Sequence/QC Batch ID # BF102424**

| Review By                | yogesh                                                  | Review On            | 10/25/2024 6:28:05 AM |
|--------------------------|---------------------------------------------------------|----------------------|-----------------------|
| Supervise By             | mohammad                                                | Supervise On         | 10/25/2024 8:37:24 AM |
| SubDirectory             | BF102424                                                | HP Acquire Method    | BNA_F                 |
|                          |                                                         | HP Processing Method | bf101824              |
| STD. NAME                | STD REF.#                                               |                      |                       |
| Tune/Reschk              | SP6573                                                  |                      |                       |
| Initial Calibration Stds | SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621 |                      |                       |
| CCC                      | SP6624                                                  |                      |                       |
| Internal Standard/PEM    | S12323,10ul/1000ul sample                               |                      |                       |
| ICV/I.BLK                | SP6559                                                  |                      |                       |
| Surrogate Standard       |                                                         |                      |                       |
| MS/MSD Standard          |                                                         |                      |                       |
| LCS Standard             |                                                         |                      |                       |

|    |             |            |                   |       |       |
|----|-------------|------------|-------------------|-------|-------|
| 22 | P4460-03    | BF140010.D | 24 Oct 2024 19:39 | RC/JU | ReRun |
| 23 | P4471-01    | BF140011.D | 24 Oct 2024 20:08 | RC/JU | Ok    |
| 24 | P4471-02    | BF140012.D | 24 Oct 2024 20:36 | RC/JU | ReRun |
| 25 | P4467-01    | BF140013.D | 24 Oct 2024 21:04 | RC/JU | ReRun |
| 26 | P4460-04    | BF140014.D | 24 Oct 2024 21:33 | RC/JU | ReRun |
| 27 | P4468-01    | BF140015.D | 24 Oct 2024 22:01 | RC/JU | ReRun |
| 28 | P4485-01    | BF140016.D | 24 Oct 2024 22:29 | RC/JU | ReRun |
| 29 | P4487-01    | BF140017.D | 24 Oct 2024 22:58 | RC/JU | ReRun |
| 30 | P4487-05    | BF140018.D | 24 Oct 2024 23:26 | RC/JU | Ok    |
| 31 | P4487-05MS  | BF140019.D | 24 Oct 2024 23:54 | RC/JU | Ok,M  |
| 32 | P4487-05MSD | BF140020.D | 25 Oct 2024 00:22 | RC/JU | Ok,M  |
| 33 | P4485-02    | BF140021.D | 25 Oct 2024 00:50 | RC/JU | ReRun |
| 34 | P4512-03    | BF140022.D | 25 Oct 2024 01:19 | RC/JU | ReRun |
| 35 | P4470-01    | BF140023.D | 25 Oct 2024 01:46 | RC/JU | Ok    |
| 36 | P4472-05    | BF140024.D | 25 Oct 2024 02:14 | RC/JU | ReRun |

M : Manual Integration



Instrument ID: **BNA\_F**

**Daily Analysis Runlog For Sequence/QC Batch ID # BF102624**

|                          |                                                         |                      |                       |
|--------------------------|---------------------------------------------------------|----------------------|-----------------------|
| Review By                | yogesh                                                  | Review On            | 10/29/2024 1:34:36 AM |
| Supervise By             | mohammad                                                | Supervise On         | 10/29/2024 1:38:32 AM |
| SubDirectory             | BF102624                                                | HP Acquire Method    | BNA_F                 |
|                          |                                                         | HP Processing Method | bf101824              |
| <b>STD. NAME</b>         | <b>STD REF.#</b>                                        |                      |                       |
| Tune/Reschk              | SP6573                                                  |                      |                       |
| Initial Calibration Stds | SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621 |                      |                       |
| CCC                      | SP6624                                                  |                      |                       |
| Internal Standard/PEM    | S12323,10ul/1000ul sample                               |                      |                       |
| ICV/I.BLK                | SP6559                                                  |                      |                       |
| Surrogate Standard       |                                                         |                      |                       |
| MS/MSD Standard          |                                                         |                      |                       |
| LCS Standard             |                                                         |                      |                       |

| Sr# | SampleId    | Data File Name | Date-Time         | Operator | Status |
|-----|-------------|----------------|-------------------|----------|--------|
| 1   | DFTPP       | BF140049.D     | 26 Oct 2024 10:10 | RC/JU    | Ok     |
| 2   | SSTDCCC040  | BF140050.D     | 26 Oct 2024 10:38 | RC/JU    | Ok,M   |
| 3   | PB164401BL  | BF140051.D     | 26 Oct 2024 11:06 | RC/JU    | Ok     |
| 4   | PB164401BS  | BF140052.D     | 26 Oct 2024 11:34 | RC/JU    | Ok,M   |
| 5   | P4508-09    | BF140053.D     | 26 Oct 2024 12:06 | RC/JU    | Ok     |
| 6   | P4508-09MS  | BF140054.D     | 26 Oct 2024 12:34 | RC/JU    | Ok,M   |
| 7   | P4508-09MSD | BF140055.D     | 26 Oct 2024 13:02 | RC/JU    | Ok,M   |
| 8   | P4547-05    | BF140056.D     | 26 Oct 2024 13:30 | RC/JU    | Ok     |
| 9   | P4547-05MS  | BF140057.D     | 26 Oct 2024 13:58 | RC/JU    | Ok,M   |
| 10  | P4547-05MSD | BF140058.D     | 26 Oct 2024 14:27 | RC/JU    | Ok,M   |
| 11  | P4508-05    | BF140059.D     | 26 Oct 2024 14:55 | RC/JU    | Ok     |
| 12  | P4517-07    | BF140060.D     | 26 Oct 2024 15:23 | RC/JU    | Ok     |
| 13  | P4487-08    | BF140061.D     | 26 Oct 2024 15:51 | RC/JU    | Ok     |
| 14  | P4460-04    | BF140062.D     | 26 Oct 2024 16:20 | RC/JU    | Ok     |
| 15  | P4460-03    | BF140063.D     | 26 Oct 2024 16:48 | RC/JU    | Ok     |
| 16  | P4471-02    | BF140064.D     | 26 Oct 2024 17:16 | RC/JU    | Ok     |
| 17  | P4508-12    | BF140065.D     | 26 Oct 2024 17:44 | RC/JU    | Ok     |
| 18  | P4508-04    | BF140066.D     | 26 Oct 2024 18:12 | RC/JU    | Ok     |
| 19  | P4508-08    | BF140067.D     | 26 Oct 2024 18:40 | RC/JU    | Ok     |
| 20  | P4460-02    | BF140068.D     | 26 Oct 2024 19:09 | RC/JU    | Ok,M   |
| 21  | P4547-01    | BF140069.D     | 26 Oct 2024 19:37 | RC/JU    | Ok     |

