

## Cover Page

**Order ID :** Q1447

**Project ID :** Nelson

**Client :** G Environmental

**Lab Sample Number**

Q1447-01

Q1447-02

**Client Sample Number**

WC1

WC1

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: 3/6/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

## 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 #: Q1447

Completed

For thorough review, the report must have the following:

#### GENERAL:

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

✓

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

✓

Is the chain of custody signed and complete

✓

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

✓

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

✓

#### COVER PAGE:

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

✓

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

✓

#### CHAIN OF CUSTODY:

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

✓

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

✓

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

✓

Were the samples received within hold time

✓

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

✓

#### ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

QA Review Signature: PRADIP PRAJAPATI

Date: 03/06/2025

## LAB CHRONICLE

|                 |                 |                   |                          |
|-----------------|-----------------|-------------------|--------------------------|
| <b>OrderID:</b> | Q1447           | <b>OrderDate:</b> | 2/26/2025 2:32:53 PM     |
| <b>Client:</b>  | G Environmental | <b>Project:</b>   | Nelson                   |
| <b>Contact:</b> | Gary Landis     | <b>Location:</b>  | H31,H33,VOA Ref. #2 Soil |

| LabID    | ClientID | Matrix | Test             | Method | Sample Date | Prep Date | Anal Date | Received |
|----------|----------|--------|------------------|--------|-------------|-----------|-----------|----------|
| Q1447-01 | WC1      | SOIL   | SVOC-TCL BNA -20 | 8270E  | 02/23/25    | 03/03/25  | 03/03/25  | 02/26/25 |



### Hit Summary Sheet SW-846

**SDG No.:** Q1447  
**Client:** G Environmental

| Sample ID                   | Client ID | Matrix | Parameter                          | Concentration    | C         | MDL  | RDL | Units |
|-----------------------------|-----------|--------|------------------------------------|------------------|-----------|------|-----|-------|
| <b>Client ID : WC1</b>      |           |        |                                    |                  |           |      |     |       |
| Q1447-01                    | WC1       | SOIL   | Naphthalene                        | 94.700           | J         | 89.2 | 180 | ug/Kg |
| Q1447-01                    | WC1       | SOIL   | Bis(2-ethylhexyl)phthalate         | 1,400.000        |           | 98.3 | 180 | ug/Kg |
| <b>Total Svoc :</b>         |           |        |                                    | <b>1,494.70</b>  |           |      |     |       |
| Q1447-01                    | WC1       | SOIL   | 1-Dodecene                         | *                | 260.000   | J 0  | 0   | ug/Kg |
| Q1447-01                    | WC1       | SOIL   | 2,5-Cyclohexadiene-1,4-dione, 2,6  | *                | 390.000   | J 0  | 0   | ug/Kg |
| Q1447-01                    | WC1       | SOIL   | Benzene, 1,2,4,5-tetramethyl-      | *                | 380.000   | J 0  | 0   | ug/Kg |
| Q1447-01                    | WC1       | SOIL   | Benzene, 1-cyclohexyl-3-methyl-    | *                | 680.000   | J 0  | 0   | ug/Kg |
| Q1447-01                    | WC1       | SOIL   | Cyclohexane, (2-methylpropyl)-     | *                | 320.000   | J 0  | 0   | ug/Kg |
| Q1447-01                    | WC1       | SOIL   | Cyclohexane, 1-methyl-2-propyl-    | *                | 210.000   | J 0  | 0   | ug/Kg |
| Q1447-01                    | WC1       | SOIL   | Cyclohexane, pentyl-               | *                | 570.000   | J 0  | 0   | ug/Kg |
| Q1447-01                    | WC1       | SOIL   | Decane, 3,7-dimethyl-              | *                | 1,700.000 | J 0  | 0   | ug/Kg |
| Q1447-01                    | WC1       | SOIL   | Mesitylene                         | *                | 430.000   | J 0  | 0   | ug/Kg |
| Q1447-01                    | WC1       | SOIL   | Naphthalene, decahydro-, trans-    | *                | 320.000   | J 0  | 0   | ug/Kg |
| Q1447-01                    | WC1       | SOIL   | o-Cymene                           | *                | 170.000   | J 0  | 0   | ug/Kg |
| Q1447-01                    | WC1       | SOIL   | Sulfurous acid, 2-ethylhexyl tride | *                | 720.000   | J 0  | 0   | ug/Kg |
| Q1447-01                    | WC1       | SOIL   | Tetratetracontane                  | *                | 820.000   | J 0  | 0   | ug/Kg |
| Q1447-01                    | WC1       | SOIL   | Tridecane, 6-methyl-               | *                | 490.000   | J 0  | 0   | ug/Kg |
| Q1447-01                    | WC1       | SOIL   | unknown6.145                       | *                | 220.000   | J 0  | 0   | ug/Kg |
| Q1447-01                    | WC1       | SOIL   | unknown7.004                       | *                | 250.000   | J 0  | 0   | ug/Kg |
| Q1447-01                    | WC1       | SOIL   | unknown7.534                       | *                | 650.000   | J 0  | 0   | ug/Kg |
| Q1447-01                    | WC1       | SOIL   | unknown7.816                       | *                | 190.000   | J 0  | 0   | ug/Kg |
| Q1447-01                    | WC1       | SOIL   | unknown8.104                       | *                | 420.000   | J 0  | 0   | ug/Kg |
| Q1447-01                    | WC1       | SOIL   | unknown8.410                       | *                | 180.000   | J 0  | 0   | ug/Kg |
| <b>Total Tics :</b>         |           |        |                                    | <b>9,370.00</b>  |           |      |     |       |
| <b>Total Concentration:</b> |           |        |                                    | <b>10,864.70</b> |           |      |     |       |



# QC SUMMARY

## Surrogate Summary

SW-846

SDG No.: Q1447

Client: G Environmental

Analytical Method: 8270E

| Lab Sample ID | Client ID         | Parameter            | Spike (PPM) | Result (PPM) | Recovery (%) | Qual | Limits (%) |           |
|---------------|-------------------|----------------------|-------------|--------------|--------------|------|------------|-----------|
|               |                   |                      |             |              |              |      | Low        | High      |
| PB166957BL    | PB166957BL        | 2-Fluorophenol       | 150         | 125          | 83           |      | 30 (18)    | 130 (112) |
|               |                   | Phenol-d6            | 150         | 119          | 79           |      | 30 (15)    | 130 (107) |
|               |                   | Nitrobenzene-d5      | 100         | 102          | 102          |      | 30 (18)    | 130 (107) |
|               |                   | 2-Fluorobiphenyl     | 100         | 87.8         | 88           |      | 30 (20)    | 130 (109) |
|               |                   | 2,4,6-Tribromophenol | 150         | 143          | 95           |      | 30 (10)    | 130 (116) |
|               |                   | Terphenyl-d14        | 100         | 74.8         | 75           |      | 30 (10)    | 130 (105) |
| PB166957BS    | PB166957BS        | 2-Fluorophenol       | 150         | 125          | 84           |      | 30 (18)    | 130 (112) |
|               |                   | Phenol-d6            | 150         | 123          | 82           |      | 30 (15)    | 130 (107) |
|               |                   | Nitrobenzene-d5      | 100         | 104          | 104          |      | 30 (18)    | 130 (107) |
|               |                   | 2-Fluorobiphenyl     | 100         | 90.1         | 90           |      | 30 (20)    | 130 (109) |
|               |                   | 2,4,6-Tribromophenol | 150         | 147          | 98           |      | 30 (10)    | 130 (116) |
|               |                   | Terphenyl-d14        | 100         | 89.1         | 89           |      | 30 (10)    | 130 (105) |
| Q1447-01      | WC1               | 2-Fluorophenol       | 150         | 86.1         | 57           |      | 30 (18)    | 130 (112) |
|               |                   | Phenol-d6            | 150         | 84.6         | 56           |      | 30 (15)    | 130 (107) |
|               |                   | Nitrobenzene-d5      | 100         | 70.8         | 71           |      | 30 (18)    | 130 (107) |
|               |                   | 2-Fluorobiphenyl     | 100         | 61.8         | 62           |      | 30 (20)    | 130 (109) |
|               |                   | 2,4,6-Tribromophenol | 150         | 91.0         | 61           |      | 30 (10)    | 130 (116) |
|               |                   | Terphenyl-d14        | 100         | 49.8         | 50           |      | 30 (10)    | 130 (105) |
| Q1475-01MS    | TR-04-02282025MS  | 2-Fluorophenol       | 150         | 114          | 76           |      | 30 (18)    | 130 (112) |
|               |                   | Phenol-d6            | 150         | 116          | 77           |      | 30 (15)    | 130 (107) |
|               |                   | Nitrobenzene-d5      | 100         | 85.1         | 85           |      | 30 (18)    | 130 (107) |
|               |                   | 2-Fluorobiphenyl     | 100         | 74.1         | 74           |      | 30 (20)    | 130 (109) |
|               |                   | 2,4,6-Tribromophenol | 150         | 134          | 89           |      | 30 (10)    | 130 (116) |
|               |                   | Terphenyl-d14        | 100         | 77.6         | 78           |      | 30 (10)    | 130 (105) |
| Q1475-01MSD   | TR-04-02282025MSD | 2-Fluorophenol       | 150         | 118          | 79           |      | 30 (18)    | 130 (112) |
|               |                   | Phenol-d6            | 150         | 120          | 80           |      | 30 (15)    | 130 (107) |
|               |                   | Nitrobenzene-d5      | 100         | 90.0         | 90           |      | 30 (18)    | 130 (107) |
|               |                   | 2-Fluorobiphenyl     | 100         | 76.4         | 76           |      | 30 (20)    | 130 (109) |
|               |                   | 2,4,6-Tribromophenol | 150         | 136          | 91           |      | 30 (10)    | 130 (116) |
|               |                   | Terphenyl-d14        | 100         | 81.9         | 82           |      | 30 (10)    | 130 (105) |

**Matrix Spike/Matrix Spike Duplicate Summary**

**SW-846**

**SDG No.:** Q1447

**Client:** G Environmental

**Analytical Method:** SW8270E

| Parameter                        | Spike | Sample Result                             | Result | Units                       | Rec | Rec Qual | RPD | RPD Qual | Low     | Limits High | RPD |
|----------------------------------|-------|-------------------------------------------|--------|-----------------------------|-----|----------|-----|----------|---------|-------------|-----|
| <b>Lab Sample ID: Q1475-01MS</b> |       | <b>Client Sample ID: TR-04-02282025MS</b> |        | <b>DataFile: BF141819.D</b> |     |          |     |          |         |             |     |
| Benzaldehyde                     | 1100  | 0                                         | 510    | ug/Kg                       | 46  |          |     |          | 20 (10) | 160 (86)    |     |
| Phenol                           | 1100  | 0                                         | 1000   | ug/Kg                       | 91  |          |     |          | 20 (67) | 160 (126)   |     |
| bis(2-Chloroethyl)ether          | 1100  | 0                                         | 930    | ug/Kg                       | 85  |          |     |          | 70 (54) | 130 (125)   |     |
| 2-Chlorophenol                   | 1100  | 0                                         | 950    | ug/Kg                       | 86  |          |     |          | 70 (79) | 130 (107)   |     |
| 2-Methylphenol                   | 1100  | 0                                         | 970    | ug/Kg                       | 88  |          |     |          | 70 (66) | 130 (122)   |     |
| 2,2-oxybis(1-Chloropropane)      | 1100  | 0                                         | 940    | ug/Kg                       | 85  |          |     |          | 70 (65) | 130 (110)   |     |
| Acetophenone                     | 1100  | 0                                         | 1000   | ug/Kg                       | 91  |          |     |          | 70 (75) | 130 (111)   |     |
| 3+4-Methylphenols                | 1100  | 0                                         | 1000   | ug/Kg                       | 91  |          |     |          | 20 (66) | 160 (104)   |     |
| N-Nitroso-di-n-propylamine       | 1100  | 0                                         | 910    | ug/Kg                       | 83  |          |     |          | 70 (59) | 130 (119)   |     |
| Hexachloroethane                 | 1100  | 0                                         | 930    | ug/Kg                       | 85  |          |     |          | 20 (65) | 160 (117)   |     |
| Nitrobenzene                     | 1100  | 0                                         | 1000   | ug/Kg                       | 91  |          |     |          | 70 (70) | 130 (119)   |     |
| Isophorone                       | 1100  | 0                                         | 940    | ug/Kg                       | 85  |          |     |          | 70 (76) | 130 (122)   |     |
| 2-Nitrophenol                    | 1100  | 0                                         | 880    | ug/Kg                       | 80  |          |     |          | 70 (54) | 130 (145)   |     |
| 2,4-Dimethylphenol               | 1100  | 0                                         | 1100   | ug/Kg                       | 100 |          |     |          | 70 (44) | 130 (135)   |     |
| bis(2-Chloroethoxy)methane       | 1100  | 0                                         | 880    | ug/Kg                       | 80  |          |     |          | 70 (68) | 130 (112)   |     |
| 2,4-Dichlorophenol               | 1100  | 0                                         | 970    | ug/Kg                       | 88  |          |     |          | 70 (72) | 130 (118)   |     |
| Naphthalene                      | 1100  | 0                                         | 970    | ug/Kg                       | 88  |          |     |          | 70 (72) | 130 (110)   |     |
| 4-Chloroaniline                  | 1100  | 0                                         | 360    | ug/Kg                       | 33  | *        |     |          | 70 (10) | 130 (91)    |     |
| Hexachlorobutadiene              | 1100  | 0                                         | 870    | ug/Kg                       | 79  |          |     |          | 70 (66) | 130 (114)   |     |
| Caprolactam                      | 1100  | 0                                         | 1400   | ug/Kg                       | 127 |          |     |          | 20 (51) | 160 (134)   |     |
| 4-Chloro-3-methylphenol          | 1100  | 0                                         | 1100   | ug/Kg                       | 100 |          |     |          | 70 (57) | 130 (132)   |     |
| 2-Methylnaphthalene              | 1100  | 57.2                                      | 1000   | ug/Kg                       | 86  |          |     |          | 70 (59) | 130 (123)   |     |
| Hexachlorocyclopentadiene        | 2200  | 0                                         | 1900   | ug/Kg                       | 86  |          |     |          | 20 (10) | 160 (175)   |     |
| 2,4,6-Trichlorophenol            | 1100  | 0                                         | 930    | ug/Kg                       | 85  |          |     |          | 70 (72) | 130 (117)   |     |
| 2,4,5-Trichlorophenol            | 1100  | 0                                         | 1100   | ug/Kg                       | 100 |          |     |          | 70 (72) | 130 (117)   |     |
| 1,1-Biphenyl                     | 1100  | 0                                         | 1000   | ug/Kg                       | 91  |          |     |          | 70 (75) | 130 (113)   |     |
| 2-Chloronaphthalene              | 1100  | 0                                         | 930    | ug/Kg                       | 85  |          |     |          | 70 (67) | 130 (118)   |     |
| 2-Nitroaniline                   | 1100  | 0                                         | 1100   | ug/Kg                       | 100 |          |     |          | 70 (69) | 130 (127)   |     |
| Dimethylphthalate                | 1100  | 0                                         | 930    | ug/Kg                       | 85  |          |     |          | 70 (70) | 130 (113)   |     |
| Acenaphthylene                   | 1100  | 0                                         | 1100   | ug/Kg                       | 100 |          |     |          | 70 (79) | 130 (118)   |     |
| 2,6-Dinitrotoluene               | 1100  | 0                                         | 1000   | ug/Kg                       | 91  |          |     |          | 70 (70) | 130 (125)   |     |
| 3-Nitroaniline                   | 1100  | 0                                         | 870    | ug/Kg                       | 79  |          |     |          | 70 (30) | 130 (99)    |     |
| Acenaphthene                     | 1100  | 330                                       | 1400   | ug/Kg                       | 97  |          |     |          | 70 (70) | 130 (121)   |     |
| 2,4-Dinitrophenol                | 2200  | 0                                         | 1900   | ug/Kg                       | 86  |          |     |          | 20 (10) | 160 (155)   |     |
| 4-Nitrophenol                    | 2200  | 0                                         | 3000   | ug/Kg                       | 136 |          |     |          | 20 (45) | 160 (133)   |     |
| Dibenzofuran                     | 1100  | 150                                       | 1100   | ug/Kg                       | 86  |          |     |          | 70 (72) | 130 (110)   |     |
| 2,4-Dinitrotoluene               | 1100  | 0                                         | 1300   | ug/Kg                       | 118 |          |     |          | 70 (55) | 130 (128)   |     |
| Diethylphthalate                 | 1100  | 0                                         | 980    | ug/Kg                       | 89  |          |     |          | 70 (70) | 130 (112)   |     |
| 4-Chlorophenyl-phenylether       | 1100  | 0                                         | 980    | ug/Kg                       | 89  |          |     |          | 70 (71) | 130 (108)   |     |
| Fluorene                         | 1100  | 410                                       | 1400   | ug/Kg                       | 90  |          |     |          | 70 (68) | 130 (116)   |     |
| 4-Nitroaniline                   | 1100  | 0                                         | 1400   | ug/Kg                       | 127 |          |     |          | 70 (55) | 130 (120)   |     |
| 4,6-Dinitro-2-methylphenol       | 1100  | 0                                         | 890    | ug/Kg                       | 81  |          |     |          | 70 (10) | 130 (160)   |     |
| N-Nitrosodiphenylamine           | 1100  | 0                                         | 920    | ug/Kg                       | 84  |          |     |          | 70 (73) | 130 (118)   |     |
| 4-Bromophenyl-phenylether        | 1100  | 0                                         | 890    | ug/Kg                       | 81  |          |     |          | 70 (65) | 130 (121)   |     |
| Hexachlorobenzene                | 1100  | 0                                         | 930    | ug/Kg                       | 85  |          |     |          | 70 (67) | 130 (118)   |     |
| Atrazine                         | 1100  | 0                                         | 1300   | ug/Kg                       | 118 |          |     |          | 70 (79) | 130 (127)   |     |

( ) = LABORATORY INHOUSE LIMIT

**Matrix Spike/Matrix Spike Duplicate Summary**

**SW-846**

**SDG No.:** Q1447

**Client:** G Environmental

**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                | 1900   | ug/Kg | 86  |             |     |             | 20 (47) | 160 (128)      |     |
| Phenanthrene               | 1100  | 2000             | 2800   | ug/Kg | 73  |             |     |             | 70 (52) | 130 (128)      |     |
| Anthracene                 | 1100  | 750              | 1700   | ug/Kg | 86  |             |     |             | 70 (62) | 130 (124)      |     |
| Carbazole                  | 1100  | 410              | 1400   | ug/Kg | 90  |             |     |             | 70 (59) | 130 (119)      |     |
| Di-n-butylphthalate        | 1100  | 0                | 990    | ug/Kg | 90  |             |     |             | 70 (69) | 130 (118)      |     |
| Fluoranthene               | 1100  | 2500             | 3200   | ug/Kg | 64  | *           |     |             | 70 (44) | 130 (125)      |     |
| Pyrene                     | 1100  | 1900             | 2600   | ug/Kg | 64  | *           |     |             | 70 (26) | 130 (142)      |     |
| Butylbenzylphthalate       | 1100  | 0                | 1100   | ug/Kg | 100 |             |     |             | 70 (64) | 130 (126)      |     |
| 3,3-Dichlorobenzidine      | 1100  | 0                | 570    | ug/Kg | 52  | *           |     |             | 70 (33) | 130 (116)      |     |
| Benzo(a)anthracene         | 1100  | 1400             | 2400   | ug/Kg | 91  |             |     |             | 70 (71) | 130 (114)      |     |
| Chrysene                   | 1100  | 1100             | 2000   | ug/Kg | 82  |             |     |             | 70 (57) | 130 (121)      |     |
| bis(2-Ethylhexyl)phthalate | 1100  | 0                | 1200   | ug/Kg | 109 |             |     |             | 70 (42) | 130 (169)      |     |
| Di-n-octyl phthalate       | 1100  | 0                | 1200   | ug/Kg | 109 |             |     |             | 70 (23) | 130 (175)      |     |
| Benzo(b)fluoranthene       | 1100  | 1300             | 2300   | ug/Kg | 91  |             |     |             | 70 (67) | 130 (121)      |     |
| Benzo(k)fluoranthene       | 1100  | 500              | 1300   | ug/Kg | 73  |             |     |             | 70 (57) | 130 (134)      |     |
| Benzo(a)pyrene             | 1100  | 1100             | 2100   | ug/Kg | 91  |             |     |             | 70 (70) | 130 (142)      |     |
| Indeno(1,2,3-cd)pyrene     | 1100  | 410              | 1300   | ug/Kg | 81  |             |     |             | 70 (40) | 130 (129)      |     |
| Dibenz(a,h)anthracene      | 1100  | 130              | 1000   | ug/Kg | 79  |             |     |             | 70 (43) | 130 (123)      |     |
| Benzo(g,h,i)perylene       | 1100  | 400              | 1200   | ug/Kg | 73  |             |     |             | 70 (24) | 130 (125)      |     |
| 1,2,4,5-Tetrachlorobenzene | 1100  | 0                | 950    | ug/Kg | 86  |             |     |             | 70 (69) | 130 (124)      |     |
| 1,4-Dioxane                | 1100  | 0                | 910    | ug/Kg | 83  |             |     |             | 20 (46) | 160 (112)      |     |
| 2,3,4,6-Tetrachlorophenol  | 1100  | 0                | 1100   | ug/Kg | 100 |             |     |             | 70 (69) | 130 (112)      |     |

**Matrix Spike/Matrix Spike Duplicate Summary**

**SW-846**

**SDG No.:** Q1447

**Client:** G Environmental

**Analytical Method:** SW8270E

| Parameter                         | Spike | Sample Result                              | Result | Units                       | Rec | Rec Qual | RPD | RPD Qual | Low     | Limits High | RPD     |
|-----------------------------------|-------|--------------------------------------------|--------|-----------------------------|-----|----------|-----|----------|---------|-------------|---------|
| <b>Lab Sample ID: Q1475-01MSD</b> |       | <b>Client Sample ID: TR-04-02282025MSD</b> |        | <b>DataFile: BF141820.D</b> |     |          |     |          |         |             |         |
| Benzaldehyde                      | 1100  | 0                                          | 530    | ug/Kg                       | 48  |          | 4   |          | 20 (10) | 160 (86)    | 30 (20) |
| Phenol                            | 1100  | 0                                          | 1000   | ug/Kg                       | 91  |          | 0   |          | 20 (67) | 160 (126)   | 30 (20) |
| bis(2-Chloroethyl)ether           | 1100  | 0                                          | 960    | ug/Kg                       | 87  |          | 2   |          | 70 (54) | 130 (125)   | 30 (20) |
| 2-Chlorophenol                    | 1100  | 0                                          | 1000   | ug/Kg                       | 91  |          | 6   |          | 70 (79) | 130 (107)   | 30 (20) |
| 2-Methylphenol                    | 1100  | 0                                          | 1000   | ug/Kg                       | 91  |          | 3   |          | 70 (66) | 130 (122)   | 30 (20) |
| 2,2-oxybis(1-Chloropropane)       | 1100  | 0                                          | 980    | ug/Kg                       | 89  |          | 5   |          | 70 (65) | 130 (110)   | 30 (20) |
| Acetophenone                      | 1100  | 0                                          | 1000   | ug/Kg                       | 91  |          | 0   |          | 70 (75) | 130 (111)   | 30 (20) |
| 3+4-Methylphenols                 | 1100  | 0                                          | 1100   | ug/Kg                       | 100 |          | 9   |          | 20 (66) | 160 (104)   | 30 (20) |
| N-Nitroso-di-n-propylamine        | 1100  | 0                                          | 940    | ug/Kg                       | 85  |          | 2   |          | 70 (59) | 130 (119)   | 30 (20) |
| Hexachloroethane                  | 1100  | 0                                          | 960    | ug/Kg                       | 87  |          | 2   |          | 20 (65) | 160 (117)   | 30 (20) |
| Nitrobenzene                      | 1100  | 0                                          | 1000   | ug/Kg                       | 91  |          | 0   |          | 70 (70) | 130 (119)   | 30 (20) |
| Isophorone                        | 1100  | 0                                          | 970    | ug/Kg                       | 88  |          | 3   |          | 70 (76) | 130 (122)   | 30 (20) |
| 2-Nitrophenol                     | 1100  | 0                                          | 940    | ug/Kg                       | 85  |          | 6   |          | 70 (54) | 130 (145)   | 30 (20) |
| 2,4-Dimethylphenol                | 1100  | 0                                          | 1200   | ug/Kg                       | 109 |          | 9   |          | 70 (44) | 130 (135)   | 30 (20) |
| bis(2-Chloroethoxy)methane        | 1100  | 0                                          | 900    | ug/Kg                       | 82  |          | 2   |          | 70 (68) | 130 (112)   | 30 (20) |
| 2,4-Dichlorophenol                | 1100  | 0                                          | 1000   | ug/Kg                       | 91  |          | 3   |          | 70 (72) | 130 (118)   | 30 (20) |
| Naphthalene                       | 1100  | 0                                          | 1000   | ug/Kg                       | 91  |          | 3   |          | 70 (72) | 130 (110)   | 30 (20) |
| 4-Chloroaniline                   | 1100  | 0                                          | 380    | ug/Kg                       | 35  | *        | 6   |          | 70 (10) | 130 (91)    | 30 (20) |
| Hexachlorobutadiene               | 1100  | 0                                          | 910    | ug/Kg                       | 83  |          | 5   |          | 70 (66) | 130 (114)   | 30 (20) |
| Caprolactam                       | 1100  | 0                                          | 1400   | ug/Kg                       | 127 |          | 0   |          | 20 (51) | 160 (134)   | 30 (20) |
| 4-Chloro-3-methylphenol           | 1100  | 0                                          | 1100   | ug/Kg                       | 100 |          | 0   |          | 70 (57) | 130 (132)   | 30 (20) |
| 2-Methylnaphthalene               | 1100  | 57.2                                       | 1000   | ug/Kg                       | 86  |          | 0   |          | 70 (59) | 130 (123)   | 30 (20) |
| Hexachlorocyclopentadiene         | 2200  | 0                                          | 1600   | ug/Kg                       | 73  |          | 16  |          | 20 (10) | 160 (175)   | 30 (20) |
| 2,4,6-Trichlorophenol             | 1100  | 0                                          | 1000   | ug/Kg                       | 91  |          | 7   |          | 70 (72) | 130 (117)   | 30 (20) |
| 2,4,5-Trichlorophenol             | 1100  | 0                                          | 1000   | ug/Kg                       | 91  |          | 9   |          | 70 (72) | 130 (117)   | 30 (20) |
| 1,1-Biphenyl                      | 1100  | 0                                          | 1000   | ug/Kg                       | 91  |          | 0   |          | 70 (75) | 130 (113)   | 30 (20) |
| 2-Chloronaphthalene               | 1100  | 0                                          | 970    | ug/Kg                       | 88  |          | 3   |          | 70 (67) | 130 (118)   | 30 (20) |
| 2-Nitroaniline                    | 1100  | 0                                          | 1100   | ug/Kg                       | 100 |          | 0   |          | 70 (69) | 130 (127)   | 30 (20) |
| Dimethylphthalate                 | 1100  | 0                                          | 960    | ug/Kg                       | 87  |          | 2   |          | 70 (70) | 130 (113)   | 30 (20) |
| Acenaphthylene                    | 1100  | 0                                          | 1100   | ug/Kg                       | 100 |          | 0   |          | 70 (79) | 130 (118)   | 30 (20) |
| 2,6-Dinitrotoluene                | 1100  | 0                                          | 1100   | ug/Kg                       | 100 |          | 9   |          | 70 (70) | 130 (125)   | 30 (20) |
| 3-Nitroaniline                    | 1100  | 0                                          | 890    | ug/Kg                       | 81  |          | 3   |          | 70 (30) | 130 (99)    | 30 (20) |
| Acenaphthene                      | 1100  | 330                                        | 1400   | ug/Kg                       | 97  |          | 0   |          | 70 (70) | 130 (121)   | 30 (20) |
| 2,4-Dinitrophenol                 | 2200  | 0                                          | 1800   | ug/Kg                       | 82  |          | 5   |          | 20 (10) | 160 (155)   | 30 (20) |
| 4-Nitrophenol                     | 2200  | 0                                          | 3100   | ug/Kg                       | 141 |          | 4   |          | 20 (45) | 160 (133)   | 30 (20) |
| Dibenzofuran                      | 1100  | 150                                        | 1100   | ug/Kg                       | 86  |          | 0   |          | 70 (72) | 130 (110)   | 30 (20) |
| 2,4-Dinitrotoluene                | 1100  | 0                                          | 1300   | ug/Kg                       | 118 |          | 0   |          | 70 (55) | 130 (128)   | 30 (20) |
| Diethylphthalate                  | 1100  | 0                                          | 990    | ug/Kg                       | 90  |          | 1   |          | 70 (70) | 130 (112)   | 30 (20) |
| 4-Chlorophenyl-phenylether        | 1100  | 0                                          | 1000   | ug/Kg                       | 91  |          | 2   |          | 70 (71) | 130 (108)   | 30 (20) |
| Fluorene                          | 1100  | 410                                        | 1400   | ug/Kg                       | 90  |          | 0   |          | 70 (68) | 130 (116)   | 30 (20) |
| 4-Nitroaniline                    | 1100  | 0                                          | 1400   | ug/Kg                       | 127 |          | 0   |          | 70 (55) | 130 (120)   | 30 (20) |
| 4,6-Dinitro-2-methylphenol        | 1100  | 0                                          | 900    | ug/Kg                       | 82  |          | 1   |          | 70 (10) | 130 (160)   | 30 (20) |
| N-Nitrosodiphenylamine            | 1100  | 0                                          | 980    | ug/Kg                       | 89  |          | 6   |          | 70 (73) | 130 (118)   | 30 (20) |
| 4-Bromophenyl-phenylether         | 1100  | 0                                          | 940    | ug/Kg                       | 85  |          | 5   |          | 70 (65) | 130 (121)   | 30 (20) |
| Hexachlorobenzene                 | 1100  | 0                                          | 960    | ug/Kg                       | 87  |          | 2   |          | 70 (67) | 130 (118)   | 30 (20) |
| Atrazine                          | 1100  | 0                                          | 1400   | ug/Kg                       | 127 |          | 7   |          | 70 (79) | 130 (127)   | 30 (20) |

( ) = LABORATORY INHOUSE LIMIT

**Matrix Spike/Matrix Spike Duplicate Summary**

**SW-846**

**SDG No.:** Q1447

**Client:** G Environmental

**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                | 2000   | ug/Kg | 91  |             | 6   |             | 20 (47) | 160 (128)      | 30 (20) |
| Phenanthrene               | 1100  | 2000             | 2900   | ug/Kg | 82  |             | 12  |             | 70 (52) | 130 (128)      | 30 (20) |
| Anthracene                 | 1100  | 750              | 1700   | ug/Kg | 86  |             | 0   |             | 70 (62) | 130 (124)      | 30 (20) |
| Carbazole                  | 1100  | 410              | 1400   | ug/Kg | 90  |             | 0   |             | 70 (59) | 130 (119)      | 30 (20) |
| Di-n-butylphthalate        | 1100  | 0                | 1000   | ug/Kg | 91  |             | 1   |             | 70 (69) | 130 (118)      | 30 (20) |
| Fluoranthene               | 1100  | 2500             | 3300   | ug/Kg | 73  |             | 13  |             | 70 (44) | 130 (125)      | 30 (20) |
| Pyrene                     | 1100  | 1900             | 2700   | ug/Kg | 73  |             | 13  |             | 70 (26) | 130 (142)      | 30 (20) |
| Butylbenzylphthalate       | 1100  | 0                | 1100   | ug/Kg | 100 |             | 0   |             | 70 (64) | 130 (126)      | 30 (20) |
| 3,3-Dichlorobenzidine      | 1100  | 0                | 630    | ug/Kg | 57  | *           | 9   |             | 70 (33) | 130 (116)      | 30 (20) |
| Benzo(a)anthracene         | 1100  | 1400             | 2400   | ug/Kg | 91  |             | 0   |             | 70 (71) | 130 (114)      | 30 (20) |
| Chrysene                   | 1100  | 1100             | 2100   | ug/Kg | 91  |             | 10  |             | 70 (57) | 130 (121)      | 30 (20) |
| bis(2-Ethylhexyl)phthalate | 1100  | 0                | 1200   | ug/Kg | 109 |             | 0   |             | 70 (42) | 130 (169)      | 30 (20) |
| Di-n-octyl phthalate       | 1100  | 0                | 1300   | ug/Kg | 118 |             | 8   |             | 70 (23) | 130 (175)      | 30 (20) |
| Benzo(b)fluoranthene       | 1100  | 1300             | 2300   | ug/Kg | 91  |             | 0   |             | 70 (67) | 130 (121)      | 30 (20) |
| Benzo(k)fluoranthene       | 1100  | 500              | 1400   | ug/Kg | 82  |             | 12  |             | 70 (57) | 130 (134)      | 30 (20) |
| Benzo(a)pyrene             | 1100  | 1100             | 2100   | ug/Kg | 91  |             | 0   |             | 70 (70) | 130 (142)      | 30 (20) |
| Indeno(1,2,3-cd)pyrene     | 1100  | 410              | 1300   | ug/Kg | 81  |             | 0   |             | 70 (40) | 130 (129)      | 30 (20) |
| Dibenz(a,h)anthracene      | 1100  | 130              | 1000   | ug/Kg | 79  |             | 0   |             | 70 (43) | 130 (123)      | 30 (20) |
| Benzo(g,h,i)perylene       | 1100  | 400              | 1300   | ug/Kg | 82  |             | 12  |             | 70 (24) | 130 (125)      | 30 (20) |
| 1,2,4,5-Tetrachlorobenzene | 1100  | 0                | 980    | ug/Kg | 89  |             | 3   |             | 70 (69) | 130 (124)      | 30 (20) |
| 1,4-Dioxane                | 1100  | 0                | 920    | ug/Kg | 84  |             | 1   |             | 20 (46) | 160 (112)      | 30 (20) |
| 2,3,4,6-Tetrachlorophenol  | 1100  | 0                | 1100   | ug/Kg | 100 |             | 0   |             | 70 (69) | 130 (112)      | 30 (20) |

## Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1447

Client: G Environmental

Analytical Method: 8270E

DataFile: BF141826.D

| Lab Sample ID | Parameter                   | Spike | Result | Unit  | Rec | RPD | Qual | RPD  |         | Limits    |     |
|---------------|-----------------------------|-------|--------|-------|-----|-----|------|------|---------|-----------|-----|
|               |                             |       |        |       |     |     |      | Qual | Low     | High      | RPD |
| PB166957BS    | Benzaldehyde                | 1700  | 830    | ug/Kg | 49  |     |      |      | 20 (10) | 160 (133) |     |
|               | Phenol                      | 1700  | 1400   | ug/Kg | 82  |     |      |      | 20 (62) | 160 (112) |     |
|               | bis(2-Chloroethyl)ether     | 1700  | 1400   | ug/Kg | 82  |     |      |      | 70 (60) | 130 (101) |     |
|               | 2-Chlorophenol              | 1700  | 1400   | ug/Kg | 82  |     |      |      | 70 (65) | 130 (112) |     |
|               | 2-Methylphenol              | 1700  | 1400   | ug/Kg | 82  |     |      |      | 70 (61) | 130 (108) |     |
|               | 2,2-oxybis(1-Chloropropane) | 1700  | 1400   | ug/Kg | 82  |     |      |      | 70 (51) | 130 (100) |     |
|               | Acetophenone                | 1700  | 1500   | ug/Kg | 88  |     |      |      | 70 (66) | 130 (98)  |     |
|               | 3+4-Methylphenols           | 1700  | 1400   | ug/Kg | 82  |     |      |      | 20 (58) | 160 (111) |     |
|               | N-Nitroso-di-n-propylamine  | 1700  | 1300   | ug/Kg | 76  |     |      |      | 70 (63) | 130 (95)  |     |
|               | Hexachloroethane            | 1700  | 1400   | ug/Kg | 82  |     |      |      | 20 (72) | 160 (108) |     |
|               | Nitrobenzene                | 1700  | 1500   | ug/Kg | 88  |     |      |      | 70 (57) | 130 (101) |     |
|               | Isophorone                  | 1700  | 1400   | ug/Kg | 82  |     |      |      | 70 (59) | 130 (99)  |     |
|               | 2-Nitrophenol               | 1700  | 1500   | ug/Kg | 88  |     |      |      | 70 (61) | 130 (111) |     |
|               | 2,4-Dimethylphenol          | 1700  | 1700   | ug/Kg | 100 |     |      |      | 70 (46) | 130 (141) |     |
|               | bis(2-Chloroethoxy)methane  | 1700  | 1300   | ug/Kg | 76  |     |      |      | 70 (66) | 130 (97)  |     |
|               | 2,4-Dichlorophenol          | 1700  | 1400   | ug/Kg | 82  |     |      |      | 70 (62) | 130 (107) |     |
|               | Naphthalene                 | 1700  | 1300   | ug/Kg | 76  |     |      |      | 70 (62) | 130 (100) |     |
|               | 4-Chloroaniline             | 1700  | 500    | ug/Kg | 29  |     | *    |      | 70 (16) | 130 (100) |     |
|               | Hexachlorobutadiene         | 1700  | 1400   | ug/Kg | 82  |     |      |      | 70 (53) | 130 (98)  |     |
|               | Caprolactam                 | 1700  | 1600   | ug/Kg | 94  |     |      |      | 20 (67) | 160 (110) |     |
|               | 4-Chloro-3-methylphenol     | 1700  | 1400   | ug/Kg | 82  |     |      |      | 70 (58) | 130 (112) |     |
|               | 2-Methylnaphthalene         | 1700  | 1300   | ug/Kg | 76  |     |      |      | 70 (60) | 130 (104) |     |
|               | Hexachlorocyclopentadiene   | 3300  | 4700   | ug/Kg | 142 |     |      |      | 20 (45) | 160 (165) |     |
|               | 2,4,6-Trichlorophenol       | 1700  | 1500   | ug/Kg | 88  |     |      |      | 70 (59) | 130 (102) |     |
|               | 2,4,5-Trichlorophenol       | 1700  | 1500   | ug/Kg | 88  |     |      |      | 70 (61) | 130 (98)  |     |
|               | 1,1-Biphenyl                | 1700  | 1500   | ug/Kg | 88  |     |      |      | 70 (57) | 130 (103) |     |
|               | 2-Chloronaphthalene         | 1700  | 1400   | ug/Kg | 82  |     |      |      | 70 (58) | 130 (99)  |     |
|               | 2-Nitroaniline              | 1700  | 1600   | ug/Kg | 94  |     |      |      | 70 (66) | 130 (101) |     |
|               | Dimethylphthalate           | 1700  | 1400   | ug/Kg | 82  |     |      |      | 70 (61) | 130 (99)  |     |
|               | Acenaphthylene              | 1700  | 1500   | ug/Kg | 88  |     |      |      | 70 (63) | 130 (101) |     |
|               | 2,6-Dinitrotoluene          | 1700  | 1500   | ug/Kg | 88  |     |      |      | 70 (61) | 130 (104) |     |
|               | 3-Nitroaniline              | 1700  | 950    | ug/Kg | 56  |     | *    |      | 70 (28) | 130 (100) |     |
|               | Acenaphthene                | 1700  | 1500   | ug/Kg | 88  |     |      |      | 70 (57) | 130 (104) |     |
|               | 2,4-Dinitrophenol           | 3300  | 3200   | ug/Kg | 97  |     |      |      | 20 (37) | 160 (128) |     |
|               | 4-Nitrophenol               | 3300  | 3800   | ug/Kg | 115 |     |      |      | 20 (48) | 160 (119) |     |
|               | Dibenzofuran                | 1700  | 1300   | ug/Kg | 76  |     |      |      | 70 (63) | 130 (99)  |     |
|               | 2,4-Dinitrotoluene          | 1700  | 1700   | ug/Kg | 100 |     |      |      | 70 (60) | 130 (106) |     |
|               | Diethylphthalate            | 1700  | 1300   | ug/Kg | 76  |     |      |      | 70 (60) | 130 (101) |     |
|               | 4-Chlorophenyl-phenylether  | 1700  | 1400   | ug/Kg | 82  |     |      |      | 70 (58) | 130 (98)  |     |
|               | Fluorene                    | 1700  | 1400   | ug/Kg | 82  |     |      |      | 70 (61) | 130 (101) |     |
|               | 4-Nitroaniline              | 1700  | 1800   | ug/Kg | 106 |     |      |      | 70 (64) | 130 (103) |     |
|               | 4,6-Dinitro-2-methylphenol  | 1700  | 1600   | ug/Kg | 94  |     |      |      | 70 (76) | 130 (113) |     |
|               | N-Nitrosodiphenylamine      | 1700  | 1400   | ug/Kg | 82  |     |      |      | 70 (71) | 130 (99)  |     |
|               | 4-Bromophenyl-phenylether   | 1700  | 1400   | ug/Kg | 82  |     |      |      | 70 (66) | 130 (102) |     |



## Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1447

Client: G Environmental

Analytical Method: 8270E

DataFile: BF141826.D

| Lab Sample ID | Parameter                  | Spike | Result | Unit  | Rec | RPD | Qual | RPD  | Limits  |           | RPD |
|---------------|----------------------------|-------|--------|-------|-----|-----|------|------|---------|-----------|-----|
|               |                            |       |        |       |     |     |      | Qual | Low     | High      |     |
| PB166957BS    | Hexachlorobenzene          | 1700  | 1400   | ug/Kg | 82  |     |      |      | 70 (64) | 130 (98)  |     |
|               | Atrazine                   | 1700  | 1900   | ug/Kg | 112 |     |      |      | 70 (47) | 130 (152) |     |
|               | Pentachlorophenol          | 3300  | 2900   | ug/Kg | 88  |     |      |      | 20 (67) | 160 (105) |     |
|               | Phenanthrene               | 1700  | 1400   | ug/Kg | 82  |     |      |      | 70 (59) | 130 (103) |     |
|               | Anthracene                 | 1700  | 1400   | ug/Kg | 82  |     |      |      | 70 (61) | 130 (105) |     |
|               | Carbazole                  | 1700  | 1500   | ug/Kg | 88  |     |      |      | 70 (61) | 130 (99)  |     |
|               | Di-n-butylphthalate        | 1700  | 1300   | ug/Kg | 76  |     |      |      | 70 (58) | 130 (104) |     |
|               | Fluoranthene               | 1700  | 1400   | ug/Kg | 82  |     |      |      | 70 (57) | 130 (107) |     |
|               | Pyrene                     | 1700  | 1400   | ug/Kg | 82  |     |      |      | 70 (59) | 130 (103) |     |
|               | Butylbenzylphthalate       | 1700  | 1500   | ug/Kg | 88  |     |      |      | 70 (55) | 130 (103) |     |
|               | 3,3-Dichlorobenzidine      | 1700  | 900    | ug/Kg | 53  |     | *    |      | 70 (42) | 130 (91)  |     |
|               | Benzo(a)anthracene         | 1700  | 1400   | ug/Kg | 82  |     |      |      | 70 (60) | 130 (102) |     |
|               | Chrysene                   | 1700  | 1400   | ug/Kg | 82  |     |      |      | 70 (59) | 130 (101) |     |
|               | bis(2-Ethylhexyl)phthalate | 1700  | 1500   | ug/Kg | 88  |     |      |      | 70 (54) | 130 (135) |     |
|               | Di-n-octyl phthalate       | 1700  | 1400   | ug/Kg | 82  |     |      |      | 70 (52) | 130 (137) |     |
|               | Benzo(b)fluoranthene       | 1700  | 1400   | ug/Kg | 82  |     |      |      | 70 (62) | 130 (109) |     |
|               | Benzo(k)fluoranthene       | 1700  | 1400   | ug/Kg | 82  |     |      |      | 70 (62) | 130 (109) |     |
|               | Benzo(a)pyrene             | 1700  | 1500   | ug/Kg | 88  |     |      |      | 70 (63) | 130 (103) |     |
|               | Indeno(1,2,3-cd)pyrene     | 1700  | 1500   | ug/Kg | 88  |     |      |      | 70 (63) | 130 (101) |     |
|               | Dibenz(a,h)anthracene      | 1700  | 1400   | ug/Kg | 82  |     |      |      | 70 (61) | 130 (112) |     |
|               | Benzo(g,h,i)perylene       | 1700  | 1400   | ug/Kg | 82  |     |      |      | 70 (70) | 130 (108) |     |
|               | 1,2,4,5-Tetrachlorobenzene | 1700  | 1500   | ug/Kg | 88  |     |      |      | 70 (53) | 130 (101) |     |
|               | 1,4-Dioxane                | 1700  | 1300   | ug/Kg | 76  |     |      |      | 20 (50) | 160 (96)  |     |
|               | 2,3,4,6-Tetrachlorophenol  | 1700  | 1500   | ug/Kg | 88  |     |      |      | 70 (59) | 130 (108) |     |

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB166957BL

Lab Name: CHEMTECH

Contract: GENV01

Lab Code: CHEM Case No.: Q1447

SAS No.: Q1447 SDG NO.: Q1447

Lab File ID: BF141825.D

Lab Sample ID: PB166957BL

Instrument ID: BNA\_F

Date Extracted: 03/03/2025

Matrix: (soil/water) SOIL

Date Analyzed: 03/04/2025

Level: (low/med) LOW

Time Analyzed: 14:15

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 |
|-------------------|------------------|----------------|------------------|
| PB166957BS        | PB166957BS       | BF141826.D     | 03/04/2025       |
| WC1               | Q1447-01         | BF141821.D     | 03/03/2025       |
| TR-04-02282025MS  | Q1475-01MS       | BF141819.D     | 03/03/2025       |
| TR-04-02282025MSD | Q1475-01MSD      | BF141820.D     | 03/03/2025       |

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: GENV01Lab Code: CHEMSAS No.: Q1447 SDG NO.: Q1447Lab File ID: BF141792.DDFTPP Injection Date: 02/27/2025Instrument ID: BNA\_FDFTPP Injection Time: 14:47

| m/e | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 51  | 10.0 - 80.0% of mass 198           | 34.9                 |
| 68  | Less than 2.0% of mass 69          | 0.6 ( 1.7 ) 1        |
| 69  | Mass 69 relative abundance         | 34.9                 |
| 70  | Less than 2.0% of mass 69          | 0.2 ( 0.4 ) 1        |
| 127 | 10.0 - 80.0% of mass 198           | 46.5                 |
| 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            | 6.7                  |
| 275 | 10.0 - 60.0% of mass 198           | 27.6                 |
| 365 | Greater than 1% of mass 198        | 3.7                  |
| 441 | Present, but less than mass 443    | 14.6                 |
| 442 | Greater than 50% of mass 198       | 93.2                 |
| 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 |
|-------------------|------------------|----------------|------------------|------------------|
| SSTDICC2.5        | SSTDICC2.5       | BF141793.D     | 02/27/2025       | 15:17            |
| SSTDICC005        | SSTDICC005       | BF141794.D     | 02/27/2025       | 15:46            |
| SSTDICC010        | SSTDICC010       | BF141795.D     | 02/27/2025       | 16:16            |
| SSTDICC020        | SSTDICC020       | BF141796.D     | 02/27/2025       | 16:46            |
| SSTDICCC040       | SSTDICCC040      | BF141797.D     | 02/27/2025       | 17:16            |
| SSTDICC050        | SSTDICC050       | BF141798.D     | 02/27/2025       | 17:46            |
| SSTDICC060        | SSTDICC060       | BF141799.D     | 02/27/2025       | 18:15            |
| SSTDICC080        | SSTDICC080       | BF141800.D     | 02/27/2025       | 18:45            |



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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECHContract: GENV01Lab Code: CHEMSAS No.: Q1447 SDG NO.: Q1447Lab File ID: BF141810.DDFTPP Injection Date: 03/03/2025Instrument ID: BNA\_FDFTPP Injection Time: 13:47

| m/e | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 51  | 10.0 - 80.0% of mass 198           | 36.9                 |
| 68  | Less than 2.0% of mass 69          | 0.6 ( 1.7 ) 1        |
| 69  | Mass 69 relative abundance         | 36.4                 |
| 70  | Less than 2.0% of mass 69          | 0.2 ( 0.4 ) 1        |
| 127 | 10.0 - 80.0% of mass 198           | 47.5                 |
| 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            | 6.9                  |
| 275 | 10.0 - 60.0% of mass 198           | 27.1                 |
| 365 | Greater than 1% of mass 198        | 3.6                  |
| 441 | Present, but less than mass 443    | 13.3                 |
| 442 | Greater than 50% of mass 198       | 85.9                 |
| 443 | 15.0 - 24.0% of mass 442           | 16.6 ( 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       | BF141811.D     | 03/03/2025       | 14:16            |
| TR-04-02282025MS  | Q1475-01MS       | BF141819.D     | 03/03/2025       | 18:16            |
| TR-04-02282025MSD | Q1475-01MSD      | BF141820.D     | 03/03/2025       | 18:45            |
| WC1               | Q1447-01         | BF141821.D     | 03/03/2025       | 19:14            |



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Fax : 908 789 8922

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECHContract: GENV01Lab Code: CHEMSAS No.: Q1447 SDG NO.: Q1447Lab File ID: BF141823.DDFTPP Injection Date: 03/04/2025Instrument ID: BNA\_FDFTPP Injection Time: 13:16

| m/e | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 51  | 10.0 - 80.0% of mass 198           | 38.8                 |
| 68  | Less than 2.0% of mass 69          | 0.6 ( 1.7 ) 1        |
| 69  | Mass 69 relative abundance         | 37.7                 |
| 70  | Less than 2.0% of mass 69          | 0.2 ( 0.4 ) 1        |
| 127 | 10.0 - 80.0% of mass 198           | 49                   |
| 197 | Less than 2.0% of mass 198         | 0.0                  |
| 198 | Base Peak, 100% relative abundance | 100                  |
| 199 | 5.0 to 9.0% of mass 198            | 7                    |
| 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    | 12.5                 |
| 442 | Greater than 50% of mass 198       | 79                   |
| 443 | 15.0 - 24.0% of mass 442           | 15.6 ( 19.8 ) 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       | BF141824.D     | 03/04/2025       | 13:46            |
| PB166957BL        | PB166957BL       | BF141825.D     | 03/04/2025       | 14:15            |
| PB166957BS        | PB166957BS       | BF141826.D     | 03/04/2025       | 14:44            |

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1447 SAS No.: Q1447 SDG NO.: Q1447

EPA Sample No.: SSTDCCC040 Date Analyzed: 03/03/2025

Lab File ID: BF141811.D Time Analyzed: 14:16

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          | 333117              | 6.887 | 1275840             | 8.17  | 681541              | 9.93   |
| UPPER LIMIT          | 666234              | 7.387 | 2551680             | 8.669 | 1363080             | 10.428 |
| LOWER LIMIT          | 166559              | 6.387 | 637920              | 7.669 | 340771              | 9.428  |
| EPA SAMPLE NO.       |                     |       |                     |       |                     |        |
| 01 WC1               | 144444 *            | 6.89  | 617193 *            | 8.17  | 349015              | 9.93   |
| 02 TR-04-02282025MS  | 111069 *            | 6.89  | 466588 *            | 8.17  | 292659 *            | 9.92   |
| 03 TR-04-02282025MSD | 110601 *            | 6.89  | 472405 *            | 8.17  | 295427 *            | 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.: Q1447 SAS No.: Q1447 SDG NO.: Q1447

EPA Sample No.: SSTDCCC040 Date Analyzed: 03/03/2025

Lab File ID: BF141811.D Time Analyzed: 14:16

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          | 1118000             | 11.41 | 663447              | 14.045 | 550070              | 15.515 |
| UPPER LIMIT          | 2236000             | 11.91 | 1326890             | 14.545 | 1100140             | 16.015 |
| LOWER LIMIT          | 559000              | 10.91 | 331724              | 13.545 | 275035              | 15.015 |
| EPA SAMPLE NO.       |                     |       |                     |        |                     |        |
| 01 WC1               | 458368 *            | 11.43 | 417353              | 14.12  | 463776              | 15.62  |
| 02 TR-04-02282025MS  | 567711              | 11.41 | 381619              | 14.05  | 352598              | 15.53  |
| 03 TR-04-02282025MSD | 545054 *            | 11.41 | 364367              | 14.06  | 325863              | 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.: Q1447 SAS No.: Q1447 SDG NO.: Q1447

EPA Sample No.: SSTDCCC040 Date Analyzed: 03/04/2025

Lab File ID: BF141824.D Time Analyzed: 13:46

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    | 319426              | 6.887 | 1215090             | 8.17  | 645310              | 9.92   |
| UPPER LIMIT    | 638852              | 7.387 | 2430180             | 8.669 | 1290620             | 10.422 |
| LOWER LIMIT    | 159713              | 6.387 | 607545              | 7.669 | 322655              | 9.422  |
| EPA SAMPLE NO. |                     |       |                     |       |                     |        |
| 01 PB166957BL  | 311350              | 6.89  | 1222400             | 8.16  | 667294              | 9.92   |
| 02 PB166957BS  | 309118              | 6.89  | 1216990             | 8.17  | 647778              | 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.: Q1447 SAS No.: Q1447 SDG NO.: Q1447

EPA Sample No.: SSTDCCC040 Date Analyzed: 03/04/2025

Lab File ID: BF141824.D Time Analyzed: 13:46

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    | 1061920             | 11.41 | 709212              | 14.045 | 560512              | 15.509 |
| UPPER LIMIT    | 2123840             | 11.91 | 1418420             | 14.545 | 1121020             | 16.009 |
| LOWER LIMIT    | 530960              | 10.91 | 354606              | 13.545 | 280256              | 15.009 |
| EPA SAMPLE NO. |                     |       |                     |        |                     |        |
| 01 PB166957BL  | 1172170             | 11.40 | 949625              | 14.04  | 798686              | 15.51  |
| 02 PB166957BS  | 1070680             | 11.40 | 723159              | 14.05  | 587091              | 15.51  |

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:            | G Environmental        | Date Collected: | 02/23/25                     |
| Project:           | Nelson                 | Date Received:  | 02/26/25                     |
| Client Sample ID:  | WC1                    | SDG No.:        | Q1447                        |
| Lab Sample ID:     | Q1447-01               | Matrix:         | SOIL                         |
| Analytical Method: | SW8270                 | % Solid:        | 92.4                         |
| Sample Wt/Vol:     | 30.07      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 |
| BF141821.D        | 1         | 03/03/25 13:15 | 03/03/25 19:14 | PB166957      |

| CAS Number     | Parameter                   | Conc. | Qualifier | MDL  | LOQ / CRQL | Units(Dry Weight) |
|----------------|-----------------------------|-------|-----------|------|------------|-------------------|
| <b>TARGETS</b> |                             |       |           |      |            |                   |
| 100-52-7       | Benzaldehyde                | 200   | U         | 200  | 360        | ug/Kg             |
| 108-95-2       | Phenol                      | 89.5  | U         | 89.5 | 180        | ug/Kg             |
| 111-44-4       | bis(2-Chloroethyl)ether     | 90.4  | U         | 90.4 | 180        | ug/Kg             |
| 95-57-8        | 2-Chlorophenol              | 90.2  | U         | 90.2 | 180        | ug/Kg             |
| 95-48-7        | 2-Methylphenol              | 87.0  | U         | 87.0 | 180        | ug/Kg             |
| 108-60-1       | 2,2-oxybis(1-Chloropropane) | 98.1  | U         | 98.1 | 180        | ug/Kg             |
| 98-86-2        | Acetophenone                | 93.8  | U         | 93.8 | 180        | ug/Kg             |
| 65794-96-9     | 3+4-Methylphenols           | 86.2  | U         | 86.2 | 360        | ug/Kg             |
| 621-64-7       | n-Nitroso-di-n-propylamine  | 43.5  | U         | 43.5 | 86.4       | ug/Kg             |
| 67-72-1        | Hexachloroethane            | 89.6  | U         | 89.6 | 180        | ug/Kg             |
| 98-95-3        | Nitrobenzene                | 98.0  | U         | 98.0 | 180        | ug/Kg             |
| 78-59-1        | Isophorone                  | 91.3  | U         | 91.3 | 180        | ug/Kg             |
| 88-75-5        | 2-Nitrophenol               | 100   | U         | 100  | 180        | ug/Kg             |
| 105-67-9       | 2,4-Dimethylphenol          | 100   | U         | 100  | 180        | ug/Kg             |
| 111-91-1       | bis(2-Chloroethoxy)methane  | 92.6  | U         | 92.6 | 180        | ug/Kg             |
| 120-83-2       | 2,4-Dichlorophenol          | 81.5  | U         | 81.5 | 180        | ug/Kg             |
| 91-20-3        | Naphthalene                 | 94.7  | J         | 89.2 | 180        | ug/Kg             |
| 106-47-8       | 4-Chloroaniline             | 89.2  | UQ        | 89.2 | 180        | ug/Kg             |
| 87-68-3        | Hexachlorobutadiene         | 89.9  | U         | 89.9 | 180        | ug/Kg             |
| 105-60-2       | Caprolactam                 | 93.7  | U         | 93.7 | 360        | ug/Kg             |
| 59-50-7        | 4-Chloro-3-methylphenol     | 83.7  | U         | 83.7 | 180        | ug/Kg             |
| 91-57-6        | 2-Methylnaphthalene         | 89.1  | U         | 89.1 | 180        | ug/Kg             |
| 77-47-4        | Hexachlorocyclopentadiene   | 170   | U         | 170  | 360        | ug/Kg             |
| 88-06-2        | 2,4,6-Trichlorophenol       | 77.1  | U         | 77.1 | 180        | ug/Kg             |
| 95-95-4        | 2,4,5-Trichlorophenol       | 79.9  | U         | 79.9 | 180        | ug/Kg             |
| 92-52-4        | 1,1-Biphenyl                | 94.4  | U         | 94.4 | 180        | ug/Kg             |
| 91-58-7        | 2-Chloronaphthalene         | 89.9  | U         | 89.9 | 180        | ug/Kg             |
| 88-74-4        | 2-Nitroaniline              | 100   | U         | 100  | 180        | ug/Kg             |
| 131-11-3       | Dimethylphthalate           | 88.2  | U         | 88.2 | 180        | ug/Kg             |

## Report of Analysis

|                    |                     |                 |                  |
|--------------------|---------------------|-----------------|------------------|
| Client:            | G Environmental     | Date Collected: | 02/23/25         |
| Project:           | Nelson              | Date Received:  | 02/26/25         |
| Client Sample ID:  | WC1                 | SDG No.:        | Q1447            |
| Lab Sample ID:     | Q1447-01            | Matrix:         | SOIL             |
| Analytical Method: | SW8270              | % Solid:        | 92.4             |
| Sample Wt/Vol:     | 30.07      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 |
| BF141821.D        | 1         | 03/03/25 13:15 | 03/03/25 19:14 | PB166957      |

| CAS Number | Parameter                  | Conc. | Qualifier | MDL  | LOQ / CRQL | Units(Dry Weight) |
|------------|----------------------------|-------|-----------|------|------------|-------------------|
| 208-96-8   | Acenaphthylene             | 93.4  | U         | 93.4 | 180        | ug/Kg             |
| 606-20-2   | 2,6-Dinitrotoluene         | 89.8  | U         | 89.8 | 180        | ug/Kg             |
| 99-09-2    | 3-Nitroaniline             | 96.3  | UQ        | 96.3 | 180        | ug/Kg             |
| 83-32-9    | Acenaphthene               | 87.6  | U         | 87.6 | 180        | ug/Kg             |
| 51-28-5    | 2,4-Dinitrophenol          | 260   | U         | 260  | 360        | ug/Kg             |
| 100-02-7   | 4-Nitrophenol              | 130   | U         | 130  | 360        | ug/Kg             |
| 132-64-9   | Dibenzofuran               | 91.1  | U         | 91.1 | 180        | ug/Kg             |
| 121-14-2   | 2,4-Dinitrotoluene         | 93.1  | U         | 93.1 | 180        | ug/Kg             |
| 84-66-2    | Diethylphthalate           | 86.5  | U         | 86.5 | 180        | ug/Kg             |
| 7005-72-3  | 4-Chlorophenyl-phenylether | 92.4  | U         | 92.4 | 180        | ug/Kg             |
| 86-73-7    | Fluorene                   | 92.3  | U         | 92.3 | 180        | ug/Kg             |
| 100-01-6   | 4-Nitroaniline             | 120   | U         | 120  | 180        | ug/Kg             |
| 534-52-1   | 4,6-Dinitro-2-methylphenol | 130   | U         | 130  | 360        | ug/Kg             |
| 86-30-6    | n-Nitrosodiphenylamine     | 88.1  | U         | 88.1 | 180        | ug/Kg             |
| 101-55-3   | 4-Bromophenyl-phenylether  | 85.2  | U         | 85.2 | 180        | ug/Kg             |
| 118-74-1   | Hexachlorobenzene          | 91.8  | U         | 91.8 | 180        | ug/Kg             |
| 1912-24-9  | Atrazine                   | 98.7  | U         | 98.7 | 180        | ug/Kg             |
| 87-86-5    | Pentachlorophenol          | 83.5  | U         | 83.5 | 360        | ug/Kg             |
| 85-01-8    | Phenanthrene               | 90.7  | U         | 90.7 | 180        | ug/Kg             |
| 120-12-7   | Anthracene                 | 91.1  | U         | 91.1 | 180        | ug/Kg             |
| 86-74-8    | Carbazole                  | 86.7  | U         | 86.7 | 180        | ug/Kg             |
| 84-74-2    | Di-n-butylphthalate        | 91.0  | U         | 91.0 | 180        | ug/Kg             |
| 206-44-0   | Fluoranthene               | 88.2  | U         | 88.2 | 180        | ug/Kg             |
| 129-00-0   | Pyrene                     | 89.6  | U         | 89.6 | 180        | ug/Kg             |
| 85-68-7    | Butylbenzylphthalate       | 100   | U         | 100  | 180        | ug/Kg             |
| 91-94-1    | 3,3-Dichlorobenzidine      | 110   | UQ        | 110  | 360        | ug/Kg             |
| 56-55-3    | Benzo(a)anthracene         | 87.1  | U         | 87.1 | 180        | ug/Kg             |
| 218-01-9   | Chrysene                   | 85.8  | U         | 85.8 | 180        | ug/Kg             |
| 117-81-7   | Bis(2-ethylhexyl)phthalate | 1400  |           | 98.3 | 180        | ug/Kg             |
| 117-84-0   | Di-n-octyl phthalate       | 120   | U         | 120  | 360        | ug/Kg             |
| 205-99-2   | Benzo(b)fluoranthene       | 87.6  | U         | 87.6 | 180        | ug/Kg             |

## Report of Analysis

|                    |                     |                 |                  |
|--------------------|---------------------|-----------------|------------------|
| Client:            | G Environmental     | Date Collected: | 02/23/25         |
| Project:           | Nelson              | Date Received:  | 02/26/25         |
| Client Sample ID:  | WC1                 | SDG No.:        | Q1447            |
| Lab Sample ID:     | Q1447-01            | Matrix:         | SOIL             |
| Analytical Method: | SW8270              | % Solid:        | 92.4             |
| Sample Wt/Vol:     | 30.07      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 |
| BF141821.D        | 1         | 03/03/25 13:15 | 03/03/25 19:14 | PB166957      |

| CAS Number | Parameter                  | Conc. | Qualifier | MDL  | LOQ / CRQL | Units(Dry Weight) |
|------------|----------------------------|-------|-----------|------|------------|-------------------|
| 207-08-9   | Benzo(k)fluoranthene       | 89.2  | U         | 89.2 | 180        | ug/Kg             |
| 50-32-8    | Benzo(a)pyrene             | 100   | U         | 100  | 180        | ug/Kg             |
| 193-39-5   | Indeno(1,2,3-cd)pyrene     | 84.3  | U         | 84.3 | 180        | ug/Kg             |
| 53-70-3    | Dibenzo(a,h)anthracene     | 87.7  | U         | 87.7 | 180        | ug/Kg             |
| 191-24-2   | Benzo(g,h,i)perylene       | 86.5  | U         | 86.5 | 180        | ug/Kg             |
| 95-94-3    | 1,2,4,5-Tetrachlorobenzene | 93.7  | U         | 93.7 | 180        | ug/Kg             |
| 123-91-1   | 1,4-Dioxane                | 120   | U         | 120  | 180        | ug/Kg             |
| 58-90-2    | 2,3,4,6-Tetrachlorophenol  | 80.7  | U         | 80.7 | 180        | ug/Kg             |

### SURROGATES

|            |                      |      |  |                     |     |          |
|------------|----------------------|------|--|---------------------|-----|----------|
| 367-12-4   | 2-Fluorophenol       | 86.1 |  | 30 (18) - 130 (112) | 57% | SPK: 150 |
| 13127-88-3 | Phenol-d6            | 84.6 |  | 30 (15) - 130 (107) | 56% | SPK: 150 |
| 4165-60-0  | Nitrobenzene-d5      | 70.8 |  | 30 (18) - 130 (107) | 71% | SPK: 100 |
| 321-60-8   | 2-Fluorobiphenyl     | 61.8 |  | 30 (20) - 130 (109) | 62% | SPK: 100 |
| 118-79-6   | 2,4,6-Tribromophenol | 91.0 |  | 30 (10) - 130 (116) | 61% | SPK: 150 |
| 1718-51-0  | Terphenyl-d14        | 49.8 |  | 30 (10) - 130 (105) | 50% | SPK: 100 |

### INTERNAL STANDARDS

|            |                        |        |        |
|------------|------------------------|--------|--------|
| 3855-82-1  | 1,4-Dichlorobenzene-d4 | 144000 | 6.892  |
| 1146-65-2  | Naphthalene-d8         | 617000 | 8.169  |
| 15067-26-2 | Acenaphthene-d10       | 349000 | 9.928  |
| 1517-22-2  | Phenanthrene-d10       | 458000 | 11.433 |
| 1719-03-5  | Chrysene-d12           | 417000 | 14.116 |
| 1520-96-3  | Perylene-d12           | 464000 | 15.621 |

### TENTATIVE IDENTIFIED COMPOUNDS

|             |                                 |     |   |      |       |
|-------------|---------------------------------|-----|---|------|-------|
|             | unknown6.145                    | 220 | J | 6.14 | ug/Kg |
| 004291-79-6 | Cyclohexane, 1-methyl-2-propyl- | 210 | J | 6.63 | ug/Kg |
| 000108-67-8 | Mesitylene                      | 430 | J | 6.72 | ug/Kg |
|             | unknown7.004                    | 250 | J | 7.00 | ug/Kg |
| 001678-98-4 | Cyclohexane, (2-methylpropyl)-  | 320 | J | 7.04 | ug/Kg |
| 000112-41-4 | 1-Dodecene                      | 260 | J | 7.16 | ug/Kg |
| 000493-02-7 | Naphthalene, decahydro-, trans- | 320 | J | 7.29 | ug/Kg |

## Report of Analysis

|                    |                        |                 |                              |
|--------------------|------------------------|-----------------|------------------------------|
| Client:            | G Environmental        | Date Collected: | 02/23/25                     |
| Project:           | Nelson                 | Date Received:  | 02/26/25                     |
| Client Sample ID:  | WC1                    | SDG No.:        | Q1447                        |
| Lab Sample ID:     | Q1447-01               | Matrix:         | SOIL                         |
| Analytical Method: | SW8270                 | % Solid:        | 92.4                         |
| Sample Wt/Vol:     | 30.07      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 |
| BF141821.D        | 1         | 03/03/25 13:15 | 03/03/25 19:14 | PB166957      |

| CAS Number   | Parameter                          | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|--------------|------------------------------------|-------|-----------|-----|------------|-------------------|
| 000527-84-4  | o-Cymene                           | 170   | J         |     | 7.38       | ug/Kg             |
|              | unknown7.534                       | 650   | J         |     | 7.53       | ug/Kg             |
| 013287-21-3  | Tridecane, 6-methyl-               | 490   | J         |     | 7.59       | ug/Kg             |
| 017312-54-8  | Decane, 3,7-dimethyl-              | 1700  | J         |     | 7.67       | ug/Kg             |
| 004292-92-6  | Cyclohexane, pentyl-               | 570   | J         |     | 7.79       | ug/Kg             |
|              | unknown7.816                       | 190   | J         |     | 7.82       | ug/Kg             |
| 000095-93-2  | Benzene, 1,2,4,5-tetramethyl-      | 380   | J         |     | 7.91       | ug/Kg             |
|              | unknown8.104                       | 420   | J         |     | 8.10       | ug/Kg             |
|              | unknown8.410                       | 180   | J         |     | 8.41       | ug/Kg             |
| 004575-46-6  | Benzene, 1-cyclohexyl-3-methyl-    | 680   | J         |     | 9.56       | ug/Kg             |
| 007098-22-8  | Tetratetracontane                  | 820   | J         |     | 9.65       | ug/Kg             |
| 000719-22-2  | 2,5-Cyclohexadiene-1,4-dione, 2,6- | 390   | J         |     | 9.74       | ug/Kg             |
| 1000309-19-6 | Sulfurous acid, 2-ethylhexyl tride | 720   | J         |     | 10.9       | 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\BF030325\  
 Data File : BF141821.D  
 Acq On : 03 Mar 2025 19:14  
 Operator : RC/JU  
 Sample : Q1447-01  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 WC1

Quant Time: Mar 04 00:14:39 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF022725.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Feb 28 01:48:16 2025  
 Response via : Initial Calibration

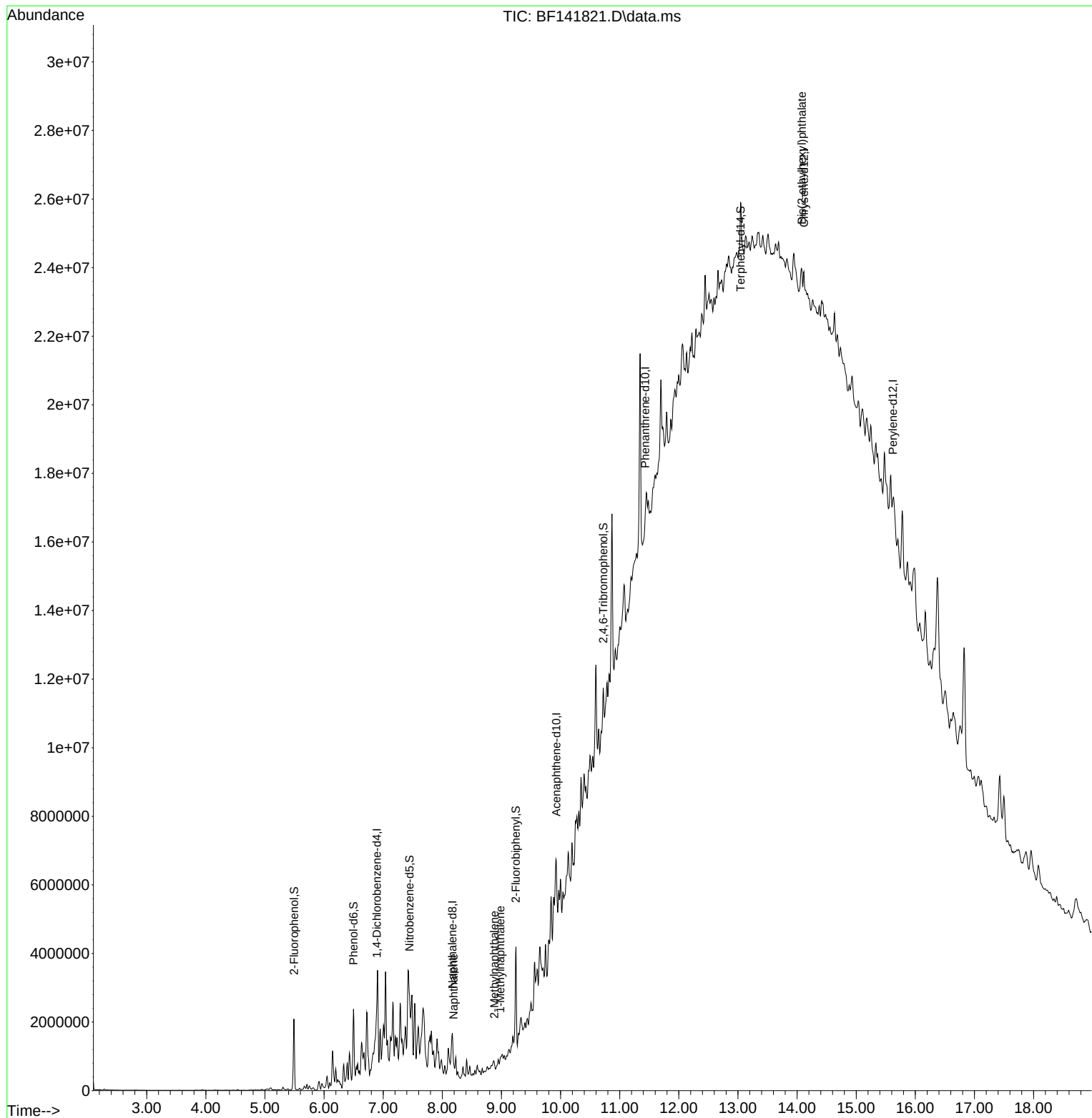
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.892  | 152  | 144444   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.169  | 136  | 617193   | 20.000 | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 9.928  | 164  | 349015   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.433 | 188  | 458368   | 20.000 | ng    | # 0.02   |
| 76) Chrysene-d12              | 14.116 | 240  | 417353   | 20.000 | ng    | # 0.06   |
| 86) Perylene-d12              | 15.621 | 264  | 463776   | 20.000 | ng    | # 0.10   |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.493  | 112  | 778990   | 86.126 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.498  | 99   | 996271   | 84.626 | ng    | -0.01    |
| 23) Nitrobenzene-d5           | 7.445  | 82   | 683578   | 70.795 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.722 | 330  | 298206   | 91.010 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.245  | 172  | 1344216  | 61.756 | ng    | 0.00     |
| 79) Terphenyl-d14             | 13.045 | 244  | 1283933  | 49.773 | ng    | 0.05     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 31) Naphthalene               | 8.192  | 128  | 83504    | 2.632  | ng    | # 85     |
| 37) 2-Methylnaphthalene       | 8.881  | 142  | 48766    | 2.344  | ng    | 100      |
| 38) 1-Methylnaphthalene       | 8.981  | 142  | 41921    | 2.100  | ng    | 98       |
| 84) Bis(2-ethylhexyl)phtha... | 14.080 | 149  | 652409   | 39.904 | ng    | # 82     |
| -----                         |        |      |          |        |       |          |

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

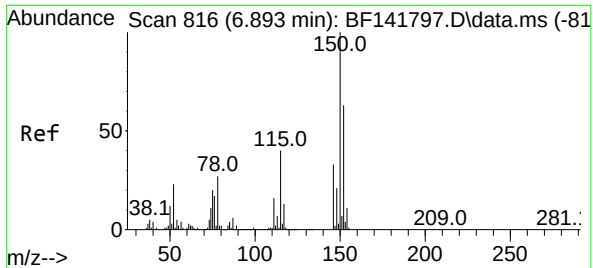
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Data File : BF141821.D  
Acq On : 03 Mar 2025 19:14  
Operator : RC/JU  
Sample : Q1447-01  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
WC1

Quant Time: Mar 04 00:14:39 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF022725.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Feb 28 01:48:16 2025  
Response via : Initial Calibration



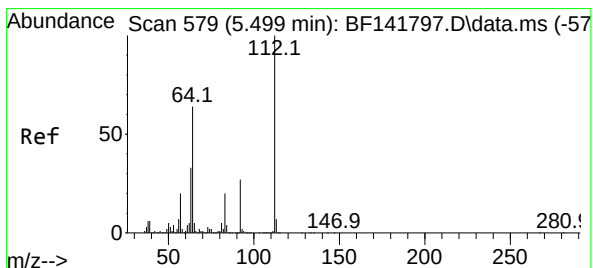
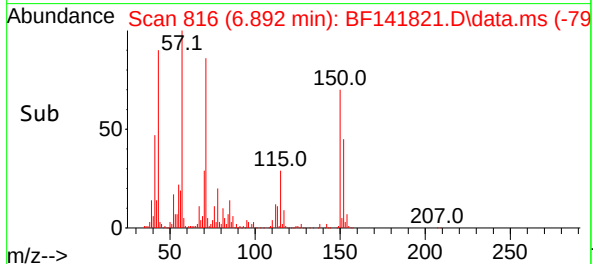
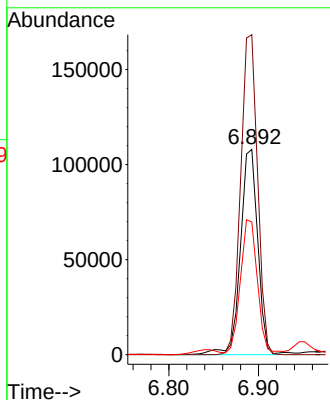
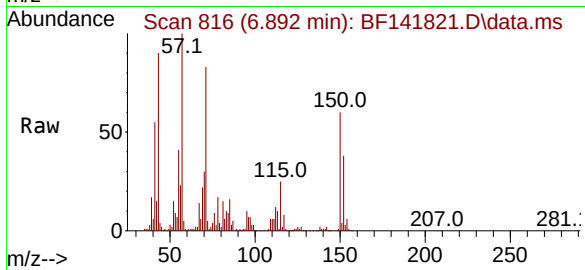




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.892 min Scan# 816  
Delta R.T. -0.001 min  
Lab File: BF141821.D  
Acq: 03 Mar 2025 19:14

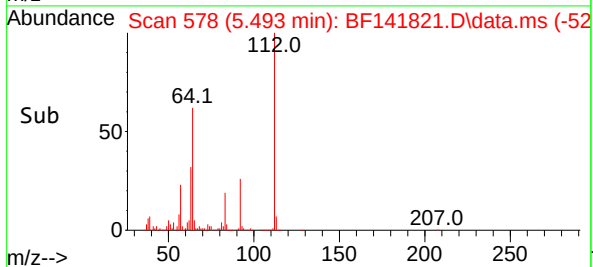
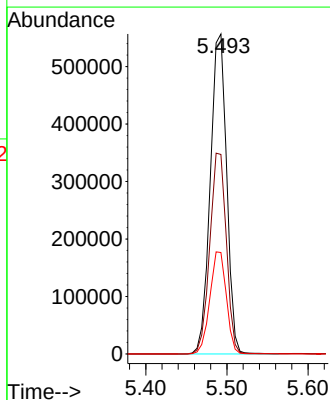
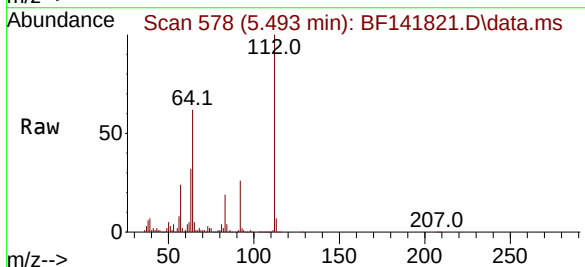
Instrument :  
BNA\_F  
ClientSampleId :  
WC1

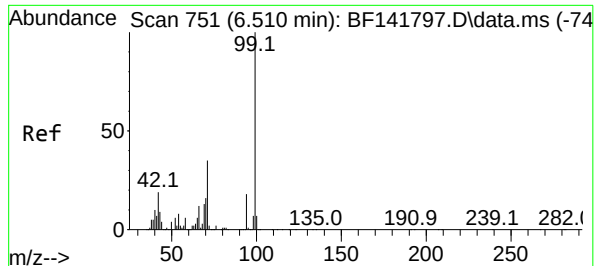
Tgt Ion:152 Resp: 144444  
Ion Ratio Lower Upper  
152 100  
150 155.9 127.5 191.3  
115 64.6 51.4 77.2



#5  
2-Fluorophenol  
Concen: 86.126 ng  
RT: 5.493 min Scan# 578  
Delta R.T. -0.006 min  
Lab File: BF141821.D  
Acq: 03 Mar 2025 19:14

Tgt Ion:112 Resp: 778990  
Ion Ratio Lower Upper  
112 100  
64 62.3 51.3 76.9  
63 31.7 26.2 39.4

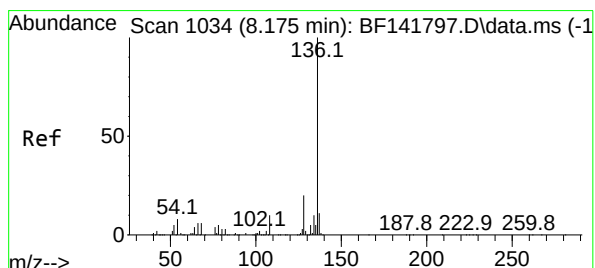
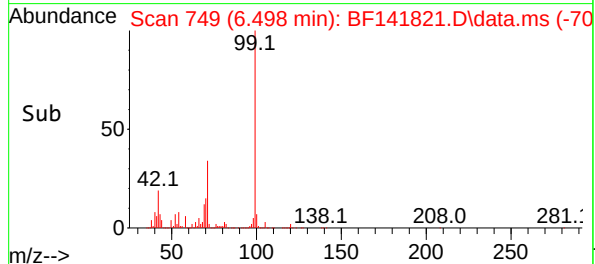
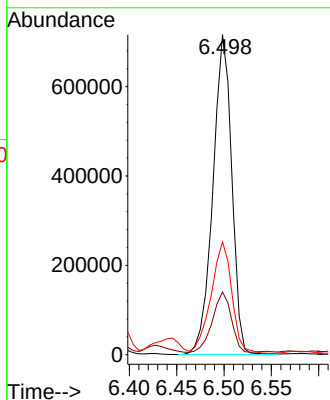
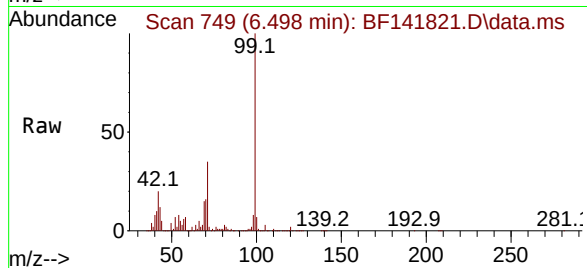




#7  
Phenol-d6  
Concen: 84.626 ng  
RT: 6.498 min Scan# 749  
Delta R.T. -0.012 min  
Lab File: BF141821.D  
Acq: 03 Mar 2025 19:14

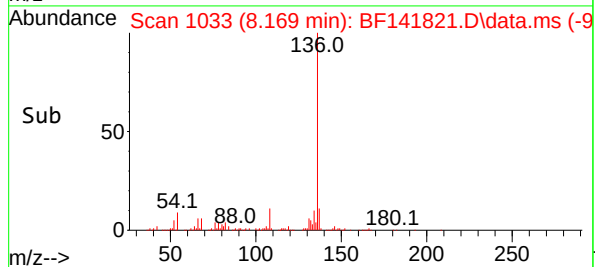
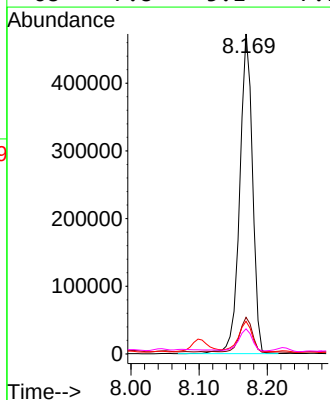
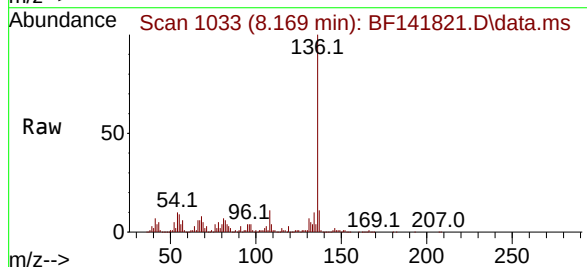
Instrument :  
BNA\_F  
ClientSampleId :  
WC1

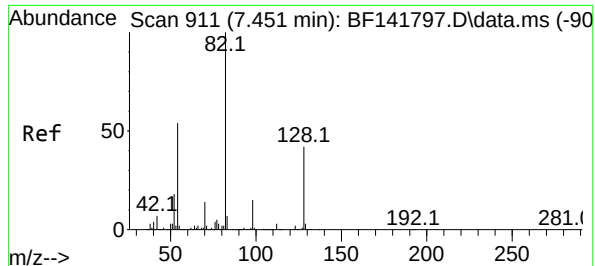
Tgt Ion: 99 Resp: 996271  
Ion Ratio Lower Upper  
99 100  
42 19.6 15.2 22.8  
71 35.2 28.2 42.2



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.169 min Scan# 1033  
Delta R.T. -0.006 min  
Lab File: BF141821.D  
Acq: 03 Mar 2025 19:14

Tgt Ion: 136 Resp: 617193  
Ion Ratio Lower Upper  
136 100  
137 11.4 8.9 13.3  
54 10.2 6.9 10.3  
68 7.8 5.1 7.7#





#23

Nitrobenzene-d5

Concen: 70.795 ng

RT: 7.445 min Scan# 911

Delta R.T. -0.006 min

Lab File: BF141821.D

Acq: 03 Mar 2025 19:14

Instrument :

BNA\_F

ClientSampleId :

WC1

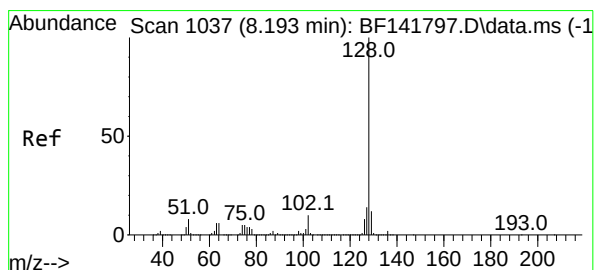
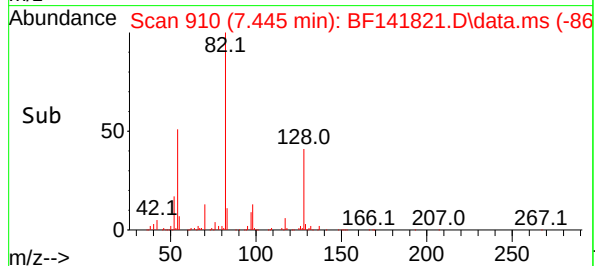
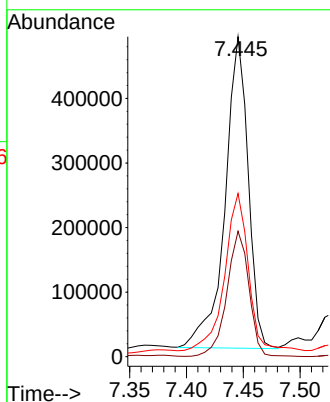
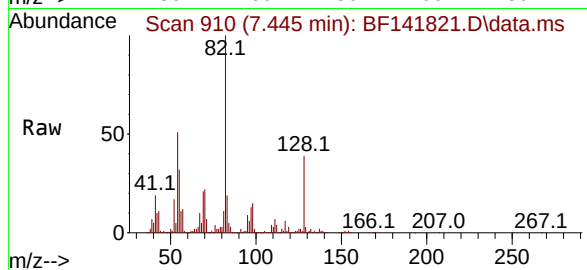
Tgt Ion: 82 Resp: 683578

Ion Ratio Lower Upper

82 100

128 39.2 33.5 50.3

54 51.0 42.7 64.1



#31

Naphthalene

Concen: 2.632 ng

RT: 8.192 min Scan# 1037

Delta R.T. -0.000 min

Lab File: BF141821.D

Acq: 03 Mar 2025 19:14

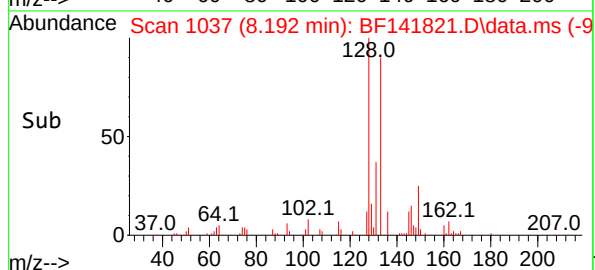
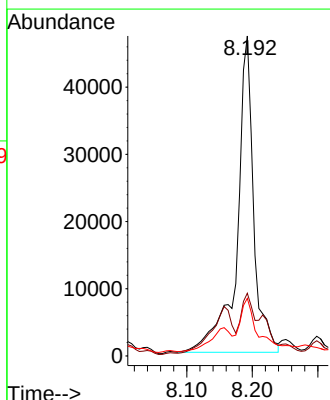
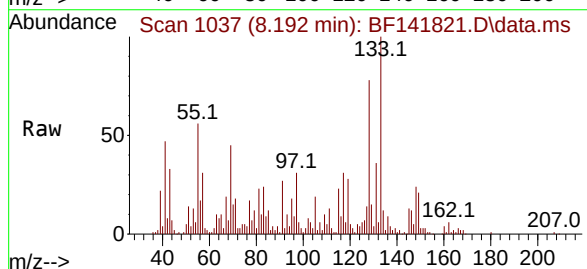
Tgt Ion: 128 Resp: 83504

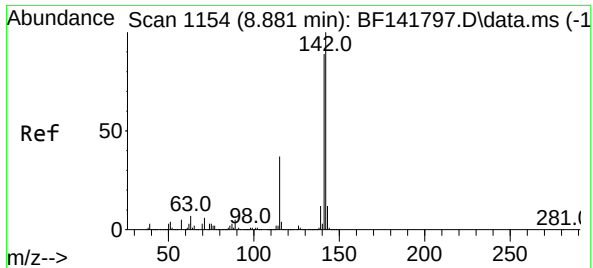
Ion Ratio Lower Upper

128 100

129 19.6 9.2 13.8#

127 18.0 11.0 16.4#

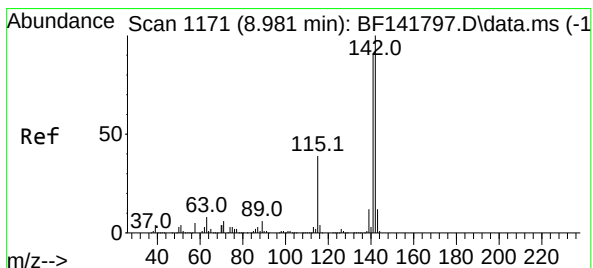
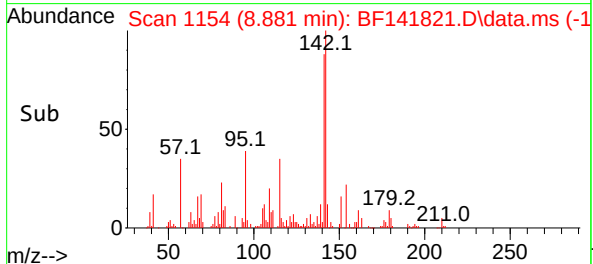
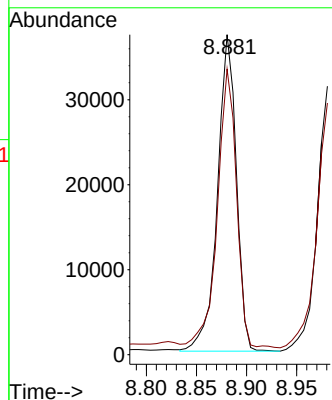
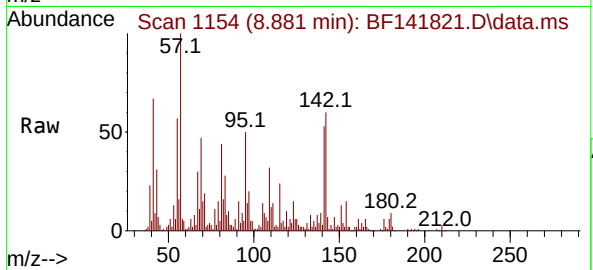




#37  
2-Methylnaphthalene  
Concen: 2.344 ng  
RT: 8.881 min Scan# 1154  
Delta R.T. -0.000 min  
Lab File: BF141821.D  
Acq: 03 Mar 2025 19:14

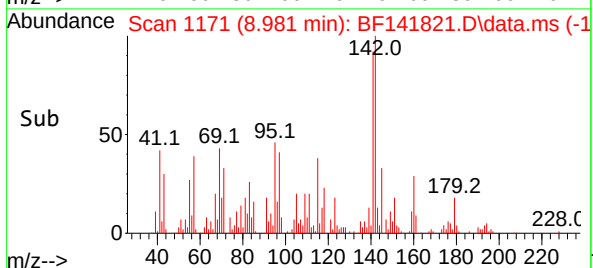
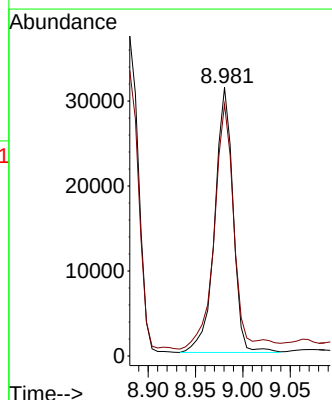
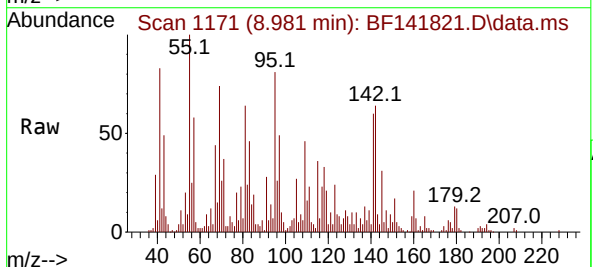
Instrument :  
BNA\_F  
ClientSampleId :  
WC1

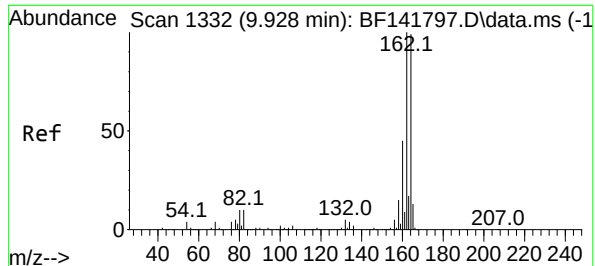
Tgt Ion:142 Resp: 48766  
Ion Ratio Lower Upper  
142 100  
141 89.3 71.1 106.7



#38  
1-Methylnaphthalene  
Concen: 2.100 ng  
RT: 8.981 min Scan# 1171  
Delta R.T. -0.000 min  
Lab File: BF141821.D  
Acq: 03 Mar 2025 19:14

Tgt Ion:142 Resp: 41921  
Ion Ratio Lower Upper  
142 100  
141 93.7 73.1 109.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.928 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF141821.D

Acq: 03 Mar 2025 19:14

Instrument :

BNA\_F

ClientSampleId :

WC1

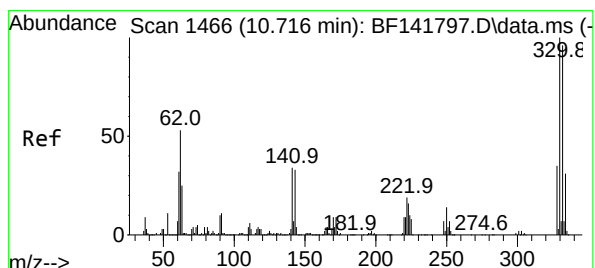
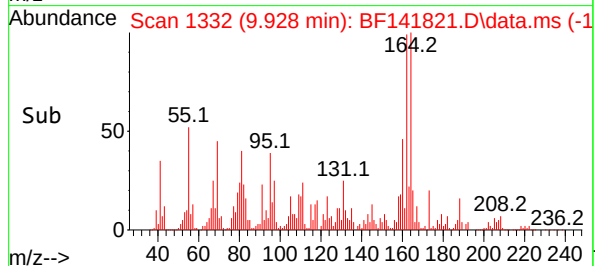
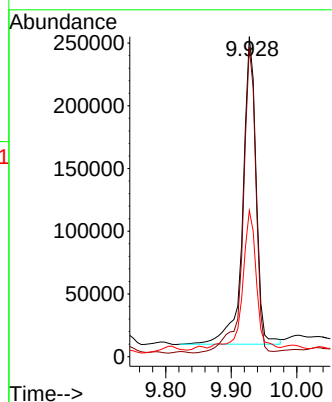
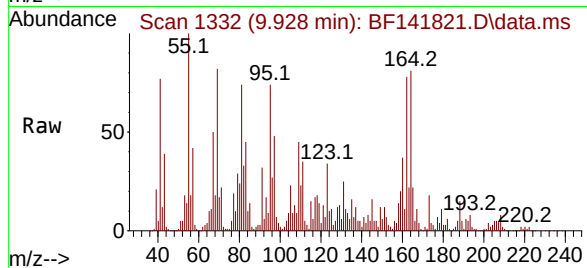
Tgt Ion:164 Resp: 349015

Ion Ratio Lower Upper

164 100

162 96.8 80.6 120.8

160 45.6 36.3 54.5



#42

2,4,6-Tribromophenol

Concen: 91.010 ng

RT: 10.722 min Scan# 1467

Delta R.T. 0.006 min

Lab File: BF141821.D

Acq: 03 Mar 2025 19:14

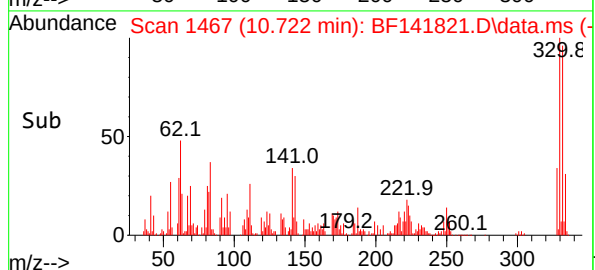
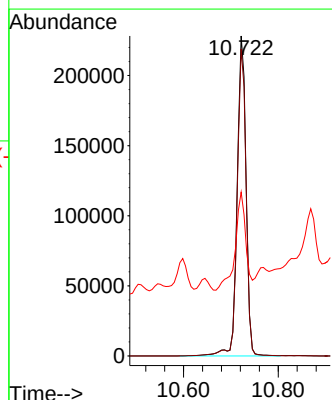
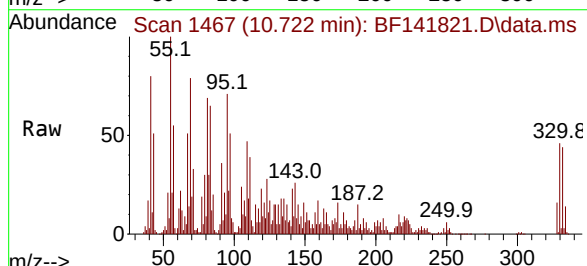
Tgt Ion:330 Resp: 298206

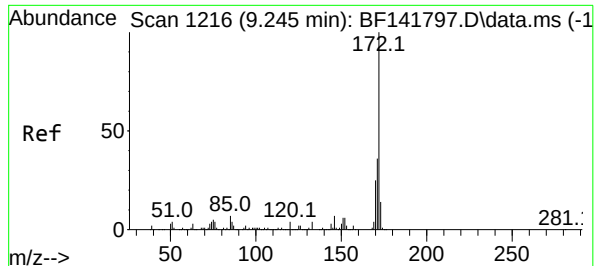
Ion Ratio Lower Upper

330 100

332 96.4 76.6 115.0

141 36.1 29.0 43.4





#45

2-Fluorobiphenyl

Concen: 61.756 ng

RT: 9.245 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF141821.D

Acq: 03 Mar 2025 19:14

Instrument :

BNA\_F

ClientSampleId :

WC1

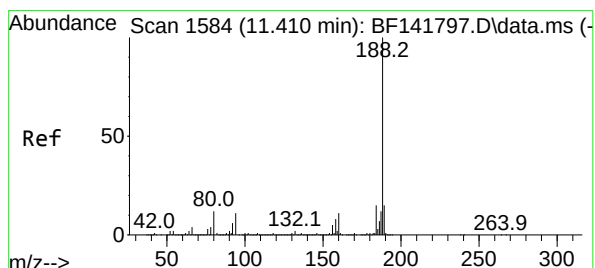
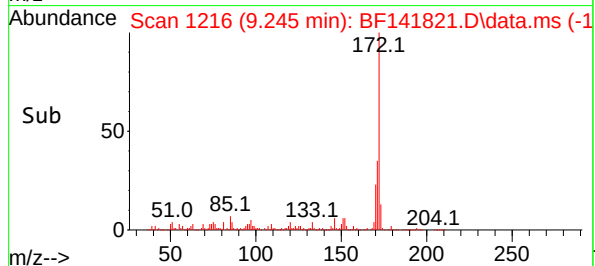
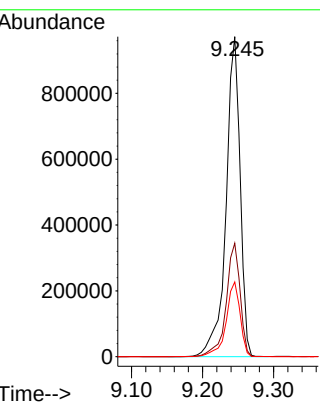
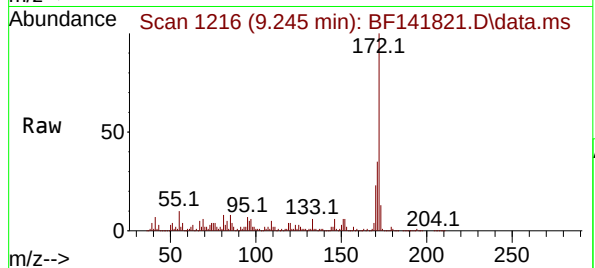
Tgt Ion:172 Resp: 1344216

Ion Ratio Lower Upper

172 100

171 35.5 29.2 43.8

170 23.4 19.7 29.5



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.433 min Scan# 1588

Delta R.T. 0.023 min

Lab File: BF141821.D

Acq: 03 Mar 2025 19:14

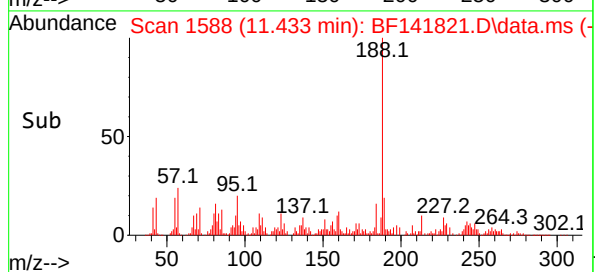
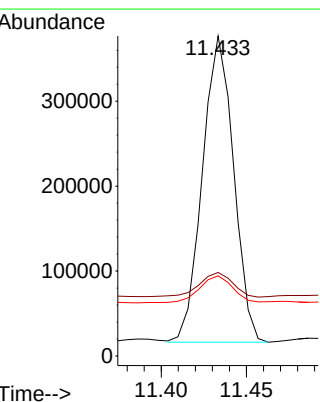
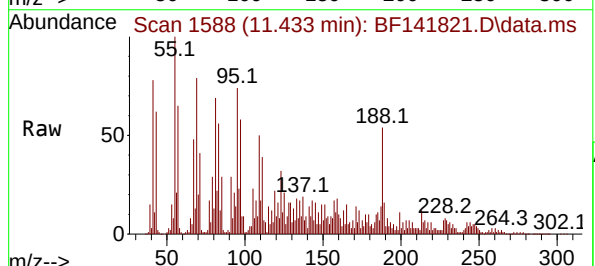
Tgt Ion:188 Resp: 458368