Instrument ID: **BNA\_F**

**Daily Analysis Runlog For Sequence/QC Batch ID # BF102624**

| Review By                | yogesh                                                  | Review On            | 10/29/2024 1:34:36 AM |
|--------------------------|---------------------------------------------------------|----------------------|-----------------------|
| Supervise By             | mohammad                                                | Supervise On         | 10/29/2024 1:38:32 AM |
| SubDirectory             | BF102624                                                | HP Acquire Method    | BNA_F                 |
|                          |                                                         | HP Processing Method | bf101824              |
| STD. NAME                | STD REF.#                                               |                      |                       |
| Tune/Reschk              | SP6573                                                  |                      |                       |
| Initial Calibration Stds | SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621 |                      |                       |
| CCC                      | SP6624                                                  |                      |                       |
| Internal Standard/PEM    | S12323,10ul/1000ul sample                               |                      |                       |
| ICV/I.BLK                | SP6559                                                  |                      |                       |
| Surrogate Standard       |                                                         |                      |                       |
| MS/MSD Standard          |                                                         |                      |                       |
| LCS Standard             |                                                         |                      |                       |

|    |          |            |                   |       |      |
|----|----------|------------|-------------------|-------|------|
| 22 | P4508-01 | BF140070.D | 26 Oct 2024 20:05 | RC/JU | Ok   |
| 23 | P4545-01 | BF140071.D | 26 Oct 2024 20:33 | RC/JU | Ok,M |
| 24 | P4509-01 | BF140072.D | 26 Oct 2024 21:01 | RC/JU | Ok,M |
| 25 | P4531-01 | BF140073.D | 26 Oct 2024 21:29 | RC/JU | Ok,M |

M : Manual Integration

Instrument ID: BNA\_F

**Daily Analysis Runlog For Sequence/QC Batch ID # BF101824**

|              |          |                      |                       |
|--------------|----------|----------------------|-----------------------|
| Review By    | yogesh   | Review On            | 10/21/2024 6:34:01 AM |
| Supervise By | mohammad | Supervise On         | 10/21/2024 6:38:35 AM |
| SubDirectory | BF101824 | HP Acquire Method    | BNA_F                 |
|              |          | HP Processing Method | bf101824              |

| STD. NAME                | STD REF.#                                               |
|--------------------------|---------------------------------------------------------|
| Tune/Reschk              | SP6573                                                  |
| Initial Calibration Stds | SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621 |
| CCC                      | SP6624                                                  |
| Internal Standard/PEM    | S12322,10ul/1000ul sample                               |
| ICV/I.BLK                | SP6559                                                  |
| Surrogate Standard       |                                                         |
| MS/MSD Standard          |                                                         |
| LCS Standard             |                                                         |

| Sr# | SampleID    | ClientID     | Data File Name | Date-Time         | Comment                                                                      | Operator | Status |
|-----|-------------|--------------|----------------|-------------------|------------------------------------------------------------------------------|----------|--------|
| 1   | DFTPP       | DFTPP        | BF139843.D     | 18 Oct 2024 09:22 |                                                                              | RC/JU    | Ok     |
| 2   | SSTDICC2.5  | SSTDICC2.5   | BF139844.D     | 18 Oct 2024 10:27 |                                                                              | RC/JU    | Ok     |
| 3   | SSTDICC005  | SSTDICC005   | BF139845.D     | 18 Oct 2024 10:55 | Compound #9,32,54,65,85 removed from 5 ppm                                   | RC/JU    | Ok     |
| 4   | SSTDICC010  | SSTDICC010   | BF139846.D     | 18 Oct 2024 11:23 |                                                                              | RC/JU    | Ok     |
| 5   | SSTDICC020  | SSTDICC020   | BF139847.D     | 18 Oct 2024 11:52 | Compound #54 Kept on LR                                                      | RC/JU    | Ok     |
| 6   | SSTDICCC040 | SSTDICCC040  | BF139848.D     | 18 Oct 2024 12:20 | The Calibration is Good For 8270 DOD Except com#77 and good for 625.1 Method | RC/JU    | Ok,M   |
| 7   | SSTDICC050  | SSTDICC050   | BF139849.D     | 18 Oct 2024 12:49 | Com#77(Benzidine) Failed in the calibration for both DOD and NON-DOD         | RC/JU    | Ok,M   |
| 8   | SSTDICC060  | SSTDICC060   | BF139850.D     | 18 Oct 2024 13:17 |                                                                              | RC/JU    | Ok,M   |
| 9   | SSTDICC080  | SSTDICC080   | BF139851.D     | 18 Oct 2024 13:46 |                                                                              | RC/JU    | Ok,M   |
| 10  | SSTDICV040  | SSTDICV040   | BF139852.D     | 18 Oct 2024 14:19 |                                                                              | RC/JU    | Ok,M   |
| 11  | PB164211BL  | PB164211BL   | BF139853.D     | 18 Oct 2024 14:48 |                                                                              | RC/JU    | Ok     |
| 12  | P4405-01    | MH-121       | BF139854.D     | 18 Oct 2024 15:21 |                                                                              | RC/JU    | Ok     |
| 13  | P4431-01    | 72-11934     | BF139855.D     | 18 Oct 2024 15:50 |                                                                              | RC/JU    | Ok,M   |
| 14  | P4421-01    | EO-02-101624 | BF139856.D     | 18 Oct 2024 16:18 |                                                                              | RC/JU    | Ok,M   |
| 15  | P4422-01    | EO-01-101624 | BF139857.D     | 18 Oct 2024 16:46 |                                                                              | RC/JU    | Ok     |
| 16  | P4425-01    | TP-1         | BF139858.D     | 18 Oct 2024 17:15 |                                                                              | RC/JU    | Ok     |

Instrument ID: BNA\_F

**Daily Analysis Runlog For Sequence/QC Batch ID # BF101824**

|                          |          |                                                         |                       |                      |          |
|--------------------------|----------|---------------------------------------------------------|-----------------------|----------------------|----------|
| Review By                | yogesh   | Review On                                               | 10/21/2024 6:34:01 AM |                      |          |
| Supervise By             | mohammad | Supervise On                                            | 10/21/2024 6:38:35 AM |                      |          |
| SubDirectory             | BF101824 | HP Acquire Method                                       | BNA_F                 | HP Processing Method | bf101824 |
| STD. NAME                |          | STD REF.#                                               |                       |                      |          |
| Tune/Reschk              |          | SP6573                                                  |                       |                      |          |
| Initial Calibration Stds |          | SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621 |                       |                      |          |
| CCC                      |          | SP6624                                                  |                       |                      |          |
| Internal Standard/PEM    |          | S12322,10ul/1000ul sample                               |                       |                      |          |
| ICV/I.BLK                |          | SP6559                                                  |                       |                      |          |
| Surrogate Standard       |          |                                                         |                       |                      |          |
| MS/MSD Standard          |          |                                                         |                       |                      |          |
| LCS Standard             |          |                                                         |                       |                      |          |