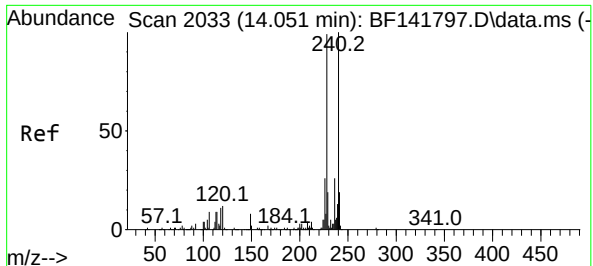
Ion Ratio Lower Upper

188 100

94 26.1 8.9 13.3#

80 25.0 9.7 14.5#

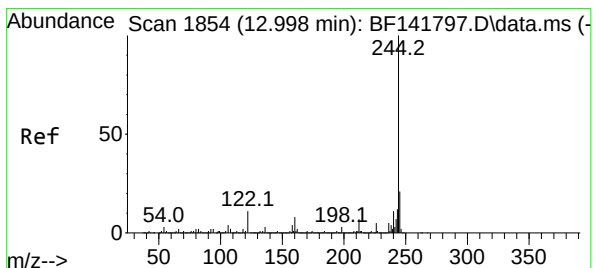
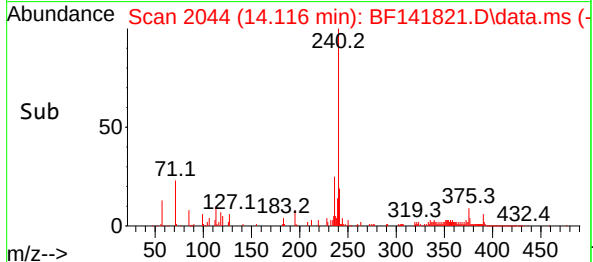
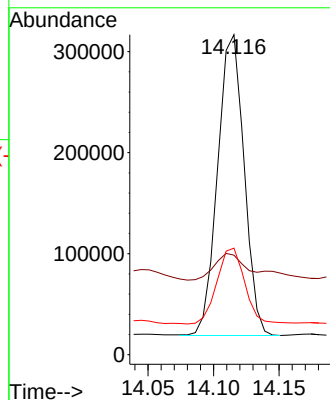
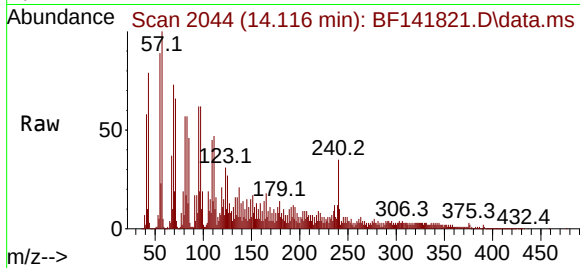




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.116 min Scan# 2033  
Delta R.T. 0.065 min  
Lab File: BF141821.D  
Acq: 03 Mar 2025 19:14

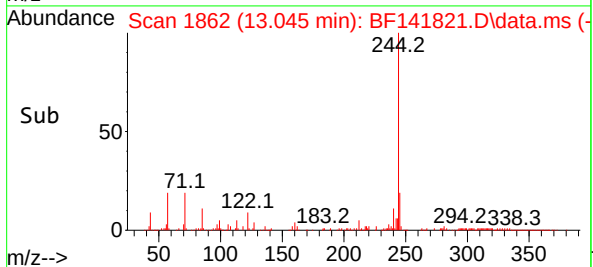
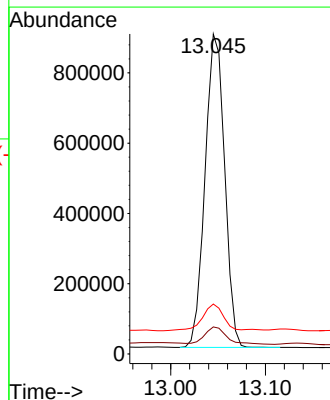
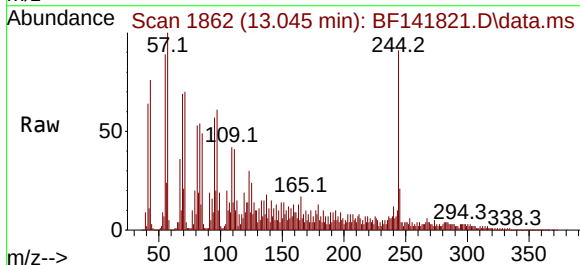
Instrument :  
BNA\_F  
ClientSampleId :  
WC1

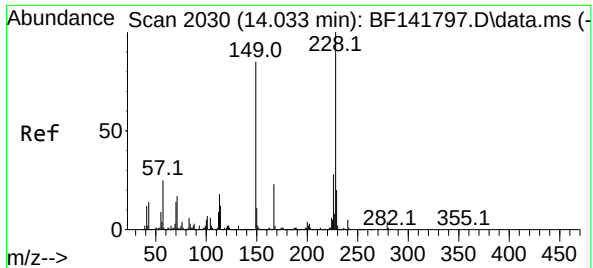
Tgt Ion:240 Resp: 417353  
Ion Ratio Lower Upper  
240 100  
120 31.1 9.7 14.5#  
236 33.3 21.0 31.4#



#79  
Terphenyl-d14  
Concen: 49.773 ng  
RT: 13.045 min Scan# 1862  
Delta R.T. 0.047 min  
Lab File: BF141821.D  
Acq: 03 Mar 2025 19:14

Tgt Ion:244 Resp: 1283933  
Ion Ratio Lower Upper  
244 100  
212 8.4 6.0 9.0  
122 15.6 9.0 13.6#

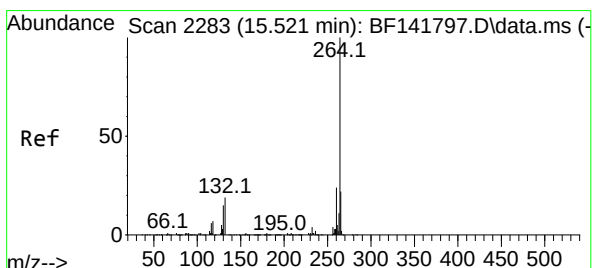
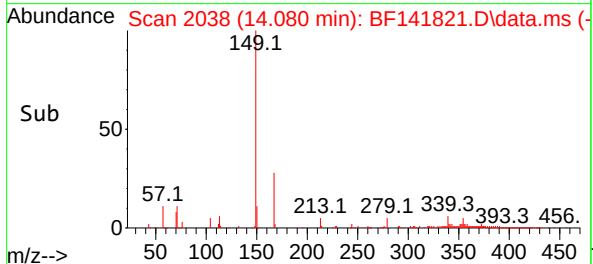
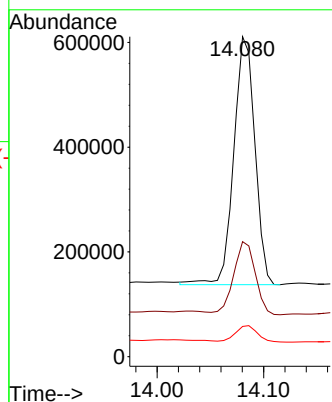
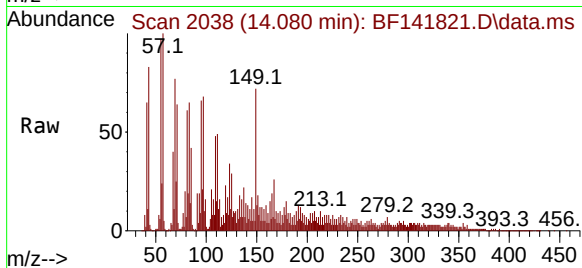




#84  
Bis(2-ethylhexyl)phthalate  
Concen: 39.904 ng  
RT: 14.080 min Scan# 2038  
Delta R.T. 0.047 min  
Lab File: BF141821.D  
Acq: 03 Mar 2025 19:14

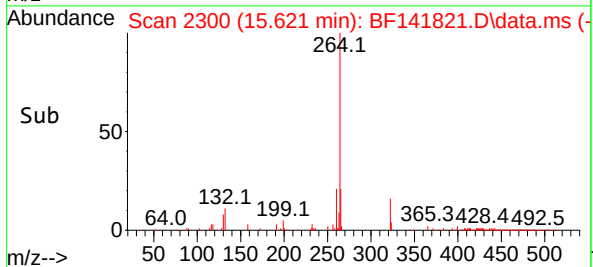
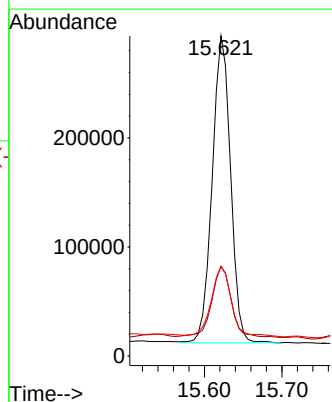
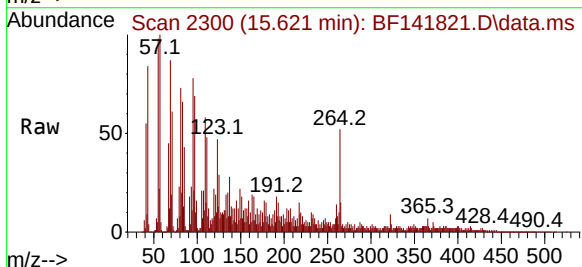
Instrument :  
BNA\_F  
ClientSampleId :  
WC1

Tgt Ion:149 Resp: 652409  
Ion Ratio Lower Upper  
149 100  
167 35.9 21.2 31.8#  
279 9.5 3.3 4.9#



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.621 min Scan# 2300  
Delta R.T. 0.100 min  
Lab File: BF141821.D  
Acq: 03 Mar 2025 19:14

Tgt Ion:264 Resp: 463776  
Ion Ratio Lower Upper  
264 100  
260 27.9 18.9 28.3  
265 28.1 17.4 26.0#





Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF030325\  
Data File : BF141821.D  
Acq On : 03 Mar 2025 19:14  
Operator : RC/JU  
Sample : Q1447-01  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
WC1

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-BF022725.M  
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF141821.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         | 5.487       | 565           | 577         | 584          | rBV      | 2064730        | 2987597       | 47.23%          | 3.454%        |
| 2         | 5.916       | 642           | 650         | 654          | rBV4     | 251076         | 478608        | 7.57%           | 0.553%        |
| 3         | 5.963       | 654           | 658         | 665          | rVV3     | 166719         | 347642        | 5.50%           | 0.402%        |
| 4         | 6.051       | 665           | 673         | 677          | rVB4     | 349208         | 636090        | 10.06%          | 0.735%        |
| 5         | 6.145       | 684           | 689         | 695          | rBV2     | 1023118        | 1807047       | 28.57%          | 2.089%        |
| 6         | 6.198       | 695           | 698         | 701          | rVB      | 402173         | 456839        | 7.22%           | 0.528%        |
| 7         | 6.334       | 716           | 721         | 725          | rBV3     | 692689         | 1187635       | 18.77%          | 1.373%        |
| 8         | 6.392       | 725           | 731         | 734          | rVV      | 604181         | 861854        | 13.62%          | 0.996%        |
| 9         | 6.428       | 734           | 737         | 743          | rVB4     | 801021         | 1347742       | 21.31%          | 1.558%        |
| 10        | 6.498       | 743           | 749         | 754          | rBV      | 2070752        | 3132237       | 49.52%          | 3.621%        |
| 11        | 6.545       | 754           | 757         | 759          | rBV      | 248355         | 301879        | 4.77%           | 0.349%        |
| 12        | 6.634       | 768           | 772         | 776          | rBV4     | 931945         | 1783035       | 28.19%          | 2.061%        |
| 13        | 6.722       | 783           | 787         | 795          | rVB4     | 1835773        | 3589383       | 56.74%          | 4.149%        |
| 14        | 6.828       | 799           | 805         | 807          | rBV4     | 500074         | 959420        | 15.17%          | 1.109%        |
| 15        | 6.904       | 807           | 818         | 822          | rVB2     | 2702737        | 5986352       | 94.63%          | 6.920%        |
| 16        | 6.951       | 822           | 826         | 829          | rBV2     | 977635         | 1285340       | 20.32%          | 1.486%        |
| 17        | 7.004       | 829           | 835         | 838          | rBV3     | 1003200        | 2054029       | 32.47%          | 2.375%        |
| 18        | 7.039       | 838           | 841         | 845          | rVB2     | 2153005        | 2689685       | 42.52%          | 3.109%        |
| 19        | 7.122       | 852           | 855         | 857          | rBV2     | 688697         | 909272        | 14.37%          | 1.051%        |
| 20        | 7.163       | 859           | 862         | 866          | rVB2     | 1597278        | 2124077       | 33.58%          | 2.456%        |
| 21        | 7.204       | 866           | 869         | 872          | rBV3     | 578366         | 849200        | 13.42%          | 0.982%        |
| 22        | 7.234       | 872           | 874         | 878          | rVB2     | 619944         | 708164        | 11.19%          | 0.819%        |
| 23        | 7.287       | 878           | 883         | 887          | rBV4     | 1629574        | 2691956       | 42.56%          | 3.112%        |
| 24        | 7.375       | 892           | 898         | 901          | rBV2     | 796228         | 1423051       | 22.50%          | 1.645%        |
| 25        | 7.422       | 901           | 906         | 913          | rBV4     | 2273642        | 5601005       | 88.54%          | 6.475%        |
| 26        | 7.534       | 921           | 925         | 929          | rVB3     | 1623829        | 2473754       | 39.11%          | 2.860%        |
| 27        | 7.592       | 929           | 935         | 939          | rBV3     | 931318         | 1863487       | 29.46%          | 2.154%        |
| 28        | 7.675       | 940           | 949         | 961          | rVB5     | 1711316        | 6325801       | 100.00%         | 7.313%        |
| 29        | 7.792       | 961           | 969         | 971          | rBV3     | 903200         | 2169486       | 34.30%          | 2.508%        |
| 30        | 7.816       | 971           | 973         | 977          | rVB4     | 697131         | 704656        | 11.14%          | 0.815%        |
| 31        | 7.910       | 983           | 989         | 992          | rBV3     | 828108         | 1442916       | 22.81%          | 1.668%        |
| 32        | 8.039       | 1008          | 1011        | 1015         | rVB3     | 236182         | 287403        | 4.54%           | 0.332%        |
| 33        | 8.104       | 1017          | 1022        | 1027         | rVV4     | 748700         | 1589739       | 25.13%          | 1.838%        |
| 34        | 8.169       | 1027          | 1033        | 1040         | rVV2     | 1201557        | 2729250       | 43.14%          | 3.155%        |
| 35        | 8.228       | 1040          | 1043        | 1046         | rVB2     | 505349         | 619067        | 9.79%           | 0.716%        |
| 36        | 8.257       | 1046          | 1048        | 1056         | rVB6     | 194605         | 301827        | 4.77%           | 0.349%        |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF030325\  
Data File : BF141821.D  
Acq On : 03 Mar 2025 19:14  
Operator : RC/JU  
Sample : Q1447-01  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
WC1

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-BF022725.M  
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 37 | 8.351  | 1060 | 1064 | 1070 | rVB3 | 278914  | 395566  | 6.25%  | 0.457% |
| 38 | 8.410  | 1070 | 1074 | 1079 | rBV3 | 483542  | 676200  | 10.69% | 0.782% |
| 39 | 8.463  | 1080 | 1083 | 1087 | rVB5 | 249316  | 300527  | 4.75%  | 0.347% |
| 40 | 8.592  | 1101 | 1105 | 1111 | rBV3 | 247105  | 452281  | 7.15%  | 0.523% |
| 41 | 9.245  | 1210 | 1216 | 1220 | rVB  | 2890040 | 4062500 | 64.22% | 4.696% |
| 42 | 9.286  | 1220 | 1223 | 1225 | rBV2 | 378094  | 519255  | 8.21%  | 0.600% |
| 43 | 9.563  | 1266 | 1270 | 1272 | rBV2 | 1298775 | 1921536 | 30.38% | 2.221% |
| 44 | 9.651  | 1281 | 1285 | 1291 | rBV4 | 1044826 | 2301465 | 36.38% | 2.661% |
| 45 | 9.745  | 1298 | 1301 | 1305 | rVB4 | 935768  | 1105705 | 17.48% | 1.278% |
| 46 | 9.886  | 1321 | 1325 | 1327 | rBV2 | 1231535 | 2030522 | 32.10% | 2.347% |
| 47 | 10.869 | 1489 | 1492 | 1498 | rVB  | 4537616 | 6030584 | 95.33% | 6.972% |

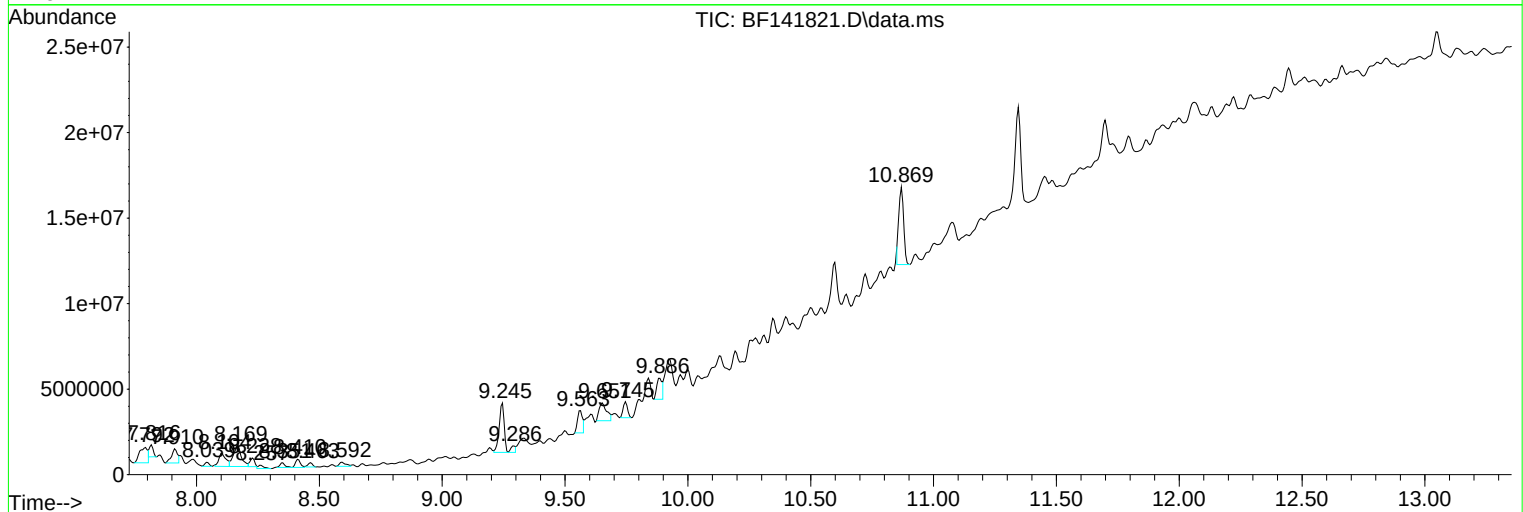
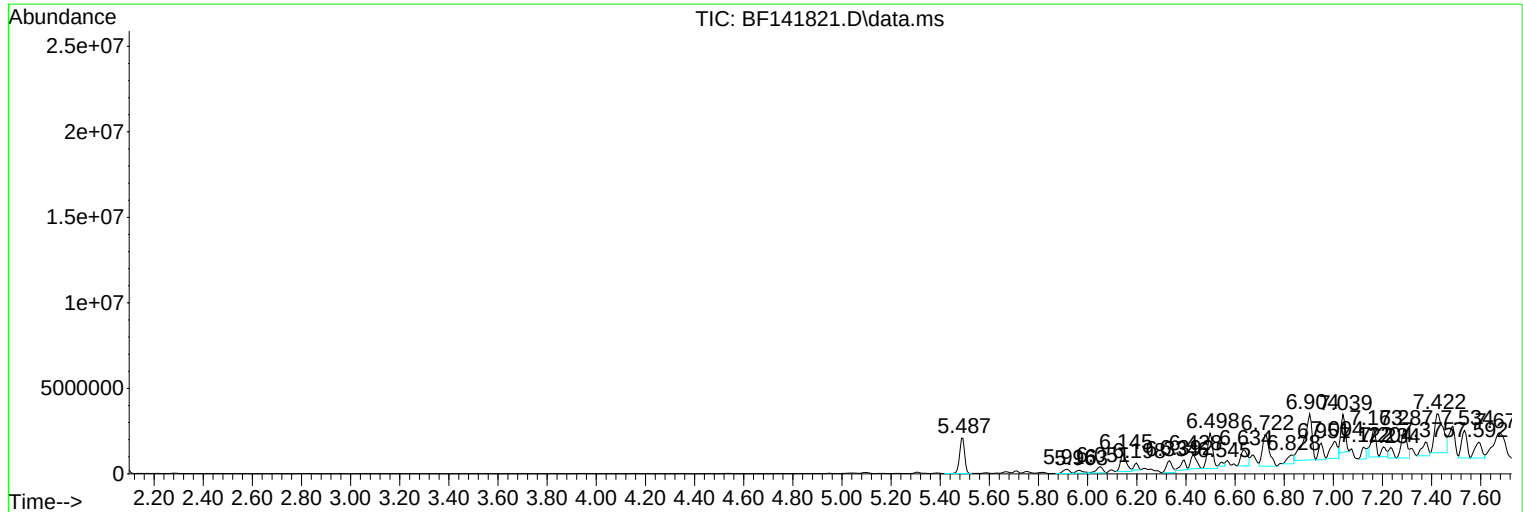
Sum of corrected areas: 86502666

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF030325\  
Data File : BF141821.D  
Acq On : 03 Mar 2025 19:14  
Operator : RC/JU  
Sample : Q1447-01  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
WC1

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF022725.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\BF030325\  
Data File : BF141821.D  
Acq On : 03 Mar 2025 19:14  
Operator : RC/JU  
Sample : Q1447-01  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
WC1

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF022725.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

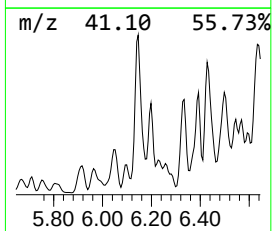
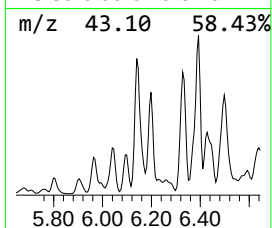
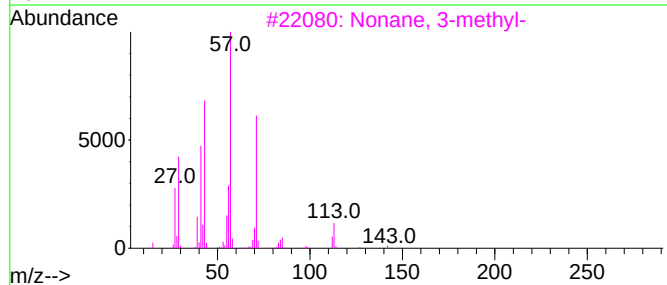
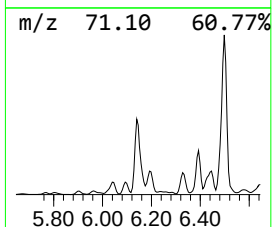
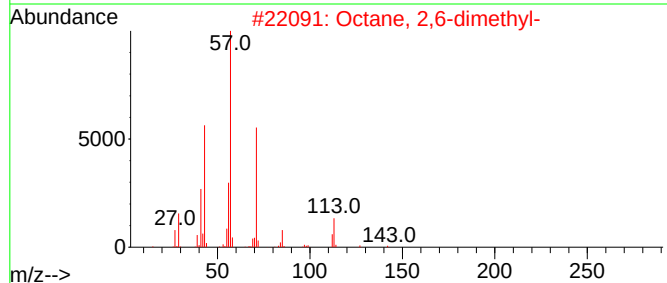
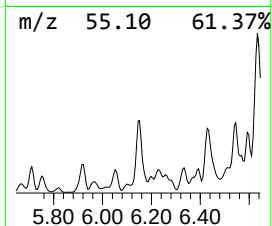
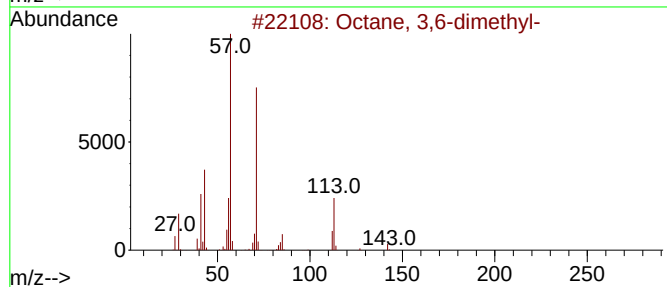
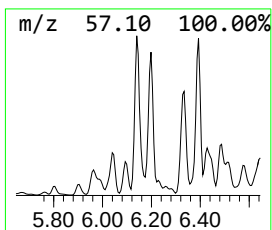
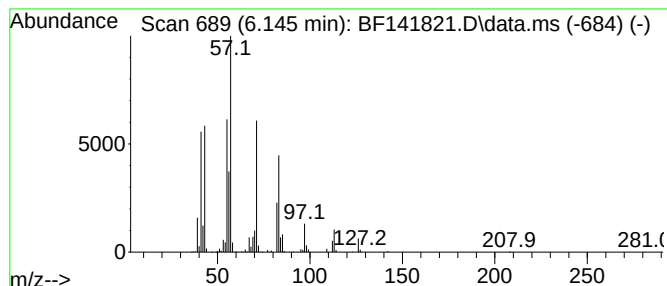
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 unknown6.145 Concentration Rank 16

| R.T.  | EstConc | Area    | Relative to ISTD       | R.T.  |
|-------|---------|---------|------------------------|-------|
| 6.145 | 6.04 ng | 1807050 | 1,4-Dichlorobenzene-d4 | 6.892 |

| Hit# | of | 5 | Tentative ID                    | MW  | MolForm | CAS#        | Qual |
|------|----|---|---------------------------------|-----|---------|-------------|------|
| 1    |    |   | Octane, 3,6-dimethyl-           | 142 | C10H22  | 015869-94-0 | 46   |
| 2    |    |   | Octane, 2,6-dimethyl-           | 142 | C10H22  | 002051-30-1 | 46   |
| 3    |    |   | Nonane, 3-methyl-               | 142 | C10H22  | 005911-04-6 | 46   |
| 4    |    |   | Cyclopentane, (2-methylpropyl)- | 126 | C9H18   | 003788-32-7 | 38   |
| 5    |    |   | Octane, 2,3,7-trimethyl-        | 156 | C11H24  | 062016-34-6 | 38   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF030325\  
Data File : BF141821.D  
Acq On : 03 Mar 2025 19:14  
Operator : RC/JU  
Sample : Q1447-01  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
WC1

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF022725.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

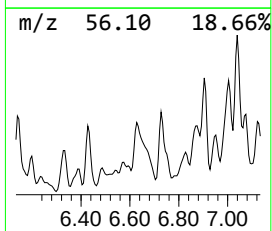
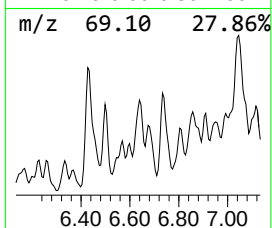
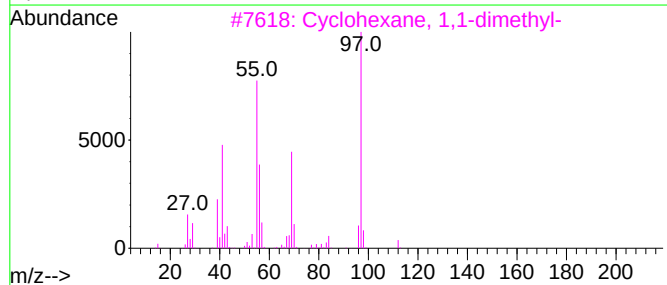
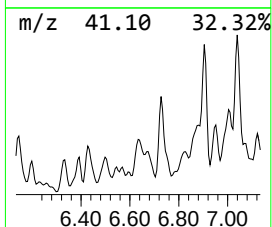
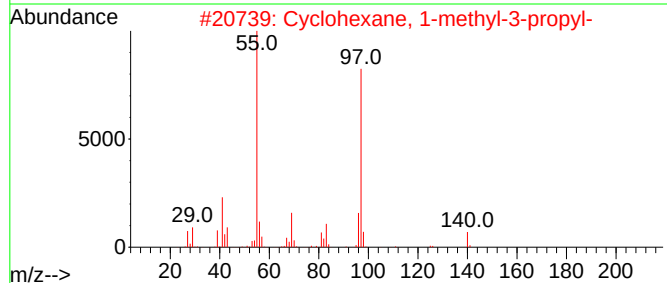
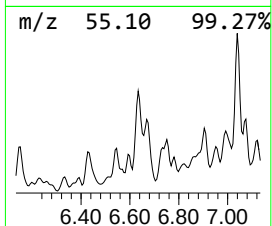
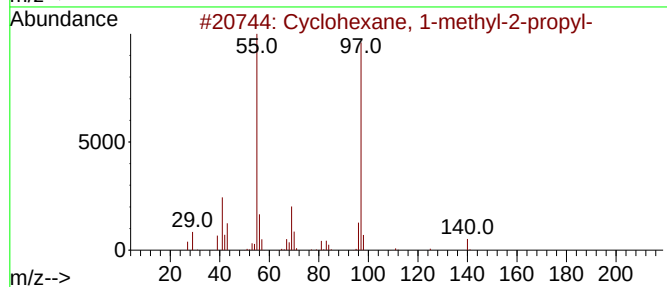
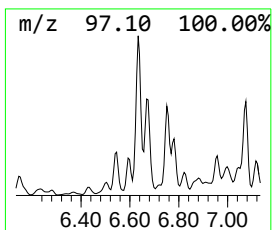
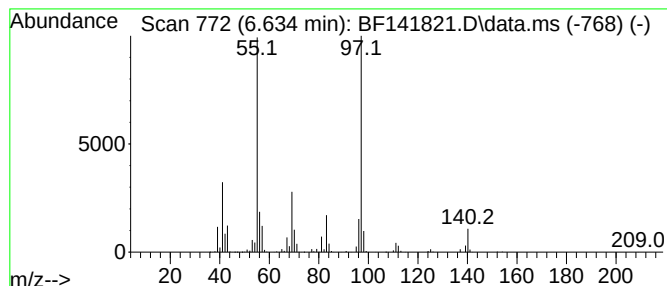
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 Cyclohexane, 1-methyl-2-pro... Concentration Rank 17

| R.T.  | EstConc | Area    | Relative to ISTD       | R.T.  |
|-------|---------|---------|------------------------|-------|
| 6.634 | 5.96 ng | 1783040 | 1,4-Dichlorobenzene-d4 | 6.892 |

| Hit# | of | 5 | Tentative ID                     | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------------|-----|---------|-------------|------|
| 1    |    |   | Cyclohexane, 1-methyl-2-propyl-  | 140 | C10H20  | 004291-79-6 | 90   |
| 2    |    |   | Cyclohexane, 1-methyl-3-propyl-  | 140 | C10H20  | 004291-80-9 | 80   |
| 3    |    |   | Cyclohexane, 1,1-dimethyl-       | 112 | C8H16   | 000590-66-9 | 74   |
| 4    |    |   | Cyclohexane, 1,3-dimethyl-, cis- | 112 | C8H16   | 000638-04-0 | 64   |
| 5    |    |   | Cyclohexane, 1-ethyl-1-methyl-   | 126 | C9H18   | 004926-90-3 | 64   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF030325\  
Data File : BF141821.D  
Acq On : 03 Mar 2025 19:14  
Operator : RC/JU  
Sample : Q1447-01  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
WC1

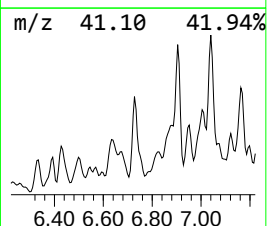
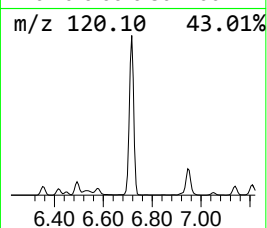
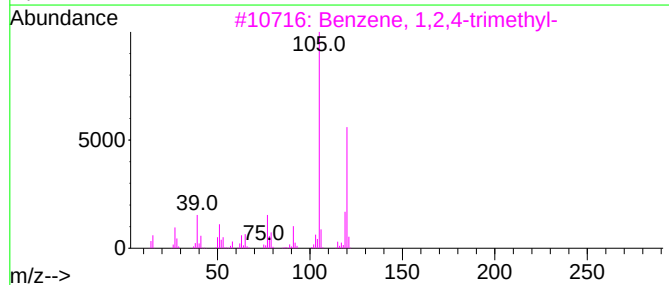
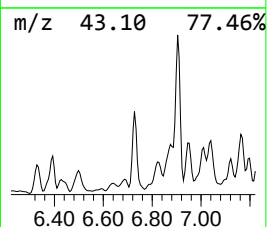
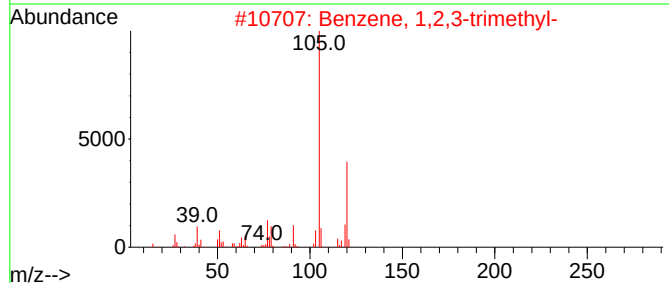
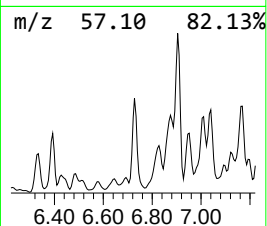
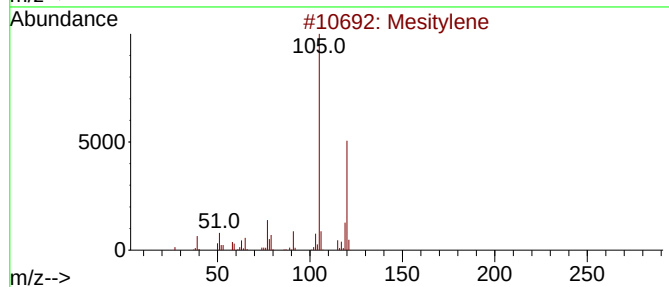
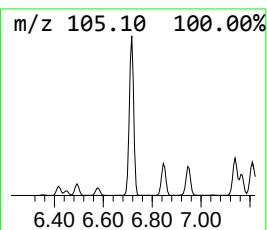
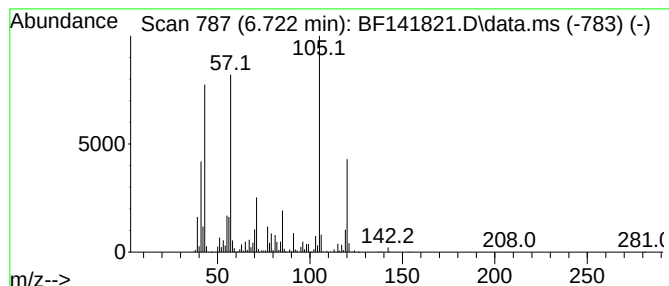
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 3 Mesitylene Concentration Rank 8

| R.T.  | EstConc  | Area    | Relative to ISTD       | R.T.  |
|-------|----------|---------|------------------------|-------|
| 6.722 | 11.99 ng | 3589380 | 1,4-Dichlorobenzene-d4 | 6.892 |

| Hit# | of | 5 | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------|-----|---------|-------------|------|
| 1    |    |   | Mesitylene                 | 120 | C9H12   | 000108-67-8 | 91   |
| 2    |    |   | Benzene, 1,2,3-trimethyl-  | 120 | C9H12   | 000526-73-8 | 90   |
| 3    |    |   | Benzene, 1,2,4-trimethyl-  | 120 | C9H12   | 000095-63-6 | 86   |
| 4    |    |   | Decane                     | 142 | C10H22  | 000124-18-5 | 80   |
| 5    |    |   | Benzene, 1-ethyl-3-methyl- | 120 | C9H12   | 000620-14-4 | 50   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF030325\  
Data File : BF141821.D  
Acq On : 03 Mar 2025 19:14  
Operator : RC/JU  
Sample : Q1447-01  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
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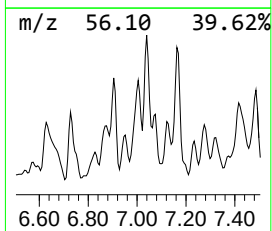
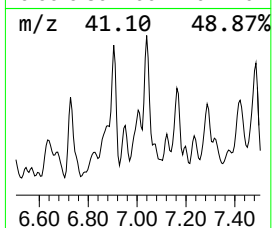
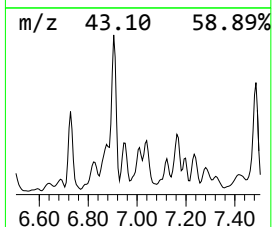
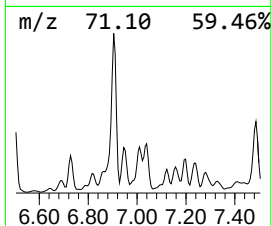
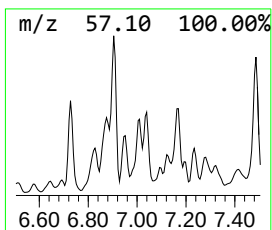
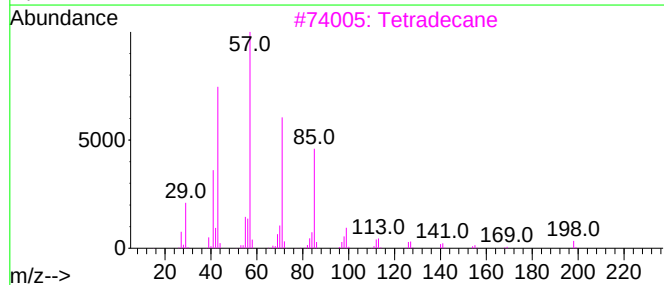
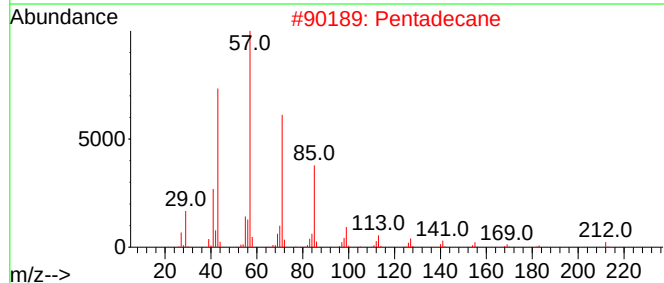
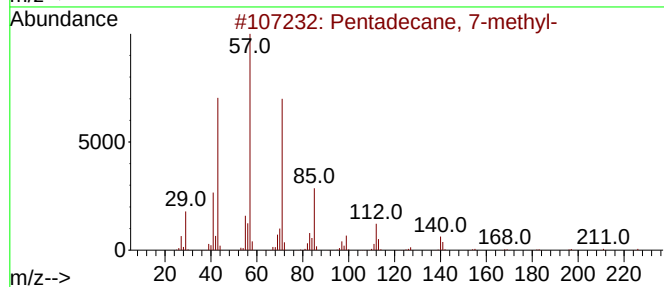
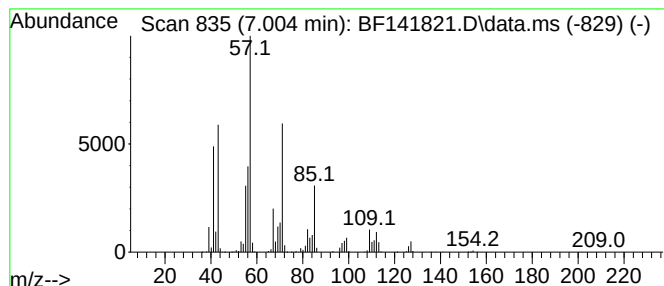
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TIC Integration Parameters: LSCINT.P

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Peak Number 4 unknown7.004 Concentration Rank 15

| R.T.  | EstConc | Area    | Relative to ISTD       | R.T.  |
|-------|---------|---------|------------------------|-------|
| 7.004 | 6.86 ng | 2054030 | 1,4-Dichlorobenzene-d4 | 6.892 |

| Hit# | of | 5 | Tentative ID           | MW  | MolForm | CAS#        | Qual |
|------|----|---|------------------------|-----|---------|-------------|------|
| 1    |    |   | Pentadecane, 7-methyl- | 226 | C16H34  | 006165-40-8 | 47   |
| 2    |    |   | Pentadecane            | 212 | C15H32  | 000629-62-9 | 46   |
| 3    |    |   | Tetradecane            | 198 | C14H30  | 000629-59-4 | 43   |
| 4    |    |   | Hexadecane             | 226 | C16H34  | 000544-76-3 | 43   |
| 5    |    |   | Heptacosane            | 380 | C27H56  | 000593-49-7 | 43   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF030325\  
Data File : BF141821.D  
Acq On : 03 Mar 2025 19:14  
Operator : RC/JU  
Sample : Q1447-01  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
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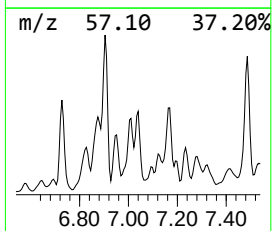
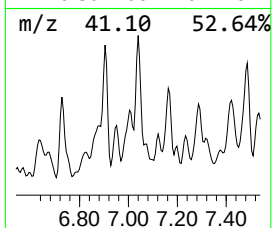
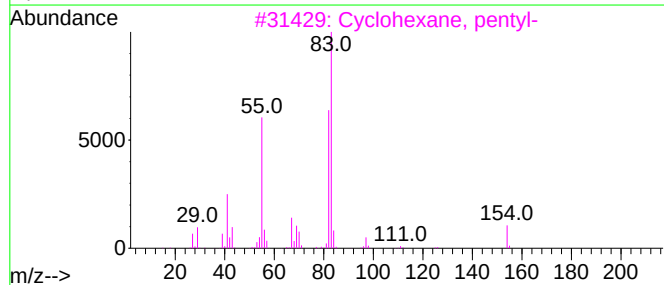
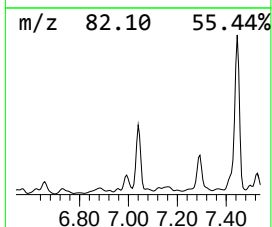
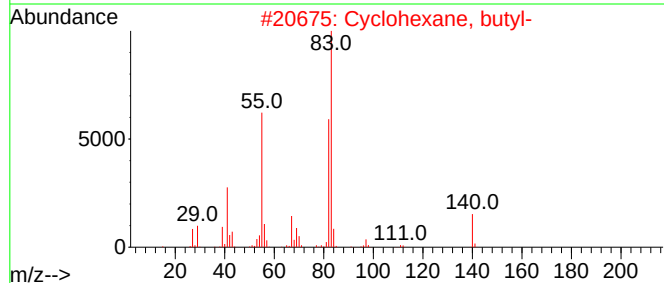
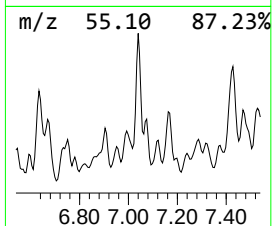
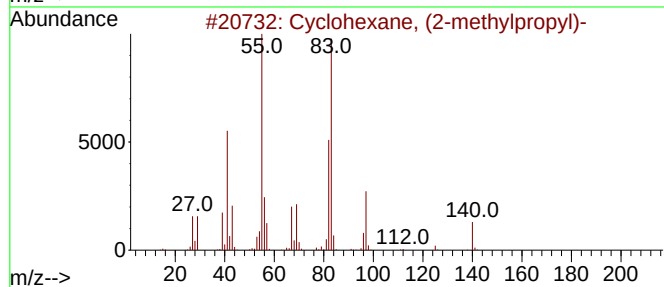
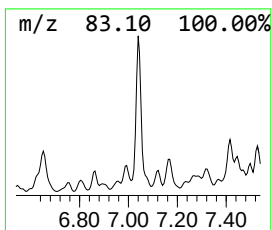
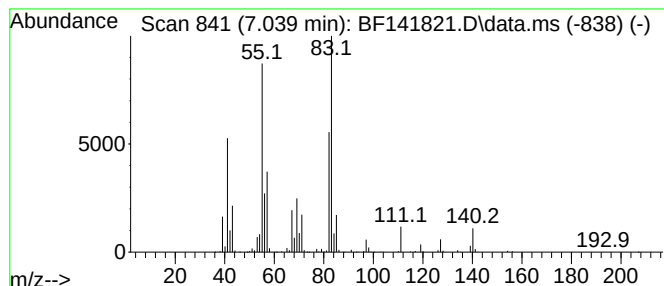
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TIC Integration Parameters: LSCINT.P

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Peak Number 5 Cyclohexane, (2-methylpropyl)- Concentration Rank 13

| R.T.  | EstConc | Area    | Relative to ISTD       | R.T.  |
|-------|---------|---------|------------------------|-------|
| 7.039 | 8.99 ng | 2689690 | 1,4-Dichlorobenzene-d4 | 6.892 |

| Hit# | of | 5 | Tentative ID                   | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------------------------|-----|---------|-------------|------|
| 1    |    |   | Cyclohexane, (2-methylpropyl)- | 140 | C10H20  | 001678-98-4 | 83   |
| 2    |    |   | Cyclohexane, butyl-            | 140 | C10H20  | 001678-93-9 | 74   |
| 3    |    |   | Cyclohexane, pentyl-           | 154 | C11H22  | 004292-92-6 | 64   |
| 4    |    |   | Cyclohexane, (1-methylpropyl)- | 140 | C10H20  | 007058-01-7 | 52   |
| 5    |    |   | Cyclohexane, (1-methylethyl)-  | 126 | C9H18   | 000696-29-7 | 46   |





Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF030325\  
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Operator : RC/JU  
Sample : Q1447-01  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
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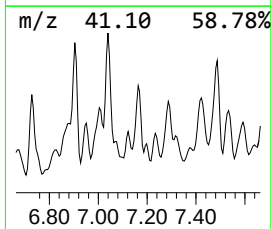
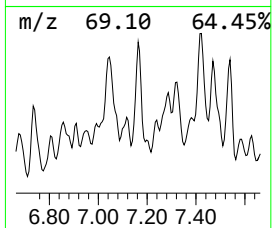
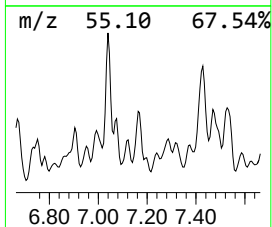
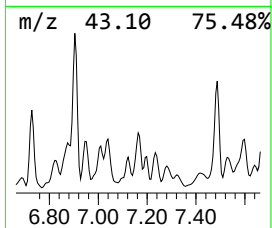
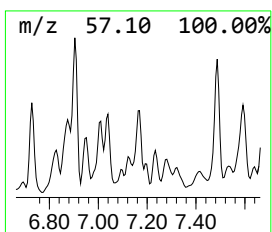
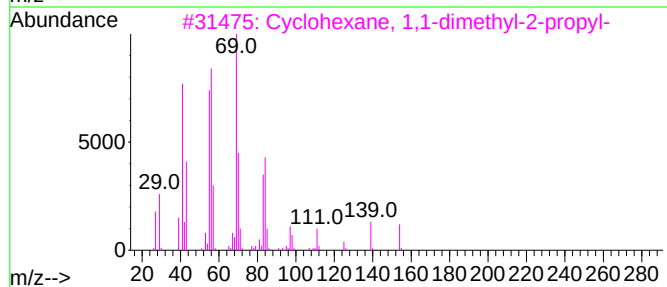
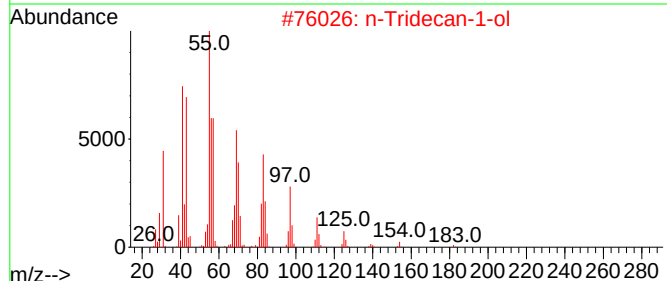
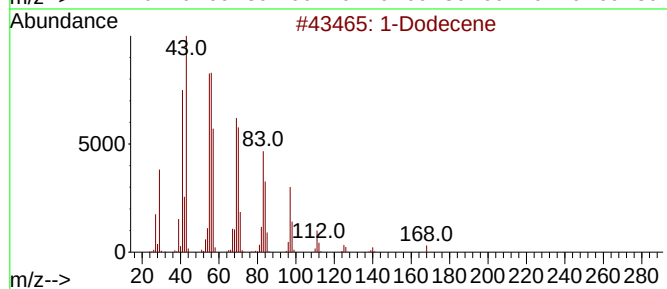
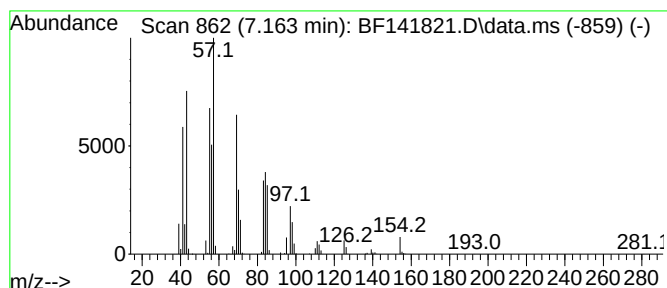
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TIC Integration Parameters: LSCINT.P

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Peak Number 6 1-Dodecene Concentration Rank 14

| R.T.  | EstConc | Area    | Relative to ISTD       | R.T.  |
|-------|---------|---------|------------------------|-------|
| 7.163 | 7.10 ng | 2124080 | 1,4-Dichlorobenzene-d4 | 6.892 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | 1-Dodecene                          | 168 | C12H24  | 000112-41-4 | 53   |
| 2    |    |   | n-Tridecan-1-ol                     | 200 | C13H28O | 000112-70-9 | 53   |
| 3    |    |   | Cyclohexane, 1,1-dimethyl-2-propyl- | 154 | C11H22  | 081983-71-3 | 52   |
| 4    |    |   | 1-Undecene                          | 154 | C11H22  | 000821-95-4 | 52   |
| 5    |    |   | 1-Hexadecanol                       | 242 | C16H34O | 036653-82-4 | 47   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF030325\  
Data File : BF141821.D  
Acq On : 03 Mar 2025 19:14  
Operator : RC/JU  
Sample : Q1447-01  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
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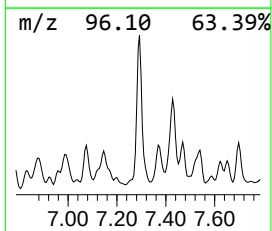
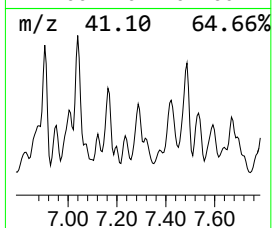
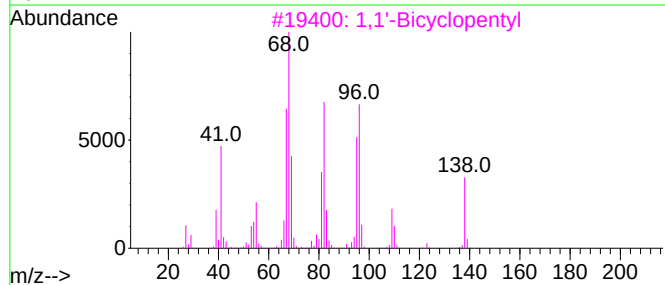
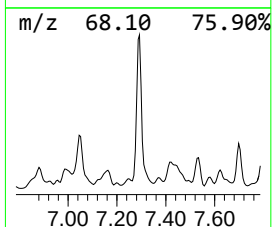
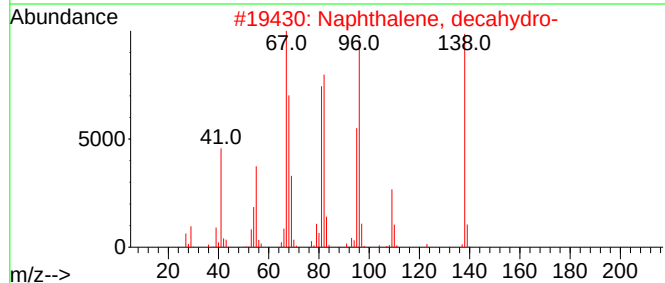
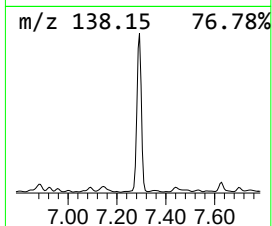
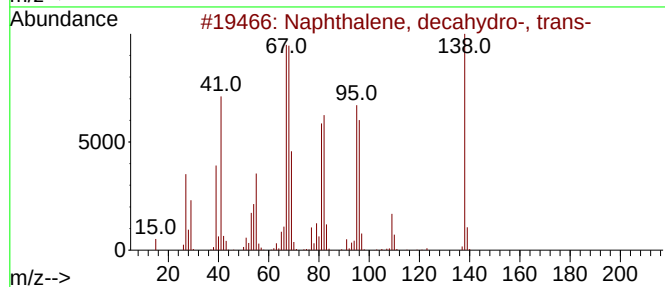
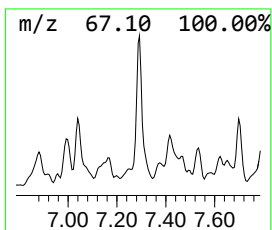
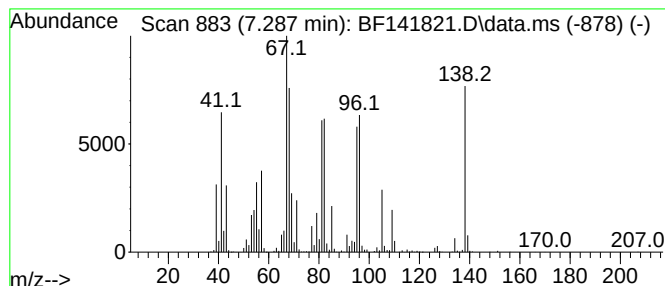
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TIC Integration Parameters: LSCINT.P

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Peak Number 7 Naphthalene, decahydro-, tr... Concentration Rank 12

| R.T.  | EstConc | Area    | Relative to ISTD       | R.T.  |
|-------|---------|---------|------------------------|-------|
| 7.287 | 8.99 ng | 2691960 | 1,4-Dichlorobenzene-d4 | 6.892 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Naphthalene, decahydro-, trans-     | 138 | C10H18  | 000493-02-7 | 93   |
| 2    |    |   | Naphthalene, decahydro-             | 138 | C10H18  | 000091-17-8 | 81   |
| 3    |    |   | 1,1'-Bicyclopentyl                  | 138 | C10H18  | 001636-39-1 | 70   |
| 4    |    |   | Cyclohexane, 1-methyl-3-(1-methy... | 138 | C10H18  | 024399-15-3 | 68   |
| 5    |    |   | Naphthalene, decahydro-, cis-       | 138 | C10H18  | 000493-01-6 | 64   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF030325\  
Data File : BF141821.D  
Acq On : 03 Mar 2025 19:14  
Operator : RC/JU  
Sample : Q1447-01  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
WC1

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF022725.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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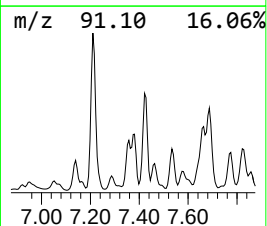
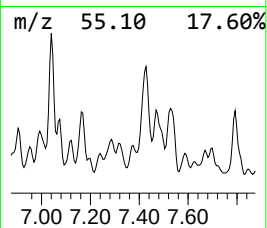
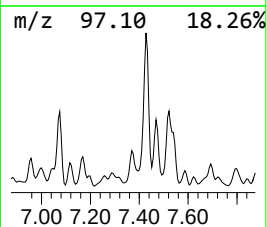
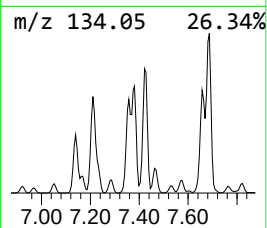
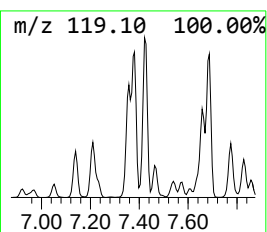
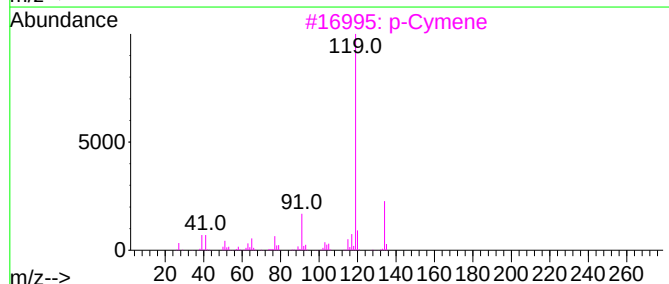
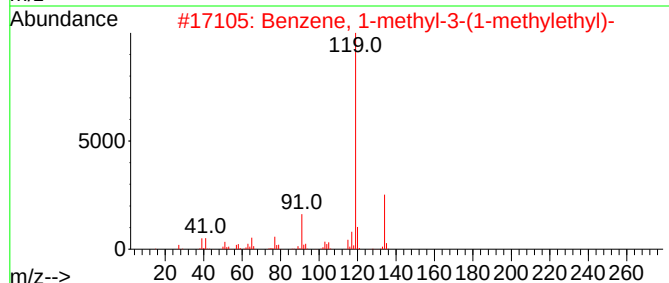
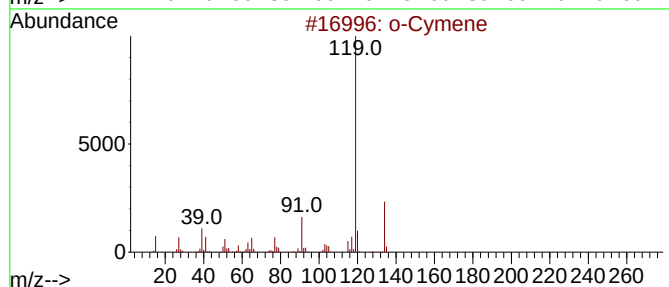
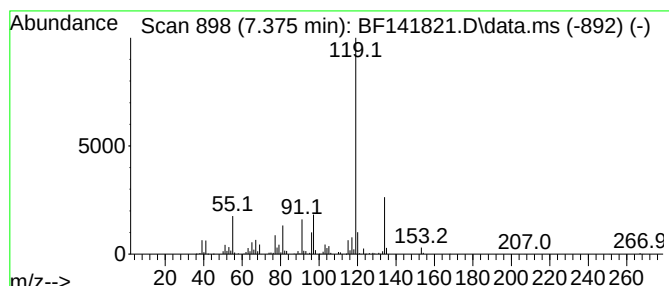
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Peak Number 8 o-Cymene Concentration Rank 20

| R.T.  | EstConc | Area    | Relative to ISTD       | R.T.  |
|-------|---------|---------|------------------------|-------|
| 7.375 | 4.75 ng | 1423050 | 1,4-Dichlorobenzene-d4 | 6.892 |

| Hit# | of 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|------|-------------------------------------|-----|---------|-------------|------|
| 1    |      | o-Cymene                            | 134 | C10H14  | 000527-84-4 | 95   |
| 2    |      | Benzene, 1-methyl-3-(1-methyleth... | 134 | C10H14  | 000535-77-3 | 95   |
| 3    |      | p-Cymene                            | 134 | C10H14  | 000099-87-6 | 95   |
| 4    |      | 1,3,5-Cycloheptatriene, 3,7,7-tr... | 134 | C10H14  | 003479-89-8 | 90   |
| 5    |      | Benzene, 1-ethyl-2,4-dimethyl-      | 134 | C10H14  | 000874-41-9 | 81   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF030325\  
Data File : BF141821.D  
Acq On : 03 Mar 2025 19:14  
Operator : RC/JU  
Sample : Q1447-01  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
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ClientSampleId :  
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

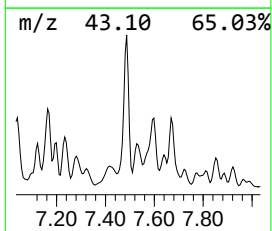
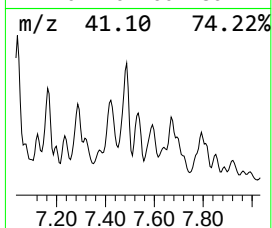
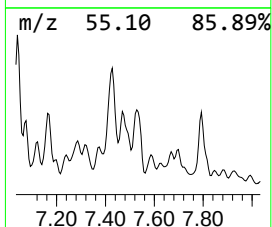
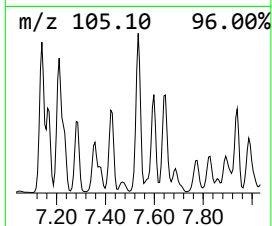
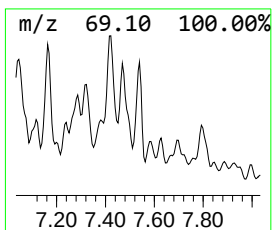
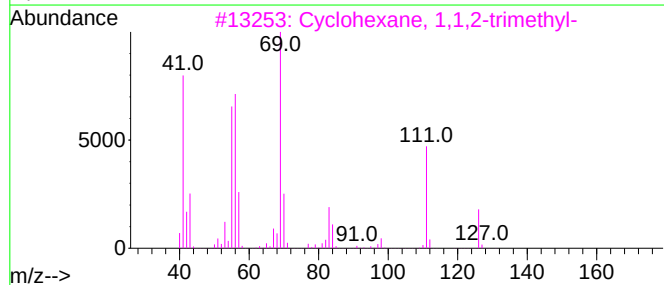
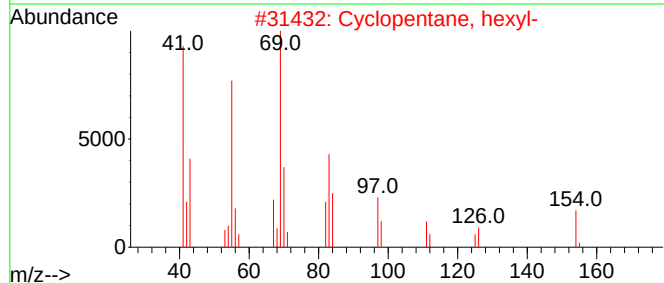
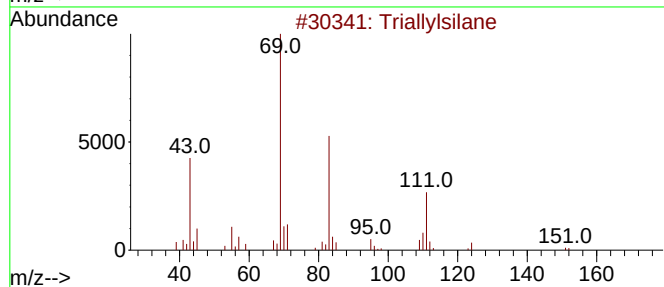
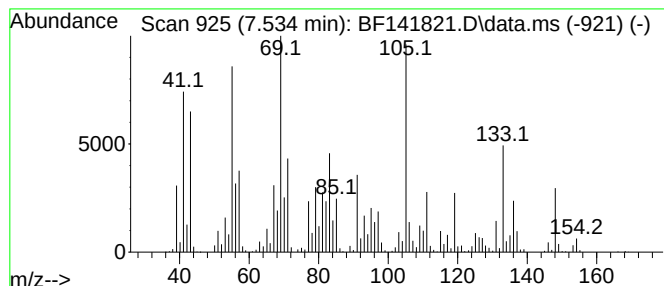
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TIC Integration Parameters: LSCINT.P

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Peak Number 9 unknown7.534 Concentration Rank 5

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 7.534 | 18.13 ng | 2473750 | Naphthalene-d8   | 8.169 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm     | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-------------|--------------|------|
| 1    |    |   | Triallylsilane                      | 152 | C9H16Si     | 001116-62-7  | 35   |
| 2    |    |   | Cyclopentane, hexyl-                | 154 | C11H22      | 004457-00-5  | 30   |
| 3    |    |   | Cyclohexane, 1,1,2-trimethyl-       | 126 | C9H18       | 007094-26-0  | 30   |
| 4    |    |   | (1,2,4-Trimethylcyclohexyl)metha... | 198 | C12H22O2    | 1010499-04-6 | 27   |
| 5    |    |   | Trichloroacetic acid, hexadecyl ... | 386 | C18H33Cl3O2 | 074339-54-1  | 27   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF030325\  
Data File : BF141821.D  
Acq On : 03 Mar 2025 19:14  
Operator : RC/JU  
Sample : Q1447-01  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
WC1

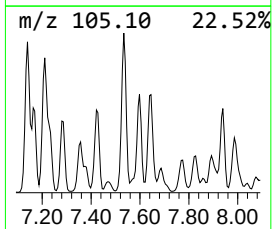
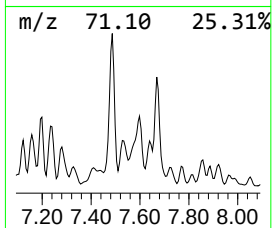
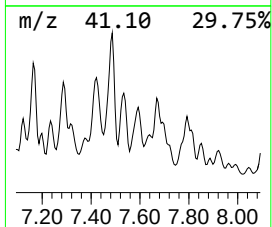
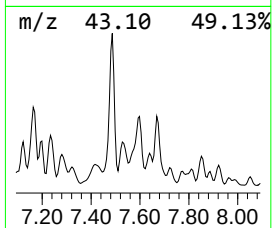
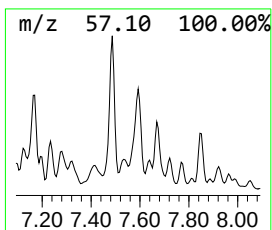
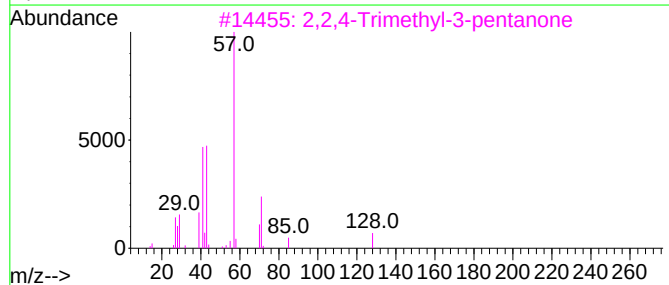
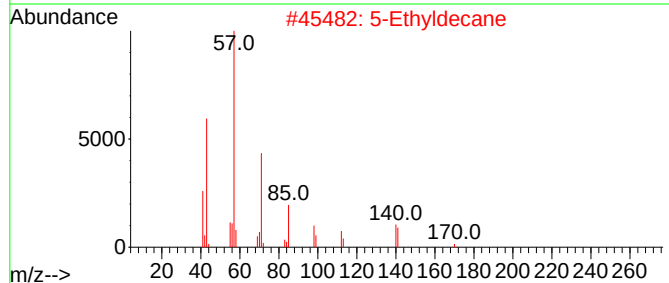
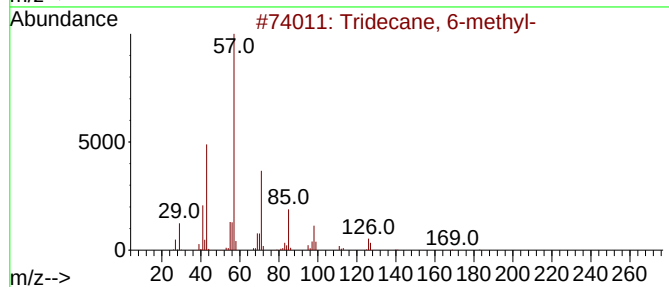
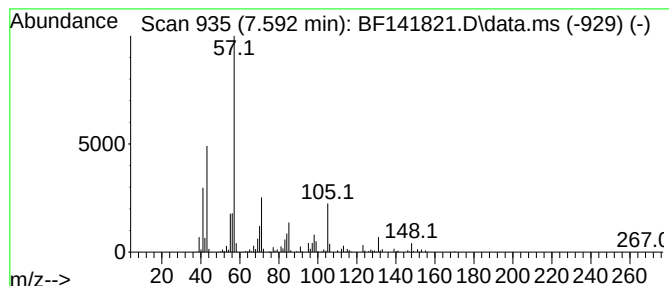
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 10 Tridecane, 6-methyl- Concentration Rank 7

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 7.592 | 13.66 ng | 1863490 | Naphthalene-d8   | 8.169 |

| Hit# | of 5 | Tentative ID                      | MW  | MolForm  | CAS#         | Qual |
|------|------|-----------------------------------|-----|----------|--------------|------|
| 1    |      | Tridecane, 6-methyl-              | 198 | C14H30   | 013287-21-3  | 50   |
| 2    |      | 5-Ethyldecane                     | 170 | C12H26   | 017302-36-2  | 43   |
| 3    |      | 2,2,4-Trimethyl-3-pentanone       | 128 | C8H16O   | 005857-36-3  | 38   |
| 4    |      | Octane, 4-ethyl-                  | 142 | C10H22   | 015869-86-0  | 35   |
| 5    |      | Oxalic acid, isobutyl nonyl ester | 272 | C15H28O4 | 1010309-37-4 | 35   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF030325\  
Data File : BF141821.D  
Acq On : 03 Mar 2025 19:14  
Operator : RC/JU  
Sample : Q1447-01  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
WC1

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF022725.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

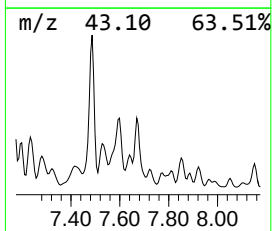
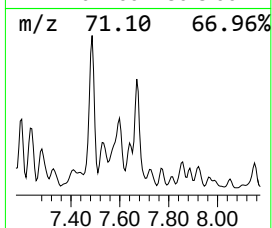
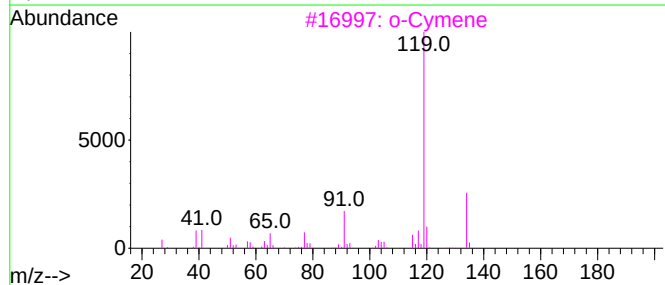
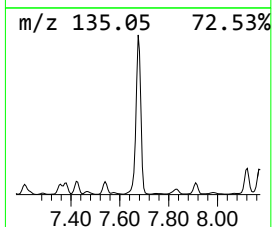
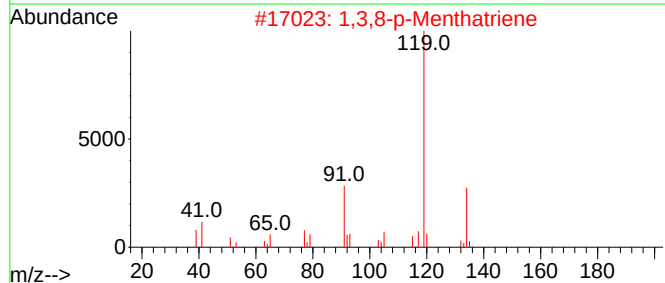
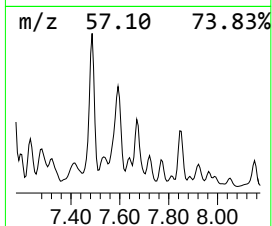
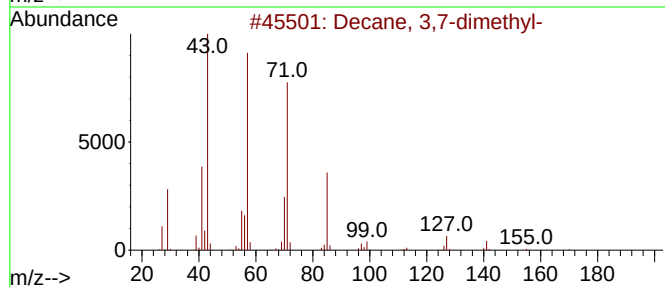
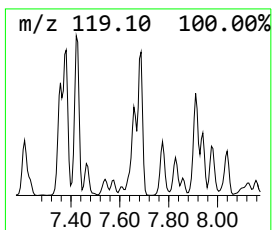
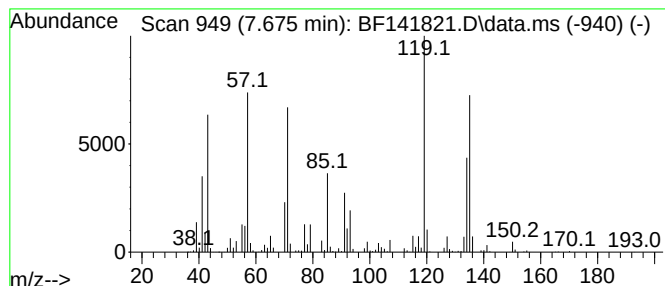
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TIC Integration Parameters: LSCINT.P

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Peak Number 11 Decane, 3,7-dimethyl- Concentration Rank 1

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 7.675 | 46.36 ng | 6325800 | Naphthalene-d8   | 8.169 |

| Hit# | of 5 | Tentative ID                   | MW  | MolForm | CAS#        | Qual |
|------|------|--------------------------------|-----|---------|-------------|------|
| 1    |      | Decane, 3,7-dimethyl-          | 170 | C12H26  | 017312-54-8 | 60   |
| 2    |      | 1,3,8-p-Menthatriene           | 134 | C10H14  | 018368-95-1 | 50   |
| 3    |      | o-Cymene                       | 134 | C10H14  | 000527-84-4 | 46   |
| 4    |      | Benzene, 1,2,3,5-tetramethyl-  | 134 | C10H14  | 000527-53-7 | 46   |
| 5    |      | Benzene, 1-ethyl-3,5-dimethyl- | 134 | C10H14  | 000934-74-7 | 46   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF030325\  
Data File : BF141821.D  
Acq On : 03 Mar 2025 19:14  
Operator : RC/JU  
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Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
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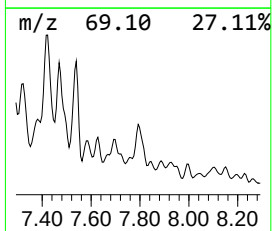
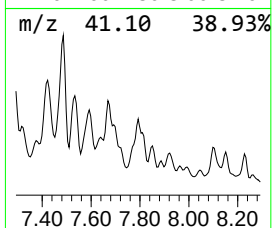
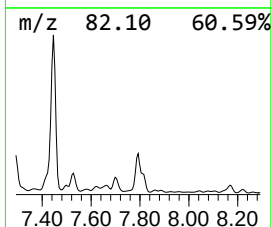
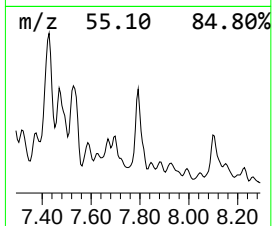
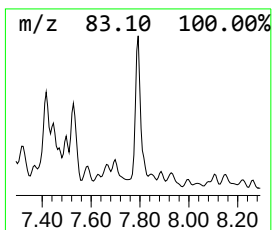
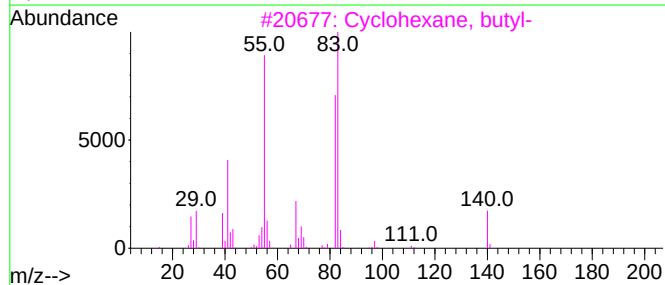
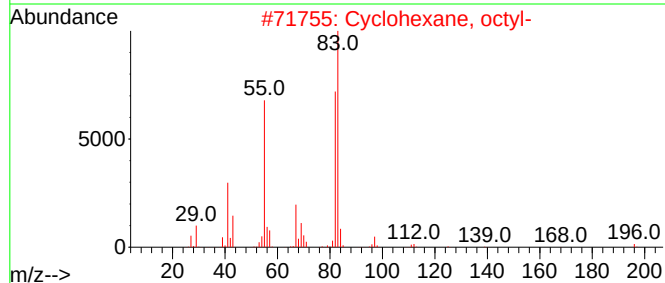
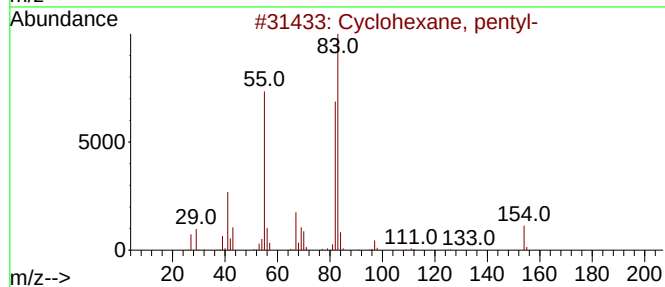
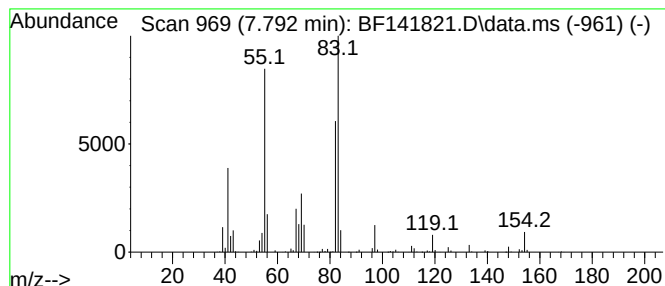
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 12 Cyclohexane, pentyl- Concentration Rank 6

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 7.792 | 15.90 ng | 2169490 | Naphthalene-d8   | 8.169 |

| Hit# | of | 5 | Tentative ID         | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------|-----|---------|-------------|------|
| 1    |    |   | Cyclohexane, pentyl- | 154 | C11H22  | 004292-92-6 | 87   |
| 2    |    |   | Cyclohexane, octyl-  | 196 | C14H28  | 001795-15-9 | 72   |
| 3    |    |   | Cyclohexane, butyl-  | 140 | C10H20  | 001678-93-9 | 72   |
| 4    |    |   | Cyclohexane, propyl- | 126 | C9H18   | 001678-92-8 | 72   |
| 5    |    |   | Cyclohexane, hexyl-  | 168 | C12H24  | 004292-75-5 | 64   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF030325\  
Data File : BF141821.D  
Acq On : 03 Mar 2025 19:14  
Operator : RC/JU  
Sample : Q1447-01  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
WC1

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF022725.M  
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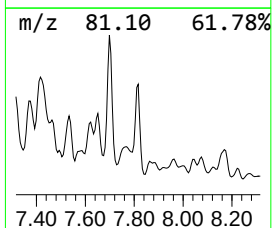
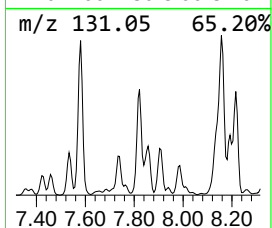
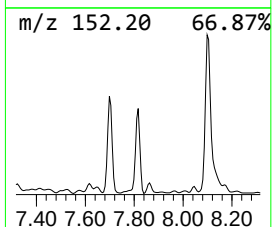
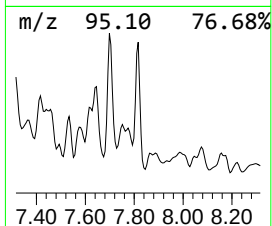
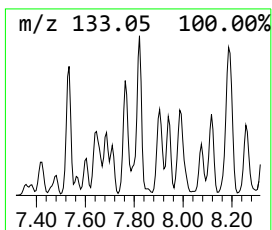
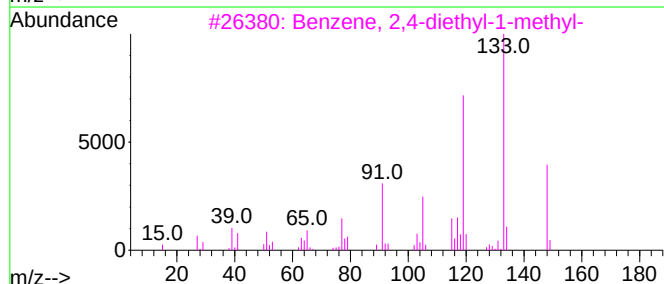
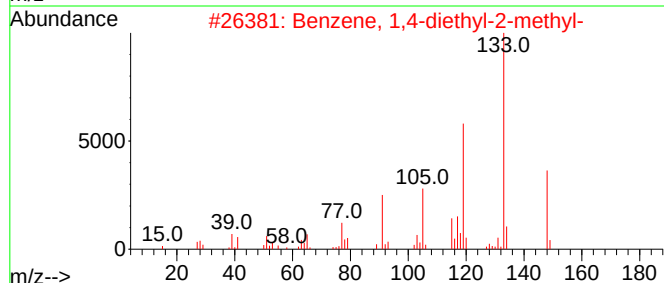
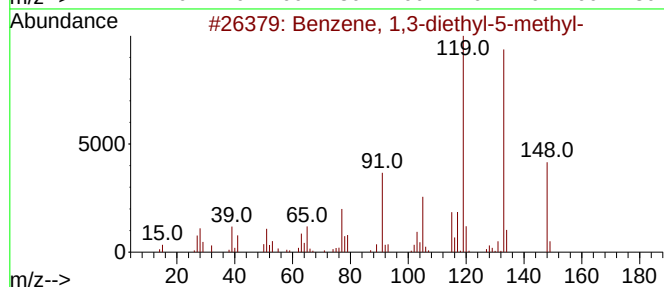
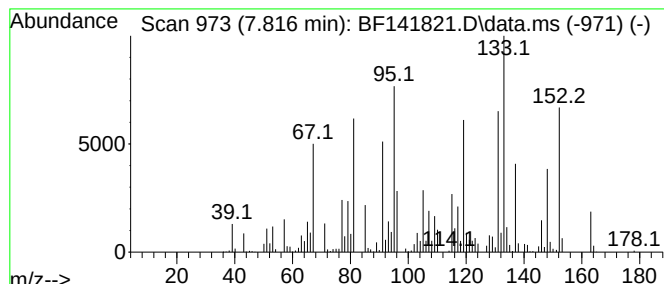
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Peak Number 13 unknown7.816 Concentration Rank 18

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 7.816 | 5.16 ng | 704656 | Naphthalene-d8   | 8.169 |

| Hit# | of 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|------|-------------------------------------|-----|---------|-------------|------|
| 1    |      | Benzene, 1,3-diethyl-5-methyl-      | 148 | C11H16  | 002050-24-0 | 47   |
| 2    |      | Benzene, 1,4-diethyl-2-methyl-      | 148 | C11H16  | 013632-94-5 | 46   |
| 3    |      | Benzene, 2,4-diethyl-1-methyl-      | 148 | C11H16  | 001758-85-6 | 42   |
| 4    |      | Phenol, 2-(2-methyl-2-propenyl)-    | 148 | C10H12O | 020944-88-1 | 38   |
| 5    |      | Benzene, 1-ethyl-4-(1-methylethyl)- | 148 | C11H16  | 004218-48-8 | 35   |





Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF030325\  
Data File : BF141821.D  
Acq On : 03 Mar 2025 19:14  
Operator : RC/JU  
Sample : Q1447-01  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
WC1

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF022725.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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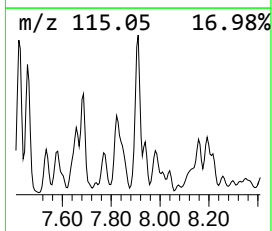
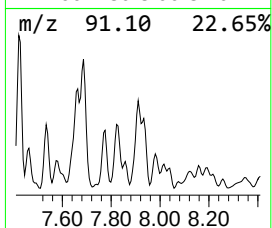
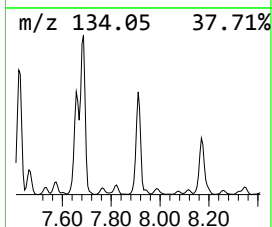
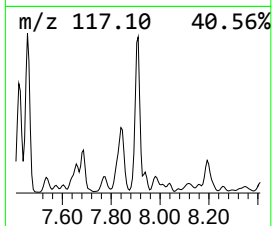
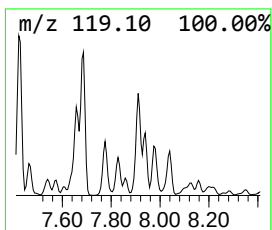
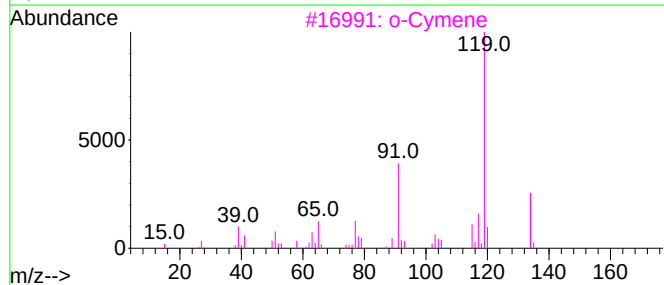
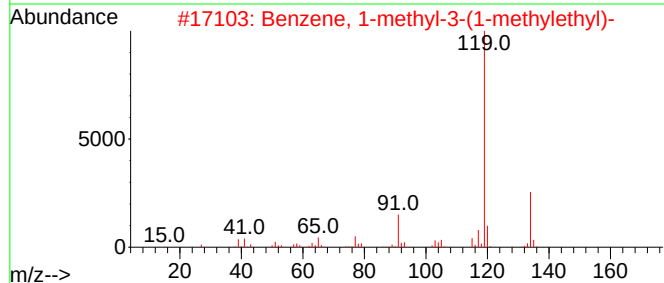
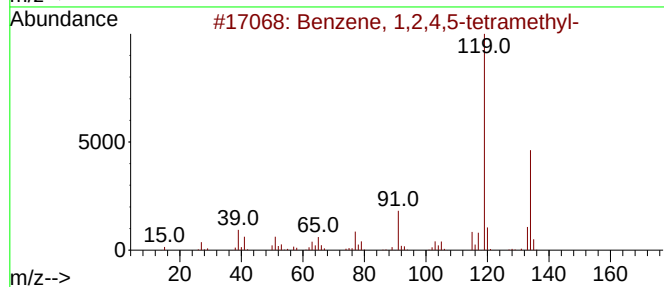
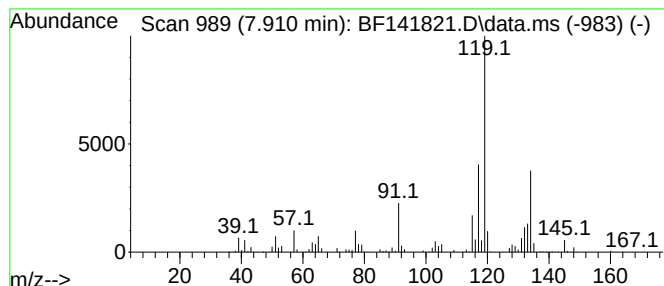
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Peak Number 14 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 11

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 7.910 | 10.57 ng | 1442920 | Naphthalene-d8   | 8.169 |

| Hit# | of 5 | Tentative ID                         | MW  | MolForm | CAS#        | Qual |
|------|------|--------------------------------------|-----|---------|-------------|------|
| 1    |      | Benzene, 1,2,4,5-tetramethyl-        | 134 | C10H14  | 000095-93-2 | 64   |
| 2    |      | Benzene, 1-methyl-3-(1-methylethyl)- | 134 | C10H14  | 000535-77-3 | 64   |
| 3    |      | o-Cymene                             | 134 | C10H14  | 000527-84-4 | 64   |
| 4    |      | Benzene, 1-ethyl-2,3-dimethyl-       | 134 | C10H14  | 000933-98-2 | 60   |
| 5    |      | p-Cymene                             | 134 | C10H14  | 000099-87-6 | 60   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF030325\  
Data File : BF141821.D  
Acq On : 03 Mar 2025 19:14  
Operator : RC/JU  
Sample : Q1447-01  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
WC1

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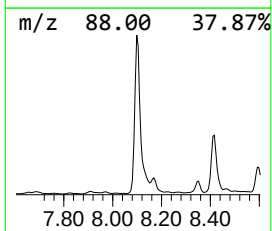
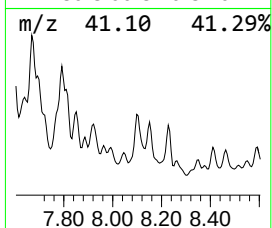
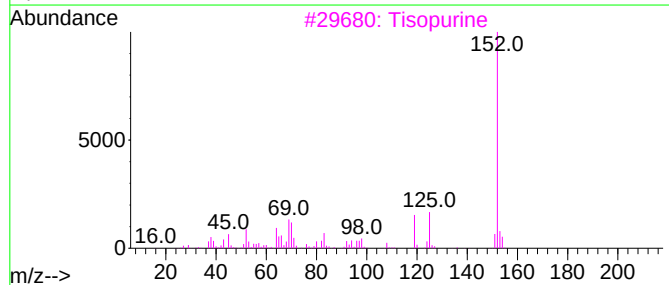
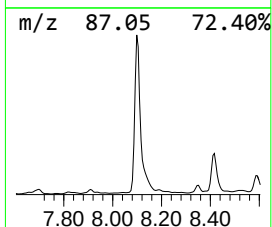
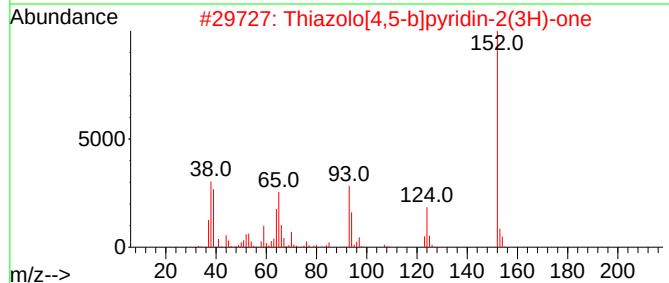
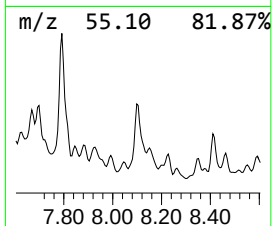
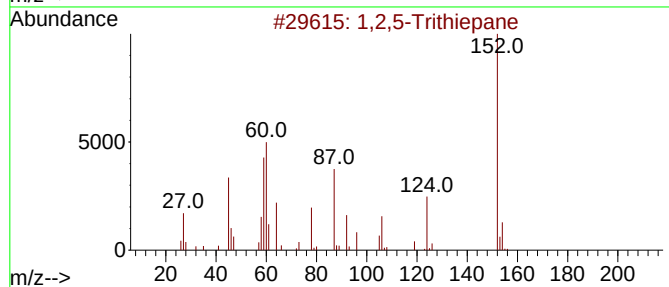
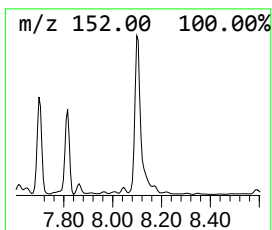
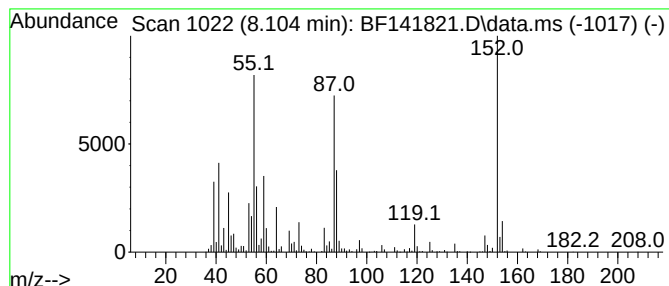
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TIC Integration Parameters: LSCINT.P

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Peak Number 15 unknown8.104 Concentration Rank 9

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 8.104 | 11.65 ng | 1589740 | Naphthalene-d8   | 8.169 |

| Hit# | of 5                             | Tentative ID | MW  | MolForm  | CAS#         | Qual |
|------|----------------------------------|--------------|-----|----------|--------------|------|
| 1    | 1,2,5-Trithiepane                |              | 152 | C4H8S3   | 006576-93-8  | 47   |
| 2    | Thiazolo[4,5-b]pyridin-2(3H)-one |              | 152 | C6H4N2OS | 1000337-65-8 | 35   |
| 3    | Tisopurine                       |              | 152 | C5H4N4S  | 005334-23-6  | 27   |
| 4    | Thiophene, 2,5-dichloro-         |              | 152 | C4H2Cl2S | 003172-52-9  | 16   |
| 5    | 6-Mercaptopurine                 |              | 152 | C5H4N4S  | 000050-44-2  | 16   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF030325\  
Data File : BF141821.D  
Acq On : 03 Mar 2025 19:14  
Operator : RC/JU  
Sample : Q1447-01  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
WC1

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF022725.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

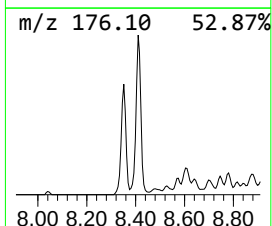
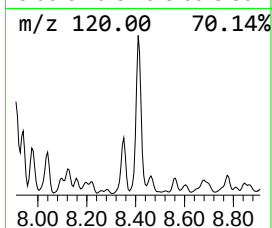
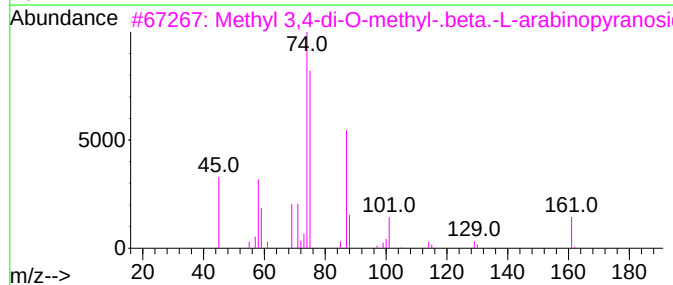
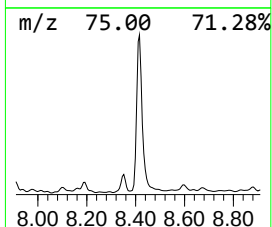
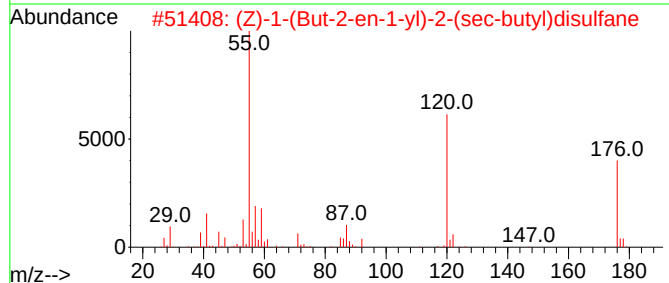
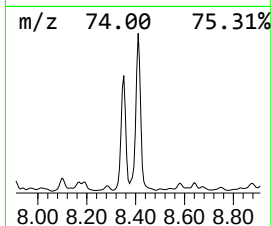
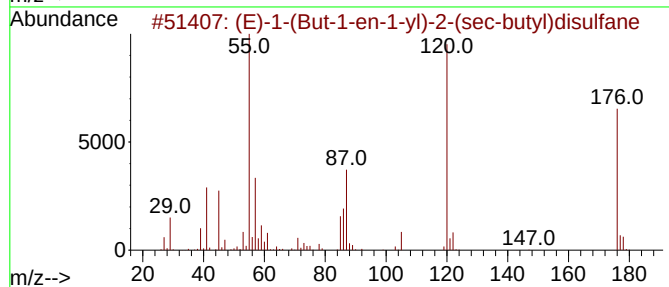
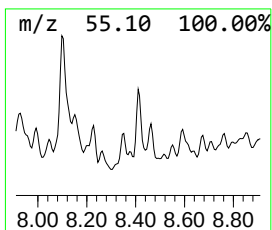
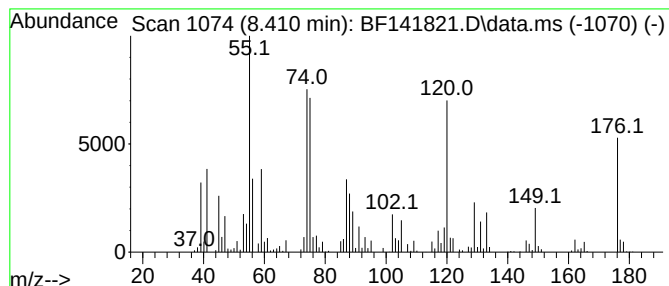
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 16 unknown8.410 Concentration Rank 19

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 8.410 | 4.96 ng | 676200 | Naphthalene-d8   | 8.169 |

| Hit# | of                                  | 5   | Tentative ID | MW          | MolForm | CAS# | Qual |
|------|-------------------------------------|-----|--------------|-------------|---------|------|------|
| 1    | (E)-1-(But-1-en-1-yl)-2-(sec-but... | 176 | C8H16S2      | 110690-22-7 | 44      |      |      |
| 2    | (Z)-1-(But-2-en-1-yl)-2-(sec-but... | 176 | C8H16S2      | 110690-23-8 | 35      |      |      |
| 3    | Methyl 3,4-di-O-methyl-.beta.-L...  | 192 | C8H16O5      | 002296-48-2 | 32      |      |      |
| 4    | (Z)-1-(But-1-en-1-yl)-2-(sec-but... | 176 | C8H16S2      | 110690-21-6 | 30      |      |      |
| 5    | Propanoic acid, 2-mercapto-2-met... | 120 | C4H8O2S      | 004695-31-2 | 27      |      |      |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF030325\  
Data File : BF141821.D  
Acq On : 03 Mar 2025 19:14  
Operator : RC/JU  
Sample : Q1447-01  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
WC1

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF022725.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

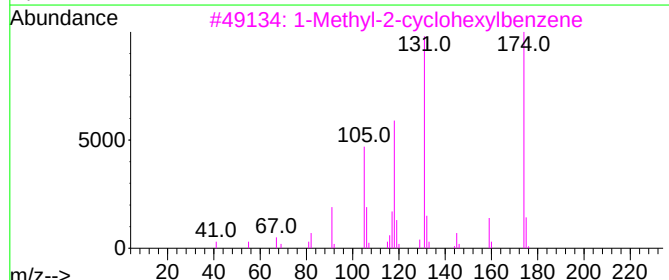
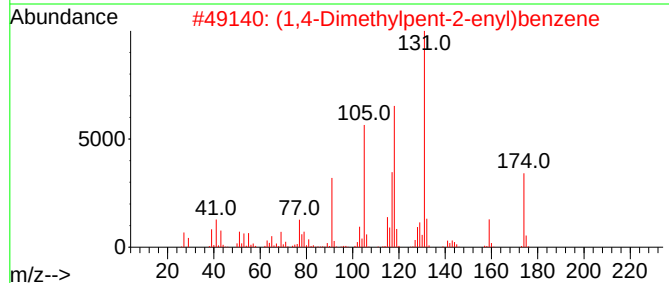
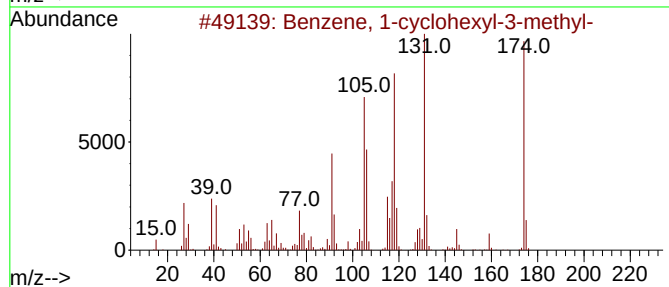
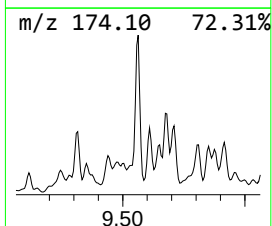
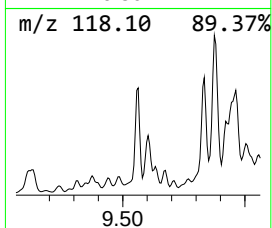
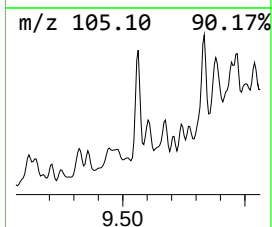
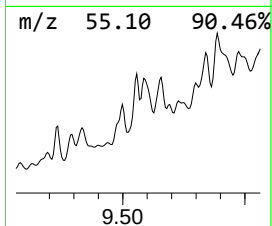
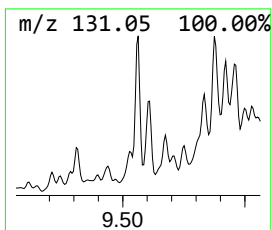
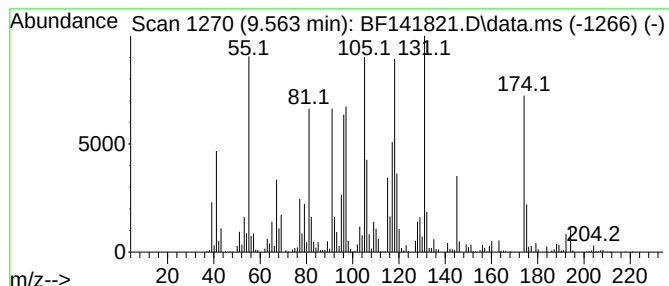
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 17 Benzene, 1-cyclohexyl-3-met... Concentration Rank 4

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 9.563 | 18.93 ng | 1921540 | Acenaphthene-d10 | 9.928 |

| Hit# | of 5 | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|------|-------------------------------------|-----|----------|--------------|------|
| 1    |      | Benzene, 1-cyclohexyl-3-methyl-     | 174 | C13H18   | 004575-46-6  | 64   |
| 2    |      | (1,4-Dimethylpent-2-enyl)benzene    | 174 | C13H18   | 1000184-97-9 | 60   |
| 3    |      | 1-Methyl-2-cyclohexylbenzene        | 174 | C13H18   | 004501-35-3  | 58   |
| 4    |      | 3-Phenylthiane,S-oxide              | 194 | C11H14OS | 058121-26-9  | 30   |
| 5    |      | Benzene, 1,1'-(1-ethenyl-1,3-pro... | 222 | C17H18   | 061141-97-7  | 15   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF030325\  
Data File : BF141821.D  
Acq On : 03 Mar 2025 19:14  
Operator : RC/JU  
Sample : Q1447-01  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
WC1

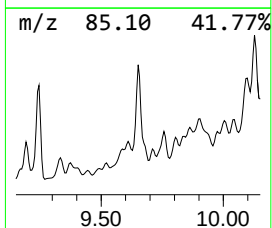
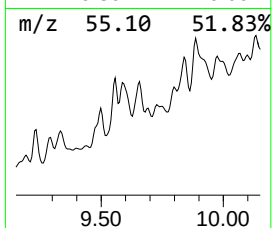
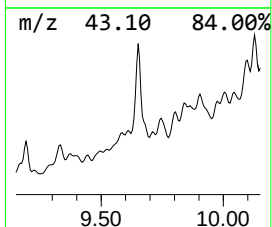
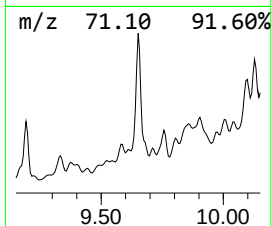
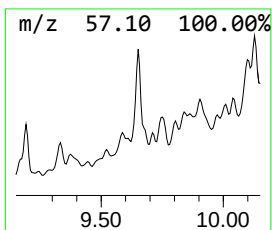
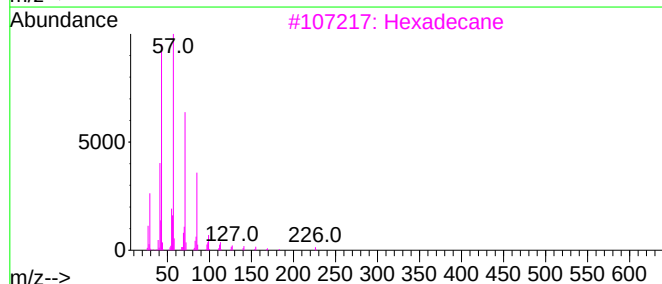
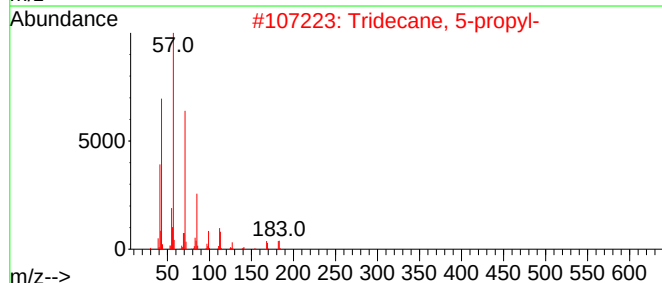
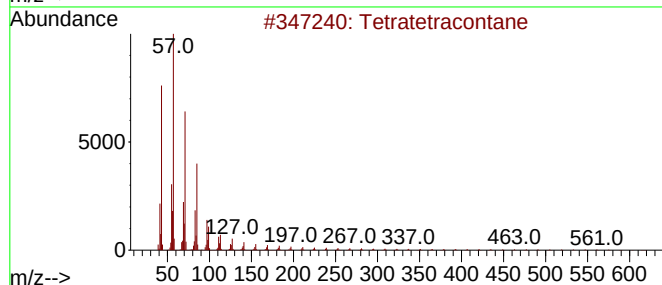
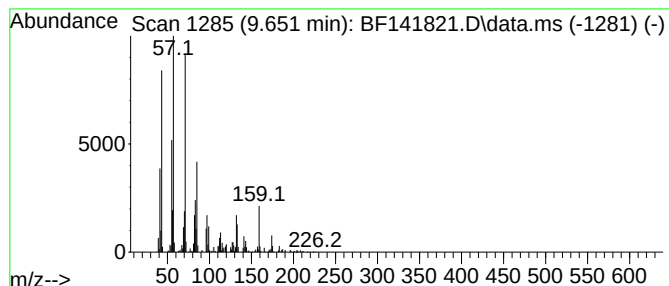
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 18 Tetratetracontane Concentration Rank 2

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 9.651 | 22.67 ng | 2301470 | Acenaphthene-d10 | 9.928 |

| Hit# | of 5 | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|------|-----------------------------|-----|---------|-------------|------|
| 1    |      | Tetratetracontane           | 619 | C44H90  | 007098-22-8 | 64   |
| 2    |      | Tridecane, 5-propyl-        | 226 | C16H34  | 055045-11-9 | 62   |
| 3    |      | Hexadecane                  | 226 | C16H34  | 000544-76-3 | 62   |
| 4    |      | Tetradecane                 | 198 | C14H30  | 000629-59-4 | 58   |
| 5    |      | Dodecane, 2,6,10-trimethyl- | 212 | C15H32  | 003891-98-3 | 58   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF030325\  
Data File : BF141821.D  
Acq On : 03 Mar 2025 19:14  
Operator : RC/JU  
Sample : Q1447-01  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
WC1

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF022725.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

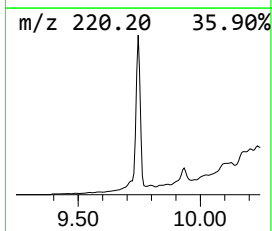
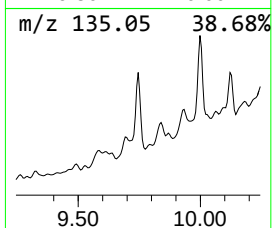
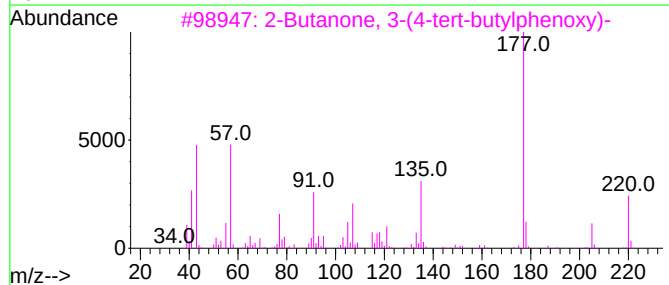
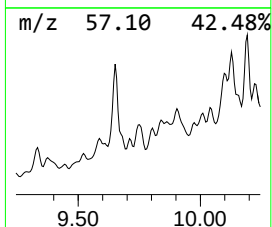
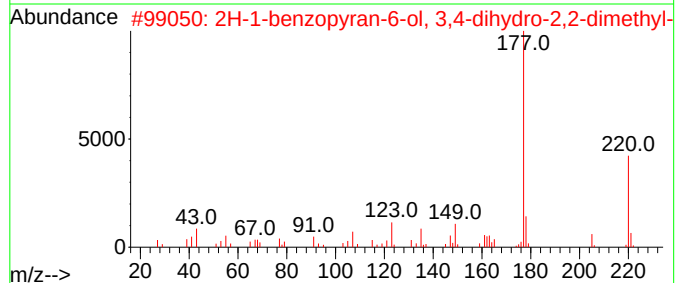
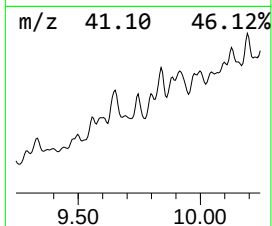
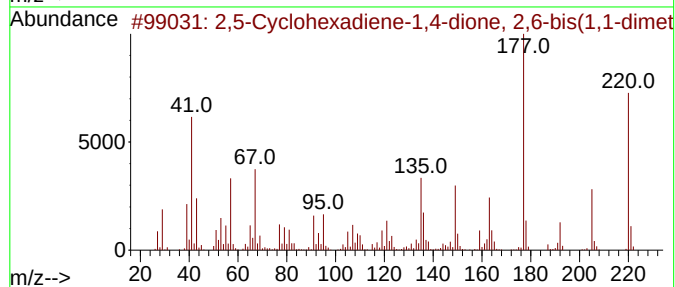
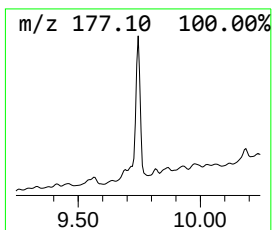
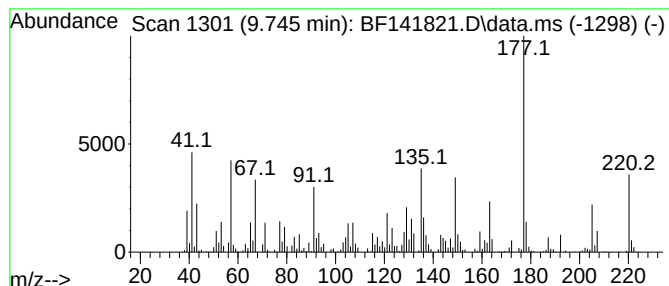
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Peak Number 19 2,5-Cyclohexadiene-1,4-dion... Concentration Rank 10

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 9.745 | 10.89 ng | 1105710 | Acenaphthene-d10 | 9.928 |

| Hit# | of 5                                | Tentative ID | MW       | MolForm      | CAS# | Qual |
|------|-------------------------------------|--------------|----------|--------------|------|------|
| 1    | 2,5-Cyclohexadiene-1,4-dione, 2,... | 220          | C14H2002 | 000719-22-2  | 93   |      |
| 2    | 2H-1-benzopyran-6-ol, 3,4-dihydr... | 220          | C14H2002 | 1000396-25-4 | 55   |      |
| 3    | 2-Butanone, 3-(4-tert-butylpheno... | 220          | C14H2002 | 160875-28-5  | 55   |      |
| 4    | Thiocoumarine, 4,4,6,7-tetramethyl- | 220          | C13H160S | 1000128-90-2 | 53   |      |
| 5    | 2-Acetyl-3,4,5,6-tetrafluorobenz... | 220          | C9H4F402 | 1000461-12-2 | 43   |      |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF030325\  
Data File : BF141821.D  
Acq On : 03 Mar 2025 19:14  
Operator : RC/JU  
Sample : Q1447-01  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
WC1

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF022725.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

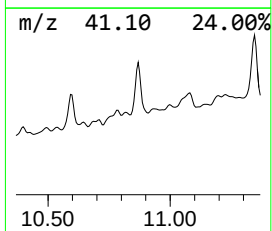
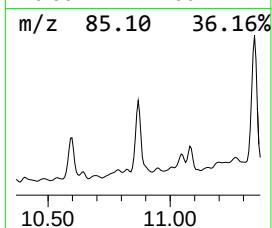
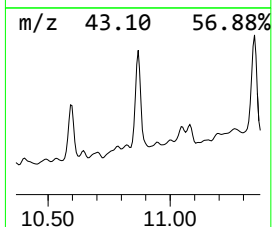
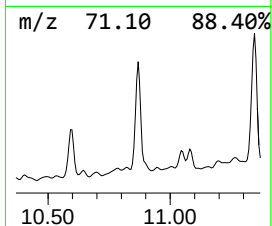
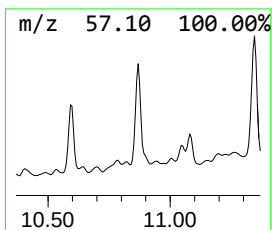
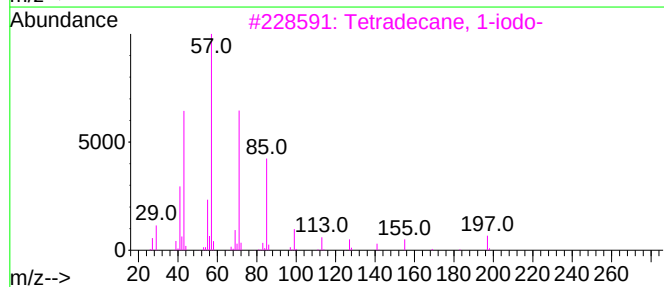
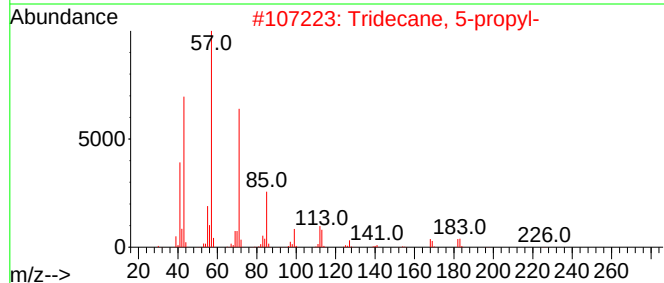
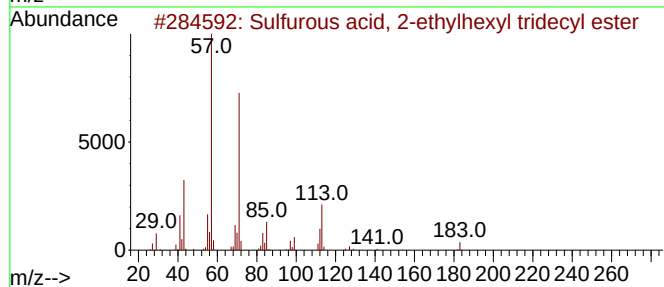
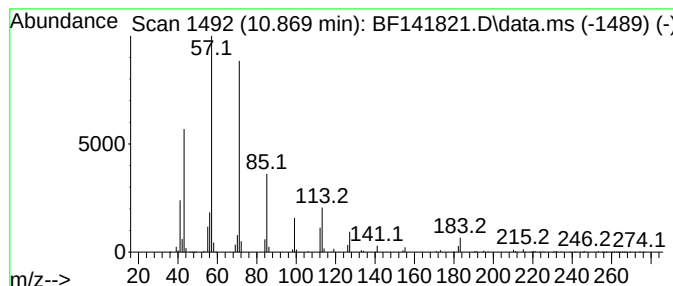
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 20 Sulfurous acid, 2-ethylhexy... Concentration Rank 3

| R.T.   | EstConc  | Area    | Relative to ISTD | R.T.   |
|--------|----------|---------|------------------|--------|
| 10.869 | 20.00 ng | 6030580 | Phenanthrene-d10 | 11.433 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-----------|--------------|------|
| 1    |    |   | Sulfurous acid, 2-ethylhexyl tri... | 376 | C21H44O3S | 1000309-19-6 | 72   |
| 2    |    |   | Tridecane, 5-propyl-                | 226 | C16H34    | 055045-11-9  | 68   |
| 3    |    |   | Tetradecane, 1-iodo-                | 324 | C14H29I   | 019218-94-1  | 53   |
| 4    |    |   | Dodecane, 2,7,10-trimethyl-         | 212 | C15H32    | 074645-98-0  | 53   |
| 5    |    |   | Pentadecane, 2,6,10,14-tetramethyl- | 268 | C19H40    | 001921-70-6  | 52   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF030325\  
Data File : BF141821.D  
Acq On : 03 Mar 2025 19:14  
Operator : RC/JU  
Sample : Q1447-01  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
WC1

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF022725.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

| TIC Top Hit name   | RT     | EstConc | Units | Response | --Internal Standard-- |        |         |      |
|--------------------|--------|---------|-------|----------|-----------------------|--------|---------|------|
|                    |        |         |       |          | #                     | RT     | Resp    | Conc |
| unknown6.145       | 6.145  | 6.0     | ng    | 1807050  | 1                     | 6.892  | 5986350 | 20.0 |
| Cyclohexane, 1-... | 6.634  | 6.0     | ng    | 1783040  | 1                     | 6.892  | 5986350 | 20.0 |
| Mesitylene         | 6.722  | 12.0    | ng    | 3589380  | 1                     | 6.892  | 5986350 | 20.0 |
| unknown7.004       | 7.004  | 6.9     | ng    | 2054030  | 1                     | 6.892  | 5986350 | 20.0 |
| Cyclohexane, (2... | 7.039  | 9.0     | ng    | 2689690  | 1                     | 6.892  | 5986350 | 20.0 |
| 1-Dodecene         | 7.163  | 7.1     | ng    | 2124080  | 1                     | 6.892  | 5986350 | 20.0 |
| Naphthalene, de... | 7.287  | 9.0     | ng    | 2691960  | 1                     | 6.892  | 5986350 | 20.0 |
| o-Cymene           | 7.375  | 4.8     | ng    | 1423050  | 1                     | 6.892  | 5986350 | 20.0 |
| unknown7.534       | 7.534  | 18.1    | ng    | 2473750  | 2                     | 8.169  | 2729250 | 20.0 |
| Tridecane, 6-me... | 7.592  | 13.7    | ng    | 1863490  | 2                     | 8.169  | 2729250 | 20.0 |
| Decane, 3,7-dim... | 7.675  | 46.4    | ng    | 6325800  | 2                     | 8.169  | 2729250 | 20.0 |
| Cyclohexane, pe... | 7.792  | 15.9    | ng    | 2169490  | 2                     | 8.169  | 2729250 | 20.0 |
| unknown7.816       | 7.816  | 5.2     | ng    | 704656   | 2                     | 8.169  | 2729250 | 20.0 |
| Benzene, 1,2,4,... | 7.910  | 10.6    | ng    | 1442920  | 2                     | 8.169  | 2729250 | 20.0 |
| unknown8.104       | 8.104  | 11.7    | ng    | 1589740  | 2                     | 8.169  | 2729250 | 20.0 |
| unknown8.410       | 8.410  | 5.0     | ng    | 676200   | 2                     | 8.169  | 2729250 | 20.0 |
| Benzene, 1-cycl... | 9.563  | 18.9    | ng    | 1921540  | 3                     | 9.928  | 2030520 | 20.0 |
| Tetratetracontane  | 9.651  | 22.7    | ng    | 2301470  | 3                     | 9.928  | 2030520 | 20.0 |
| 2,5-Cyclohexadi... | 9.745  | 10.9    | ng    | 1105710  | 3                     | 9.928  | 2030520 | 20.0 |
| Sulfurous acid,... | 10.869 | 20.0    | ng    | 6030580  | 4                     | 11.433 | 6030580 | 20.0 |





# CALIBRATION SUMMARY

6C

## SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: GENV01  
 Lab Code: CHEM Case No.: Q1447 SAS No.: Q1447 SDG No.: Q1447  
 Instrument ID: BNA\_F Calibration Date(s): 02/27/2025 02/27/2025  
 Calibration Time(s): 15:17 18:45

| LAB FILE ID:                |        | RRF2.5 = BF141793.D |        |        | RRF005 = BF141794.D |        | RRF010 = BF141795.D |       |
|-----------------------------|--------|---------------------|--------|--------|---------------------|--------|---------------------|-------|
|                             |        | RRF020 = BF141796.D |        |        | RRF040 = BF141797.D |        | RRF050 = BF141798.D |       |
| COMPOUND                    | RRF2.5 | RRF005              | RRF010 | RRF020 | RRF040              | RRF050 | RRF                 | % RSD |
| 2-Fluorophenol              |        | 1.348               | 1.315  | 1.326  | 1.286               | 1.185  | 1.252               | 6.9   |
| Benzaldehyde                |        | 1.151               | 1.088  | 1.024  | 0.982               | 0.874  | 0.948               | 16.8  |
| Phenol-d6                   |        | 1.750               | 1.707  | 1.728  | 1.684               | 1.541  | 1.630               | 6.9   |
| Phenol                      |        | 1.854               | 1.823  | 1.866  | 1.819               | 1.641  | 1.742               | 7.3   |
| bis(2-Chloroethyl) ether    |        | 1.377               | 1.376  | 1.392  | 1.339               | 1.279  | 1.328               | 4.3   |
| 2-Chlorophenol              |        | 1.442               | 1.406  | 1.439  | 1.412               | 1.299  | 1.355               | 6.7   |
| 2-Methylphenol              |        | 1.155               | 1.132  | 1.165  | 1.164               | 1.079  | 1.118               | 4.2   |
| 2,2-oxybis(1-Chloropropane) |        | 2.139               | 2.094  | 2.149  | 2.079               | 1.930  | 2.016               | 6.5   |
| Acetophenone                |        | 0.539               | 0.517  | 0.512  | 0.497               | 0.456  | 0.487               | 8.0   |
| 3+4-Methylphenols           |        | 1.507               | 1.510  | 1.506  | 1.442               | 1.304  | 1.392               | 9.3   |
| n-Nitroso-di-n-propylamine  | 1.133  | 1.136               | 1.105  | 1.120  | 1.087               | 1.009  | 1.072               | 6.0   |
| Nitrobenzene-d5             |        | 0.248               | 0.271  | 0.318  | 0.341               | 0.332  | 0.313               | 12.1  |
| Hexachloroethane            |        | 0.559               | 0.542  | 0.575  | 0.578               | 0.533  | 0.547               | 4.4   |
| Nitrobenzene                |        | 0.273               | 0.303  | 0.346  | 0.363               | 0.349  | 0.335               | 10.1  |
| Isophorone                  |        | 0.702               | 0.682  | 0.690  | 0.682               | 0.642  | 0.672               | 3.4   |
| 2-Nitrophenol               |        | 0.079               | 0.090  | 0.116  | 0.144               | 0.145  | 0.127               | 25.2  |
| 2,4-Dimethylphenol          |        | 0.258               | 0.250  | 0.256  | 0.254               | 0.238  | 0.247               | 3.9   |
| bis(2-Chloroethoxy) methane |        | 0.463               | 0.448  | 0.450  | 0.435               | 0.404  | 0.429               | 6.2   |
| 2,4-Dichlorophenol          |        | 0.280               | 0.288  | 0.296  | 0.298               | 0.277  | 0.285               | 3.2   |
| Naphthalene                 |        | 1.140               | 1.097  | 1.100  | 1.043               | 0.960  | 1.028               | 8.7   |
| 4-Chloroaniline             |        | 0.402               | 0.392  | 0.398  | 0.379               | 0.350  | 0.377               | 5.7   |
| Hexachlorobutadiene         |        | 0.199               | 0.193  | 0.202  | 0.199               | 0.188  | 0.194               | 3.0   |
| Caprolactam                 |        | 0.087               | 0.086  | 0.090  | 0.091               | 0.085  | 0.088               | 2.8   |
| 4-Chloro-3-methylphenol     |        | 0.333               | 0.316  | 0.329  | 0.326               | 0.300  | 0.317               | 4.2   |
| 2-Methylnaphthalene         |        | 0.762               | 0.725  | 0.723  | 0.677               | 0.621  | 0.674               | 9.7   |
| Hexachlorocyclopentadiene   |        | 0.217               | 0.230  | 0.252  | 0.258               | 0.246  | 0.241               | 5.9   |
| 2,4,6-Trichlorophenol       |        | 0.355               | 0.368  | 0.381  | 0.398               | 0.366  | 0.373               | 3.7   |
| 2-Fluorobiphenyl            |        | 1.443               | 1.387  | 1.346  | 1.237               | 1.128  | 1.247               | 11.9  |
| 2,4,5-Trichlorophenol       |        | 0.348               | 0.364  | 0.388  | 0.383               | 0.364  | 0.369               | 3.9   |
| 1,1-Biphenyl                |        | 1.694               | 1.659  | 1.630  | 1.519               | 1.413  | 1.522               | 9.4   |
| 2-Chloronaphthalene         |        | 1.211               | 1.184  | 1.201  | 1.135               | 1.058  | 1.124               | 7.1   |
| 2-Nitroaniline              |        | 0.152               | 0.187  | 0.246  | 0.300               | 0.297  | 0.260               | 26.0  |
| Dimethylphthalate           |        | 1.431               | 1.405  | 1.405  | 1.363               | 1.262  | 1.339               | 6.1   |
| Acenaphthylene              |        | 1.847               | 1.809  | 1.798  | 1.711               | 1.560  | 1.685               | 8.5   |

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: GENV01  
 Lab Code: CHEM Case No.: Q1447 SAS No.: Q1447 SDG No.: Q1447  
 Instrument ID: BNA\_F Calibration Date(s): 02/27/2025 02/27/2025  
 Calibration Time(s): 15:17 18:45

| LAB FILE ID:                 |        | RRF2.5 = BF141793.D |        |        | RRF005 = BF141794.D |        | RRF010 = BF141795.D |       |
|------------------------------|--------|---------------------|--------|--------|---------------------|--------|---------------------|-------|
|                              |        | RRF020 = BF141796.D |        |        | RRF040 = BF141797.D |        | RRF050 = BF141798.D |       |
| COMPOUND                     | RRF2.5 | RRF005              | RRF010 | RRF020 | RRF040              | RRF050 | RRF                 | % RSD |
| 2,6-Dinitrotoluene           |        | 0.136               | 0.184  | 0.231  | 0.257               | 0.251  | 0.226               | 21.5  |
| 3-Nitroaniline               |        | 0.146               | 0.193  | 0.243  | 0.277               | 0.264  | 0.241               | 21.7  |
| Acenaphthene                 |        | 1.217               | 1.201  | 1.197  | 1.150               | 1.068  | 1.137               | 6.4   |
| 2,4-Dinitrophenol            |        |                     | 0.049  | 0.066  | 0.093               | 0.096  | 0.089               | 29.7  |
| 4-Nitrophenol                |        | 0.129               | 0.159  | 0.197  | 0.228               | 0.215  | 0.198               | 19.9  |
| Dibenzofuran                 |        | 1.850               | 1.794  | 1.765  | 1.663               | 1.532  | 1.654               | 9.4   |
| 2,4-Dinitrotoluene           |        | 0.151               | 0.198  | 0.265  | 0.313               | 0.310  | 0.269               | 25.6  |
| Diethylphthalate             |        | 1.429               | 1.413  | 1.428  | 1.383               | 1.259  | 1.343               | 6.8   |
| 4-Chlorophenyl-phenylether   |        | 0.691               | 0.665  | 0.654  | 0.620               | 0.572  | 0.621               | 8.1   |
| Fluorene                     |        | 1.433               | 1.367  | 1.313  | 1.228               | 1.128  | 1.239               | 11.0  |
| 4-Nitroaniline               |        | 0.149               | 0.187  | 0.229  | 0.267               | 0.248  | 0.229               | 19.5  |
| 4,6-Dinitro-2-methylphenol   |        |                     | 0.043  | 0.063  | 0.087               | 0.090  | 0.081               | 28.9  |
| n-Nitrosodiphenylamine       |        | 0.702               | 0.681  | 0.689  | 0.665               | 0.631  | 0.657               | 5.6   |
| 2,4,6-Tribromophenol         |        | 0.175               | 0.179  | 0.188  | 0.199               | 0.183  | 0.188               | 4.8   |
| 4-Bromophenyl-phenylether    |        | 0.241               | 0.237  | 0.239  | 0.238               | 0.227  | 0.234               | 2.9   |
| Hexachlorobenzene            |        | 0.253               | 0.249  | 0.255  | 0.251               | 0.240  | 0.247               | 2.8   |
| Atrazine                     |        | 0.213               | 0.208  | 0.196  | 0.179               | 0.149  | 0.181               | 17.1  |
| Pentachlorophenol            |        | 0.137               | 0.146  | 0.161  | 0.169               | 0.159  | 0.156               | 7.1   |
| Phenanthrene                 |        | 1.186               | 1.152  | 1.134  | 1.073               | 1.001  | 1.070               | 8.6   |
| Anthracene                   |        | 1.203               | 1.156  | 1.155  | 1.068               | 1.002  | 1.072               | 9.5   |
| Carbazole                    |        | 1.074               | 1.010  | 1.014  | 0.955               | 0.882  | 0.947               | 9.7   |
| Di-n-butylphthalate          |        | 1.335               | 1.291  | 1.291  | 1.208               | 1.128  | 1.200               | 9.3   |
| Fluoranthene                 |        | 1.285               | 1.217  | 1.192  | 1.089               | 0.992  | 1.096               | 12.7  |
| Pyrene                       |        | 1.698               | 1.687  | 1.815  | 1.796               | 1.738  | 1.732               | 3.3   |
| Terphenyl-d14                |        | 1.250               | 1.233  | 1.297  | 1.259               | 1.230  | 1.236               | 3.4   |
| Butylbenzylphthalate         |        | 0.546               | 0.579  | 0.643  | 0.668               | 0.650  | 0.629               | 7.5   |
| 3,3-Dichlorobenzidine        |        | 0.406               | 0.380  | 0.382  | 0.393               | 0.364  | 0.379               | 4.3   |
| Benzo (a) anthracene         |        | 1.367               | 1.387  | 1.384  | 1.312               | 1.244  | 1.321               | 4.5   |
| Chrysene                     |        | 1.303               | 1.184  | 1.235  | 1.265               | 1.185  | 1.218               | 4.4   |
| Bis (2-ethylhexyl) phthalate |        | 0.702               | 0.696  | 0.788  | 0.832               | 0.811  | 0.783               | 7.6   |
| Di-n-octyl phthalate         |        | 0.903               | 0.922  | 1.109  | 1.307               | 1.304  | 1.173               | 16.6  |
| Benzo (b) fluoranthene       |        | 1.442               | 1.396  | 1.533  | 1.306               | 1.232  | 1.362               | 7.8   |
| Benzo (k) fluoranthene       |        | 1.274               | 1.240  | 1.098  | 1.214               | 1.165  | 1.158               | 7.7   |
| Benzo (a) pyrene             |        | 1.113               | 1.083  | 1.133  | 1.119               | 1.060  | 1.093               | 2.7   |
| Indeno (1,2,3-cd) pyrene     |        | 1.097               | 1.126  | 1.240  | 1.346               | 1.337  | 1.274               | 9.5   |

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: GENV01  
 Lab Code: CHEM Case No.: Q1447 SAS No.: Q1447 SDG No.: Q1447  
 Instrument ID: BNA\_F Calibration Date(s): 02/27/2025 02/27/2025  
 Calibration Time(s): 15:17 18:45

| LAB FILE ID:               |        | RRF2.5 = BF141793.D |        |        | RRF005 = BF141794.D |        | RRF010 = BF141795.D |       |
|----------------------------|--------|---------------------|--------|--------|---------------------|--------|---------------------|-------|
|                            |        | RRF020 = BF141796.D |        |        | RRF040 = BF141797.D |        | RRF050 = BF141798.D |       |
| COMPOUND                   | RRF2.5 | RRF005              | RRF010 | RRF020 | RRF040              | RRF050 | RRF                 | % RSD |
| Dibenzo(a,h)anthracene     |        | 0.902               | 0.931  | 1.025  | 1.109               | 1.094  | 1.040               | 8.6   |
| Benzo(g,h,i)perylene       |        | 0.898               | 0.929  | 1.034  | 1.130               | 1.129  | 1.065               | 10.6  |
| 1,2,4,5-Tetrachlorobenzene |        | 0.609               | 0.600  | 0.602  | 0.589               | 0.549  | 0.578               | 5.0   |
| 1,4-Dioxane                |        | 0.613               | 0.554  | 0.576  | 0.596               | 0.545  | 0.568               | 4.8   |
| 2,3,4,6-Tetrachlorophenol  |        | 0.313               | 0.314  | 0.336  | 0.339               | 0.309  | 0.321               | 3.7   |

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-BF022725.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 Last Update : Fri Feb 28 01:48:16 2025  
 Response Via : Initial Calibration

## Calibration Files

2.5 =BF141793.D 5 =BF141794.D 10 =BF141795.D 20 =BF141796.D 40 =BF141797.D 50 =BF141798.D 60 =BF141799.D 80 =BF141800.D

|       | Compound              | 2.5            | 5     | 10    | 20    | 40    | 50    | 60    | 80    | Avg   | %RSD |
|-------|-----------------------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|------|
| 1) I  | 1,4-Dichlorobenzen... | -----ISTD----- |       |       |       |       |       |       |       |       |      |
| 2)    | 1,4-Dioxane           | 0.613          | 0.554 | 0.576 | 0.596 | 0.545 | 0.554 | 0.541 | 0.568 | 4.81  |      |
| 3)    | Pyridine              | 1.403          | 1.412 | 1.486 | 1.476 | 1.380 | 1.389 | 1.350 | 1.414 | 3.54  |      |
| 4)    | n-Nitrosodimet...     | 0.634          | 0.666 | 0.689 | 0.730 | 0.674 | 0.686 | 0.683 | 0.680 | 4.21  |      |
| 5) S  | 2-Fluorophenol        | 1.348          | 1.315 | 1.326 | 1.286 | 1.185 | 1.176 | 1.131 | 1.252 | 6.91  |      |
| 6)    | Aniline               | 1.746          | 1.727 | 1.805 | 1.809 | 1.642 | 1.625 | 1.509 | 1.695 | 6.42  |      |
| 7) S  | Phenol-d6             | 1.750          | 1.707 | 1.728 | 1.684 | 1.541 | 1.523 | 1.477 | 1.630 | 6.90  |      |
| 8)    | 2-Chlorophenol        | 1.442          | 1.406 | 1.439 | 1.412 | 1.299 | 1.266 | 1.220 | 1.355 | 6.72  |      |
| 9)    | Benzaldehyde          | 1.151          | 1.088 | 1.024 | 0.982 | 0.874 | 0.824 | 0.694 | 0.948 | 16.84 |      |
| 10) C | Phenol                | 1.854          | 1.823 | 1.866 | 1.819 | 1.641 | 1.625 | 1.564 | 1.742 | 7.26  |      |
| 11)   | bis(2-Chloroet...     | 1.377          | 1.376 | 1.392 | 1.339 | 1.279 | 1.265 | 1.265 | 1.328 | 4.26  |      |
| 12)   | 1,3-Dichlorobe...     | 1.544          | 1.520 | 1.541 | 1.504 | 1.378 | 1.361 | 1.308 | 1.451 | 6.80  |      |
| 13) C | 1,4-Dichlorobe...     | 1.554          | 1.533 | 1.549 | 1.512 | 1.390 | 1.377 | 1.317 | 1.462 | 6.66  |      |
| 14)   | 1,2-Dichlorobe...     | 1.493          | 1.444 | 1.476 | 1.401 | 1.286 | 1.270 | 1.186 | 1.365 | 8.63  |      |
| 15)   | Benzyl Alcohol        | 1.347          | 1.353 | 1.374 | 1.366 | 1.258 | 1.241 | 1.180 | 1.303 | 5.82  |      |
| 16)   | 2,2'-oxybis(1-...     | 2.139          | 2.094 | 2.149 | 2.079 | 1.930 | 1.910 | 1.814 | 2.016 | 6.47  |      |
| 17)   | 2-Methylphenol        | 1.155          | 1.132 | 1.165 | 1.164 | 1.079 | 1.084 | 1.049 | 1.118 | 4.22  |      |
| 18)   | Hexachloroethane      | 0.559          | 0.542 | 0.575 | 0.578 | 0.533 | 0.530 | 0.513 | 0.547 | 4.39  |      |
| 19) P | n-Nitroso-di-n...     | 1.133          | 1.136 | 1.105 | 1.120 | 1.087 | 1.009 | 1.007 | 0.975 | 1.072 | 6.01 |
| 20)   | 3+4-Methylphenols     | 1.507          | 1.510 | 1.506 | 1.442 | 1.304 | 1.281 | 1.198 | 1.392 | 9.29  |      |
| 21) I | Naphthalene-d8        | -----ISTD----- |       |       |       |       |       |       |       |       |      |
| 22)   | Acetophenone          | 0.539          | 0.517 | 0.512 | 0.497 | 0.456 | 0.455 | 0.434 | 0.487 | 8.04  |      |
| 23) S | Nitrobenzene-d5       | 0.248          | 0.271 | 0.318 | 0.341 | 0.332 | 0.340 | 0.339 | 0.313 | 12.10 |      |
| 24)   | Nitrobenzene          | 0.273          | 0.303 | 0.346 | 0.363 | 0.349 | 0.357 | 0.354 | 0.335 | 10.07 |      |
| 25)   | Isophorone            | 0.702          | 0.682 | 0.690 | 0.682 | 0.642 | 0.659 | 0.649 | 0.672 | 3.35  |      |
| 26) C | 2-Nitrophenol         | 0.079          | 0.090 | 0.116 | 0.144 | 0.145 | 0.155 | 0.158 | 0.127 | 25.21 |      |
| 27)   | 2,4-Dimethylph...     | 0.258          | 0.250 | 0.256 | 0.254 | 0.238 | 0.238 | 0.236 | 0.247 | 3.87  |      |
| 28)   | bis(2-Chloroet...     | 0.463          | 0.448 | 0.450 | 0.435 | 0.404 | 0.408 | 0.394 | 0.429 | 6.19  |      |
| 29) C | 2,4-Dichloroph...     | 0.280          | 0.288 | 0.296 | 0.298 | 0.277 | 0.281 | 0.275 | 0.285 | 3.20  |      |
| 30)   | 1,2,4-Trichlor...     | 0.328          | 0.321 | 0.327 | 0.319 | 0.298 | 0.301 | 0.292 | 0.312 | 4.71  |      |
| 31)   | Naphthalene           | 1.140          | 1.097 | 1.100 | 1.043 | 0.960 | 0.950 | 0.906 | 1.028 | 8.74  |      |
| 32)   | Benzoic acid          |                | 0.099 | 0.145 | 0.191 | 0.200 | 0.215 | 0.226 | 0.179 | 26.89 |      |
| 33)   | 4-Chloroaniline       | 0.402          | 0.392 | 0.398 | 0.379 | 0.350 | 0.356 | 0.360 | 0.377 | 5.66  |      |
| 34) C | Hexachlorobuta...     | 0.199          | 0.193 | 0.202 | 0.199 | 0.188 | 0.191 | 0.187 | 0.194 | 2.98  |      |
| 35)   | Caprolactam           | 0.087          | 0.086 | 0.090 | 0.091 | 0.085 | 0.089 | 0.086 | 0.088 | 2.77  |      |
| 36) C | 4-Chloro-3-met...     | 0.333          | 0.316 | 0.329 | 0.326 | 0.300 | 0.310 | 0.303 | 0.317 | 4.16  |      |
| 37)   | 2-Methylnaphth...     | 0.762          | 0.725 | 0.723 | 0.677 | 0.621 | 0.619 | 0.591 | 0.674 | 9.66  |      |
| 38)   | 1-Methylnaphth...     | 0.734          | 0.688 | 0.697 | 0.652 | 0.594 | 0.594 | 0.570 | 0.647 | 9.67  |      |

Method Path : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\  
 Method File : 8270-BF022725.M

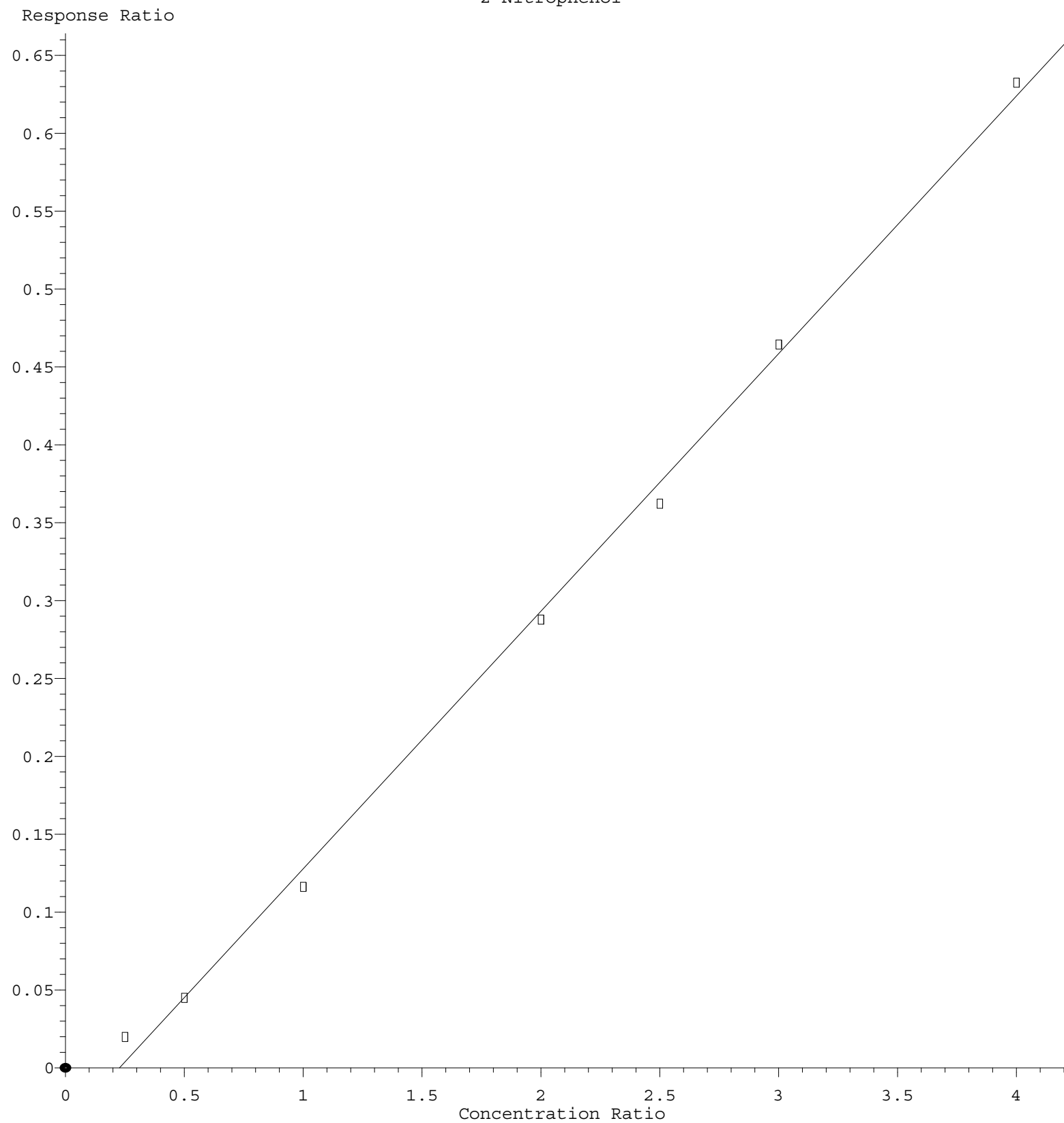
|       |                   |                |       |       |       |       |       |       |       |       |  |
|-------|-------------------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|--|
| 39) I | Acenaphthene-d10  | -----ISTD----- |       |       |       |       |       |       |       |       |  |
| 40)   | 1,2,4,5-Tetrac... | 0.609          | 0.600 | 0.602 | 0.589 | 0.549 | 0.553 | 0.540 | 0.578 | 5.03  |  |
| 41) P | Hexachlorocycl... | 0.217          | 0.230 | 0.252 | 0.258 | 0.246 | 0.247 | 0.236 | 0.241 | 5.87  |  |
| 42) S | 2,4,6-Tribromo... | 0.175          | 0.179 | 0.188 | 0.199 | 0.183 | 0.196 | 0.194 | 0.188 | 4.80  |  |
| 43) C | 2,4,6-Trichlor... | 0.355          | 0.368 | 0.381 | 0.398 | 0.366 | 0.368 | 0.377 | 0.373 | 3.65  |  |
| 44)   | 2,4,5-Trichlor... | 0.348          | 0.364 | 0.388 | 0.383 | 0.364 | 0.380 | 0.360 | 0.369 | 3.89  |  |
| 45) S | 2-Fluorobiphenyl  | 1.443          | 1.387 | 1.346 | 1.237 | 1.128 | 1.141 | 1.049 | 1.247 | 11.93 |  |
| 46)   | 1,1'-Biphenyl     | 1.694          | 1.659 | 1.630 | 1.519 | 1.413 | 1.419 | 1.323 | 1.522 | 9.38  |  |
| 47)   | 2-Chloronaphth... | 1.211          | 1.184 | 1.201 | 1.135 | 1.058 | 1.071 | 1.006 | 1.124 | 7.10  |  |
| 48)   | 2-Nitroaniline    | 0.152          | 0.187 | 0.246 | 0.300 | 0.297 | 0.319 | 0.323 | 0.260 | 26.00 |  |
| 49)   | Acenaphthylene    | 1.847          | 1.809 | 1.798 | 1.711 | 1.560 | 1.596 | 1.472 | 1.685 | 8.54  |  |
| 50)   | Dimethylphthalate | 1.431          | 1.405 | 1.405 | 1.363 | 1.262 | 1.285 | 1.224 | 1.339 | 6.09  |  |
| 51)   | 2,6-Dinitrotol... | 0.136          | 0.184 | 0.231 | 0.257 | 0.251 | 0.265 | 0.261 | 0.226 | 21.50 |  |
| 52) C | Acenaphthene      | 1.217          | 1.201 | 1.197 | 1.150 | 1.068 | 1.084 | 1.039 | 1.137 | 6.37  |  |
| 53)   | 3-Nitroaniline    | 0.146          | 0.193 | 0.243 | 0.277 | 0.264 | 0.282 | 0.280 | 0.241 | 21.68 |  |
| 54) P | 2,4-Dinitrophenol |                | 0.049 | 0.066 | 0.093 | 0.096 | 0.112 | 0.116 | 0.089 | 29.73 |  |
| 55)   | Dibenzofuran      | 1.850          | 1.794 | 1.765 | 1.663 | 1.532 | 1.542 | 1.436 | 1.654 | 9.40  |  |
| 56) P | 4-Nitrophenol     | 0.129          | 0.159 | 0.197 | 0.228 | 0.215 | 0.229 | 0.227 | 0.198 | 19.87 |  |
| 57)   | 2,4-Dinitrotol... | 0.151          | 0.198 | 0.265 | 0.313 | 0.310 | 0.325 | 0.320 | 0.269 | 25.57 |  |
| 58)   | Fluorene          | 1.433          | 1.367 | 1.313 | 1.228 | 1.128 | 1.134 | 1.072 | 1.239 | 10.97 |  |
| 59)   | 2,3,4,6-Tetrac... | 0.313          | 0.314 | 0.336 | 0.339 | 0.309 | 0.322 | 0.315 | 0.321 | 3.66  |  |
| 60)   | Diethylphthalate  | 1.429          | 1.413 | 1.428 | 1.383 | 1.259 | 1.275 | 1.212 | 1.343 | 6.78  |  |
| 61)   | 4-Chlorophenyl... | 0.691          | 0.665 | 0.654 | 0.620 | 0.572 | 0.583 | 0.562 | 0.621 | 8.09  |  |
| 62)   | 4-Nitroaniline    | 0.149          | 0.187 | 0.229 | 0.267 | 0.248 | 0.265 | 0.256 | 0.229 | 19.54 |  |
| 63)   | Azobenzene        | 1.544          | 1.503 | 1.505 | 1.437 | 1.320 | 1.325 | 1.262 | 1.414 | 7.81  |  |
| 64) I | Phenanthrene-d10  | -----ISTD----- |       |       |       |       |       |       |       |       |  |
| 65)   | 4,6-Dinitro-2-... |                | 0.043 | 0.063 | 0.087 | 0.090 | 0.100 | 0.103 | 0.081 | 28.86 |  |
| 66) c | n-Nitrosodiphe... | 0.702          | 0.681 | 0.689 | 0.665 | 0.631 | 0.623 | 0.607 | 0.657 | 5.56  |  |
| 67)   | 4-Bromophenyl-... | 0.241          | 0.237 | 0.239 | 0.238 | 0.227 | 0.230 | 0.224 | 0.234 | 2.86  |  |
| 68)   | Hexachlorobenzene | 0.253          | 0.249 | 0.255 | 0.251 | 0.240 | 0.242 | 0.237 | 0.247 | 2.79  |  |
| 69)   | Atrazine          | 0.213          | 0.208 | 0.196 | 0.179 | 0.149 | 0.139 |       | 0.181 | 17.11 |  |
| 70) C | Pentachlorophenol | 0.137          | 0.146 | 0.161 | 0.169 | 0.159 | 0.164 | 0.160 | 0.156 | 7.07  |  |
| 71)   | Phenanthrene      | 1.186          | 1.152 | 1.134 | 1.073 | 1.001 | 1.001 | 0.940 | 1.070 | 8.58  |  |
| 72)   | Anthracene        | 1.203          | 1.156 | 1.155 | 1.068 | 1.002 | 0.990 | 0.931 | 1.072 | 9.54  |  |
| 73)   | Carbazole         | 1.074          | 1.010 | 1.014 | 0.955 | 0.882 | 0.871 | 0.821 | 0.947 | 9.69  |  |
| 74)   | Di-n-butylphth... | 1.335          | 1.291 | 1.291 | 1.208 | 1.128 | 1.114 | 1.035 | 1.200 | 9.30  |  |
| 75) C | Fluoranthene      | 1.285          | 1.216 | 1.192 | 1.089 | 0.992 | 0.981 | 0.917 | 1.096 | 12.66 |  |
| 76) I | Chrysene-d12      | -----ISTD----- |       |       |       |       |       |       |       |       |  |
| 77)   | Benzidine         |                | 0.342 | 0.198 | 0.259 | 0.214 | 0.181 | 0.316 | 0.252 | 26.09 |  |
| 78)   | Pyrene            | 1.698          | 1.687 | 1.815 | 1.796 | 1.738 | 1.734 | 1.656 | 1.732 | 3.32  |  |
| 79) S | Terphenyl-d14     | 1.250          | 1.233 | 1.297 | 1.259 | 1.230 | 1.227 | 1.157 | 1.236 | 3.43  |  |
| 80)   | Butylbenzylpht... | 0.546          | 0.579 | 0.643 | 0.668 | 0.650 | 0.667 | 0.652 | 0.629 | 7.54  |  |
| 81)   | Benzo(a)anthra... | 1.367          | 1.387 | 1.384 | 1.312 | 1.244 | 1.262 | 1.292 | 1.321 | 4.46  |  |
| 82)   | 3,3'-Dichlorob... | 0.406          | 0.380 | 0.382 | 0.393 | 0.364 | 0.364 | 0.365 | 0.379 | 4.27  |  |
| 83)   | Chrysene          | 1.303          | 1.184 | 1.235 | 1.265 | 1.185 | 1.209 | 1.144 | 1.218 | 4.42  |  |
| 84)   | Bis(2-ethylhex... | 0.702          | 0.696 | 0.788 | 0.832 | 0.811 | 0.828 | 0.827 | 0.783 | 7.59  |  |
| 85) c | Di-n-octyl pht... | 0.903          | 0.922 | 1.109 | 1.307 | 1.304 | 1.318 | 1.348 | 1.173 | 16.59 |  |

Method Path : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\  
Method File : 8270-BF022725.M

|       |                   |                |       |       |       |       |       |       |       |       |  |
|-------|-------------------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|--|
| 86) I | Perylene-d12      | -----ISTD----- |       |       |       |       |       |       |       |       |  |
| 87)   | Indeno(1,2,3-c... | 1.097          | 1.126 | 1.240 | 1.346 | 1.337 | 1.371 | 1.397 | 1.274 | 9.52  |  |
| 88)   | Benzo(b)fluora... | 1.442          | 1.396 | 1.533 | 1.306 | 1.232 | 1.370 | 1.256 | 1.362 | 7.81  |  |
| 89)   | Benzo(k)fluora... | 1.274          | 1.240 | 1.098 | 1.214 | 1.165 | 1.040 | 1.074 | 1.158 | 7.70  |  |
| 90) C | Benzo(a)pyrene    | 1.113          | 1.083 | 1.133 | 1.119 | 1.060 | 1.080 | 1.060 | 1.093 | 2.68  |  |
| 91)   | Dibenzo(a,h)an... | 0.902          | 0.931 | 1.025 | 1.109 | 1.094 | 1.101 | 1.115 | 1.040 | 8.63  |  |
| 92)   | Benzo(g,h,i)pe... | 0.898          | 0.929 | 1.034 | 1.130 | 1.129 | 1.156 | 1.179 | 1.065 | 10.60 |  |

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

# 2-Nitrophenol

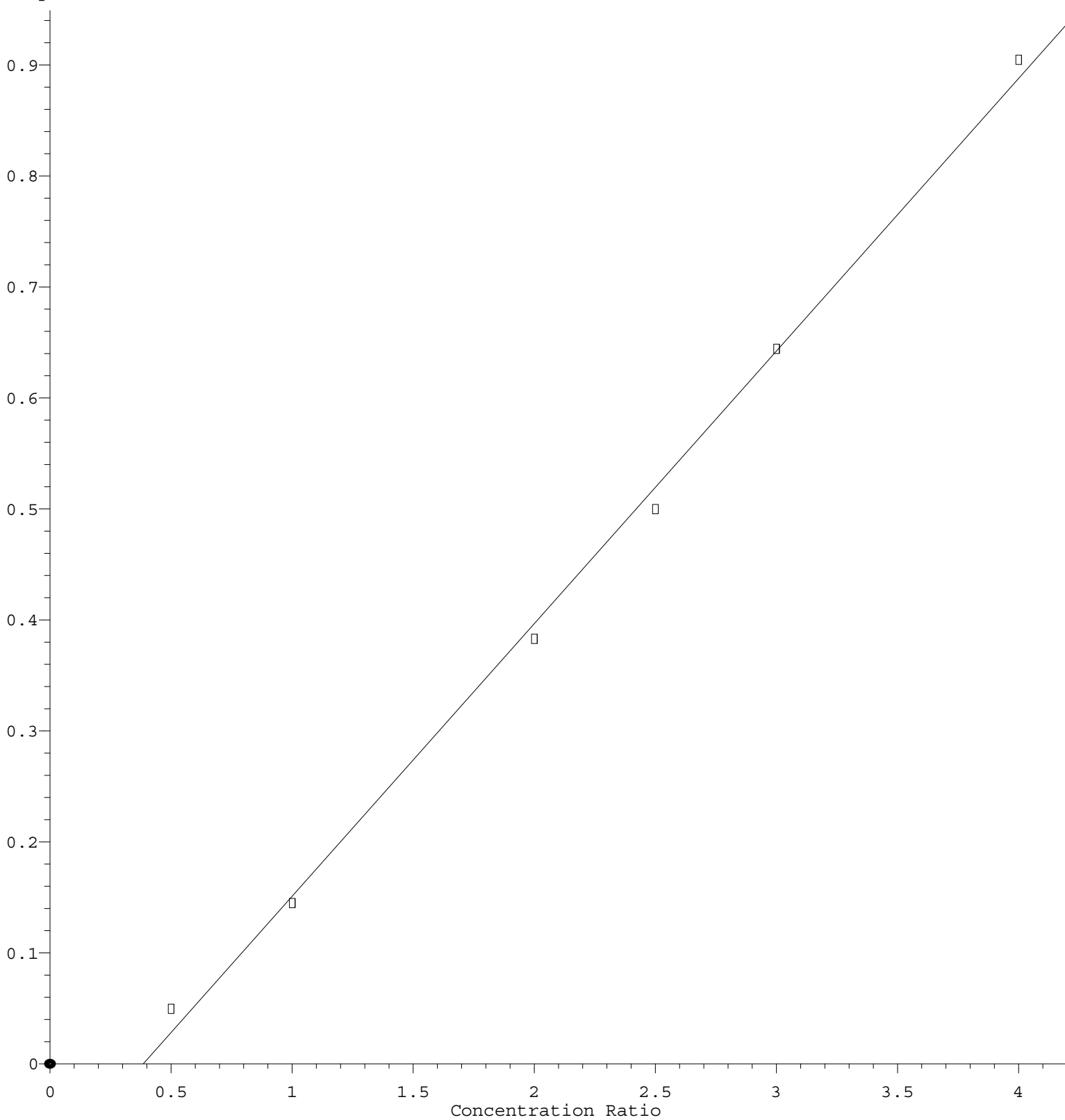


Response =  $1.654e-001 * \text{Amt} - 3.762e-002$   
 Coef of Det ( $r^2$ ) = 0.997727    Curve Fit: Linear  
 Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF022725.M  
 Calibration Table Last Updated: Fri Feb 28 01:48:16 2025



# Benzoic acid

Response Ratio



$$\text{Response} = 2.456\text{e-}001 * \text{Amt} - 9.444\text{e-}002$$

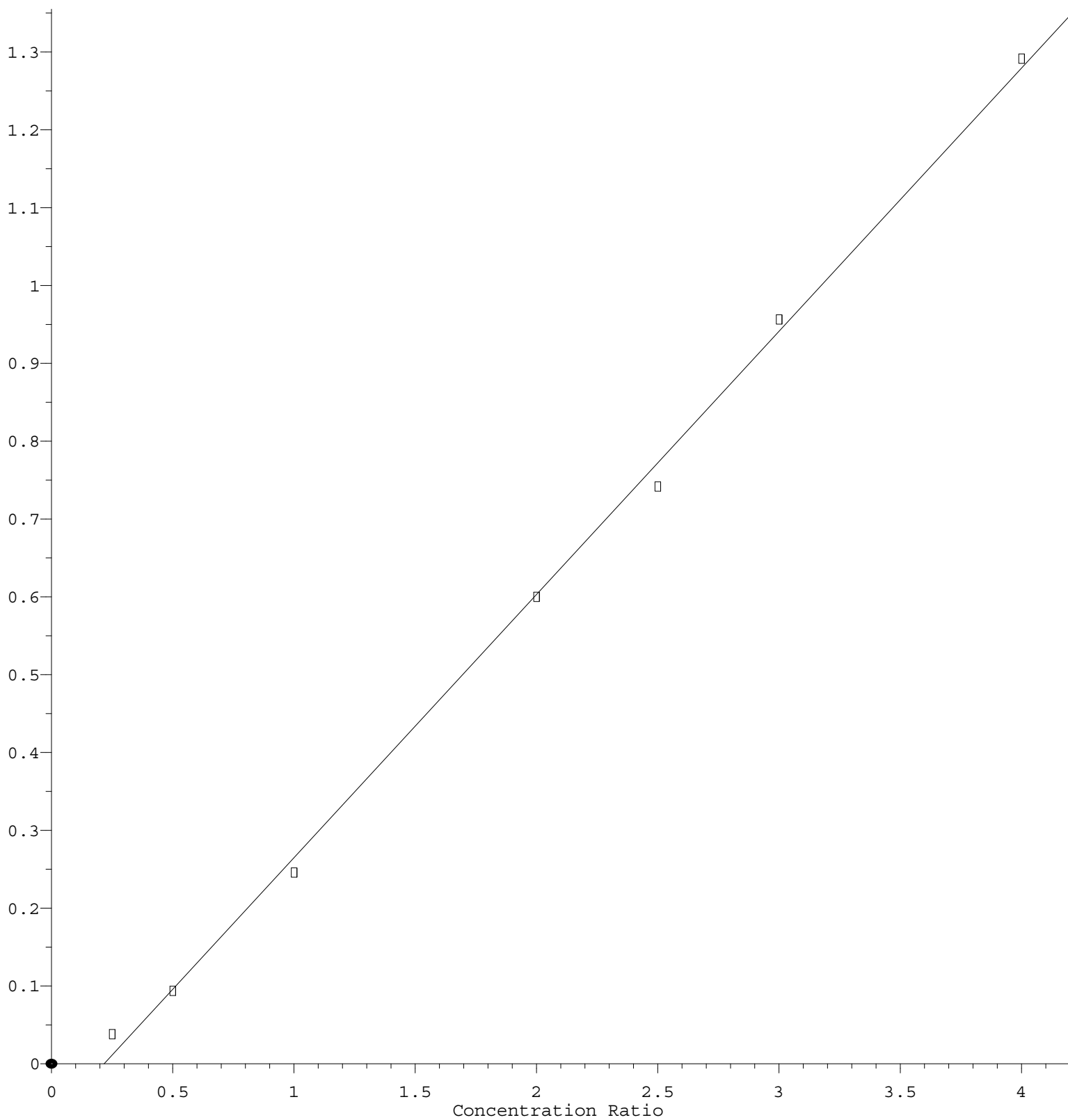
Coef of Det ( $r^2$ ) = 0.997308 Curve Fit: Linear

Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF022725.M

Calibration Table Last Updated: Fri Feb 28 01:48:16 2025

## 2-Nitroaniline

Response Ratio



$$\text{Response} = 3.381\text{e-}001 * \text{Amt} - 7.336\text{e-}002$$

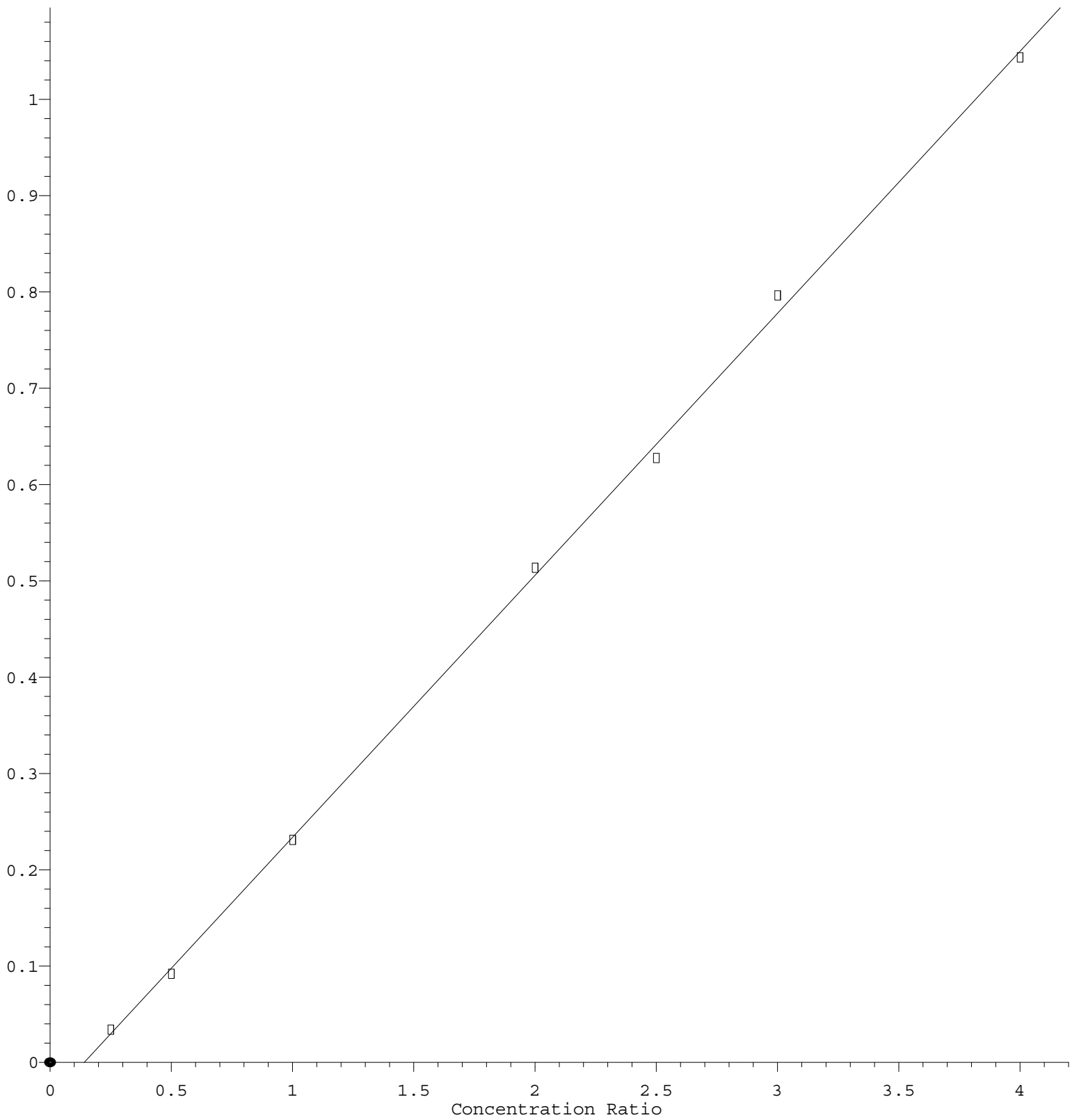
Coef of Det ( $r^2$ ) = 0.998178 Curve Fit: Linear

Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF022725.M

Calibration Table Last Updated: Fri Feb 28 01:48:16 2025

# 2,6-Dinitrotoluene

Response Ratio



$$\text{Response} = 2.723\text{e-}001 * \text{Amt} - 3.850\text{e-}002$$

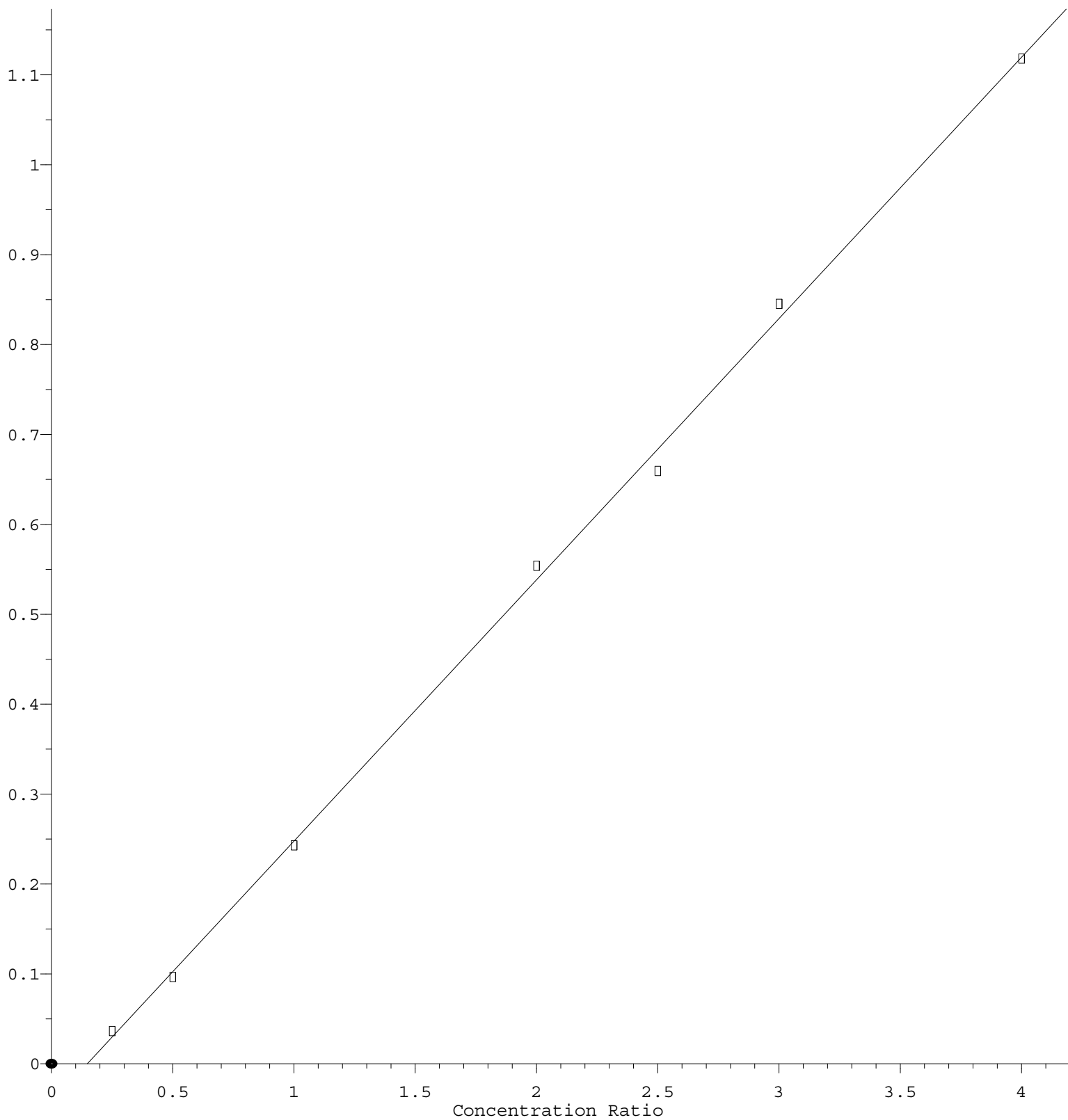
Coef of Det ( $r^2$ ) = 0.999171 Curve Fit: Linear

Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF022725.M

Calibration Table Last Updated: Fri Feb 28 01:48:16 2025

## 3-Nitroaniline

Response Ratio



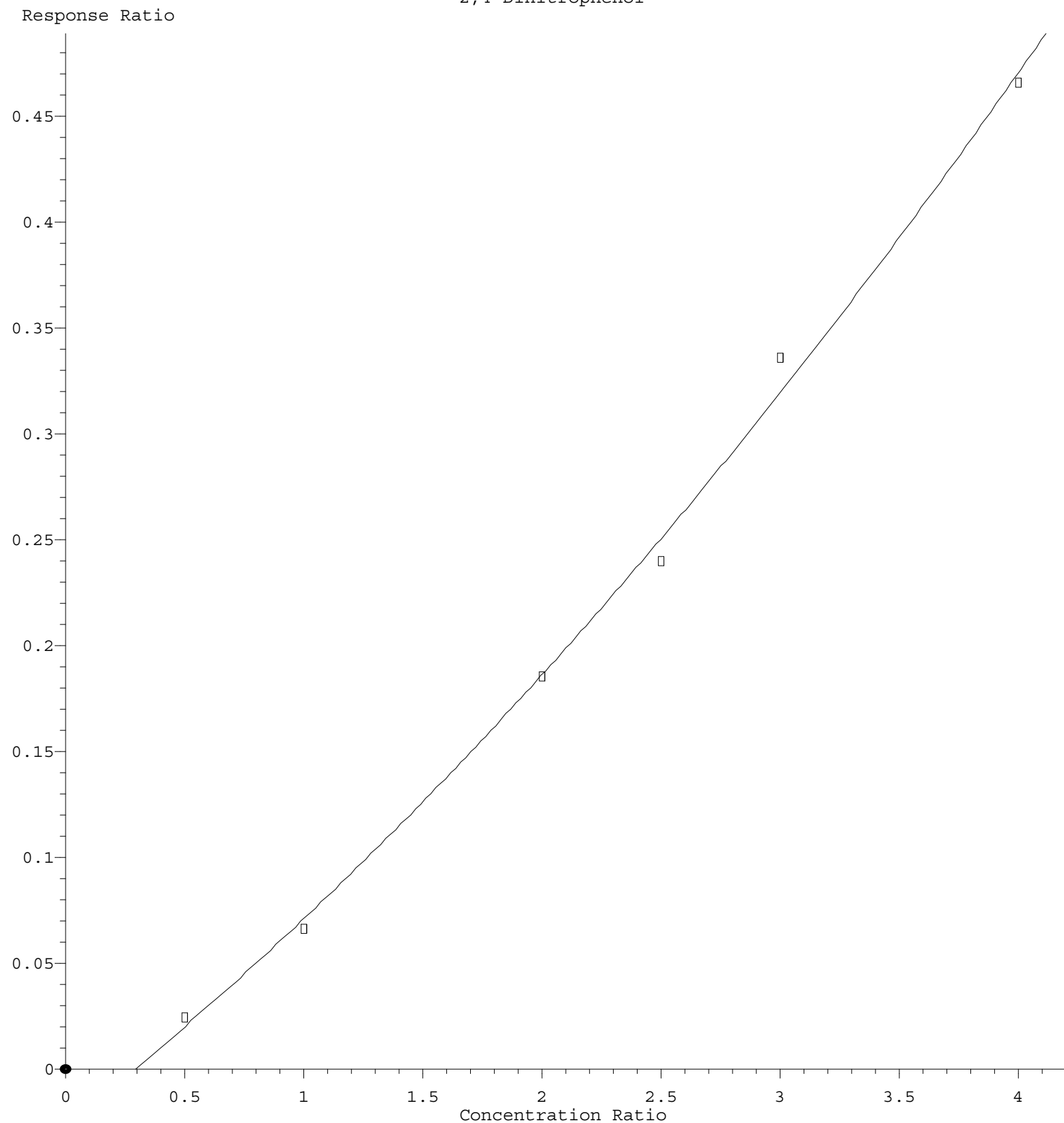
$$\text{Response} = 2.909\text{e-}001 * \text{Amt} - 4.315\text{e-}002$$

Coef of Det ( $r^2$ ) = 0.998769 Curve Fit: Linear

Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF022725.M

Calibration Table Last Updated: Fri Feb 28 01:48:16 2025

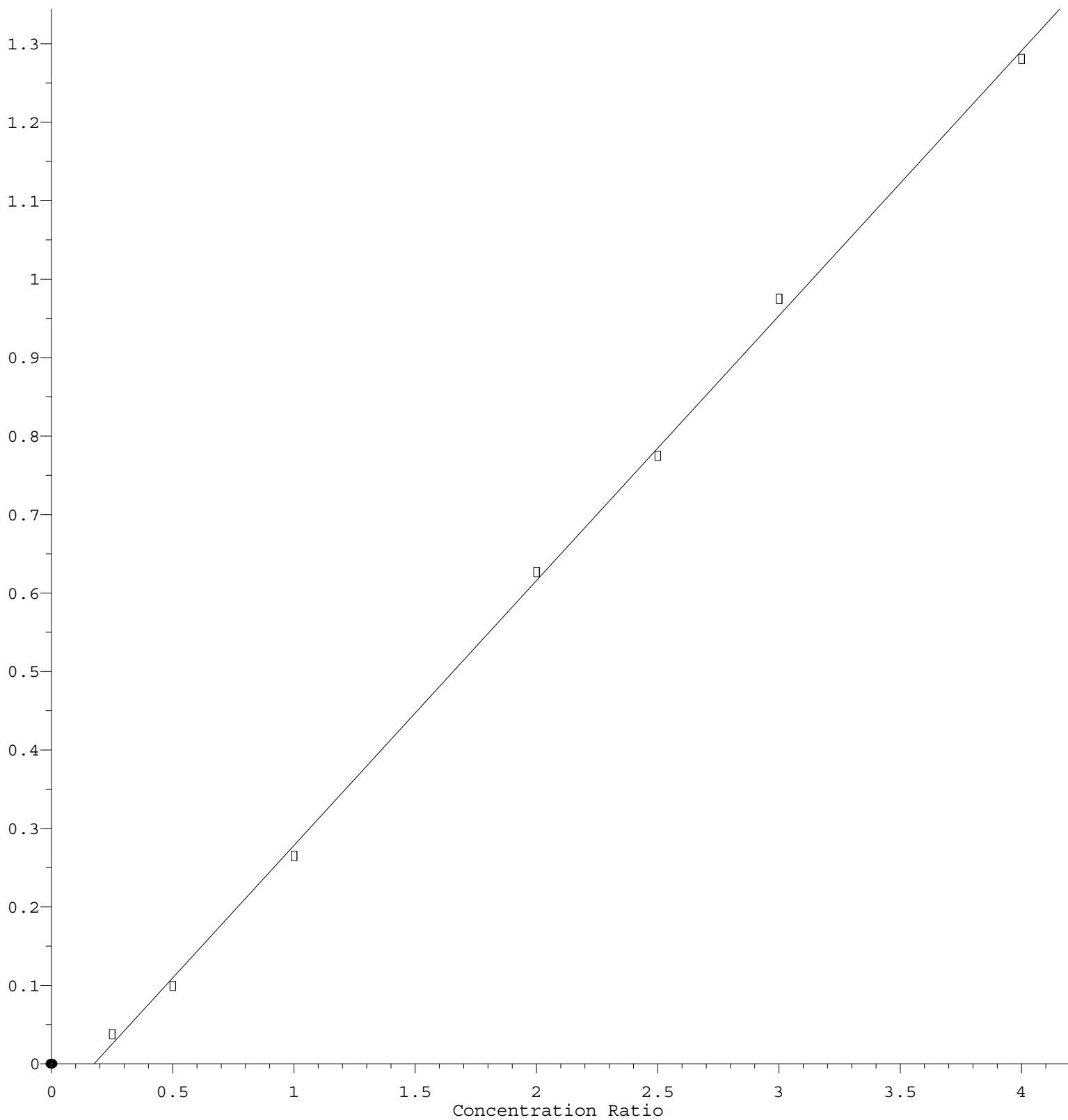
# 2,4-Dinitrophenol



$R = 8.979e-003 A^2 + 8.829e-002 A - 2.630e-002$   
 Coef of Det ( $r^2$ ) = 0.996714    Curve Fit: Quadratic  
 Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF022725.M  
 Calibration Table Last Updated: Fri Feb 28 01:48:16 2025

## 2,4-Dinitrotoluene

Response Ratio



$$\text{Response} = 3.378\text{e-}001 * \text{Amt} - 5.953\text{e-}002$$

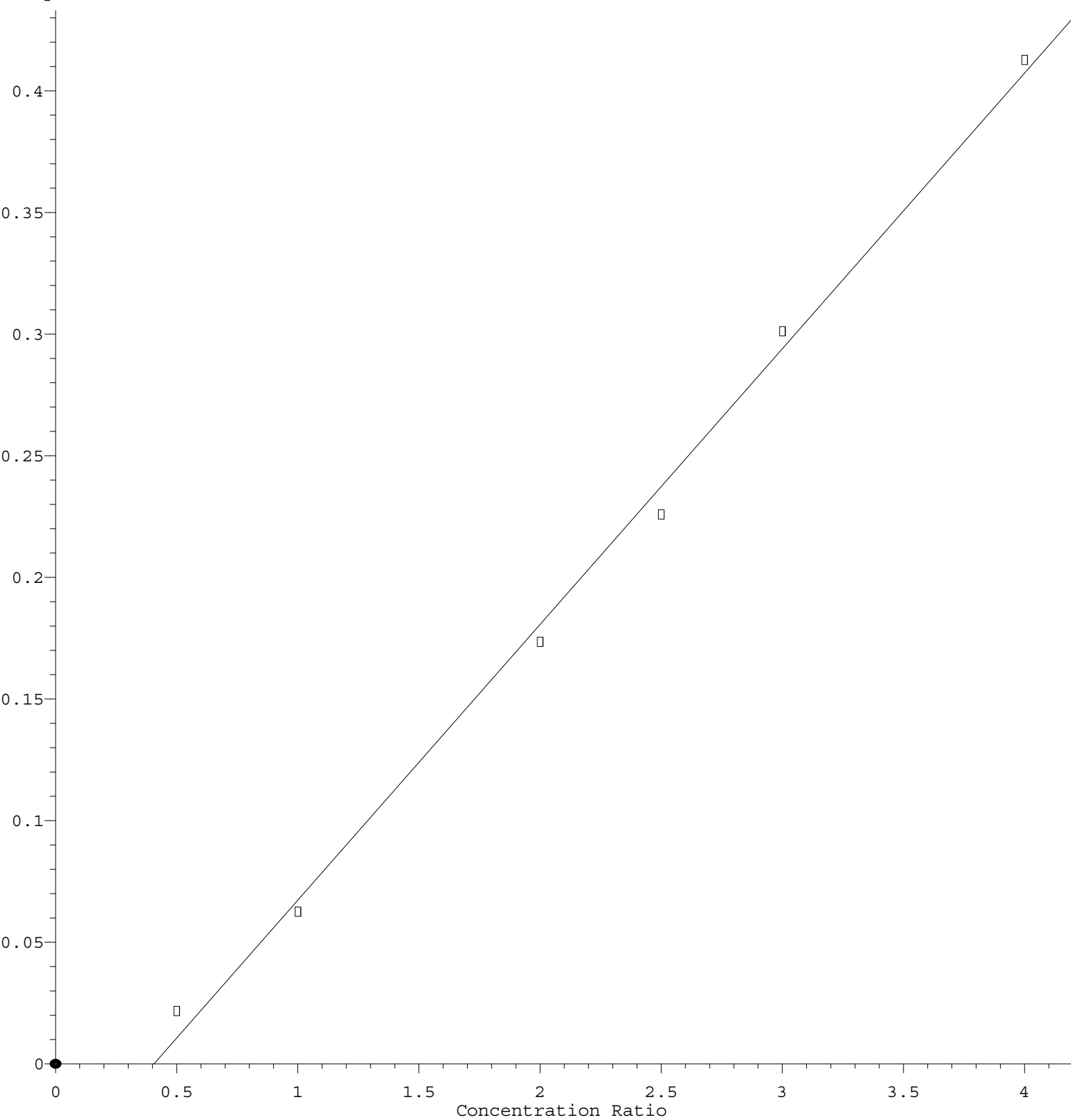
Coef of Det ( $r^2$ ) = 0.999067 Curve Fit: Linear

Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF022725.M

Calibration Table Last Updated: Fri Feb 28 01:48:16 2025

# 4,6-Dinitro-2-methylphenol

Response Ratio



$$\text{Response} = 1.134\text{e-}001 * \text{Amt} - 4.606\text{e-}002$$

Coef of Det ( $r^2$ ) = 0.996201 Curve Fit: Linear

Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF022725.M

Calibration Table Last Updated: Fri Feb 28 01:48:16 2025

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF022725\  
Data File : BF141793.D  
Acq On : 27 Feb 2025 15:17  
Operator : RC/JU  
Sample : SSTDICC2.5  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC2.5

Quant Time: Feb 28 00:18:22 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF022725.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Feb 28 00:17:06 2025  
Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min)      |
|-------------------------------|--------|------|----------|--------|-------|---------------|
| Internal Standards            |        |      |          |        |       |               |
| 1) 1,4-Dichlorobenzene-d4     | 6.887  | 152  | 282413   | 20.000 | ng    | 0.00          |
| 21) Naphthalene-d8            | 8.169  | 136  | 1147711  | 20.000 | ng    | 0.00          |
| 39) Acenaphthene-d10          | 9.922  | 164  | 650007   | 20.000 | ng    | 0.00          |
| 64) Phenanthrene-d10          | 11.410 | 188  | 1119232  | 20.000 | ng    | 0.00          |
| 76) Chrysene-d12              | 14.045 | 240  | 894958   | 20.000 | ng    | 0.00          |
| 86) Perylene-d12              | 15.521 | 264  | 684814   | 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              |        |      |          |        |       |               |
| 19) n-Nitroso-di-n-propyla... | 7.287  | 70   | 39992    | 2.936  | ng    | Qvalue<br>100 |

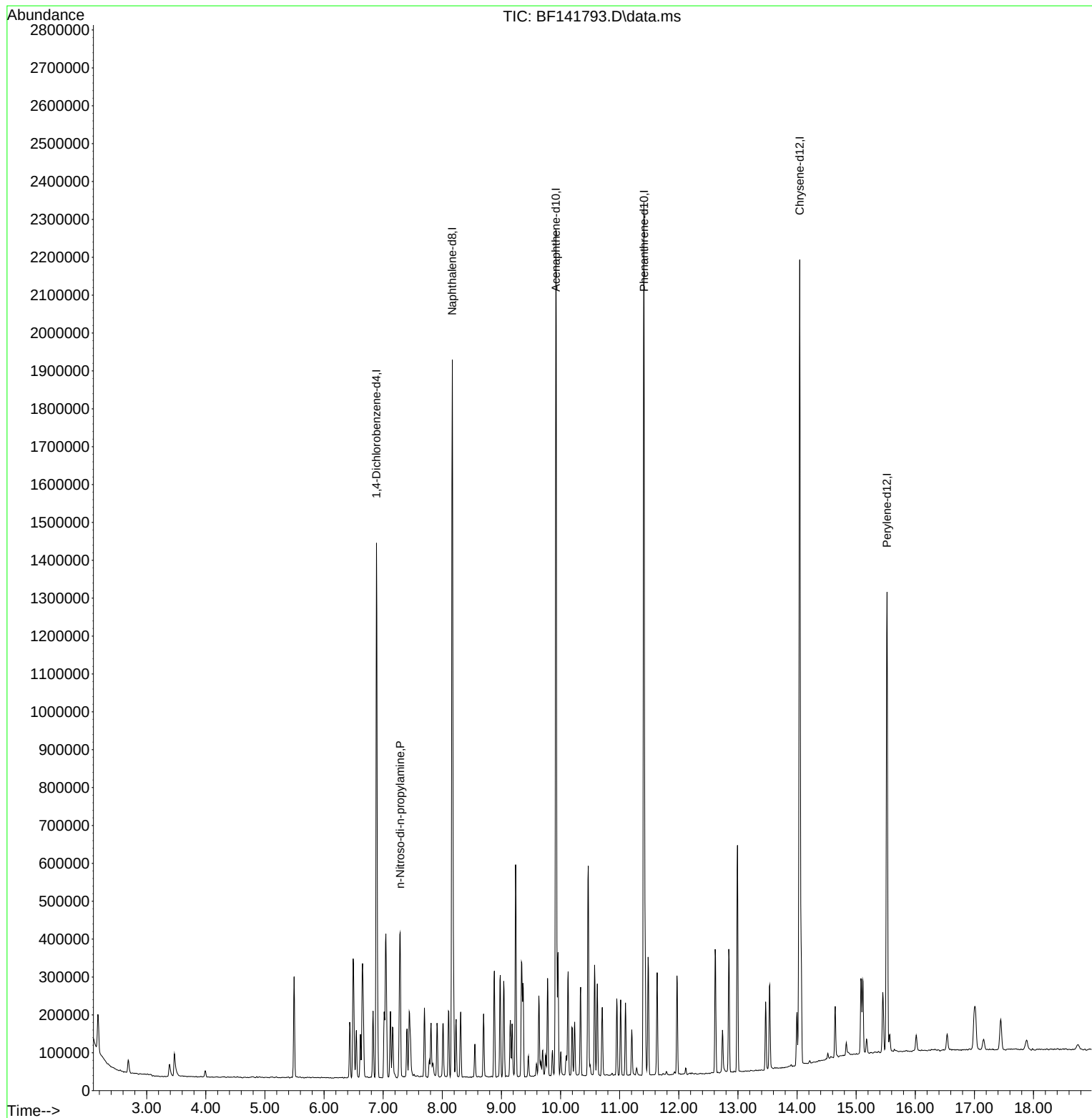
(#) = qualifier out of range (m) = manual integration (+) = signals summed

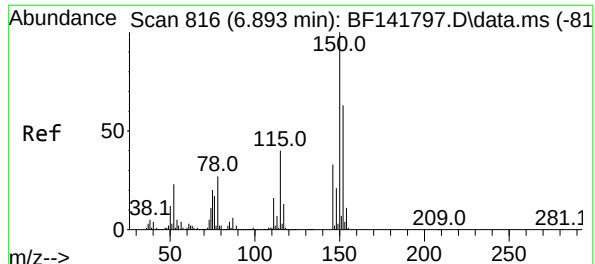


Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF022725\  
Data File : BF141793.D  
Acq On : 27 Feb 2025 15:17  
Operator : RC/JU  
Sample : SSTDICC2.5  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC2.5

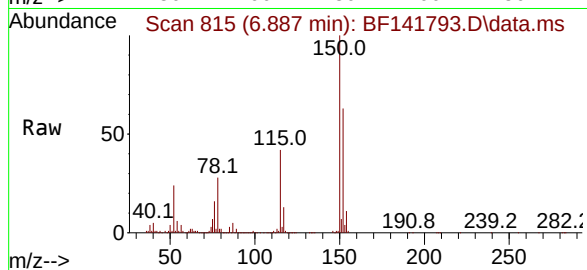
Quant Time: Feb 28 00:18:22 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF022725.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Feb 28 00:17:06 2025  
Response via : Initial Calibration



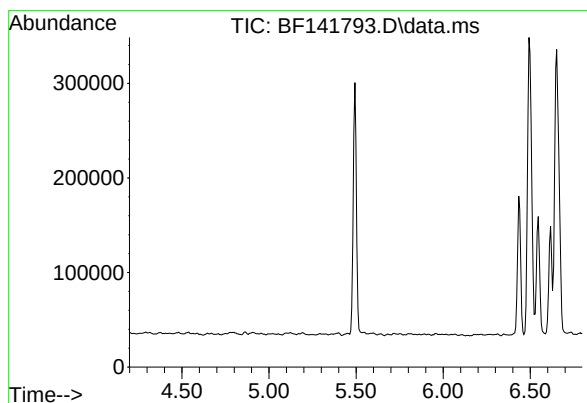
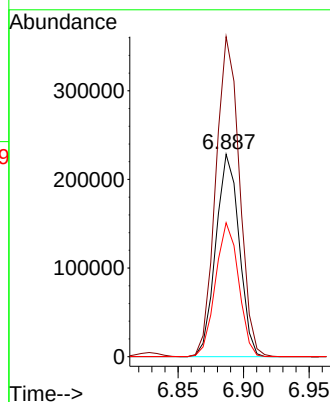
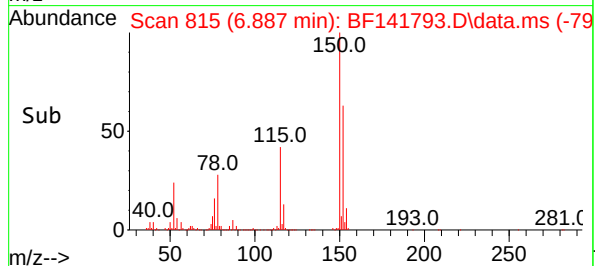


#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.887 min Scan# 81  
Delta R.T. -0.006 min  
Lab File: BF141793.D  
Acq: 27 Feb 2025 15:17

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC2.5

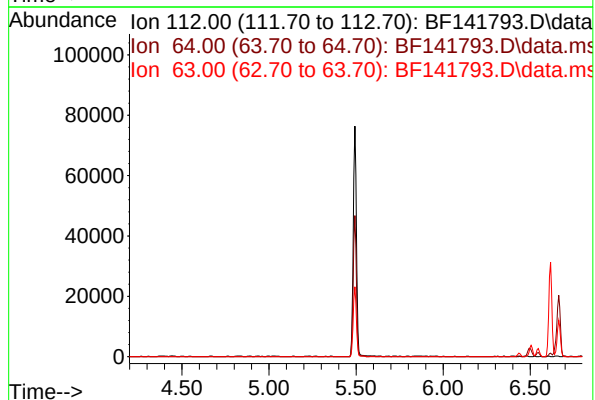


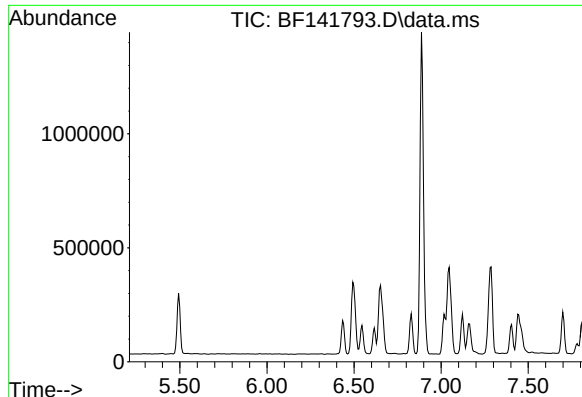
Tgt Ion:152 Resp: 282413  
Ion Ratio Lower Upper  
152 100  
150 158.1 127.5 191.3  
115 66.2 51.4 77.2



#5  
2-Fluorophenol  
Concen: 0.000 ng  
Expected RT: 5.50 min  
  
Lab File: BF141793.D  
Acq: 27 Feb 2025 15:17

Tgt Ion: 112  
Sig Exp Ratio  
112 100  
64 64.1  
63 32.8





#7

Phenol-d6

Concen: 0.000 ng

Expected RT: 6.51 min

Lab File: BF141793.D

Acq: 27 Feb 2025 15:17

Instrument :

BNA\_F

ClientSampleId :

SSTDICC2.5

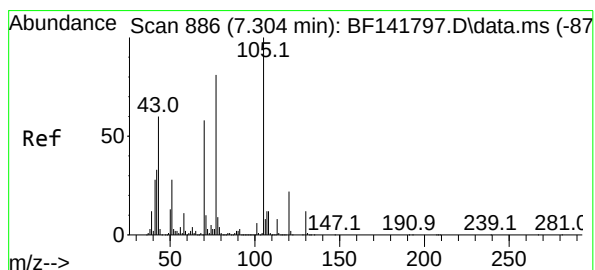
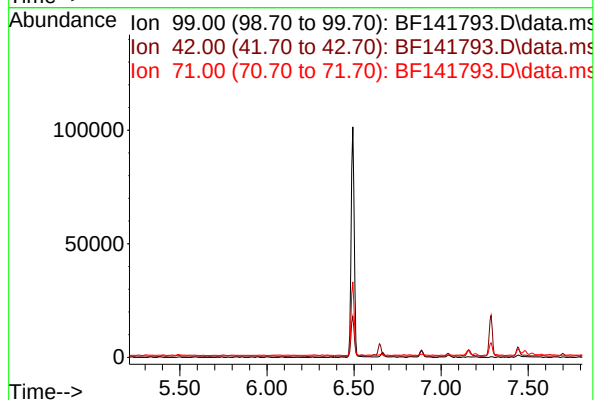
Tgt Ion: 99

Sig Exp Ratio

99 100

42 19.0

71 35.2



#19

n-Nitroso-di-n-propylamine

Concen: 2.936 ng

RT: 7.287 min Scan# 883

Delta R.T. -0.018 min

Lab File: BF141793.D

Acq: 27 Feb 2025 15:17

Tgt Ion: 70 Resp: 39992

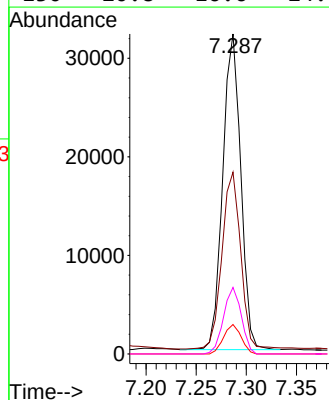
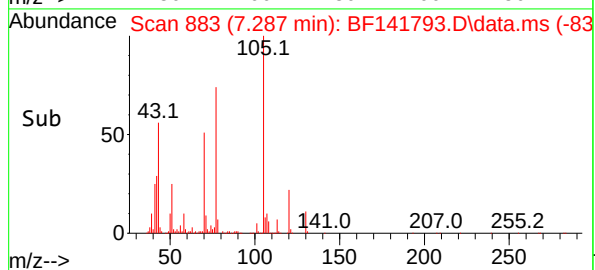
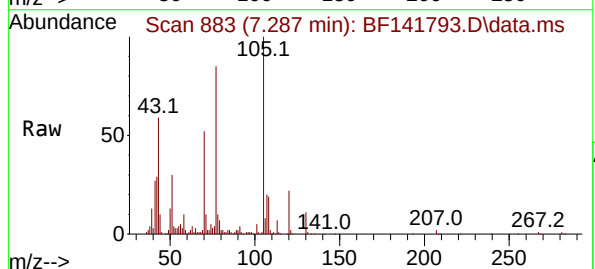
Ion Ratio Lower Upper

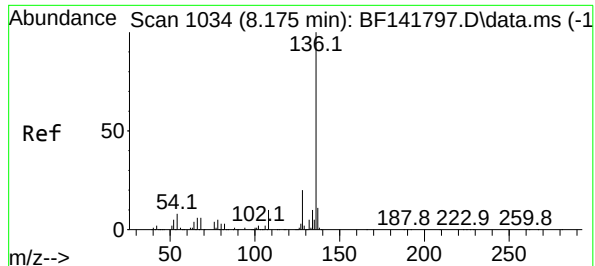
70 100

42 56.8 45.4 68.0

101 9.2 7.8 11.8

130 20.8 16.6 24.8





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.169 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF141793.D

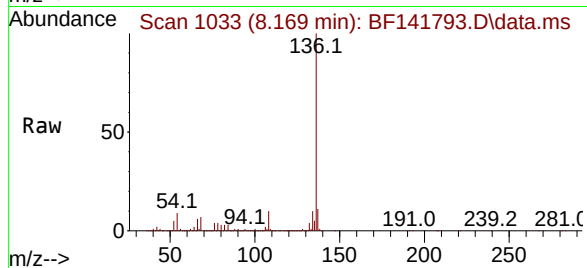
Acq: 27 Feb 2025 15:17

Instrument :

BNA\_F

ClientSampleId :

SSTDICC2.5



Tgt Ion:136 Resp: 1147711

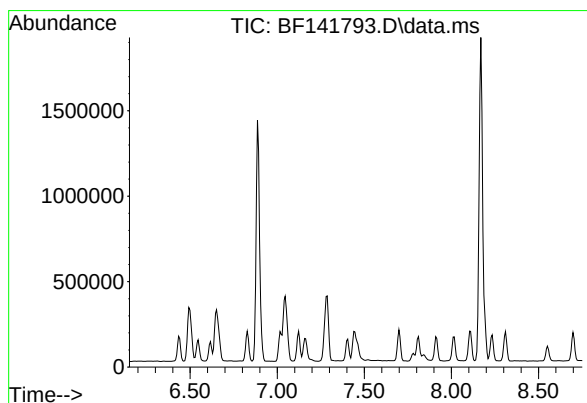
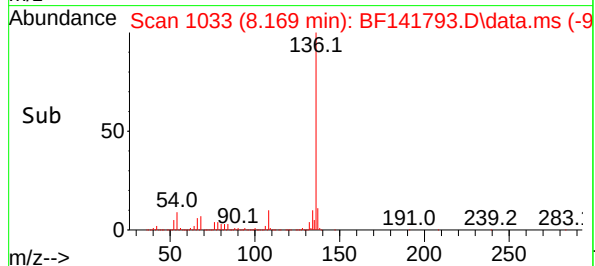
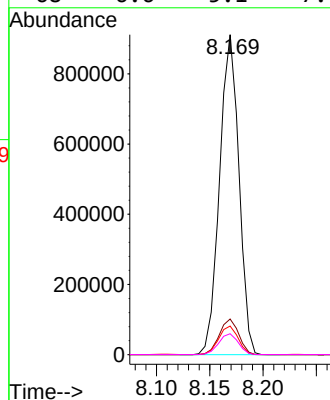
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 8.9 6.9 10.3

68 6.6 5.1 7.7



#23

Nitrobenzene-d5

Concen: 0.000 ng

Expected RT: 7.45 min

Lab File: BF141793.D

Acq: 27 Feb 2025 15:17

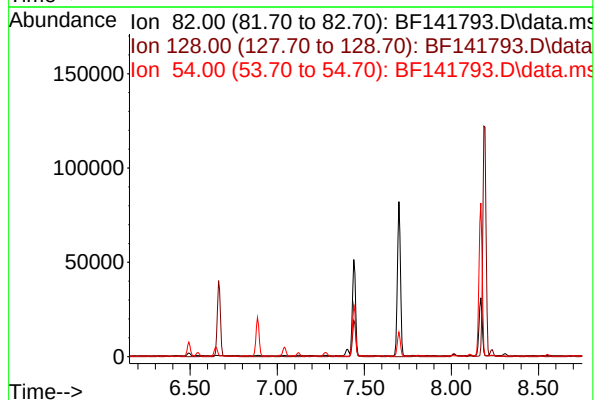
Tgt Ion: 82

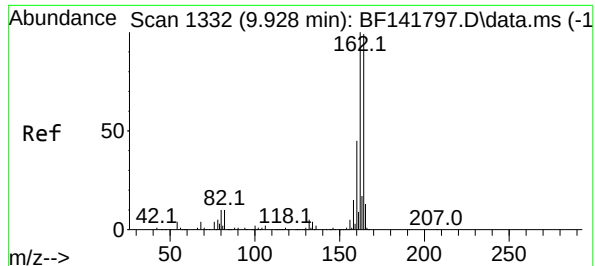
Sig Exp Ratio

82 100

128 41.9

54 53.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.922 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141793.D

Acq: 27 Feb 2025 15:17

Instrument :

BNA\_F

ClientSampleId :

SSTDICC2.5

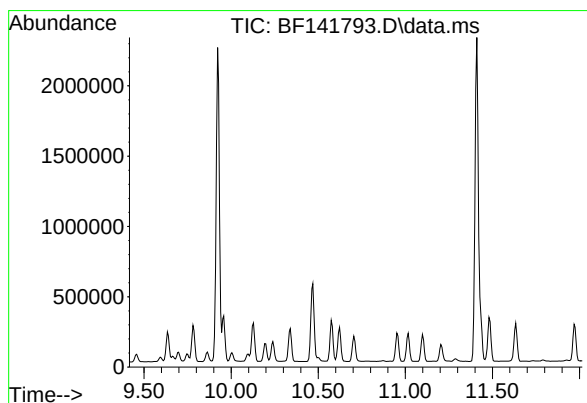
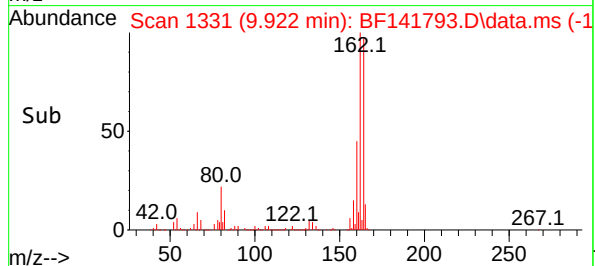
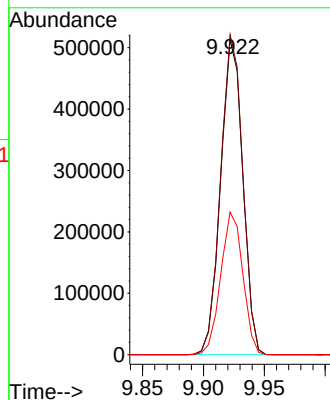
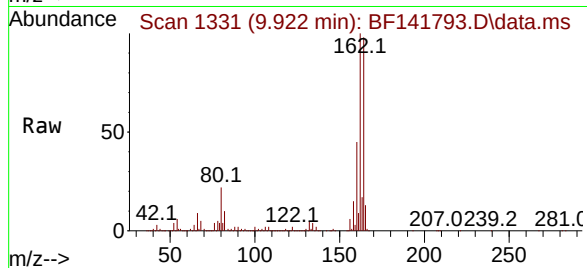
Tgt Ion:164 Resp: 650007

Ion Ratio Lower Upper

164 100

162 101.6 80.6 120.8

160 45.3 36.3 54.5



#42

2,4,6-Tribromophenol

Concen: 0.000 ng

Expected RT: 10.72 min

Lab File: BF141793.D

Acq: 27 Feb 2025 15:17

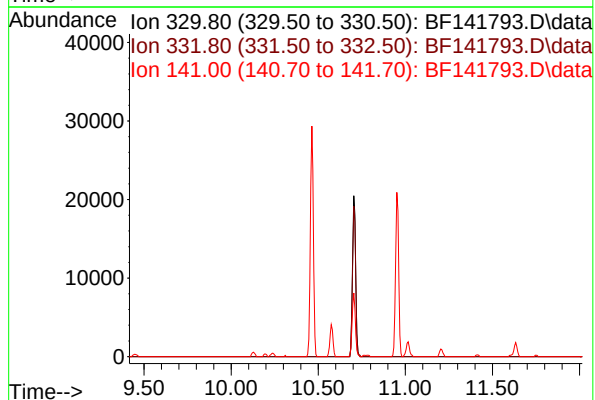
Tgt Ion: 330

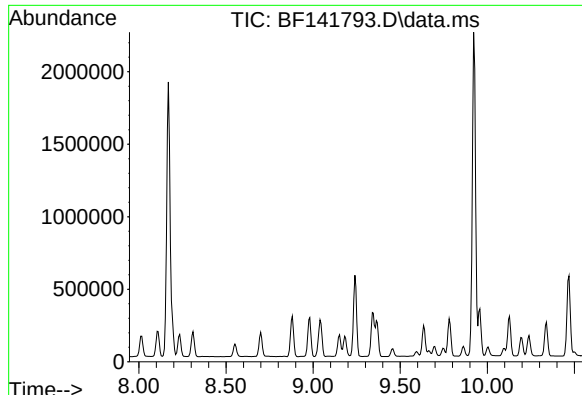
Sig Exp Ratio

330 100

332 95.8

141 36.2





#45

2-Fluorobiphenyl

Concen: 0.000 ng

Expected RT: 9.25 min

Lab File: BF141793.D

Acq: 27 Feb 2025 15:17

Instrument :

BNA\_F

ClientSampleId :

SSTDICC2.5

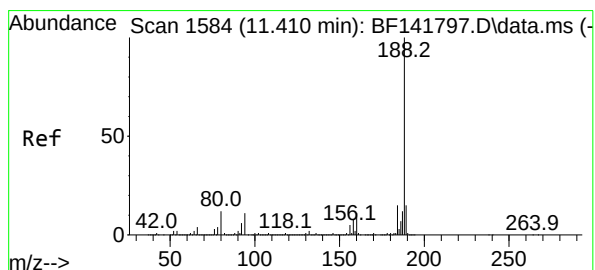
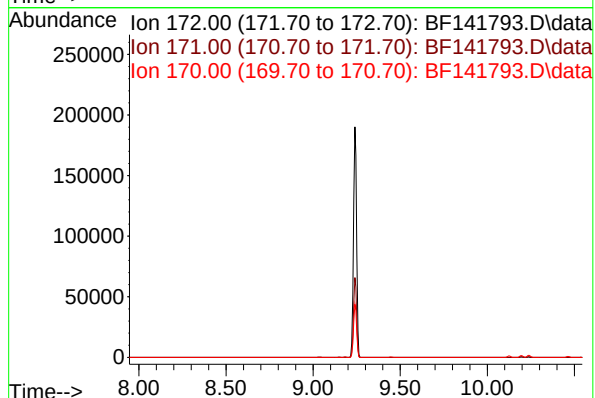
Tgt Ion: 172