|    |          |       |            |                   |                        |       |       |
|----|----------|-------|------------|-------------------|------------------------|-------|-------|
| 17 | P4425-03 | TP-2  | BF139859.D | 18 Oct 2024 17:44 |                        | RC/JU | Ok    |
| 18 | P4425-05 | TP-3  | BF139860.D | 18 Oct 2024 18:12 |                        | RC/JU | Ok    |
| 19 | P4425-07 | TP-4  | BF139861.D | 18 Oct 2024 18:41 | Internal Standrad Fail | RC/JU | ReRun |
| 20 | P4425-09 | TP-5  | BF139862.D | 18 Oct 2024 19:09 | Internal Standrad Fail | RC/JU | ReRun |
| 21 | P4426-03 | PAD-2 | BF139863.D | 18 Oct 2024 19:37 | Internal Standrad Fail | RC/JU | ReRun |
| 22 | P4426-07 | PAD-4 | BF139864.D | 18 Oct 2024 20:05 | Internal Standrad Fail | RC/JU | ReRun |
| 23 | P4426-17 | PAD-9 | BF139865.D | 18 Oct 2024 20:34 | Internal Standard Fail | RC/JU | ReRun |
| 24 | P4426-11 | PAD-6 | BF139866.D | 18 Oct 2024 21:02 | Internal Standard Fail | RC/JU | ReRun |

M : Manual Integration

Instrument ID: BNA\_F

**Daily Analysis Runlog For Sequence/QC Batch ID # BF102424**

|              |          |                      |                       |
|--------------|----------|----------------------|-----------------------|
| Review By    | yogesh   | Review On            | 10/25/2024 6:28:05 AM |
| Supervise By | mohammad | Supervise On         | 10/25/2024 8:37:24 AM |
| SubDirectory | BF102424 | HP Acquire Method    | BNA_F                 |
|              |          | HP Processing Method | bf101824              |

| STD. NAME                | STD REF.#                                               |
|--------------------------|---------------------------------------------------------|
| Tune/Reschk              | SP6573                                                  |
| Initial Calibration Stds | SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621 |
| CCC                      | SP6624                                                  |
| Internal Standard/PEM    | S12323,10ul/1000ul sample                               |
| ICV/I.BLK                | SP6559                                                  |
| Surrogate Standard       |                                                         |
| MS/MSD Standard          |                                                         |
| LCS Standard             |                                                         |

| Sr# | SampleID    | ClientID     | Data File Name | Date-Time         | Comment                | Operator | Status |
|-----|-------------|--------------|----------------|-------------------|------------------------|----------|--------|
| 1   | DFTPP       | DFTPP        | BF139989.D     | 24 Oct 2024 09:26 |                        | RC/JU    | Ok     |
| 2   | SSTDCCC040  | SSTDCCC040   | BF139990.D     | 24 Oct 2024 09:55 |                        | RC/JU    | Ok,M   |
| 3   | PB164312BL  | PB164312BL   | BF139991.D     | 24 Oct 2024 10:23 |                        | RC/JU    | Ok     |
| 4   | PB164312BS  | PB164312BS   | BF139992.D     | 24 Oct 2024 10:52 |                        | RC/JU    | Ok,M   |
| 5   | PB164315BL  | PB164315BL   | BF139993.D     | 24 Oct 2024 11:20 |                        | RC/JU    | Ok     |
| 6   | PB164315BS  | PB164315BS   | BF139994.D     | 24 Oct 2024 11:49 |                        | RC/JU    | Ok,M   |
| 7   | PB164301TB  | PB164301TB   | BF139995.D     | 24 Oct 2024 12:17 |                        | RC/JU    | Ok     |
| 8   | PB163997BS  | PB163997BS   | BF139996.D     | 24 Oct 2024 12:53 |                        | RC/JU    | Ok,M   |
| 9   | PB164208BS  | PB164208BS   | BF139997.D     | 24 Oct 2024 13:21 |                        | RC/JU    | Ok,M   |
| 10  | PB164338BL  | PB164338BL   | BF139998.D     | 24 Oct 2024 13:50 |                        | RC/JU    | Ok     |
| 11  | PB164338BS  | PB164338BS   | BF139999.D     | 24 Oct 2024 14:19 |                        | RC/JU    | Ok,M   |
| 12  | DFTPP       | DFTPP        | BF140000.D     | 24 Oct 2024 14:47 |                        | RC/JU    | Ok     |
| 13  | SSTDCCC040  | SSTDCCC040   | BF140001.D     | 24 Oct 2024 15:16 |                        | RC/JU    | Ok,M   |
| 14  | PB164261TB  | PB164261TB   | BF140002.D     | 24 Oct 2024 15:44 |                        | RC/JU    | Ok     |
| 15  | P4489-01DL  | RT-2675DL    | BF140003.D     | 24 Oct 2024 16:19 | Internal Standard Fail | RC/JU    | Ok     |
| 16  | P4467-01MS  | TP-1MS       | BF140004.D     | 24 Oct 2024 16:48 |                        | RC/JU    | Ok,M   |
| 17  | P4467-01MSD | TP-1MSD      | BF140005.D     | 24 Oct 2024 17:17 |                        | RC/JU    | Ok,M   |
| 18  | P4460-03MS  | WB-303-BOTMS | BF140006.D     | 24 Oct 2024 17:45 |                        | RC/JU    | Ok,M   |

Instrument ID: BNA\_F

**Daily Analysis Runlog For Sequence/QC Batch ID # BF102424**

| Review By                | yogesh   | Review On                                               | 10/25/2024 6:28:05 AM |                      |          |
|--------------------------|----------|---------------------------------------------------------|-----------------------|----------------------|----------|
| Supervise By             | mohammad | Supervise On                                            | 10/25/2024 8:37:24 AM |                      |          |
| SubDirectory             | BF102424 | HP Acquire Method                                       | BNA_F                 | HP Processing Method | bf101824 |
| STD. NAME                |          | STD REF.#                                               |                       |                      |          |
| Tune/Reschk              |          | SP6573                                                  |                       |                      |          |
| Initial Calibration Stds |          | SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621 |                       |                      |          |
| CCC                      |          | SP6624                                                  |                       |                      |          |
| Internal Standard/PEM    |          | S12323,10ul/1000ul sample                               |                       |                      |          |
| ICV/I.BLK                |          | SP6559                                                  |                       |                      |          |
| Surrogate Standard       |          |                                                         |                       |                      |          |
| MS/MSD Standard          |          |                                                         |                       |                      |          |
| LCS Standard             |          |                                                         |                       |                      |          |