Sig Exp Ratio

172 100

171 36.5

170 24.6



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.410 min Scan# 1584

Delta R.T. -0.000 min

Lab File: BF141793.D

Acq: 27 Feb 2025 15:17

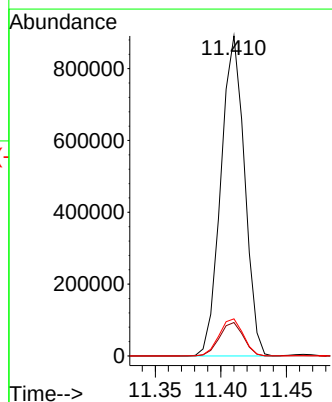
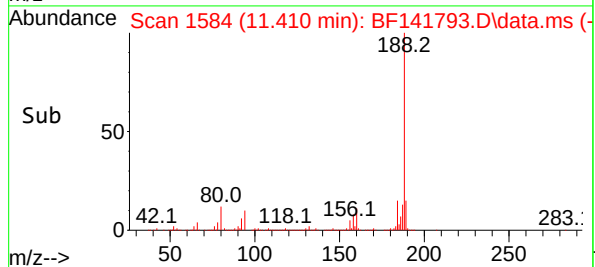
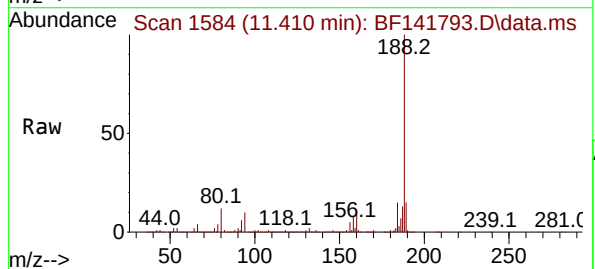
Tgt Ion:188 Resp: 1119232

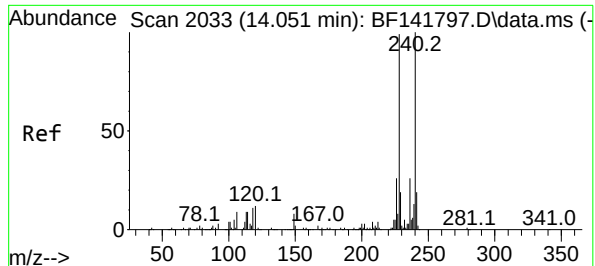
Ion Ratio Lower Upper

188 100

94 10.5 8.9 13.3

80 11.6 9.7 14.5

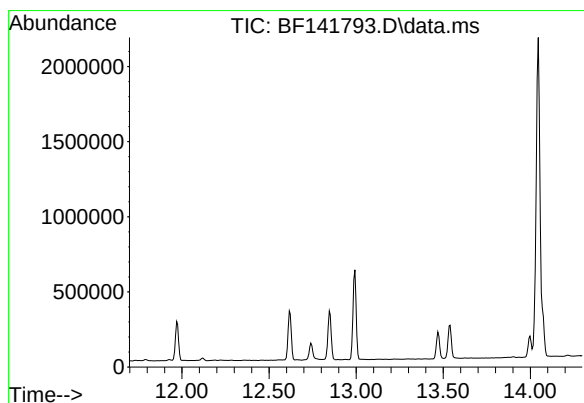
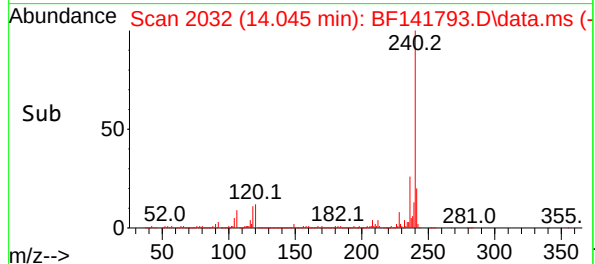
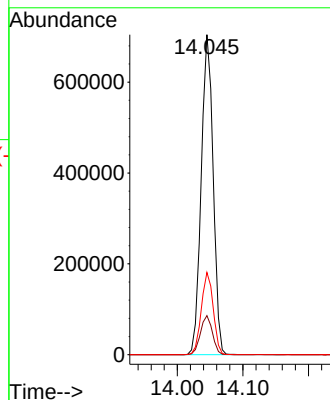
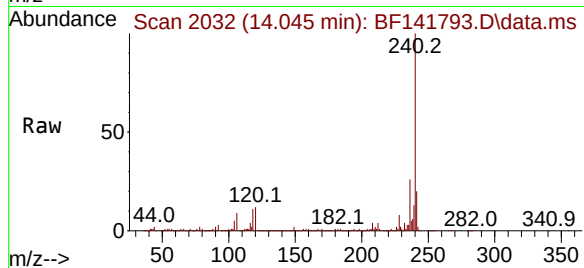




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.045 min Scan# 20  
Delta R.T. -0.006 min  
Lab File: BF141793.D  
Acq: 27 Feb 2025 15:17

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC2.5

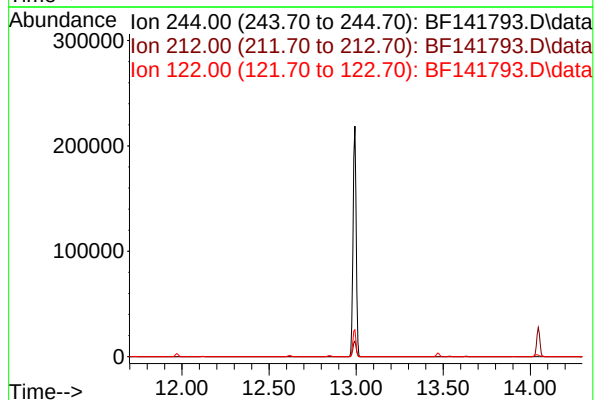
Tgt Ion:240 Resp: 894958  
Ion Ratio Lower Upper  
240 100  
120 12.2 9.7 14.5  
236 25.7 21.0 31.4



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

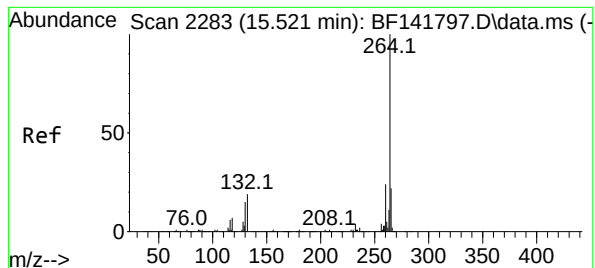
Lab File: BF141793.D  
Acq: 27 Feb 2025 15:17

Tgt Ion: 244  
Sig Exp Ratio  
244 100  
212 7.5  
122 11.3



Ion 212.00 (211.70 to 212.70): BF141793.D\data

Ion 122.00 (121.70 to 122.70): BF141793.D\data



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.521 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF141793.D

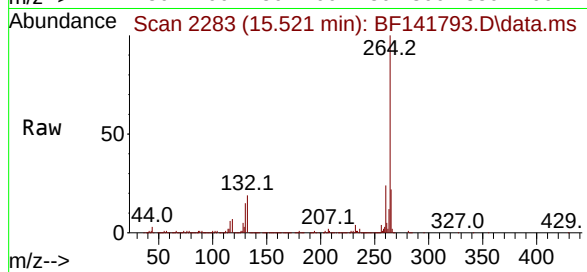
Acq: 27 Feb 2025 15:17

Instrument :

BNA\_F

ClientSampleId :

SSTDICC2.5



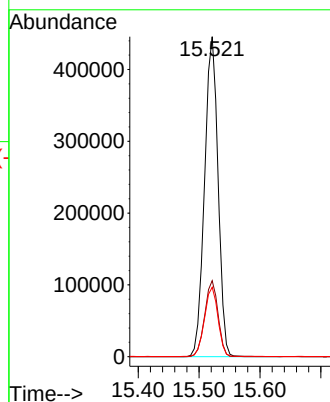
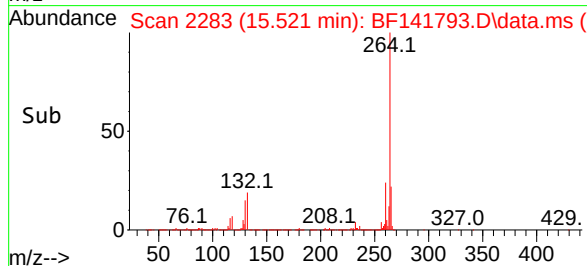
Tgt Ion:264 Resp: 684814

Ion Ratio Lower Upper

264 100

260 23.8 18.9 28.3

265 21.7 17.4 26.0





Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF022725\  
 Data File : BF141794.D  
 Acq On : 27 Feb 2025 15:46  
 Operator : RC/JU  
 Sample : SSTDICC005  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDICC005

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 02/28/2025  
 Supervised By :mohammad ahmed 02/28/2025

Quant Time: Feb 28 01:23:30 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF022725.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Feb 28 01:19:57 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.887  | 152  | 281554   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.169  | 136  | 1128074  | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.922  | 164  | 643922   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.410 | 188  | 1101046  | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 14.045 | 240  | 852555   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12              | 15.521 | 264  | 648925   | 20.000 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.493  | 112  | 189803   | 10.766 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.493  | 99   | 246391   | 10.737 | ng    | -0.02    |
| 23) Nitrobenzene-d5           | 7.440  | 82   | 139940   | 7.929  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 10.704 | 330  | 56406    | 9.331  | ng    | -0.01    |
| 45) 2-Fluorobiphenyl          | 9.239  | 172  | 464621   | 11.570 | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.992 | 244  | 532855   | 10.112 | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.687  | 88   | 43124    | 5.391  | ng    | 98       |
| 3) Pyridine                   | 3.458  | 79   | 98722    | 4.960  | ng    | 97       |
| 4) n-Nitrosodimethylamine     | 3.381  | 42   | 44659    | 4.663  | ng    | # 97     |
| 6) Aniline                    | 6.546  | 93   | 122918m  | 5.180  | ng    |          |
| 8) 2-Chlorophenol             | 6.663  | 128  | 101533   | 5.324  | ng    | 98       |
| 9) Benzaldehyde               | 6.434  | 77   | 81024    | 6.070  | ng    | 99       |
| 10) Phenol                    | 6.504  | 94   | 130523m  | 5.339  | ng    |          |
| 11) bis(2-Chloroethyl)ether   | 6.616  | 93   | 96953    | 5.187  | ng    | 100      |
| 12) 1,3-Dichlorobenzene       | 6.828  | 146  | 108688   | 5.321  | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 6.904  | 146  | 109382   | 5.315  | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 7.057  | 146  | 105070   | 5.468  | ng    | 98       |
| 15) Benzyl Alcohol            | 7.016  | 79   | 94845    | 5.172  | ng    | 99       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.163  | 45   | 150528   | 5.303  | ng    | 100      |
| 17) 2-Methylphenol            | 7.122  | 107  | 81304    | 5.165  | ng    | 97       |
| 18) Hexachloroethane          | 7.404  | 117  | 39359    | 5.110  | ng    | 99       |
| 19) n-Nitroso-di-n-propyla... | 7.287  | 70   | 79943    | 5.300  | ng    | 99       |
| 20) 3+4-Methylphenols         | 7.275  | 107  | 106084   | 5.412  | ng    | 93       |
| 22) Acetophenone              | 7.287  | 105  | 152122   | 5.537  | ng    | # 97     |
| 24) Nitrobenzene              | 7.463  | 77   | 76930    | 4.071  | ng    | 96       |
| 25) Isophorone                | 7.698  | 82   | 197960   | 5.221  | ng    | 99       |
| 26) 2-Nitrophenol             | 7.781  | 139  | 22354    | 6.947  | ng    | 97       |
| 27) 2,4-Dimethylphenol        | 7.810  | 122  | 72631    | 5.211  | ng    | 99       |
| 28) bis(2-Chloroethoxy)met... | 7.910  | 93   | 130473   | 5.395  | ng    | 98       |
| 29) 2,4-Dichlorophenol        | 8.016  | 162  | 79008    | 4.914  | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 8.110  | 180  | 92399    | 5.244  | ng    | 98       |
| 31) Naphthalene               | 8.192  | 128  | 321546   | 5.546  | ng    | 98       |
| 33) 4-Chloroaniline           | 8.234  | 127  | 113407   | 5.335  | ng    | 98       |
| 34) Hexachlorobutadiene       | 8.310  | 225  | 56205    | 5.134  | ng    | 99       |
| 35) Caprolactam               | 8.557  | 113  | 24467    | 4.946  | ng    | 95       |
| 36) 4-Chloro-3-methylphenol   | 8.698  | 107  | 93983    | 5.262  | ng    | 97       |
| 37) 2-Methylnaphthalene       | 8.881  | 142  | 214971   | 5.653  | ng    | 97       |
| 38) 1-Methylnaphthalene       | 8.981  | 142  | 207097   | 5.676  | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 9.045  | 216  | 98100    | 5.275  | ng    | 97       |
| 41) Hexachlorocyclopentadiene | 9.034  | 237  | 34990    | 4.508  | ng    | 98       |
| 43) 2,4,6-Trichlorophenol     | 9.151  | 196  | 57097    | 4.753  | ng    | 98       |
| 44) 2,4,5-Trichlorophenol     | 9.187  | 196  | 55979    | 4.706  | ng    | 98       |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF022725\  
 Data File : BF141794.D  
 Acq On : 27 Feb 2025 15:46  
 Operator : RC/JU  
 Sample : SSTDICC005  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDICC005

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 02/28/2025  
 Supervised By :mohammad ahmed 02/28/2025

Quant Time: Feb 28 01:23:30 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF022725.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Feb 28 01:19:57 2025  
 Response via : Initial Calibration

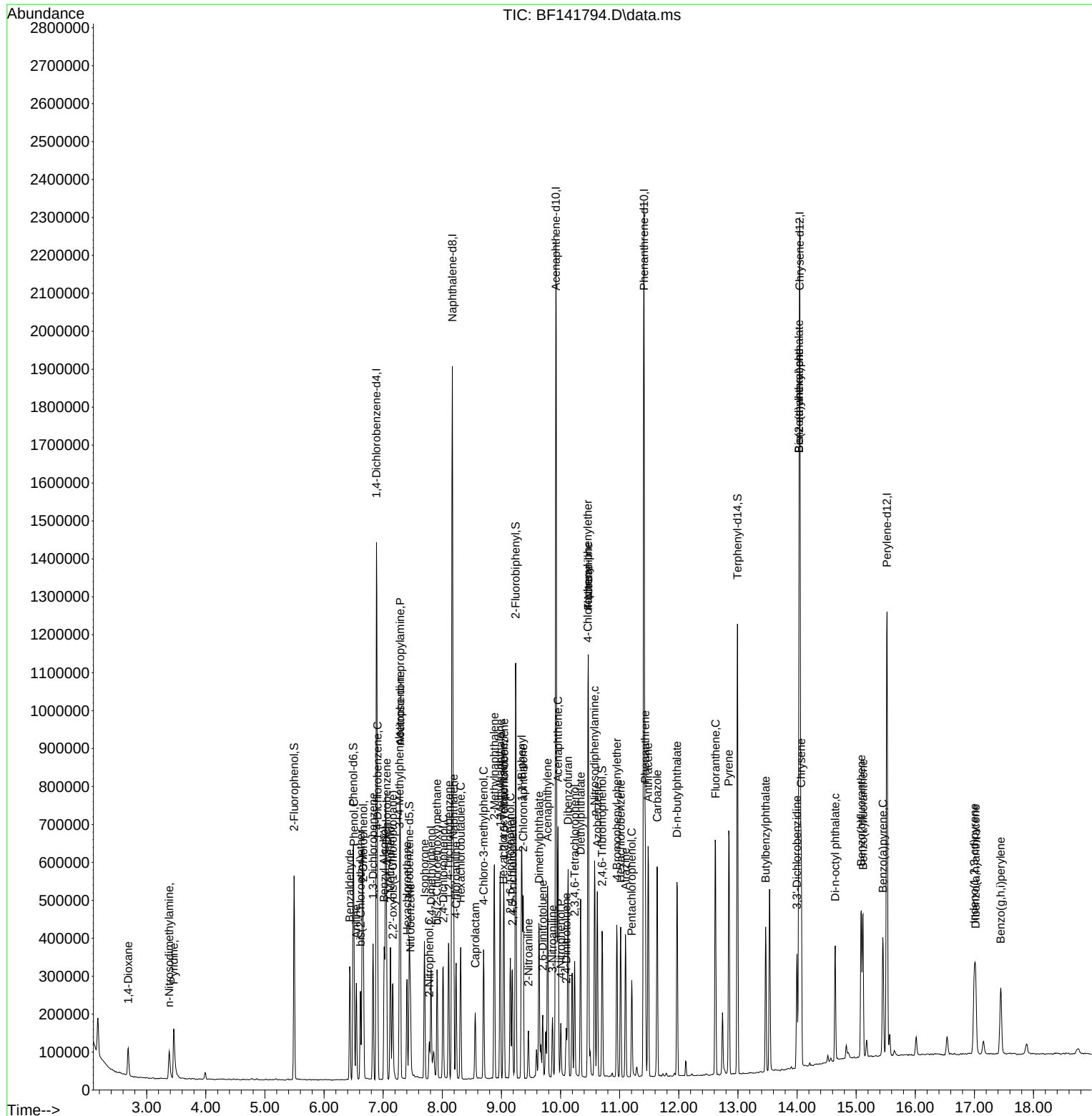
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| 46) 1,1'-Biphenyl             | 9.345  | 154  | 272648   | 5.563 | ng    | 97       |
| 47) 2-Chloronaphthalene       | 9.369  | 162  | 194915   | 5.388 | ng    | 97       |
| 48) 2-Nitroaniline            | 9.457  | 65   | 24463    | 6.586 | ng    | 98       |
| 49) Acenaphthylene            | 9.781  | 152  | 297257   | 5.481 | ng    | 98       |
| 50) Dimethylphthalate         | 9.639  | 163  | 230425   | 5.344 | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 9.698  | 165  | 21902    | 5.327 | ng    | 98       |
| 52) Acenaphthene              | 9.957  | 154  | 195912   | 5.353 | ng    | 97       |
| 53) 3-Nitroaniline            | 9.863  | 138  | 23458    | 5.471 | ng    | # 83     |
| 55) Dibenzofuran              | 10.128 | 168  | 297756   | 5.590 | ng    | 96       |
| 56) 4-Nitrophenol             | 10.004 | 139  | 20838    | 3.272 | ng    | 91       |
| 57) 2,4-Dinitrotoluene        | 10.098 | 165  | 24255    | 5.755 | ng    | # 96     |
| 58) Fluorene                  | 10.469 | 166  | 230713   | 5.782 | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.239 | 232  | 50417    | 4.873 | ng    | 99       |
| 60) Diethylphthalate          | 10.339 | 149  | 230060   | 5.322 | ng    | 98       |
| 61) 4-Chlorophenyl-phenyle... | 10.463 | 204  | 111169   | 5.561 | ng    | 98       |
| 62) 4-Nitroaniline            | 10.469 | 138  | 24006    | 3.260 | ng    | # 84     |
| 63) Azobenzene                | 10.622 | 77   | 248519   | 5.460 | ng    | 98       |
| 66) n-Nitrosodiphenylamine    | 10.575 | 169  | 193204   | 5.344 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 10.951 | 248  | 66312    | 5.156 | ng    | 99       |
| 68) Hexachlorobenzene         | 11.016 | 284  | 69598    | 5.125 | ng    | 100      |
| 69) Atrazine                  | 11.098 | 200  | 58634    | 5.897 | ng    | 98       |
| 70) Pentachlorophenol         | 11.204 | 266  | 37669    | 4.373 | ng    | 99       |
| 71) Phenanthrene              | 11.433 | 178  | 326529   | 5.544 | ng    | 99       |
| 72) Anthracene                | 11.481 | 178  | 331149   | 5.610 | ng    | 98       |
| 73) Carbazole                 | 11.633 | 167  | 295693   | 5.673 | ng    | 98       |
| 74) Di-n-butylphthalate       | 11.969 | 149  | 367349   | 5.560 | ng    | 99       |
| 75) Fluoranthene              | 12.622 | 202  | 353684   | 5.861 | ng    | 97       |
| 78) Pyrene                    | 12.845 | 202  | 361938   | 4.903 | ng    | 98       |
| 80) Butylbenzylphthalate      | 13.469 | 149  | 116439   | 4.341 | ng    | 99       |
| 81) Benzo(a)anthracene        | 14.033 | 228  | 291373   | 5.174 | ng    | 98       |
| 82) 3,3'-Dichlorobenzidine    | 13.998 | 252  | 86483    | 5.353 | ng    | 97       |
| 83) Chrysene                  | 14.069 | 228  | 277632   | 5.348 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 14.033 | 149  | 149689   | 4.482 | ng    | 99       |
| 85) Di-n-octyl phthalate      | 14.645 | 149  | 192390   | 3.848 | ng    | 99       |
| 87) Indeno(1,2,3-cd)pyrene    | 16.998 | 276  | 178035   | 4.309 | ng    | 99       |
| 88) Benzo(b)fluoranthene      | 15.086 | 252  | 233991   | 5.294 | ng    | 98       |
| 89) Benzo(k)fluoranthene      | 15.116 | 252  | 206614   | 5.499 | ng    | 100      |
| 90) Benzo(a)pyrene            | 15.451 | 252  | 180486   | 5.091 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 17.021 | 278  | 146279   | 4.337 | ng    | 97       |
| 92) Benzo(g,h,i)perylene      | 17.445 | 276  | 145755   | 4.218 | ng    | 99       |

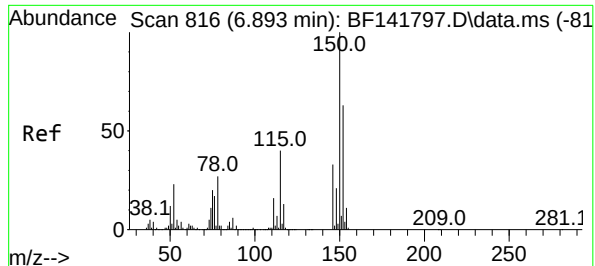
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

## Manual Integrations

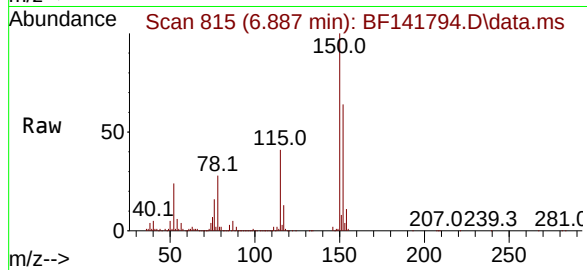
Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025





#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.887 min Scan# 816  
Delta R.T. -0.006 min  
Lab File: BF141794.D  
Acq: 27 Feb 2025 15:46

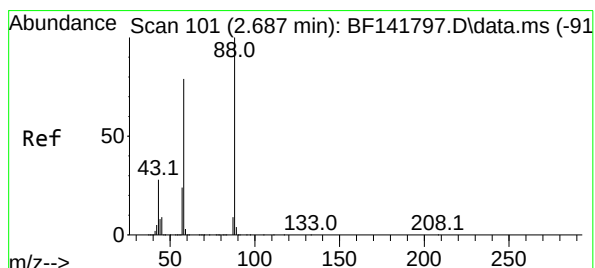
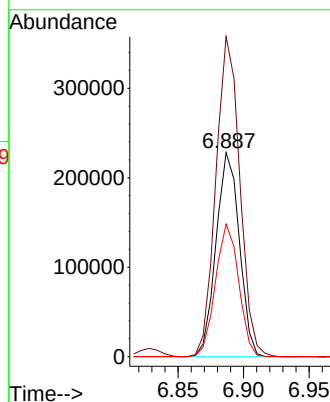
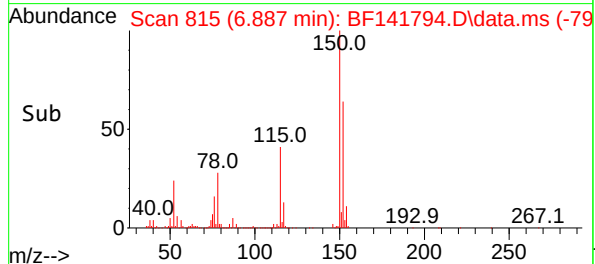
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDIC005



Tgt Ion:152 Resp: 281554  
Ion Ratio Lower Upper  
152 100  
150 156.8 127.5 191.3  
115 65.0 51.4 77.2

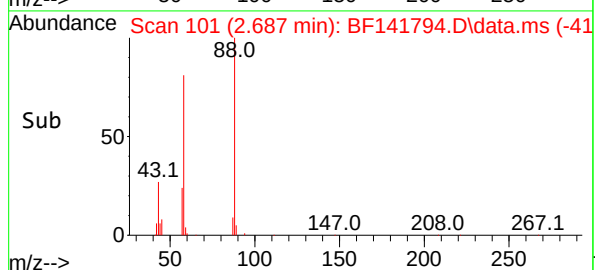
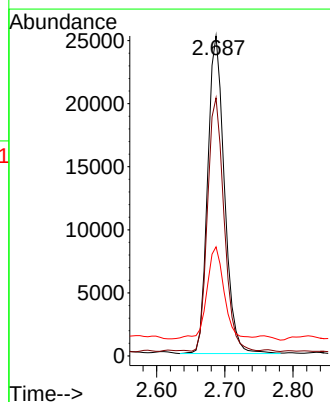
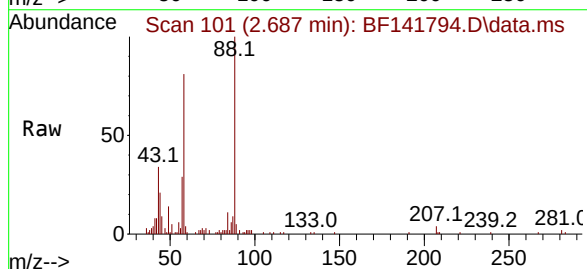
Manual Integrations  
APPROVED

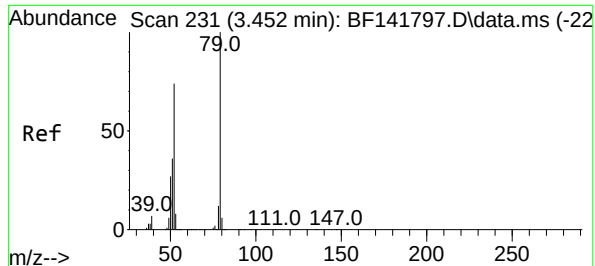
Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025



#2  
1,4-Dioxane  
Concen: 5.391 ng  
RT: 2.687 min Scan# 101  
Delta R.T. -0.000 min  
Lab File: BF141794.D  
Acq: 27 Feb 2025 15:46

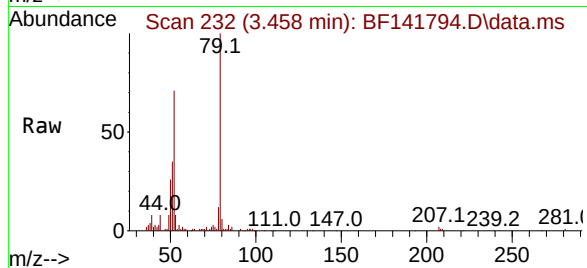
Tgt Ion: 88 Resp: 43124  
Ion Ratio Lower Upper  
88 100  
58 78.5 63.9 95.9  
43 29.6 23.0 34.6





#3  
Pyridine  
Concen: 4.960 ng  
RT: 3.458 min Scan# 219  
Delta R.T. 0.006 min  
Lab File: BF141794.D  
Acq: 27 Feb 2025 15:46

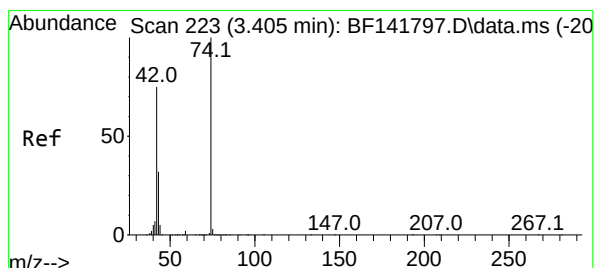
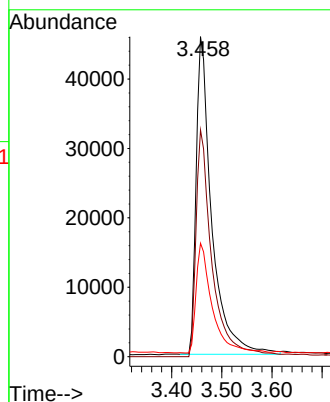
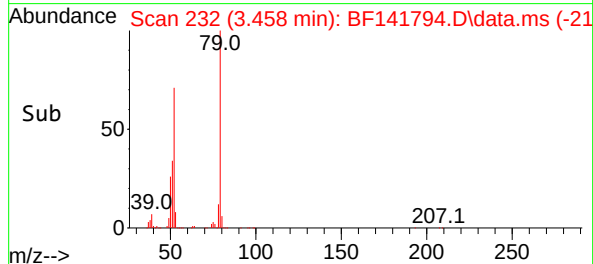
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC005



Tgt Ion: 79 Resp: 9872  
Ion Ratio Lower Upper  
79 100  
52 70.9 59.0 88.4  
51 35.5 29.0 43.4

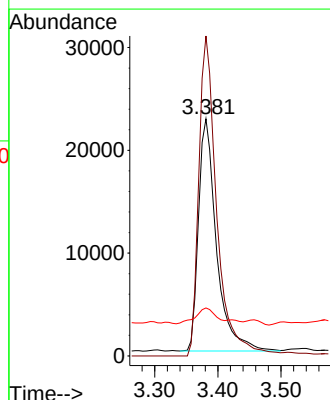
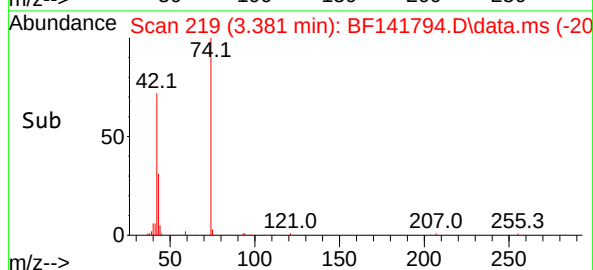
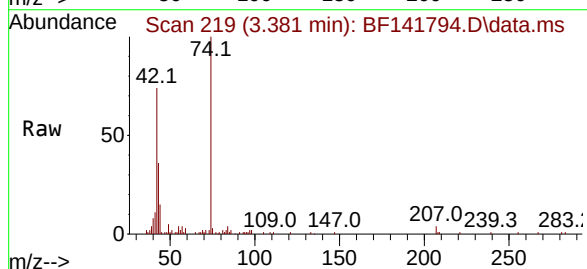
Manual Integrations  
APPROVED

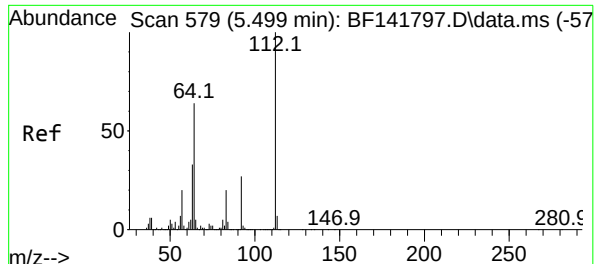
Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025



#4  
n-Nitrosodimethylamine  
Concen: 4.663 ng  
RT: 3.381 min Scan# 219  
Delta R.T. -0.024 min  
Lab File: BF141794.D  
Acq: 27 Feb 2025 15:46

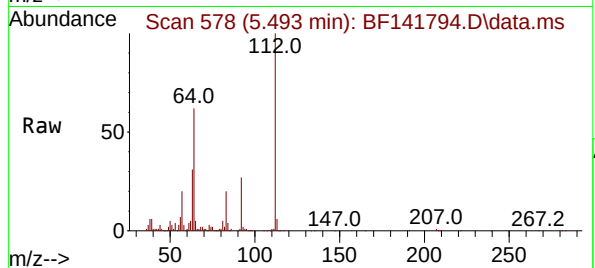
Tgt Ion: 42 Resp: 44659  
Ion Ratio Lower Upper  
42 100  
74 134.9 107.1 160.7  
44 20.2 6.6 9.8





#5  
2-Fluorophenol  
Concen: 10.766 ng  
RT: 5.493 min Scan# 51  
Delta R.T. -0.006 min  
Lab File: BF141794.D  
Acq: 27 Feb 2025 15:46

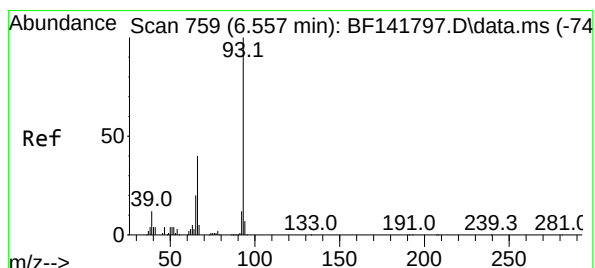
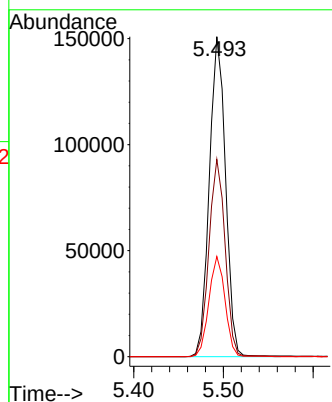
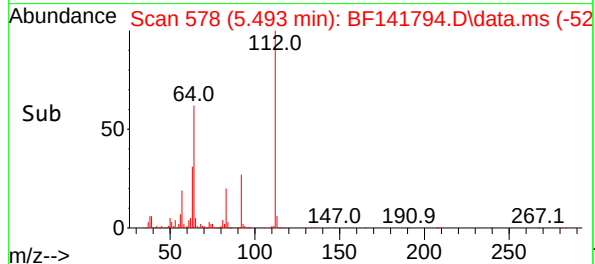
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC005



Tgt Ion:112 Resp: 18980  
Ion Ratio Lower Upper  
112 100  
64 61.7 51.3 76.9  
63 31.3 26.2 39.4

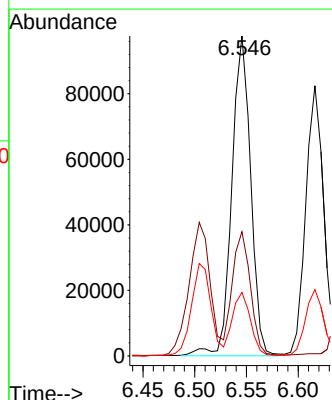
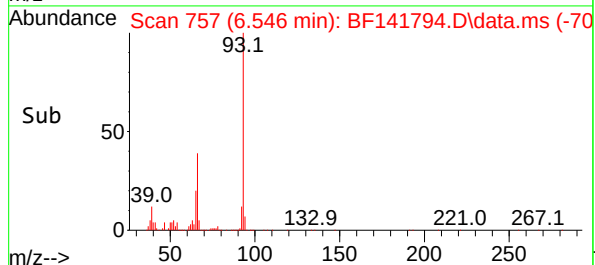
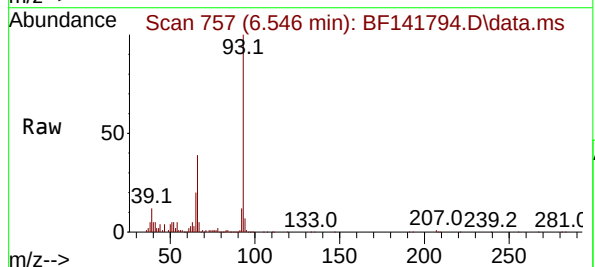
Manual Integrations  
APPROVED

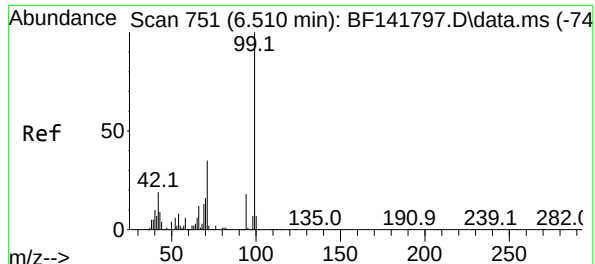
Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025



#6  
Aniline  
Concen: 5.180 ng m  
RT: 6.546 min Scan# 757  
Delta R.T. -0.012 min  
Lab File: BF141794.D  
Acq: 27 Feb 2025 15:46

Tgt Ion: 93 Resp: 122918  
Ion Ratio Lower Upper  
93 100  
66 38.8 32.3 48.5  
65 19.9 15.9 23.9





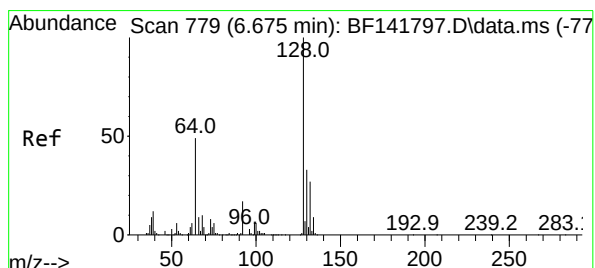
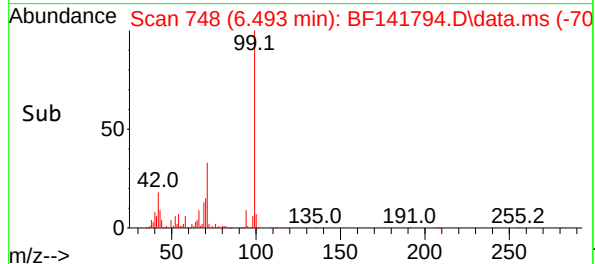
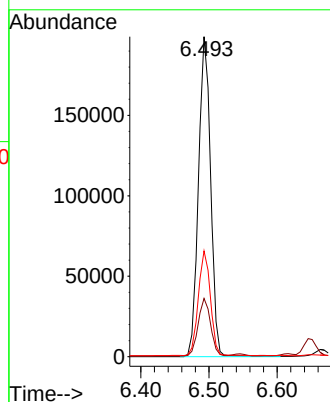
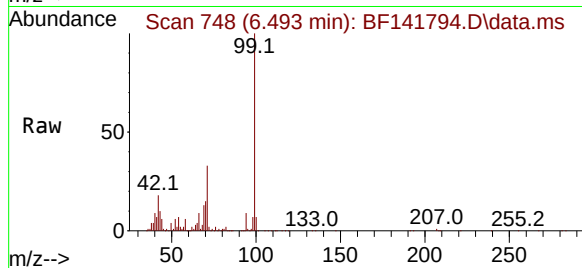
#7  
Phenol-d6  
Concen: 10.737 ng  
RT: 6.493 min Scan# 741  
Delta R.T. -0.018 min  
Lab File: BF141794.D  
Acq: 27 Feb 2025 15:46

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC005

Tgt Ion: 99 Resp: 24639  
Ion Ratio Lower Upper  
99 100  
42 18.2 15.2 22.8  
71 33.0 28.2 42.2

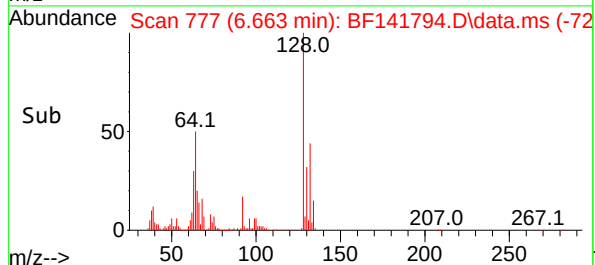
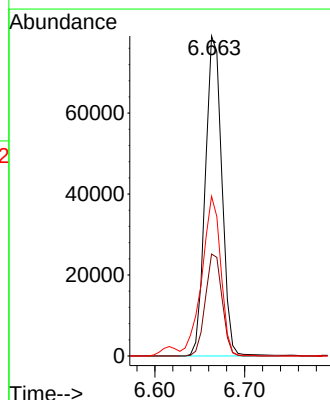
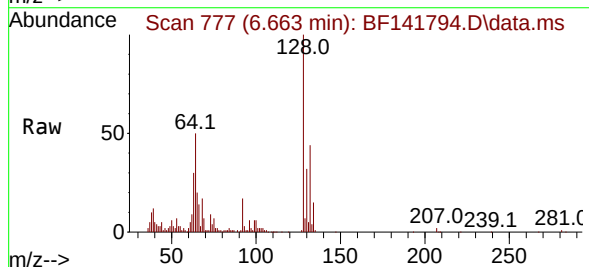
Manual Integrations  
APPROVED

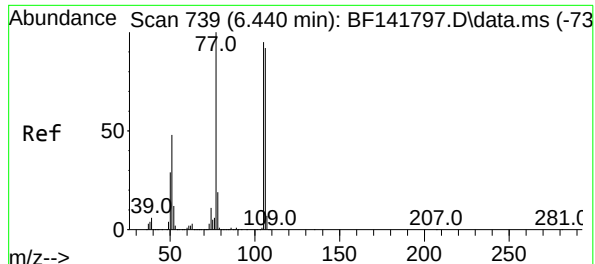
Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025



#8  
2-Chlorophenol  
Concen: 5.324 ng  
RT: 6.663 min Scan# 777  
Delta R.T. -0.012 min  
Lab File: BF141794.D  
Acq: 27 Feb 2025 15:46

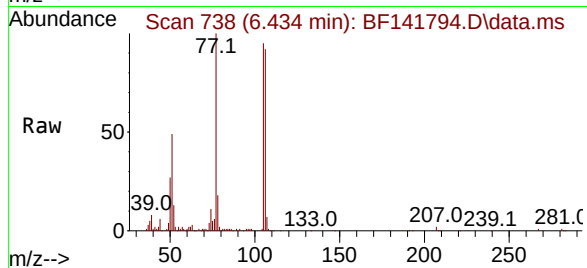
Tgt Ion:128 Resp: 101533  
Ion Ratio Lower Upper  
128 100  
130 31.8 12.6 52.6  
64 49.9 31.1 71.1





#9  
Benzaldehyde  
Concen: 6.070 ng  
RT: 6.434 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: BF141794.D  
Acq: 27 Feb 2025 15:46

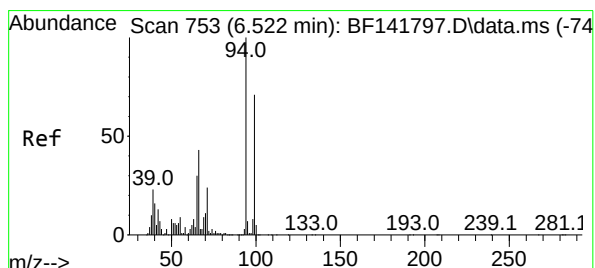
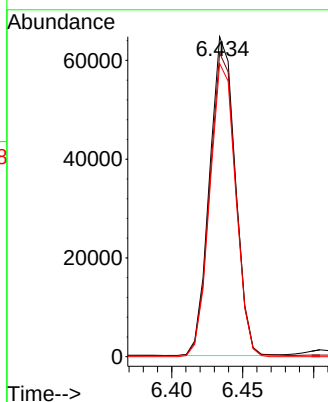
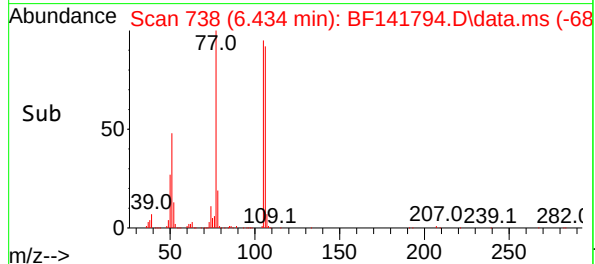
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC005



Tgt Ion: 77 Resp: 81024  
Ion Ratio Lower Upper  
77 100  
105 94.9 75.3 115.3  
106 91.6 72.3 112.3

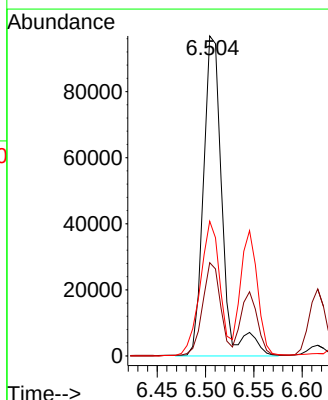
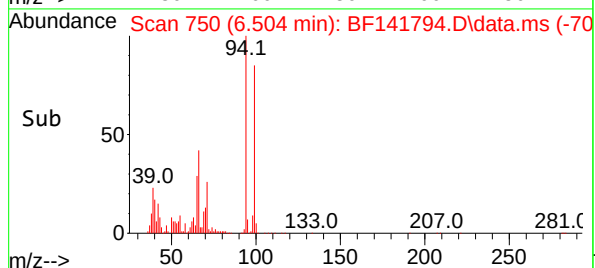
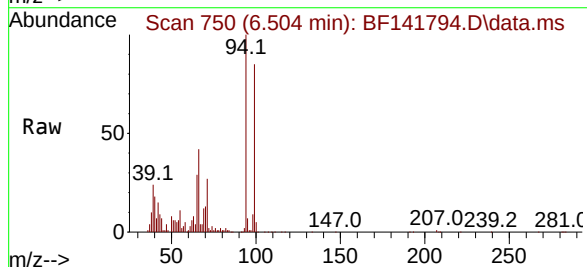
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025

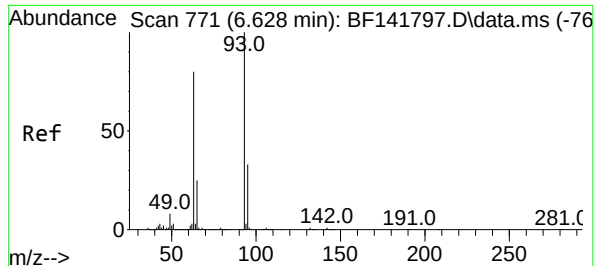


#10  
Phenol  
Concen: 5.339 ng m  
RT: 6.504 min Scan# 750  
Delta R.T. -0.018 min  
Lab File: BF141794.D  
Acq: 27 Feb 2025 15:46

Tgt Ion: 94 Resp: 130523  
Ion Ratio Lower Upper  
94 100  
65 29.1 10.2 50.2  
66 42.1 23.2 63.2

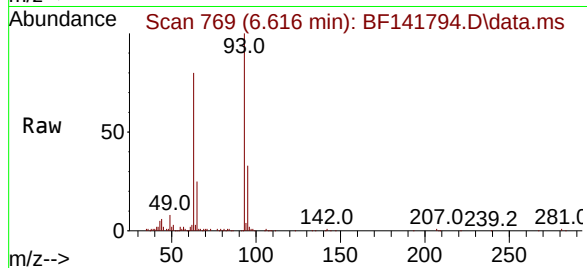






#11  
bis(2-Chloroethyl)ether  
Concen: 5.187 ng  
RT: 6.616 min Scan# 771  
Delta R.T. -0.012 min  
Lab File: BF141794.D  
Acq: 27 Feb 2025 15:46

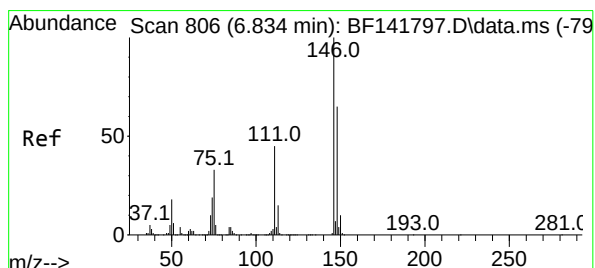
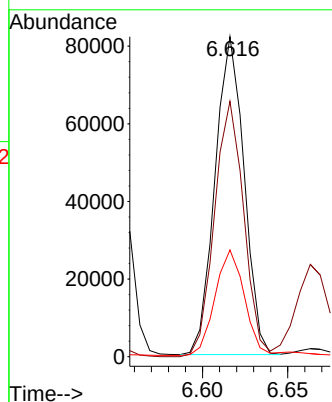
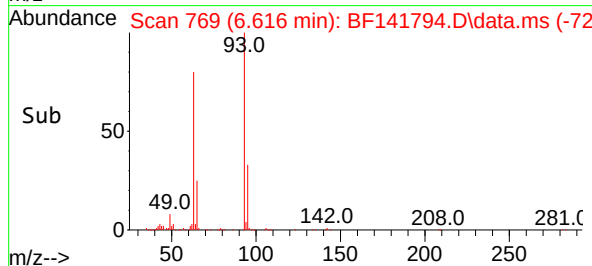
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC005



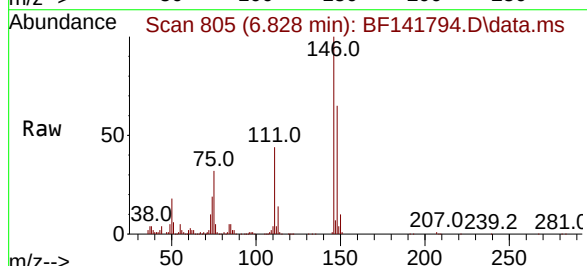
Tgt Ion: 93 Resp: 9695  
Ion Ratio Lower Upper  
93 100  
63 79.8 59.3 99.3  
95 33.3 13.2 53.2

Manual Integrations  
APPROVED

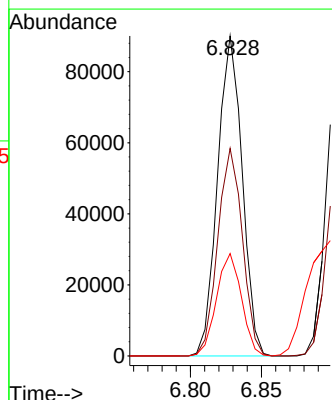
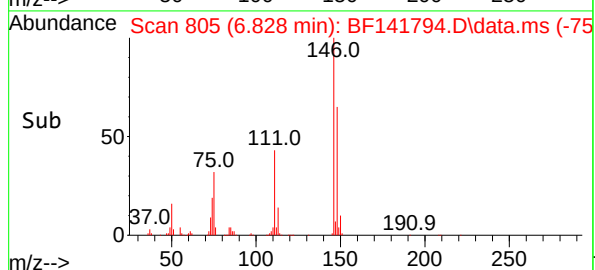
Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025

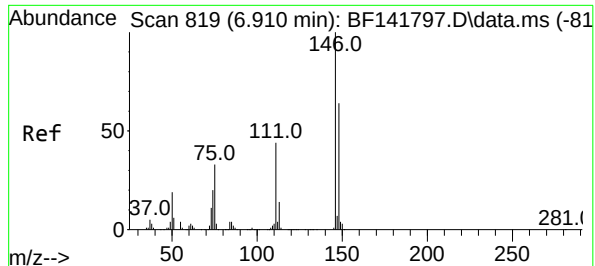


#12  
1,3-Dichlorobenzene  
Concen: 5.321 ng  
RT: 6.828 min Scan# 805  
Delta R.T. -0.006 min  
Lab File: BF141794.D  
Acq: 27 Feb 2025 15:46



Tgt Ion:146 Resp: 108688  
Ion Ratio Lower Upper  
146 100  
148 64.9 51.8 77.6  
75 32.0 26.2 39.4





#13

1,4-Dichlorobenzene

Concen: 5.315 ng

RT: 6.904 min Scan# 819

Delta R.T. -0.006 min

Lab File: BF141794.D

Acq: 27 Feb 2025 15:46

Instrument :

BNA\_F

ClientSampleId :

SSTDICC005

Tgt Ion:146 Resp: 10938

Ion Ratio Lower Upper

146 100

148 65.0 51.4 77.2

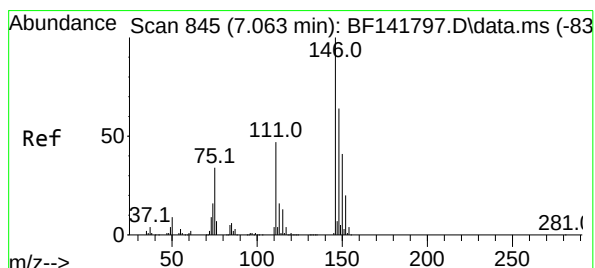
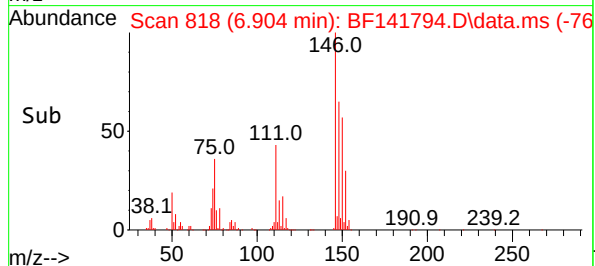
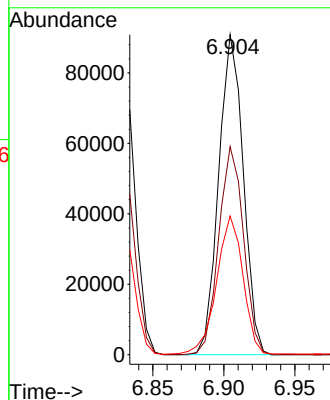
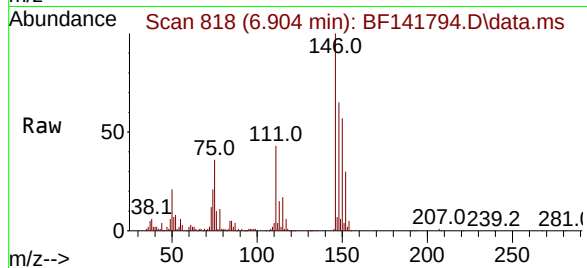
111 43.4 35.5 53.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/28/2025

Supervised By :mohammad ahmed 02/28/2025



#14

1,2-Dichlorobenzene

Concen: 5.468 ng

RT: 7.057 min Scan# 844

Delta R.T. -0.006 min

Lab File: BF141794.D

Acq: 27 Feb 2025 15:46

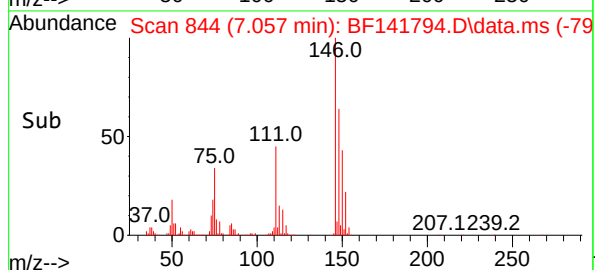
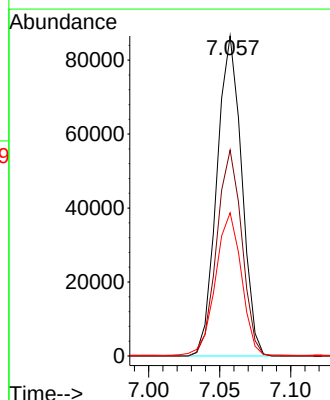
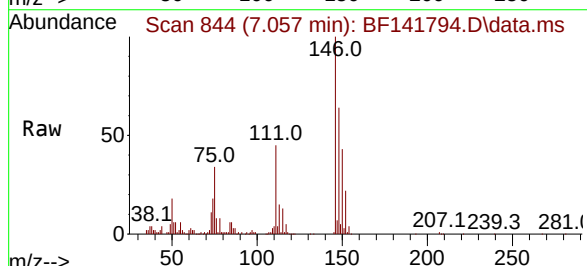
Tgt Ion:146 Resp: 105070

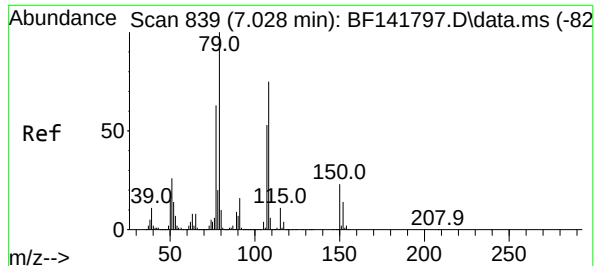
Ion Ratio Lower Upper

146 100

148 64.4 51.2 76.8

111 44.8 37.8 56.6





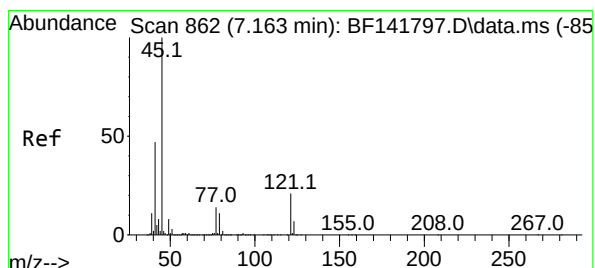
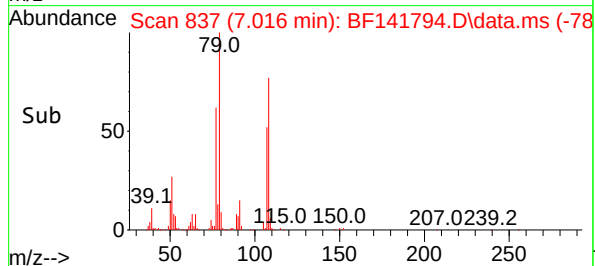
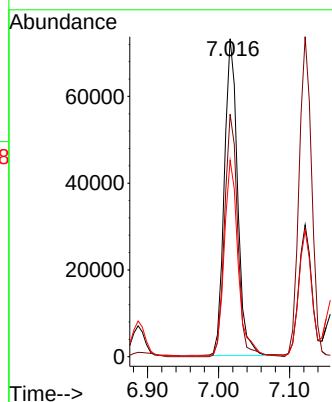
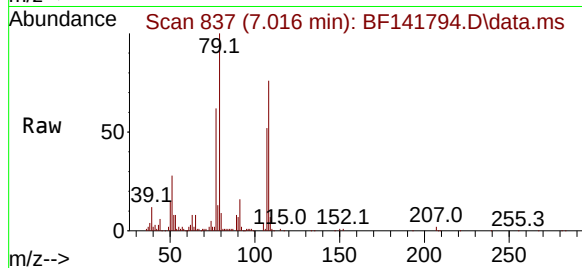
#15  
Benzyl Alcohol  
Concen: 5.172 ng  
RT: 7.016 min Scan# 81  
Delta R.T. -0.012 min  
Lab File: BF141794.D  
Acq: 27 Feb 2025 15:46

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC005

Tgt Ion: 79 Resp: 9484  
Ion Ratio Lower Upper  
79 100  
108 76.3 60.2 90.2  
77 61.8 50.2 75.2

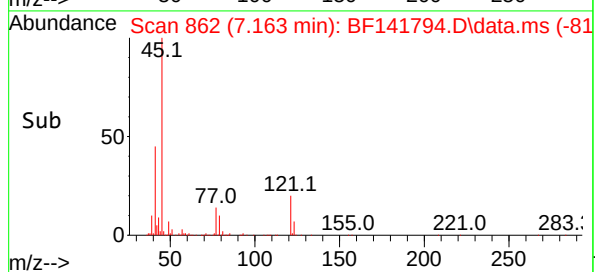
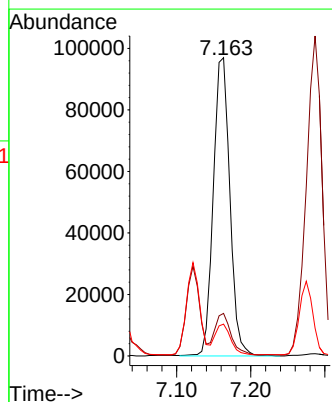
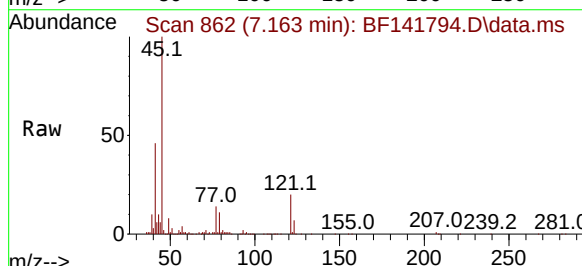
Manual Integrations  
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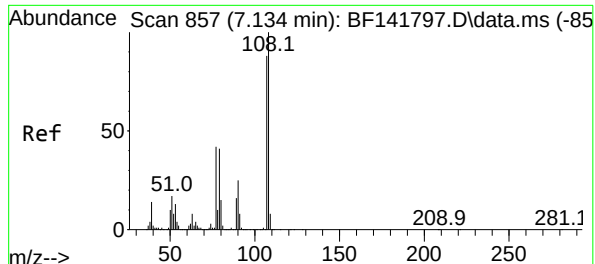
Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 5.303 ng  
RT: 7.163 min Scan# 862  
Delta R.T. -0.000 min  
Lab File: BF141794.D  
Acq: 27 Feb 2025 15:46

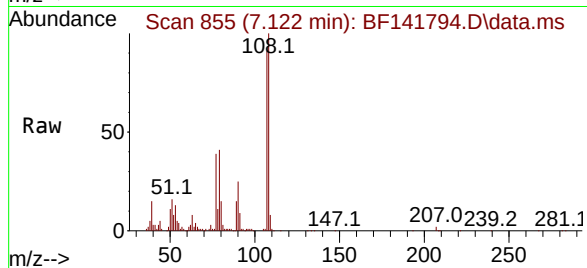
Tgt Ion: 45 Resp: 150528  
Ion Ratio Lower Upper  
45 100  
77 14.3 0.0 34.4  
79 10.7 0.0 30.9





#17  
2-Methylphenol  
Concen: 5.165 ng  
RT: 7.122 min Scan# 81  
Delta R.T. -0.012 min  
Lab File: BF141794.D  
Acq: 27 Feb 2025 15:46

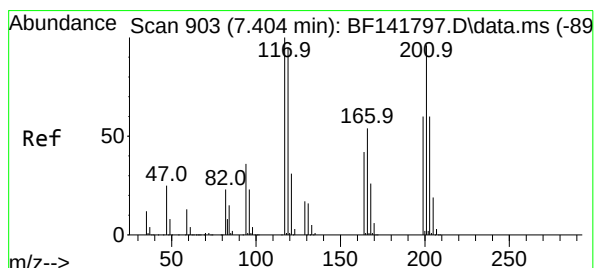
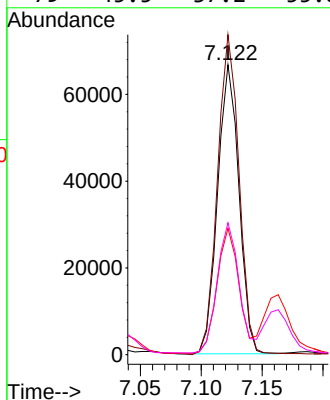
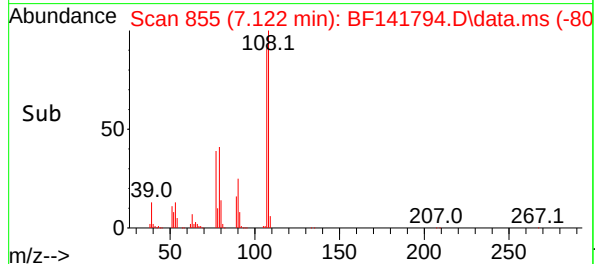
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC005



Tgt Ion:107 Resp: 81304  
Ion Ratio Lower Upper  
107 100  
108 110.4 90.6 135.8  
77 43.6 37.7 56.5  
79 45.5 37.2 55.8

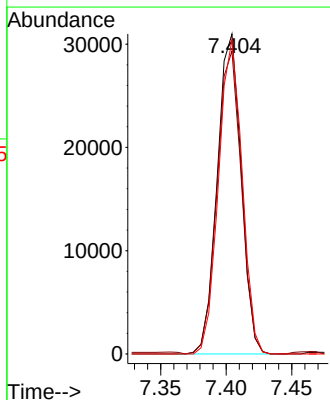
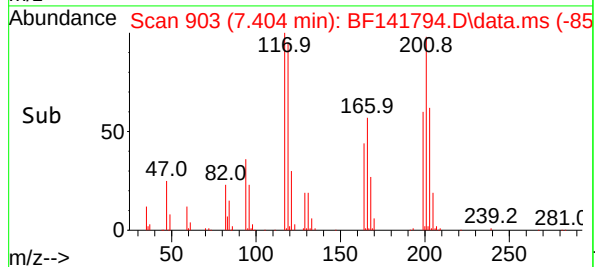
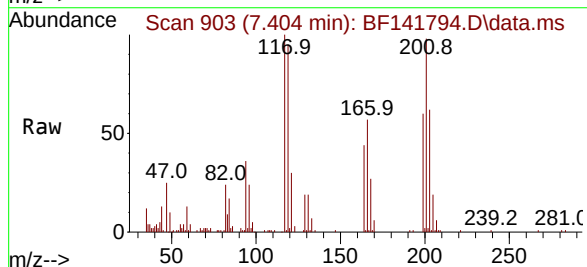
Manual Integrations  
APPROVED

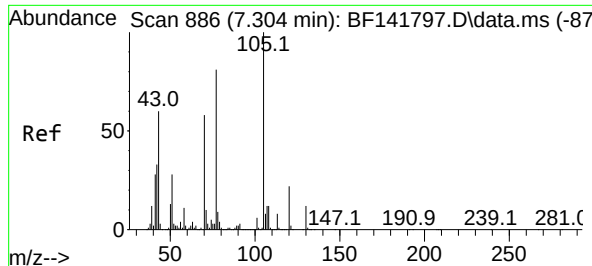
Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025



#18  
Hexachloroethane  
Concen: 5.110 ng  
RT: 7.404 min Scan# 903  
Delta R.T. -0.000 min  
Lab File: BF141794.D  
Acq: 27 Feb 2025 15:46

Tgt Ion:117 Resp: 39359  
Ion Ratio Lower Upper  
117 100  
119 94.7 75.8 113.8  
201 98.2 76.7 115.1





#19

n-Nitroso-di-n-propylamine

Concen: 5.300 ng

RT: 7.287 min Scan# 886

Delta R.T. -0.018 min

Lab File: BF141794.D

Acq: 27 Feb 2025 15:46

Instrument :

BNA\_F

ClientSampleId :

SSTDICC005

Tgt Ion: 70 Resp: 7994

Ion Ratio Lower Upper

70 100

42 57.7 45.4 68.0

101 9.6 7.8 11.8

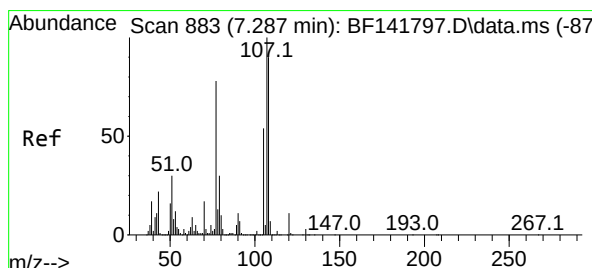
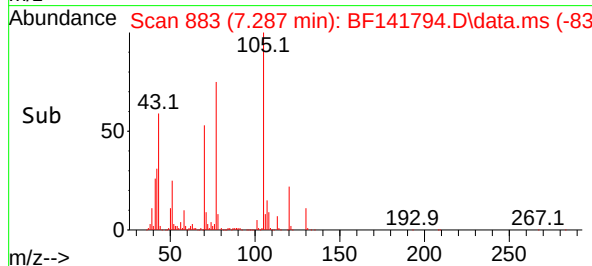
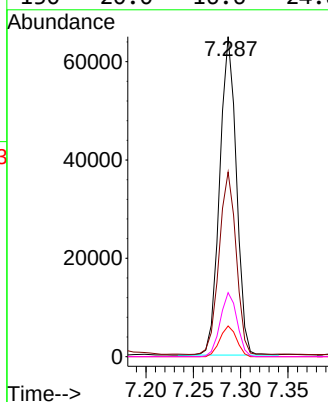
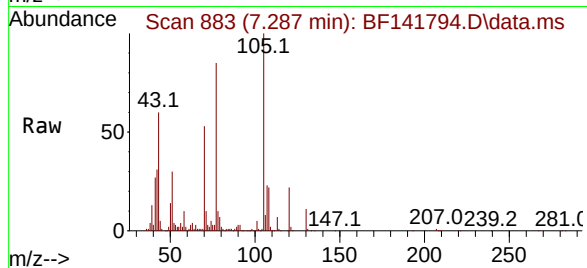
130 20.0 16.6 24.8

Manual Integrations

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Reviewed By :Yogesh Patel 02/28/2025

Supervised By :mohammad ahmed 02/28/2025



#20

3+4-Methylphenols

Concen: 5.412 ng

RT: 7.275 min Scan# 881

Delta R.T. -0.012 min

Lab File: BF141794.D

Acq: 27 Feb 2025 15:46

Tgt Ion:107 Resp: 106084

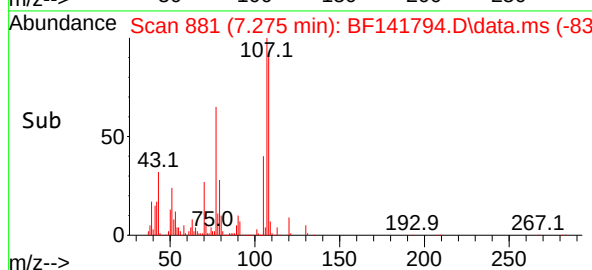
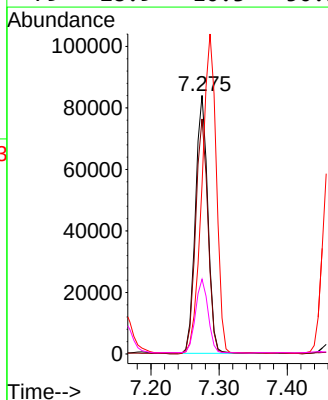
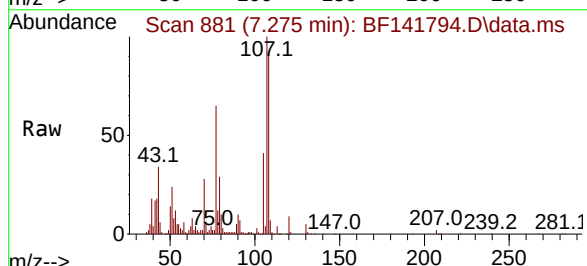
Ion Ratio Lower Upper

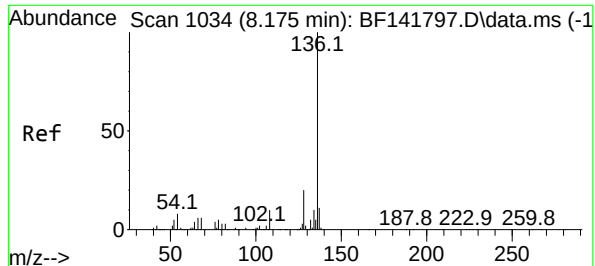
107 100

108 90.9 69.7 109.7

77 65.5 58.3 98.3

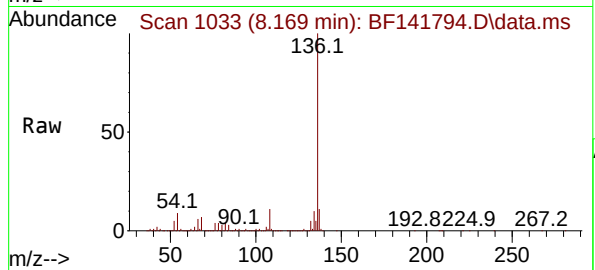
79 28.9 10.3 50.3





#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.169 min Scan# 1033  
Delta R.T. -0.006 min  
Lab File: BF141794.D  
Acq: 27 Feb 2025 15:46

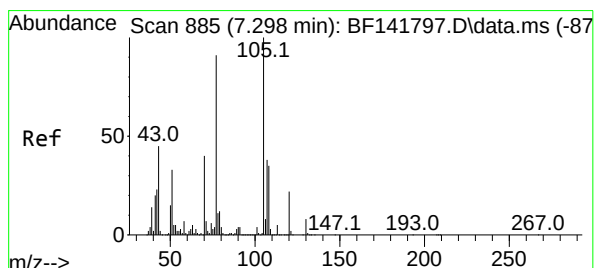
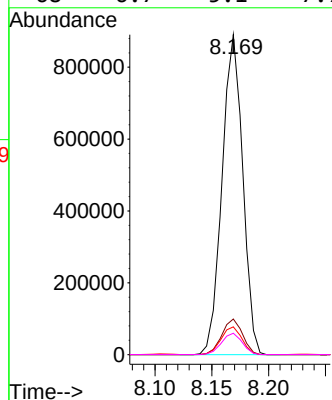
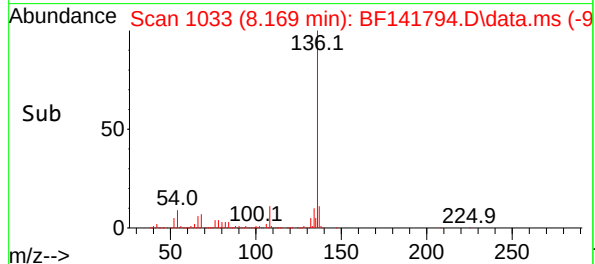
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC005



Tgt Ion:136 Resp: 1128074  
Ion Ratio Lower Upper  
136 100  
137 11.1 8.9 13.3  
54 8.7 6.9 10.3  
68 6.7 5.1 7.7

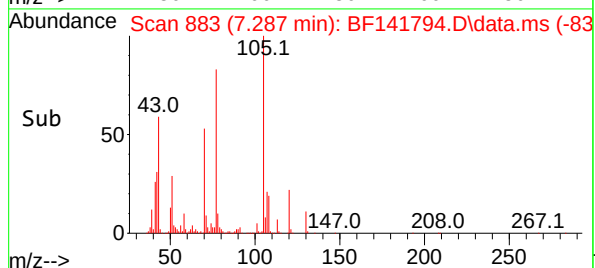
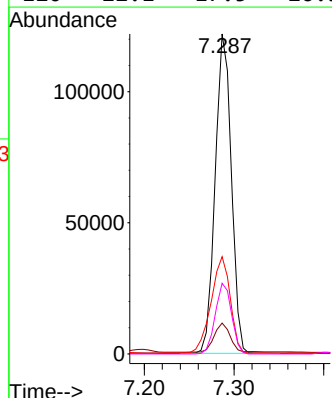
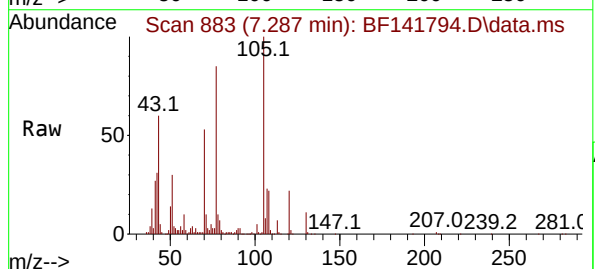
Manual Integrations  
APPROVED

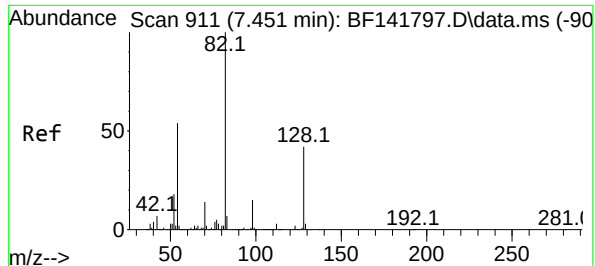
Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025



#22  
Acetophenone  
Concen: 5.537 ng  
RT: 7.287 min Scan# 883  
Delta R.T. -0.012 min  
Lab File: BF141794.D  
Acq: 27 Feb 2025 15:46

Tgt Ion:105 Resp: 152122  
Ion Ratio Lower Upper  
105 100  
71 9.7 5.4 8.0#  
51 30.4 26.1 39.1  
120 22.1 17.5 26.3





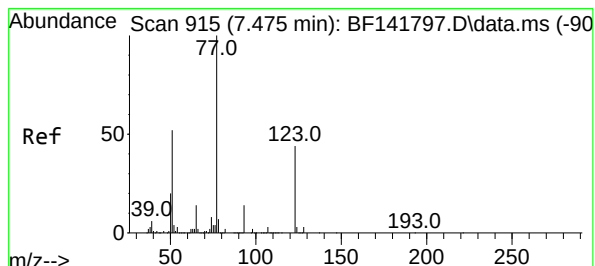
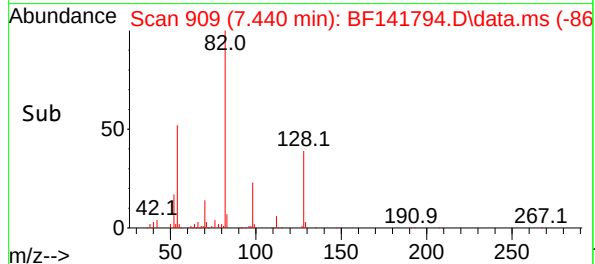
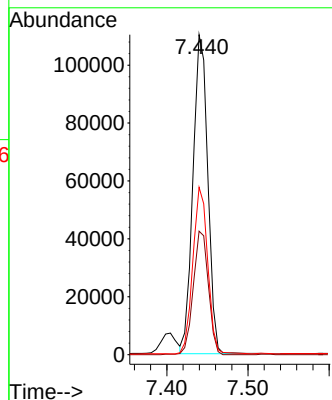
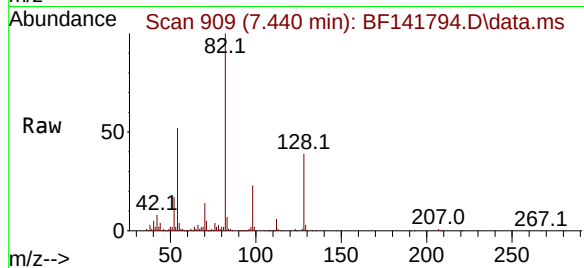
#23  
Nitrobenzene-d5  
Concen: 7.929 ng  
RT: 7.440 min Scan# 909  
Delta R.T. -0.012 min  
Lab File: BF141794.D  
Acq: 27 Feb 2025 15:46

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC005

Tgt Ion: 82 Resp: 139940  
Ion Ratio Lower Upper  
82 100  
128 38.6 33.5 50.3  
54 52.3 42.7 64.1

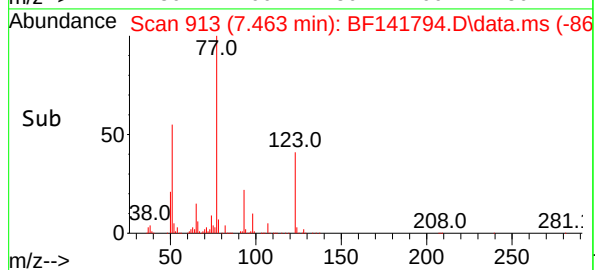
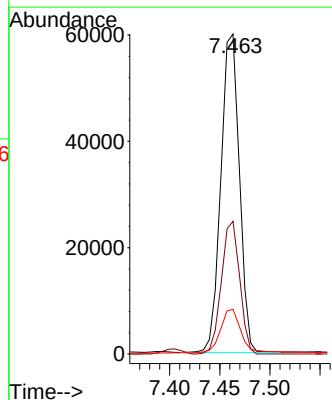
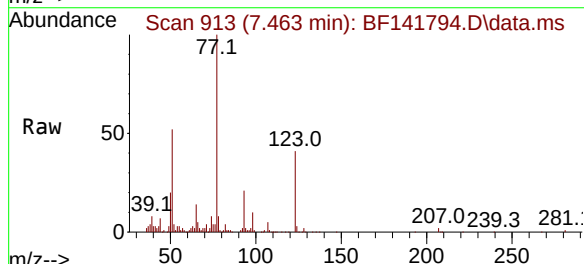
Manual Integrations  
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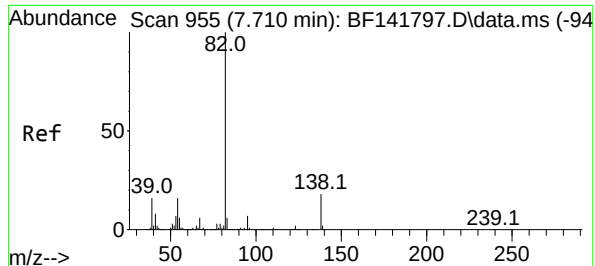
Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025



#24  
Nitrobenzene  
Concen: 4.071 ng  
RT: 7.463 min Scan# 913  
Delta R.T. -0.012 min  
Lab File: BF141794.D  
Acq: 27 Feb 2025 15:46

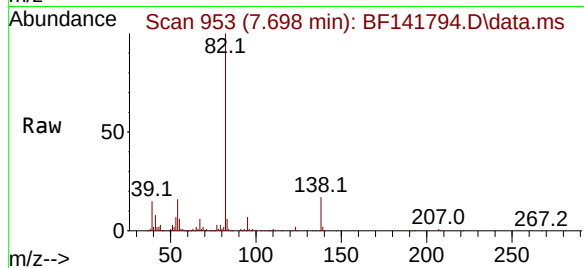
Tgt Ion: 77 Resp: 76930  
Ion Ratio Lower Upper  
77 100  
123 41.5 35.8 53.8  
65 13.9 11.2 16.8





#25  
Isophorone  
Concen: 5.221 ng  
RT: 7.698 min Scan# 91  
Delta R.T. -0.012 min  
Lab File: BF141794.D  
Acq: 27 Feb 2025 15:46

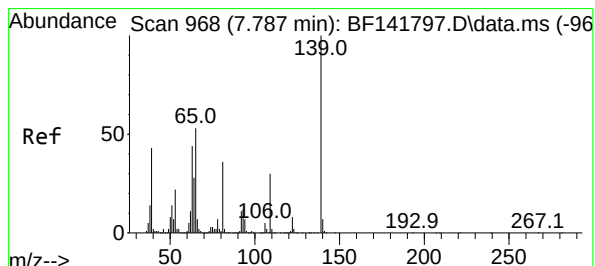
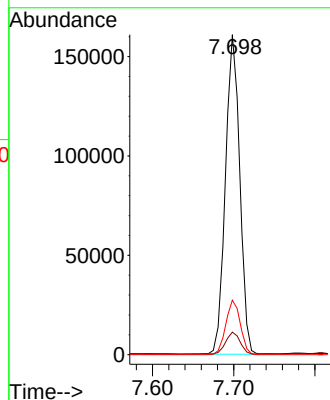
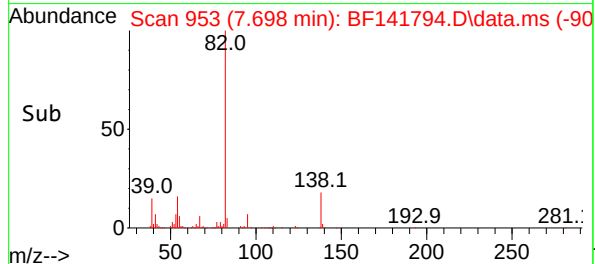
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC005



Tgt Ion: 82 Resp: 197960  
Ion Ratio Lower Upper  
82 100  
95 7.1 5.8 8.8  
138 17.0 14.0 21.0

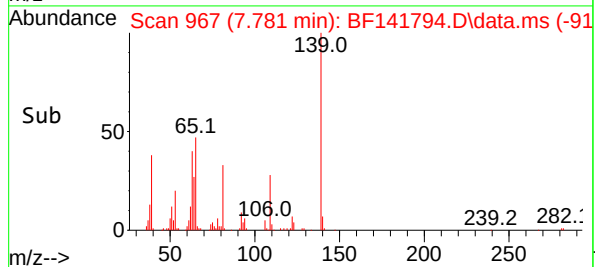
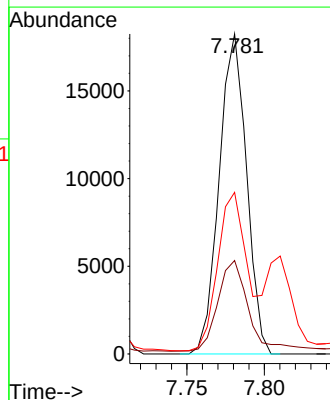
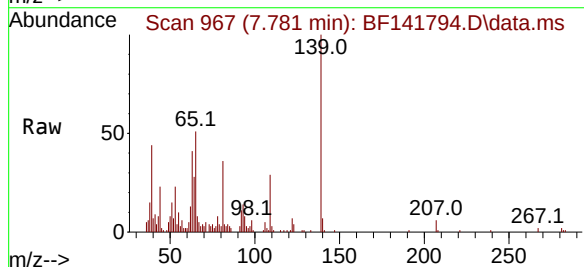
Manual Integrations  
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Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025

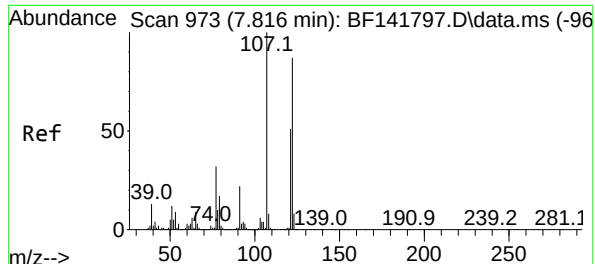


#26  
2-Nitrophenol  
Concen: 6.947 ng  
RT: 7.781 min Scan# 967  
Delta R.T. -0.006 min  
Lab File: BF141794.D  
Acq: 27 Feb 2025 15:46

Tgt Ion:139 Resp: 22354  
Ion Ratio Lower Upper  
139 100  
109 29.2 24.1 36.1  
65 50.5 42.3 63.5







#27

2,4-Dimethylphenol

Concen: 5.211 ng

RT: 7.810 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF141794.D

Acq: 27 Feb 2025 15:46

Instrument :

BNA\_F

ClientSampleId :

SSTDIC005

Tgt Ion:122 Resp: 7263

Ion Ratio Lower Upper

122 100

107 113.3 92.5 138.7

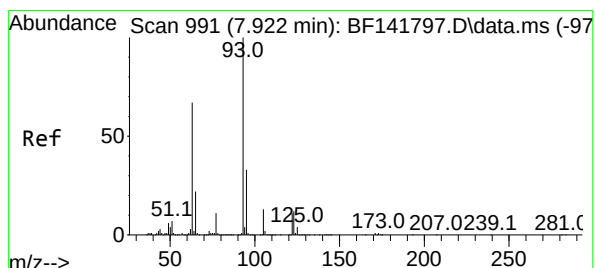
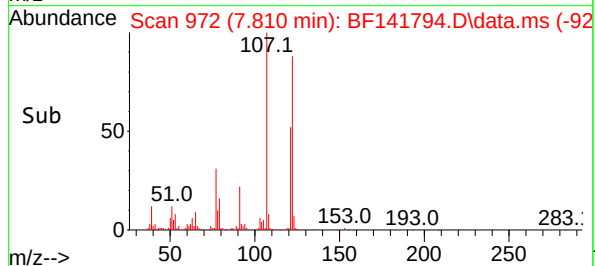
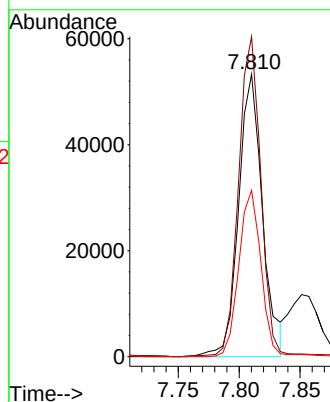
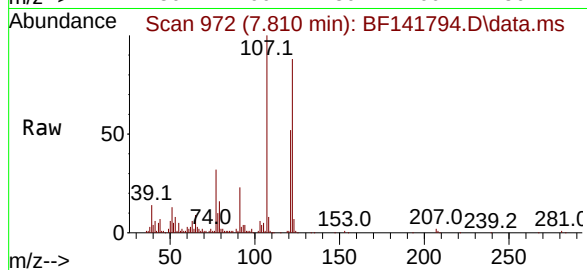
121 59.0 47.1 70.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/28/2025

Supervised By :mohammad ahmed 02/28/2025



#28

bis(2-Chloroethoxy)methane

Concen: 5.395 ng

RT: 7.910 min Scan# 989

Delta R.T. -0.012 min

Lab File: BF141794.D

Acq: 27 Feb 2025 15:46

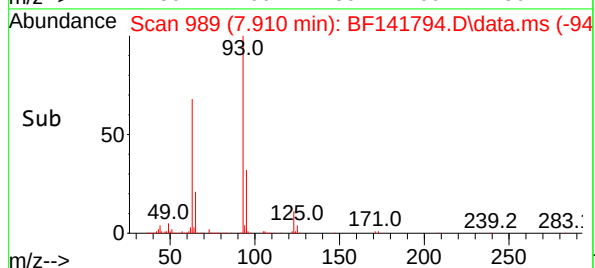
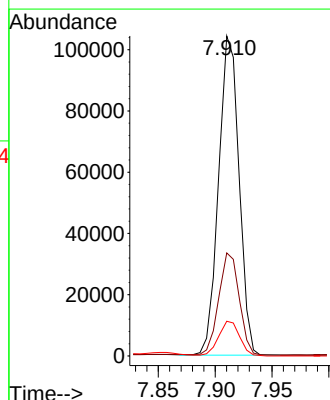
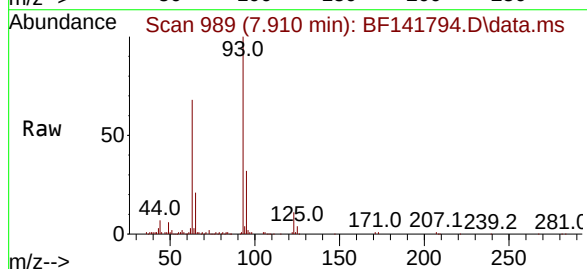
Tgt Ion: 93 Resp: 130473

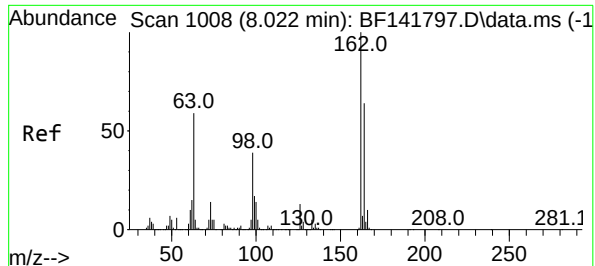
Ion Ratio Lower Upper

93 100

95 32.2 26.5 39.7

123 10.9 10.0 15.0





#29

2,4-Dichlorophenol

Concen: 4.914 ng

RT: 8.016 min Scan# 1008

Delta R.T. -0.006 min

Lab File: BF141794.D

Acq: 27 Feb 2025 15:46

Instrument :

BNA\_F

ClientSampleId :

SSTDICC005

Tgt Ion:162 Resp: 79000

Ion Ratio Lower Upper

162 100

164 65.2 44.3 84.3

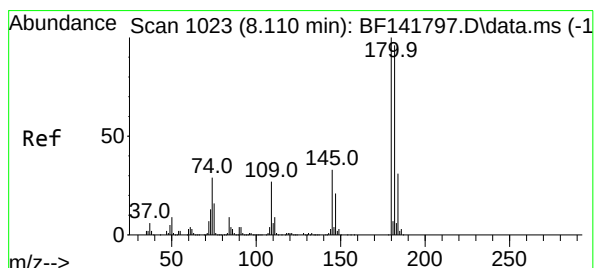
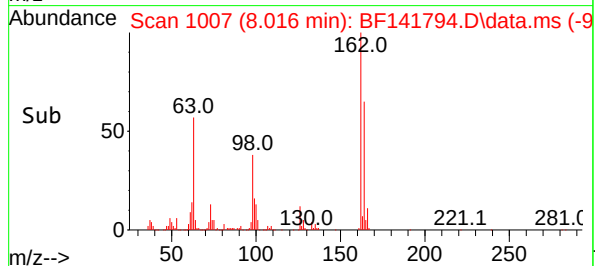
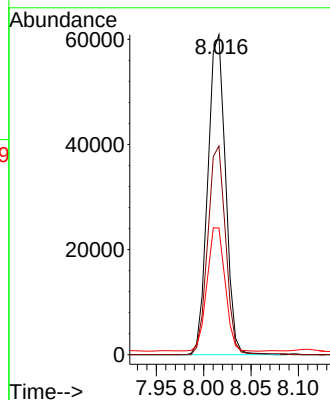
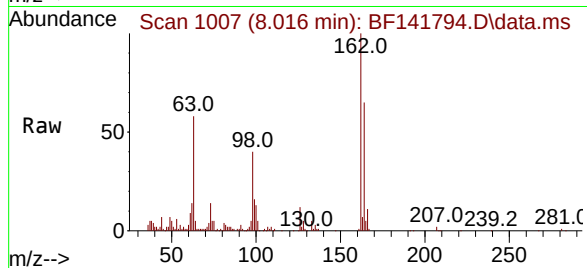
98 39.6 19.6 59.6

Manual Integrations

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Reviewed By :Yogesh Patel 02/28/2025

Supervised By :mohammad ahmed 02/28/2025



#30

1,2,4-Trichlorobenzene

Concen: 5.244 ng

RT: 8.110 min Scan# 1023

Delta R.T. -0.000 min

Lab File: BF141794.D

Acq: 27 Feb 2025 15:46

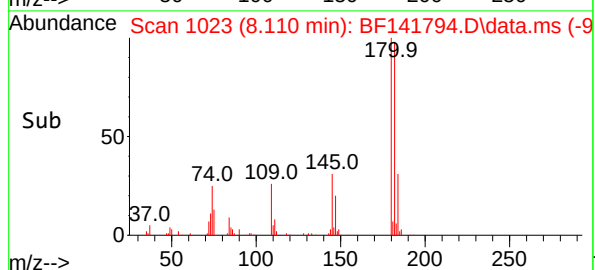
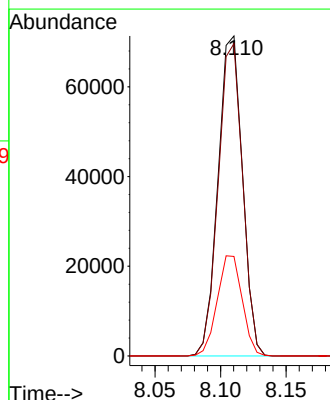
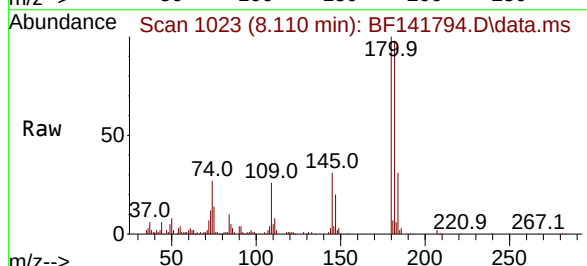
Tgt Ion:180 Resp: 92399

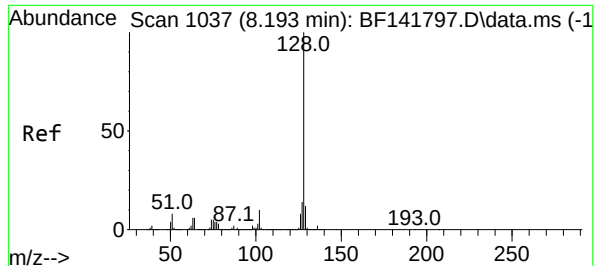
Ion Ratio Lower Upper

180 100

182 97.6 76.8 115.2

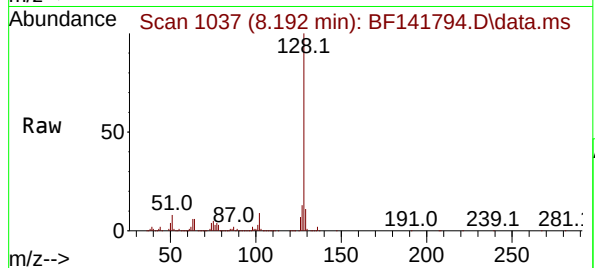
145 31.1 26.4 39.6





#31  
Naphthalene  
Concen: 5.546 ng  
RT: 8.192 min Scan# 1037  
Delta R.T. -0.000 min  
Lab File: BF141794.D  
Acq: 27 Feb 2025 15:46

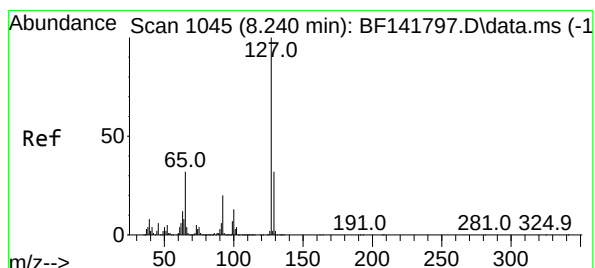
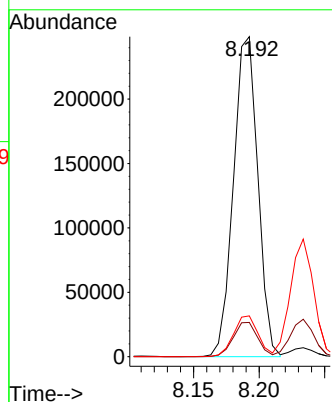
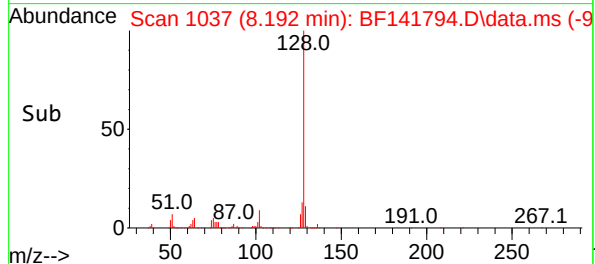
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC005



Tgt Ion:128 Resp: 321540  
Ion Ratio Lower Upper  
128 100  
129 10.7 9.2 13.8  
127 12.8 11.0 16.4

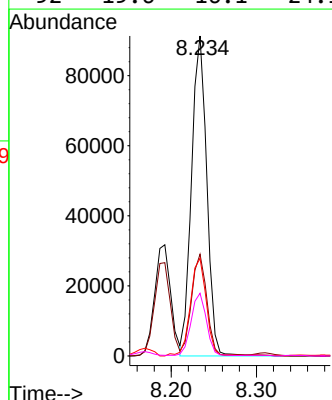
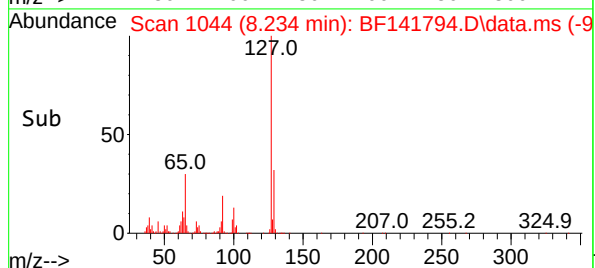
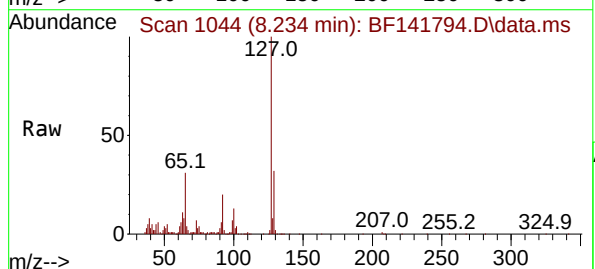
Manual Integrations  
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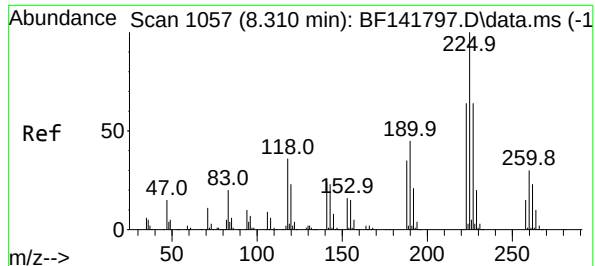
Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025



#33  
4-Chloroaniline  
Concen: 5.335 ng  
RT: 8.234 min Scan# 1044  
Delta R.T. -0.006 min  
Lab File: BF141794.D  
Acq: 27 Feb 2025 15:46

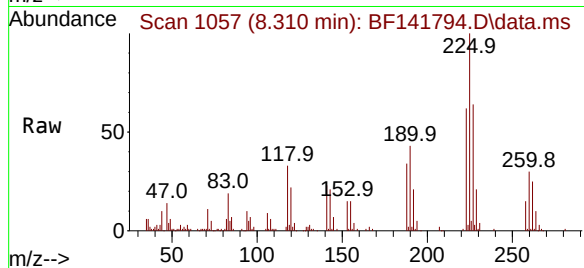
Tgt Ion:127 Resp: 113407  
Ion Ratio Lower Upper  
127 100  
129 31.8 26.1 39.1  
65 30.5 25.7 38.5  
92 19.6 16.1 24.1





#34  
Hexachlorobutadiene  
Concen: 5.134 ng  
RT: 8.310 min Scan# 1057  
Delta R.T. -0.000 min  
Lab File: BF141794.D  
Acq: 27 Feb 2025 15:46

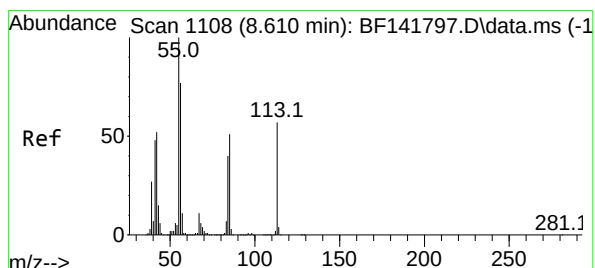
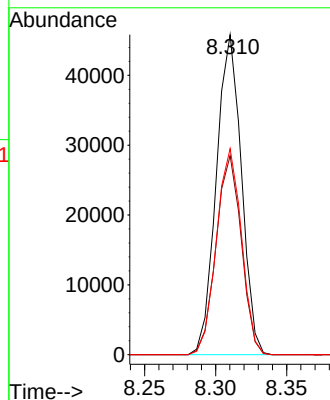
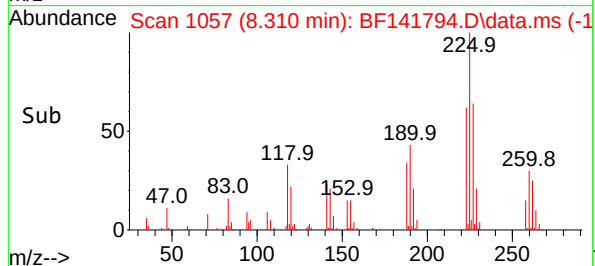
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC005



Tgt Ion:225 Resp: 56209  
Ion Ratio Lower Upper  
225 100  
223 62.2 51.4 77.2  
227 64.4 51.6 77.4