|    |             |                 |            |                   |                        |       |       |
|----|-------------|-----------------|------------|-------------------|------------------------|-------|-------|
| 19 | P4460-03MSD | WB-303-BOTMSD   | BF140007.D | 24 Oct 2024 18:14 |                        | RC/JU | Ok,M  |
| 20 | P4467-04    | TP-1            | BF140008.D | 24 Oct 2024 18:42 |                        | RC/JU | Ok    |
| 21 | P4472-08    | BP-F-6          | BF140009.D | 24 Oct 2024 19:11 |                        | RC/JU | Ok    |
| 22 | P4460-03    | WB-303-BOT      | BF140010.D | 24 Oct 2024 19:39 | Internal Standrad Fail | RC/JU | ReRun |
| 23 | P4471-01    | B-180-SB01      | BF140011.D | 24 Oct 2024 20:08 |                        | RC/JU | Ok    |
| 24 | P4471-02    | B-180-SB02      | BF140012.D | 24 Oct 2024 20:36 | Internal Standrad Fail | RC/JU | ReRun |
| 25 | P4467-01    | TP-1            | BF140013.D | 24 Oct 2024 21:04 | Internal Standrad Fail | RC/JU | ReRun |
| 26 | P4460-04    | WB-303-BOT      | BF140014.D | 24 Oct 2024 21:33 | Internal Standrad Fail | RC/JU | ReRun |
| 27 | P4468-01    | ETGI-331        | BF140015.D | 24 Oct 2024 22:01 | Internal Standrad Fail | RC/JU | ReRun |
| 28 | P4485-01    | D20241001-01-04 | BF140016.D | 24 Oct 2024 22:29 | Internal Standrad Fail | RC/JU | ReRun |
| 29 | P4487-01    | BP-B5           | BF140017.D | 24 Oct 2024 22:58 | Internal Standrad Fail | RC/JU | ReRun |
| 30 | P4487-05    | BP-F27          | BF140018.D | 24 Oct 2024 23:26 | Internal Standrad Fail | RC/JU | Ok    |
| 31 | P4487-05MS  | BP-F27MS        | BF140019.D | 24 Oct 2024 23:54 | Internal Standrad Fail | RC/JU | Ok,M  |
| 32 | P4487-05MSD | BP-F27MSD       | BF140020.D | 25 Oct 2024 00:22 | Internal Standrad Fail | RC/JU | Ok,M  |
| 33 | P4485-02    | D20241001-01-04 | BF140021.D | 25 Oct 2024 00:50 | Internal Standrad Fail | RC/JU | ReRun |
| 34 | P4512-03    | VNJ-212         | BF140022.D | 25 Oct 2024 01:19 | Internal Standrad Fail | RC/JU | ReRun |
| 35 | P4470-01    | CL-01-102124    | BF140023.D | 25 Oct 2024 01:46 |                        | RC/JU | Ok    |
| 36 | P4472-05    | BP-F-6          | BF140024.D | 25 Oct 2024 02:14 | Internal Standrad Fail | RC/JU | ReRun |

M : Manual Integration

Instrument ID: BNA\_F

**Daily Analysis Runlog For Sequence/QC Batch ID # BF102624**

|              |          |                      |                       |
|--------------|----------|----------------------|-----------------------|
| Review By    | yogesh   | Review On            | 10/29/2024 1:34:36 AM |
| Supervise By | mohammad | Supervise On         | 10/29/2024 1:38:32 AM |
| SubDirectory | BF102624 | HP Acquire Method    | BNA_F                 |
|              |          | HP Processing Method | bf101824              |

| STD. NAME                | STD REF.#                                               |
|--------------------------|---------------------------------------------------------|
| Tune/Reschk              | SP6573                                                  |
| Initial Calibration Stds | SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621 |
| CCC                      | SP6624                                                  |
| Internal Standard/PEM    | S12323,10ul/1000ul sample                               |
| ICV/I.BLK                | SP6559                                                  |
| Surrogate Standard       |                                                         |
| MS/MSD Standard          |                                                         |
| LCS Standard             |                                                         |

| Sr# | SampleID    | ClientID     | Data File Name | Date-Time         | Comment | Operator | Status |
|-----|-------------|--------------|----------------|-------------------|---------|----------|--------|
| 1   | DFTPP       | DFTPP        | BF140049.D     | 26 Oct 2024 10:10 |         | RC/JU    | Ok     |
| 2   | SSTDCCC040  | SSTDCCC040   | BF140050.D     | 26 Oct 2024 10:38 |         | RC/JU    | Ok,M   |
| 3   | PB164401BL  | PB164401BL   | BF140051.D     | 26 Oct 2024 11:06 |         | RC/JU    | Ok     |
| 4   | PB164401BS  | PB164401BS   | BF140052.D     | 26 Oct 2024 11:34 |         | RC/JU    | Ok,M   |
| 5   | P4508-09    | BP-F22       | BF140053.D     | 26 Oct 2024 12:06 |         | RC/JU    | Ok     |
| 6   | P4508-09MS  | BP-F22MS     | BF140054.D     | 26 Oct 2024 12:34 |         | RC/JU    | Ok,M   |
| 7   | P4508-09MSD | BP-F22MSD    | BF140055.D     | 26 Oct 2024 13:02 |         | RC/JU    | Ok,M   |
| 8   | P4547-05    | BP-F-20      | BF140056.D     | 26 Oct 2024 13:30 |         | RC/JU    | Ok     |
| 9   | P4547-05MS  | BP-F-20MS    | BF140057.D     | 26 Oct 2024 13:58 |         | RC/JU    | Ok,M   |
| 10  | P4547-05MSD | BP-F-20MSD   | BF140058.D     | 26 Oct 2024 14:27 |         | RC/JU    | Ok,M   |
| 11  | P4508-05    | BP-F23       | BF140059.D     | 26 Oct 2024 14:55 |         | RC/JU    | Ok     |
| 12  | P4517-07    | FOREST-ST-CO | BF140060.D     | 26 Oct 2024 15:23 |         | RC/JU    | Ok     |
| 13  | P4487-08    | BP-B27       | BF140061.D     | 26 Oct 2024 15:51 |         | RC/JU    | Ok     |
| 14  | P4460-04    | WB-303-BOT   | BF140062.D     | 26 Oct 2024 16:20 |         | RC/JU    | Ok     |
| 15  | P4460-03    | WB-303-BOT   | BF140063.D     | 26 Oct 2024 16:48 |         | RC/JU    | Ok     |
| 16  | P4471-02    | B-180-SB02   | BF140064.D     | 26 Oct 2024 17:16 |         | RC/JU    | Ok     |
| 17  | P4508-12    | BP-F22       | BF140065.D     | 26 Oct 2024 17:44 |         | RC/JU    | Ok     |
| 18  | P4508-04    | TP-3         | BF140066.D     | 26 Oct 2024 18:12 |         | RC/JU    | Ok     |

Instrument ID: BNA\_F

**Daily Analysis Runlog For Sequence/QC Batch ID # BF102624**

| Review By                | yogesh                                                  | Review On         | 10/29/2024 1:34:36 AM |                      |          |
|--------------------------|---------------------------------------------------------|-------------------|-----------------------|----------------------|----------|
| Supervise By             | mohammad                                                | Supervise On      | 10/29/2024 1:38:32 AM |                      |          |
| SubDirectory             | BF102624                                                | HP Acquire Method | BNA_F                 | HP Processing Method | bf101824 |
| STD. NAME                | STD REF.#                                               |                   |                       |                      |          |
| Tune/Reschk              | SP6573                                                  |                   |                       |                      |          |
| Initial Calibration Stds | SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621 |                   |                       |                      |          |
| CCC                      | SP6624                                                  |                   |                       |                      |          |
| Internal Standard/PEM    | S12323,10ul/1000ul sample                               |                   |                       |                      |          |
| ICV/I.BLK                | SP6559                                                  |                   |                       |                      |          |
| Surrogate Standard       |                                                         |                   |                       |                      |          |
| MS/MSD Standard          |                                                         |                   |                       |                      |          |
| LCS Standard             |                                                         |                   |                       |                      |          |

|    |          |                |            |                   |  |       |      |
|----|----------|----------------|------------|-------------------|--|-------|------|
| 19 | P4508-08 | BP-F23         | BF140067.D | 26 Oct 2024 18:40 |  | RC/JU | Ok   |
| 20 | P4460-02 | WB-303-TOP     | BF140068.D | 26 Oct 2024 19:09 |  | RC/JU | Ok,M |
| 21 | P4547-01 | BP-F-21        | BF140069.D | 26 Oct 2024 19:37 |  | RC/JU | Ok   |
| 22 | P4508-01 | TP-3           | BF140070.D | 26 Oct 2024 20:05 |  | RC/JU | Ok   |
| 23 | P4545-01 | VNJ-215        | BF140071.D | 26 Oct 2024 20:33 |  | RC/JU | Ok,M |
| 24 | P4509-01 | AU-06-10232024 | BF140072.D | 26 Oct 2024 21:01 |  | RC/JU | Ok,M |
| 25 | P4531-01 | OR-03-102424   | BF140073.D | 26 Oct 2024 21:29 |  | RC/JU | Ok,M |

M : Manual Integration





PERCENT SOLID

Supervisor: Iwona  
Analyst: jignesh  
Date: 10/23/2024

OVENTEMP IN Celsius(°C): 107  
Time IN: 16:40  
In Date: 10/21/2024  
Weight Check 1.0g: 1.00  
Weight Check 10g: 10.00  
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103  
Time OUT: 08:15  
Out Date: 10/22/2024  
Weight Check 1.0g: 1.00  
Weight Check 10g: 10.00  
BalanceID: M SC-4  
Thermometer ID: % SOLID- OVEN

QC:LB133030

| Lab ID   | Client SampleID | Dish # | Dish Wt(g) (A) | Sample Wt(g) | Dish + Sample Wt(g) (B) | Dish+Dry Sample Wt(g) (C) | % Solid | Comments        |
|----------|-----------------|--------|----------------|--------------|-------------------------|---------------------------|---------|-----------------|
| P4416-01 | A0BD7           | 1      | 1.15           | 8.81         | 9.96                    | 8.6                       | 84.6    |                 |
| P4416-02 | A0BD8           | 2      | 1.12           | 8.61         | 9.73                    | 7.33                      | 72.1    |                 |
| P4416-03 | A0BD8MS         | 3      | 1.12           | 8.61         | 9.73                    | 7.33                      | 72.1    |                 |
| P4416-04 | A0BD8MSD        | 4      | 1.12           | 8.61         | 9.73                    | 7.33                      | 72.1    |                 |
| P4467-01 | TP-1            | 5      | 1.15           | 8.84         | 9.99                    | 9.17                      | 90.7    |                 |
| P4467-02 | TP-1-EPH        | 6      | 1.17           | 8.60         | 9.77                    | 8.89                      | 89.8    |                 |
| P4467-03 | TP-1-VOC        | 7      | 1.15           | 8.57         | 9.72                    | 8.87                      | 90.1    |                 |
| P4468-01 | ETGI-331        | 8      | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   | CONCRETE sample |
| P4468-03 | ETGI-329        | 9      | 1.15           | 8.82         | 9.97                    | 9.35                      | 93.0    |                 |
| P4468-05 | ETGI-345        | 10     | 1.12           | 8.75         | 9.87                    | 9.11                      | 91.3    |                 |
| P4469-01 | 16-PIPE         | 11     | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   | wipe sample     |
| P4469-02 | 21-PIPE         | 12     | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   | wipe sample     |
| P4469-03 | 32-PIPE         | 13     | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   | wipe sample     |
| P4469-04 | 34-PIPE         | 14     | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   | wipe sample     |
| P4470-01 | CL-01-102124    | 15     | 1.12           | 8.75         | 9.87                    | 9.39                      | 94.5    |                 |
| P4470-02 | CL-01-102124-E2 | 16     | 1.12           | 8.76         | 9.88                    | 9.36                      | 94.1    |                 |
| P4471-01 | B-180-SB01      | 17     | 1.18           | 8.59         | 9.77                    | 8.29                      | 82.8    |                 |
| P4471-02 | B-180-SB02      | 18     | 1.16           | 8.80         | 9.96                    | 5.49                      | 49.2    |                 |
| P4472-01 | BP-F-28         | 19     | 1.16           | 8.46         | 9.62                    | 8.75                      | 89.7    |                 |
| P4472-02 | BP-F-28-VOC     | 20     | 1.18           | 8.45         | 9.63                    | 8.92                      | 91.6    |                 |
| P4472-03 | BP-F-28-EPH     | 21     | 1.15           | 8.64         | 9.79                    | 8.94                      | 90.2    |                 |
| P4472-05 | BP-F-6          | 22     | 1.18           | 8.58         | 9.76                    | 9.00                      | 91.1    |                 |
| P4472-06 | BP-F-6-VOC      | 23     | 1.15           | 8.83         | 9.98                    | 9.31                      | 92.4    |                 |
| P4472-07 | BP-F-6-EPH      | 24     | 1.16           | 8.83         | 9.99                    | 9.35                      | 92.8    |                 |