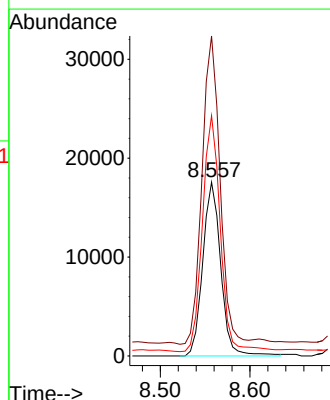
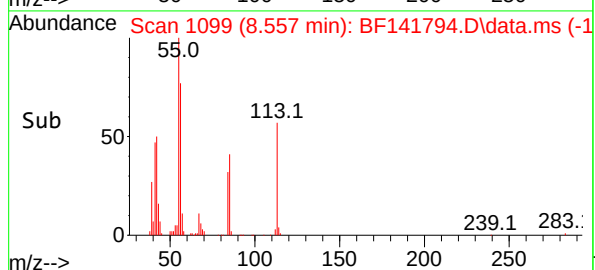
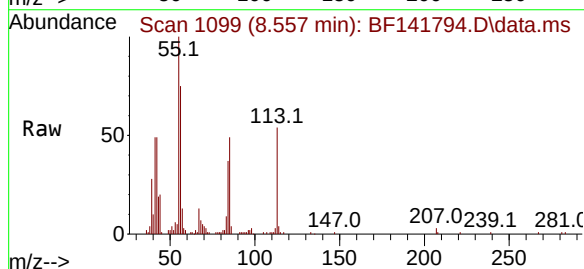
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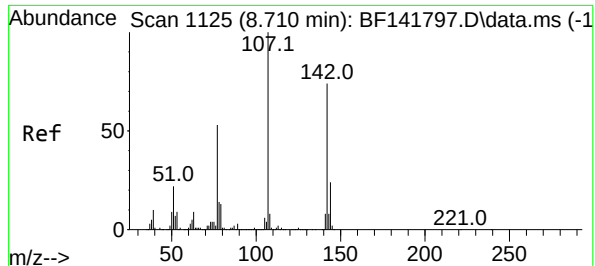
Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025



#35  
Caprolactam  
Concen: 4.946 ng  
RT: 8.557 min Scan# 1099  
Delta R.T. -0.053 min  
Lab File: BF141794.D  
Acq: 27 Feb 2025 15:46

Tgt Ion:113 Resp: 24467  
Ion Ratio Lower Upper  
113 100  
55 184.1 155.6 195.6  
56 138.2 114.6 154.6





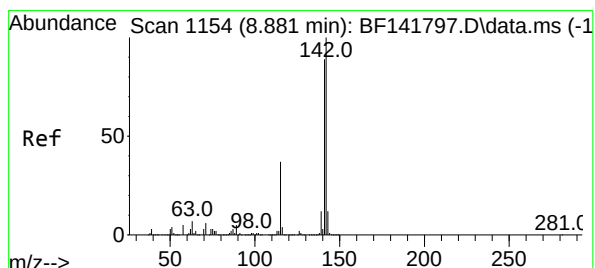
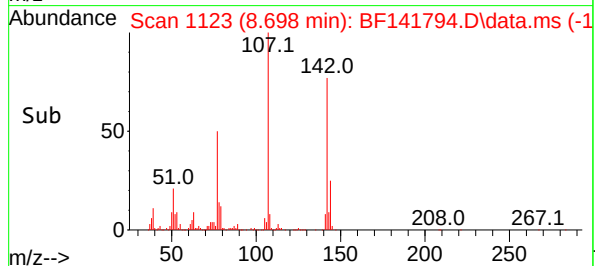
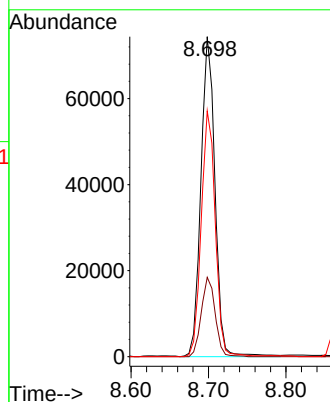
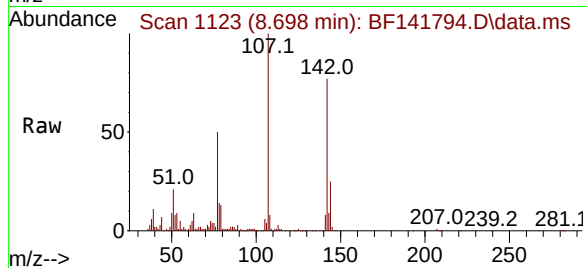
#36  
4-Chloro-3-methylphenol  
Concen: 5.262 ng  
RT: 8.698 min Scan# 1123  
Delta R.T. -0.012 min  
Lab File: BF141794.D  
Acq: 27 Feb 2025 15:46

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC005

Tgt Ion:107 Resp: 9398  
Ion Ratio Lower Upper  
107 100  
144 24.8 19.4 29.0  
142 76.8 59.4 89.0

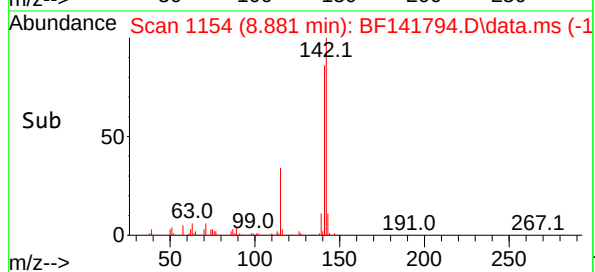
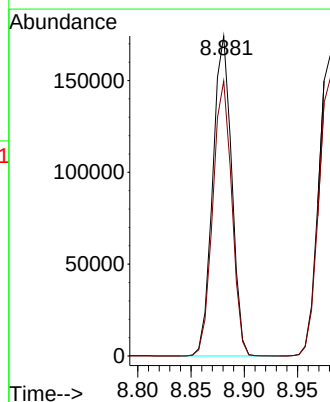
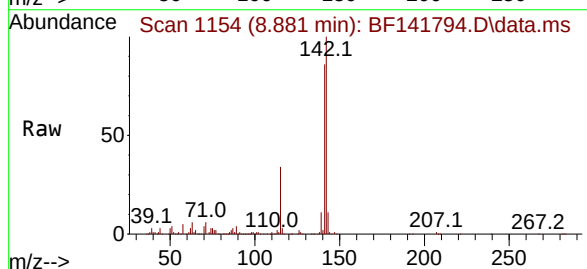
Manual Integrations  
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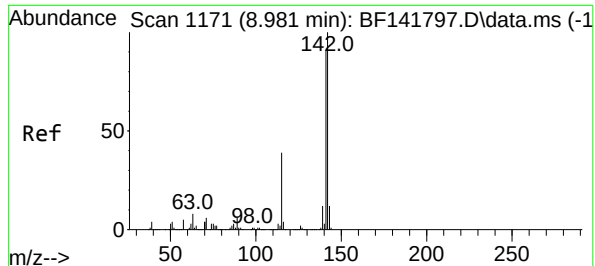
Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025



#37  
2-Methylnaphthalene  
Concen: 5.653 ng  
RT: 8.881 min Scan# 1154  
Delta R.T. -0.000 min  
Lab File: BF141794.D  
Acq: 27 Feb 2025 15:46

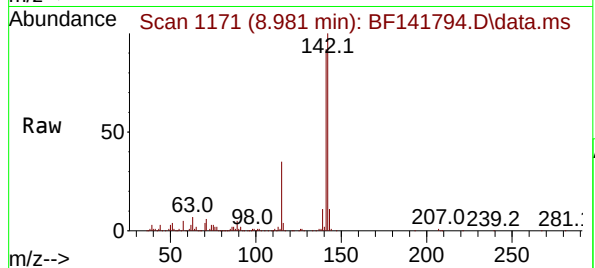
Tgt Ion:142 Resp: 214971  
Ion Ratio Lower Upper  
142 100  
141 86.0 71.1 106.7





#38  
1-Methylnaphthalene  
Concen: 5.676 ng  
RT: 8.981 min Scan# 1171  
Delta R.T. -0.000 min  
Lab File: BF141794.D  
Acq: 27 Feb 2025 15:46

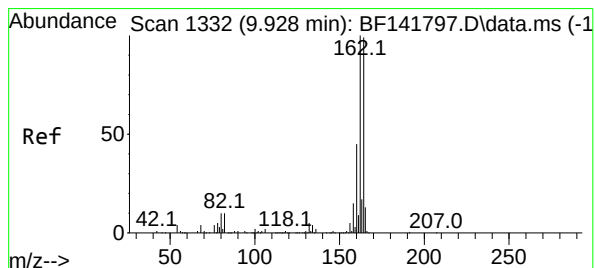
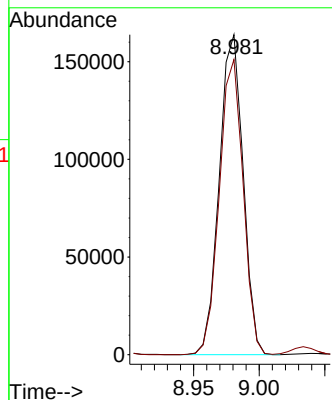
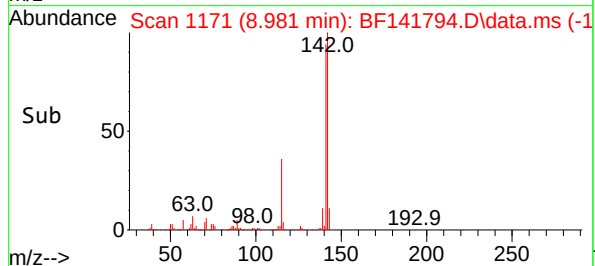
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC005



Tgt Ion:142 Resp: 207097  
Ion Ratio Lower Upper  
142 100  
141 92.3 73.1 109.7

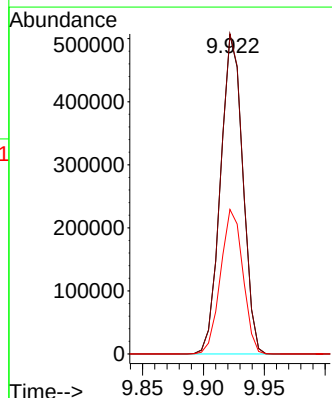
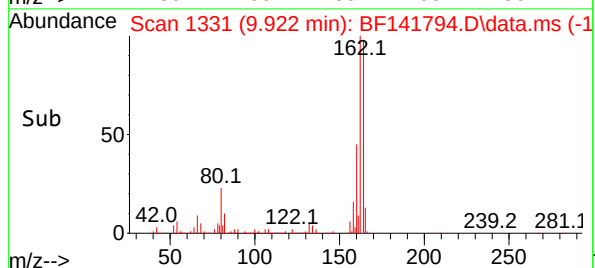
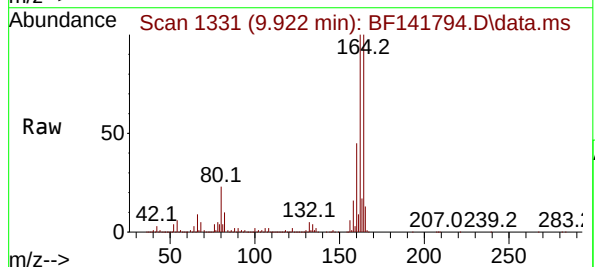
Manual Integrations  
APPROVED

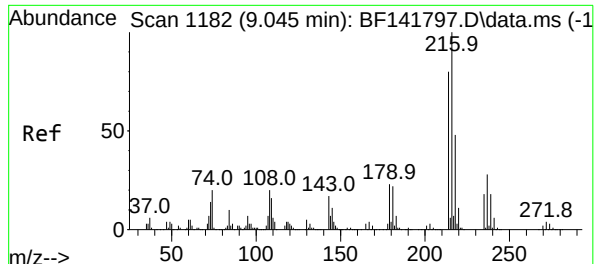
Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.922 min Scan# 1331  
Delta R.T. -0.006 min  
Lab File: BF141794.D  
Acq: 27 Feb 2025 15:46

Tgt Ion:164 Resp: 643922  
Ion Ratio Lower Upper  
164 100  
162 100.3 80.6 120.8  
160 45.3 36.3 54.5





#40

1,2,4,5-Tetrachlorobenzene

Concen: 5.275 ng

RT: 9.045 min Scan# 1182

Delta R.T. -0.000 min

Lab File: BF141794.D

Acq: 27 Feb 2025 15:46

Instrument :

BNA\_F

ClientSampleId :

SSTDICC005

Tgt Ion:216 Resp: 98100

Ion Ratio Lower Upper

216 100

214 77.2 63.5 95.3

179 21.5 18.1 27.1

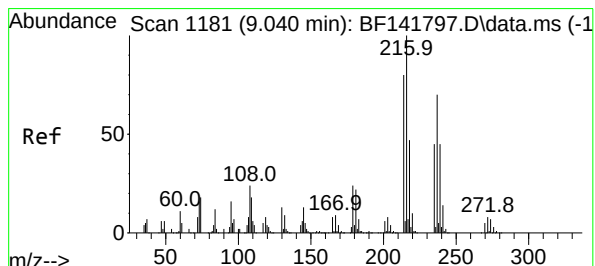
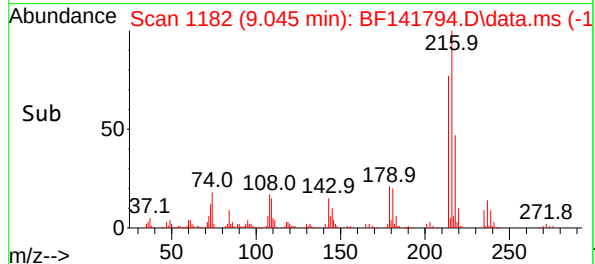
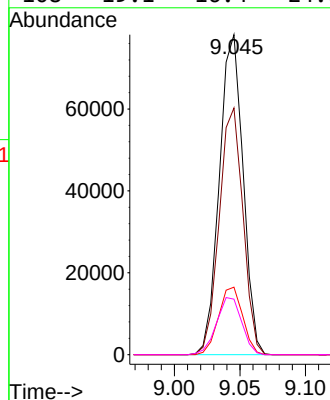
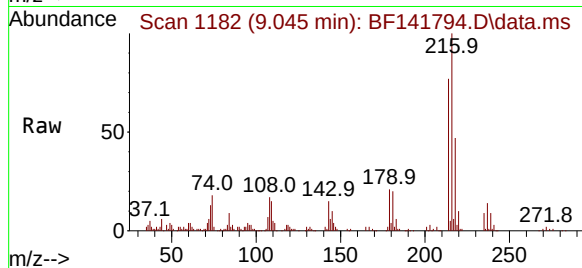
108 19.1 16.4 24.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/28/2025

Supervised By :mohammad ahmed 02/28/2025



#41

Hexachlorocyclopentadiene

Concen: 4.508 ng

RT: 9.034 min Scan# 1180

Delta R.T. -0.006 min

Lab File: BF141794.D

Acq: 27 Feb 2025 15:46

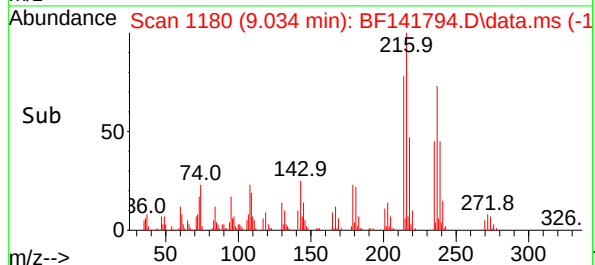
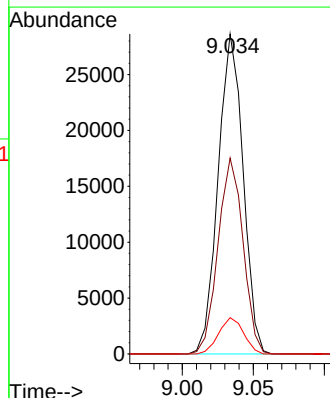
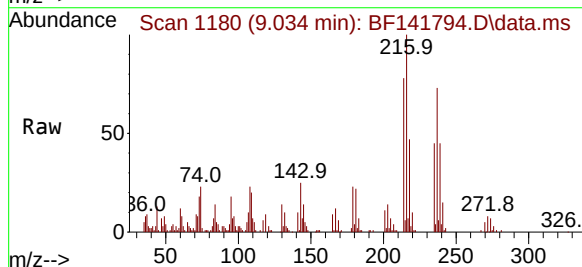
Tgt Ion:237 Resp: 34990

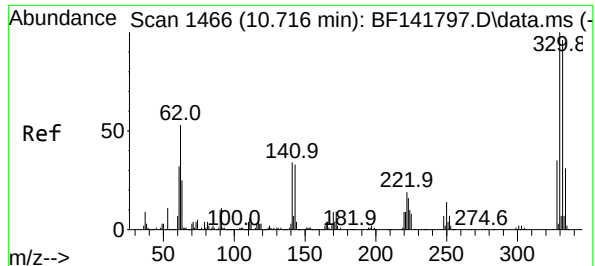
Ion Ratio Lower Upper

237 100

235 61.2 43.3 83.3

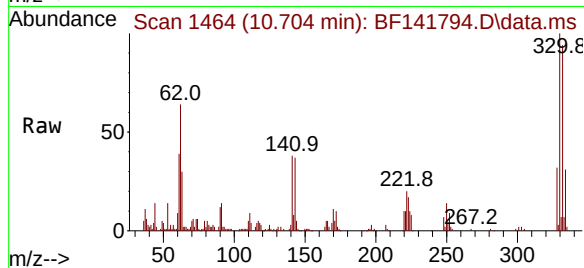
272 11.4 0.0 31.9





#42  
2,4,6-Tribromophenol  
Concen: 9.331 ng  
RT: 10.704 min Scan# 1466  
Delta R.T. -0.012 min  
Lab File: BF141794.D  
Acq: 27 Feb 2025 15:46

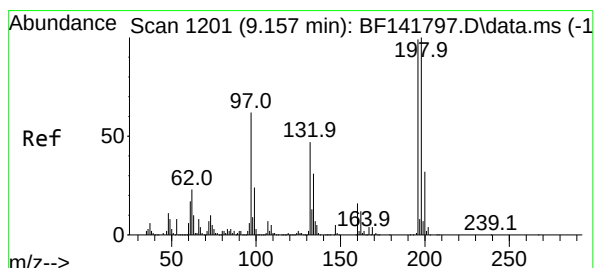
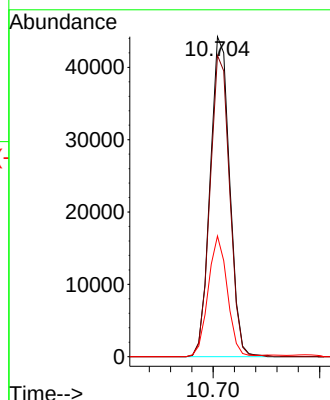
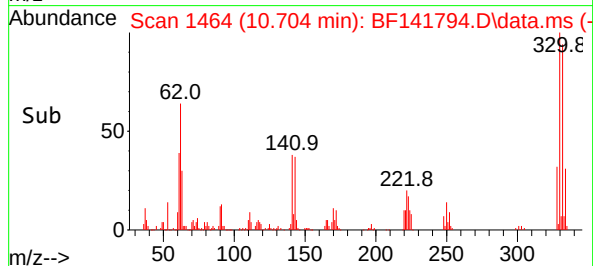
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC005



Tgt Ion:330 Resp: 56400  
Ion Ratio Lower Upper  
330 100  
332 94.6 76.6 115.0  
141 37.1 29.0 43.4

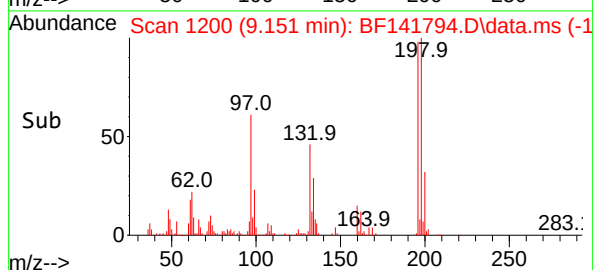
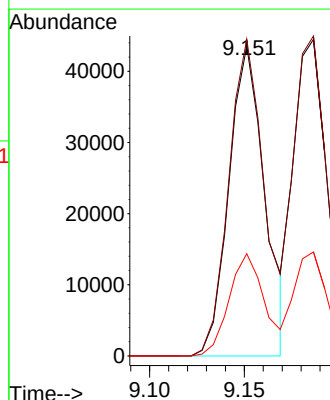
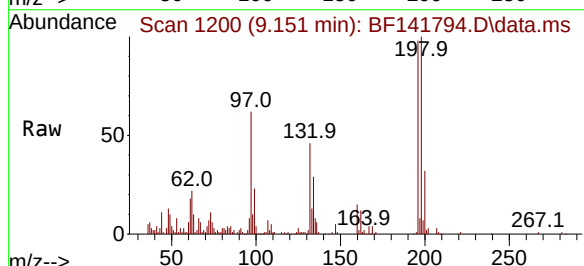
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025

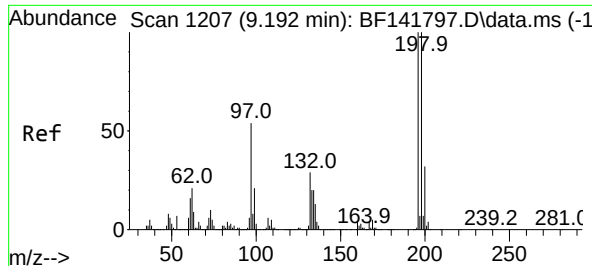


#43  
2,4,6-Trichlorophenol  
Concen: 4.753 ng  
RT: 9.151 min Scan# 1200  
Delta R.T. -0.006 min  
Lab File: BF141794.D  
Acq: 27 Feb 2025 15:46

Tgt Ion:196 Resp: 57097  
Ion Ratio Lower Upper  
196 100  
198 102.2 80.4 120.6  
200 33.0 25.7 38.5

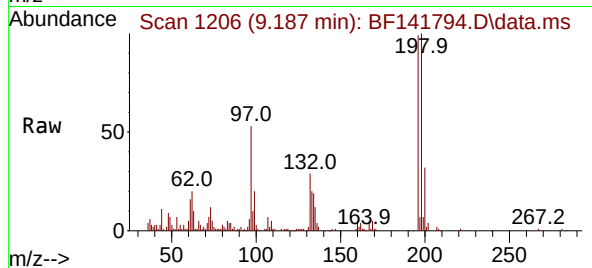






#44  
2,4,5-Trichlorophenol  
Concen: 4.706 ng  
RT: 9.187 min Scan# 1206  
Delta R.T. -0.006 min  
Lab File: BF141794.D  
Acq: 27 Feb 2025 15:46

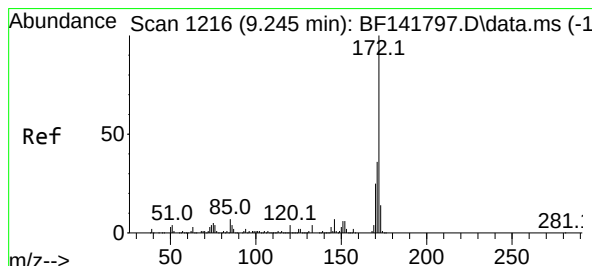
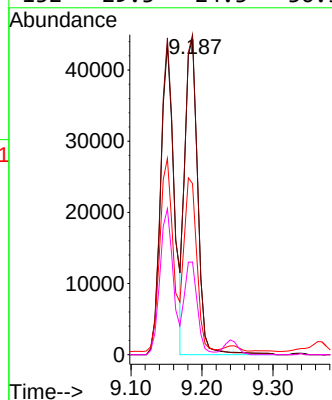
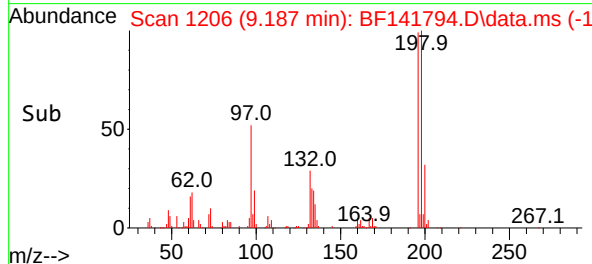
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC005



Tgt Ion:196 Resp: 55979  
Ion Ratio Lower Upper  
196 100  
198 101.1 79.7 119.5  
97 54.0 44.2 66.2  
132 29.3 24.3 36.5

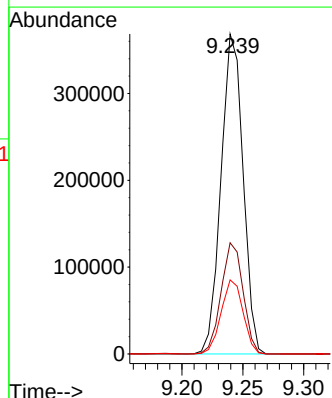
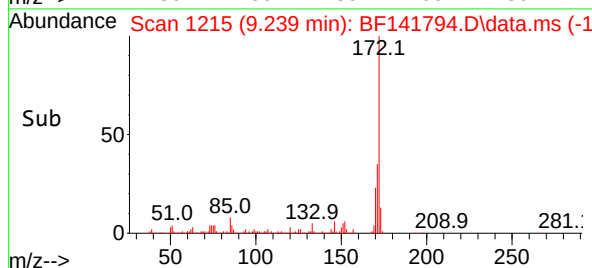
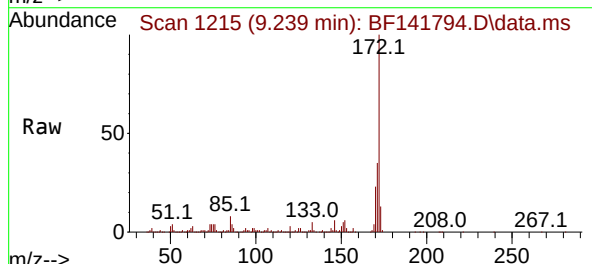
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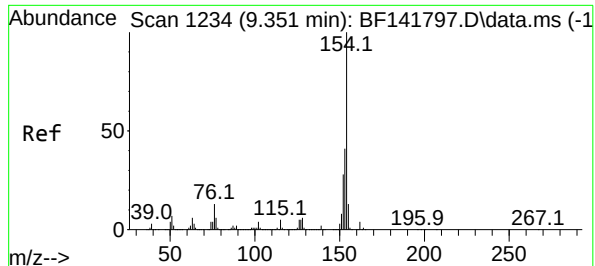
Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025



#45  
2-Fluorobiphenyl  
Concen: 11.570 ng  
RT: 9.239 min Scan# 1215  
Delta R.T. -0.006 min  
Lab File: BF141794.D  
Acq: 27 Feb 2025 15:46

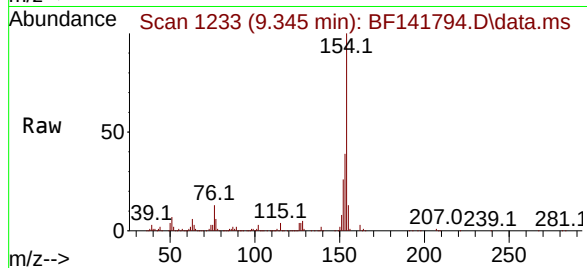
Tgt Ion:172 Resp: 464621  
Ion Ratio Lower Upper  
172 100  
171 34.7 29.2 43.8  
170 23.2 19.7 29.5





#46  
1,1'-Biphenyl  
Concen: 5.563 ng  
RT: 9.345 min Scan# 1234  
Delta R.T. -0.006 min  
Lab File: BF141794.D  
Acq: 27 Feb 2025 15:46

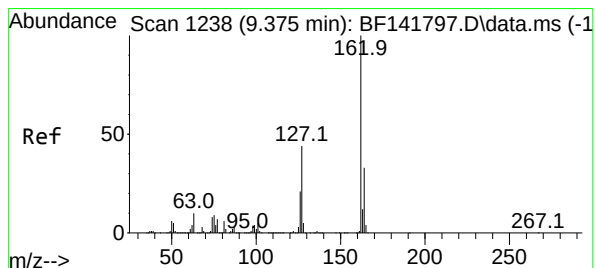
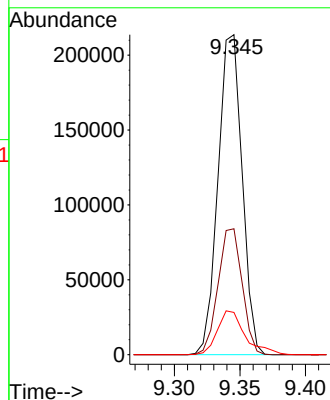
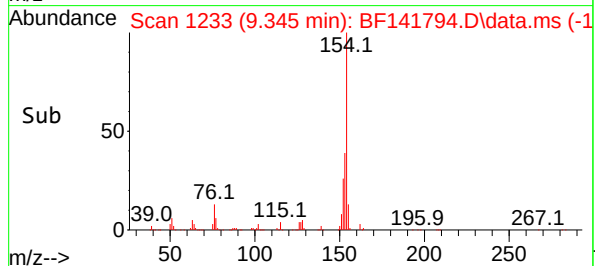
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC005



Tgt Ion:154 Resp: 272648  
Ion Ratio Lower Upper  
154 100  
153 39.4 21.4 61.4  
76 13.2 0.0 33.4

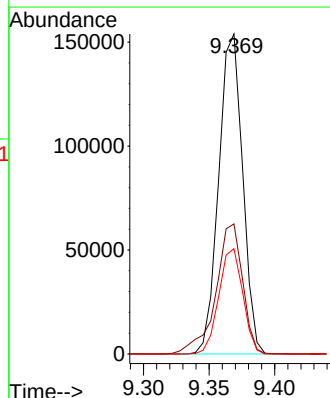
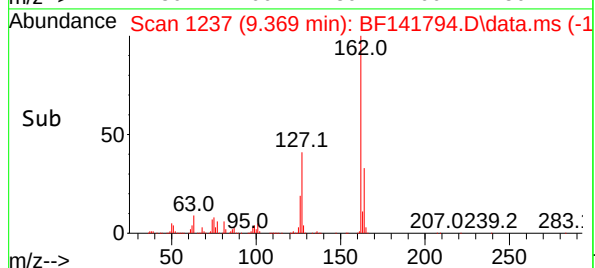
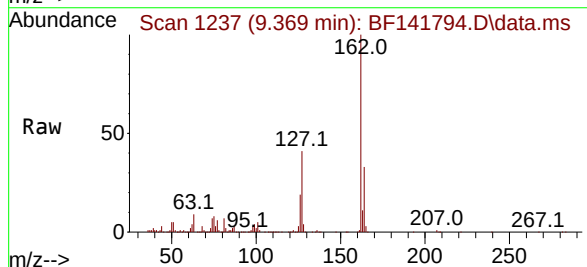
Manual Integrations  
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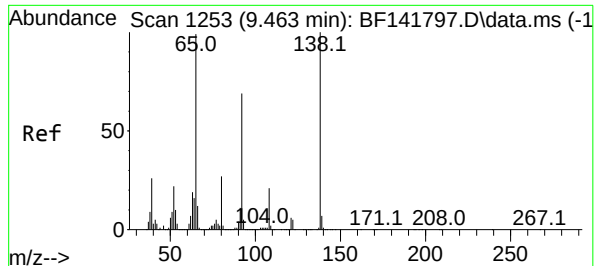
Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025



#47  
2-Chloronaphthalene  
Concen: 5.388 ng  
RT: 9.369 min Scan# 1237  
Delta R.T. -0.006 min  
Lab File: BF141794.D  
Acq: 27 Feb 2025 15:46

Tgt Ion:162 Resp: 194915  
Ion Ratio Lower Upper  
162 100  
127 40.7 35.0 52.6  
164 32.9 26.6 40.0





#48

2-Nitroaniline

Concen: 6.586 ng

RT: 9.457 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141794.D

Acq: 27 Feb 2025 15:46

Instrument :

BNA\_F

ClientSampleId :

SSTDICC005

Tgt Ion: 65 Resp: 2446

Ion Ratio Lower Upper

65 100

92 72.3 55.7 83.5

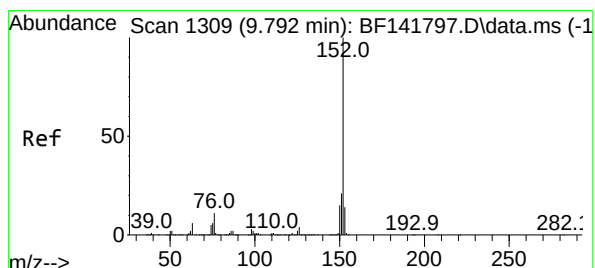
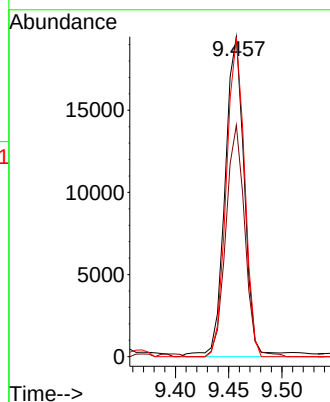
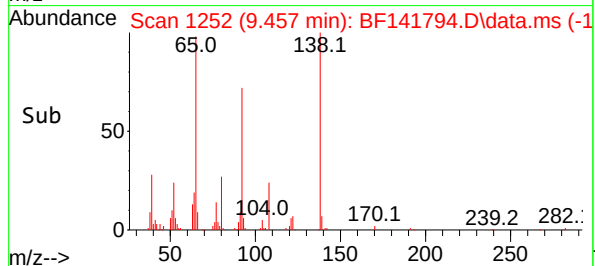
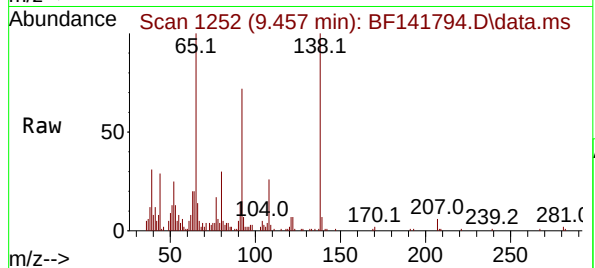
138 99.8 80.6 121.0

Manual Integrations

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Reviewed By :Yogesh Patel 02/28/2025

Supervised By :mohammad ahmed 02/28/2025



#49

Acenaphthylene

Concen: 5.481 ng

RT: 9.781 min Scan# 1307

Delta R.T. -0.012 min

Lab File: BF141794.D

Acq: 27 Feb 2025 15:46

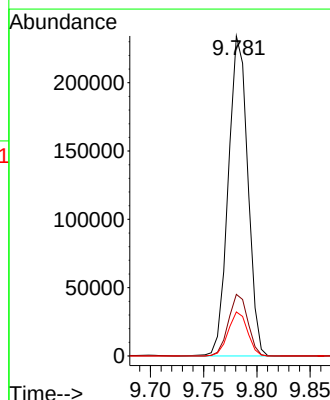
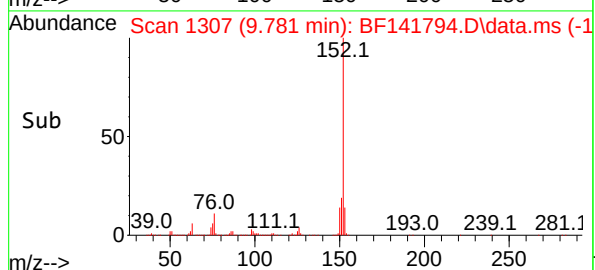
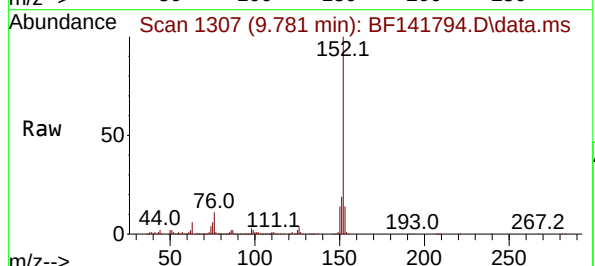
Tgt Ion:152 Resp: 297257

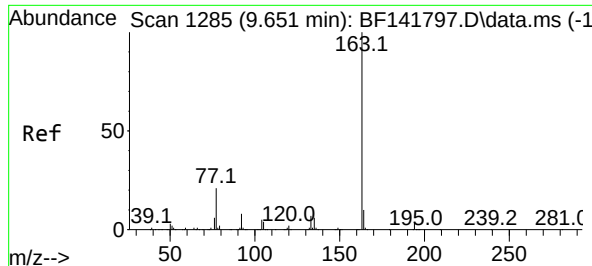
Ion Ratio Lower Upper

152 100

151 19.2 16.6 24.8

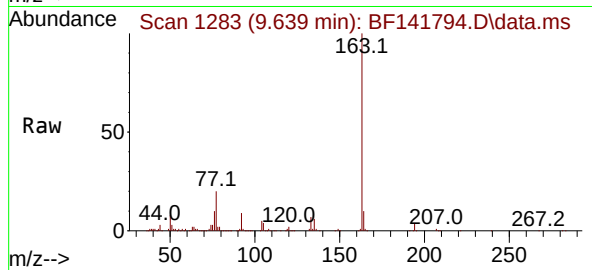
153 13.8 11.2 16.8





#50  
Dimethylphthalate  
Concen: 5.344 ng  
RT: 9.639 min Scan# 1283  
Delta R.T. -0.012 min  
Lab File: BF141794.D  
Acq: 27 Feb 2025 15:46

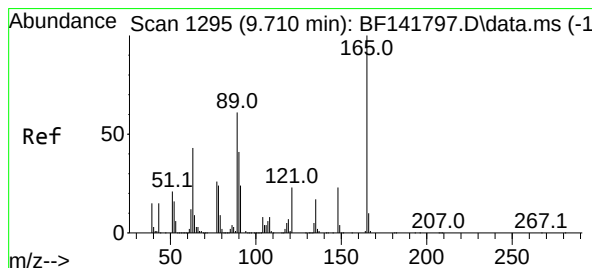
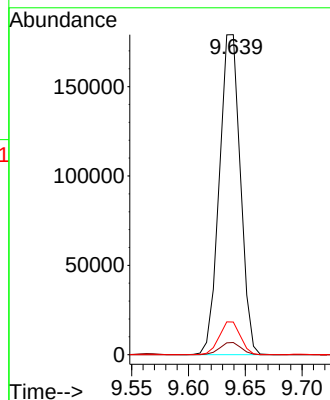
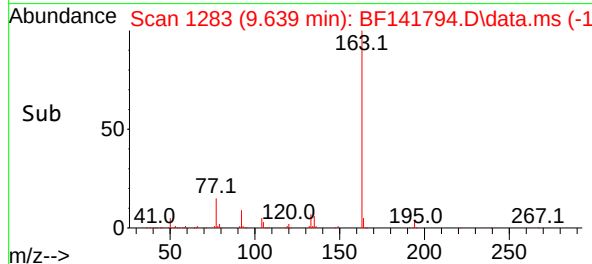
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC005



Tgt Ion:163 Resp: 230425  
Ion Ratio Lower Upper  
163 100  
194 3.8 3.1 4.7  
164 10.2 8.4 12.6

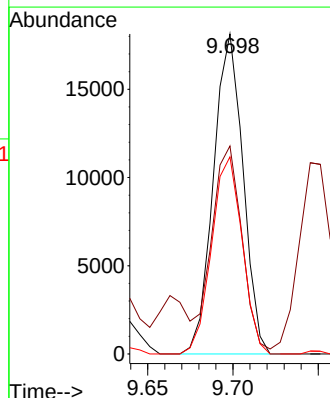
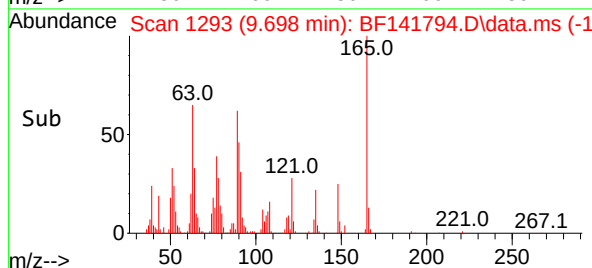
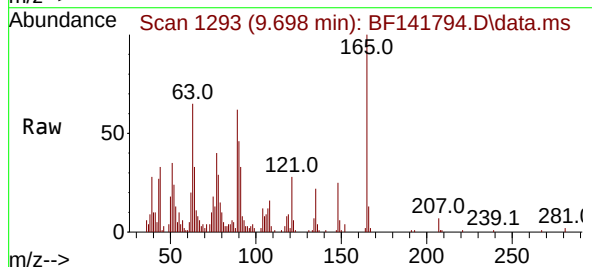
Manual Integrations  
APPROVED

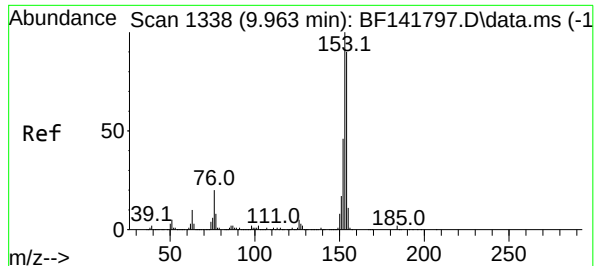
Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025



#51  
2,6-Dinitrotoluene  
Concen: 5.327 ng  
RT: 9.698 min Scan# 1293  
Delta R.T. -0.012 min  
Lab File: BF141794.D  
Acq: 27 Feb 2025 15:46

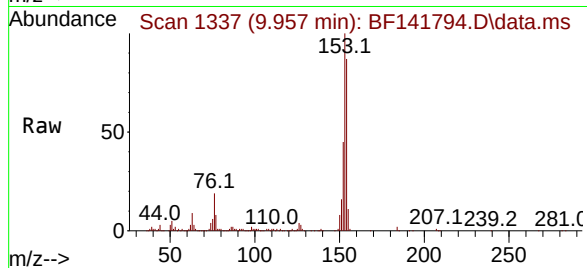
Tgt Ion:165 Resp: 21902  
Ion Ratio Lower Upper  
165 100  
63 65.0 49.5 74.3  
89 61.6 49.0 73.4





#52  
Acenaphthene  
Concen: 5.353 ng  
RT: 9.957 min Scan# 1337  
Delta R.T. -0.006 min  
Lab File: BF141794.D  
Acq: 27 Feb 2025 15:46

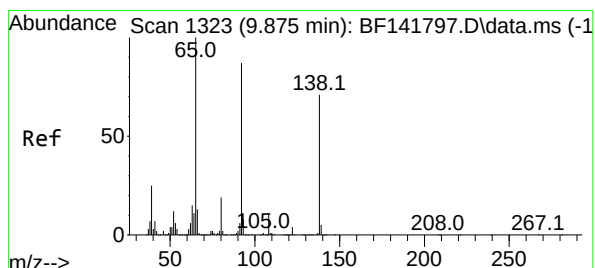
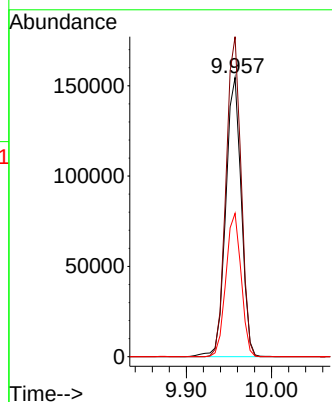
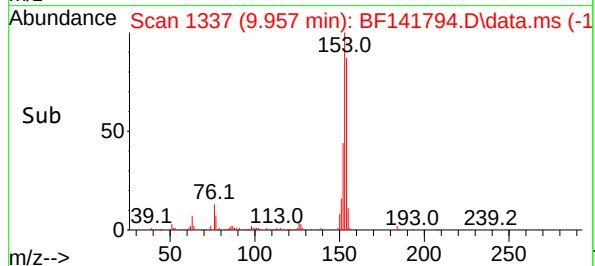
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC005



Tgt Ion:154 Resp: 195912  
Ion Ratio Lower Upper  
154 100  
153 114.6 88.7 133.1  
152 51.4 40.9 61.3

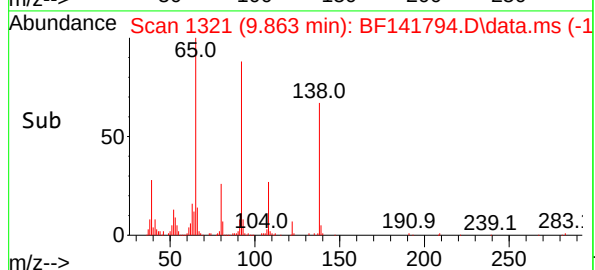
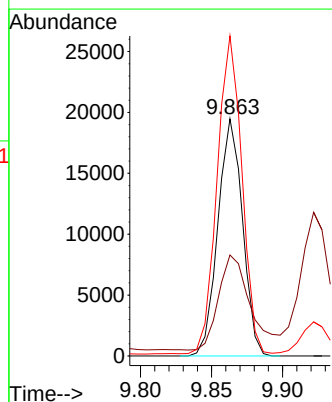
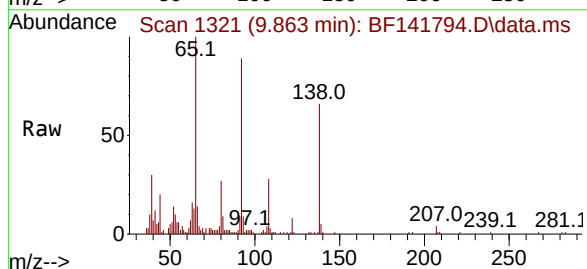
Manual Integrations  
APPROVED

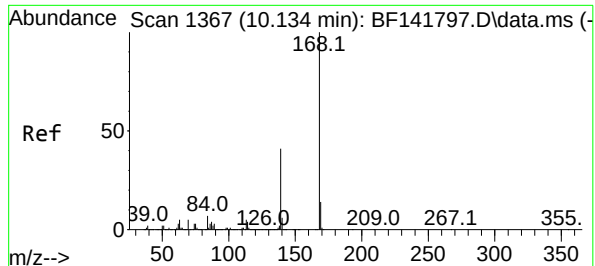
Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025



#53  
3-Nitroaniline  
Concen: 5.471 ng  
RT: 9.863 min Scan# 1321  
Delta R.T. -0.012 min  
Lab File: BF141794.D  
Acq: 27 Feb 2025 15:46

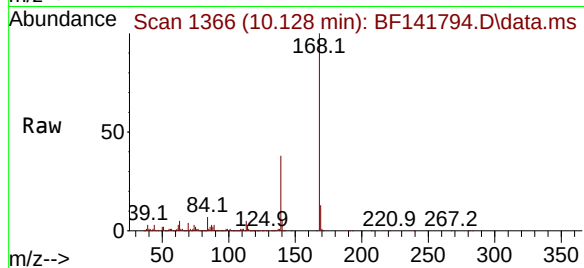
Tgt Ion:138 Resp: 23458  
Ion Ratio Lower Upper  
138 100  
108 42.5 12.7 19.1#  
92 134.9 97.9 146.9





#55  
Dibenzenofuran  
Concen: 5.590 ng  
RT: 10.128 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF141794.D  
Acq: 27 Feb 2025 15:46

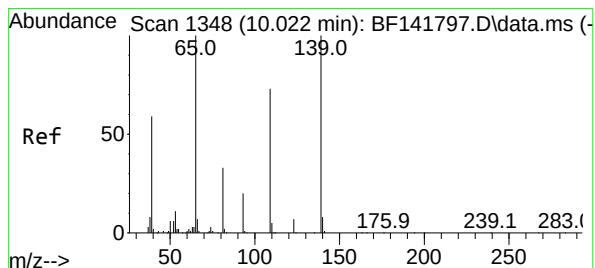
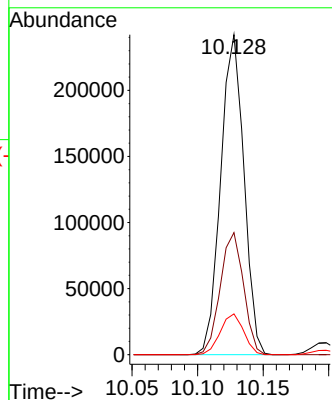
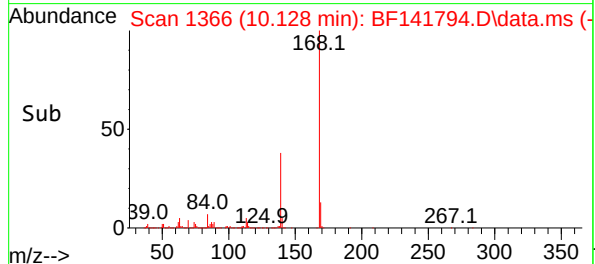
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC005



Tgt Ion:168 Resp: 297750  
Ion Ratio Lower Upper  
168 100  
139 38.1 32.9 49.3  
169 12.8 11.1 16.7

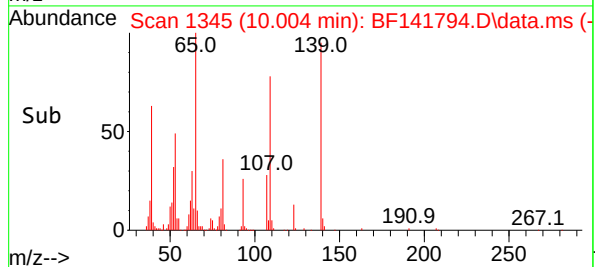
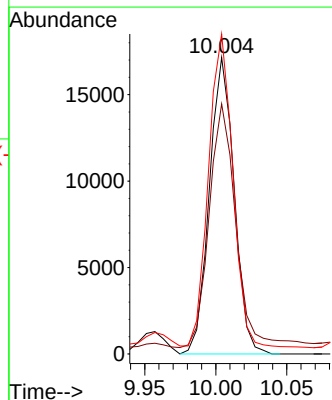
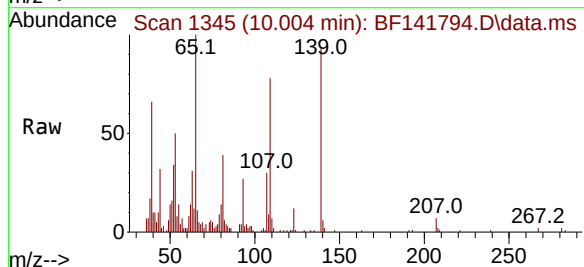
Manual Integrations  
APPROVED

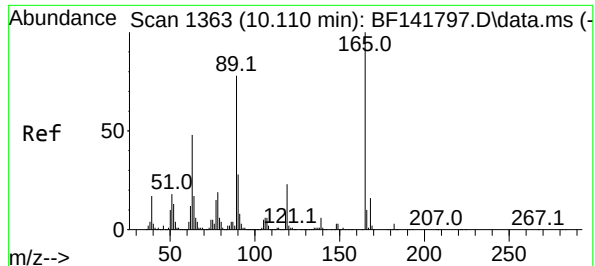
Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025



#56  
4-Nitrophenol  
Concen: 3.272 ng  
RT: 10.004 min Scan# 1345  
Delta R.T. -0.018 min  
Lab File: BF141794.D  
Acq: 27 Feb 2025 15:46

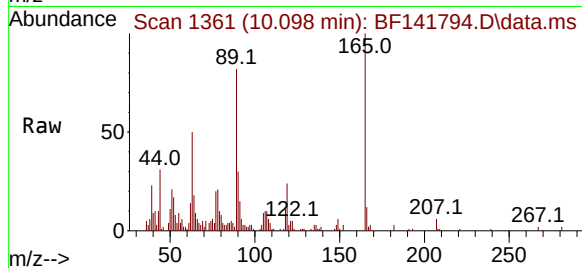
Tgt Ion:139 Resp: 20838  
Ion Ratio Lower Upper  
139 100  
109 84.4 53.4 93.4  
65 107.9 82.1 122.1





#57  
2,4-Dinitrotoluene  
Concen: 5.755 ng  
RT: 10.098 min Scan# 1361  
Delta R.T. -0.012 min  
Lab File: BF141794.D  
Acq: 27 Feb 2025 15:46

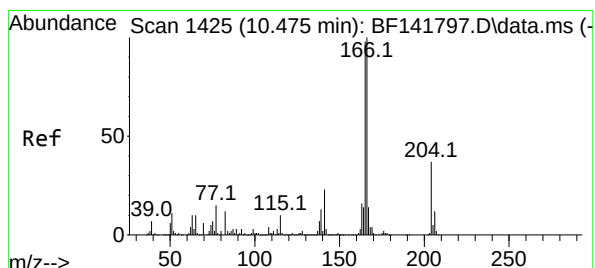
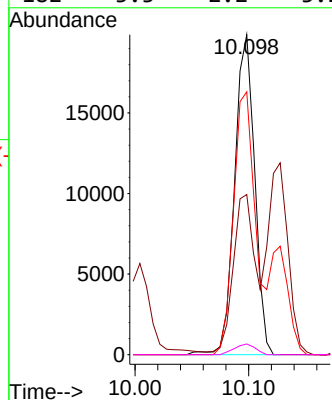
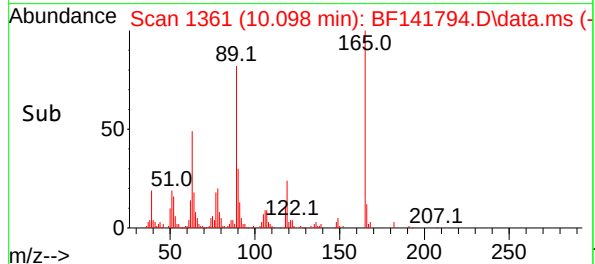
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC005



Tgt Ion:165 Resp: 2425  
Ion Ratio Lower Upper  
165 100  
63 50.0 38.8 58.2  
89 82.2 62.6 94.0  
182 3.3 2.2 3.2#

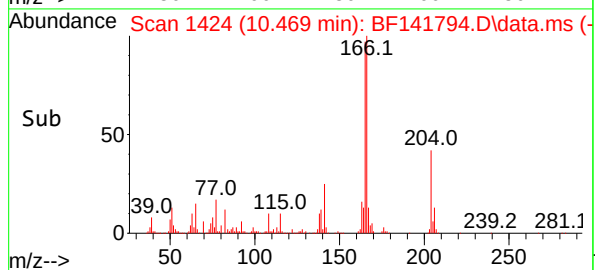
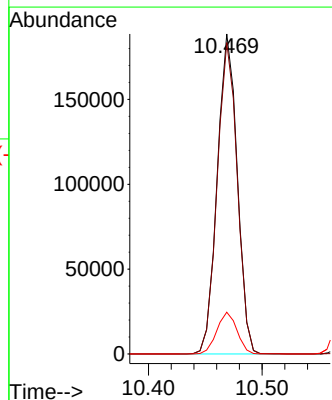
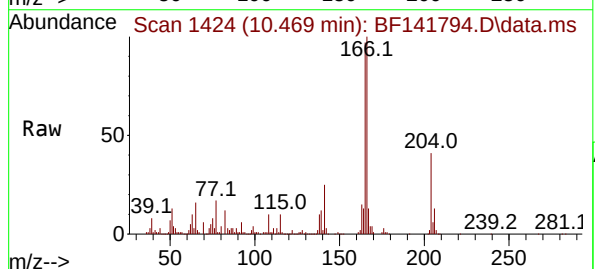
Manual Integrations  
APPROVED

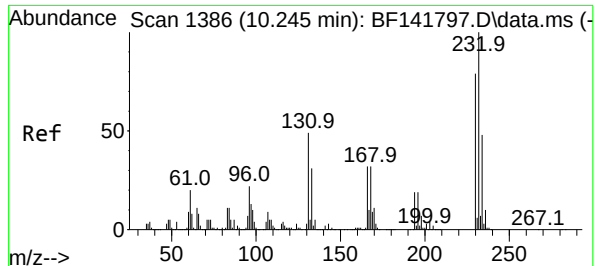
Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025



#58  
Fluorene  
Concen: 5.782 ng  
RT: 10.469 min Scan# 1424  
Delta R.T. -0.006 min  
Lab File: BF141794.D  
Acq: 27 Feb 2025 15:46

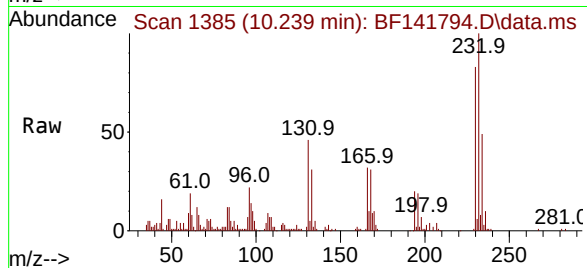
Tgt Ion:166 Resp: 230713  
Ion Ratio Lower Upper  
166 100  
165 97.3 78.6 117.8  
167 13.0 11.0 16.4





#59  
2,3,4,6-Tetrachlorophenol  
Concen: 4.873 ng  
RT: 10.239 min Scan# 1385  
Delta R.T. -0.006 min  
Lab File: BF141794.D  
Acq: 27 Feb 2025 15:46

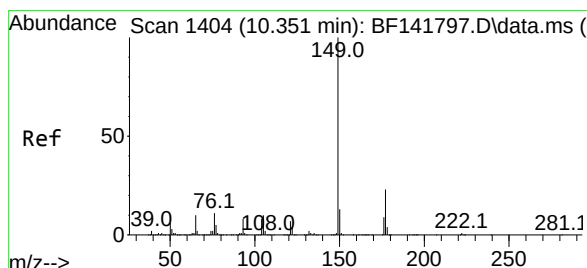
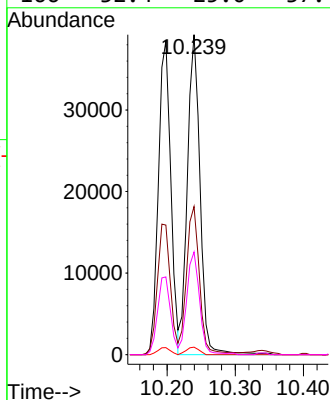
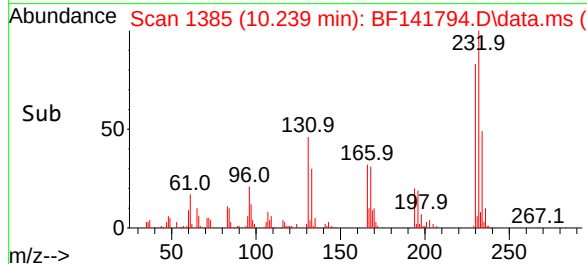
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC005



Tgt Ion:232 Resp: 5041  
Ion Ratio Lower Upper  
232 100  
131 47.2 37.8 56.8  
130 2.4 2.0 3.0  
166 32.4 25.0 37.4

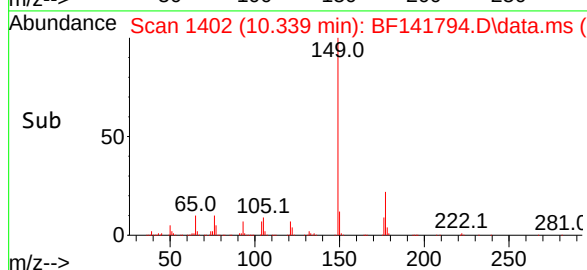
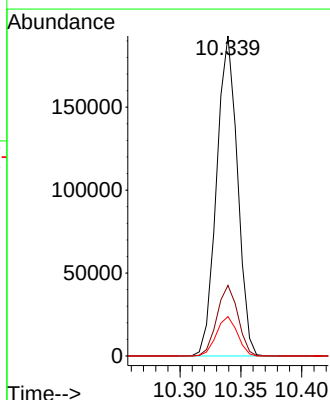
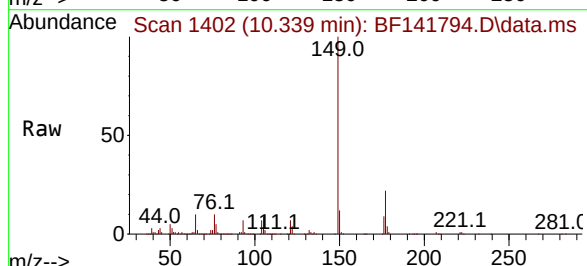
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025

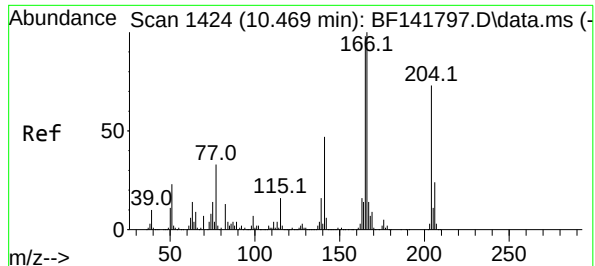


#60  
Diethylphthalate  
Concen: 5.322 ng  
RT: 10.339 min Scan# 1402  
Delta R.T. -0.012 min  
Lab File: BF141794.D  
Acq: 27 Feb 2025 15:46

Tgt Ion:149 Resp: 230060  
Ion Ratio Lower Upper  
149 100  
177 22.1 18.3 27.5  
150 12.3 10.3 15.5

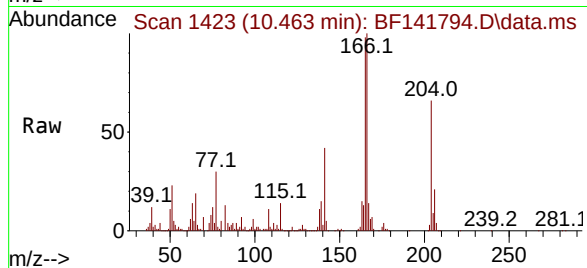






#61  
4-Chlorophenyl-phenylether  
Concen: 5.561 ng  
RT: 10.463 min Scan# 1423  
Delta R.T. -0.006 min  
Lab File: BF141794.D  
Acq: 27 Feb 2025 15:46

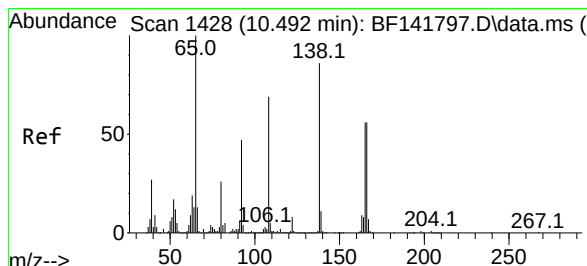
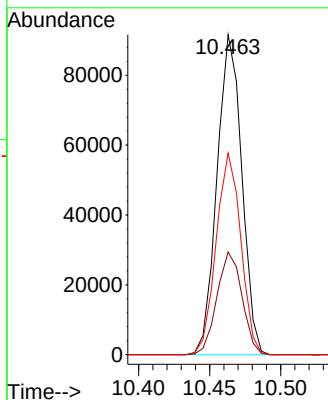
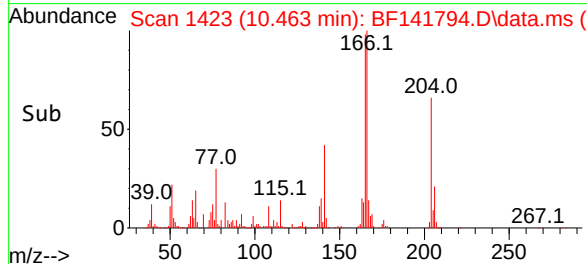
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC005



Tgt Ion:204 Resp: 111169  
Ion Ratio Lower Upper  
204 100  
206 32.1 26.2 39.4  
141 63.0 51.7 77.5

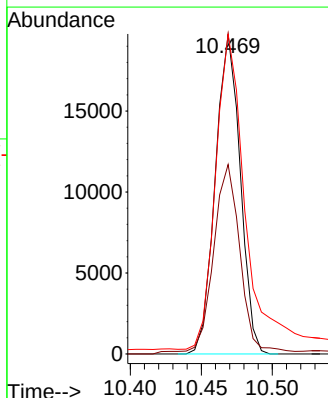
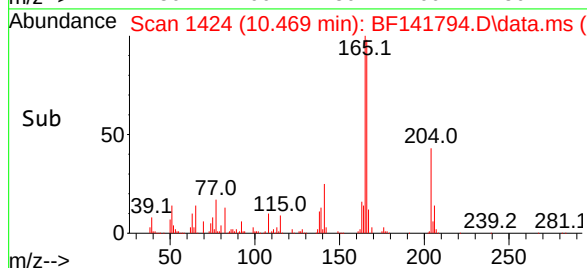
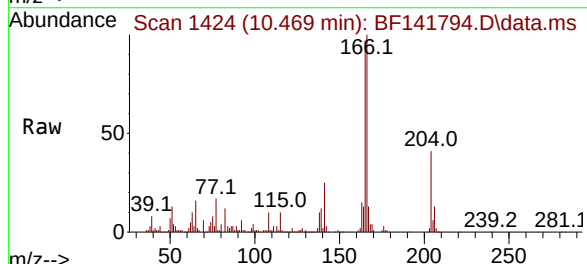
Manual Integrations  
APPROVED

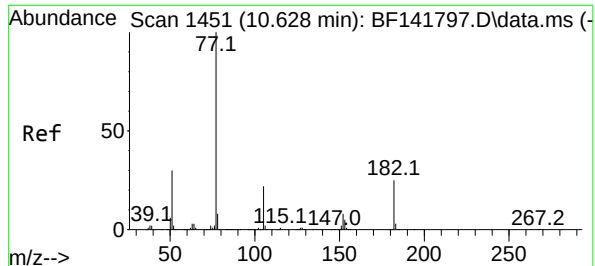
Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025



#62  
4-Nitroaniline  
Concen: 3.260 ng  
RT: 10.469 min Scan# 1424  
Delta R.T. -0.024 min  
Lab File: BF141794.D  
Acq: 27 Feb 2025 15:46

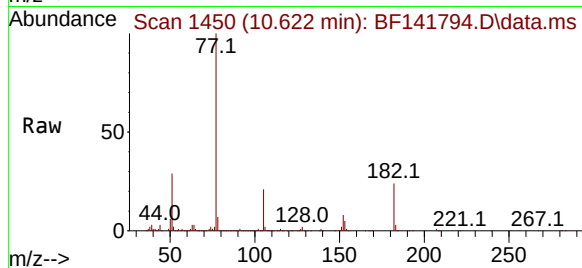
Tgt Ion:138 Resp: 24006  
Ion Ratio Lower Upper  
138 100  
92 59.3 34.9 74.9  
108 100.2 59.6 99.6#





#63  
Azobenzene  
Concen: 5.460 ng  
RT: 10.622 min Scan# 1451  
Delta R.T. -0.006 min  
Lab File: BF141794.D  
Acq: 27 Feb 2025 15:46

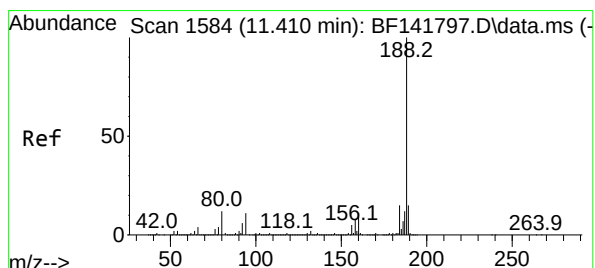
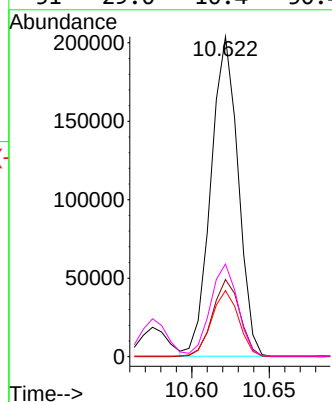
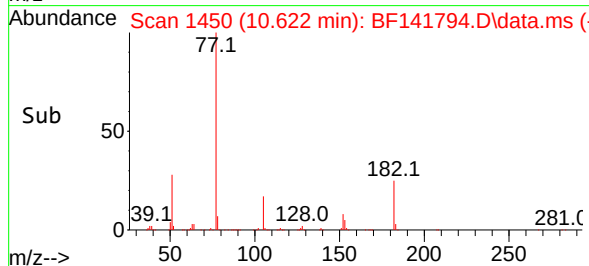
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC005



Tgt Ion: 77 Resp: 248519  
Ion Ratio Lower Upper  
77 100  
182 24.1 4.2 44.2  
105 20.7 1.5 41.5  
51 29.0 10.4 50.4

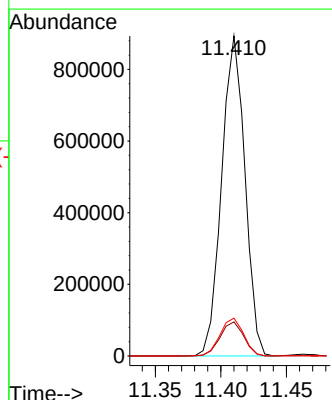
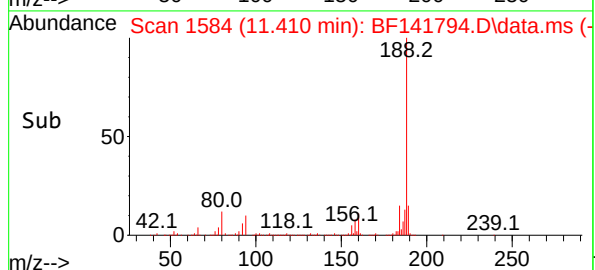
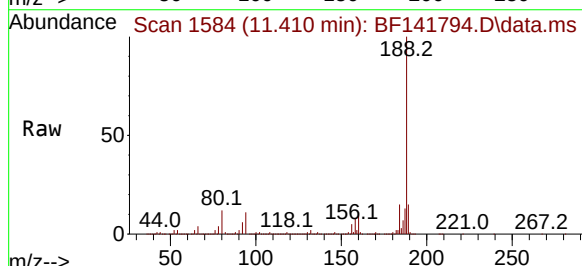
Manual Integrations  
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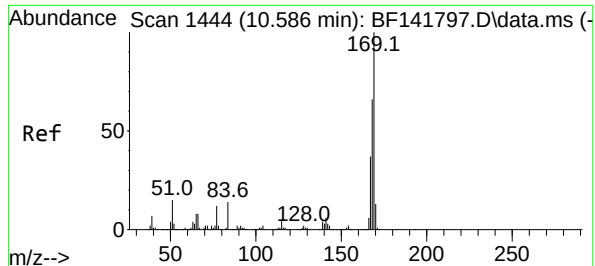
Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.410 min Scan# 1584  
Delta R.T. -0.000 min  
Lab File: BF141794.D  
Acq: 27 Feb 2025 15:46

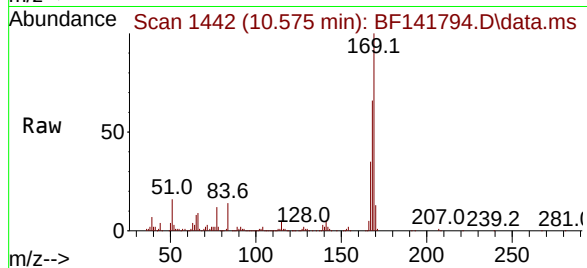
Tgt Ion:188 Resp: 1101046  
Ion Ratio Lower Upper  
188 100  
94 10.6 8.9 13.3  
80 11.8 9.7 14.5





#66  
n-Nitrosodiphenylamine  
Concen: 5.344 ng  
RT: 10.575 min Scan# 1444  
Delta R.T. -0.012 min  
Lab File: BF141794.D  
Acq: 27 Feb 2025 15:46

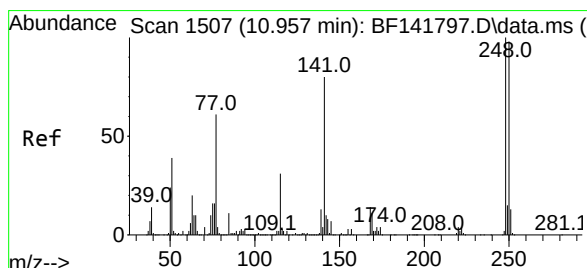
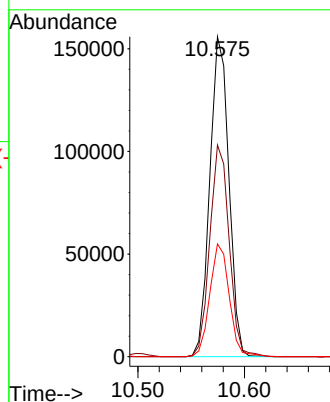
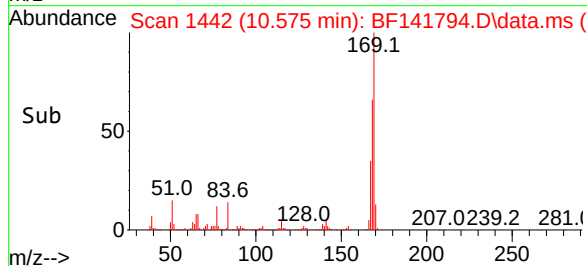
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC005



Tgt Ion:169 Resp: 193204  
Ion Ratio Lower Upper  
169 100  
168 66.2 53.0 79.6  
167 35.2 29.3 43.9

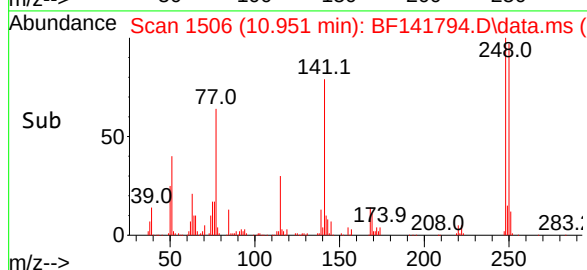
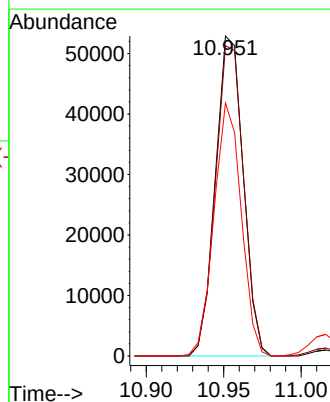
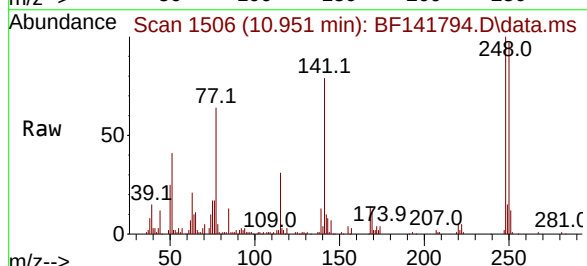
Manual Integrations  
APPROVED

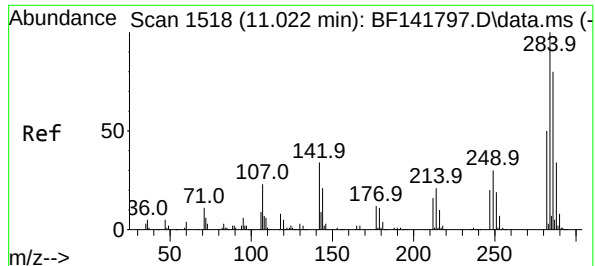
Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025



#67  
4-Bromophenyl-phenylether  
Concen: 5.156 ng  
RT: 10.951 min Scan# 1506  
Delta R.T. -0.006 min  
Lab File: BF141794.D  
Acq: 27 Feb 2025 15:46

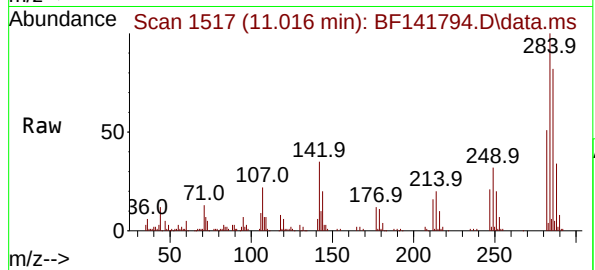
Tgt Ion:248 Resp: 66312  
Ion Ratio Lower Upper  
248 100  
250 97.0 78.1 117.1  
141 79.0 64.3 96.5





#68  
Hexachlorobenzene  
Concen: 5.125 ng  
RT: 11.016 min Scan# 1517  
Delta R.T. -0.006 min  
Lab File: BF141794.D  
Acq: 27 Feb 2025 15:46

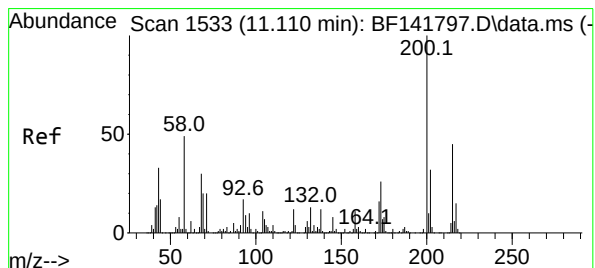
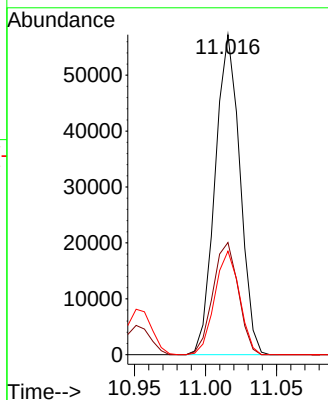
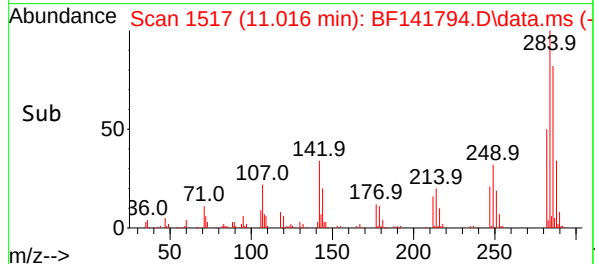
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC005



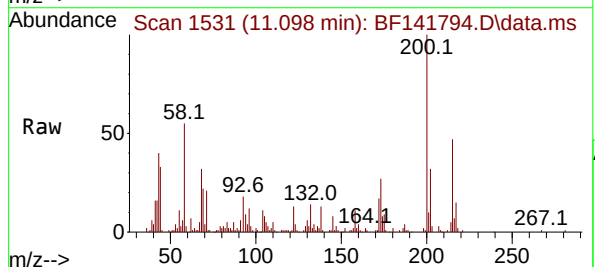
Tgt Ion:284 Resp: 69598  
Ion Ratio Lower Upper  
284 100  
142 35.1 28.2 42.2  
249 32.3 25.5 38.3

Manual Integrations  
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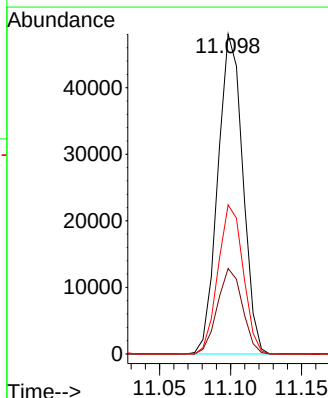
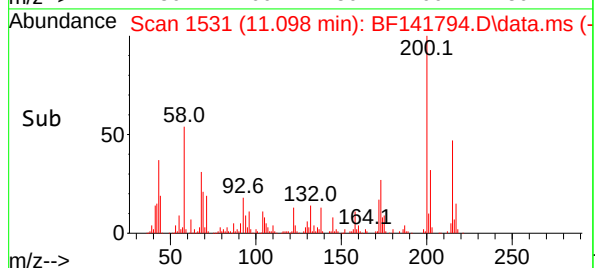
Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025

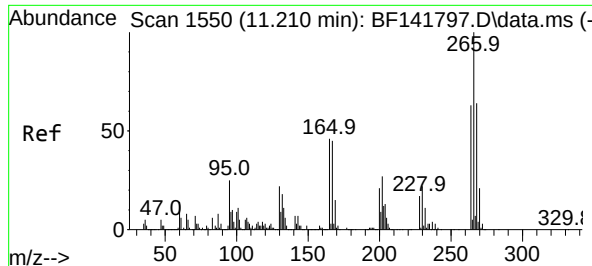


#69  
Atrazine  
Concen: 5.897 ng  
RT: 11.098 min Scan# 1531  
Delta R.T. -0.012 min  
Lab File: BF141794.D  
Acq: 27 Feb 2025 15:46



Tgt Ion:200 Resp: 58634  
Ion Ratio Lower Upper  
200 100  
173 26.7 5.6 45.6  
215 46.6 25.3 65.3





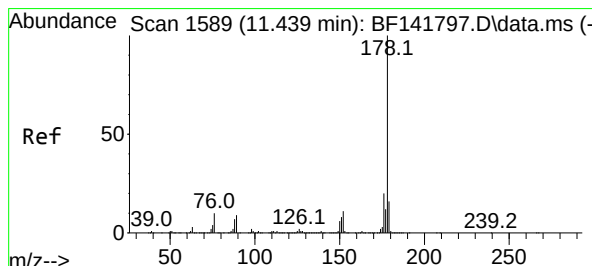
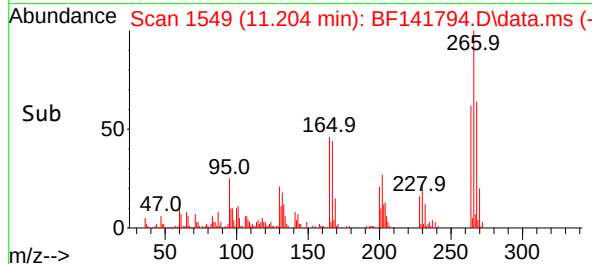
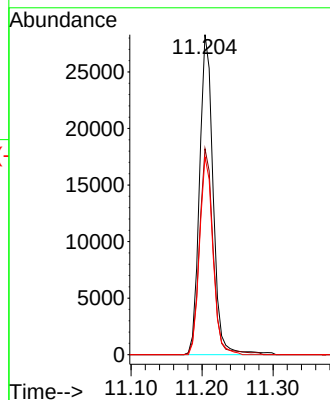
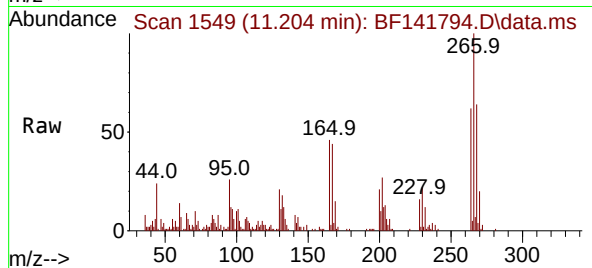
#70  
Pentachlorophenol  
Concen: 4.373 ng  
RT: 11.204 min Scan# 1549  
Delta R.T. -0.006 min  
Lab File: BF141794.D  
Acq: 27 Feb 2025 15:46

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC005

Tgt Ion:266 Resp: 37669  
Ion Ratio Lower Upper  
266 100  
268 64.3 50.9 76.3  
264 61.8 50.2 75.4

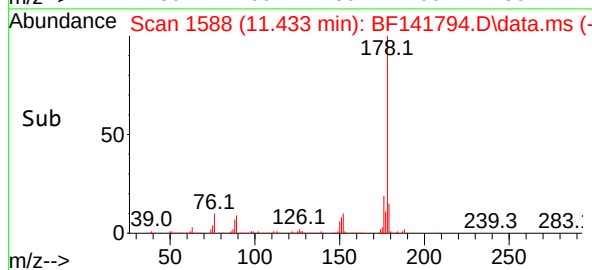
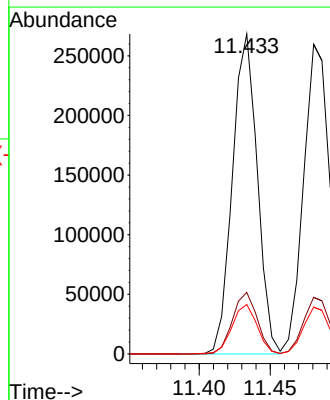
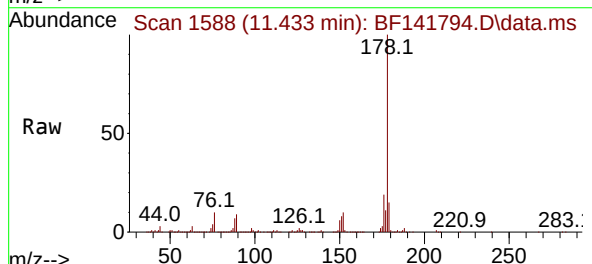
Manual Integrations  
APPROVED

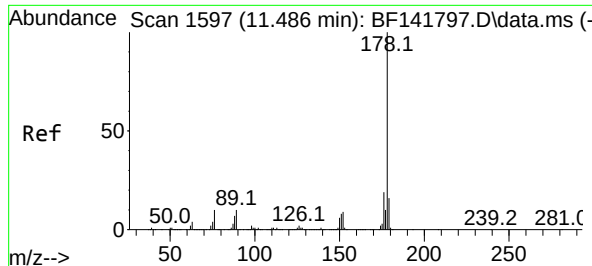
Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025



#71  
Phenanthrene  
Concen: 5.544 ng  
RT: 11.433 min Scan# 1588  
Delta R.T. -0.006 min  
Lab File: BF141794.D  
Acq: 27 Feb 2025 15:46

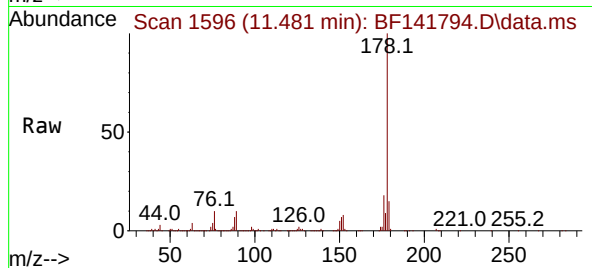
Tgt Ion:178 Resp: 326529  
Ion Ratio Lower Upper  
178 100  
176 19.3 16.0 24.0  
179 15.5 12.6 19.0





#72  
Anthracene  
Concen: 5.610 ng  
RT: 11.481 min Scan# 1596  
Delta R.T. -0.006 min  
Lab File: BF141794.D  
Acq: 27 Feb 2025 15:46

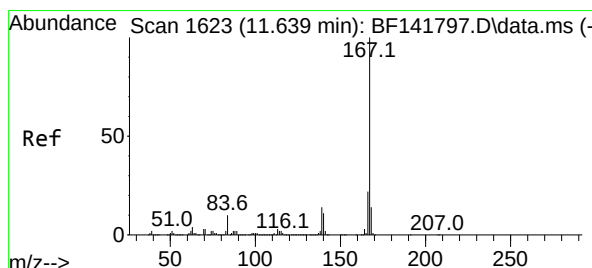
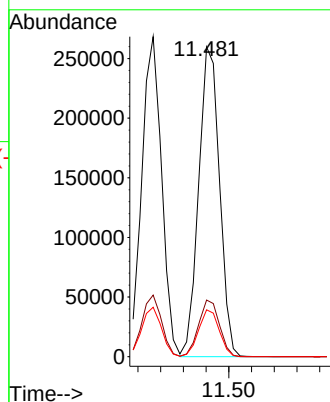
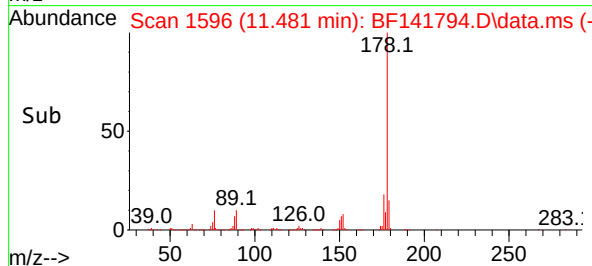
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC005



Tgt Ion:178 Resp: 331149  
Ion Ratio Lower Upper  
178 100  
176 18.3 15.4 23.0  
179 15.2 12.8 19.2

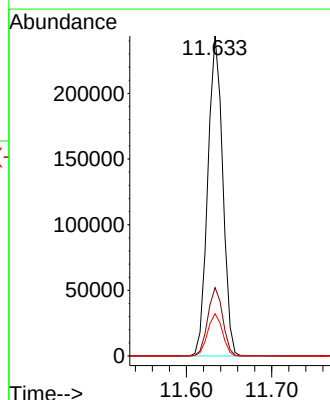
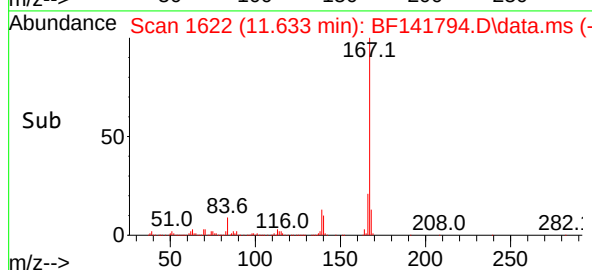
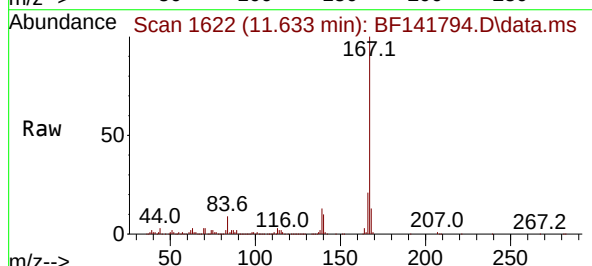
Manual Integrations  
APPROVED

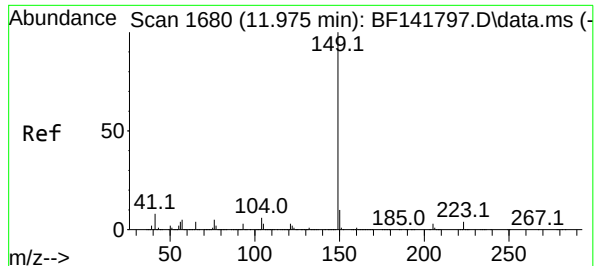
Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025



#73  
Carbazole  
Concen: 5.673 ng  
RT: 11.633 min Scan# 1622  
Delta R.T. -0.006 min  
Lab File: BF141794.D  
Acq: 27 Feb 2025 15:46

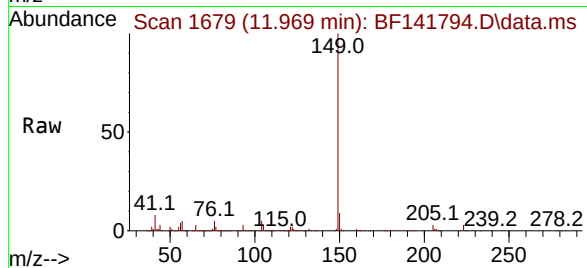
Tgt Ion:167 Resp: 295693  
Ion Ratio Lower Upper  
167 100  
166 21.4 17.5 26.3  
139 13.2 11.3 16.9





#74  
Di-n-butylphthalate  
Concen: 5.560 ng  
RT: 11.969 min Scan# 1679  
Delta R.T. -0.006 min  
Lab File: BF141794.D  
Acq: 27 Feb 2025 15:46

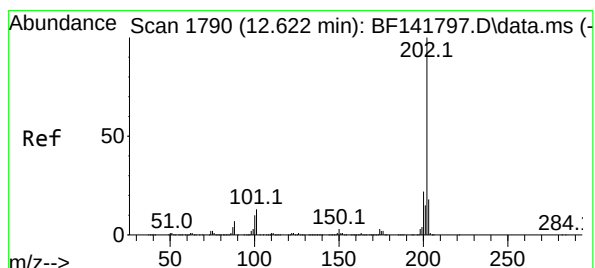
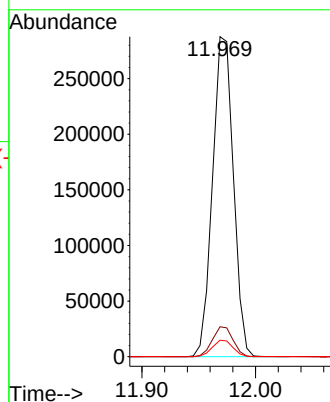
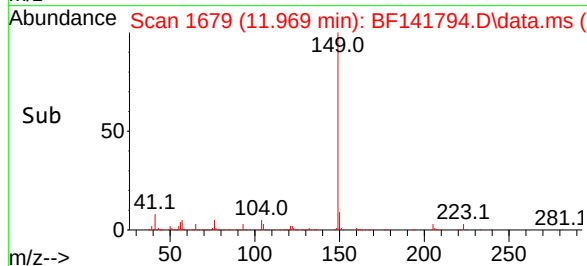
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC005



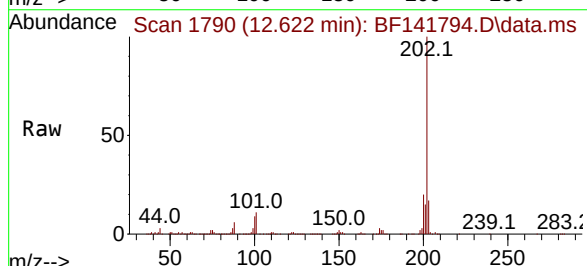
Tgt Ion:149 Resp: 367349  
Ion Ratio Lower Upper  
149 100  
150 9.4 7.7 11.5  
104 5.1 4.4 6.6

Manual Integrations  
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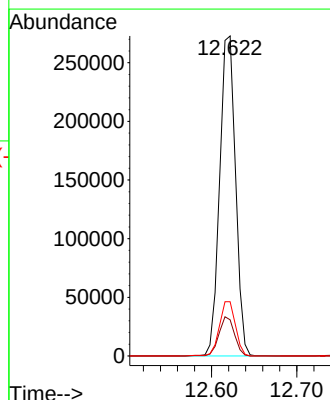
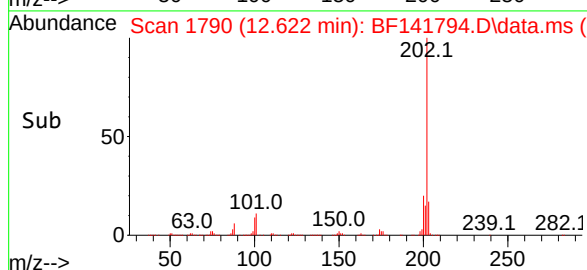
Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025

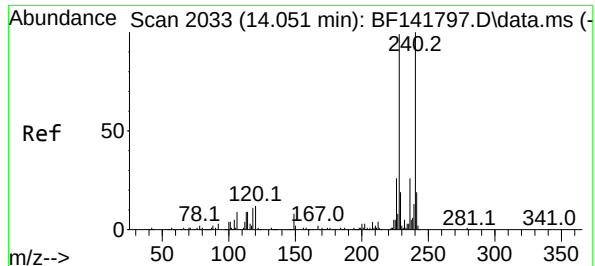


#75  
Fluoranthene  
Concen: 5.861 ng  
RT: 12.622 min Scan# 1790  
Delta R.T. -0.000 min  
Lab File: BF141794.D  
Acq: 27 Feb 2025 15:46



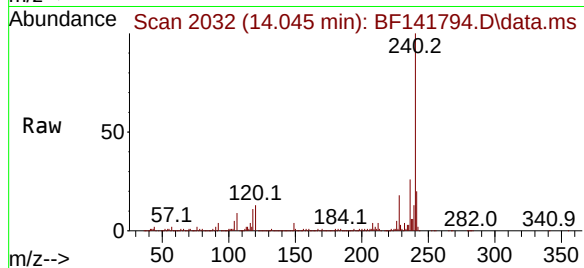
Tgt Ion:202 Resp: 353684  
Ion Ratio Lower Upper  
202 100  
101 11.3 0.0 32.8  
203 16.9 0.0 38.0





#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.045 min Scan# 2033  
Delta R.T. -0.006 min  
Lab File: BF141794.D  
Acq: 27 Feb 2025 15:46

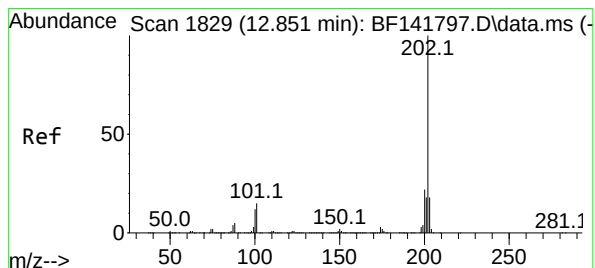
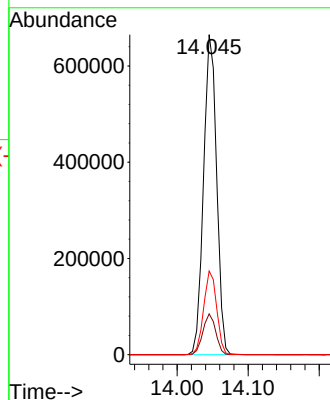
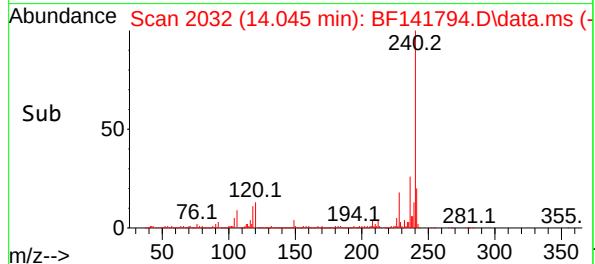
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC005



Tgt Ion:240 Resp: 85255  
Ion Ratio Lower Upper  
240 100  
120 12.8 9.7 14.5  
236 26.2 21.0 31.4

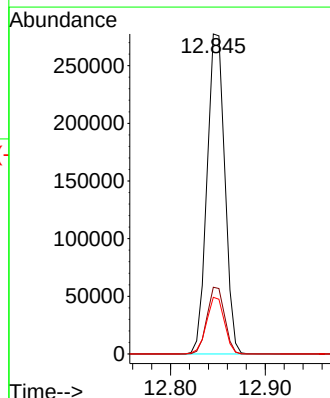
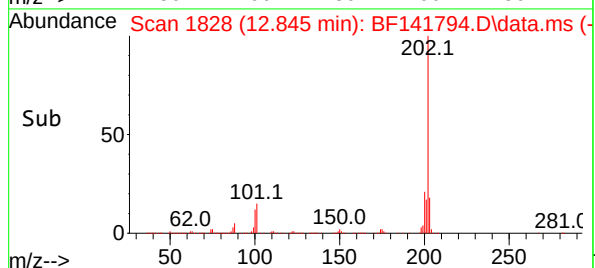
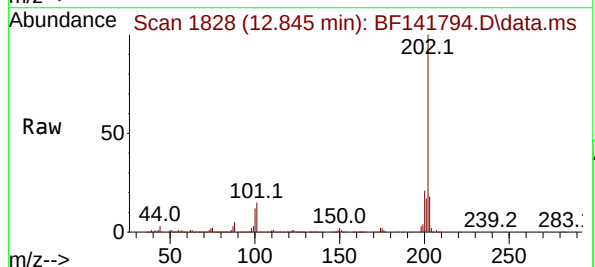
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025

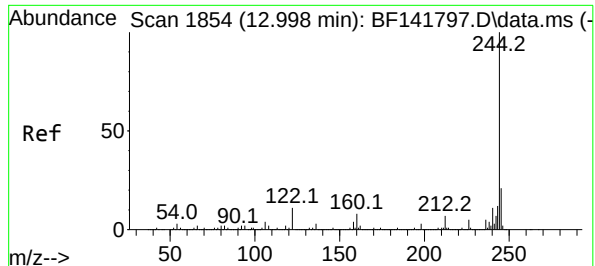


#78  
Pyrene  
Concen: 4.903 ng  
RT: 12.845 min Scan# 1828  
Delta R.T. -0.006 min  
Lab File: BF141794.D  
Acq: 27 Feb 2025 15:46

Tgt Ion:202 Resp: 361938  
Ion Ratio Lower Upper  
202 100  
200 20.8 17.4 26.0  
203 17.7 14.6 22.0

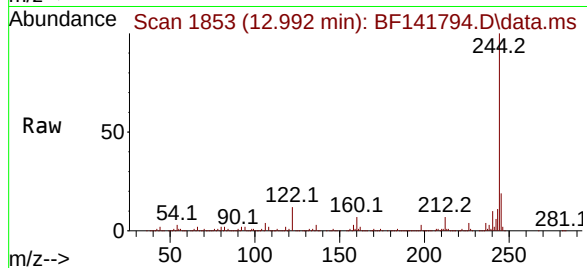






#79  
 Terphenyl-d14  
 Concen: 10.112 ng  
 RT: 12.992 min Scan# 1853  
 Delta R.T. -0.006 min  
 Lab File: BF141794.D  
 Acq: 27 Feb 2025 15:46

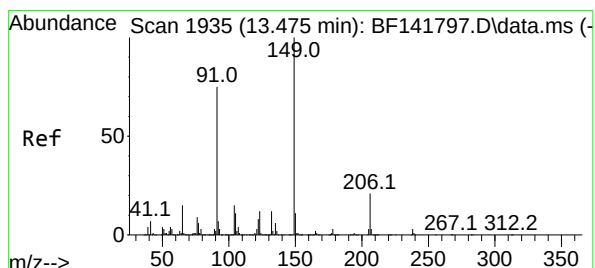
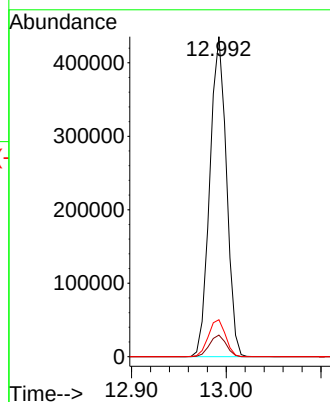
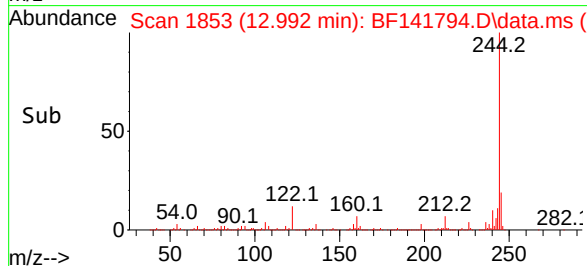
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDICC005



Tgt Ion:244 Resp: 53285  
 Ion Ratio Lower Upper  
 244 100  
 212 6.7 6.0 9.0  
 122 11.5 9.0 13.6

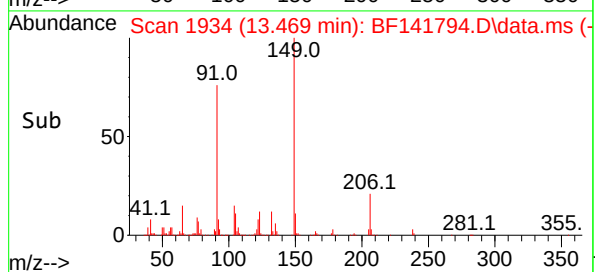
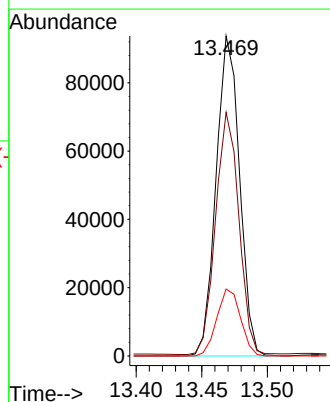
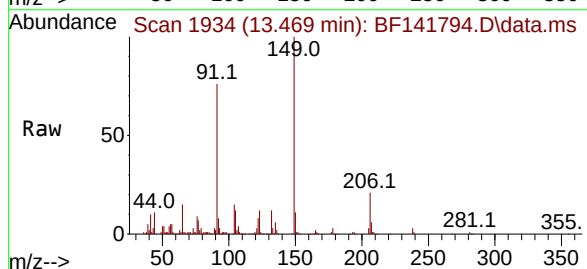
Manual Integrations  
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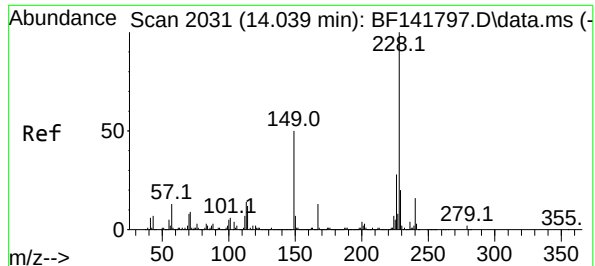
Reviewed By :Yogesh Patel 02/28/2025  
 Supervised By :mohammad ahmed 02/28/2025



#80  
 Butylbenzylphthalate  
 Concen: 4.341 ng  
 RT: 13.469 min Scan# 1934  
 Delta R.T. -0.006 min  
 Lab File: BF141794.D  
 Acq: 27 Feb 2025 15:46