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

# WORKLIST(Hardcopy Internal Chain)

WorkList Name : %1-102124      WorkList ID : 184616      Department : Wet-Chemistry      Date : 10-21-2024 08:15:10

| Sample   | Customer Sample | Matrix | Test           | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method       |
|----------|-----------------|--------|----------------|--------------|----------|-----------------------------|--------------|--------------|
| P4416-01 | A0BD7           | Solid  | Percent Solids | Cool 4 deg C | USEP04   | Q11                         | 10/09/2024   | Chemtech -SO |
| P4416-02 | A0BD8           | Solid  | Percent Solids | Cool 4 deg C | USEP04   | Q11                         | 10/15/2024   | Chemtech -SO |
| P4416-03 | A0BD8MS         | Solid  | Percent Solids | Cool 4 deg C | USEP04   | Q11                         | 10/15/2024   | Chemtech -SO |
| P4416-04 | A0BD8MSD        | Solid  | Percent Solids | Cool 4 deg C | USEP04   | Q11                         | 10/15/2024   | Chemtech -SO |
| P4467-01 | TP-1            | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | K41                         | 10/21/2024   | Chemtech -SO |
| P4467-02 | TP-1-EPH        | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | K41                         | 10/21/2024   | Chemtech -SO |
| P4467-03 | TP-1-VOC        | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | K41                         | 10/21/2024   | Chemtech -SO |
| P4468-01 | ETGI-331        | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | K51                         | 10/21/2024   | Chemtech -SO |
| P4468-03 | ETGI-329        | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | K51                         | 10/21/2024   | Chemtech -SO |
| P4468-05 | ETGI-345        | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | K51                         | 10/21/2024   | Chemtech -SO |
| P4469-01 | 16-PIPE         | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | K61                         | 10/21/2024   | Chemtech -SO |
| P4469-02 | 21-PIPE         | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | K61                         | 10/21/2024   | Chemtech -SO |
| P4469-03 | 32-PIPE         | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | K61                         | 10/21/2024   | Chemtech -SO |
| P4469-04 | 34-PIPE         | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | K61                         | 10/21/2024   | Chemtech -SO |
| P4470-01 | CL-01-102124    | Solid  | Percent Solids | Cool 4 deg C | PSEG05   | K51                         | 10/21/2024   | Chemtech -SO |
| P4470-02 | CL-01-102124-E2 | Solid  | Percent Solids | Cool 4 deg C | PSEG05   | K51                         | 10/21/2024   | Chemtech -SO |
| P4471-01 | B-180-SB01      | Solid  | Percent Solids | Cool 4 deg C | PORT06   | J61                         | 10/19/2024   | Chemtech -SO |
| P4471-02 | B-180-SB02      | Solid  | Percent Solids | Cool 4 deg C | PORT06   | J61                         | 10/20/2024   | Chemtech -SO |
| P4472-01 | BP-F-28         | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | K51                         | 10/21/2024   | Chemtech -SO |
| P4472-02 | BP-F-28-VOC     | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | K51                         | 10/21/2024   | Chemtech -SO |
| P4472-03 | BP-F-28-EPH     | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | K51                         | 10/21/2024   | Chemtech -SO |

Date/Time 10/21/24 15:35      Date/Time 10/21/24 17:10  
 Raw Sample Received by: 1060C      Raw Sample Received by: CL SW  
 Raw Sample Relinquished by: CL SW      Raw Sample Relinquished by: CL SW

# WORKLIST(Hardcopy Internal Chain)

8133030

WorkList Name : %1-102124      WorkList ID : 184616      Department : Wet-Chemistry      Date : 10-21-2024 08:15:10

| Sample   | Customer Sample | Matrix | Test           | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method       |
|----------|-----------------|--------|----------------|--------------|----------|-----------------------------|--------------|--------------|
| P4472-05 | BP-F-6          | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | K51                         | 10/21/2024   | Chemtech -SO |
| P4472-06 | BP-F-6-VOC      | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | K51                         | 10/21/2024   | Chemtech -SO |
| P4472-07 | BP-F-6-EPH      | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | K51                         | 10/21/2024   | Chemtech -SO |

Date/Time 10/21/24 15:35  
 Raw Sample Received by: sl wdc  
 Raw Sample Relinquished by: sl wdc

Date/Time 10/21/24 17:10  
 Raw Sample Received by: sl wdc  
 Raw Sample Relinquished by: sl wdc

|                           |                                                                                                                                                                                                                      |                                |            |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|------------|
| <b>SOP ID:</b>            | M3541-ASE Extraction-14                                                                                                                                                                                              |                                |            |
| <b>Clean Up SOP #:</b>    | N/A                                                                                                                                                                                                                  | <b>Extraction Start Date :</b> | 10/22/2024 |
| <b>Matrix :</b>           | Solid                                                                                                                                                                                                                | <b>Extraction Start Time :</b> | 10:44      |
| <b>Weigh By:</b>          | EH                                                                                                                                                                                                                   | <b>Extraction By:</b>          | RJ         |
| <b>Balance check:</b>     | RJ                                                                                                                                                                                                                   | <b>Extraction End Date :</b>   | 10/22/2024 |
| <b>Balance ID:</b>        | EX-SC-2                                                                                                                                                                                                              | <b>Filter By:</b>              | RJ         |
| <b>pH Strip Lot#:</b>     | N/A                                                                                                                                                                                                                  | <b>Extraction End Time :</b>   | 13:55      |
|                           |                                                                                                                                                                                                                      | <b>Concentration By:</b>       | EH         |
|                           |                                                                                                                                                                                                                      | <b>Supervisor By :</b>         | rajesh     |
| <b>Extraction Method:</b> | <input type="checkbox"/> Separatory Funnel <input type="checkbox"/> Continious Liquid/Liquid <input type="checkbox"/> Sonication <input type="checkbox"/> Waste Dilution <input checked="" type="checkbox"/> Soxhlet |                                |            |

| Standarded Name | MLS USED | Concentration ug/mL | STD REF. # FROM LOG |
|-----------------|----------|---------------------|---------------------|
| Spike Sol 1     | 1.0ML    | 50/100 PPM          | SP6630              |
| Surrogate       | 1.0ML    | 100/150 PPM         | SP6638              |
| 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 |
|--------------------|----------------|------------|
| MeCl2/Acetone/1:1  | N/A            | EP2538     |
| Baked Na2SO4       | N/A            | EP2551     |
| Sand               | N/A            | E2865      |
| Methylene Chloride | N/A            | E3817      |
| N/A                | N/A            | N/A        |
| N/A                | N/A            | N/A        |
| N/A                | N/A            | N/A        |
| N/A                | N/A            | N/A        |
| N/A                | N/A            | N/A        |
| N/A                | N/A            | N/A        |
| 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# 2210673.

|                             |     |                           |          |
|-----------------------------|-----|---------------------------|----------|
| <b>KD Bath ID:</b>          | N/A | <b>Envap ID:</b>          | NEVAP-02 |
| <b>KD Bath Temperature:</b> | N/A | <b>Envap Temperature:</b> | 40 °C    |

| Date / Time       | Prepped Sample Relinquished By/Location | Received By/Location |
|-------------------|-----------------------------------------|----------------------|
| 10/22/24<br>14:00 | RP (Ext. Lab)                           | AC/SVOC              |
|                   | Preparation Group                       | Analysis Group       |