Tgt Ion:149 Resp: 116439  
 Ion Ratio Lower Upper  
 149 100  
 91 76.1 60.1 90.1  
 206 20.9 16.8 25.2





#81

Benzo(a)anthracene

Concen: 5.174 ng

RT: 14.033 min Scan# 2031

Delta R.T. -0.006 min

Lab File: BF141794.D

Acq: 27 Feb 2025 15:46

Instrument :

BNA\_F

ClientSampleId :

SSTDICC005

Tgt Ion:228 Resp: 29137

Ion Ratio Lower Upper

228 100

226 26.5 22.1 33.1

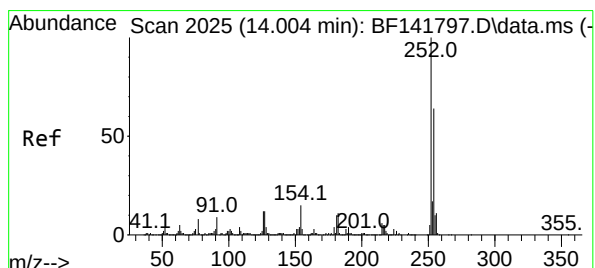
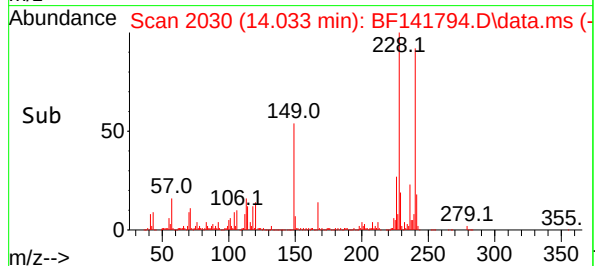
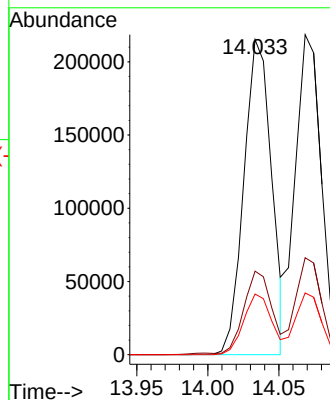
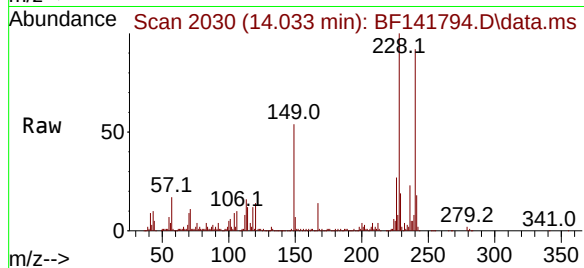
229 19.3 16.1 24.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/28/2025

Supervised By :mohammad ahmed 02/28/2025



#82

3,3'-Dichlorobenzidine

Concen: 5.353 ng

RT: 13.998 min Scan# 2024

Delta R.T. -0.006 min

Lab File: BF141794.D

Acq: 27 Feb 2025 15:46

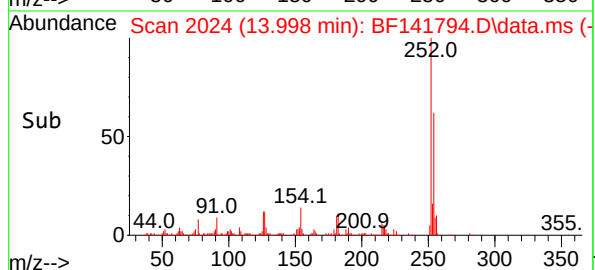
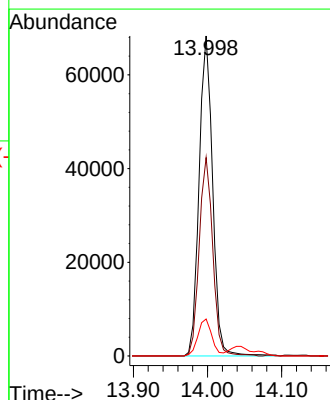
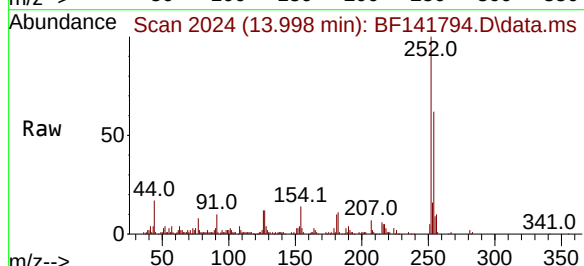
Tgt Ion:252 Resp: 86483

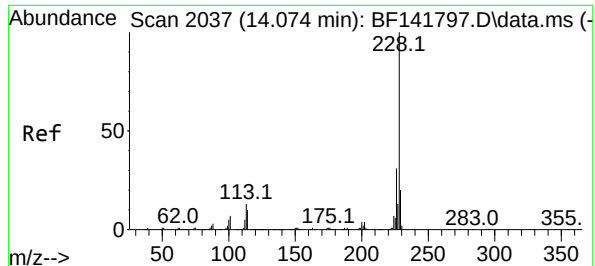
Ion Ratio Lower Upper

252 100

254 62.0 51.4 77.0

126 11.6 9.8 14.6





#83  
Chrysene  
Concen: 5.348 ng  
RT: 14.069 min Scan# 2036  
Delta R.T. -0.006 min  
Lab File: BF141794.D  
Acq: 27 Feb 2025 15:46

Instrument :

BNA\_F

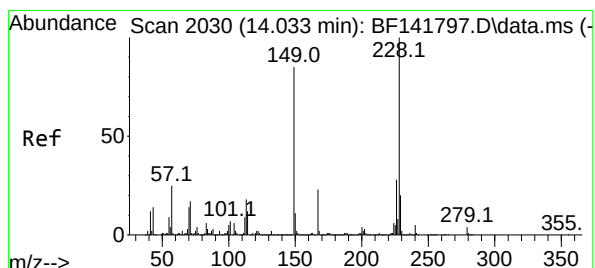
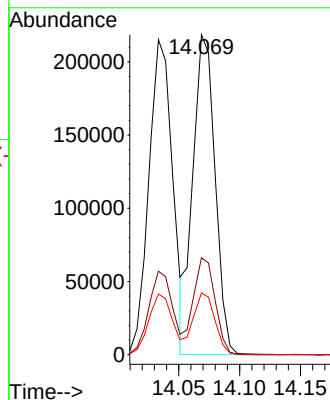
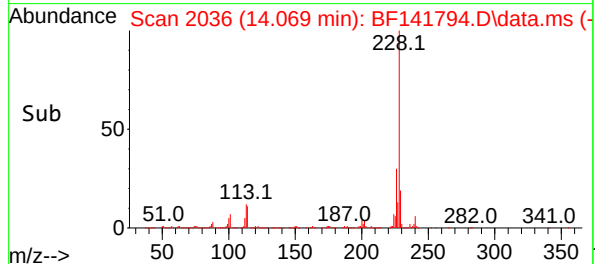
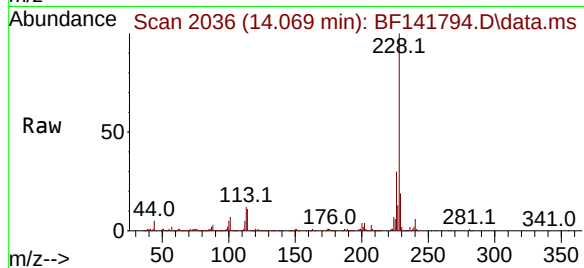
ClientSampleId :

SSTDICC005

Tgt Ion:228 Resp: 277632  
Ion Ratio Lower Upper  
228 100  
226 30.3 24.6 37.0  
229 19.3 16.1 24.1

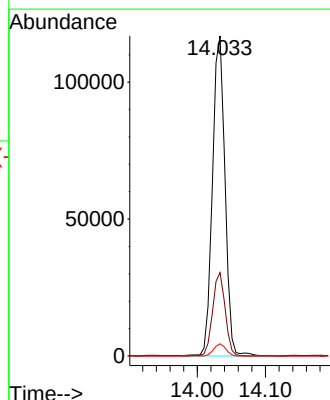
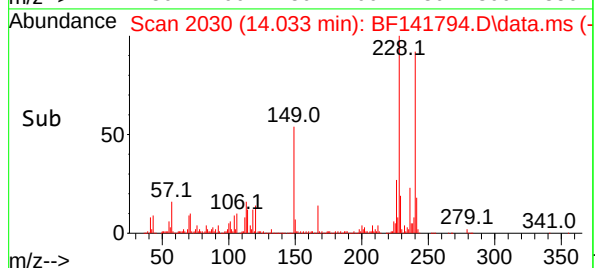
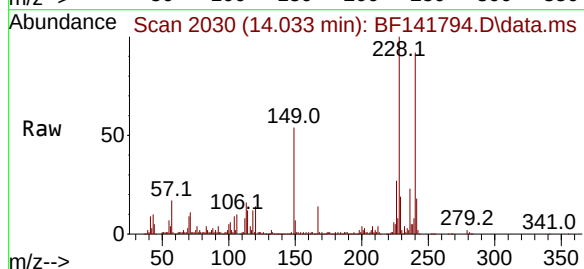
Manual Integrations  
APPROVED

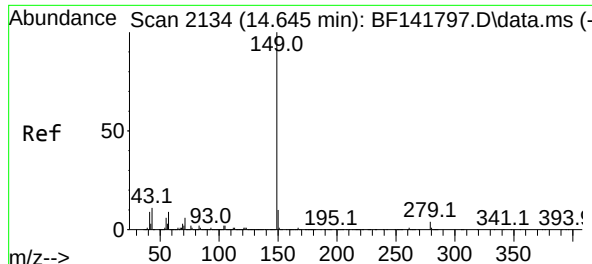
Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025



#84  
Bis(2-ethylhexyl)phthalate  
Concen: 4.482 ng  
RT: 14.033 min Scan# 2030  
Delta R.T. -0.000 min  
Lab File: BF141794.D  
Acq: 27 Feb 2025 15:46

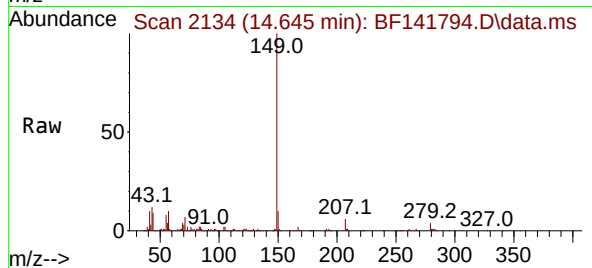
Tgt Ion:149 Resp: 149689  
Ion Ratio Lower Upper  
149 100  
167 26.1 21.2 31.8  
279 3.8 3.3 4.9





#85  
Di-n-octyl phthalate  
Concen: 3.848 ng  
RT: 14.645 min Scan# 2134  
Delta R.T. -0.000 min  
Lab File: BF141794.D  
Acq: 27 Feb 2025 15:46

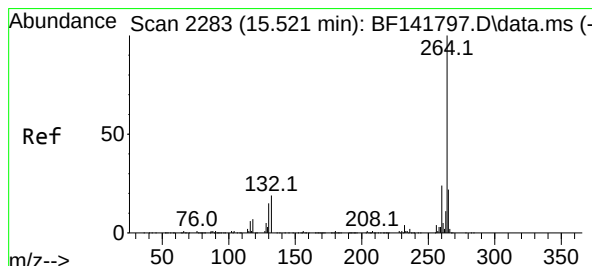
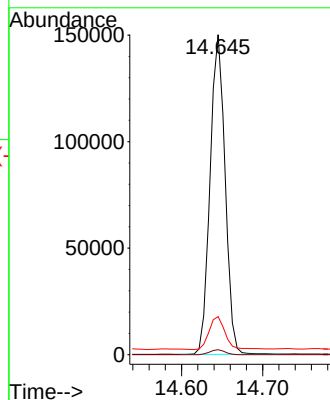
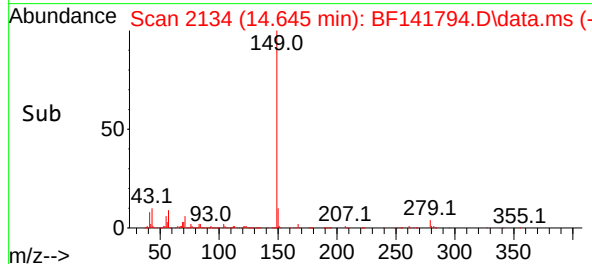
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDIC005



Tgt Ion:149 Resp: 192390  
Ion Ratio Lower Upper  
149 100  
167 1.6 1.2 1.8  
43 11.2 8.6 12.8

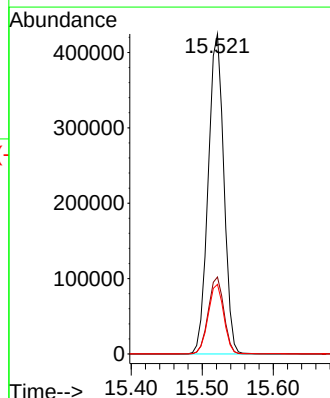
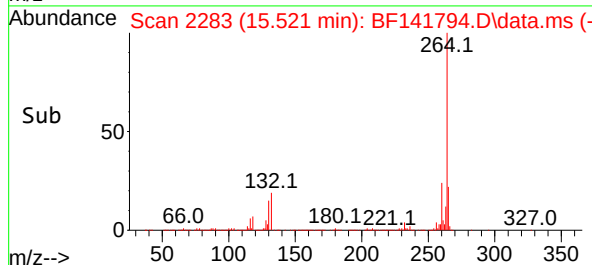
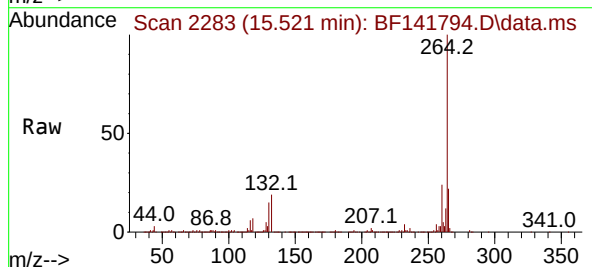
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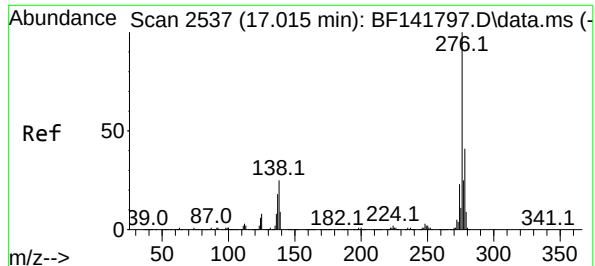
Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.521 min Scan# 2283  
Delta R.T. -0.000 min  
Lab File: BF141794.D  
Acq: 27 Feb 2025 15:46

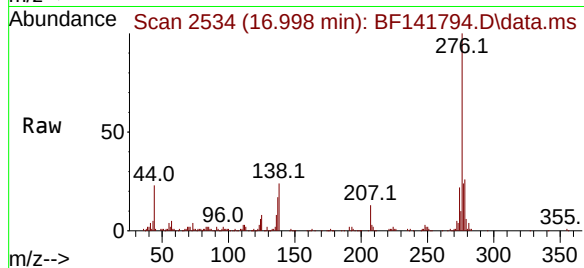
Tgt Ion:264 Resp: 648925  
Ion Ratio Lower Upper  
264 100  
260 24.0 18.9 28.3  
265 21.8 17.4 26.0





#87  
Indeno(1,2,3-cd)pyrene  
Concen: 4.309 ng  
RT: 16.998 min Scan# 2109  
Delta R.T. -0.018 min  
Lab File: BF141794.D  
Acq: 27 Feb 2025 15:46

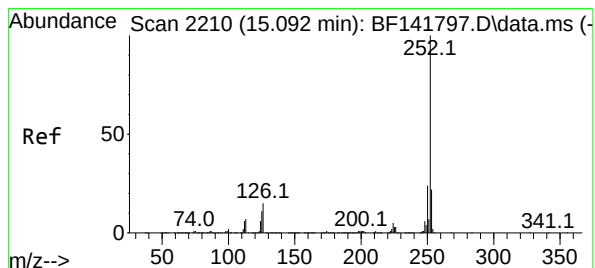
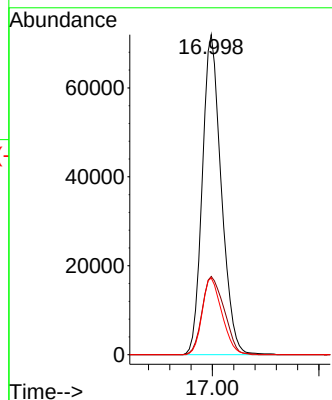
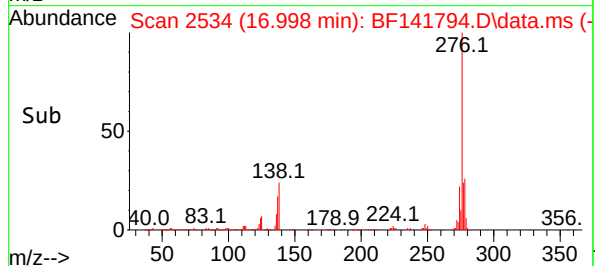
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC005



Tgt Ion:276 Resp: 178035  
Ion Ratio Lower Upper  
276 100  
138 28.4 22.5 33.7  
277 25.0 20.3 30.5

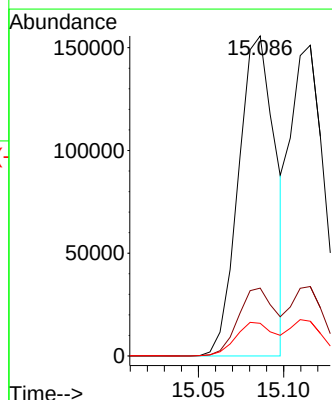
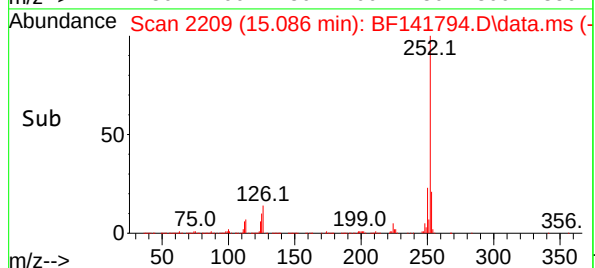
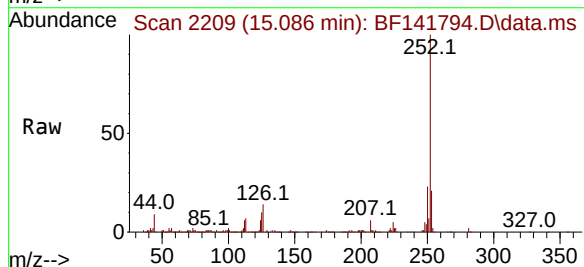
Manual Integrations  
APPROVED

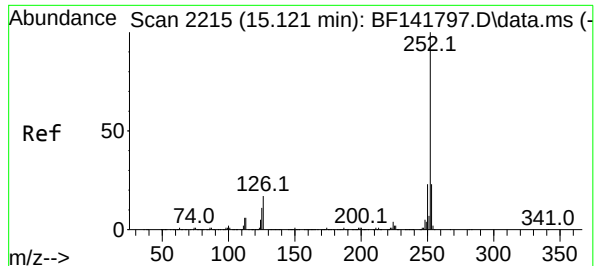
Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025



#88  
Benzo(b)fluoranthene  
Concen: 5.294 ng  
RT: 15.086 min Scan# 2209  
Delta R.T. -0.006 min  
Lab File: BF141794.D  
Acq: 27 Feb 2025 15:46

Tgt Ion:252 Resp: 233991  
Ion Ratio Lower Upper  
252 100  
253 21.2 17.7 26.5  
125 10.2 8.6 13.0





#89

Benzo(k)fluoranthene

Concen: 5.499 ng

RT: 15.116 min Scan# 2214

Delta R.T. -0.006 min

Lab File: BF141794.D

Acq: 27 Feb 2025 15:46

Instrument :

BNA\_F

ClientSampleId :

SSTDICC005

Tgt Ion:252 Resp: 206614

Ion Ratio Lower Upper

252 100

253 22.3 17.8 26.8

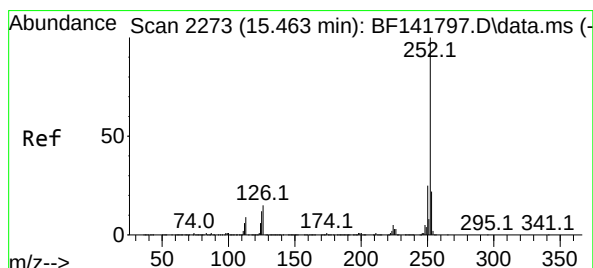
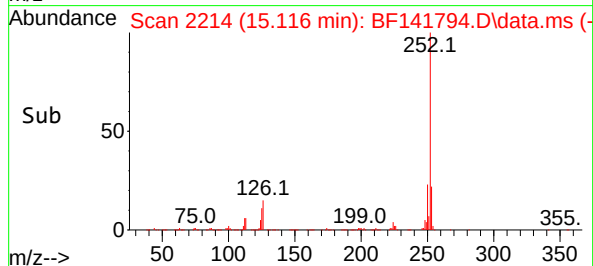
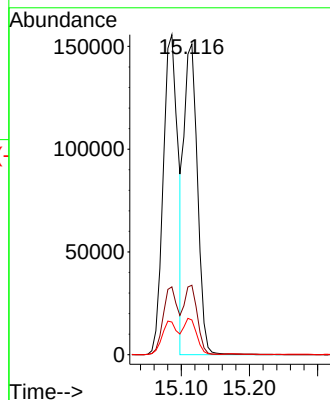
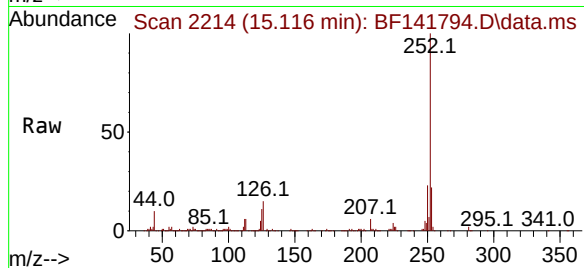
125 11.2 8.8 13.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/28/2025

Supervised By :mohammad ahmed 02/28/2025



#90

Benzo(a)pyrene

Concen: 5.091 ng

RT: 15.451 min Scan# 2271

Delta R.T. -0.012 min

Lab File: BF141794.D

Acq: 27 Feb 2025 15:46

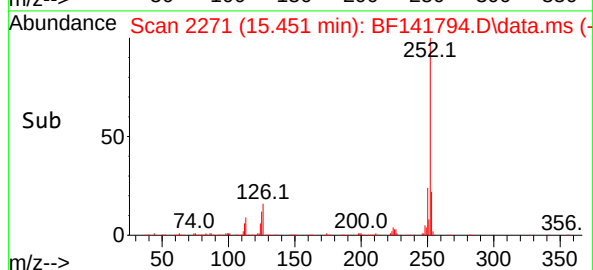
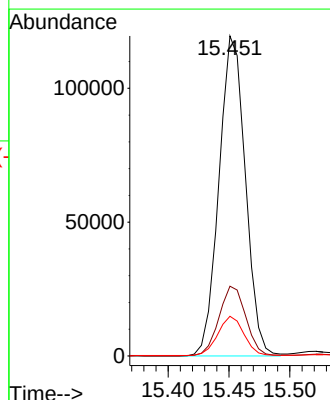
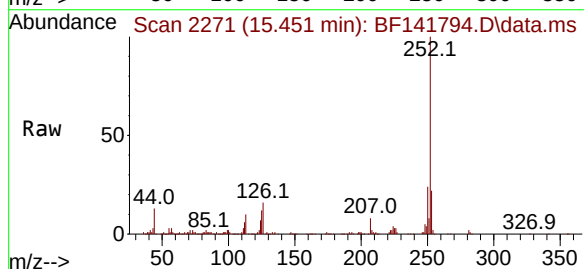
Tgt Ion:252 Resp: 180486

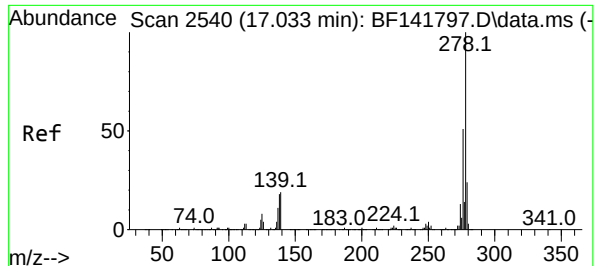
Ion Ratio Lower Upper

252 100

253 21.8 17.5 26.3

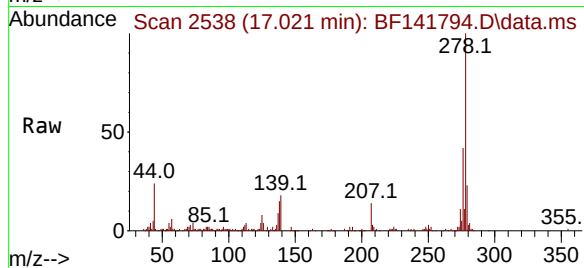
125 12.4 9.4 14.2





#91  
Dibenzo(a,h)anthracene  
Concen: 4.337 ng  
RT: 17.021 min Scan# 21  
Delta R.T. -0.012 min  
Lab File: BF141794.D  
Acq: 27 Feb 2025 15:46

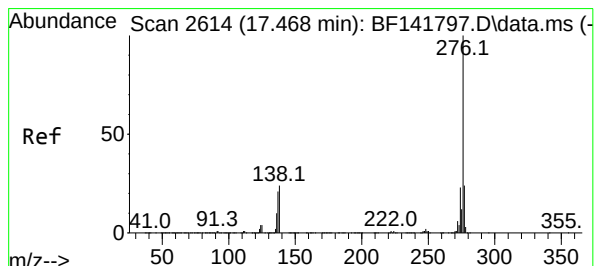
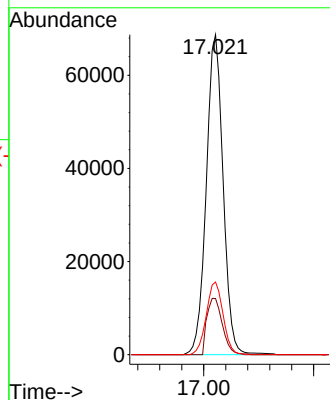
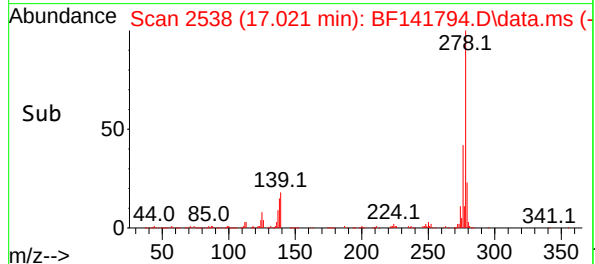
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC005



Tgt Ion:278 Resp: 146279  
Ion Ratio Lower Upper  
278 100  
139 17.5 14.9 22.3  
279 22.7 19.3 28.9

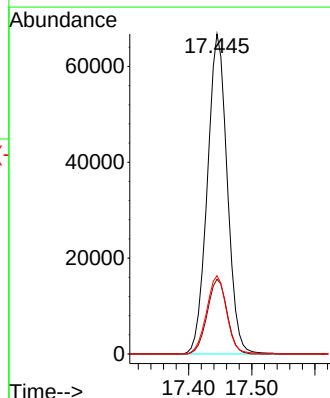
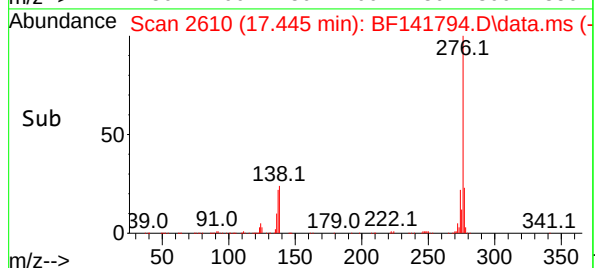
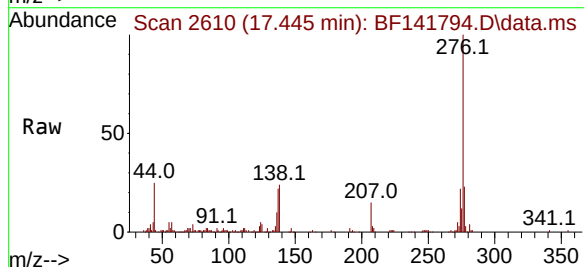
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025



#92  
Benzo(g,h,i)perylene  
Concen: 4.218 ng  
RT: 17.445 min Scan# 2610  
Delta R.T. -0.024 min  
Lab File: BF141794.D  
Acq: 27 Feb 2025 15:46

Tgt Ion:276 Resp: 145755  
Ion Ratio Lower Upper  
276 100  
277 23.4 19.4 29.0  
138 24.4 19.3 28.9



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF022725\  
 Data File : BF141795.D  
 Acq On : 27 Feb 2025 16:16  
 Operator : RC/JU  
 Sample : SSTDICC010  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

## Instrument :

BNA\_F

## ClientSampleId :

SSTDICC010

## Manual Integrations

## APPROVED

Reviewed By :Yogesh Patel 02/28/2025

Supervised By :mohammad ahmed 02/28/2025

Quant Time: Feb 28 01:24:15 2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF022725.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Feb 28 01:19:57 2025

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.887  | 152  | 289266   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.169  | 136  | 1173835  | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.922  | 164  | 647904   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.410 | 188  | 1098842  | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 14.045 | 240  | 800194   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12              | 15.521 | 264  | 586419   | 20.000 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.493  | 112  | 380350   | 20.998 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.498  | 99   | 493731   | 20.942 | ng    | -0.01    |
| 23) Nitrobenzene-d5           | 7.445  | 82   | 318362   | 17.336 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.710 | 330  | 116043   | 19.078 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.239  | 172  | 898797   | 22.244 | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.992 | 244  | 986786   | 19.952 | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.687  | 88   | 80189    | 9.757  | ng    | 99       |
| 3) Pyridine                   | 3.451  | 79   | 204276   | 9.989  | ng    | 99       |
| 4) n-Nitrosodimethylamine     | 3.381  | 42   | 96264    | 9.784  | ng    | # 97     |
| 6) Aniline                    | 6.545  | 93   | 249709   | 10.243 | ng    | 99       |
| 8) 2-Chlorophenol             | 6.669  | 128  | 203282   | 10.375 | ng    | 97       |
| 9) Benzaldehyde               | 6.434  | 77   | 157352   | 11.474 | ng    | 99       |
| 10) Phenol                    | 6.510  | 94   | 263599m  | 10.494 | ng    |          |
| 11) bis(2-Chloroethyl)ether   | 6.616  | 93   | 198994   | 10.362 | ng    | 100      |
| 12) 1,3-Dichlorobenzene       | 6.828  | 146  | 219862   | 10.478 | ng    | 98       |
| 13) 1,4-Dichlorobenzene       | 6.904  | 146  | 221703   | 10.486 | ng    | 100      |
| 14) 1,2-Dichlorobenzene       | 7.057  | 146  | 208788   | 10.575 | ng    | 99       |
| 15) Benzyl Alcohol            | 7.016  | 79   | 195649   | 10.384 | ng    | 98       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.163  | 45   | 302932   | 10.387 | ng    | 99       |
| 17) 2-Methylphenol            | 7.122  | 107  | 163693   | 10.121 | ng    | 98       |
| 18) Hexachloroethane          | 7.404  | 117  | 78340    | 9.899  | ng    | 97       |
| 19) n-Nitroso-di-n-propyla... | 7.287  | 70   | 159860   | 10.315 | ng    | 97       |
| 20) 3+4-Methylphenols         | 7.275  | 107  | 218359   | 10.842 | ng    | # 90     |
| 22) Acetophenone              | 7.292  | 105  | 303217   | 10.606 | ng    | # 95     |
| 24) Nitrobenzene              | 7.463  | 77   | 178109   | 9.057  | ng    | 97       |
| 25) Isophorone                | 7.698  | 82   | 400228   | 10.145 | ng    | 99       |
| 26) 2-Nitrophenol             | 7.781  | 139  | 52703    | 9.980  | ng    | 99       |
| 27) 2,4-Dimethylphenol        | 7.810  | 122  | 146519   | 10.103 | ng    | 99       |
| 28) bis(2-Chloroethoxy)met... | 7.910  | 93   | 262861   | 10.445 | ng    | 98       |
| 29) 2,4-Dichlorophenol        | 8.016  | 162  | 169218   | 10.114 | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 8.110  | 180  | 188296   | 10.271 | ng    | 98       |
| 31) Naphthalene               | 8.192  | 128  | 643621   | 10.668 | ng    | 98       |
| 32) Benzoic acid              | 7.875  | 122  | 58209    | 11.729 | ng    | 98       |
| 33) 4-Chloroaniline           | 8.234  | 127  | 230342   | 10.413 | ng    | 99       |
| 34) Hexachlorobutadiene       | 8.310  | 225  | 113140   | 9.931  | ng    | 99       |
| 35) Caprolactam               | 8.569  | 113  | 50734    | 9.855  | ng    | 100      |
| 36) 4-Chloro-3-methylphenol   | 8.698  | 107  | 185621   | 9.987  | ng    | 99       |
| 37) 2-Methylnaphthalene       | 8.881  | 142  | 425720   | 10.758 | ng    | 100      |
| 38) 1-Methylnaphthalene       | 8.981  | 142  | 404087   | 10.642 | ng    | 98       |
| 40) 1,2,4,5-Tetrachloroben... | 9.045  | 216  | 194342   | 10.386 | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 9.033  | 237  | 74446    | 9.533  | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 9.151  | 196  | 119234   | 9.864  | ng    | 100      |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF022725\  
 Data File : BF141795.D  
 Acq On : 27 Feb 2025 16:16  
 Operator : RC/JU  
 Sample : SSTDICC010  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

## Instrument :

BNA\_F

## ClientSampleId :

SSTDICC010

## Manual Integrations

## APPROVED

Reviewed By :Yogesh Patel 02/28/2025

Supervised By :mohammad ahmed 02/28/2025

Quant Time: Feb 28 01:24:15 2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF022725.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Feb 28 01:19:57 2025

Response via : Initial Calibration

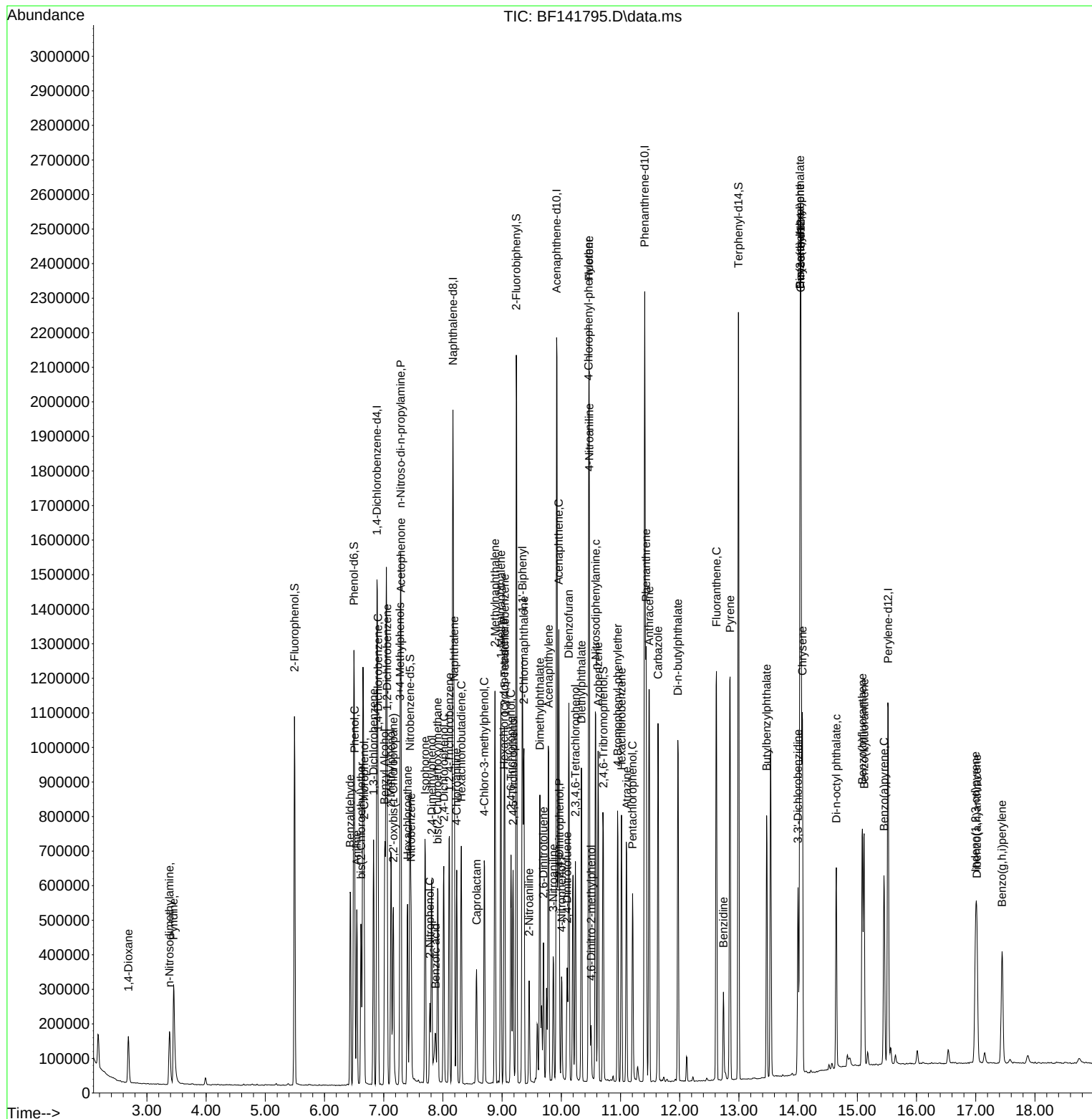
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.186  | 196  | 118017   | 9.860  | ng    | 99       |
| 46) 1,1'-Biphenyl             | 9.345  | 154  | 537368   | 10.896 | ng    | 98       |
| 47) 2-Chloronaphthalene       | 9.369  | 162  | 383444   | 10.535 | ng    | 98       |
| 48) 2-Nitroaniline            | 9.457  | 65   | 60658    | 9.877  | ng    | 96       |
| 49) Acenaphthylene            | 9.786  | 152  | 586066   | 10.739 | ng    | 99       |
| 50) Dimethylphthalate         | 9.639  | 163  | 455190   | 10.491 | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 9.698  | 165  | 59617    | 9.588  | ng    | 98       |
| 52) Acenaphthene              | 9.957  | 154  | 389154   | 10.568 | ng    | 99       |
| 53) 3-Nitroaniline            | 9.863  | 138  | 62569    | 9.606  | ng    | # 91     |
| 54) 2,4-Dinitrophenol         | 9.969  | 184  | 15803    | 10.881 | ng    | # 1      |
| 55) Dibenzofuran              | 10.128 | 168  | 581120   | 10.843 | ng    | 97       |
| 56) 4-Nitrophenol             | 10.004 | 139  | 51406    | 8.022  | ng    | 94       |
| 57) 2,4-Dinitrotoluene        | 10.098 | 165  | 64291    | 9.401  | ng    | 97       |
| 58) Fluorene                  | 10.469 | 166  | 442697   | 11.027 | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.239 | 232  | 101729   | 9.772  | ng    | 99       |
| 60) Diethylphthalate          | 10.339 | 149  | 457600   | 10.520 | ng    | 98       |
| 61) 4-Chlorophenyl-phenyle... | 10.463 | 204  | 215289   | 10.703 | ng    | 98       |
| 62) 4-Nitroaniline            | 10.475 | 138  | 60552    | 8.172  | ng    | 94       |
| 63) Azobenzene                | 10.622 | 77   | 486878   | 10.631 | ng    | 98       |
| 65) 4,6-Dinitro-2-methylph... | 10.504 | 198  | 23863    | 11.957 | ng    | 98       |
| 66) n-Nitrosodiphenylamine    | 10.580 | 169  | 374119   | 10.369 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 10.951 | 248  | 130467   | 10.165 | ng    | 99       |
| 68) Hexachlorobenzene         | 11.016 | 284  | 136626   | 10.081 | ng    | 97       |
| 69) Atrazine                  | 11.104 | 200  | 114276   | 11.517 | ng    | 99       |
| 70) Pentachlorophenol         | 11.204 | 266  | 80231    | 9.334  | ng    | 99       |
| 71) Phenanthrene              | 11.433 | 178  | 632699   | 10.764 | ng    | 99       |
| 72) Anthracene                | 11.486 | 178  | 635314   | 10.785 | ng    | 99       |
| 73) Carbazole                 | 11.633 | 167  | 554900   | 10.667 | ng    | 99       |
| 74) Di-n-butylphthalate       | 11.969 | 149  | 709254   | 10.756 | ng    | 99       |
| 75) Fluoranthene              | 12.621 | 202  | 668370   | 11.098 | ng    | 98       |
| 77) Benzidine                 | 12.739 | 184  | 136857   | 13.588 | ng    | 99       |
| 78) Pyrene                    | 12.851 | 202  | 674877   | 9.740  | ng    | 99       |
| 80) Butylbenzylphthalate      | 13.469 | 149  | 231474   | 9.194  | ng    | 98       |
| 81) Benzo(a)anthracene        | 14.033 | 228  | 554778   | 10.496 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 13.998 | 252  | 152147   | 10.033 | ng    | 99       |
| 83) Chrysene                  | 14.074 | 228  | 473612   | 9.721  | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 14.033 | 149  | 278482   | 8.884  | ng    | 99       |
| 85) Di-n-octyl phthalate      | 14.645 | 149  | 368711   | 7.857  | ng    | 100      |
| 87) Indeno(1,2,3-cd)pyrene    | 16.998 | 276  | 330014   | 8.838  | ng    | 99       |
| 88) Benzo(b)fluoranthene      | 15.086 | 252  | 409420   | 10.250 | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 15.115 | 252  | 363518   | 10.707 | ng    | 99       |
| 90) Benzo(a)pyrene            | 15.451 | 252  | 317564   | 9.913  | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 17.021 | 278  | 272918   | 8.954  | ng    | 98       |
| 92) Benzo(g,h,i)perylene      | 17.445 | 276  | 272428   | 8.724  | ng    | 98       |

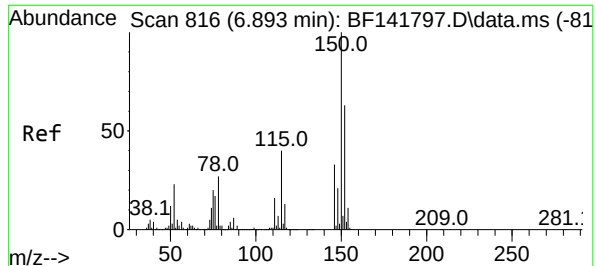
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

## Manual Integrations APPROVED

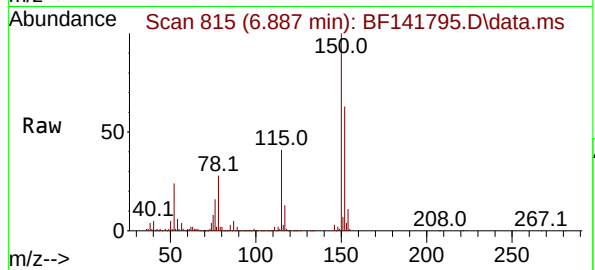
Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025





#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.887 min Scan# 816  
Delta R.T. -0.006 min  
Lab File: BF141795.D  
Acq: 27 Feb 2025 16:16

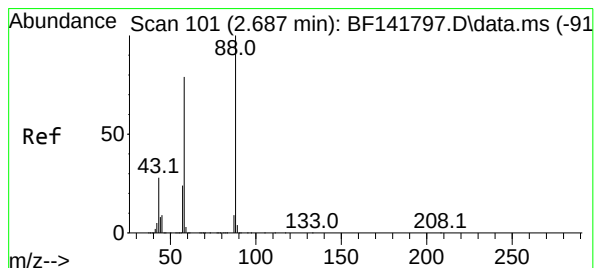
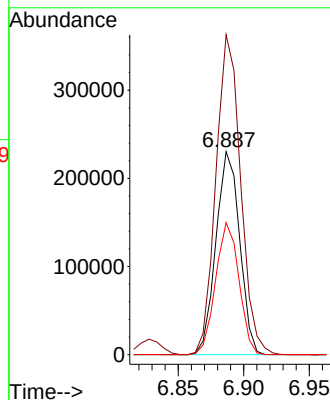
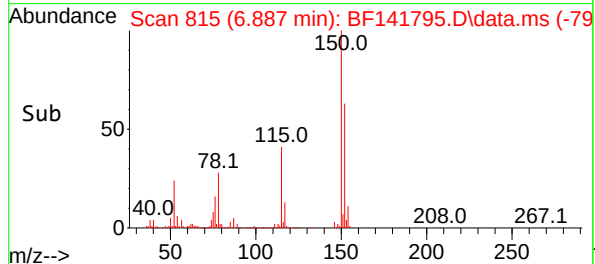
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC010



Tgt Ion:152 Resp: 289260  
Ion Ratio Lower Upper  
152 100  
150 157.6 127.5 191.3  
115 65.0 51.4 77.2

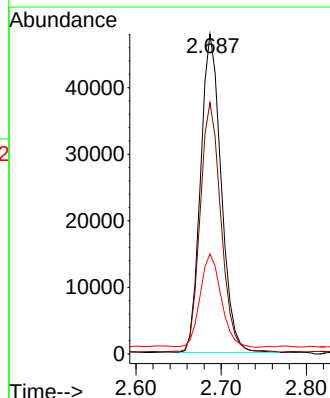
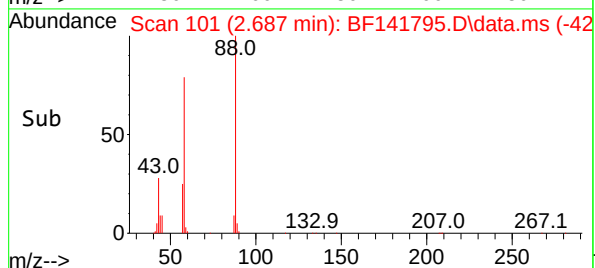
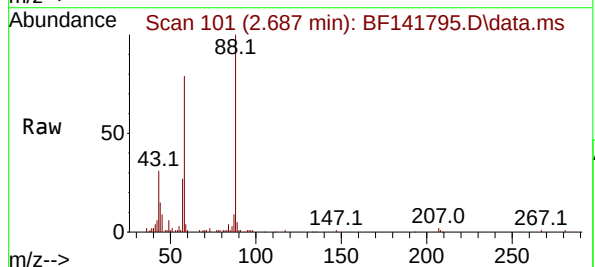
Manual Integrations  
APPROVED

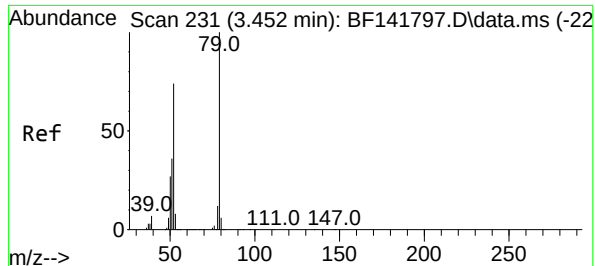
Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025



#2  
1,4-Dioxane  
Concen: 9.757 ng  
RT: 2.687 min Scan# 101  
Delta R.T. -0.000 min  
Lab File: BF141795.D  
Acq: 27 Feb 2025 16:16

Tgt Ion: 88 Resp: 80189  
Ion Ratio Lower Upper  
88 100  
58 79.3 63.9 95.9  
43 30.0 23.0 34.6





#3

Pyridine

Concen: 9.989 ng

RT: 3.451 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF141795.D

Acq: 27 Feb 2025 16:16

Instrument :

BNA\_F

ClientSampleId :

SSTDICC010

Tgt Ion: 79 Resp: 204270

Ion Ratio Lower Upper

79 100

52 73.2 59.0 88.4

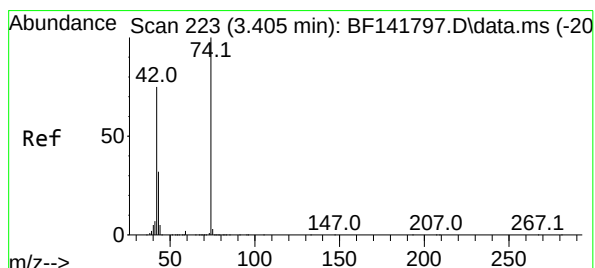
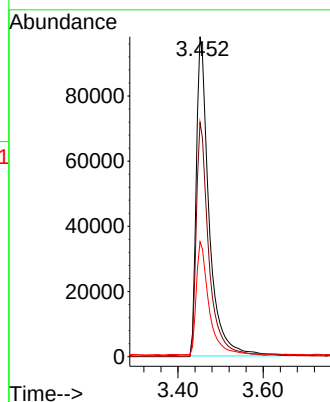
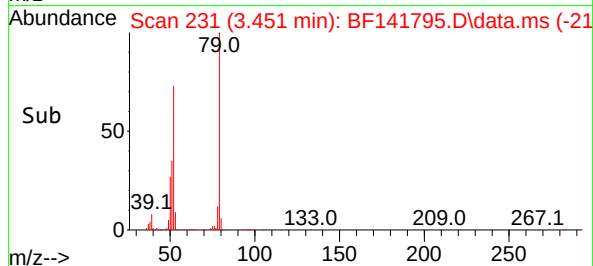
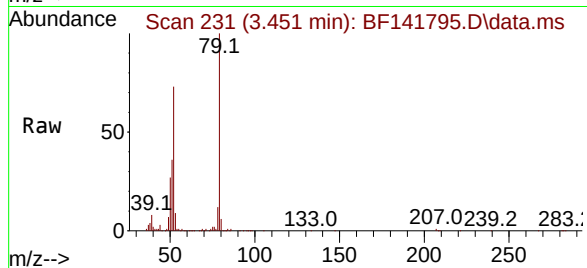
51 35.9 29.0 43.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/28/2025

Supervised By :mohammad ahmed 02/28/2025



#4

n-Nitrosodimethylamine

Concen: 9.784 ng

RT: 3.381 min Scan# 219

Delta R.T. -0.024 min

Lab File: BF141795.D

Acq: 27 Feb 2025 16:16

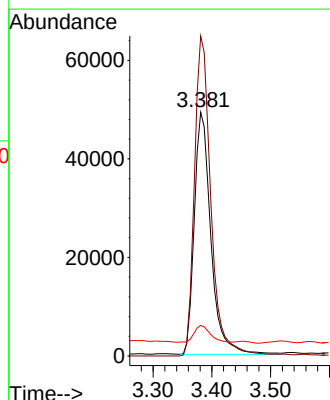
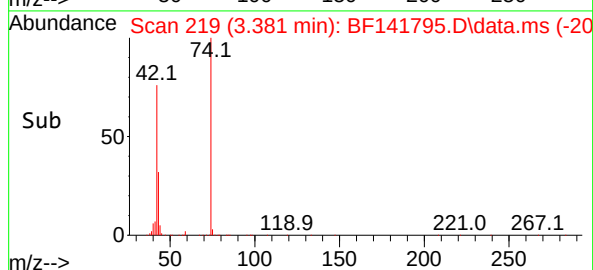
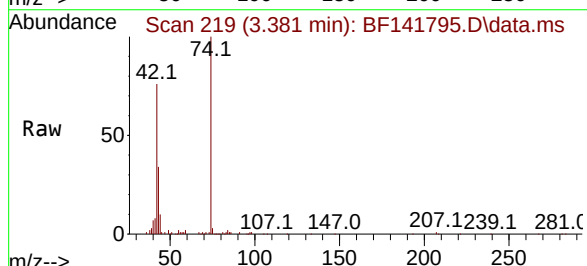
Tgt Ion: 42 Resp: 96264

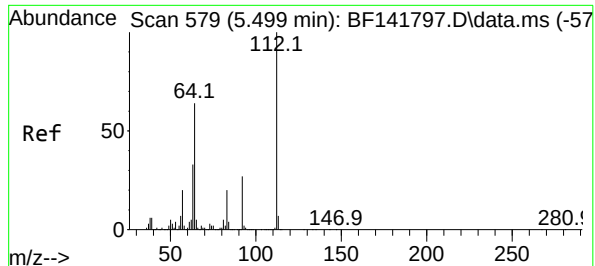
Ion Ratio Lower Upper

42 100

74 131.3 107.1 160.7

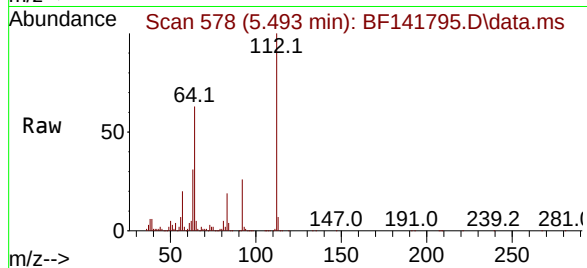
44 12.5 6.6 9.8#





#5  
2-Fluorophenol  
Concen: 20.998 ng  
RT: 5.493 min Scan# 51  
Delta R.T. -0.006 min  
Lab File: BF141795.D  
Acq: 27 Feb 2025 16:16

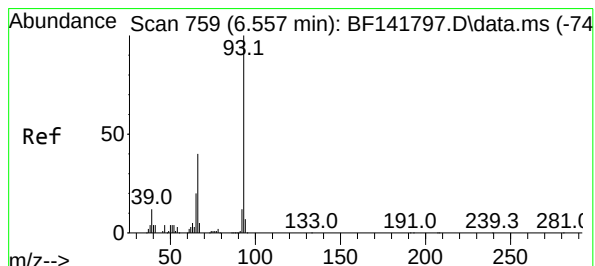
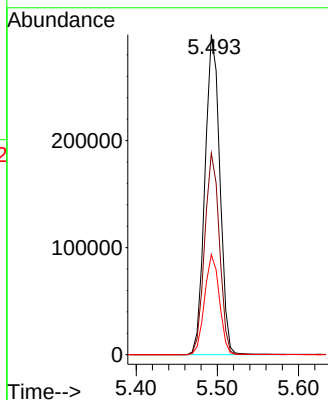
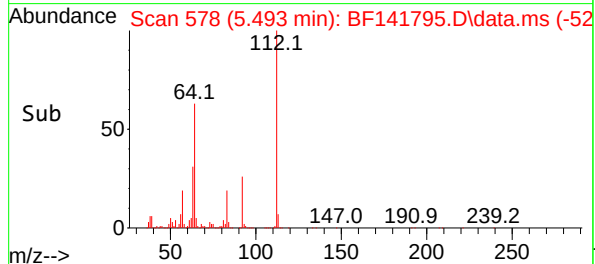
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC010



Tgt Ion: 112 Resp: 380350  
Ion Ratio Lower Upper  
112 100  
64 63.0 51.3 76.9  
63 31.3 26.2 39.4

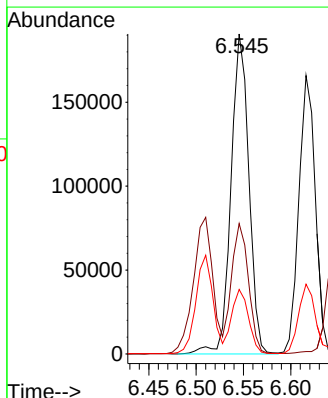
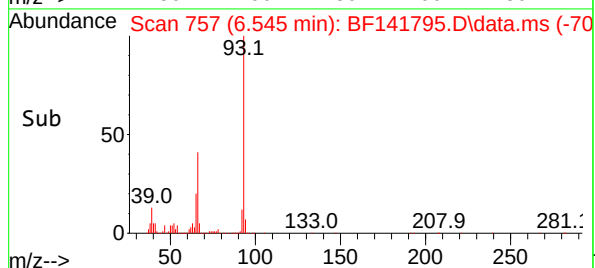
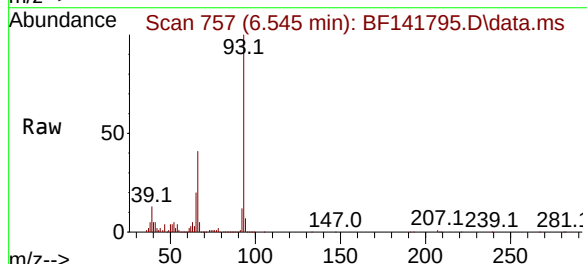
Manual Integrations  
APPROVED

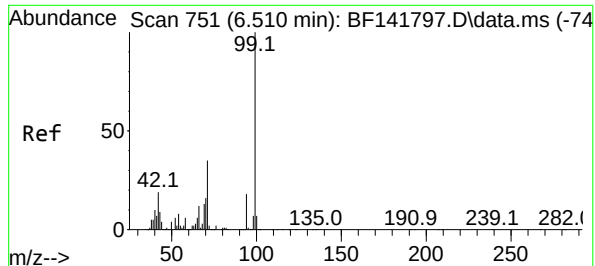
Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025



#6  
Aniline  
Concen: 10.243 ng  
RT: 6.545 min Scan# 757  
Delta R.T. -0.012 min  
Lab File: BF141795.D  
Acq: 27 Feb 2025 16:16

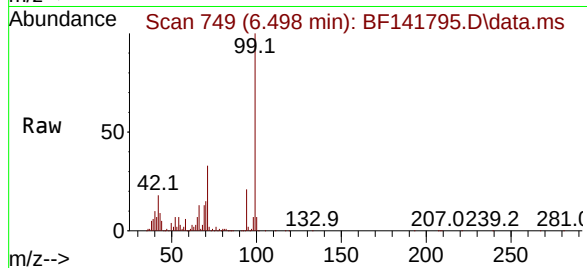
Tgt Ion: 93 Resp: 249709  
Ion Ratio Lower Upper  
93 100  
66 40.8 32.3 48.5  
65 20.2 15.9 23.9





#7  
Phenol-d6  
Concen: 20.942 ng  
RT: 6.498 min Scan# 749  
Delta R.T. -0.012 min  
Lab File: BF141795.D  
Acq: 27 Feb 2025 16:16

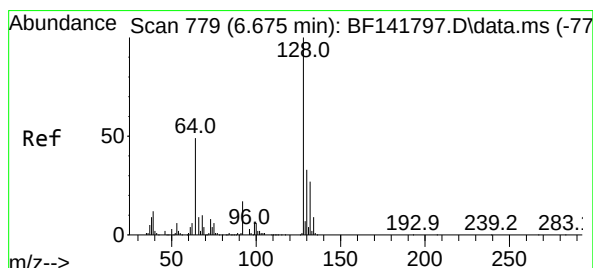
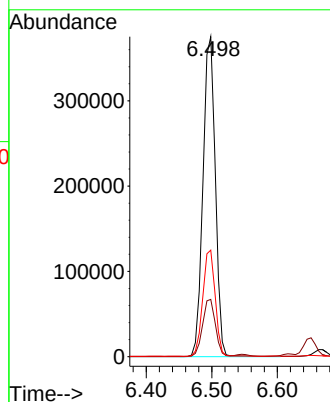
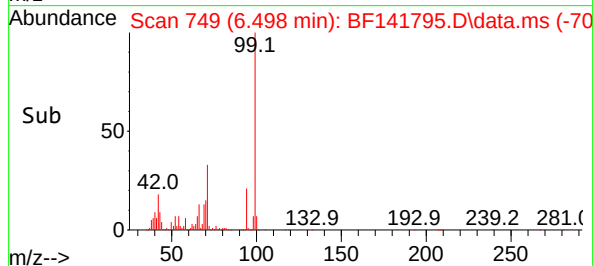
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC010



Tgt Ion: 99 Resp: 49373  
Ion Ratio Lower Upper  
99 100  
42 17.9 15.2 22.8  
71 33.3 28.2 42.2

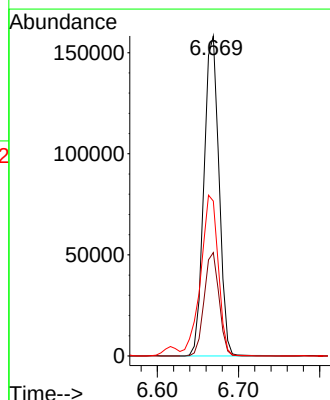
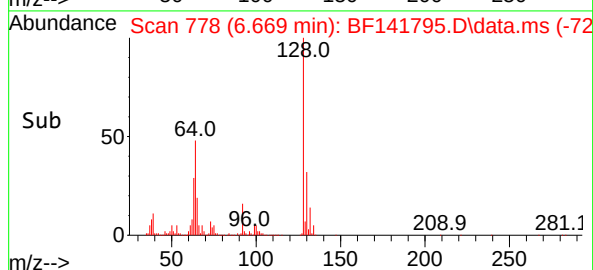
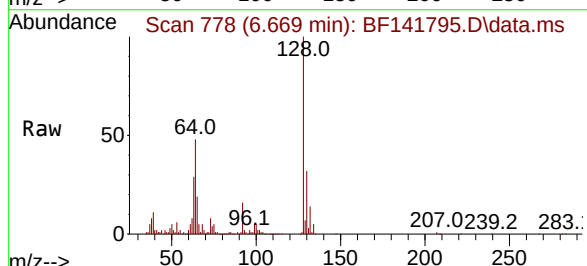
Manual Integrations  
APPROVED

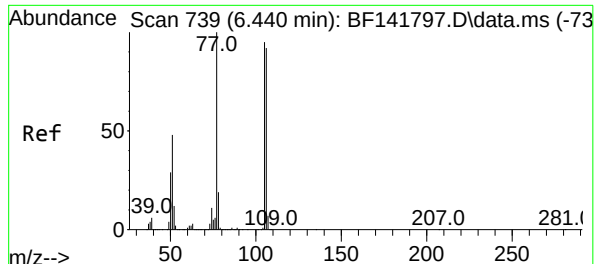
Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025



#8  
2-Chlorophenol  
Concen: 10.375 ng  
RT: 6.669 min Scan# 778  
Delta R.T. -0.006 min  
Lab File: BF141795.D  
Acq: 27 Feb 2025 16:16

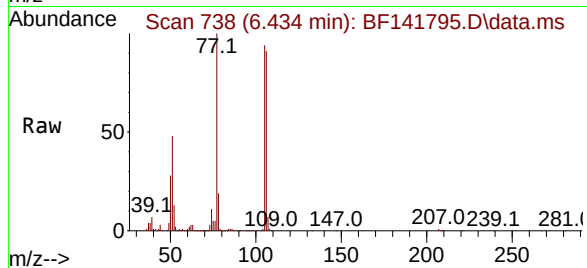
Tgt Ion:128 Resp: 203282  
Ion Ratio Lower Upper  
128 100  
130 32.3 12.6 52.6  
64 48.4 31.1 71.1





#9  
Benzaldehyde  
Concen: 11.474 ng  
RT: 6.434 min Scan# 710  
Delta R.T. -0.006 min  
Lab File: BF141795.D  
Acq: 27 Feb 2025 16:16

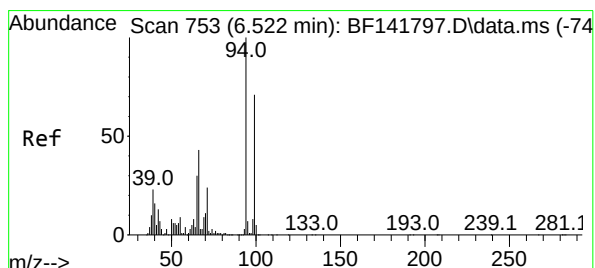
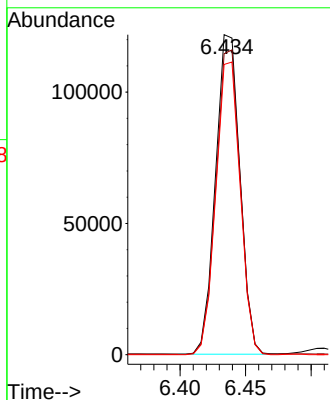
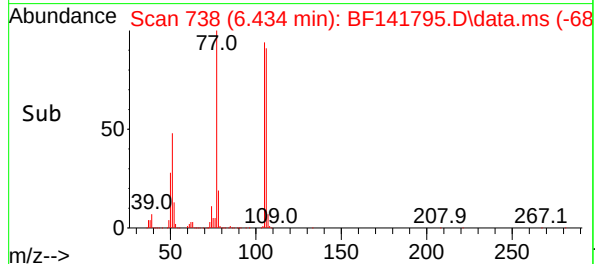
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC010



Tgt Ion: 77 Resp: 157352  
Ion Ratio Lower Upper  
77 100  
105 94.0 75.3 115.3  
106 90.7 72.3 112.3

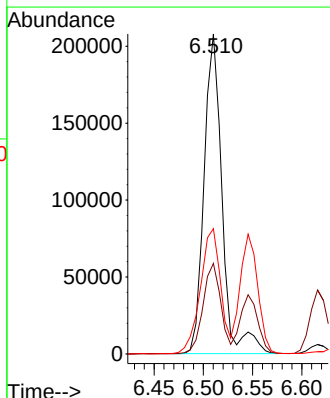
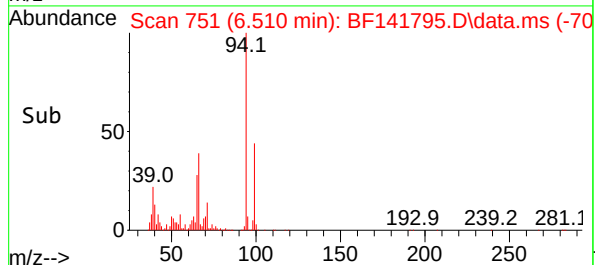
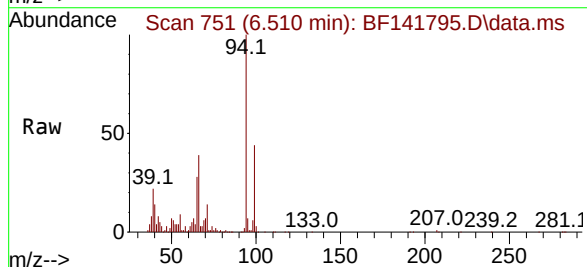
Manual Integrations  
APPROVED

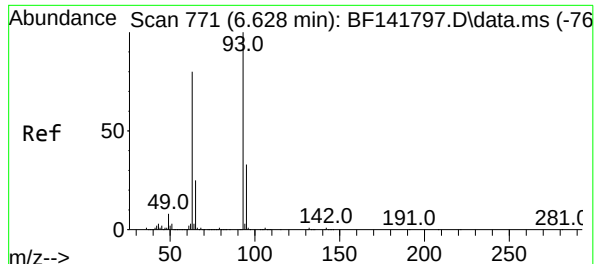
Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025



#10  
Phenol  
Concen: 10.494 ng m  
RT: 6.510 min Scan# 751  
Delta R.T. -0.012 min  
Lab File: BF141795.D  
Acq: 27 Feb 2025 16:16

Tgt Ion: 94 Resp: 263599  
Ion Ratio Lower Upper  
94 100  
65 28.3 10.2 50.2  
66 39.2 23.2 63.2





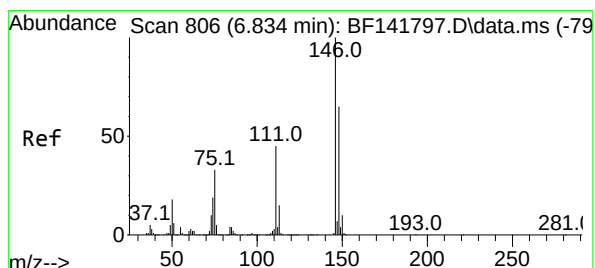
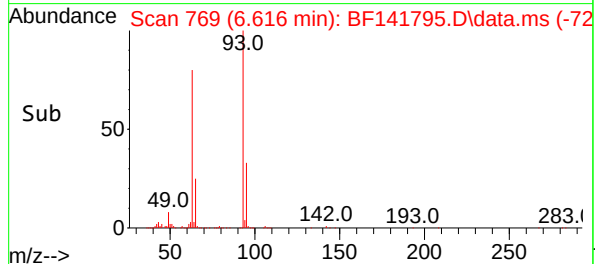
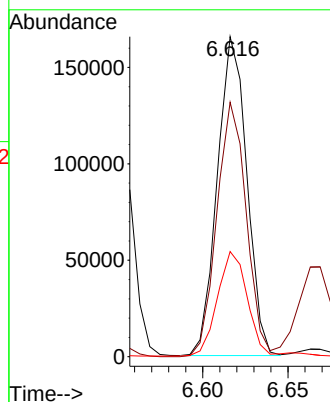
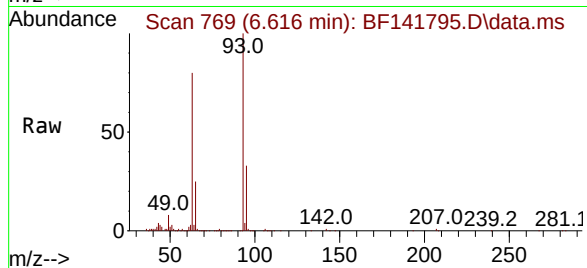
#11  
bis(2-Chloroethyl)ether  
Concen: 10.362 ng  
RT: 6.616 min Scan# 71  
Delta R.T. -0.012 min  
Lab File: BF141795.D  
Acq: 27 Feb 2025 16:16

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC010

Tgt Ion: 93 Resp: 198994  
Ion Ratio Lower Upper  
93 100  
63 79.5 59.3 99.3  
95 32.8 13.2 53.2

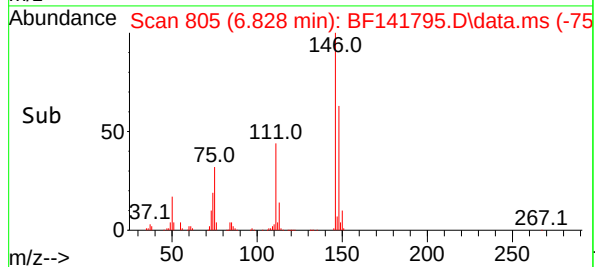
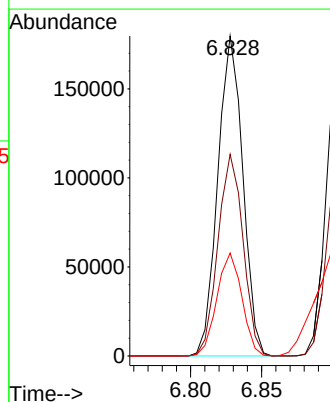
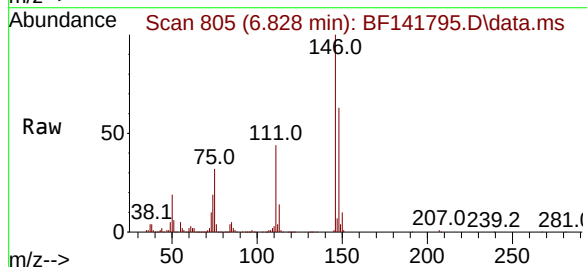
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025

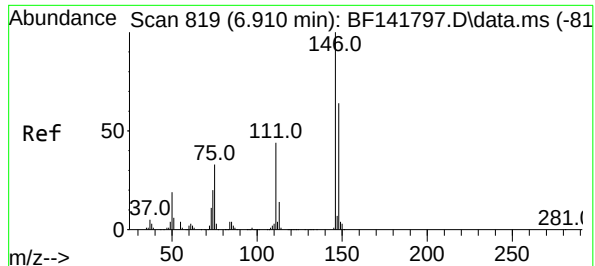


#12  
1,3-Dichlorobenzene  
Concen: 10.478 ng  
RT: 6.828 min Scan# 805  
Delta R.T. -0.006 min  
Lab File: BF141795.D  
Acq: 27 Feb 2025 16:16

Tgt Ion:146 Resp: 219862  
Ion Ratio Lower Upper  
146 100  
148 63.0 51.8 77.6  
75 32.2 26.2 39.4

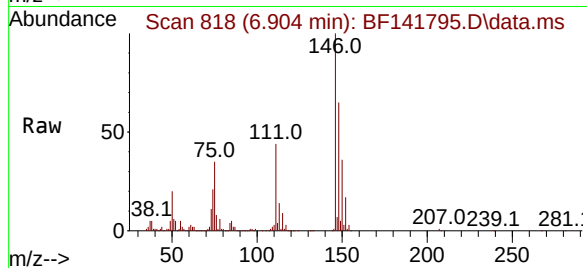






#13  
1,4-Dichlorobenzene  
Concen: 10.486 ng  
RT: 6.904 min Scan# 819  
Delta R.T. -0.006 min  
Lab File: BF141795.D  
Acq: 27 Feb 2025 16:16

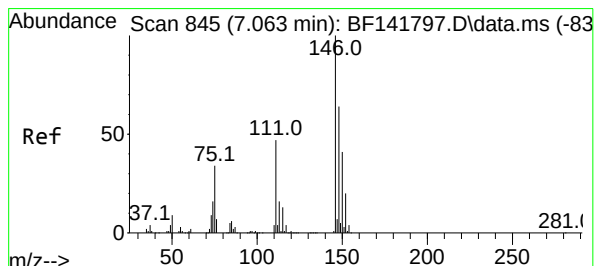
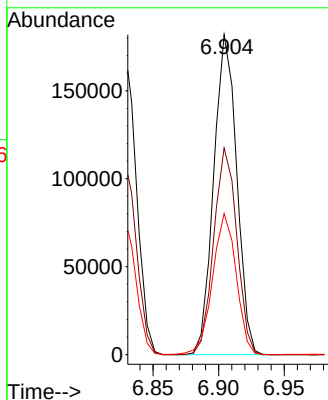
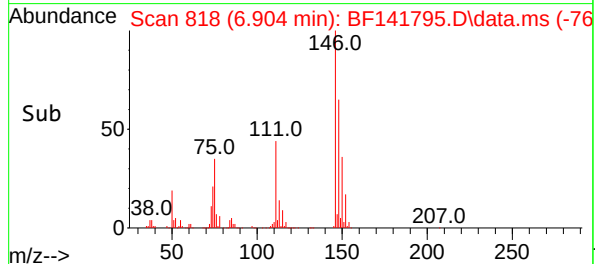
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC010



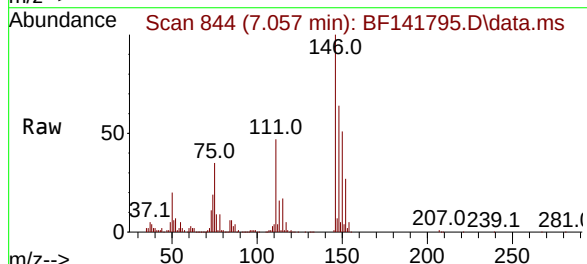
Tgt Ion:146 Resp: 22170  
Ion Ratio Lower Upper  
146 100  
148 64.6 51.4 77.2  
111 44.1 35.5 53.3

Manual Integrations  
APPROVED

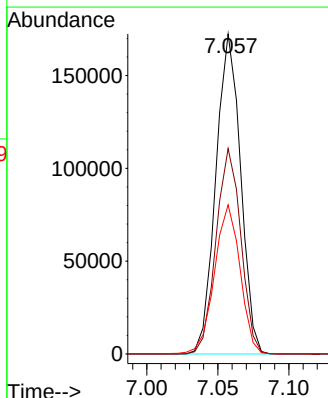
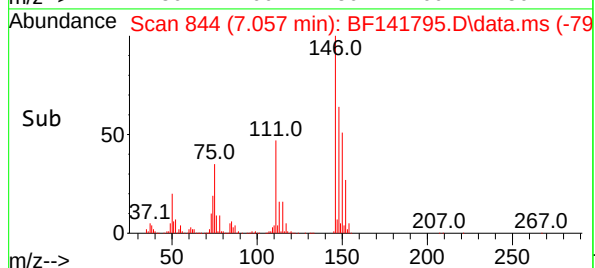
Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025

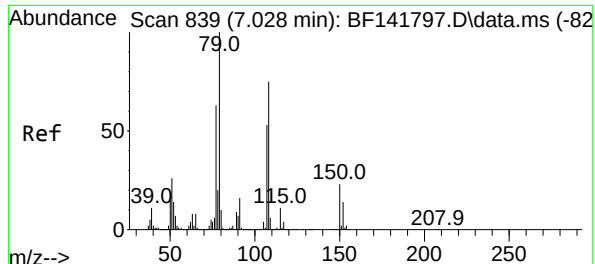


#14  
1,2-Dichlorobenzene  
Concen: 10.575 ng  
RT: 7.057 min Scan# 844  
Delta R.T. -0.006 min  
Lab File: BF141795.D  
Acq: 27 Feb 2025 16:16



Tgt Ion:146 Resp: 208788  
Ion Ratio Lower Upper  
146 100  
148 64.2 51.2 76.8  
111 46.6 37.8 56.6





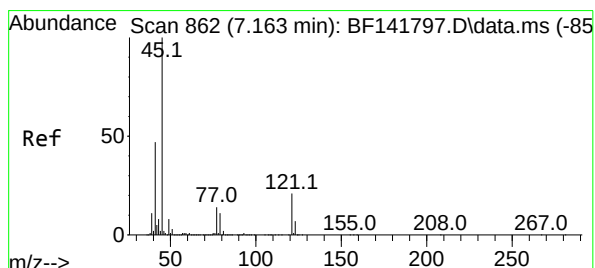
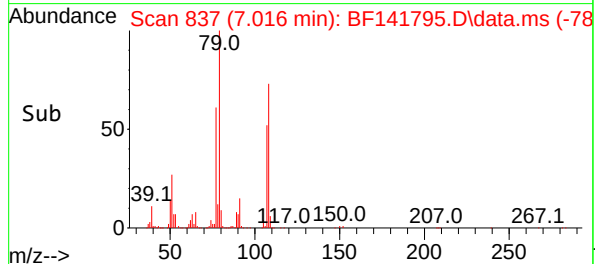
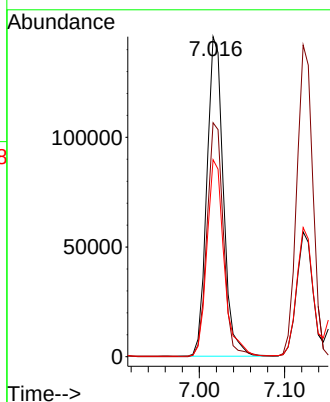
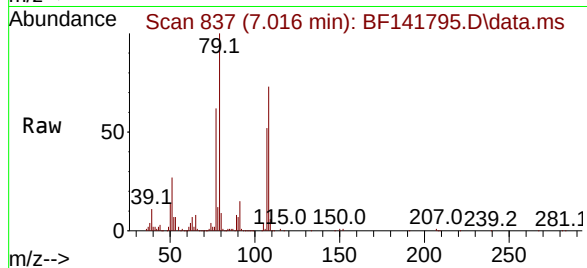
#15  
Benzyl Alcohol  
Concen: 10.384 ng  
RT: 7.016 min Scan# 81  
Delta R.T. -0.012 min  
Lab File: BF141795.D  
Acq: 27 Feb 2025 16:16

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC010

Tgt Ion: 79 Resp: 195649  
Ion Ratio Lower Upper  
79 100  
108 73.1 60.2 90.2  
77 61.6 50.2 75.2

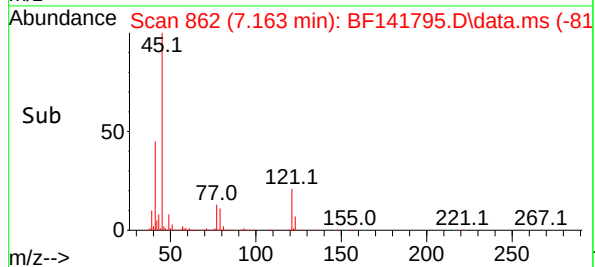
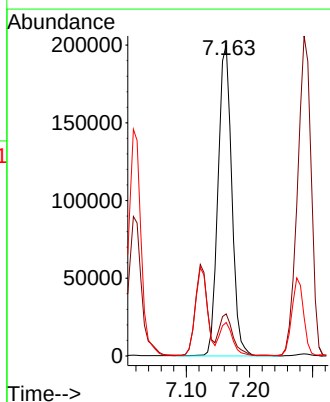
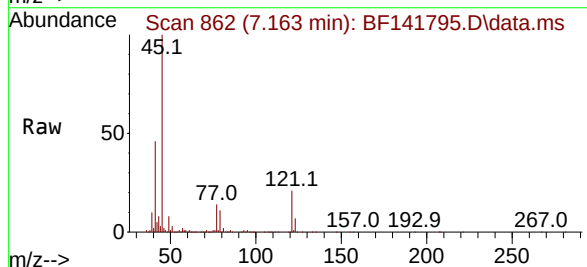
Manual Integrations  
APPROVED

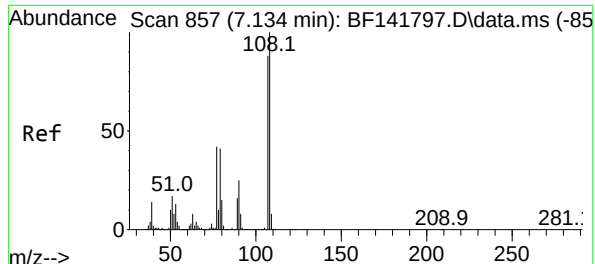
Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 10.387 ng  
RT: 7.163 min Scan# 862  
Delta R.T. -0.000 min  
Lab File: BF141795.D  
Acq: 27 Feb 2025 16:16

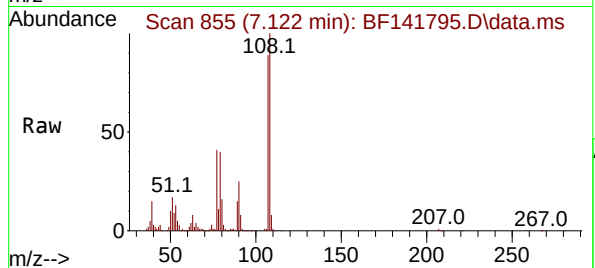
Tgt Ion: 45 Resp: 302932  
Ion Ratio Lower Upper  
45 100  
77 13.6 0.0 34.4  
79 10.7 0.0 30.9





#17  
2-Methylphenol  
Concen: 10.121 ng  
RT: 7.122 min Scan# 855  
Delta R.T. -0.012 min  
Lab File: BF141795.D  
Acq: 27 Feb 2025 16:16

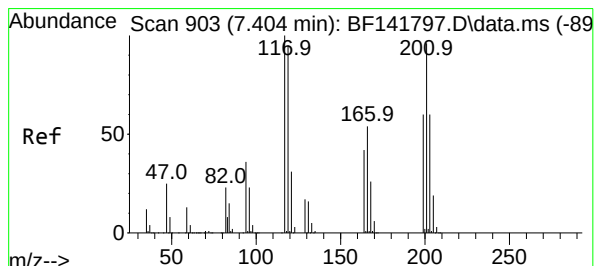
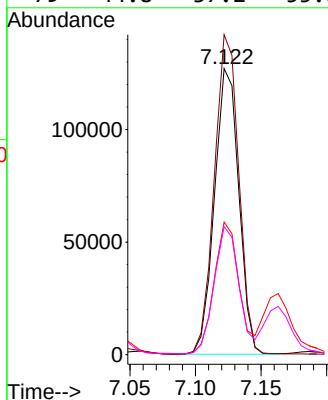
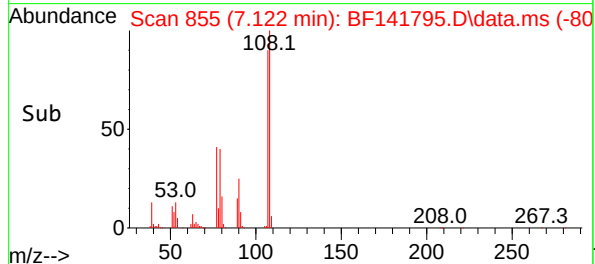
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC010



Tgt Ion:107 Resp: 16369  
Ion Ratio Lower Upper  
107 100  
108 111.8 90.6 135.8  
77 46.3 37.7 56.5  
79 44.8 37.2 55.8

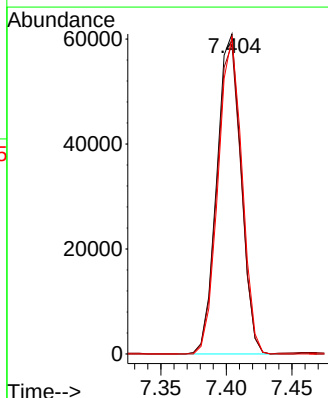
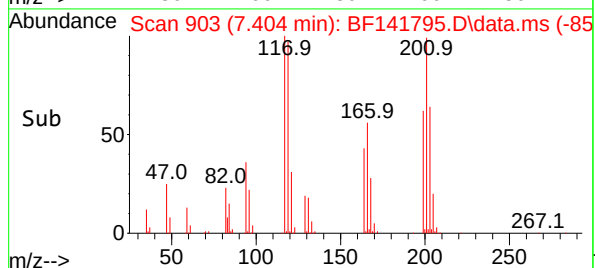
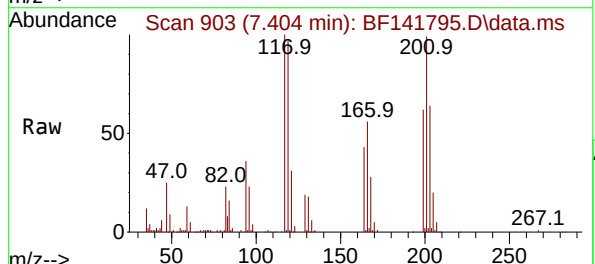
Manual Integrations  
APPROVED

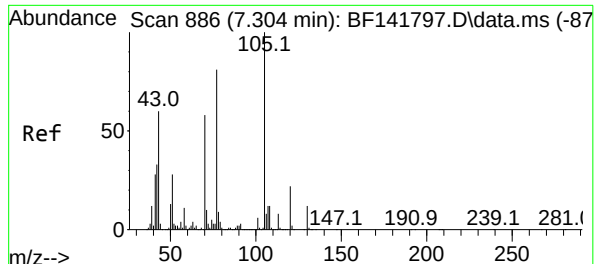
Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025



#18  
Hexachloroethane  
Concen: 9.899 ng  
RT: 7.404 min Scan# 903  
Delta R.T. -0.000 min  
Lab File: BF141795.D  
Acq: 27 Feb 2025 16:16

Tgt Ion:117 Resp: 78340  
Ion Ratio Lower Upper  
117 100  
119 96.7 75.8 113.8  
201 99.1 76.7 115.1





#19

n-Nitroso-di-n-propylamine

Concen: 10.315 ng

RT: 7.287 min Scan# 886

Delta R.T. -0.018 min

Lab File: BF141795.D

Acq: 27 Feb 2025 16:16

Instrument :

BNA\_F

ClientSampleId :

SSTDICC010

Tgt Ion: 70 Resp: 159860

Ion Ratio Lower Upper

70 100

42 58.9 45.4 68.0

101 8.9 7.8 11.8

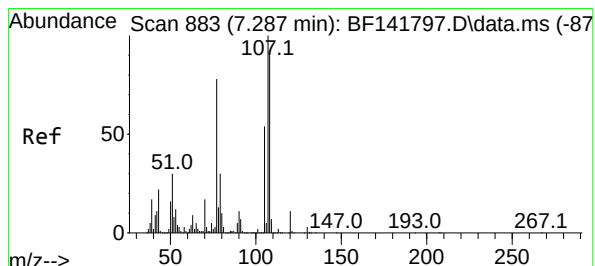
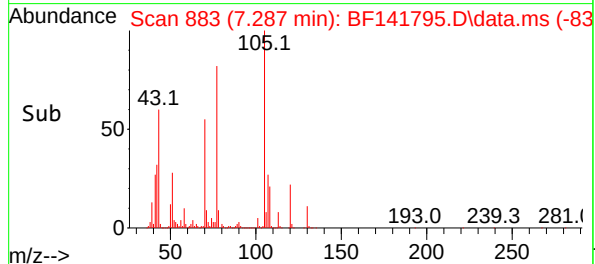
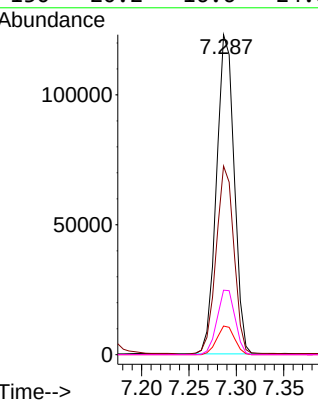
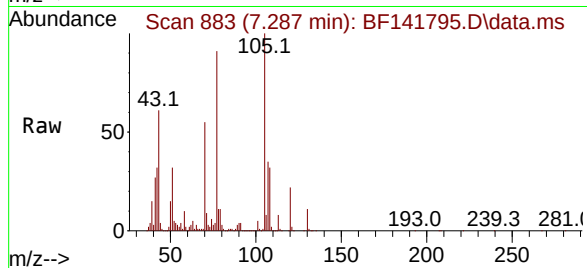
130 20.2 16.6 24.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/28/2025

Supervised By :mohammad ahmed 02/28/2025



#20

3+4-Methylphenols

Concen: 10.842 ng

RT: 7.275 min Scan# 881

Delta R.T. -0.012 min

Lab File: BF141795.D

Acq: 27 Feb 2025 16:16

Tgt Ion:107 Resp: 218359

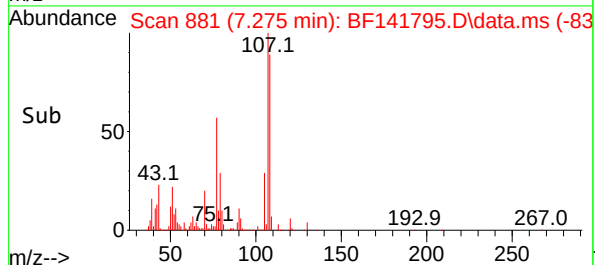
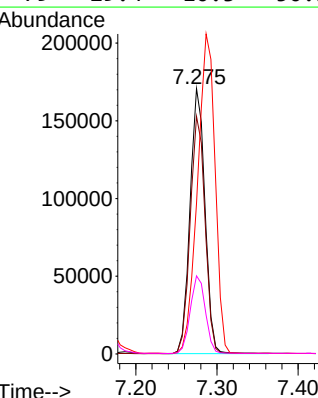
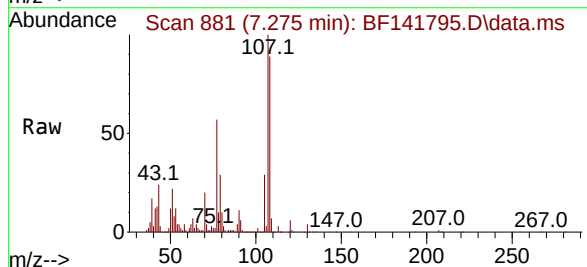
Ion Ratio Lower Upper

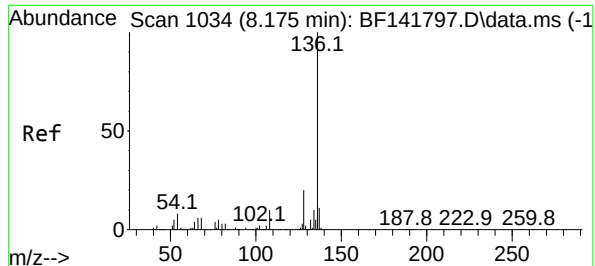
107 100

108 89.5 69.7 109.7

77 56.7 58.3 98.3#

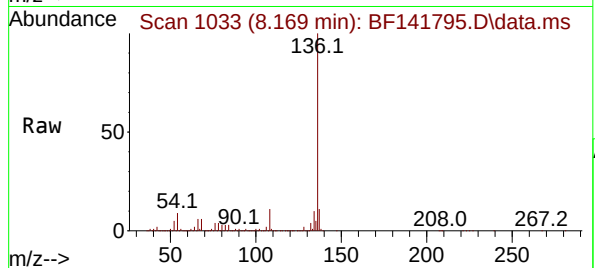
79 29.4 10.3 50.3





#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.169 min Scan# 1033  
Delta R.T. -0.006 min  
Lab File: BF141795.D  
Acq: 27 Feb 2025 16:16

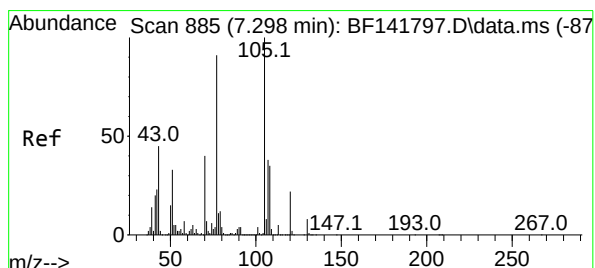
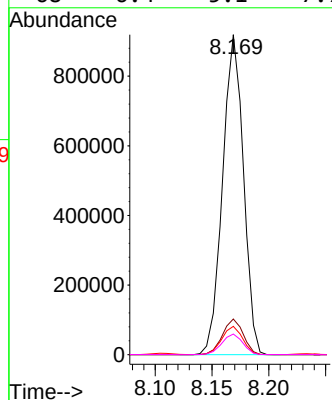
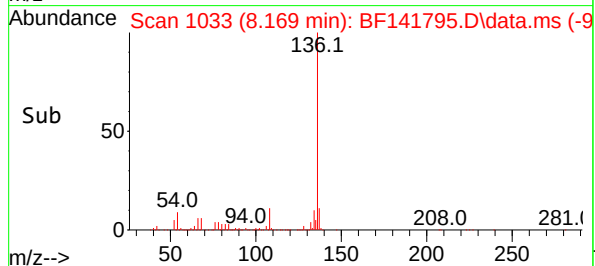
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC010



Tgt Ion:136 Resp: 117383  
Ion Ratio Lower Upper  
136 100  
137 11.1 8.9 13.3  
54 8.8 6.9 10.3  
68 6.4 5.1 7.7

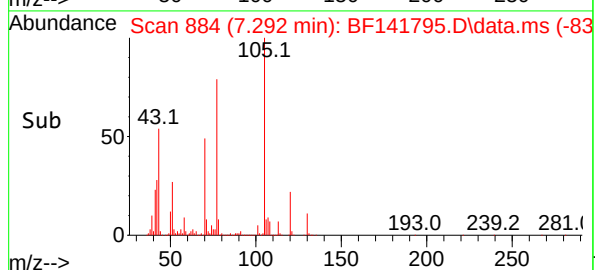
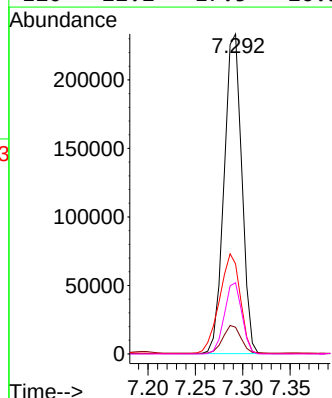
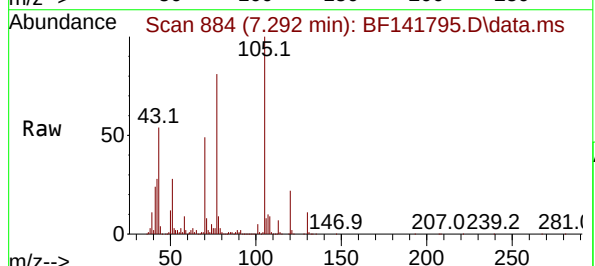
Manual Integrations  
APPROVED

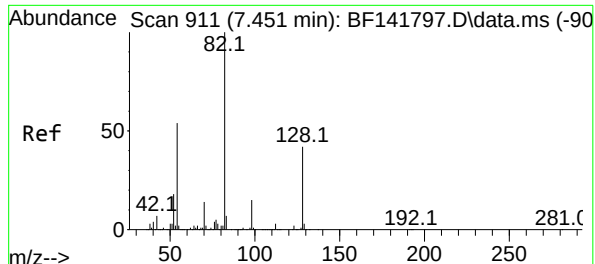
Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025



#22  
Acetophenone  
Concen: 10.606 ng  
RT: 7.292 min Scan# 884  
Delta R.T. -0.006 min  
Lab File: BF141795.D  
Acq: 27 Feb 2025 16:16

Tgt Ion:105 Resp: 303217  
Ion Ratio Lower Upper  
105 100  
71 8.4 5.4 8.0#  
51 28.2 26.1 39.1  
120 22.2 17.5 26.3





#23

Nitrobenzene-d5

Concen: 17.336 ng

RT: 7.445 min Scan# 911

Delta R.T. -0.006 min

Lab File: BF141795.D

Acq: 27 Feb 2025 16:16

Instrument :

BNA\_F

ClientSampleId :

SSTDICC010

Tgt Ion: 82 Resp: 318362

Ion Ratio Lower Upper

82 100

128 41.3 33.5 50.3

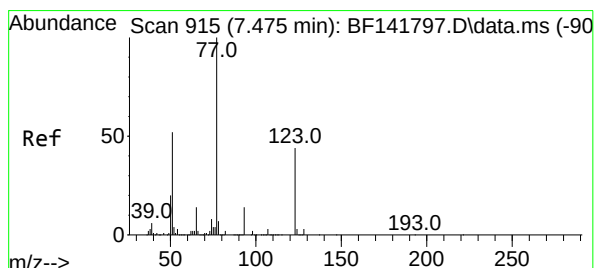
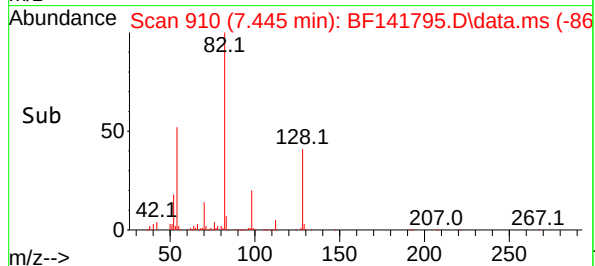
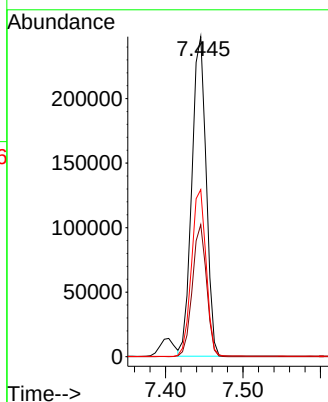
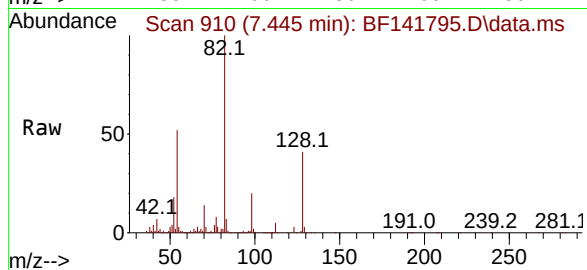
54 52.2 42.7 64.1

Manual Integrations

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Reviewed By :Yogesh Patel 02/28/2025

Supervised By :mohammad ahmed 02/28/2025



#24

Nitrobenzene

Concen: 9.057 ng

RT: 7.463 min Scan# 913

Delta R.T. -0.012 min

Lab File: BF141795.D

Acq: 27 Feb 2025 16:16

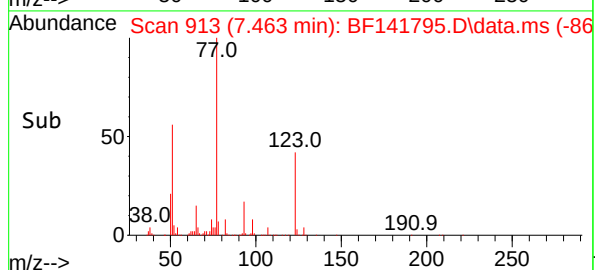
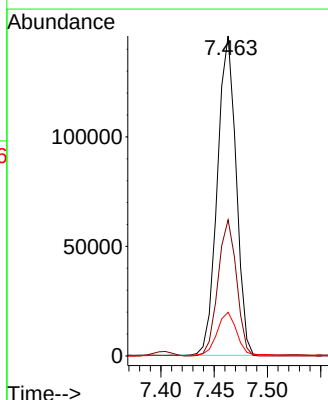
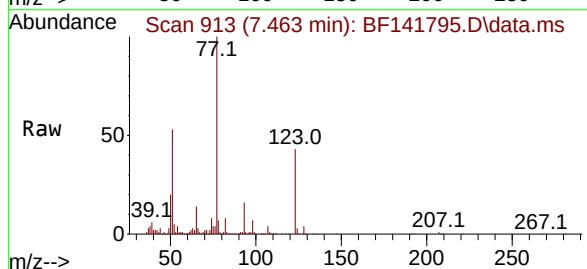
Tgt Ion: 77 Resp: 178109

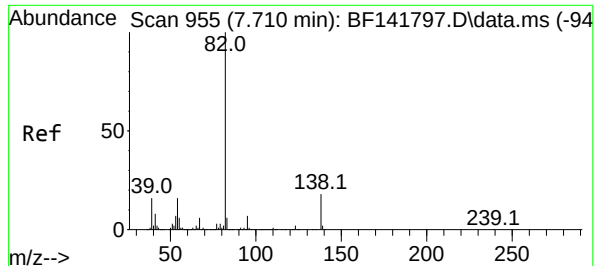
Ion Ratio Lower Upper

77 100

123 42.6 35.8 53.8

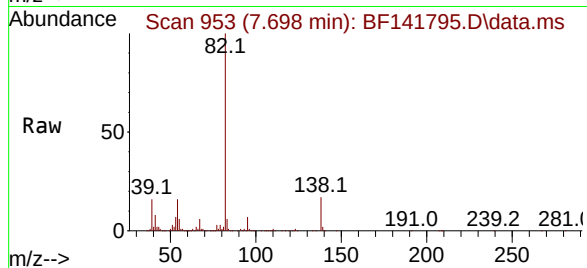
65 13.7 11.2 16.8





#25  
Isophorone  
Concen: 10.145 ng  
RT: 7.698 min Scan# 955  
Delta R.T. -0.012 min  
Lab File: BF141795.D  
Acq: 27 Feb 2025 16:16

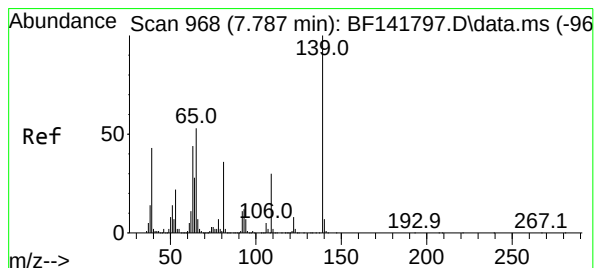
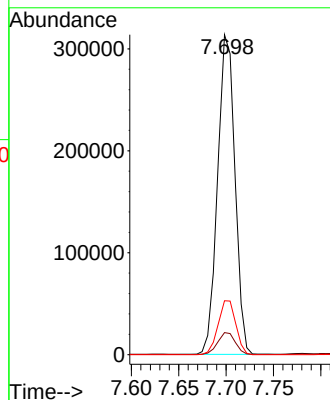
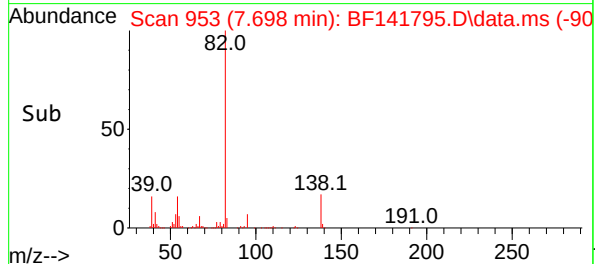
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC010