Analytical Method: M3541-ASE Extraction-14

Concentration Date: 10/22/2024

| Sample ID       | Client Sample ID | Test                | g/mL  | PH  | Surr/Spike By: |            | Final Vol.<br>(mL) | JarID | Comments | Prep<br>Pos |
|-----------------|------------------|---------------------|-------|-----|----------------|------------|--------------------|-------|----------|-------------|
|                 |                  |                     |       |     | AddedBy        | VerifiedBy |                    |       |          |             |
| PB164312BL      | SBLK312          | SVOC-TCL BNA<br>-20 | 30.01 | N/A | ritesh         | Evelyn     | 1                  |       |          | U5-1        |
| PB164312BS      | SLCS312          | SVOC-TCL BNA<br>-20 | 30.02 | N/A | ritesh         | Evelyn     | 1                  |       |          | 2           |
| P4467-01        | TP-1             | SVOC-TCL BNA<br>-20 | 50.05 | N/A | ritesh         | Evelyn     | 1                  | E     |          | 3           |
| P4467-01MS      | TP-1MS           | SVOC-TCL BNA<br>-20 | 50.03 | N/A | ritesh         | Evelyn     | 1                  | E     |          | 4           |
| P4467-01MS<br>D | TP-1MSD          | SVOC-TCL BNA<br>-20 | 50.06 | N/A | ritesh         | Evelyn     | 1                  | E     |          | 5           |
| P4468-01        | ETGI-331         | SVOC-PAH            | 50.09 | N/A | ritesh         | Evelyn     | 1                  |       | Concrete | 6           |
| P4468-03        | ETGI-329         | SVOC-TCL BNA<br>-20 | 50.07 | N/A | ritesh         | Evelyn     | 1                  | E     |          | U6-1        |
| P4468-05        | ETGI-345         | SVOC-TCL BNA<br>-20 | 50.10 | N/A | ritesh         | Evelyn     | 1                  | E     |          | 2           |
| P4470-01        | CL-01-102124     | SVOC-TCL BNA<br>-20 | 50.03 | N/A | ritesh         | Evelyn     | 1                  | E     |          | 3           |
| P4471-01        | B-180-SB01       | SVOC-TCL BNA<br>-20 | 30.06 | N/A | ritesh         | Evelyn     | 1                  | E     |          | 4           |
| P4471-02        | B-180-SB02       | SVOC-TCL BNA<br>-20 | 30.02 | N/A | ritesh         | Evelyn     | 1                  | E     |          | 5           |
| P4472-01        | BP-F-28          | SVOC-TCL BNA<br>-20 | 50.04 | N/A | ritesh         | Evelyn     | 1                  | E     |          | 6           |
| P4472-05        | BP-F-6           | SVOC-TCL BNA<br>-20 | 50.08 | N/A | ritesh         | Evelyn     | 1                  | E     |          | U1-1        |
| P4473-01        | TS-1             | SVOC-TCL BNA<br>-20 | 30.04 | N/A | ritesh         | Evelyn     | 1                  | C     |          | 2           |
| P4474-01        | TS-2             | SVOC-TCL BNA<br>-20 | 30.08 | N/A | ritesh         | Evelyn     | 1                  | B     |          | 3           |

\* Extracts relinquished on the same date as received.



164310  
10/24

# WORKLIST(Hardcopy Internal Chain)

WorkList Name : P4470

WorkList ID : 184651

Department : Extraction

Date : 10-22-2024 08:24:48

| Sample   | Customer Sample | Matrix | Test             | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method |
|----------|-----------------|--------|------------------|--------------|----------|-----------------------------|--------------|--------|
| P4467-01 | TP-1            | Solid  | SVOC-TCL BNA -20 | Cool 4 deg C | PSEG03   | K41                         | 10/21/2024   | 8270E  |
| P4468-01 | ETGI-331        | Solid  | SVOC-PAH         | Cool 4 deg C | PSEG03   | K51                         | 10/21/2024   | 8270E  |
| P4468-03 | ETGI-329        | Solid  | SVOC-TCL BNA -20 | Cool 4 deg C | PSEG03   | K51                         | 10/21/2024   | 8270E  |
| P4468-05 | ETGI-345        | Solid  | SVOC-TCL BNA -20 | Cool 4 deg C | PSEG03   | K51                         | 10/21/2024   | 8270E  |
| P4470-01 | CL-01-102124    | Solid  | SVOC-TCL BNA -20 | Cool 4 deg C | PSEG05   | K51                         | 10/21/2024   | 8270E  |
| P4471-01 | B-180-SB01      | Solid  | SVOC-TCL BNA -20 | Cool 4 deg C | PORT06   | J61                         | 10/19/2024   | 8270E  |
| P4471-02 | B-180-SB02      | Solid  | SVOC-TCL BNA -20 | Cool 4 deg C | PORT06   | J61                         | 10/20/2024   | 8270E  |
| P4472-01 | BP-F-28         | Solid  | SVOC-TCL BNA -20 | Cool 4 deg C | PSEG03   | K51                         | 10/21/2024   | 8270E  |
| P4472-05 | BP-F-6          | Solid  | SVOC-TCL BNA -20 | Cool 4 deg C | PSEG03   | K51                         | 10/21/2024   | 8270E  |
| P4473-01 | TS-1            | Solid  | SVOC-TCL BNA -20 | Cool 4 deg C | YANN01   | K61                         | 10/18/2024   | 8270E  |
| P4474-01 | TS-2            | Solid  | SVOC-TCL BNA -20 | Cool 4 deg C | YANN01   | K61                         | 10/18/2024   | 8270E  |

Date/Time 10/22/24 10:40  
Raw Sample Received by: [Signature]  
Raw Sample Relinquished by: [Signature]

Date/Time 10/22/24 11:05  
Raw Sample Received by: [Signature]  
Raw Sample Relinquished by: [Signature]