Tgt Ion: 82 Resp: 400228  
Ion Ratio Lower Upper  
82 100  
95 6.9 5.8 8.8  
138 16.9 14.0 21.0

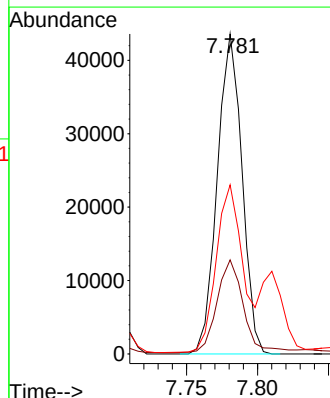
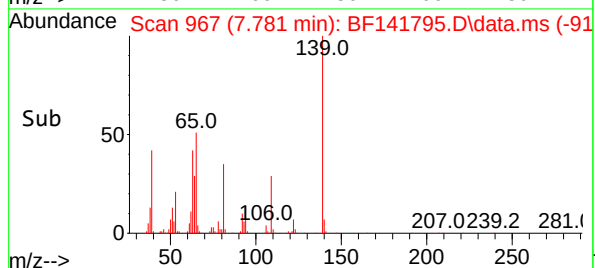
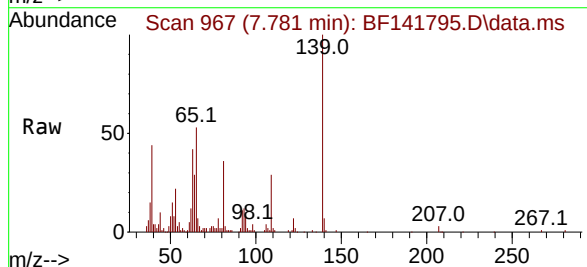
Manual Integrations  
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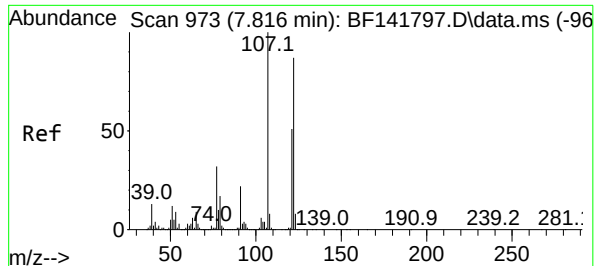
Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025



#26  
2-Nitrophenol  
Concen: 9.980 ng  
RT: 7.781 min Scan# 967  
Delta R.T. -0.006 min  
Lab File: BF141795.D  
Acq: 27 Feb 2025 16:16

Tgt Ion:139 Resp: 52703  
Ion Ratio Lower Upper  
139 100  
109 29.4 24.1 36.1  
65 52.9 42.3 63.5





#27

2,4-Dimethylphenol

Concen: 10.103 ng

RT: 7.810 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF141795.D

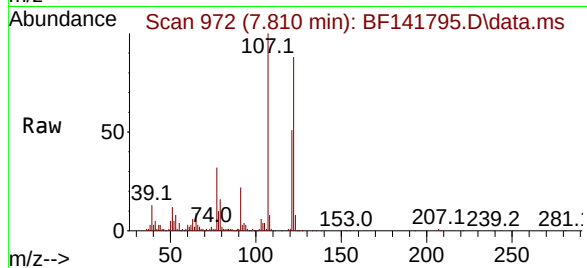
Acq: 27 Feb 2025 16:16

Instrument :

BNA\_F

ClientSampleId :

SSTDICC010



Tgt Ion:122 Resp: 146519

Ion Ratio Lower Upper

122 100

107 113.9 92.5 138.7

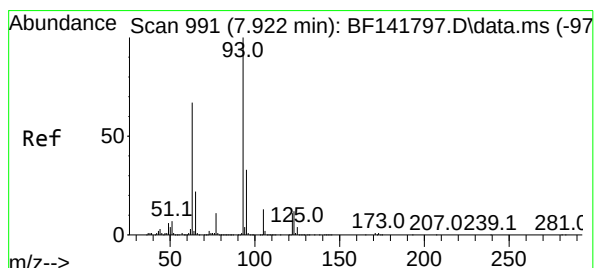
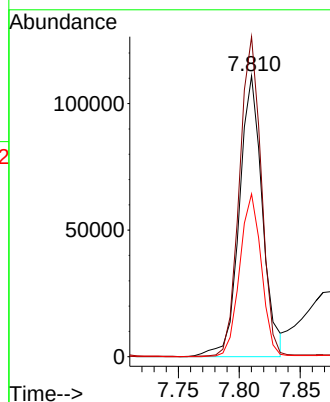
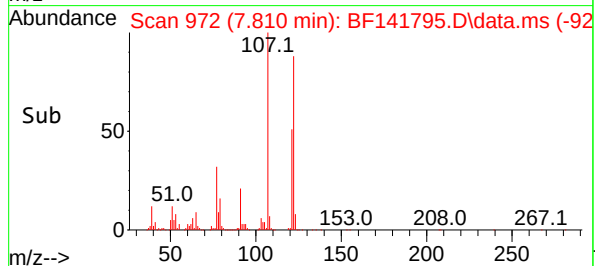
121 57.9 47.1 70.7

Manual Integrations

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Reviewed By :Yogesh Patel 02/28/2025

Supervised By :mohammad ahmed 02/28/2025



#28

bis(2-Chloroethoxy)methane

Concen: 10.445 ng

RT: 7.910 min Scan# 989

Delta R.T. -0.012 min

Lab File: BF141795.D

Acq: 27 Feb 2025 16:16

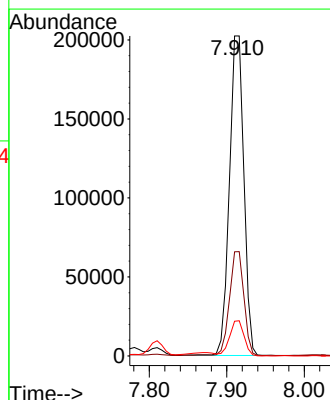
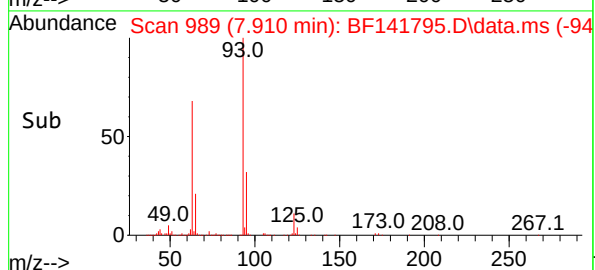
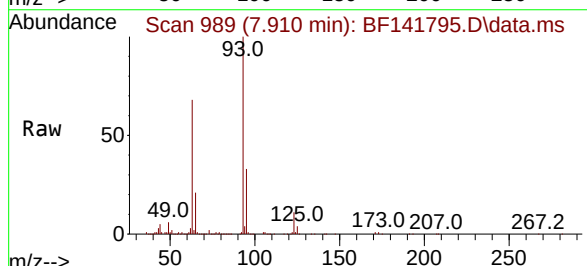
Tgt Ion: 93 Resp: 262861

Ion Ratio Lower Upper

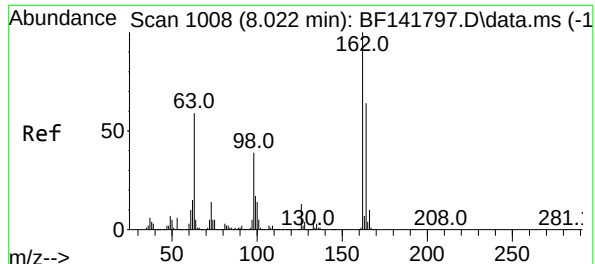
93 100

95 32.5 26.5 39.7

123 10.8 10.0 15.0







#29

2,4-Dichlorophenol

Concen: 10.114 ng

RT: 8.016 min Scan# 1007

Delta R.T. -0.006 min

Lab File: BF141795.D

Acq: 27 Feb 2025 16:16

Instrument :

BNA\_F

ClientSampleId :

SSTDICC010

Tgt Ion:162 Resp: 169218

Ion Ratio Lower Upper

162 100

164 63.9 44.3 84.3

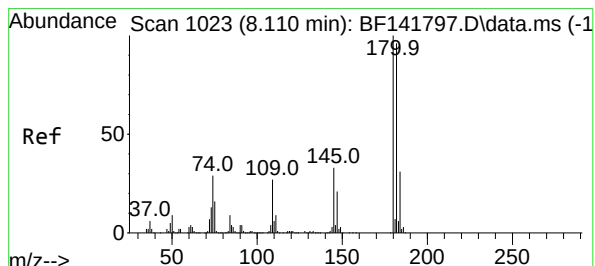
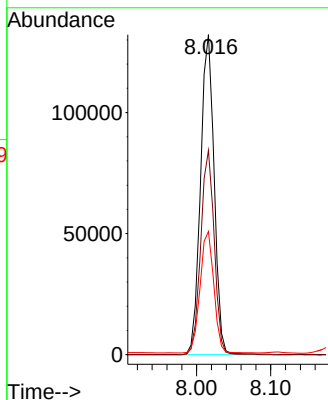
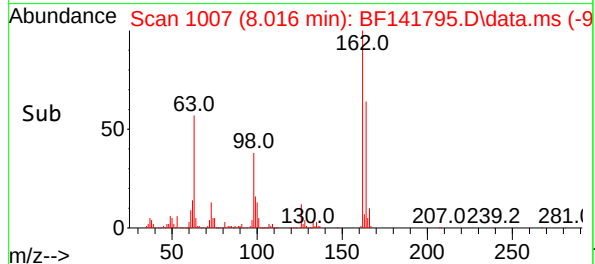
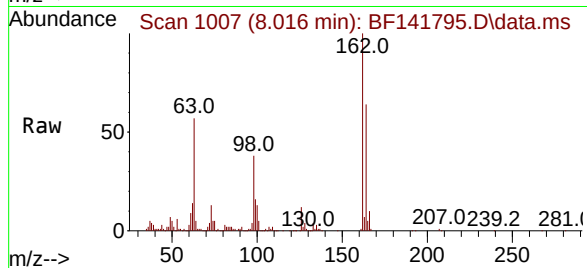
98 38.5 19.6 59.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/28/2025

Supervised By :mohammad ahmed 02/28/2025



#30

1,2,4-Trichlorobenzene

Concen: 10.271 ng

RT: 8.110 min Scan# 1023

Delta R.T. -0.000 min

Lab File: BF141795.D

Acq: 27 Feb 2025 16:16

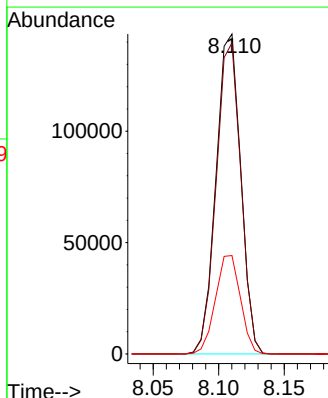
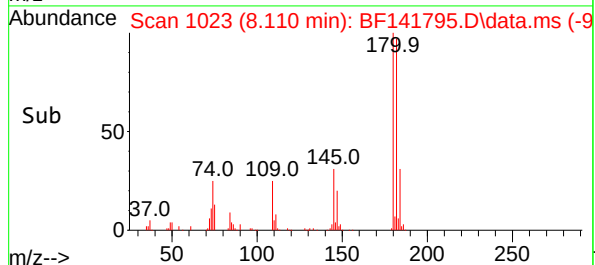
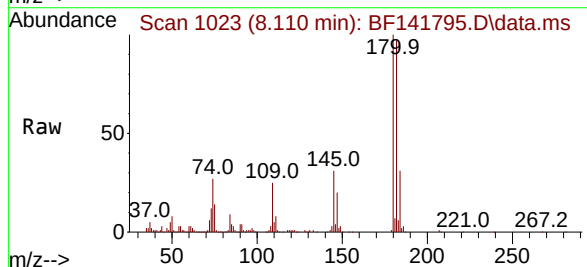
Tgt Ion:180 Resp: 188296

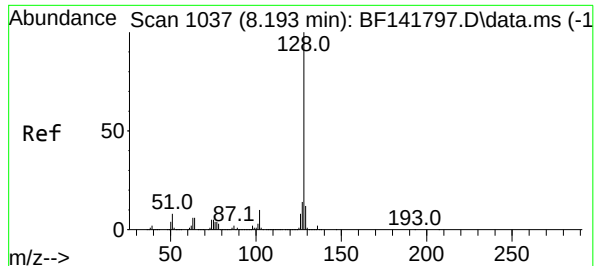
Ion Ratio Lower Upper

180 100

182 97.2 76.8 115.2

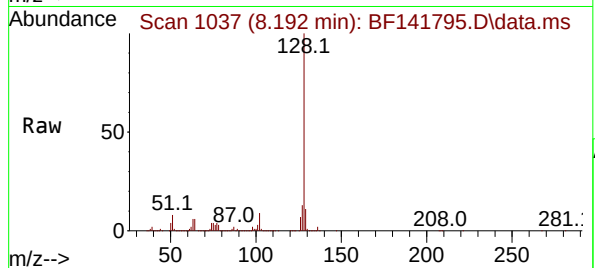
145 30.8 26.4 39.6





#31  
Naphthalene  
Concen: 10.668 ng  
RT: 8.192 min Scan# 1037  
Delta R.T. -0.000 min  
Lab File: BF141795.D  
Acq: 27 Feb 2025 16:16

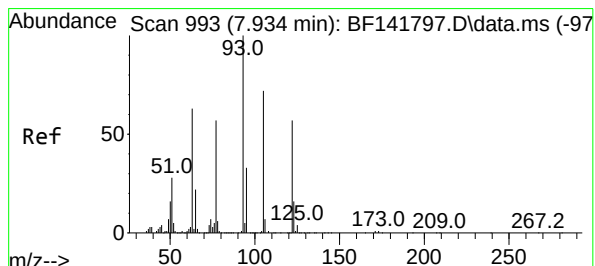
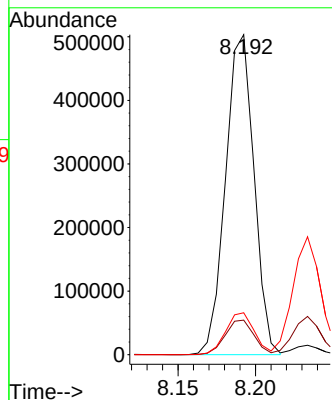
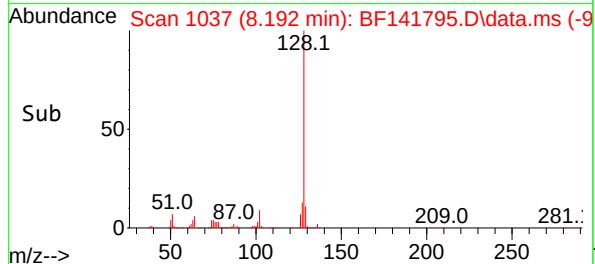
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC010



Tgt Ion:128 Resp: 64362  
Ion Ratio Lower Upper  
128 100  
129 10.8 9.2 13.8  
127 13.1 11.0 16.4

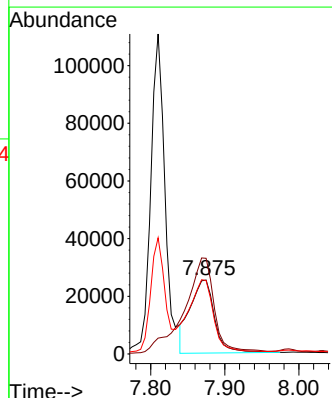
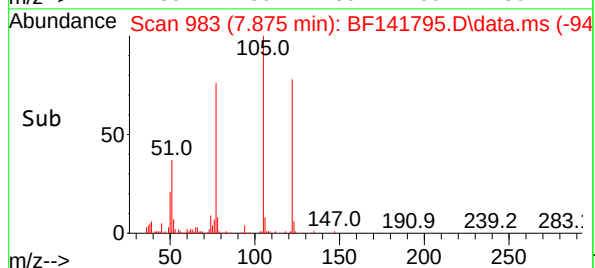
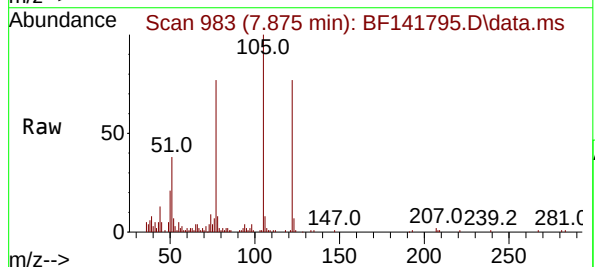
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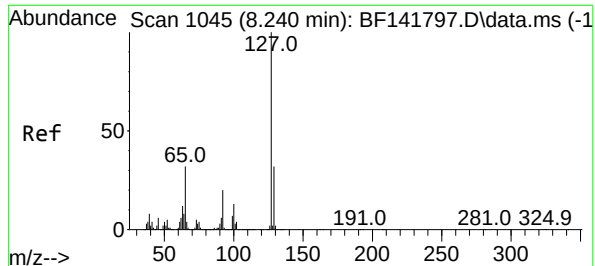
Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025



#32  
Benzoic acid  
Concen: 11.729 ng  
RT: 7.875 min Scan# 983  
Delta R.T. -0.059 min  
Lab File: BF141795.D  
Acq: 27 Feb 2025 16:16

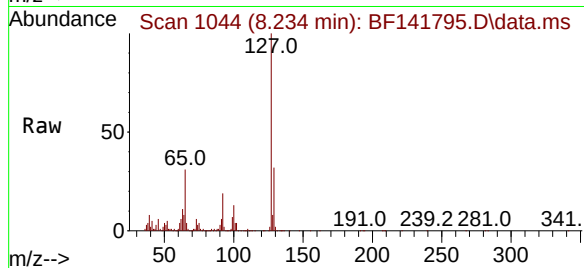
Tgt Ion:122 Resp: 58209  
Ion Ratio Lower Upper  
122 100  
105 129.5 105.8 145.8  
77 99.2 79.9 119.9





#33  
4-Chloroaniline  
Concen: 10.413 ng  
RT: 8.234 min Scan# 1044  
Delta R.T. -0.006 min  
Lab File: BF141795.D  
Acq: 27 Feb 2025 16:16

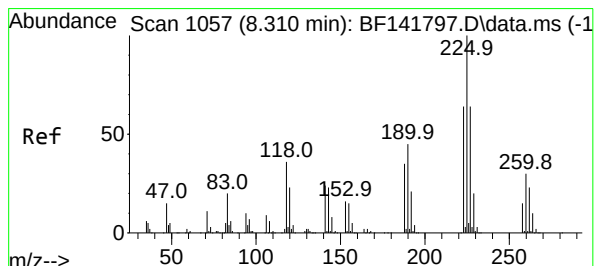
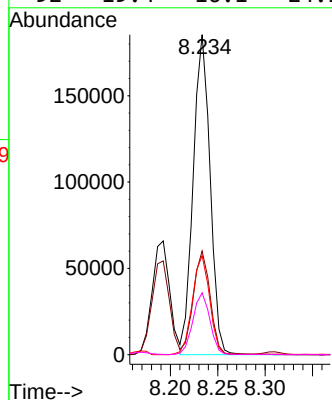
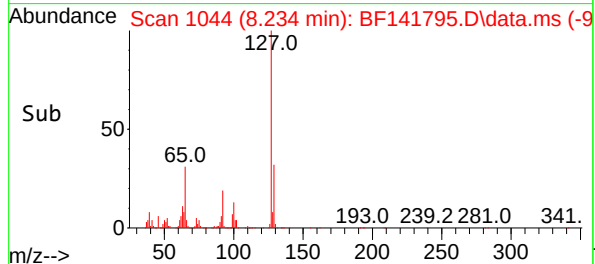
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC010



Tgt Ion:127 Resp: 23034  
Ion Ratio Lower Upper  
127 100  
129 32.4 26.1 39.1  
65 30.9 25.7 38.5  
92 19.4 16.1 24.1

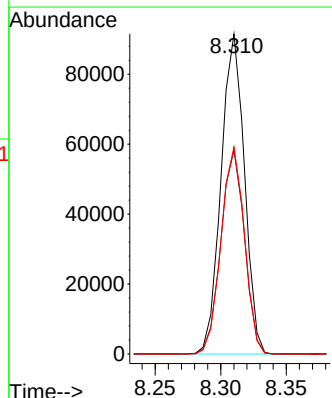
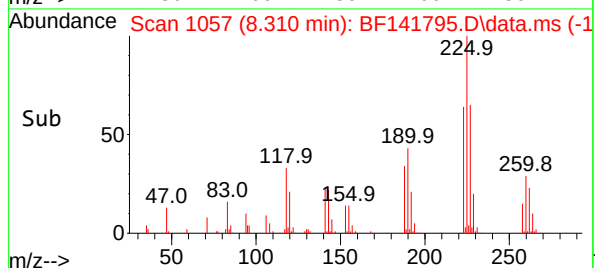
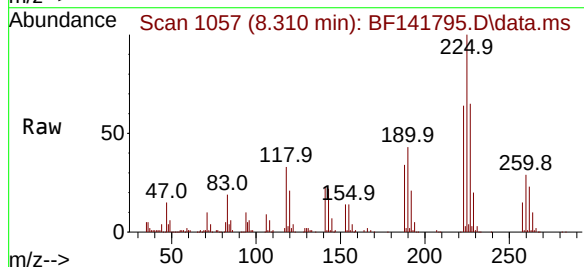
Manual Integrations  
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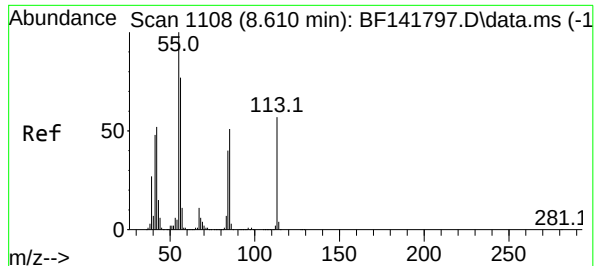
Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025



#34  
Hexachlorobutadiene  
Concen: 9.931 ng  
RT: 8.310 min Scan# 1057  
Delta R.T. -0.000 min  
Lab File: BF141795.D  
Acq: 27 Feb 2025 16:16

Tgt Ion:225 Resp: 113140  
Ion Ratio Lower Upper  
225 100  
223 63.6 51.4 77.2  
227 64.7 51.6 77.4





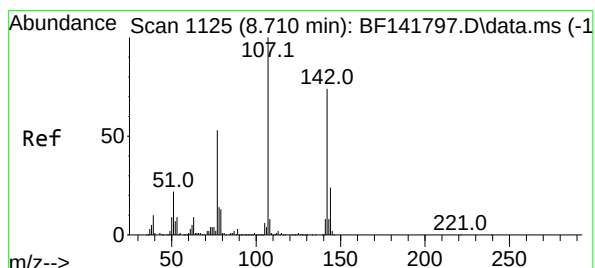
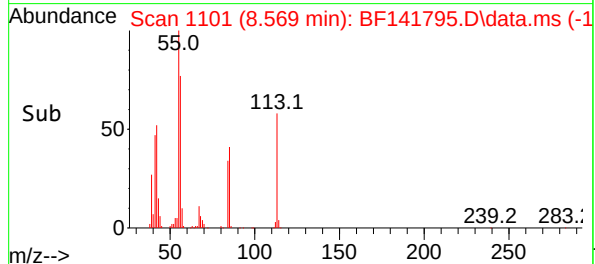
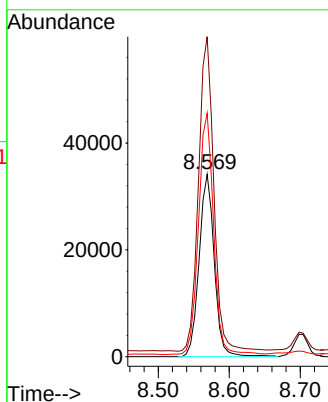
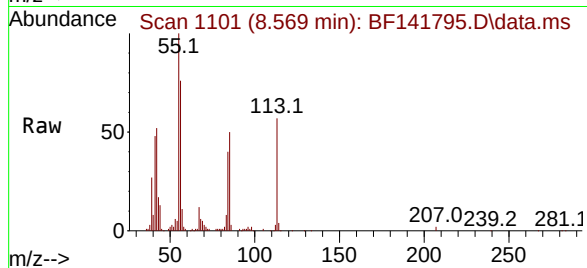
#35  
Caprolactam  
Concen: 9.855 ng  
RT: 8.569 min Scan# 1108  
Delta R.T. -0.041 min  
Lab File: BF141795.D  
Acq: 27 Feb 2025 16:16

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC010

Tgt Ion:113 Resp: 50734  
Ion Ratio Lower Upper  
113 100  
55 175.4 155.6 195.6  
56 133.5 114.6 154.6

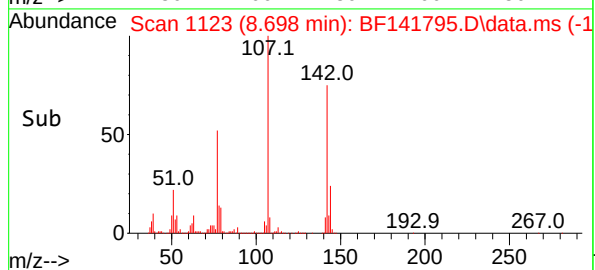
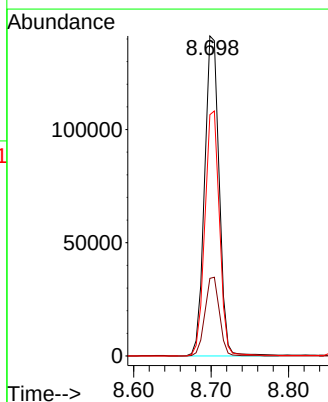
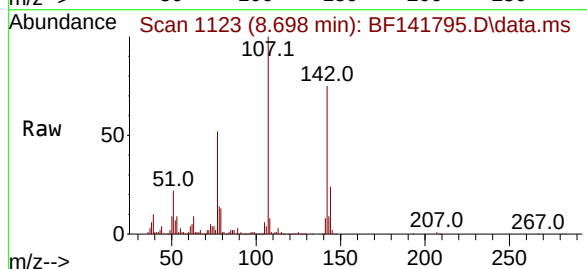
Manual Integrations  
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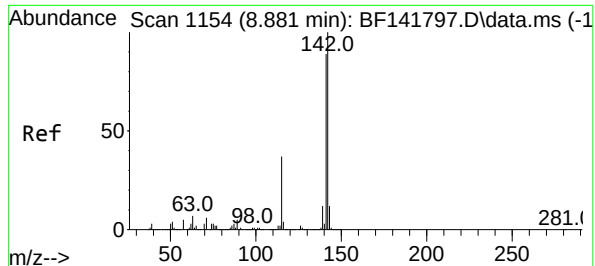
Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025



#36  
4-Chloro-3-methylphenol  
Concen: 9.987 ng  
RT: 8.698 min Scan# 1123  
Delta R.T. -0.012 min  
Lab File: BF141795.D  
Acq: 27 Feb 2025 16:16

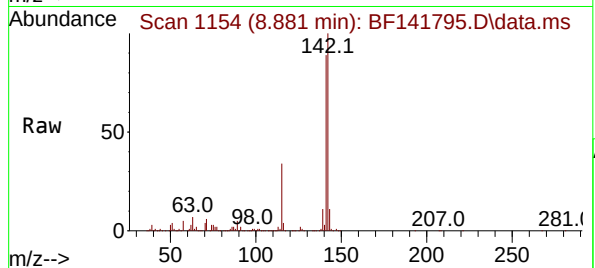
Tgt Ion:107 Resp: 185621  
Ion Ratio Lower Upper  
107 100  
144 24.2 19.4 29.0  
142 75.4 59.4 89.0





#37  
2-Methylnaphthalene  
Concen: 10.758 ng  
RT: 8.881 min Scan# 1154  
Delta R.T. -0.000 min  
Lab File: BF141795.D  
Acq: 27 Feb 2025 16:16

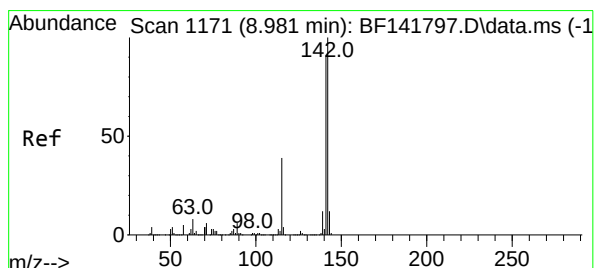
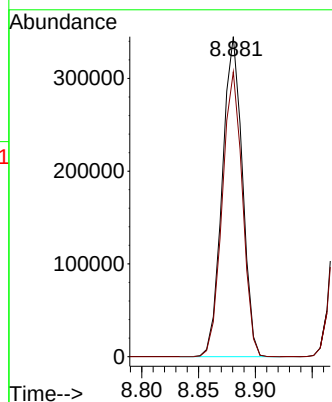
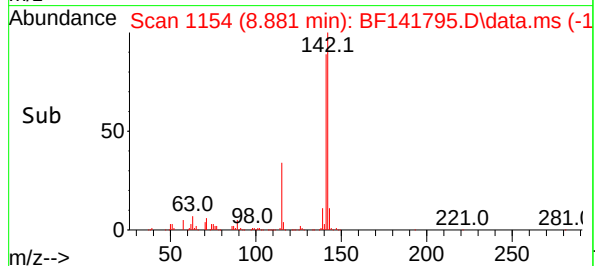
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC010



Tgt Ion:142 Resp: 425720  
Ion Ratio Lower Upper  
142 100  
141 89.0 71.1 106.7

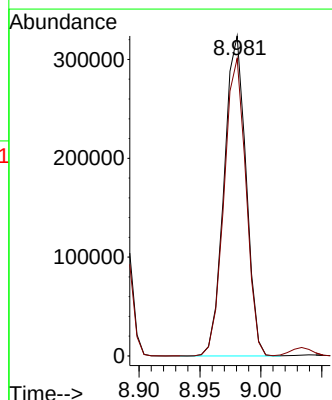
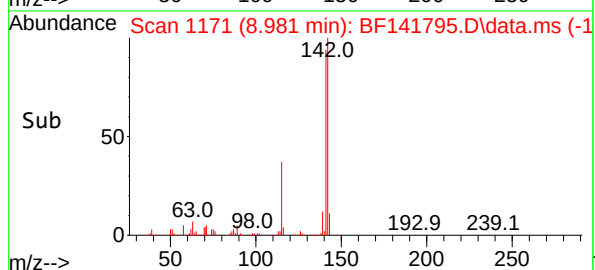
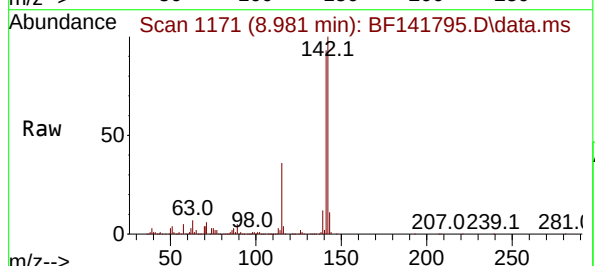
Manual Integrations  
APPROVED

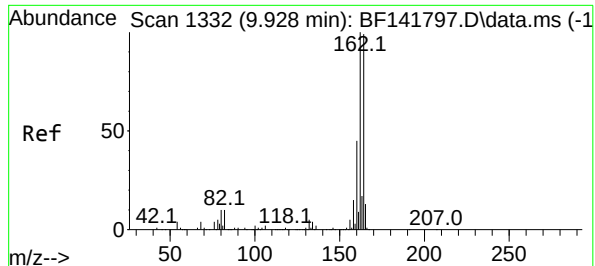
Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025



#38  
1-Methylnaphthalene  
Concen: 10.642 ng  
RT: 8.981 min Scan# 1171  
Delta R.T. -0.000 min  
Lab File: BF141795.D  
Acq: 27 Feb 2025 16:16

Tgt Ion:142 Resp: 404087  
Ion Ratio Lower Upper  
142 100  
141 93.0 73.1 109.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.922 min Scan# 1182

Delta R.T. -0.006 min

Lab File: BF141795.D

Acq: 27 Feb 2025 16:16

Instrument :

BNA\_F

ClientSampleId :

SSTDICC010

Tgt Ion:164 Resp: 647904

Ion Ratio Lower Upper

164 100

162 101.7 80.6 120.8

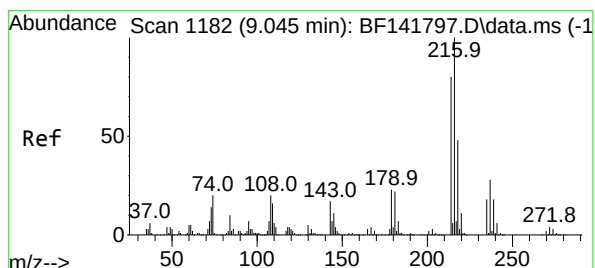
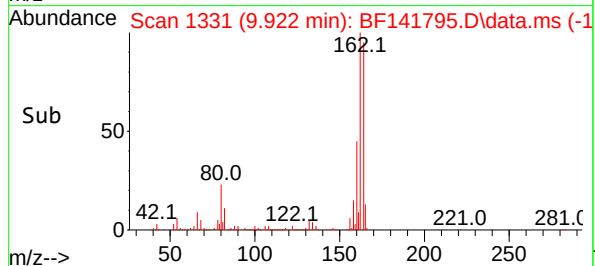
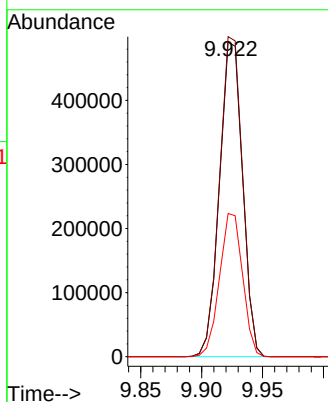
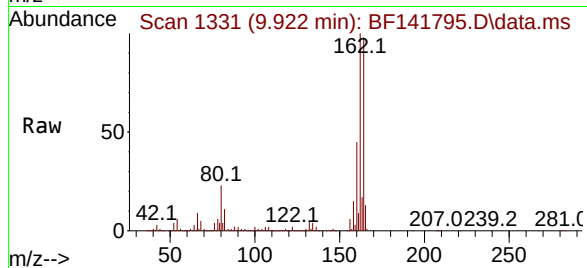
160 45.5 36.3 54.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/28/2025

Supervised By :mohammad ahmed 02/28/2025



#40

1,2,4,5-Tetrachlorobenzene

Concen: 10.386 ng

RT: 9.045 min Scan# 1182

Delta R.T. -0.000 min

Lab File: BF141795.D

Acq: 27 Feb 2025 16:16

Tgt Ion:216 Resp: 194342

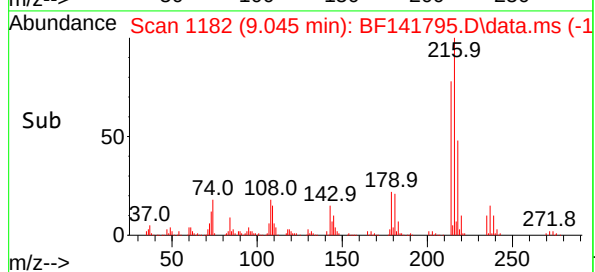
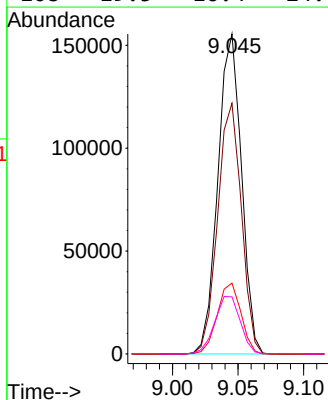
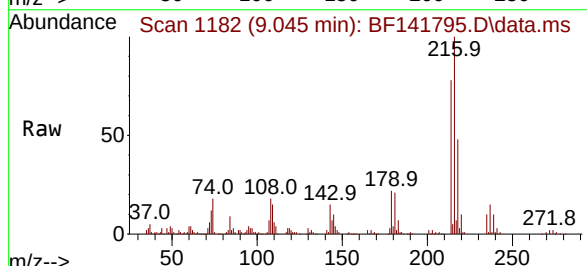
Ion Ratio Lower Upper

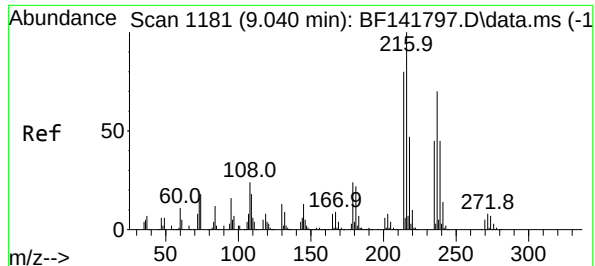
216 100

214 78.6 63.5 95.3

179 22.3 18.1 27.1

108 19.5 16.4 24.6





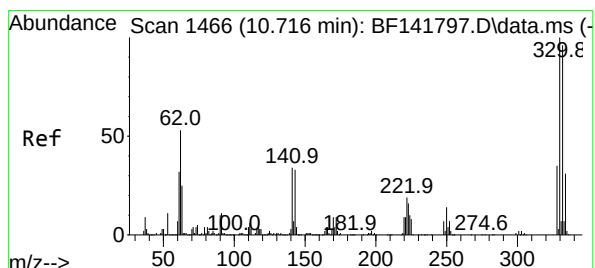
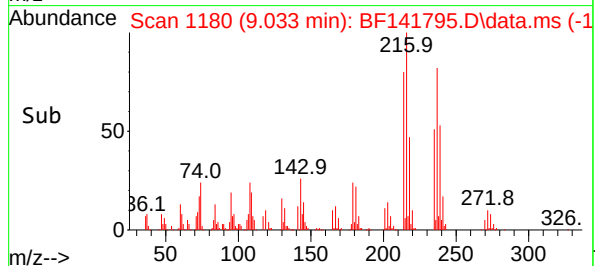
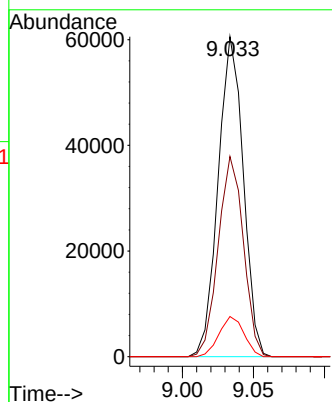
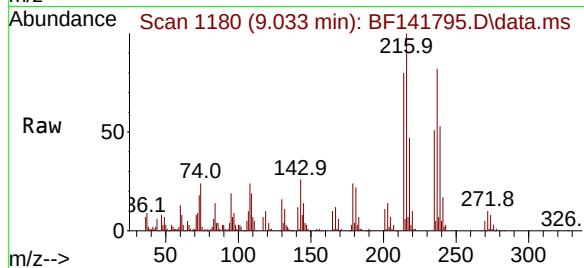
#41  
Hexachlorocyclopentadiene  
Concen: 9.533 ng  
RT: 9.033 min Scan# 1181  
Delta R.T. -0.006 min  
Lab File: BF141795.D  
Acq: 27 Feb 2025 16:16

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC010

Tgt Ion:237 Resp: 74440  
Ion Ratio Lower Upper  
237 100  
235 62.6 43.3 83.3  
272 12.5 0.0 31.9

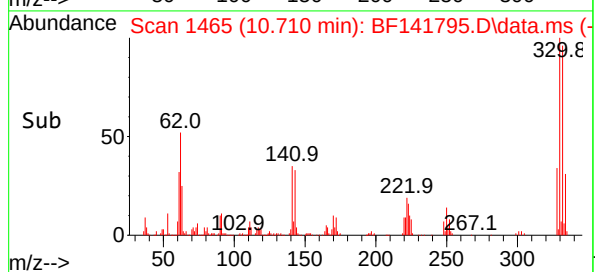
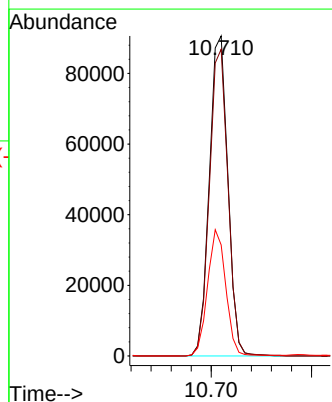
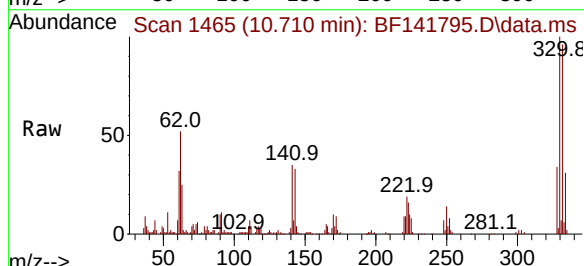
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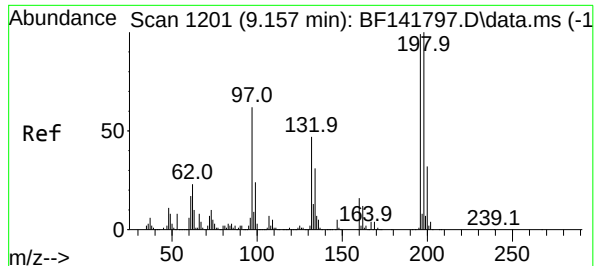
Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025



#42  
2,4,6-Tribromophenol  
Concen: 19.078 ng  
RT: 10.710 min Scan# 1465  
Delta R.T. -0.006 min  
Lab File: BF141795.D  
Acq: 27 Feb 2025 16:16

Tgt Ion:330 Resp: 116043  
Ion Ratio Lower Upper  
330 100  
332 96.2 76.6 115.0  
141 39.0 29.0 43.4





#43

2,4,6-Trichlorophenol

Concen: 9.864 ng

RT: 9.151 min Scan# 119234

Delta R.T. -0.006 min

Lab File: BF141795.D

Acq: 27 Feb 2025 16:16

Instrument :

BNA\_F

ClientSampleId :

SSTDICC010

Tgt Ion:196 Resp: 119234

Ion Ratio Lower Upper

196 100

198 100.4 80.4 120.6

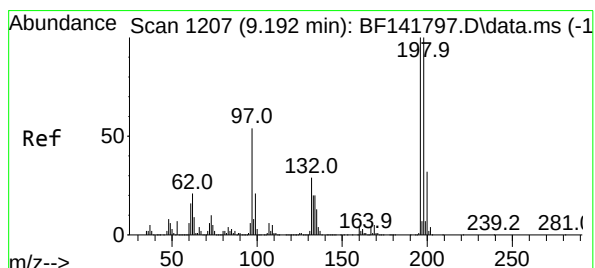
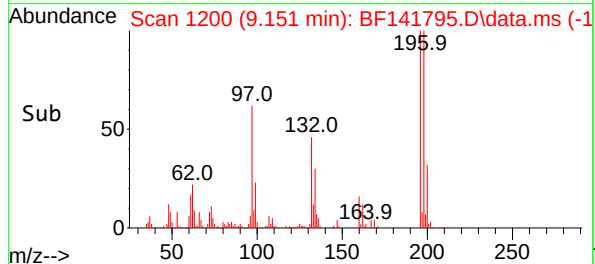
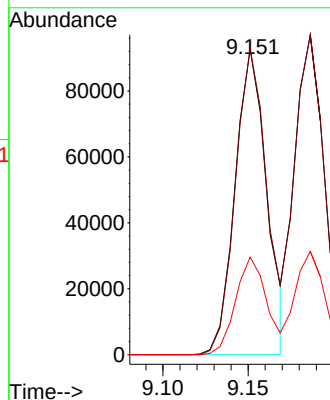
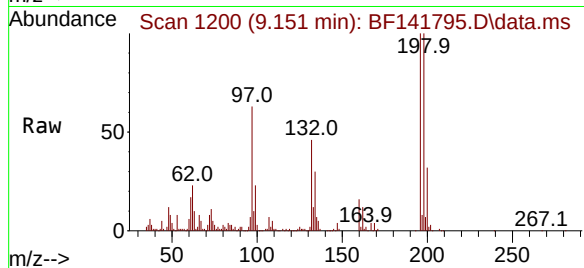
200 32.0 25.7 38.5

Manual Integrations

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Reviewed By :Yogesh Patel 02/28/2025

Supervised By :mohammad ahmed 02/28/2025



#44

2,4,5-Trichlorophenol

Concen: 9.860 ng

RT: 9.186 min Scan# 1206

Delta R.T. -0.006 min

Lab File: BF141795.D

Acq: 27 Feb 2025 16:16

Tgt Ion:196 Resp: 118017

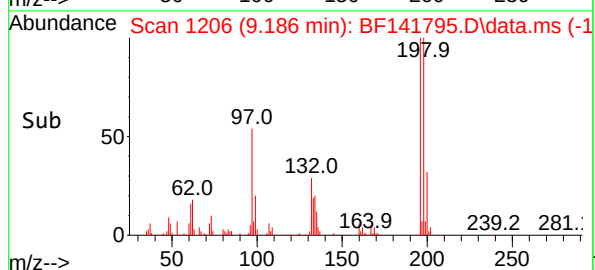
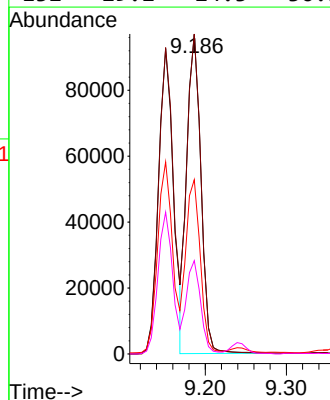
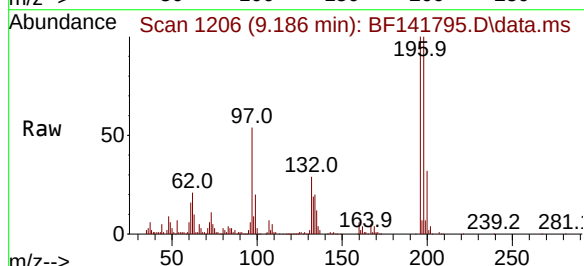
Ion Ratio Lower Upper

196 100

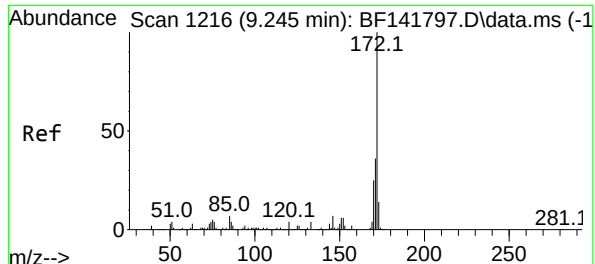
198 100.1 79.7 119.5

97 54.5 44.2 66.2

132 29.2 24.3 36.5







#45

2-Fluorobiphenyl

Concen: 22.244 ng

RT: 9.239 min Scan# 1215

Delta R.T. -0.006 min

Lab File: BF141795.D

Acq: 27 Feb 2025 16:16

Instrument :

BNA\_F

ClientSampleId :

SSTDICC010

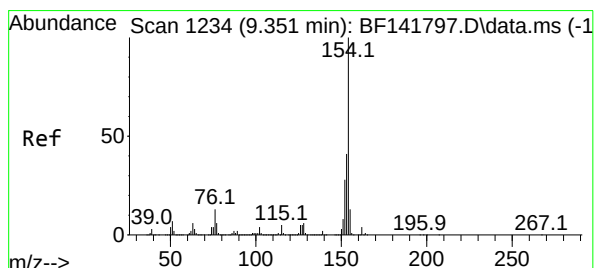
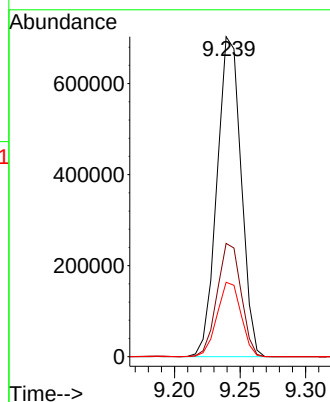
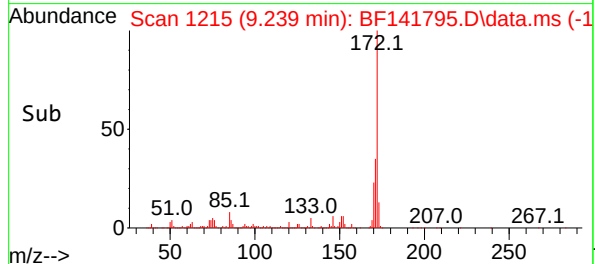
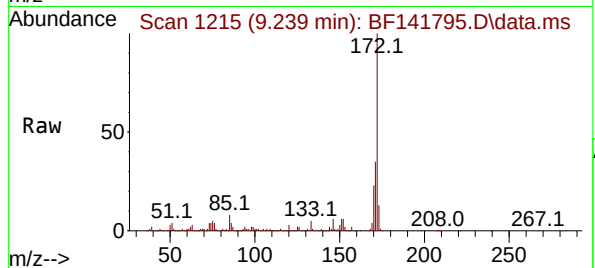
Tgt Ion:172 Resp: 89879

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 172 | 100   |       |       |
| 171 | 35.4  | 29.2  | 43.8  |
| 170 | 23.3  | 19.7  | 29.5  |

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Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025



#46

1,1'-Biphenyl

Concen: 10.896 ng

RT: 9.345 min Scan# 1233

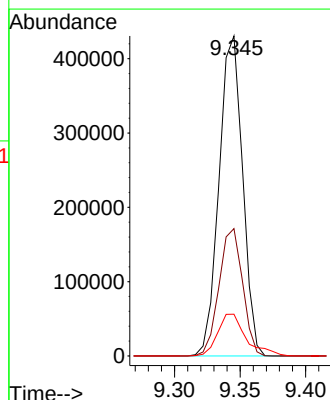
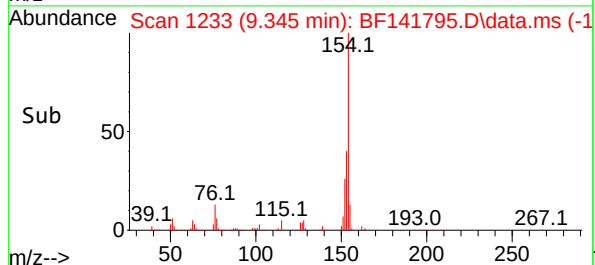
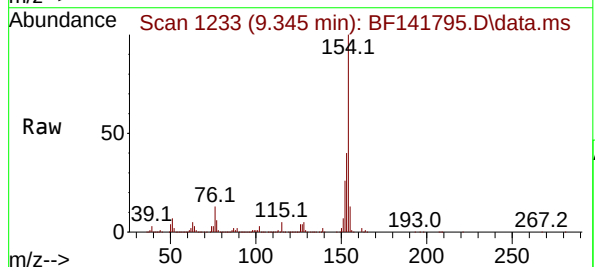
Delta R.T. -0.006 min

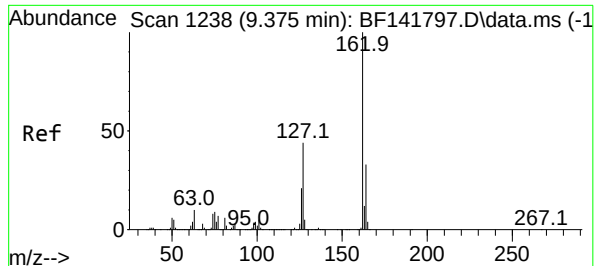
Lab File: BF141795.D

Acq: 27 Feb 2025 16:16

Tgt Ion:154 Resp: 537368

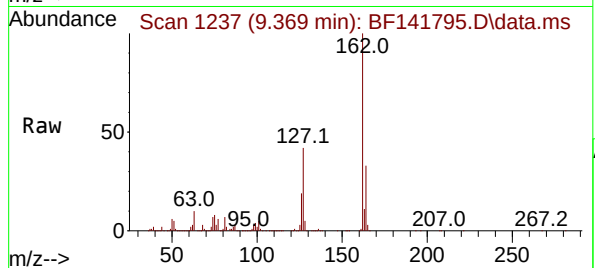
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 154 | 100   |       |       |
| 153 | 39.8  | 21.4  | 61.4  |
| 76  | 13.1  | 0.0   | 33.4  |





#47  
2-Chloronaphthalene  
Concen: 10.535 ng  
RT: 9.369 min Scan# 1238  
Delta R.T. -0.006 min  
Lab File: BF141795.D  
Acq: 27 Feb 2025 16:16

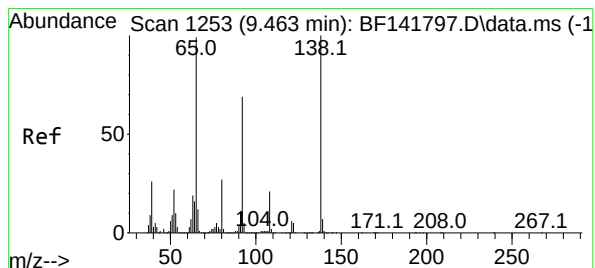
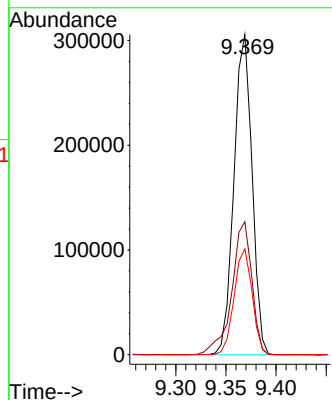
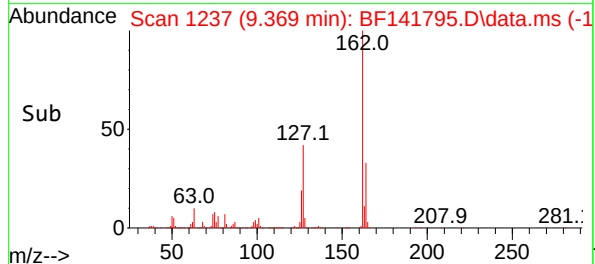
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC010



Tgt Ion:162 Resp: 38344  
Ion Ratio Lower Upper  
162 100  
127 41.5 35.0 52.6  
164 33.1 26.6 40.0

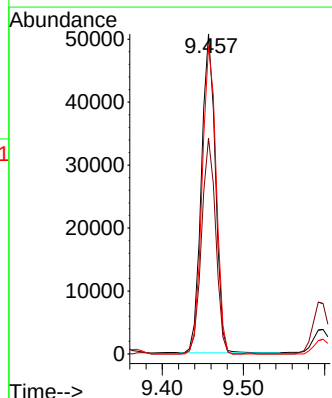
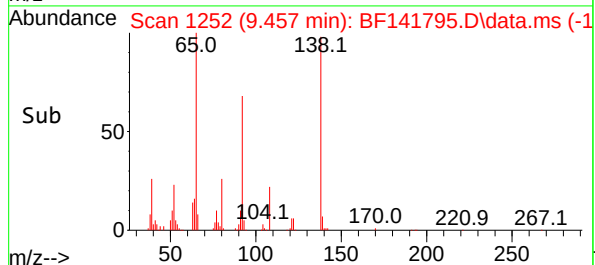
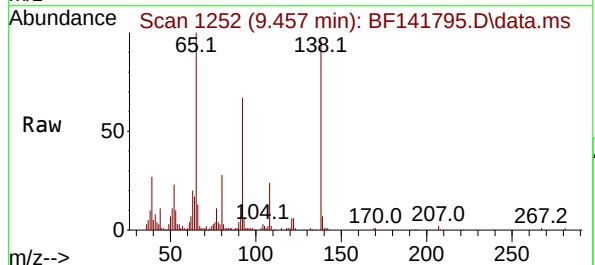
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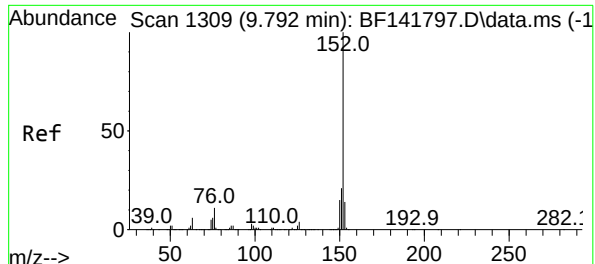
Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025



#48  
2-Nitroaniline  
Concen: 9.877 ng  
RT: 9.457 min Scan# 1252  
Delta R.T. -0.006 min  
Lab File: BF141795.D  
Acq: 27 Feb 2025 16:16

Tgt Ion: 65 Resp: 60658  
Ion Ratio Lower Upper  
65 100  
92 67.4 55.7 83.5  
138 96.3 80.6 121.0





#49

Acenaphthylene

Concen: 10.739 ng

RT: 9.786 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141795.D

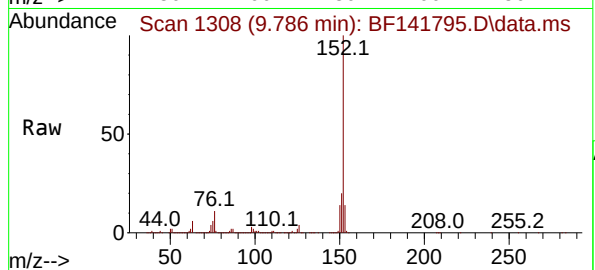
Acq: 27 Feb 2025 16:16

Instrument :

BNA\_F

ClientSampleId :

SSTDICC010



Tgt Ion:152 Resp: 58606

Ion Ratio Lower Upper

152 100

151 19.9 16.6 24.8

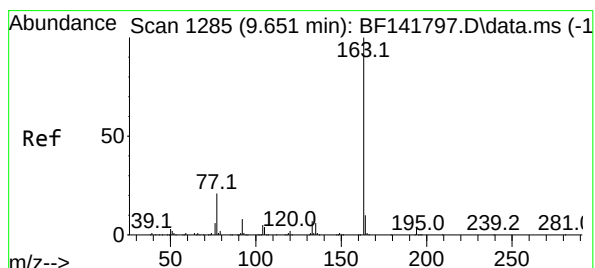
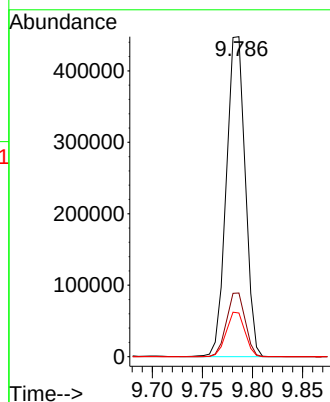
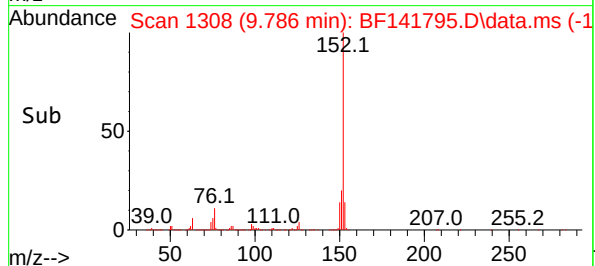
153 13.7 11.2 16.8

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Reviewed By :Yogesh Patel 02/28/2025

Supervised By :mohammad ahmed 02/28/2025



#50

Dimethylphthalate

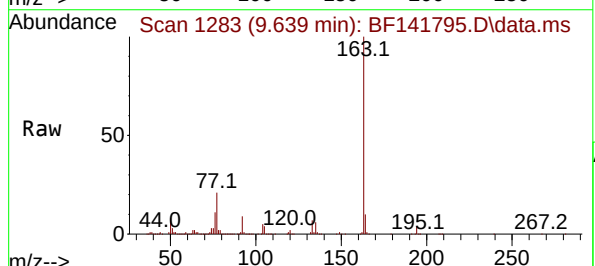
Concen: 10.491 ng

RT: 9.639 min Scan# 1283

Delta R.T. -0.012 min

Lab File: BF141795.D

Acq: 27 Feb 2025 16:16



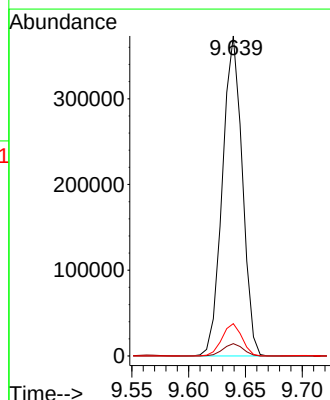
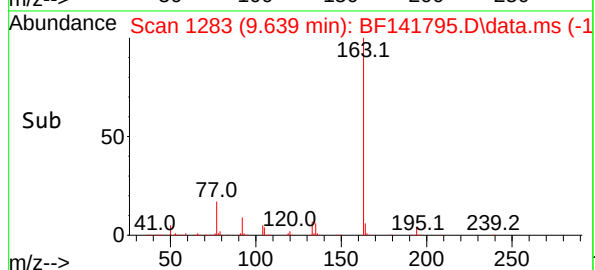
Tgt Ion:163 Resp: 455190

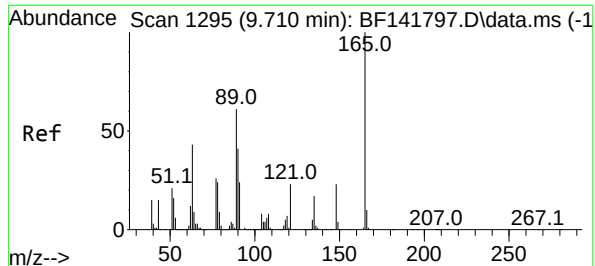
Ion Ratio Lower Upper

163 100

194 3.8 3.1 4.7

164 10.1 8.4 12.6





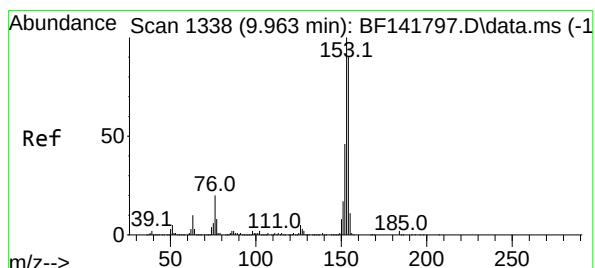
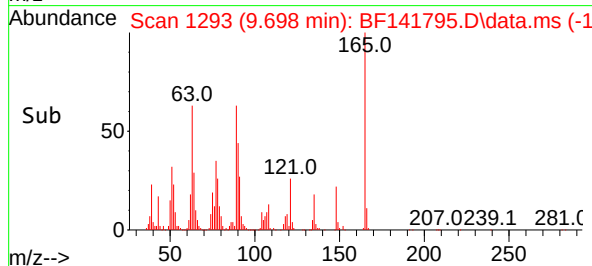
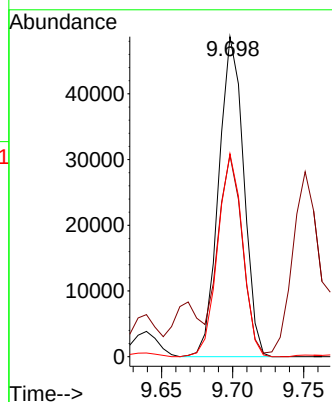
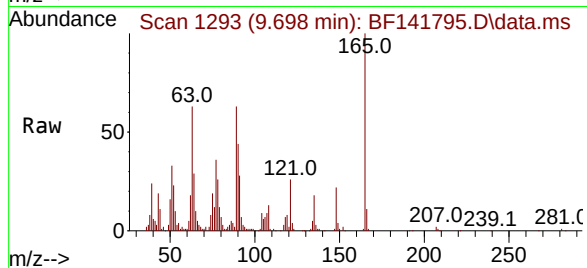
#51  
2,6-Dinitrotoluene  
Concen: 9.588 ng  
RT: 9.698 min Scan# 1295  
Delta R.T. -0.012 min  
Lab File: BF141795.D  
Acq: 27 Feb 2025 16:16

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC010

Tgt Ion:165 Resp: 5961  
Ion Ratio Lower Upper  
165 100  
63 62.9 49.5 74.3  
89 63.4 49.0 73.4

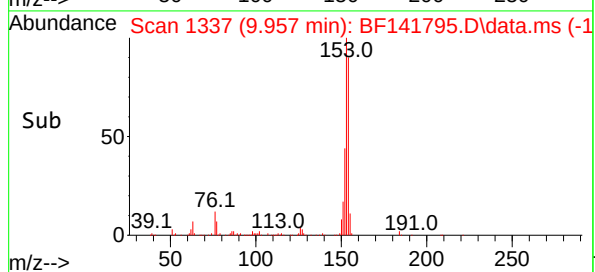
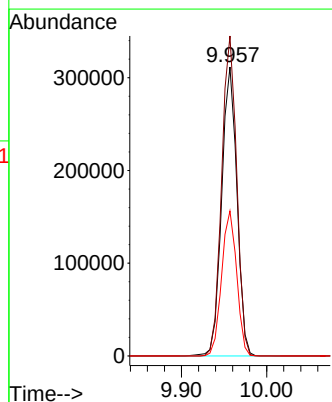
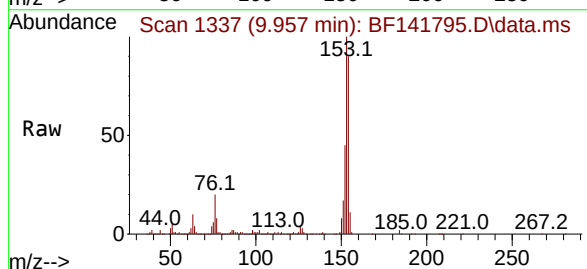
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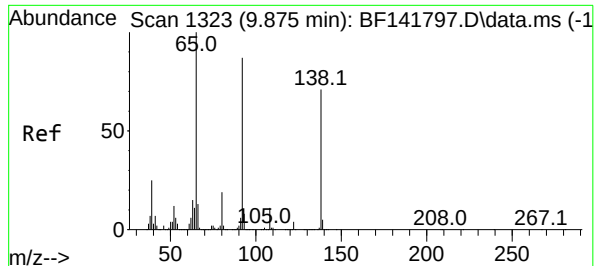
Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025



#52  
Acenaphthene  
Concen: 10.568 ng  
RT: 9.957 min Scan# 1337  
Delta R.T. -0.006 min  
Lab File: BF141795.D  
Acq: 27 Feb 2025 16:16

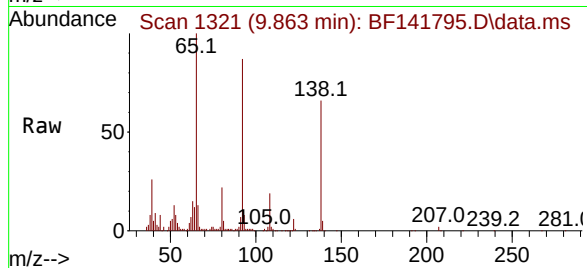
Tgt Ion:154 Resp: 389154  
Ion Ratio Lower Upper  
154 100  
153 110.7 88.7 133.1  
152 50.2 40.9 61.3





#53  
3-Nitroaniline  
Concen: 9.606 ng  
RT: 9.863 min Scan# 1321  
Delta R.T. -0.012 min  
Lab File: BF141795.D  
Acq: 27 Feb 2025 16:16

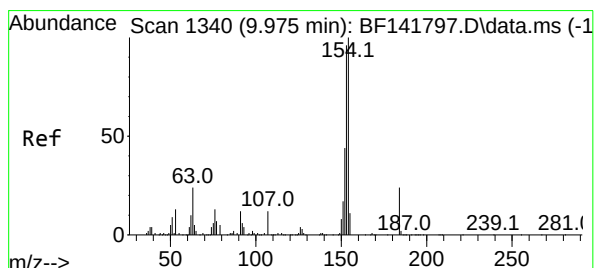
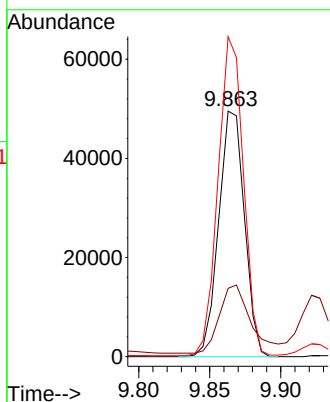
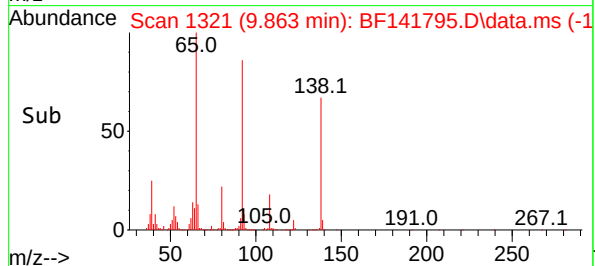
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC010



Tgt Ion:138 Resp: 62569  
Ion Ratio Lower Upper  
138 100  
108 27.8 12.7 19.1#  
92 130.3 97.9 146.9

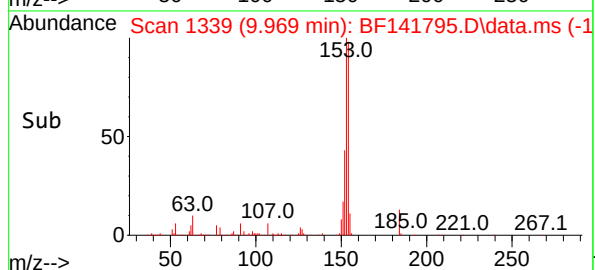
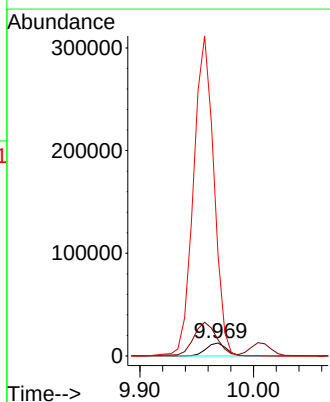
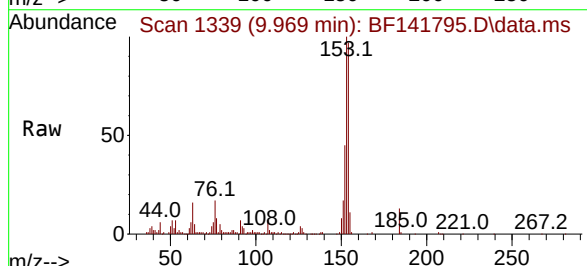
Manual Integrations  
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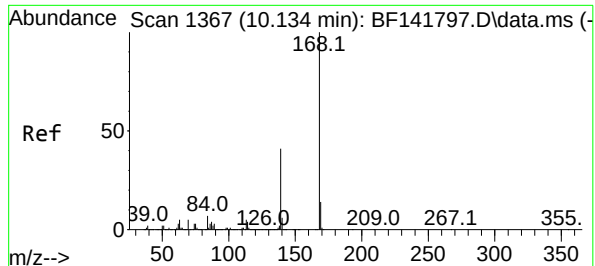
Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025



#54  
2,4-Dinitrophenol  
Concen: 10.881 ng  
RT: 9.969 min Scan# 1339  
Delta R.T. -0.006 min  
Lab File: BF141795.D  
Acq: 27 Feb 2025 16:16

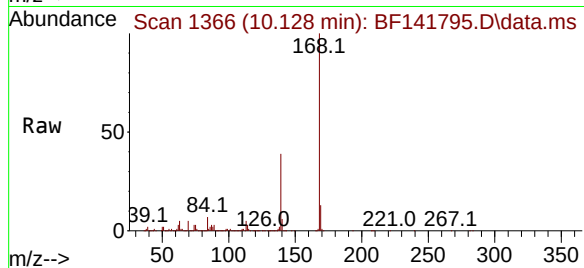
Tgt Ion:184 Resp: 15803  
Ion Ratio Lower Upper  
184 100  
63 124.5 79.0 118.6#  
154 775.6 335.8 503.8#





#55  
Dibenzenofuran  
Concen: 10.843 ng  
RT: 10.128 min Scan# 1366  
Delta R.T. -0.006 min  
Lab File: BF141795.D  
Acq: 27 Feb 2025 16:16

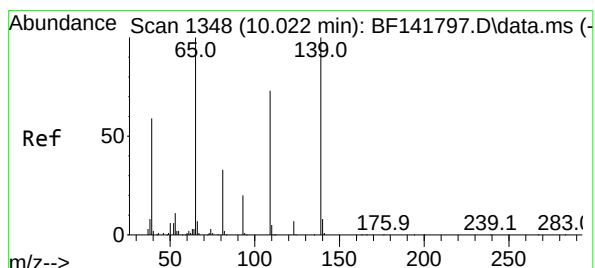
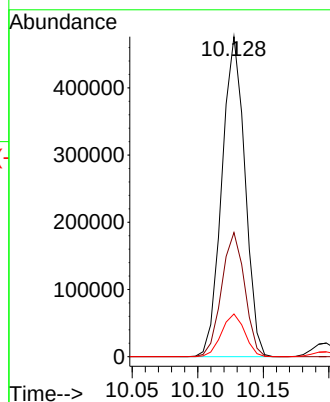
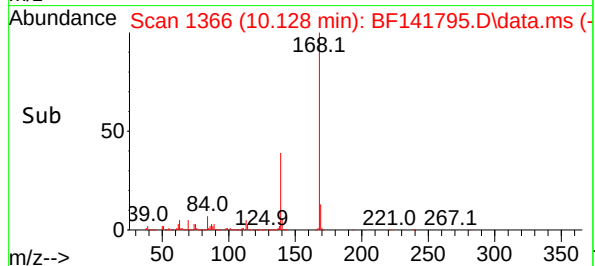
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC010



Tgt Ion:168 Resp: 581120  
Ion Ratio Lower Upper  
168 100  
139 38.8 32.9 49.3  
169 13.4 11.1 16.7

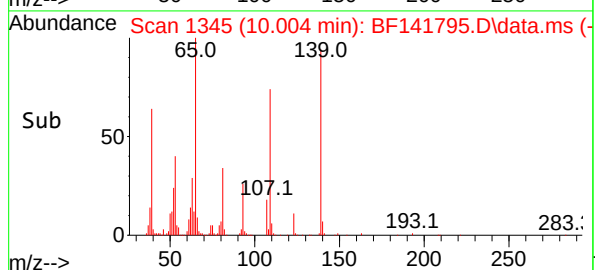
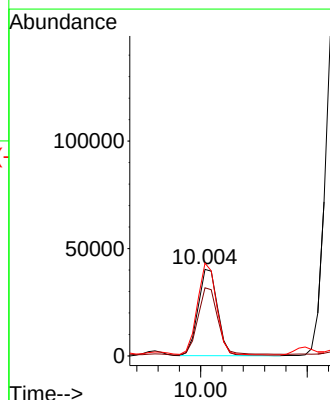
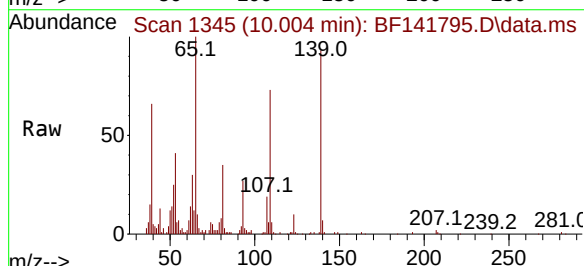
Manual Integrations  
APPROVED

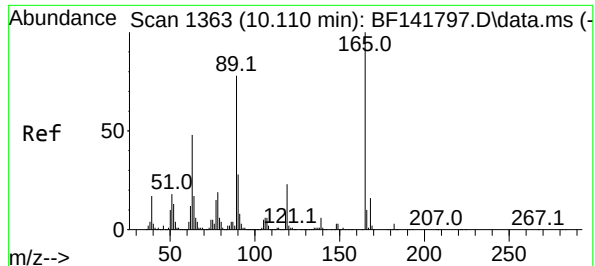
Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025



#56  
4-Nitrophenol  
Concen: 8.022 ng  
RT: 10.004 min Scan# 1345  
Delta R.T. -0.018 min  
Lab File: BF141795.D  
Acq: 27 Feb 2025 16:16

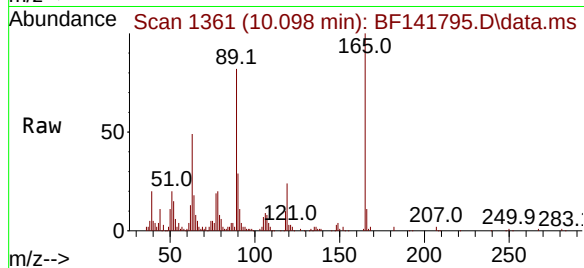
Tgt Ion:139 Resp: 51406  
Ion Ratio Lower Upper  
139 100  
109 78.6 53.4 93.4  
65 107.2 82.1 122.1





#57  
2,4-Dinitrotoluene  
Concen: 9.401 ng  
RT: 10.098 min Scan# 1361  
Delta R.T. -0.012 min  
Lab File: BF141795.D  
Acq: 27 Feb 2025 16:16

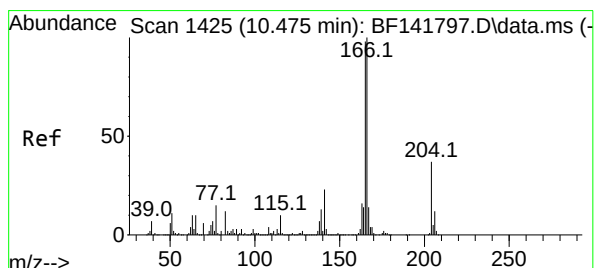
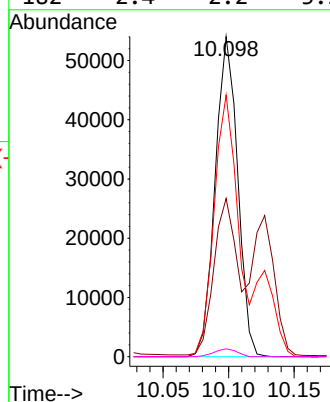
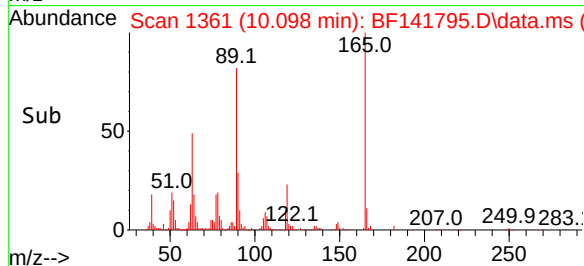
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC010



Tgt Ion:165 Resp: 6429  
Ion Ratio Lower Upper  
165 100  
63 49.5 38.8 58.2  
89 81.7 62.6 94.0  
182 2.4 2.2 3.2

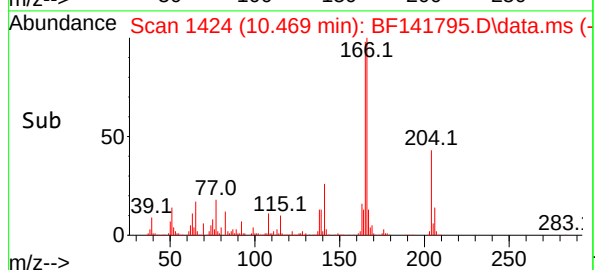
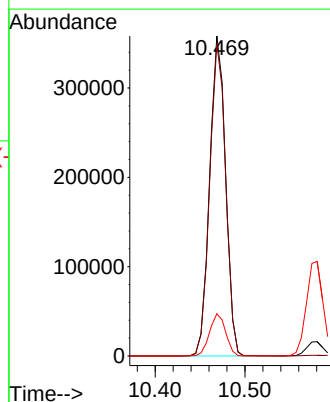
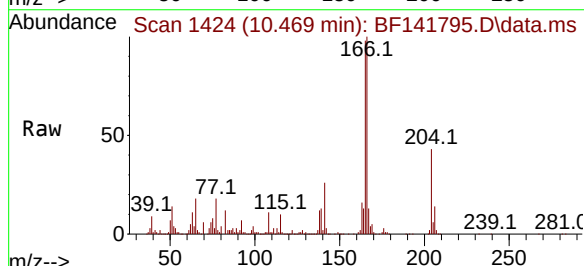
Manual Integrations  
APPROVED

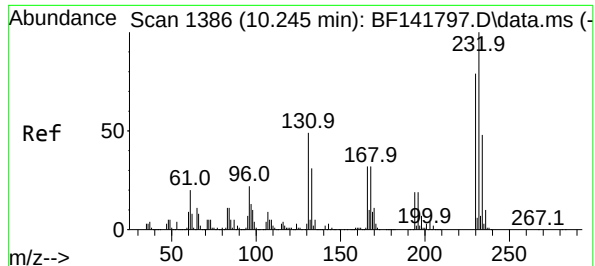
Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025



#58  
Fluorene  
Concen: 11.027 ng  
RT: 10.469 min Scan# 1424  
Delta R.T. -0.006 min  
Lab File: BF141795.D  
Acq: 27 Feb 2025 16:16

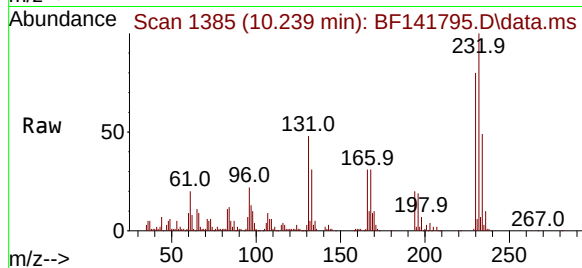
Tgt Ion:166 Resp: 442697  
Ion Ratio Lower Upper  
166 100  
165 97.5 78.6 117.8  
167 13.2 11.0 16.4





#59  
2,3,4,6-Tetrachlorophenol  
Concen: 9.772 ng  
RT: 10.239 min Scan# 1385  
Delta R.T. -0.006 min  
Lab File: BF141795.D  
Acq: 27 Feb 2025 16:16

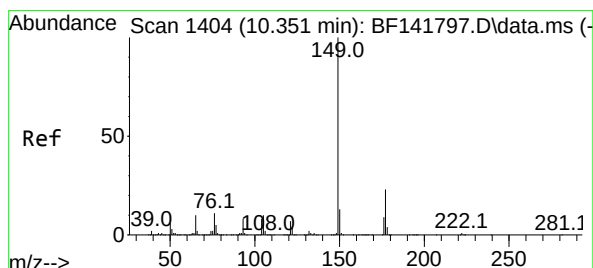
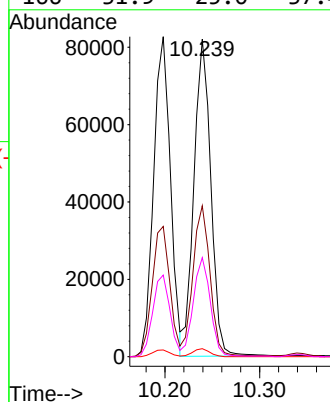
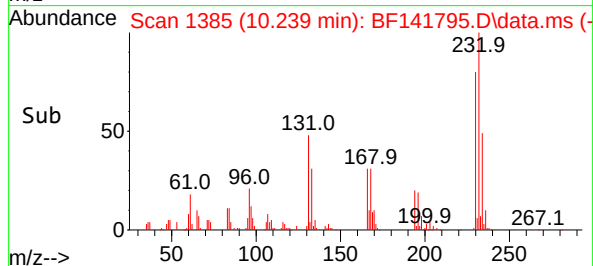
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC010



Tgt Ion:232 Resp: 101729  
Ion Ratio Lower Upper  
232 100  
131 47.7 37.8 56.8  
130 2.6 2.0 3.0  
166 31.9 25.0 37.4

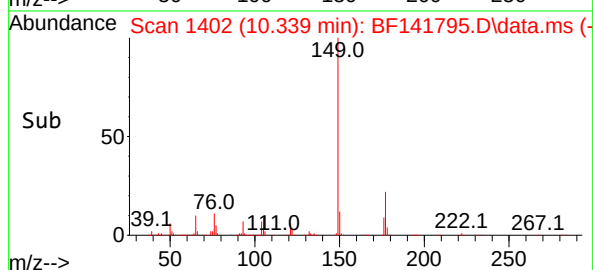
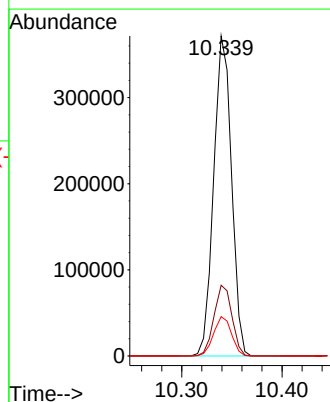
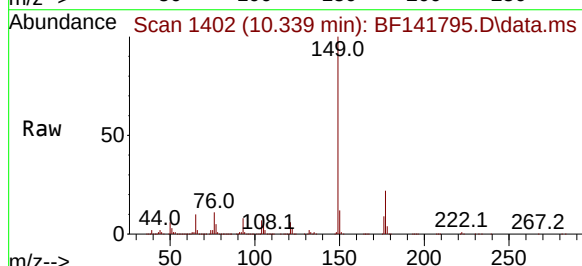
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025

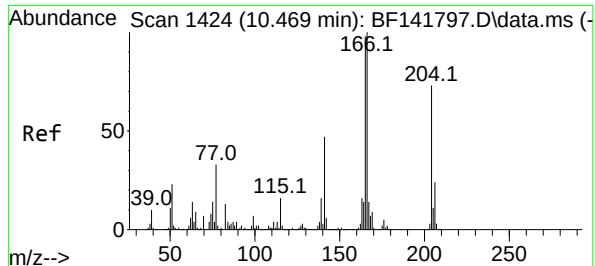


#60  
Diethylphthalate  
Concen: 10.520 ng  
RT: 10.339 min Scan# 1402  
Delta R.T. -0.012 min  
Lab File: BF141795.D  
Acq: 27 Feb 2025 16:16

Tgt Ion:149 Resp: 457600  
Ion Ratio Lower Upper  
149 100  
177 22.1 18.3 27.5  
150 12.3 10.3 15.5

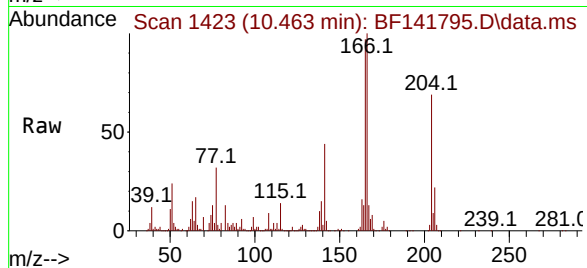






#61  
4-Chlorophenyl-phenylether  
Concen: 10.703 ng  
RT: 10.463 min Scan# 1423  
Delta R.T. -0.006 min  
Lab File: BF141795.D  
Acq: 27 Feb 2025 16:16

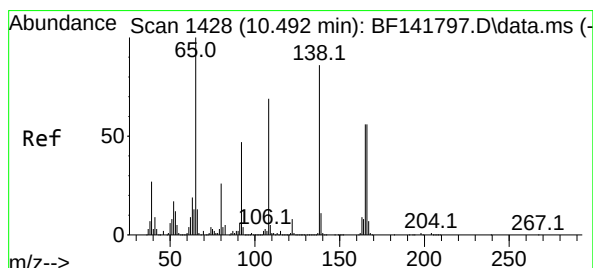
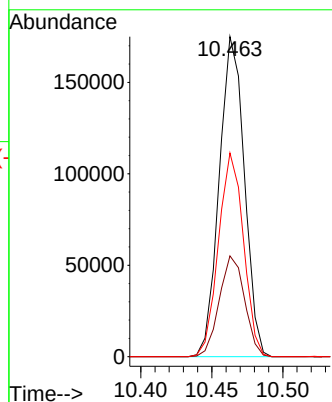
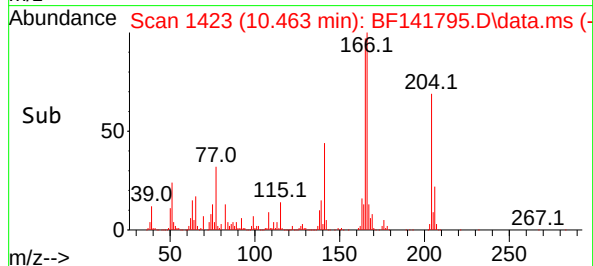
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC010



Tgt Ion:204 Resp: 215289  
Ion Ratio Lower Upper  
204 100  
206 31.5 26.2 39.4  
141 63.7 51.7 77.5

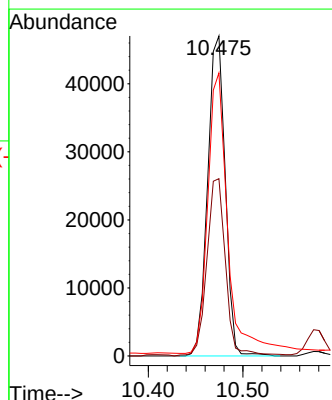
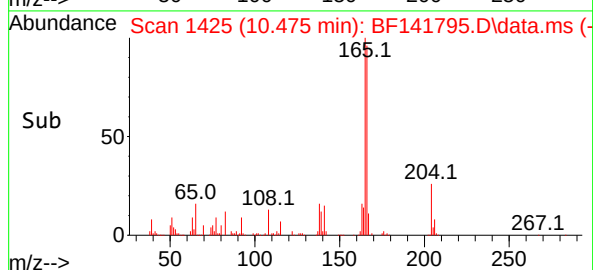
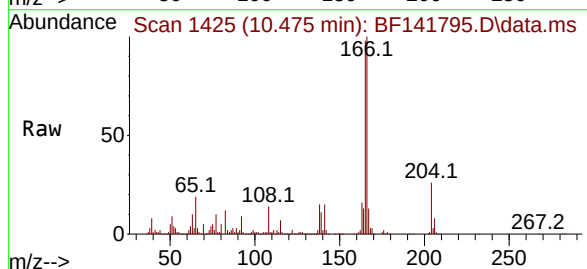
Manual Integrations  
APPROVED

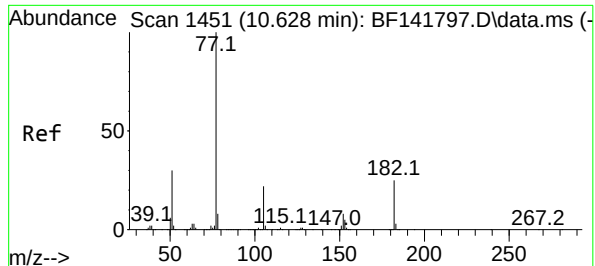
Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025



#62  
4-Nitroaniline  
Concen: 8.172 ng  
RT: 10.475 min Scan# 1425  
Delta R.T. -0.018 min  
Lab File: BF141795.D  
Acq: 27 Feb 2025 16:16

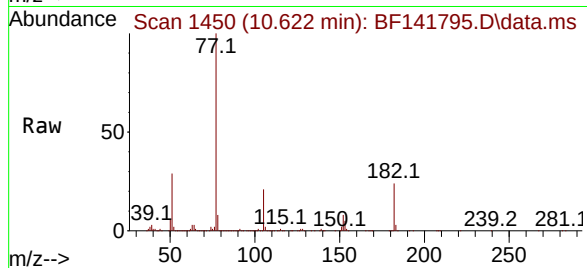
Tgt Ion:138 Resp: 60552  
Ion Ratio Lower Upper  
138 100  
92 55.4 34.9 74.9  
108 88.5 59.6 99.6





#63  
Azobenzene  
Concen: 10.631 ng  
RT: 10.622 min Scan# 1450  
Delta R.T. -0.006 min  
Lab File: BF141795.D  
Acq: 27 Feb 2025 16:16

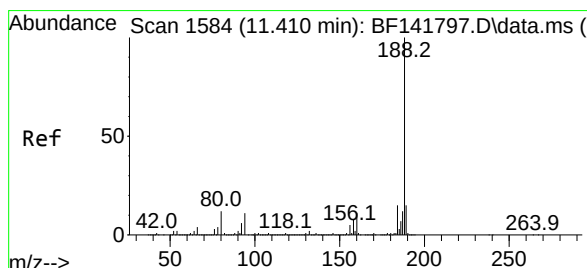
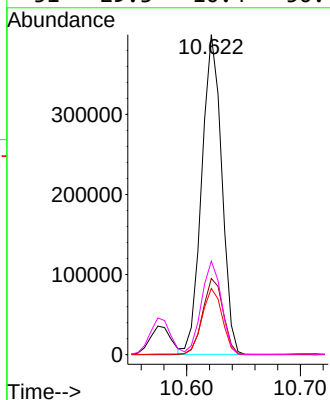
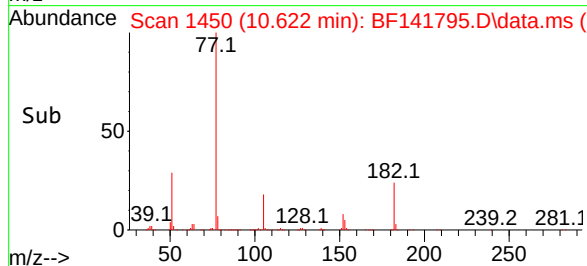
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC010



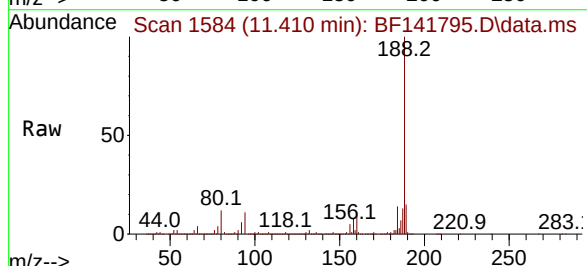
Tgt Ion: 77 Resp: 486878  
Ion Ratio Lower Upper  
77 100  
182 23.8 4.2 44.2  
105 20.7 1.5 41.5  
51 29.3 10.4 50.4

Manual Integrations  
APPROVED

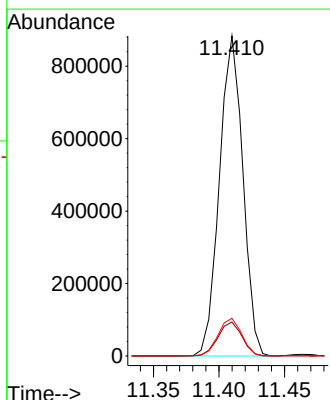
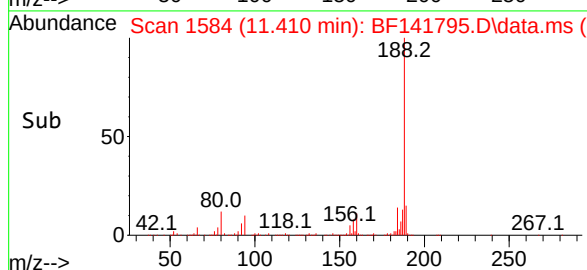
Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025

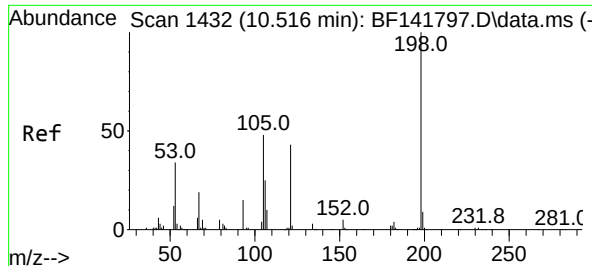


#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.410 min Scan# 1584  
Delta R.T. -0.000 min  
Lab File: BF141795.D  
Acq: 27 Feb 2025 16:16



Tgt Ion:188 Resp: 1098842  
Ion Ratio Lower Upper  
188 100  
94 10.6 8.9 13.3  
80 11.7 9.7 14.5





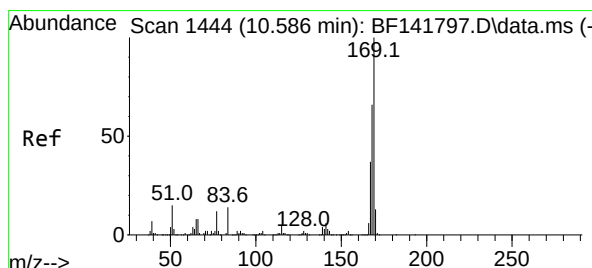
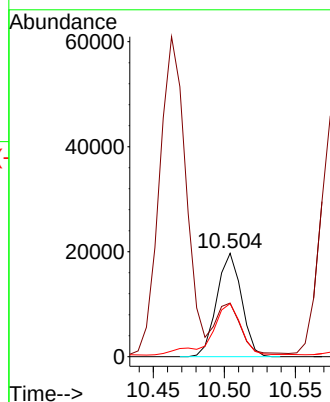
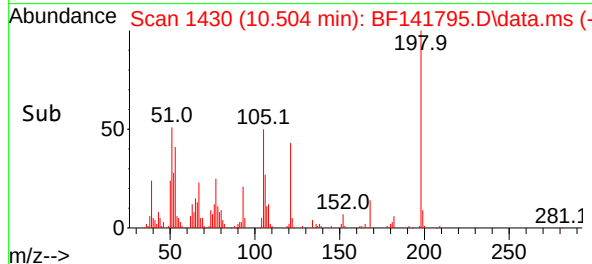
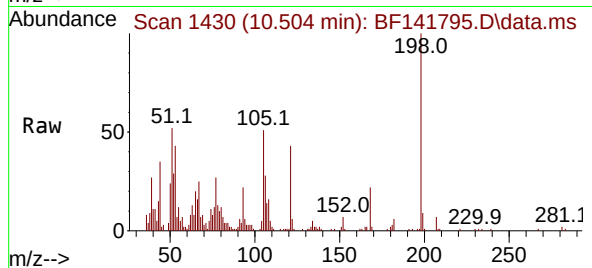
#65  
4,6-Dinitro-2-methylphenol  
Concen: 11.957 ng  
RT: 10.504 min Scan# 1430  
Delta R.T. -0.012 min  
Lab File: BF141795.D  
Acq: 27 Feb 2025 16:16

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC010

Tgt Ion:198 Resp: 2386  
Ion Ratio Lower Upper  
198 100  
51 51.8 32.1 72.1  
105 51.4 28.5 68.5

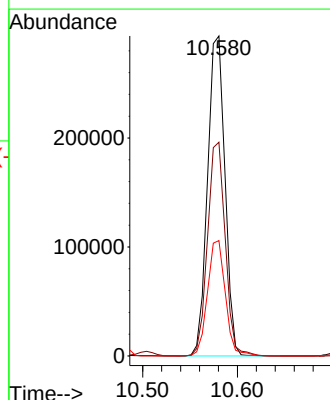
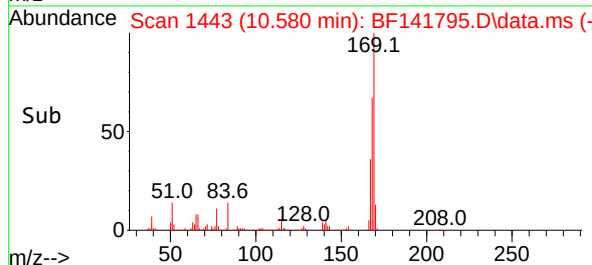
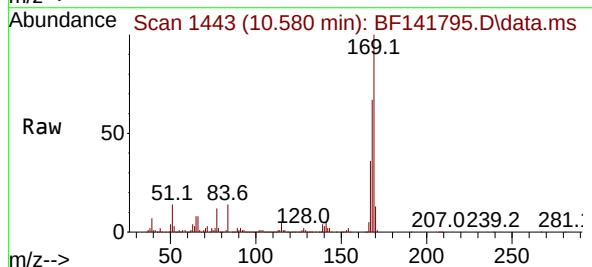
Manual Integrations  
APPROVED

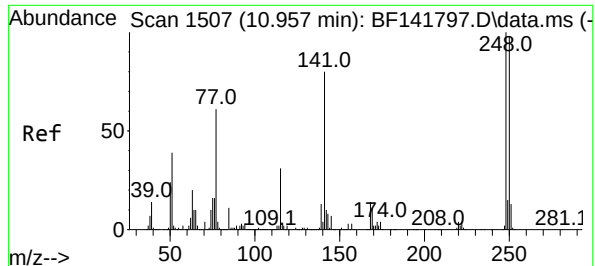
Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025



#66  
n-Nitrosodiphenylamine  
Concen: 10.369 ng  
RT: 10.580 min Scan# 1443  
Delta R.T. -0.006 min  
Lab File: BF141795.D  
Acq: 27 Feb 2025 16:16

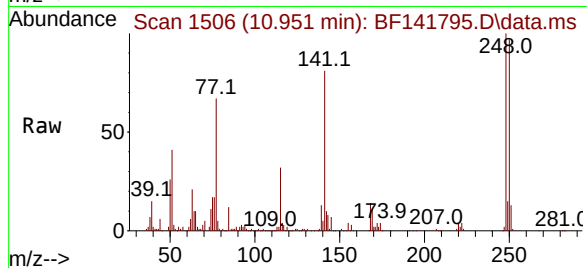
Tgt Ion:169 Resp: 374119  
Ion Ratio Lower Upper  
169 100  
168 66.8 53.0 79.6  
167 36.1 29.3 43.9





#67  
4-Bromophenyl-phenylether  
Concen: 10.165 ng  
RT: 10.951 min Scan# 1506  
Delta R.T. -0.006 min  
Lab File: BF141795.D  
Acq: 27 Feb 2025 16:16

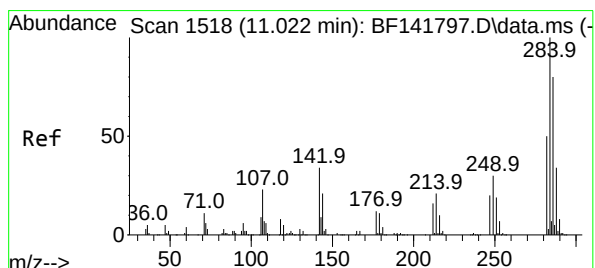
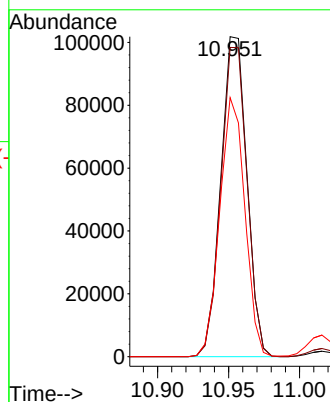
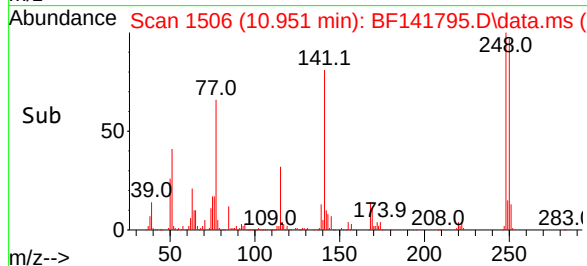
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC010



Tgt Ion:248 Resp: 13046  
Ion Ratio Lower Upper  
248 100  
250 96.6 78.1 117.1  
141 81.0 64.3 96.5