# SHIPPING DOCUMENTS

| CLIENT INFORMATION                                                                                                                                                            |                                  |                             |                | CLIENT PROJECT INFORMATION                                                                                                                                                                                                                                                                                                                                                                                                                                             |                      |                                                                                                                                                                                              |              | CLIENT BILLING INFORMATION                                                                                                                                             |   |   |   |   |   |   |   |   |                                                                                        |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|-----------------------------|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|---|---|---|---|---|---|---|----------------------------------------------------------------------------------------|
| REPORT TO BE SENT TO:<br>COMPANY: GANNETT FLEMING<br>ADDRESS: 1010 ADAMS AVENUE<br>CITY: AUDUBON STATE: NJ ZIP: 19403<br>ATTENTION: JOE KRUPANSKY<br>PHONE: 610-301-8342 FAX: |                                  |                             |                | PROJECT NAME: AMTRAK'S REPLACEMENT OF SAWTOOTH BRIDGES<br>PROJECT NO.: 9500000878 LOCATION: KEARNY, NJ<br>PROJECT MANAGER: JOE KRUPANSKY<br>e-mail: QAQC@bemsys.com<br>PHONE: 610-301-8342 FAX:                                                                                                                                                                                                                                                                        |                      |                                                                                                                                                                                              |              | BILL TO: CHEMTECH PO#:<br>ADDRESS: 284 SHEFFIELD ST<br>CITY: MOUNTAINSIDE STATE: NJ ZIP: 07092<br>ATTENTION: SAMANTHA BEADLEY PHONE: 908-789-7225<br>ANALYSIS 728-3148 |   |   |   |   |   |   |   |   |                                                                                        |
| DATA TURNAROUND INFORMATION                                                                                                                                                   |                                  |                             |                | DATA DELIVERABLE INFORMATION                                                                                                                                                                                                                                                                                                                                                                                                                                           |                      |                                                                                                                                                                                              |              |                                                                                                                                                                        |   |   |   |   |   |   |   |   |                                                                                        |
| FAX (RUSH) _____ DAYS*<br>HARDCOPY (DATA PACKAGE): 10 DAYS*<br>EDD: 10 DAYS*<br>*TO BE APPROVED BY CHEMTECH<br>STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS DAYS          |                                  |                             |                | <input type="checkbox"/> Level 1 (Results Only) <input type="checkbox"/> Level 4 (QC + Full Raw Data)<br><input type="checkbox"/> Level 2 (Results + QC) <input checked="" type="checkbox"/> NJ Reduced <input type="checkbox"/> US EPA CLP<br><input type="checkbox"/> Level 3 (Results + QC) <input type="checkbox"/> NYS ASP A <input type="checkbox"/> NYS ASP B<br>+ Raw Data <input type="checkbox"/> Other _____<br><input type="checkbox"/> EDD FORMAT BEM EDD |                      |                                                                                                                                                                                              |              | 1 TCL VOC+10<br>2 TCL PAH<br>3 PCBs<br>4 TAL METALS<br>5 EPA<br>6 CR (VI)<br>7 CR (III)<br>8<br>9                                                                      |   |   |   |   |   |   |   |   |                                                                                        |
| CHEMTECH<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 D-NaOH<br>B-HNO3 E-ICE<br>C-H2SO4 F-OTHER |
|                                                                                                                                                                               |                                  |                             | COMP           | GRAB                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | DATE                 | TIME                                                                                                                                                                                         |              | 1                                                                                                                                                                      | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |                                                                                        |
| 1.                                                                                                                                                                            | B-180-SB01                       | S                           |                | ✓                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 10/19/24             | 200                                                                                                                                                                                          | 4            | x                                                                                                                                                                      | x | x | x | x | x | x |   |   | 5                                                                                      |
| 2.                                                                                                                                                                            | B-180-SB02                       | S                           |                | ✓                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 10/20/24             | 1245                                                                                                                                                                                         | 4            | x                                                                                                                                                                      | x | x | x | x | x | x |   |   | 7                                                                                      |
| 3.                                                                                                                                                                            | TB100824                         | W                           |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 10/08/24             | 16/08/24                                                                                                                                                                                     | 2            | x                                                                                                                                                                      |   |   |   |   |   |   |   |   |                                                                                        |
| 4.                                                                                                                                                                            |                                  |                             |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                      |                                                                                                                                                                                              |              |                                                                                                                                                                        |   |   |   |   |   |   |   |   |                                                                                        |
| 5.                                                                                                                                                                            |                                  |                             |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                      |                                                                                                                                                                                              |              |                                                                                                                                                                        |   |   |   |   |   |   |   |   |                                                                                        |
| 6.                                                                                                                                                                            |                                  |                             |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                      |                                                                                                                                                                                              |              |                                                                                                                                                                        |   |   |   |   |   |   |   |   |                                                                                        |
| 7.                                                                                                                                                                            |                                  |                             |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                      |                                                                                                                                                                                              |              |                                                                                                                                                                        |   |   |   |   |   |   |   |   |                                                                                        |
| 8.                                                                                                                                                                            |                                  |                             |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                      |                                                                                                                                                                                              |              |                                                                                                                                                                        |   |   |   |   |   |   |   |   |                                                                                        |
| 9.                                                                                                                                                                            |                                  |                             |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                      |                                                                                                                                                                                              |              |                                                                                                                                                                        |   |   |   |   |   |   |   |   |                                                                                        |
| 10.                                                                                                                                                                           |                                  |                             |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                      |                                                                                                                                                                                              |              |                                                                                                                                                                        |   |   |   |   |   |   |   |   |                                                                                        |
| SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY                                                                        |                                  |                             |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                      |                                                                                                                                                                                              |              |                                                                                                                                                                        |   |   |   |   |   |   |   |   |                                                                                        |
| RELINQUISHED BY SAMPLER:<br>1. [Signature]                                                                                                                                    |                                  | DATE/TIME:<br>10/21/24 1240 |                | RECEIVED BY:<br>1. [Signature]                                                                                                                                                                                                                                                                                                                                                                                                                                         |                      | Conditions of bottles or coolers at receipt: <input type="checkbox"/> COMPLIANT <input type="checkbox"/> NON COMPLIANT <input type="checkbox"/> COOLER TEMP 23.0 °C<br>Comments: JH. Gunt #1 |              |                                                                                                                                                                        |   |   |   |   |   |   |   |   |                                                                                        |
| RELINQUISHED BY SAMPLER:<br>2.                                                                                                                                                |                                  | DATE/TIME:                  |                | RECEIVED BY:<br>2.                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                      |                                                                                                                                                                                              |              |                                                                                                                                                                        |   |   |   |   |   |   |   |   |                                                                                        |
| RELINQUISHED BY SAMPLER:<br>3.                                                                                                                                                |                                  | DATE/TIME:                  |                | RECEIVED BY:<br>3.                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                      |                                                                                                                                                                                              |              |                                                                                                                                                                        |   |   |   |   |   |   |   |   |                                                                                        |
| Page ____ of ____                                                                                                                                                             |                                  |                             |                | CLIENT: <input type="checkbox"/> Hand Delivered <input type="checkbox"/> Other _____<br>CHEMTECH: <input type="checkbox"/> Picked Up <input type="checkbox"/> Field Sampling                                                                                                                                                                                                                                                                                           |                      |                                                                                                                                                                                              |              | Shipment Complete<br><input type="checkbox"/> YES <input type="checkbox"/> NO                                                                                          |   |   |   |   |   |   |   |   |                                                                                        |



**Shreena**

---

**To:** jkrupansky@gfnet.com  
**Subject:** P4471

Good afternoon,

Just informing you P4471 samples were received out of temp.

Best Regards,



**Yazmeen Gomez**  
Sr. Project Manager, CHEMTECH Laboratory  
**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)



284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

## Laboratory Certification

| Certified By         | License No.      |
|----------------------|------------------|
| CAS EPA CLP Contract | 68HERH20D0011    |
| Connecticut          | PH-0830          |
| DOD ELAP (L-A-B)     | L2219            |
| Maine                | 2024021          |
| Maryland             | 296              |
| New Hampshire        | 255423           |
| New Jersey           | 20012            |
| New York             | 11376            |
| Pennsylvania         | 68-00548         |
| Soil Permit          | 525-24-234-08441 |
| Texas                | T104704488       |