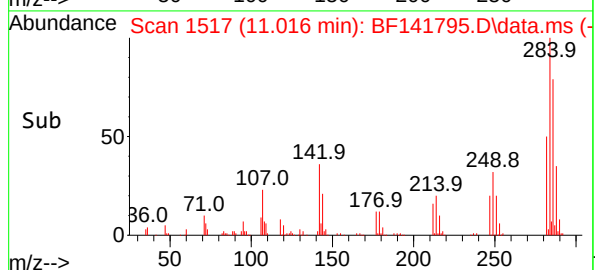
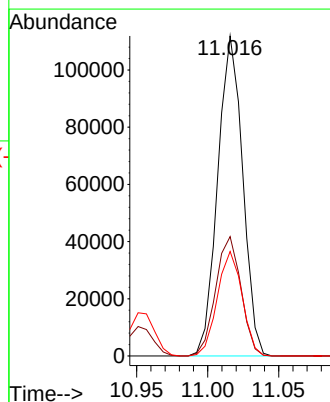
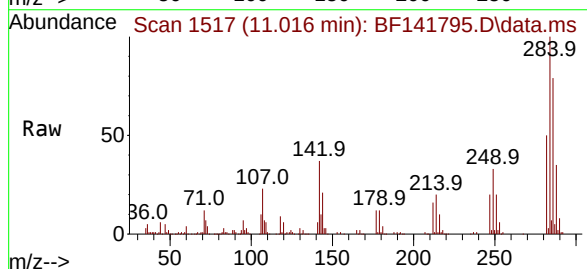
Manual Integrations  
APPROVED

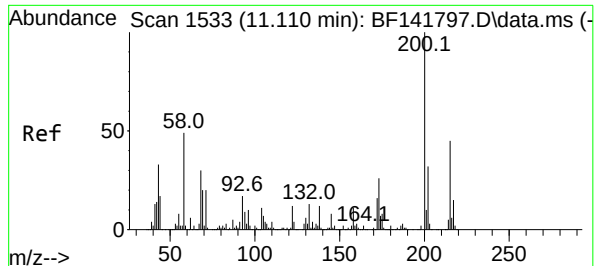
Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025



#68  
Hexachlorobenzene  
Concen: 10.081 ng  
RT: 11.016 min Scan# 1517  
Delta R.T. -0.006 min  
Lab File: BF141795.D  
Acq: 27 Feb 2025 16:16

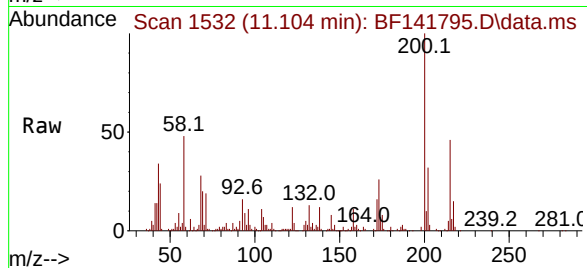
Tgt Ion:284 Resp: 136626  
Ion Ratio Lower Upper  
284 100  
142 37.3 28.2 42.2  
249 32.7 25.5 38.3





#69  
Atrazine  
Concen: 11.517 ng  
RT: 11.104 min Scan# 114270  
Delta R.T. -0.006 min  
Lab File: BF141795.D  
Acq: 27 Feb 2025 16:16

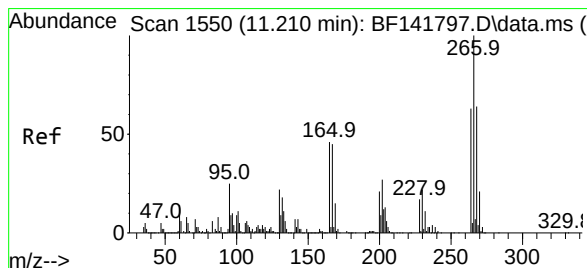
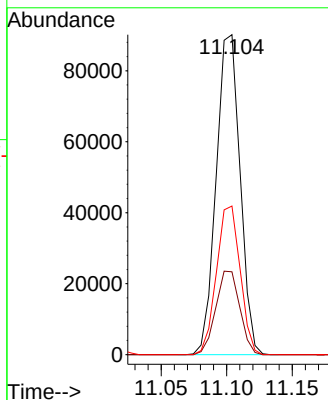
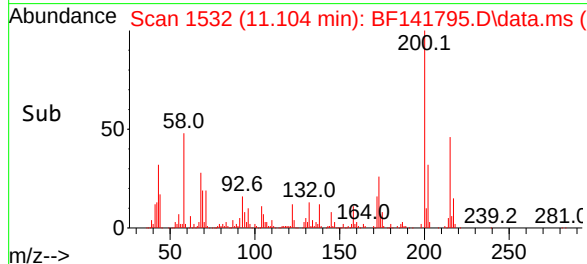
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC010



Tgt Ion:200 Resp: 114270  
Ion Ratio Lower Upper  
200 100  
173 25.9 5.6 45.6  
215 46.5 25.3 65.3

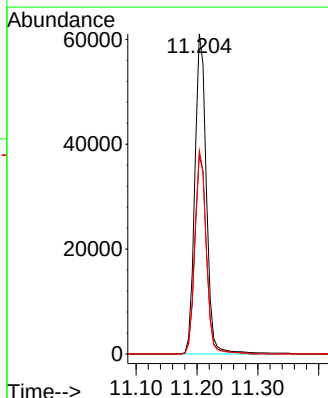
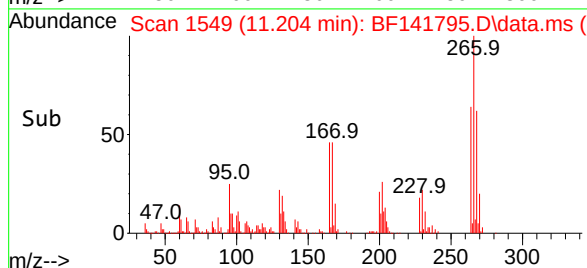
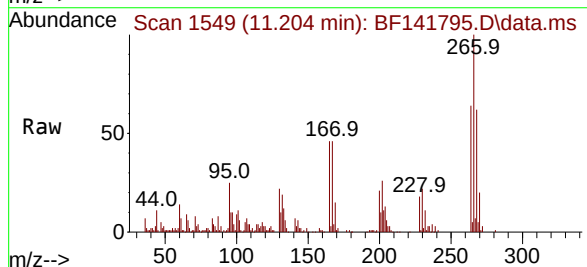
Manual Integrations  
APPROVED

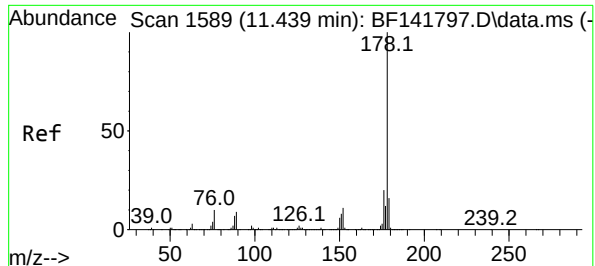
Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025



#70  
Pentachlorophenol  
Concen: 9.334 ng  
RT: 11.204 min Scan# 1549  
Delta R.T. -0.006 min  
Lab File: BF141795.D  
Acq: 27 Feb 2025 16:16

Tgt Ion:266 Resp: 80231  
Ion Ratio Lower Upper  
266 100  
268 62.2 50.9 76.3  
264 63.6 50.2 75.4





#71

Phenanthrene

Concen: 10.764 ng

RT: 11.433 min Scan# 1588

Delta R.T. -0.006 min

Lab File: BF141795.D

Acq: 27 Feb 2025 16:16

Instrument :

BNA\_F

ClientSampleId :

SSTDICC010

Tgt Ion:178 Resp: 632699

Ion Ratio Lower Upper

178 100

176 19.3 16.0 24.0

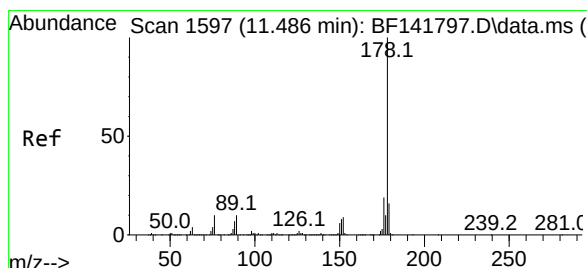
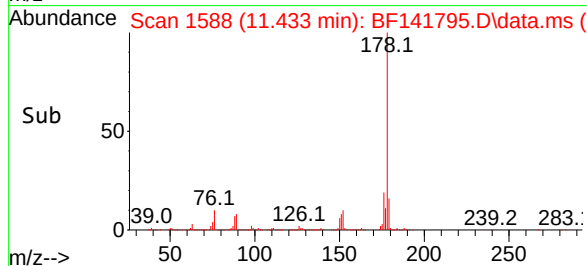
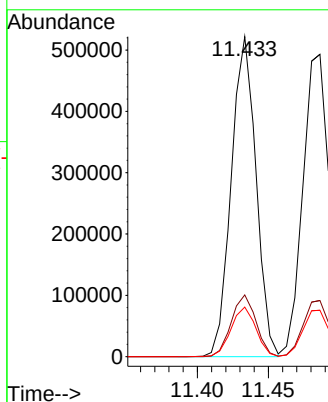
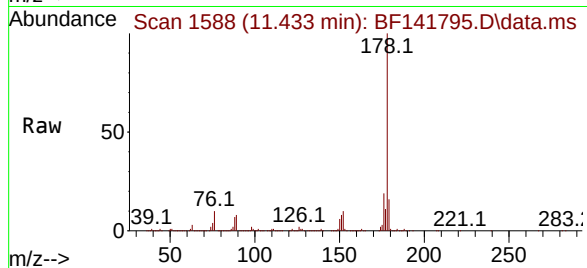
179 15.5 12.6 19.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/28/2025

Supervised By :mohammad ahmed 02/28/2025



#72

Anthracene

Concen: 10.785 ng

RT: 11.486 min Scan# 1597

Delta R.T. -0.000 min

Lab File: BF141795.D

Acq: 27 Feb 2025 16:16

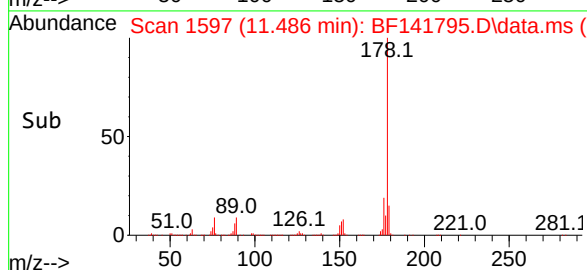
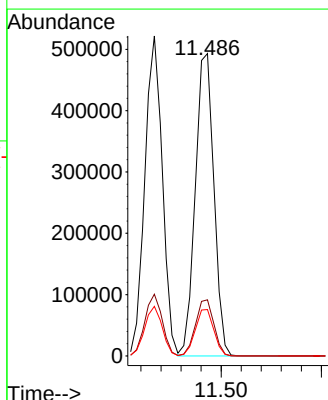
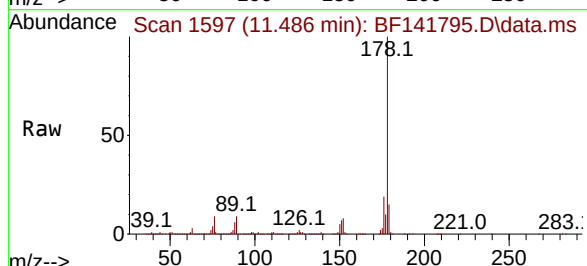
Tgt Ion:178 Resp: 635314

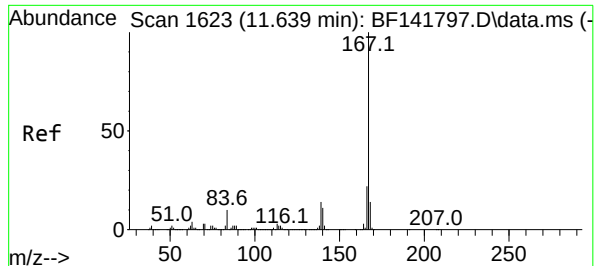
Ion Ratio Lower Upper

178 100

176 18.6 15.4 23.0

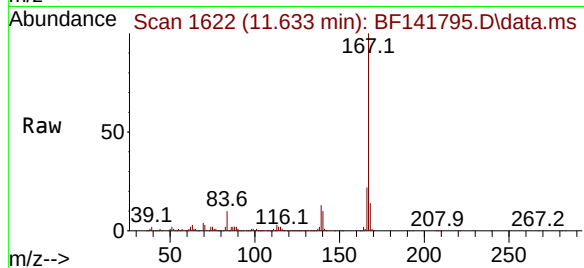
179 15.4 12.8 19.2





#73  
Carbazole  
Concen: 10.667 ng  
RT: 11.633 min Scan# 1622  
Delta R.T. -0.006 min  
Lab File: BF141795.D  
Acq: 27 Feb 2025 16:16

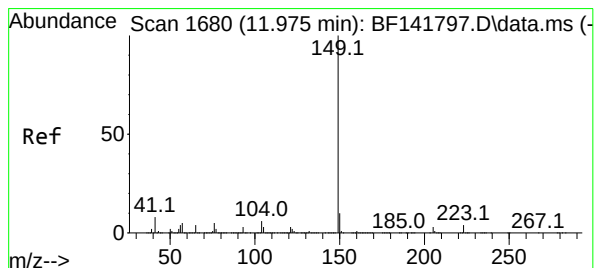
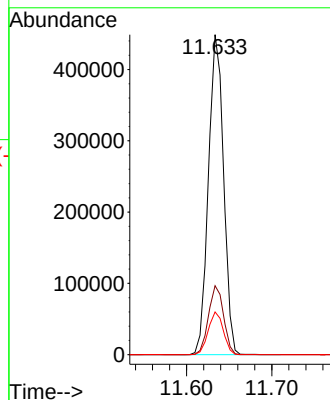
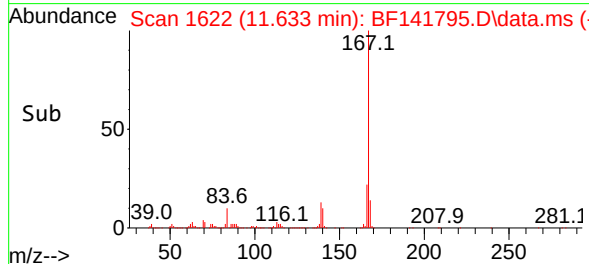
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC010



Tgt Ion:167 Resp: 554900  
Ion Ratio Lower Upper  
167 100  
166 21.6 17.5 26.3  
139 13.3 11.3 16.9

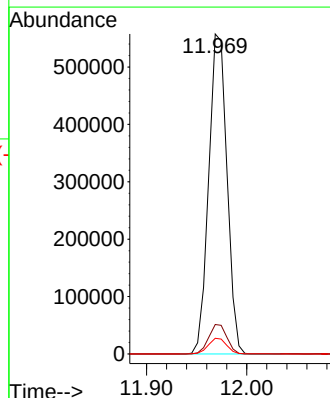
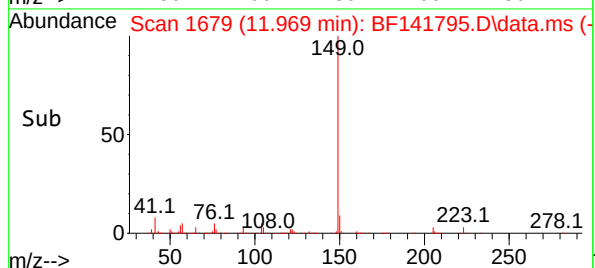
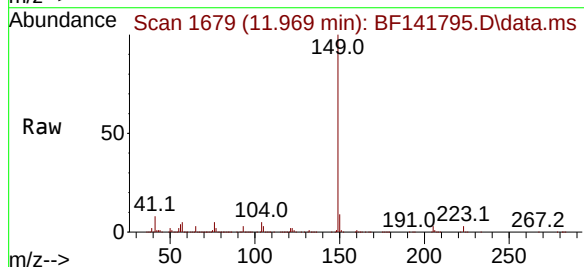
Manual Integrations  
APPROVED

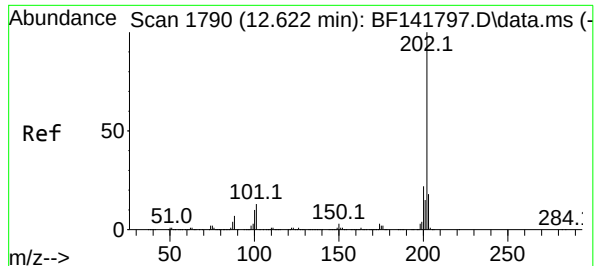
Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025



#74  
Di-n-butylphthalate  
Concen: 10.756 ng  
RT: 11.969 min Scan# 1679  
Delta R.T. -0.006 min  
Lab File: BF141795.D  
Acq: 27 Feb 2025 16:16

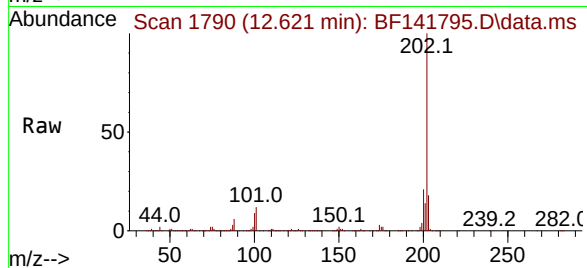
Tgt Ion:149 Resp: 709254  
Ion Ratio Lower Upper  
149 100  
150 9.2 7.7 11.5  
104 4.9 4.4 6.6





#75  
Fluoranthene  
Concen: 11.098 ng  
RT: 12.621 min Scan# 1790  
Delta R.T. -0.000 min  
Lab File: BF141795.D  
Acq: 27 Feb 2025 16:16

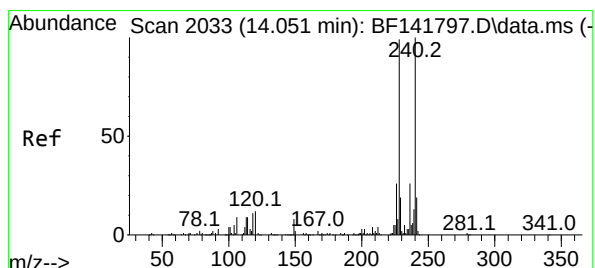
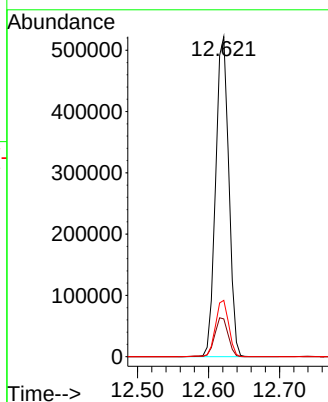
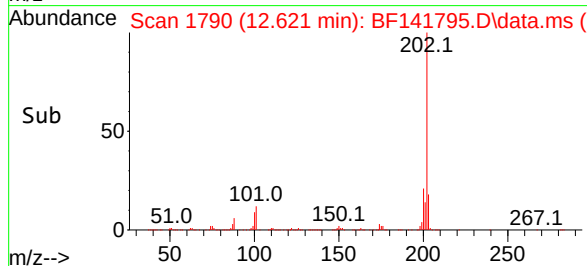
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC010



Tgt Ion:202 Resp: 668370  
Ion Ratio Lower Upper  
202 100  
101 11.8 0.0 32.8  
203 17.6 0.0 38.0

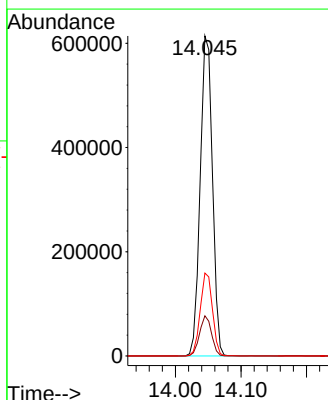
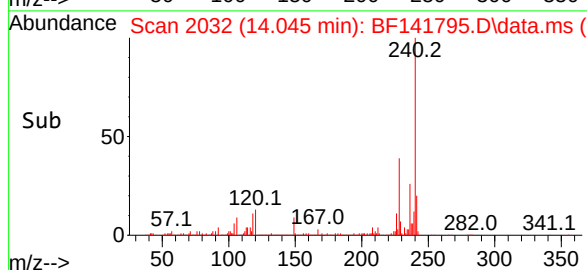
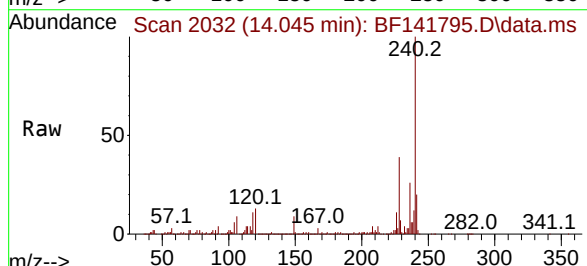
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025

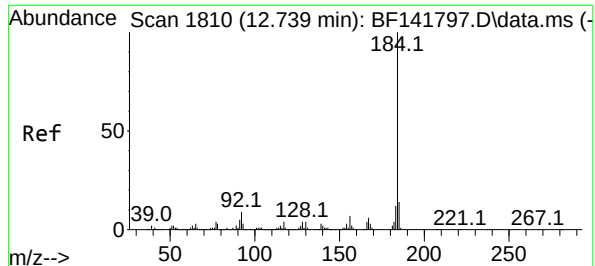


#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.045 min Scan# 2032  
Delta R.T. -0.006 min  
Lab File: BF141795.D  
Acq: 27 Feb 2025 16:16

Tgt Ion:240 Resp: 800194  
Ion Ratio Lower Upper  
240 100  
120 12.6 9.7 14.5  
236 25.9 21.0 31.4

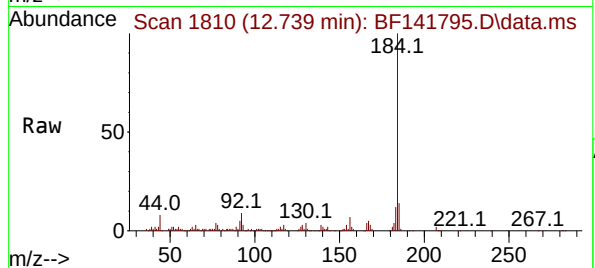






#77  
Benzidine  
Concen: 13.588 ng  
RT: 12.739 min Scan# 1810  
Delta R.T. 0.000 min  
Lab File: BF141795.D  
Acq: 27 Feb 2025 16:16

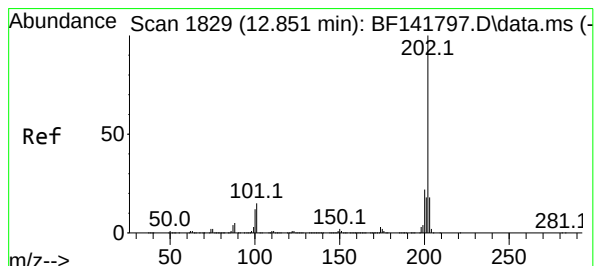
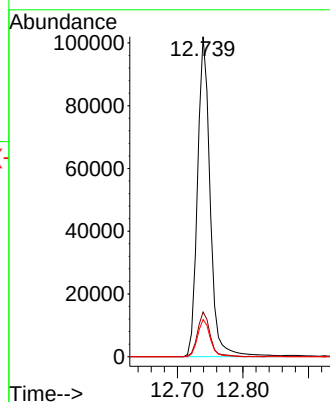
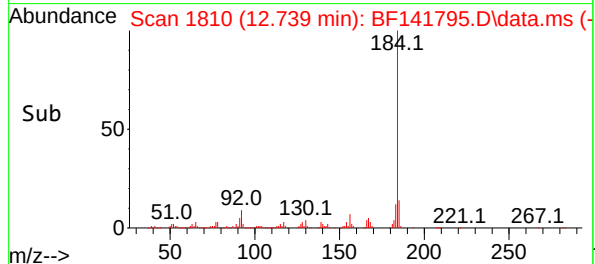
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC010



Tgt Ion:184 Resp: 13685  
Ion Ratio Lower Upper  
184 100  
185 14.0 11.6 17.4  
183 11.6 9.4 14.0

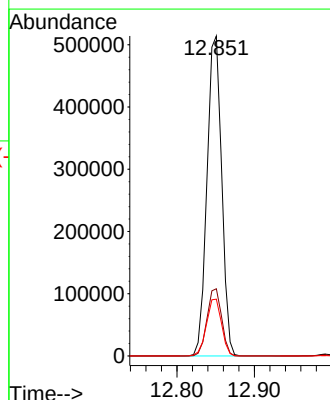
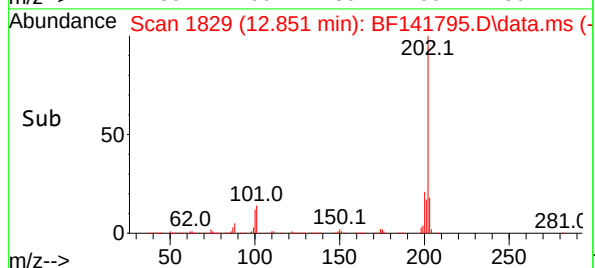
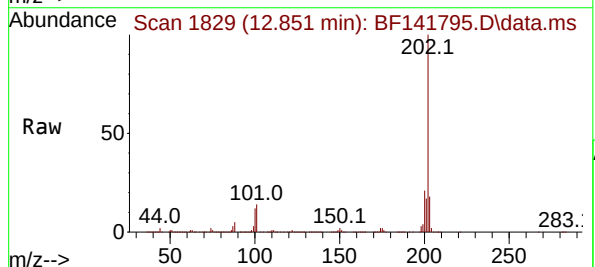
Manual Integrations  
APPROVED

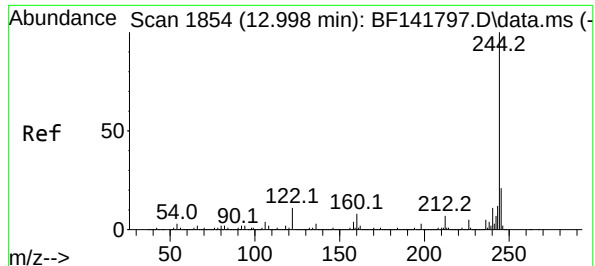
Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025



#78  
Pyrene  
Concen: 9.740 ng  
RT: 12.851 min Scan# 1829  
Delta R.T. -0.000 min  
Lab File: BF141795.D  
Acq: 27 Feb 2025 16:16

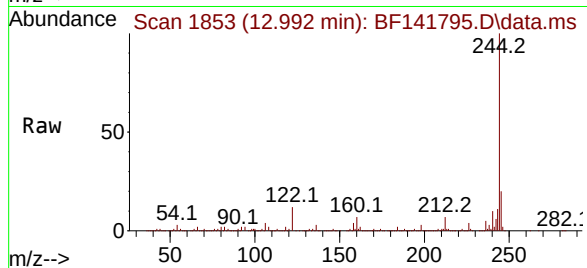
Tgt Ion:202 Resp: 674877  
Ion Ratio Lower Upper  
202 100  
200 21.0 17.4 26.0  
203 17.7 14.6 22.0





#79  
Terphenyl-d14  
Concen: 19.952 ng  
RT: 12.992 min Scan# 1853  
Delta R.T. -0.006 min  
Lab File: BF141795.D  
Acq: 27 Feb 2025 16:16

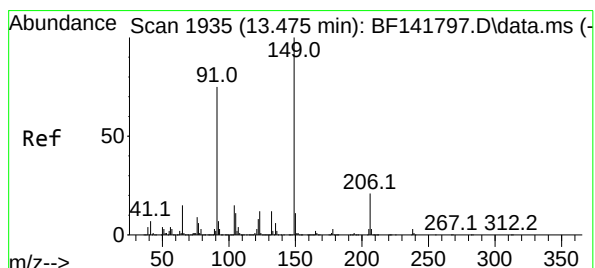
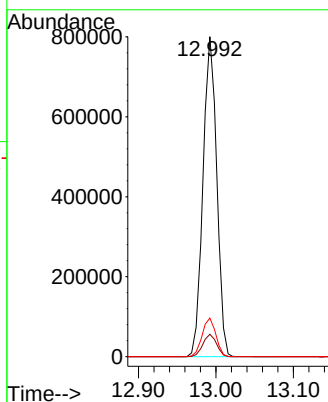
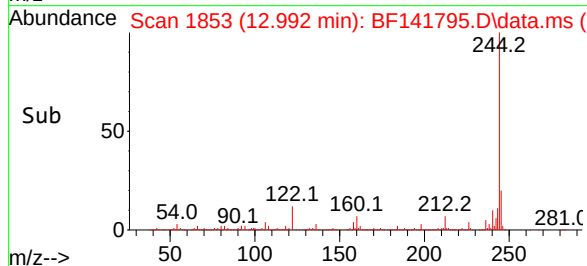
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC010



Tgt Ion:244 Resp: 986780  
Ion Ratio Lower Upper  
244 100  
212 7.0 6.0 9.0  
122 12.1 9.0 13.6

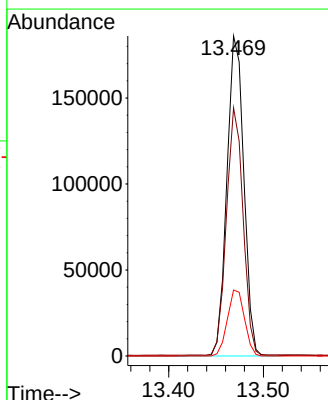
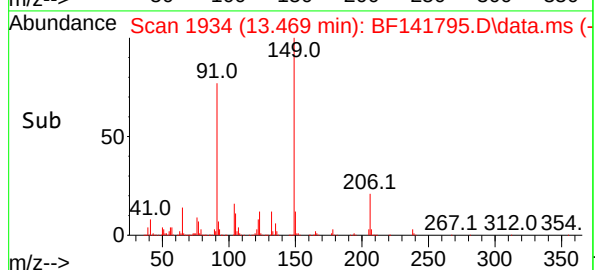
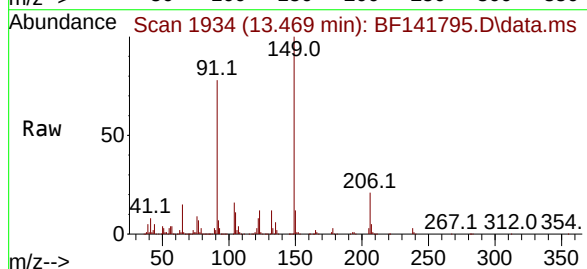
Manual Integrations  
APPROVED

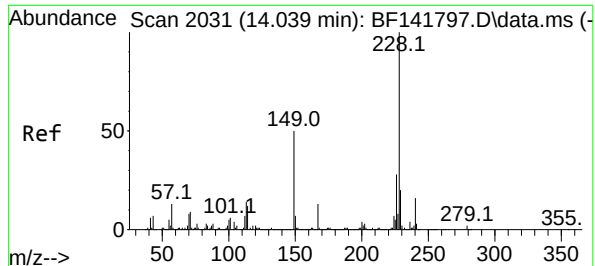
Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025



#80  
Butylbenzylphthalate  
Concen: 9.194 ng  
RT: 13.469 min Scan# 1934  
Delta R.T. -0.006 min  
Lab File: BF141795.D  
Acq: 27 Feb 2025 16:16

Tgt Ion:149 Resp: 231474  
Ion Ratio Lower Upper  
149 100  
91 77.5 60.1 90.1  
206 20.6 16.8 25.2





#81

Benzo(a)anthracene

Concen: 10.496 ng

RT: 14.033 min Scan# 2031

Delta R.T. -0.006 min

Lab File: BF141795.D

Acq: 27 Feb 2025 16:16

Instrument :

BNA\_F

ClientSampleId :

SSTDICC010

Tgt Ion:228 Resp: 554778

Ion Ratio Lower Upper

228 100

226 26.9 22.1 33.1

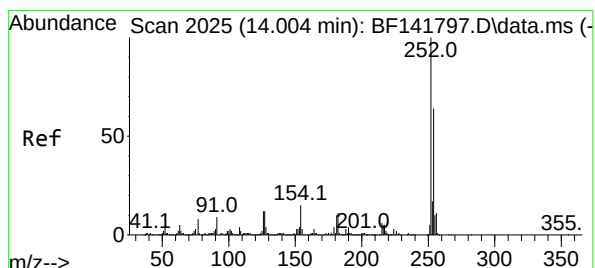
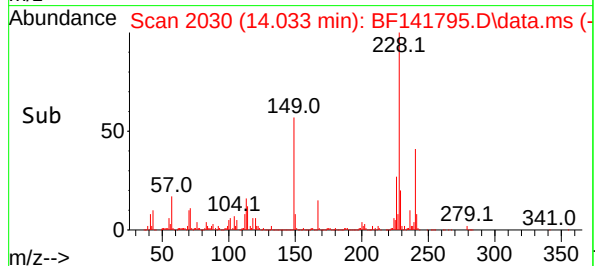
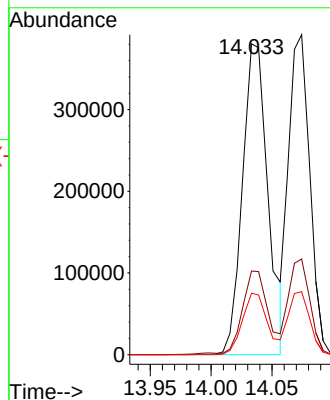
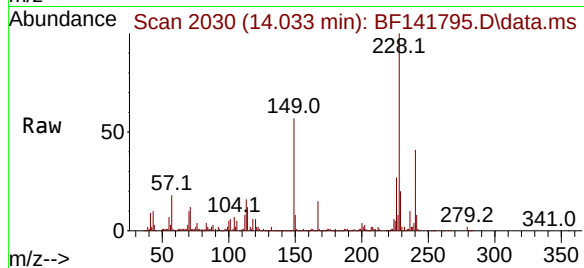
229 19.8 16.1 24.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/28/2025

Supervised By :mohammad ahmed 02/28/2025



#82

3,3'-Dichlorobenzidine

Concen: 10.033 ng

RT: 13.998 min Scan# 2024

Delta R.T. -0.006 min

Lab File: BF141795.D

Acq: 27 Feb 2025 16:16

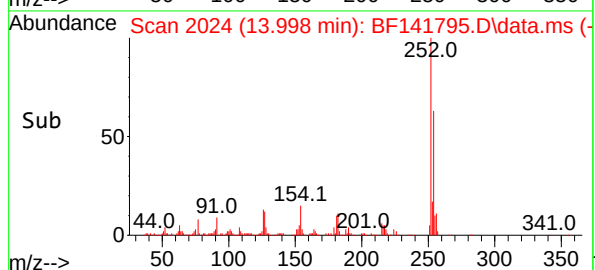
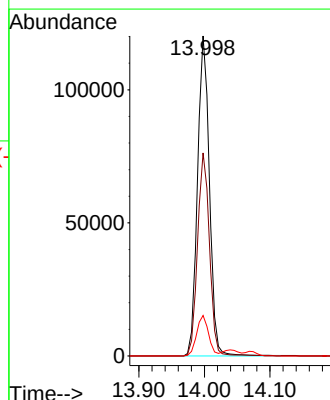
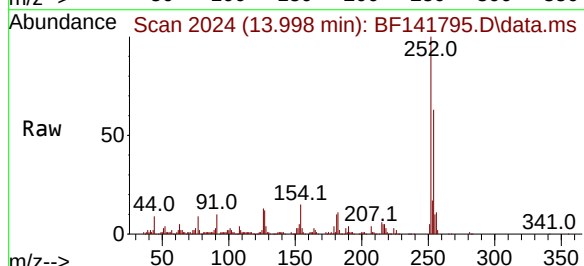
Tgt Ion:252 Resp: 152147

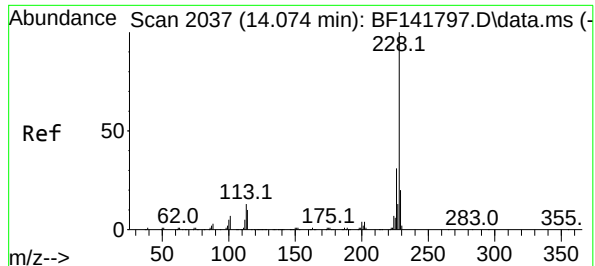
Ion Ratio Lower Upper

252 100

254 63.5 51.4 77.0

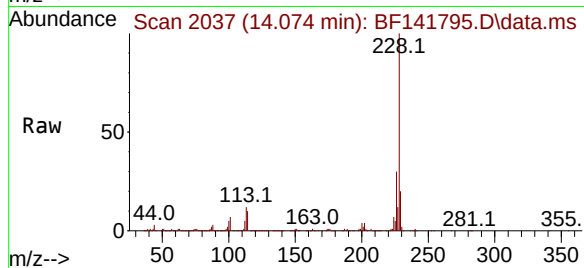
126 12.7 9.8 14.6





#83  
Chrysene  
Concen: 9.721 ng  
RT: 14.074 min Scan# 2037  
Delta R.T. -0.000 min  
Lab File: BF141795.D  
Acq: 27 Feb 2025 16:16

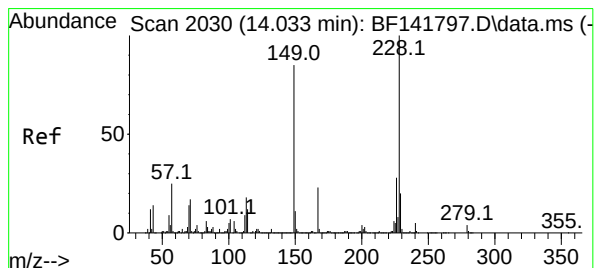
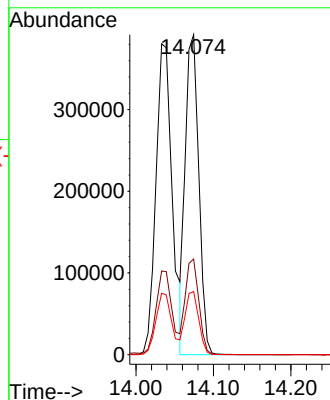
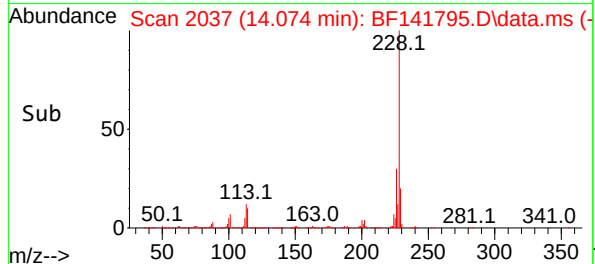
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC010



Tgt Ion:228 Resp: 473612  
Ion Ratio Lower Upper  
228 100  
226 29.9 24.6 37.0  
229 19.7 16.1 24.1

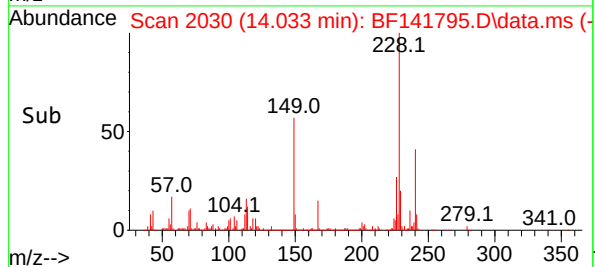
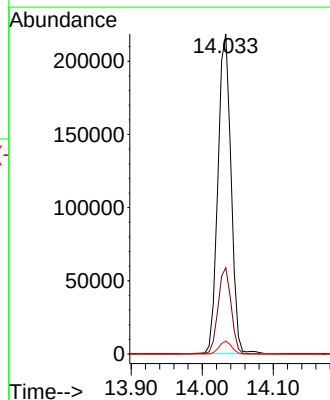
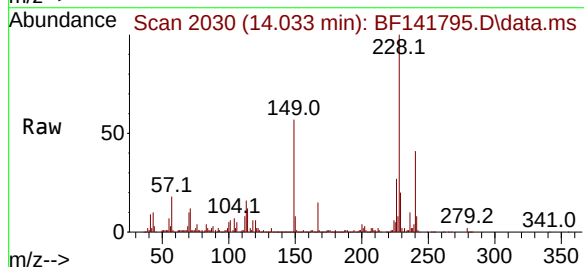
Manual Integrations  
APPROVED

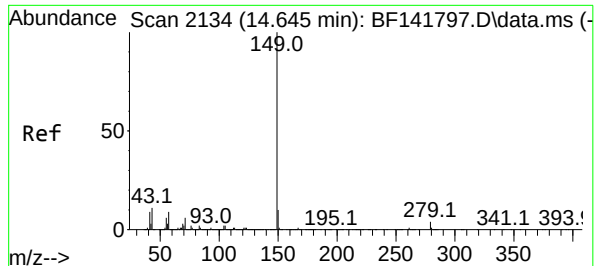
Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025



#84  
Bis(2-ethylhexyl)phthalate  
Concen: 8.884 ng  
RT: 14.033 min Scan# 2030  
Delta R.T. -0.000 min  
Lab File: BF141795.D  
Acq: 27 Feb 2025 16:16

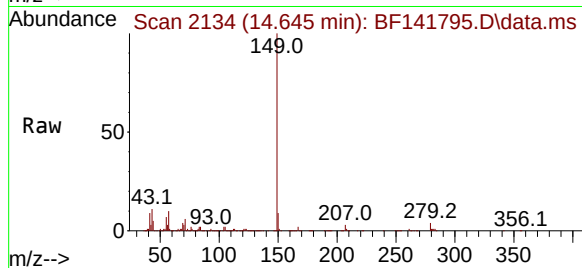
Tgt Ion:149 Resp: 278482  
Ion Ratio Lower Upper  
149 100  
167 26.9 21.2 31.8  
279 4.0 3.3 4.9





#85  
Di-n-octyl phthalate  
Concen: 7.857 ng  
RT: 14.645 min Scan# 2134  
Delta R.T. -0.000 min  
Lab File: BF141795.D  
Acq: 27 Feb 2025 16:16

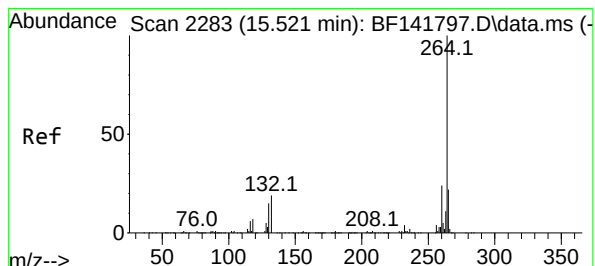
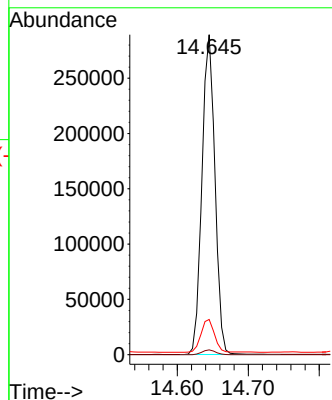
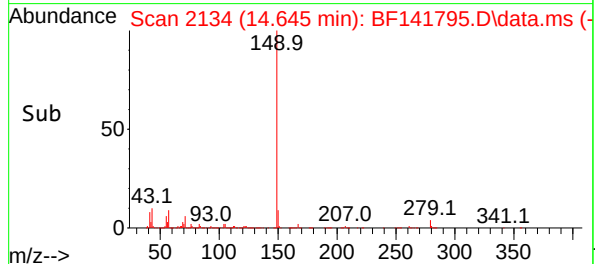
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC010



Tgt Ion:149 Resp: 36871  
Ion Ratio Lower Upper  
149 100  
167 1.5 1.2 1.8  
43 10.8 8.6 12.8

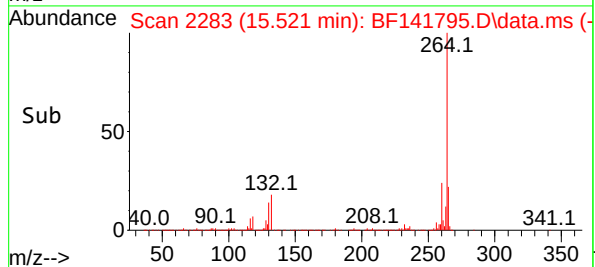
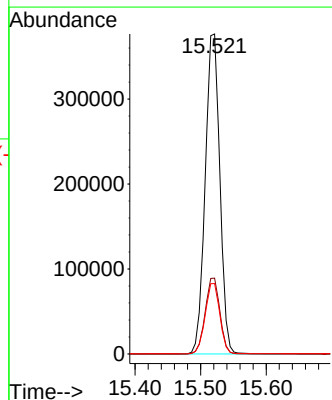
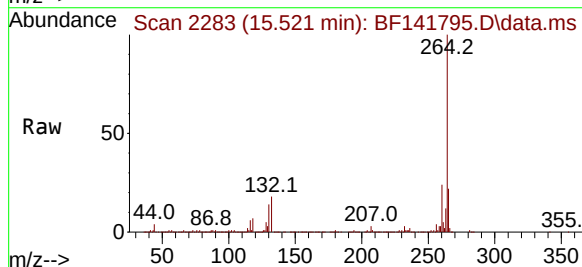
Manual Integrations  
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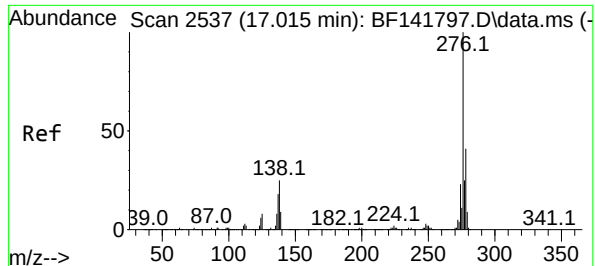
Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.521 min Scan# 2283  
Delta R.T. -0.000 min  
Lab File: BF141795.D  
Acq: 27 Feb 2025 16:16

Tgt Ion:264 Resp: 586419  
Ion Ratio Lower Upper  
264 100  
260 23.7 18.9 28.3  
265 22.0 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 8.838 ng

RT: 16.998 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF141795.D

Acq: 27 Feb 2025 16:16

Instrument :

BNA\_F

ClientSampleId :

SSTDICC010

Tgt Ion:276 Resp: 330014

Ion Ratio Lower Upper

276 100

138 28.6 22.5 33.7

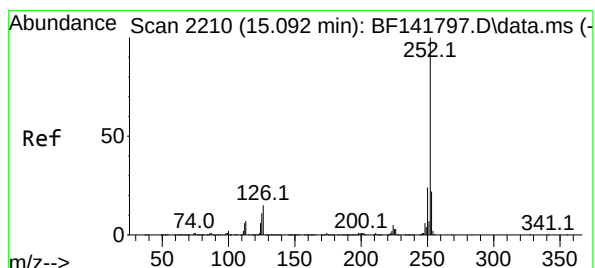
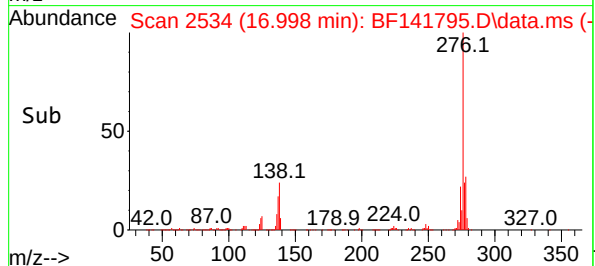
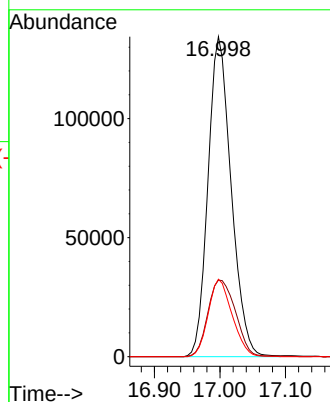
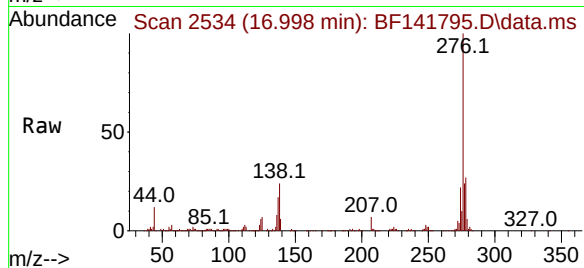
277 25.0 20.3 30.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/28/2025

Supervised By :mohammad ahmed 02/28/2025



#88

Benzo(b)fluoranthene

Concen: 10.250 ng

RT: 15.086 min Scan# 2209

Delta R.T. -0.006 min

Lab File: BF141795.D

Acq: 27 Feb 2025 16:16

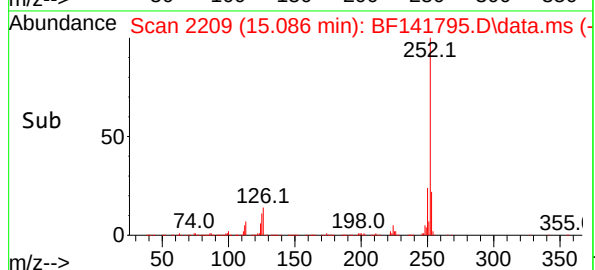
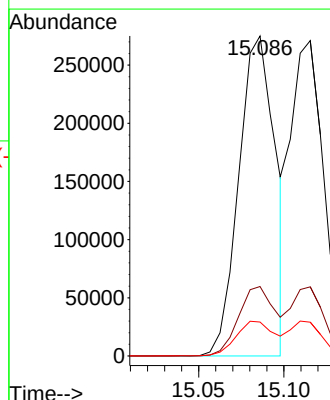
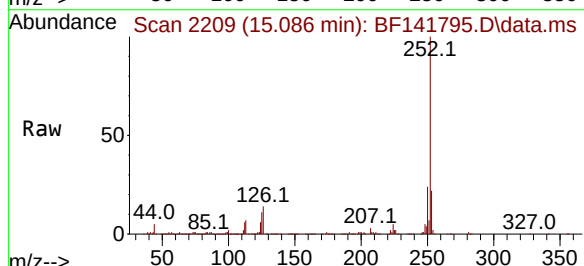
Tgt Ion:252 Resp: 409420

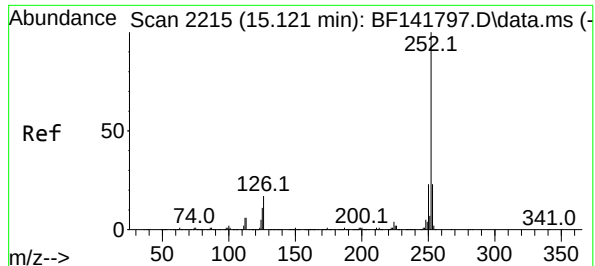
Ion Ratio Lower Upper

252 100

253 21.7 17.7 26.5

125 10.6 8.6 13.0





#89

Benzo(k)fluoranthene

Concen: 10.707 ng

RT: 15.115 min Scan# 2214

Delta R.T. -0.006 min

Lab File: BF141795.D

Acq: 27 Feb 2025 16:16

Instrument :

BNA\_F

ClientSampleId :

SSTDICC010

Tgt Ion:252 Resp: 363518

Ion Ratio Lower Upper

252 100

253 21.9 17.8 26.8

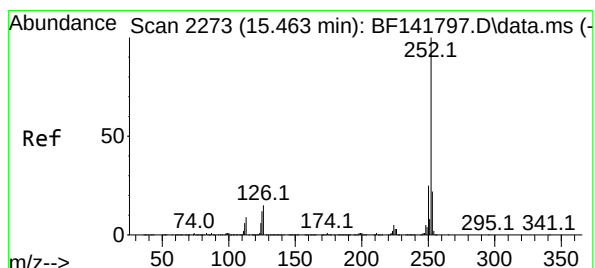
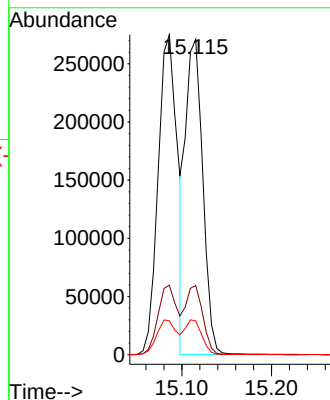
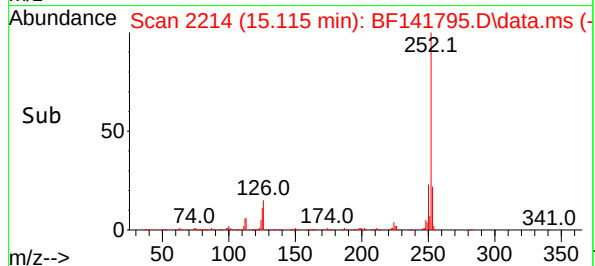
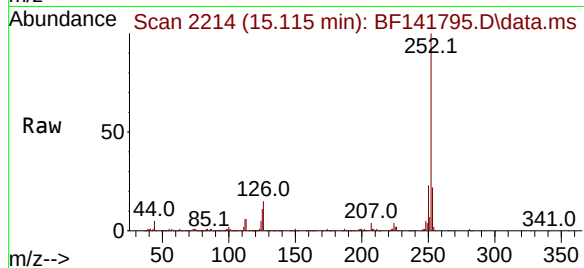
125 10.7 8.8 13.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/28/2025

Supervised By :mohammad ahmed 02/28/2025



#90

Benzo(a)pyrene

Concen: 9.913 ng

RT: 15.451 min Scan# 2271

Delta R.T. -0.012 min

Lab File: BF141795.D

Acq: 27 Feb 2025 16:16

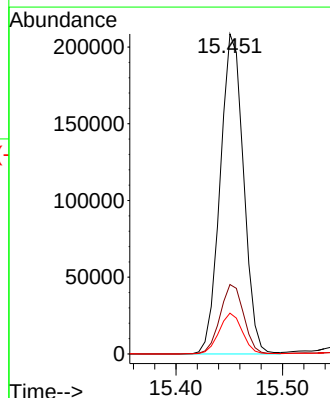
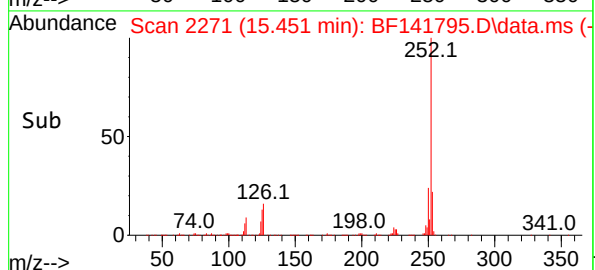
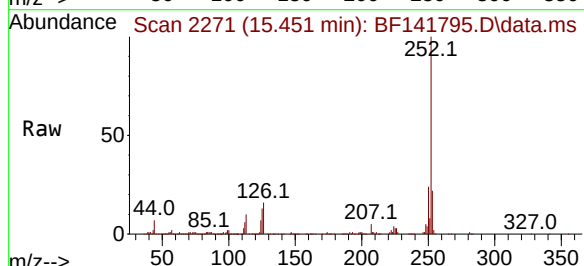
Tgt Ion:252 Resp: 317564

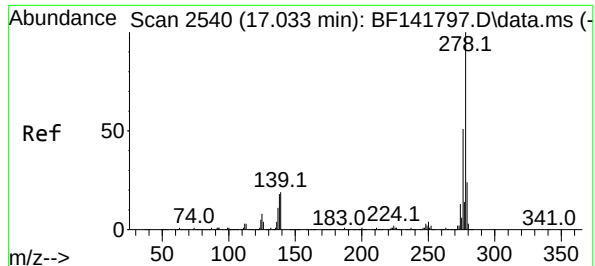
Ion Ratio Lower Upper

252 100

253 21.7 17.5 26.3

125 12.8 9.4 14.2





#91

Dibenzo(a,h)anthracene

Concen: 8.954 ng

RT: 17.021 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF141795.D

Acq: 27 Feb 2025 16:16

Instrument :

BNA\_F

ClientSampleId :

SSTDICC010

Tgt Ion:278 Resp: 272918

Ion Ratio Lower Upper

278 100

139 17.8 14.9 22.3

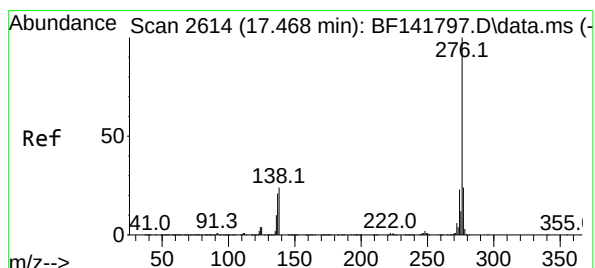
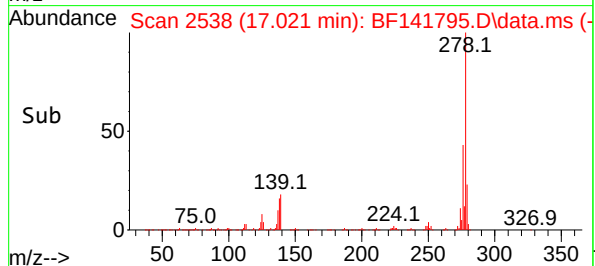
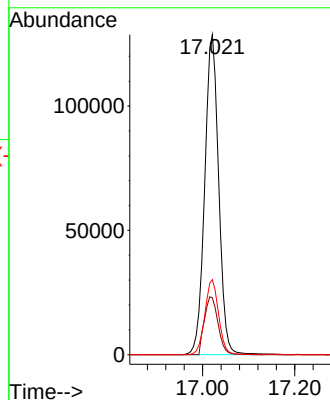
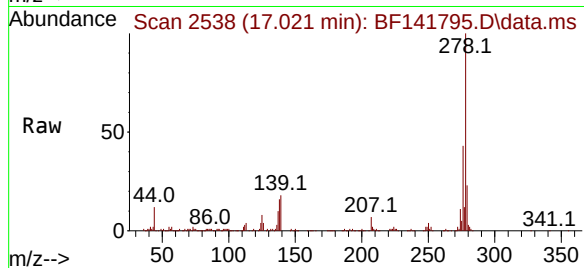
279 23.4 19.3 28.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/28/2025

Supervised By :mohammad ahmed 02/28/2025



#92

Benzo(g,h,i)perylene

Concen: 8.724 ng

RT: 17.445 min Scan# 2610

Delta R.T. -0.024 min

Lab File: BF141795.D

Acq: 27 Feb 2025 16:16

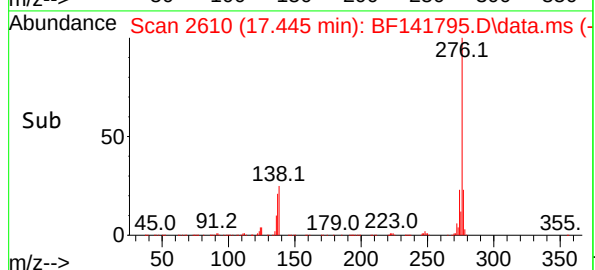
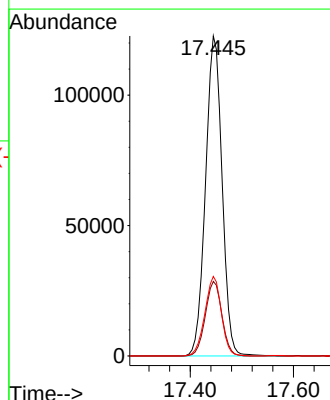
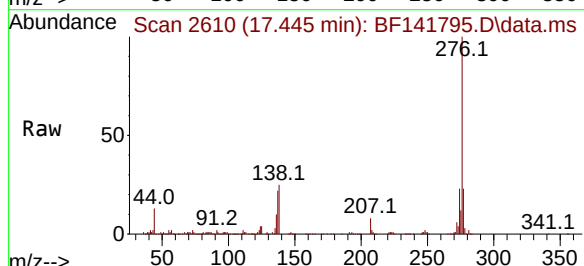
Tgt Ion:276 Resp: 272428

Ion Ratio Lower Upper

276 100

277 23.3 19.4 29.0

138 24.9 19.3 28.9





Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF022725\  
 Data File : BF141796.D  
 Acq On : 27 Feb 2025 16:46  
 Operator : RC/JU  
 Sample : SSTDICC020  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDICC020

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 02/28/2025  
 Supervised By :mohammad ahmed 02/28/2025

Quant Time: Feb 28 01:24:58 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF022725.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Feb 28 01:19:57 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.887  | 152  | 282585   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.169  | 136  | 1143337  | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.928  | 164  | 626338   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.410 | 188  | 1041715  | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 14.045 | 240  | 688606   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12              | 15.521 | 264  | 539147   | 20.000 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.498  | 112  | 749674   | 42.367 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.498  | 99   | 976719   | 42.408 | ng    | -0.01    |
| 23) Nitrobenzene-d5           | 7.445  | 82   | 726034   | 40.590 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.710 | 330  | 235147   | 39.990 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.245  | 172  | 1686318  | 43.170 | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.992 | 244  | 1785806  | 41.959 | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.681  | 88   | 162630   | 20.255 | ng    | 100      |
| 3) Pyridine                   | 3.446  | 79   | 419991   | 21.024 | ng    | 99       |
| 4) n-Nitrosodimethylamine     | 3.387  | 42   | 194836   | 20.270 | ng    | 99       |
| 6) Aniline                    | 6.551  | 93   | 510018   | 21.416 | ng    | 99       |
| 8) 2-Chlorophenol             | 6.669  | 128  | 406583   | 21.241 | ng    | 99       |
| 9) Benzaldehyde               | 6.440  | 77   | 289246   | 21.590 | ng    | 99       |
| 10) Phenol                    | 6.516  | 94   | 527399m  | 21.493 | ng    |          |
| 11) bis(2-Chloroethyl)ether   | 6.622  | 93   | 393290   | 20.964 | ng    | 99       |
| 12) 1,3-Dichlorobenzene       | 6.828  | 146  | 435544   | 21.247 | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 6.904  | 146  | 437770   | 21.195 | ng    | 100      |
| 14) 1,2-Dichlorobenzene       | 7.057  | 146  | 416995   | 21.620 | ng    | 99       |
| 15) Benzyl Alcohol            | 7.022  | 79   | 388176   | 21.089 | ng    | 99       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.163  | 45   | 607289   | 21.316 | ng    | 99       |
| 17) 2-Methylphenol            | 7.128  | 107  | 329265   | 20.839 | ng    | 99       |
| 18) Hexachloroethane          | 7.404  | 117  | 162363   | 21.002 | ng    | 98       |
| 19) n-Nitroso-di-n-propyla... | 7.293  | 70   | 316487   | 20.904 | ng    | 99       |
| 20) 3+4-Methylphenols         | 7.281  | 107  | 425612   | 21.633 | ng    | 98       |
| 22) Acetophenone              | 7.293  | 105  | 585913   | 21.041 | ng    | # 97     |
| 24) Nitrobenzene              | 7.463  | 77   | 395521   | 20.649 | ng    | 97       |
| 25) Isophorone                | 7.704  | 82   | 789349   | 20.541 | ng    | 99       |
| 26) 2-Nitrophenol             | 7.781  | 139  | 132844   | 18.604 | ng    | 98       |
| 27) 2,4-Dimethylphenol        | 7.810  | 122  | 292966   | 20.740 | ng    | 99       |
| 28) bis(2-Chloroethoxy)met... | 7.916  | 93   | 513944   | 20.966 | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 8.016  | 162  | 338122   | 20.749 | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 8.110  | 180  | 374188   | 20.955 | ng    | 99       |
| 31) Naphthalene               | 8.192  | 128  | 1258082  | 21.409 | ng    | 99       |
| 32) Benzoic acid              | 7.898  | 122  | 165613   | 19.487 | ng    | 98       |
| 33) 4-Chloroaniline           | 8.234  | 127  | 454568   | 21.097 | ng    | 100      |
| 34) Hexachlorobutadiene       | 8.310  | 225  | 230541   | 20.776 | ng    | 98       |
| 35) Caprolactam               | 8.587  | 113  | 102898   | 20.521 | ng    | 99       |
| 36) 4-Chloro-3-methylphenol   | 8.704  | 107  | 376094   | 20.776 | ng    | 99       |
| 37) 2-Methylnaphthalene       | 8.881  | 142  | 826497   | 21.443 | ng    | 99       |
| 38) 1-Methylnaphthalene       | 8.981  | 142  | 796808   | 21.545 | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 9.045  | 216  | 377360   | 20.861 | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 9.034  | 237  | 158105   | 20.943 | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 9.151  | 196  | 238591   | 20.419 | ng    | 100      |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF022725\  
 Data File : BF141796.D  
 Acq On : 27 Feb 2025 16:46  
 Operator : RC/JU  
 Sample : SSTDICC020  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

## Instrument :

BNA\_F

## ClientSampleId :

SSTDICC020

## Manual Integrations

## APPROVED

Reviewed By :Yogesh Patel 02/28/2025

Supervised By :mohammad ahmed 02/28/2025

Quant Time: Feb 28 01:24:58 2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF022725.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Feb 28 01:19:57 2025

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.187  | 196  | 242709   | 20.976 | ng    | 99       |
| 46) 1,1'-Biphenyl             | 9.345  | 154  | 1021081  | 21.418 | ng    | 99       |
| 47) 2-Chloronaphthalene       | 9.369  | 162  | 752142   | 21.375 | ng    | 99       |
| 48) 2-Nitroaniline            | 9.457  | 65   | 153869   | 18.870 | ng    | 97       |
| 49) Acenaphthylene            | 9.786  | 152  | 1126303  | 21.349 | ng    | 99       |
| 50) Dimethylphthalate         | 9.645  | 163  | 879870   | 20.977 | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 9.704  | 165  | 144673   | 19.796 | ng    | 98       |
| 52) Acenaphthene              | 9.957  | 154  | 749963   | 21.068 | ng    | 99       |
| 53) 3-Nitroaniline            | 9.869  | 138  | 152114   | 19.664 | ng    | # 99     |
| 54) 2,4-Dinitrophenol         | 9.969  | 184  | 41521    | 19.116 | ng    | # 1      |
| 55) Dibenzofuran              | 10.128 | 168  | 1105278  | 21.332 | ng    | 99       |
| 56) 4-Nitrophenol             | 10.010 | 139  | 123415   | 19.922 | ng    | 98       |
| 57) 2,4-Dinitrotoluene        | 10.104 | 165  | 165949   | 19.214 | ng    | 98       |
| 58) Fluorene                  | 10.469 | 166  | 822264   | 21.187 | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.239 | 232  | 210339   | 20.902 | ng    | 99       |
| 60) Diethylphthalate          | 10.345 | 149  | 894118   | 21.264 | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 10.463 | 204  | 409697   | 21.069 | ng    | 99       |
| 62) 4-Nitroaniline            | 10.481 | 138  | 143482   | 20.031 | ng    | 98       |
| 63) Azobenzene                | 10.622 | 77   | 942499   | 21.288 | ng    | 99       |
| 65) 4,6-Dinitro-2-methylph... | 10.510 | 198  | 65163    | 19.161 | ng    | 97       |
| 66) n-Nitrosodiphenylamine    | 10.581 | 169  | 717531   | 20.977 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 10.957 | 248  | 248503   | 20.423 | ng    | 98       |
| 68) Hexachlorobenzene         | 11.016 | 284  | 265367   | 20.653 | ng    | 97       |
| 69) Atrazine                  | 11.104 | 200  | 203939   | 21.680 | ng    | 99       |
| 70) Pentachlorophenol         | 11.210 | 266  | 167231   | 20.521 | ng    | 99       |
| 71) Phenanthrene              | 11.433 | 178  | 1181769  | 21.209 | ng    | 99       |
| 72) Anthracene                | 11.486 | 178  | 1203701  | 21.554 | ng    | 99       |
| 73) Carbazole                 | 11.639 | 167  | 1056147  | 21.416 | ng    | 99       |
| 74) Di-n-butylphthalate       | 11.975 | 149  | 1345098  | 21.518 | ng    | 99       |
| 75) Fluoranthene              | 12.622 | 202  | 1242031  | 21.753 | ng    | 99       |
| 77) Benzidine                 | 12.739 | 184  | 136521   | 15.752 | ng    | 99       |
| 78) Pyrene                    | 12.851 | 202  | 1249647  | 20.957 | ng    | 99       |
| 80) Butylbenzylphthalate      | 13.469 | 149  | 442702   | 20.434 | ng    | 98       |
| 81) Benzo(a)anthracene        | 14.039 | 228  | 953146   | 20.956 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 13.998 | 252  | 262708   | 20.132 | ng    | 100      |
| 83) Chrysene                  | 14.074 | 228  | 850641   | 20.288 | ng    | 100      |
| 84) Bis(2-ethylhexyl)phtha... | 14.033 | 149  | 542812   | 20.122 | ng    | 100      |
| 85) Di-n-octyl phthalate      | 14.645 | 149  | 763685   | 18.910 | ng    | 100      |
| 87) Indeno(1,2,3-cd)pyrene    | 17.004 | 276  | 668777   | 19.480 | ng    | 99       |
| 88) Benzo(b)fluoranthene      | 15.086 | 252  | 826369   | 22.501 | ng    | 100      |
| 89) Benzo(k)fluoranthene      | 15.116 | 252  | 592250   | 18.973 | ng    | 99       |
| 90) Benzo(a)pyrene            | 15.457 | 252  | 610871   | 20.740 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 17.027 | 278  | 552725   | 19.724 | ng    | 98       |
| 92) Benzo(g,h,i)perylene      | 17.451 | 276  | 557705   | 19.426 | ng    | 100      |

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

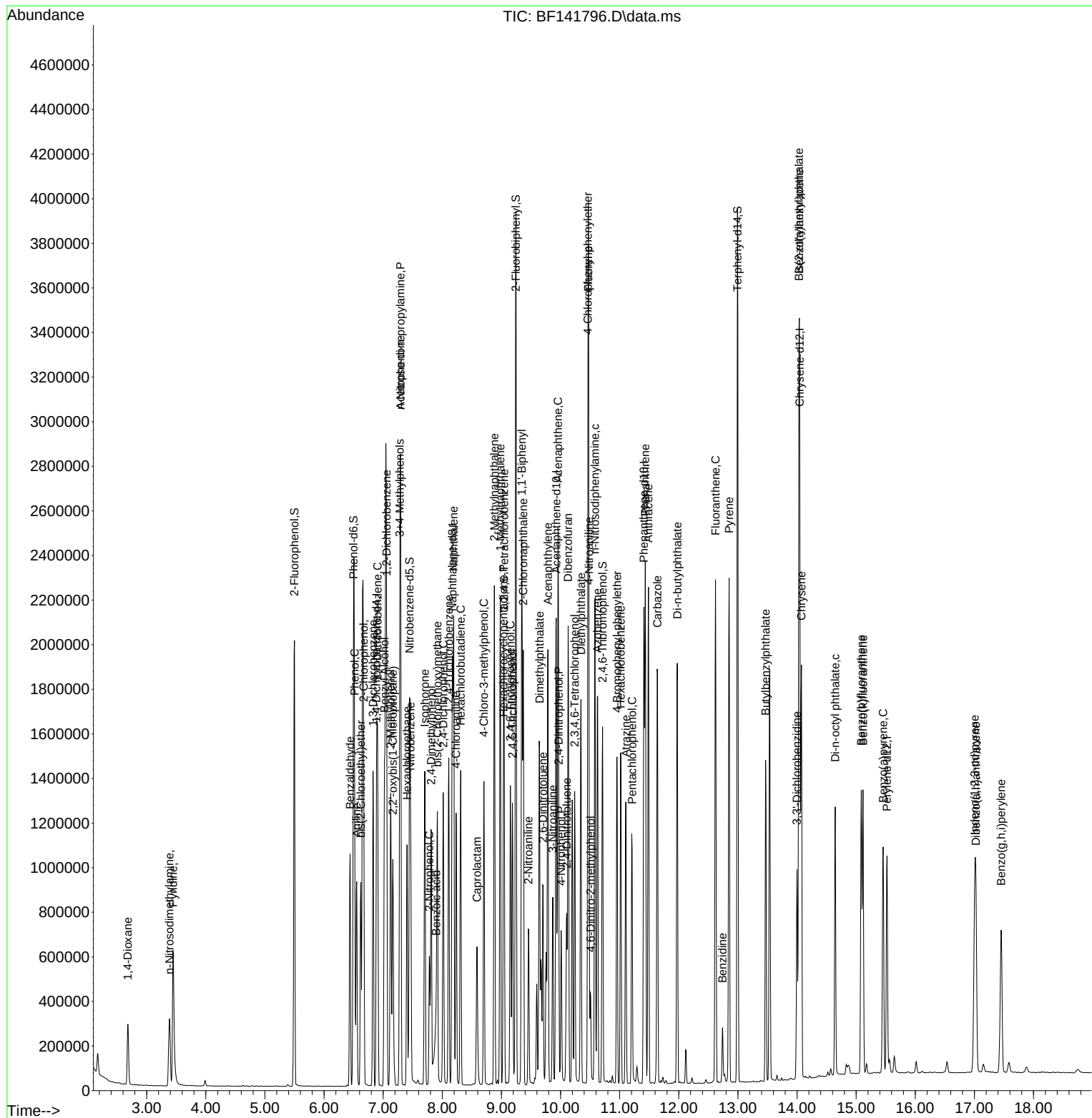
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Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022725\  
Data File : BF141796.D  
Acq On    : 27 Feb 2025  16:46  
Operator  : RC/JU  
Sample    : SSTDICC020  
Misc      :  
ALS Vial  : 5    Sample Multiplier: 1
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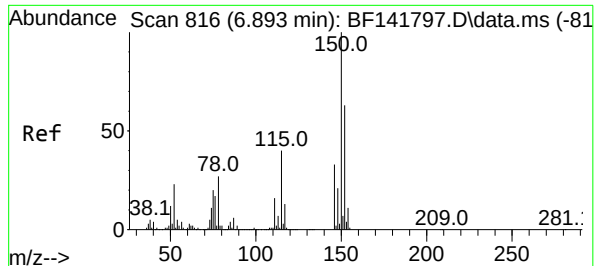
**Instrument :**  
BNA\_F  
**ClientSampleId :**  
SSTDICC020

## Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025

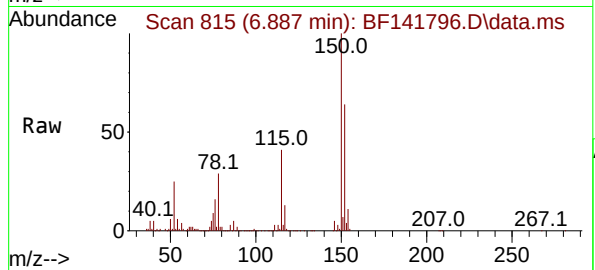
Quant Time: Feb 28 01:24:58 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF022725.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Feb 28 01:19:57 2025  
Response via : Initial Calibration





#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.887 min Scan# 816  
Delta R.T. -0.006 min  
Lab File: BF141796.D  
Acq: 27 Feb 2025 16:46

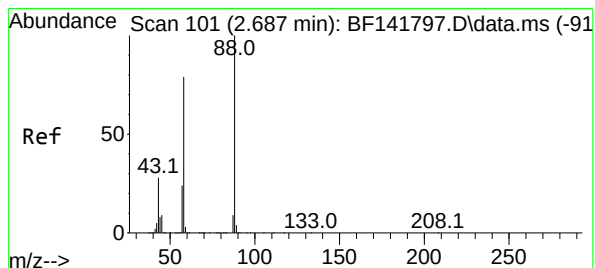
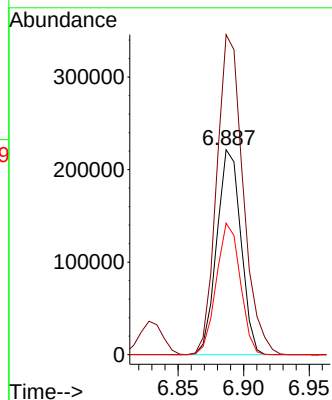
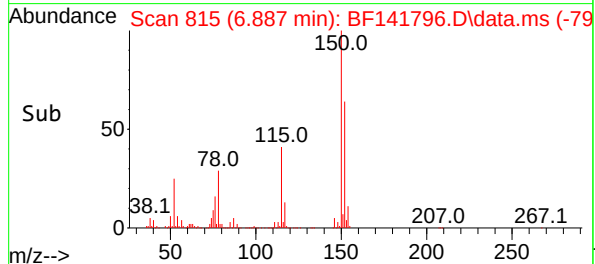
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC020



Tgt Ion:152 Resp: 28258  
Ion Ratio Lower Upper  
152 100  
150 156.1 127.5 191.3  
115 64.2 51.4 77.2

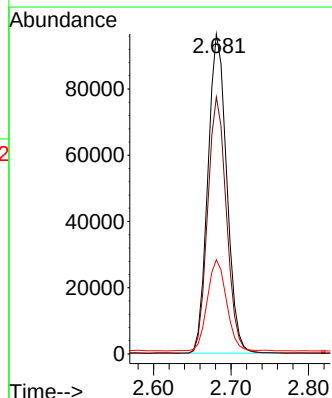
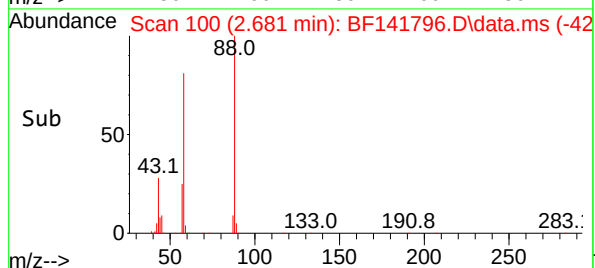
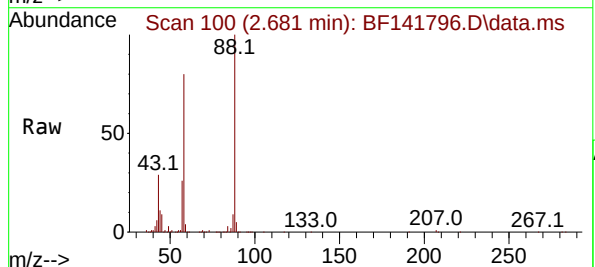
Manual Integrations  
APPROVED

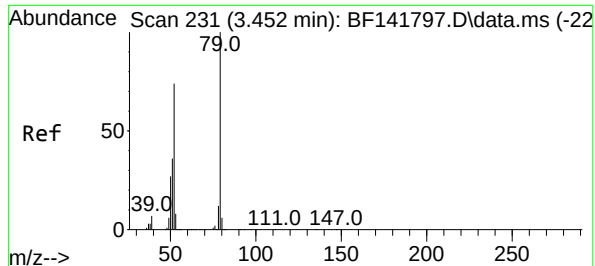
Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025



#2  
1,4-Dioxane  
Concen: 20.255 ng  
RT: 2.681 min Scan# 100  
Delta R.T. -0.006 min  
Lab File: BF141796.D  
Acq: 27 Feb 2025 16:46

Tgt Ion: 88 Resp: 162630  
Ion Ratio Lower Upper  
88 100  
58 80.0 63.9 95.9  
43 29.0 23.0 34.6





#3

Pyridine

Concen: 21.024 ng

RT: 3.446 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF141796.D

Acq: 27 Feb 2025 16:46

Instrument :

BNA\_F

ClientSampleId :

SSTDICC020

Tgt Ion: 79 Resp: 41999

Ion Ratio Lower Upper

79 100

52 72.7 59.0 88.4

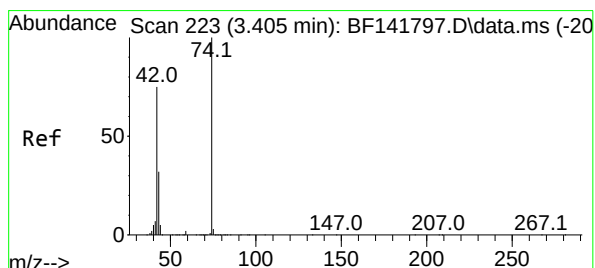
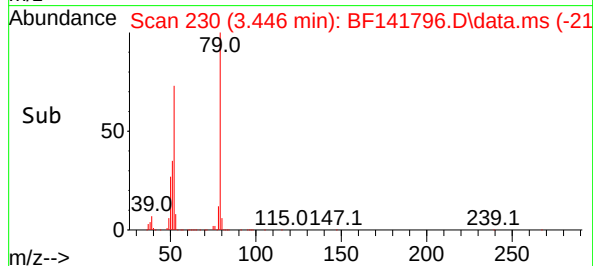
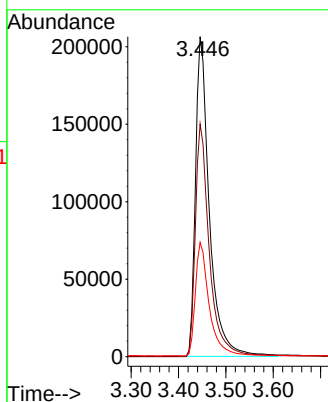
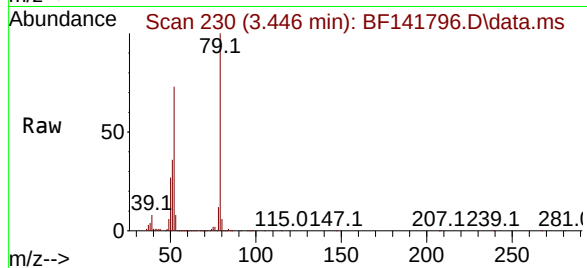
51 35.7 29.0 43.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/28/2025

Supervised By :mohammad ahmed 02/28/2025



#4

n-Nitrosodimethylamine

Concen: 20.270 ng

RT: 3.387 min Scan# 220

Delta R.T. -0.018 min

Lab File: BF141796.D

Acq: 27 Feb 2025 16:46

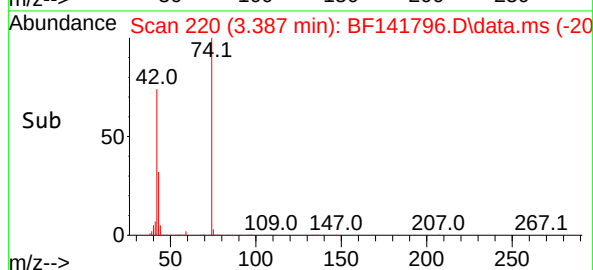
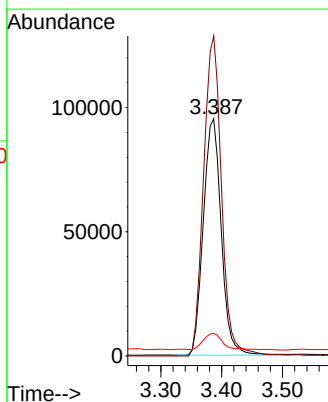
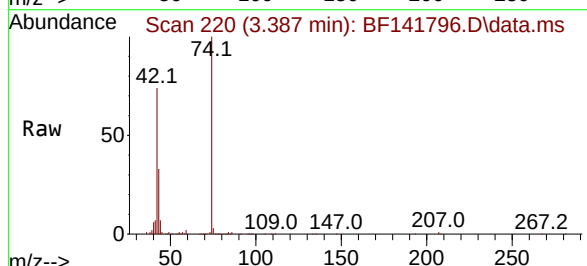
Tgt Ion: 42 Resp: 194836

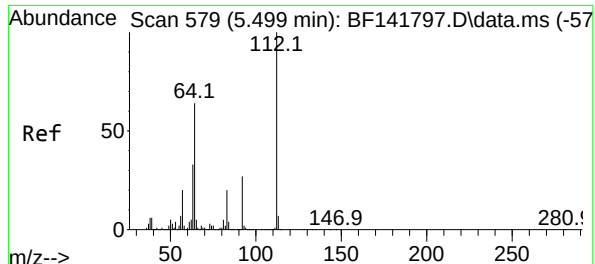
Ion Ratio Lower Upper

42 100

74 135.0 107.1 160.7

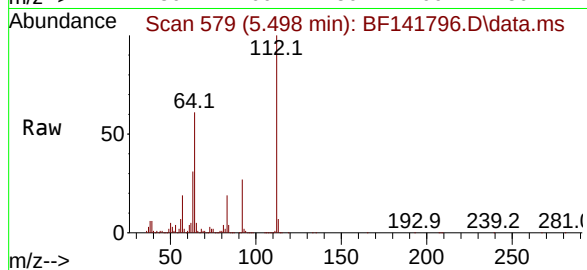
44 9.5 6.6 9.8





#5  
2-Fluorophenol  
Concen: 42.367 ng  
RT: 5.498 min Scan# 51  
Delta R.T. -0.000 min  
Lab File: BF141796.D  
Acq: 27 Feb 2025 16:46

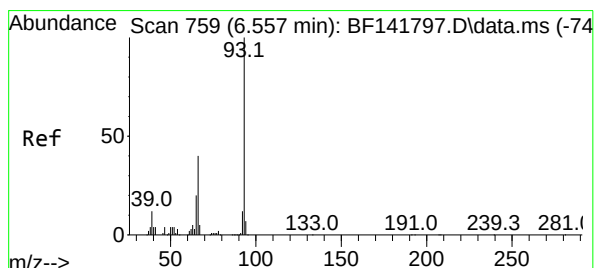
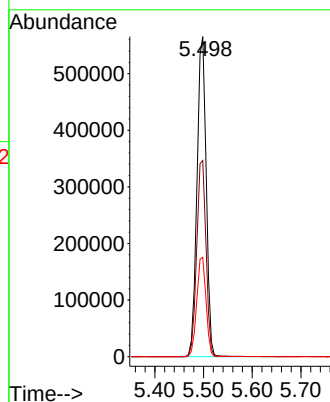
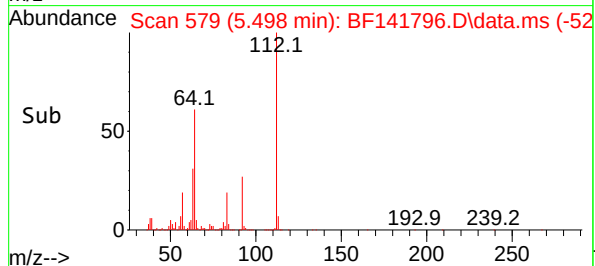
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC020



Tgt Ion:112 Resp: 749674  
Ion Ratio Lower Upper  
112 100  
64 61.3 51.3 76.9  
63 31.1 26.2 39.4

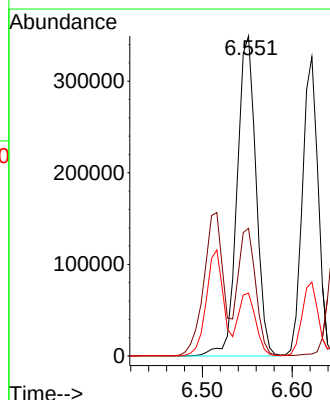
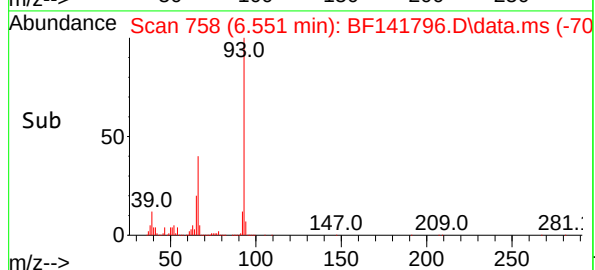
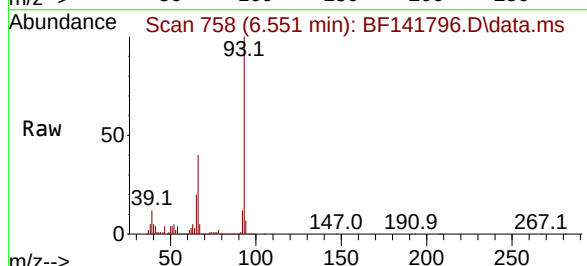
Manual Integrations  
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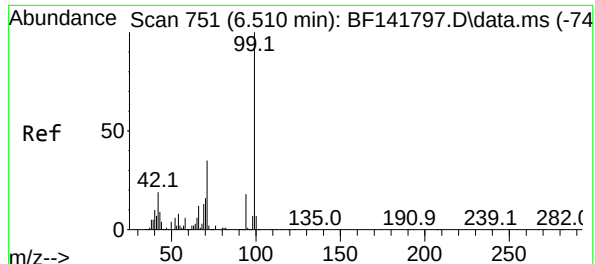
Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025



#6  
Aniline  
Concen: 21.416 ng  
RT: 6.551 min Scan# 758  
Delta R.T. -0.006 min  
Lab File: BF141796.D  
Acq: 27 Feb 2025 16:46

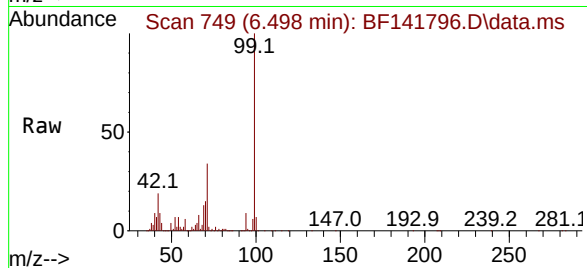
Tgt Ion: 93 Resp: 510018  
Ion Ratio Lower Upper  
93 100  
66 39.9 32.3 48.5  
65 19.7 15.9 23.9





#7  
Phenol-d6  
Concen: 42.408 ng  
RT: 6.498 min Scan# 749  
Delta R.T. -0.012 min  
Lab File: BF141796.D  
Acq: 27 Feb 2025 16:46

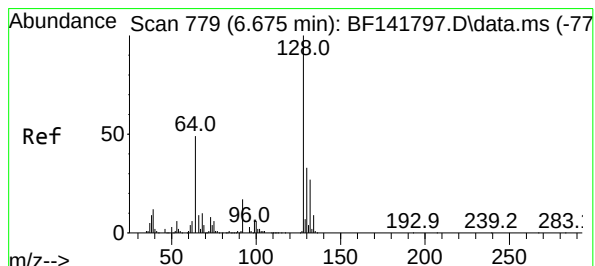
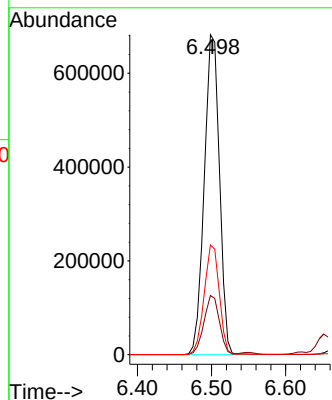
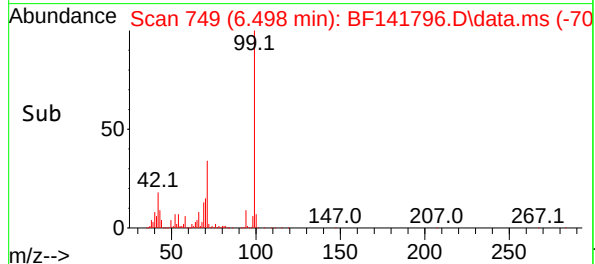
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC020



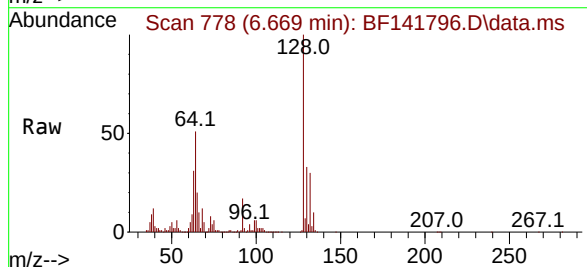
Tgt Ion: 99 Resp: 976719  
Ion Ratio Lower Upper  
99 100  
42 18.5 15.2 22.8  
71 34.3 28.2 42.2

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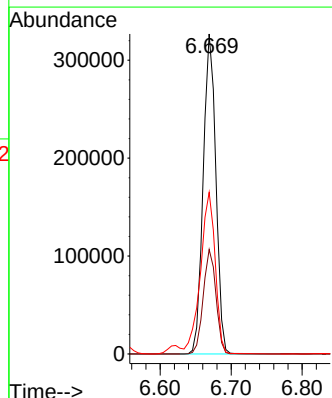
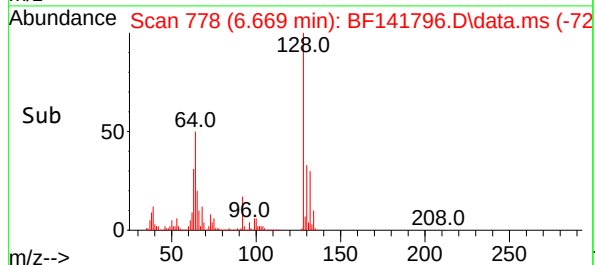
Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025

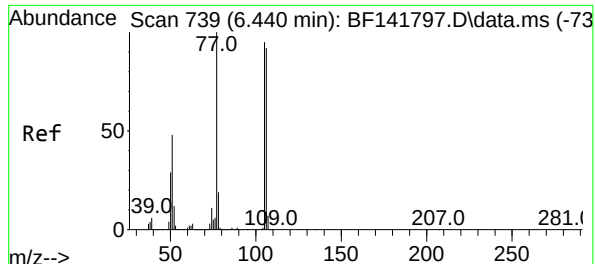


#8  
2-Chlorophenol  
Concen: 21.241 ng  
RT: 6.669 min Scan# 778  
Delta R.T. -0.006 min  
Lab File: BF141796.D  
Acq: 27 Feb 2025 16:46



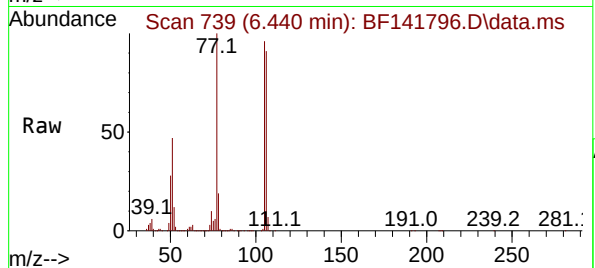
Tgt Ion:128 Resp: 406583  
Ion Ratio Lower Upper  
128 100  
130 32.6 12.6 52.6  
64 50.5 31.1 71.1





#9  
Benzaldehyde  
Concen: 21.590 ng  
RT: 6.440 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: BF141796.D  
Acq: 27 Feb 2025 16:46

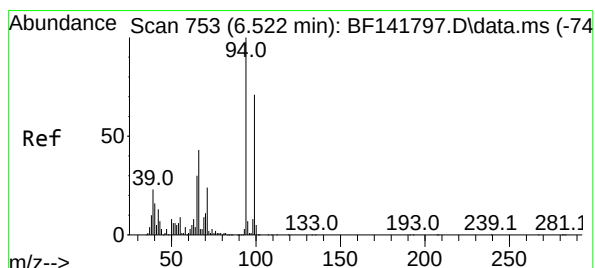
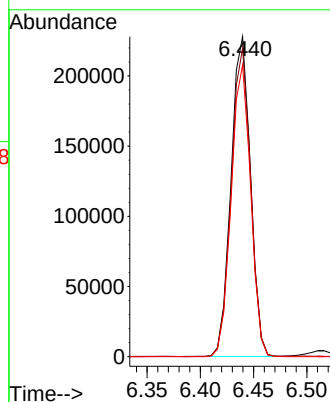
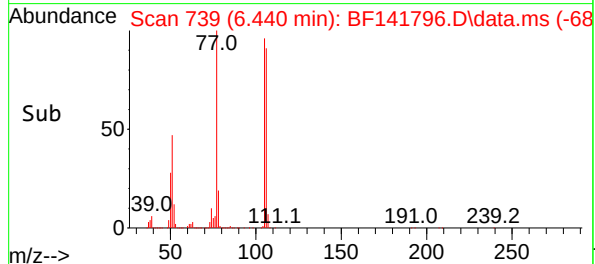
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC020



Tgt Ion: 77 Resp: 289240  
Ion Ratio Lower Upper  
77 100  
105 96.4 75.3 115.3  
106 91.1 72.3 112.3

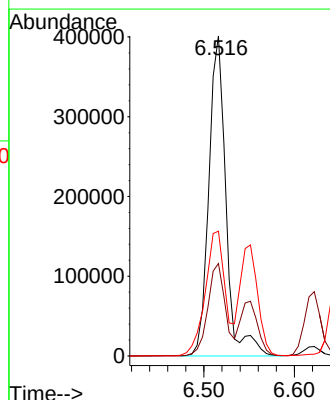
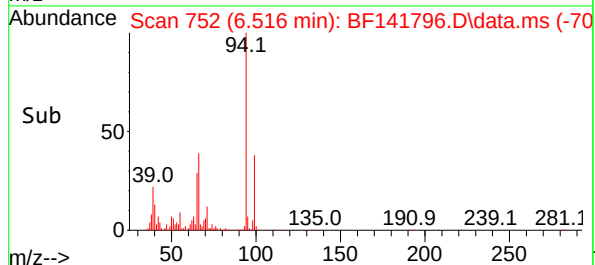
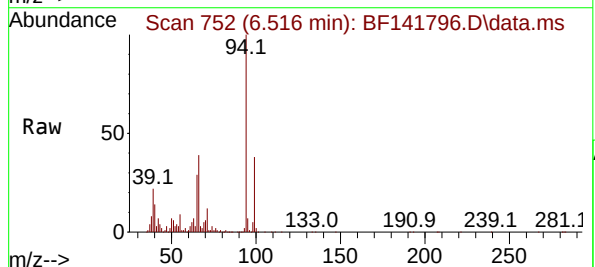
Manual Integrations  
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Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025

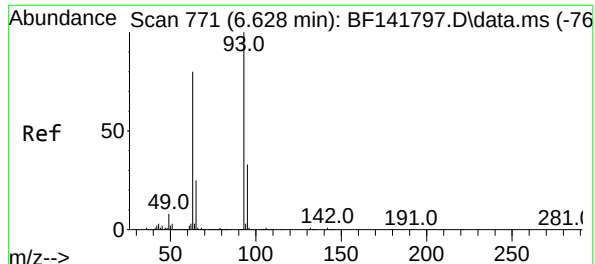


#10  
Phenol  
Concen: 21.493 ng m  
RT: 6.516 min Scan# 752  
Delta R.T. -0.006 min  
Lab File: BF141796.D  
Acq: 27 Feb 2025 16:46

Tgt Ion: 94 Resp: 527399  
Ion Ratio Lower Upper  
94 100  
65 28.9 10.2 50.2  
66 39.0 23.2 63.2

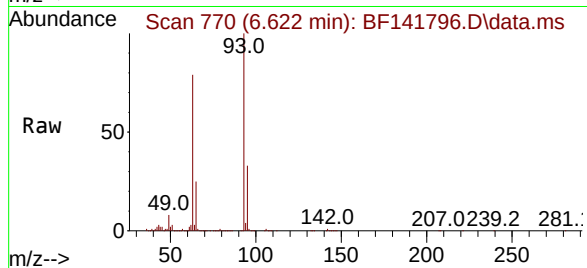






#11  
bis(2-Chloroethyl)ether  
Concen: 20.964 ng  
RT: 6.622 min Scan# 771  
Delta R.T. -0.006 min  
Lab File: BF141796.D  
Acq: 27 Feb 2025 16:46

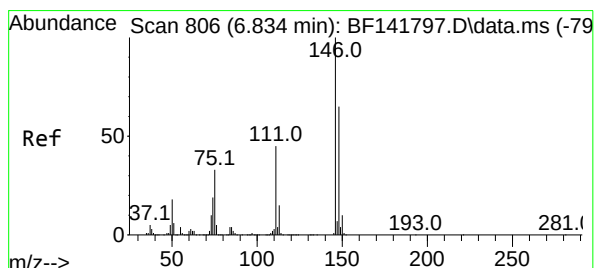
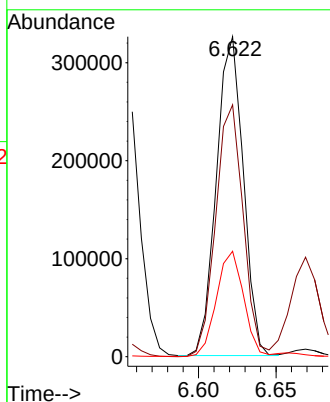
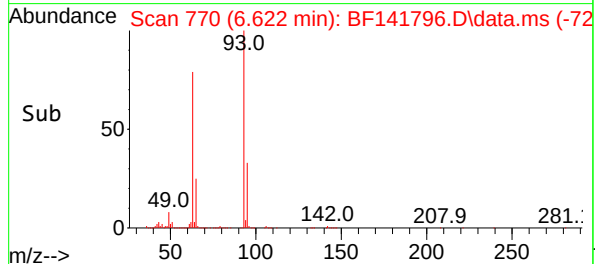
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC020



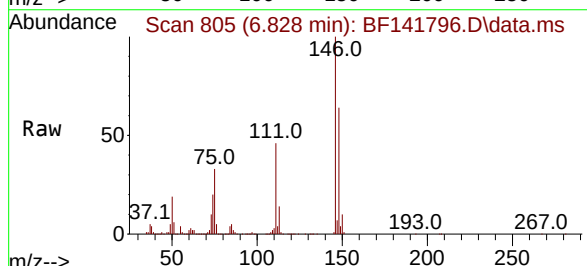
Tgt Ion: 93 Resp: 393290  
Ion Ratio Lower Upper  
93 100  
63 78.7 59.3 99.3  
95 32.9 13.2 53.2

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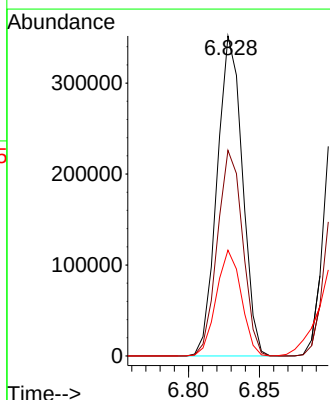
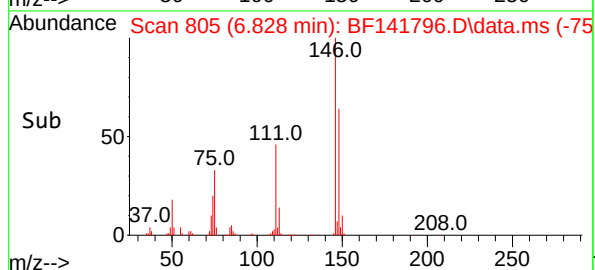
Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025

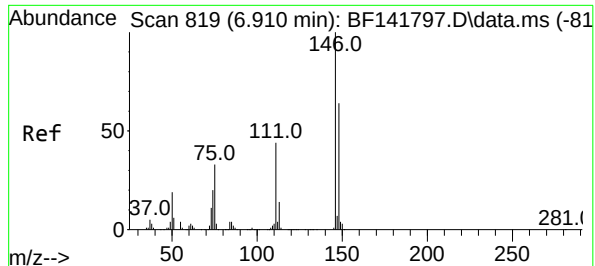


#12  
1,3-Dichlorobenzene  
Concen: 21.247 ng  
RT: 6.828 min Scan# 805  
Delta R.T. -0.006 min  
Lab File: BF141796.D  
Acq: 27 Feb 2025 16:46



Tgt Ion:146 Resp: 435544  
Ion Ratio Lower Upper  
146 100  
148 64.3 51.8 77.6  
75 33.0 26.2 39.4





#13

1,4-Dichlorobenzene

Concen: 21.195 ng

RT: 6.904 min Scan# 819

Delta R.T. -0.006 min

Lab File: BF141796.D

Acq: 27 Feb 2025 16:46

Instrument :

BNA\_F

ClientSampleId :

SSTDICC020

Tgt Ion:146 Resp: 437770

Ion Ratio Lower Upper

146 100

148 64.5 51.4 77.2

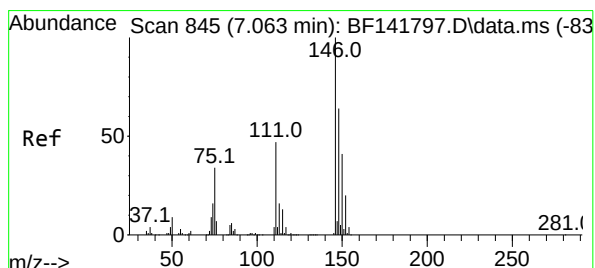
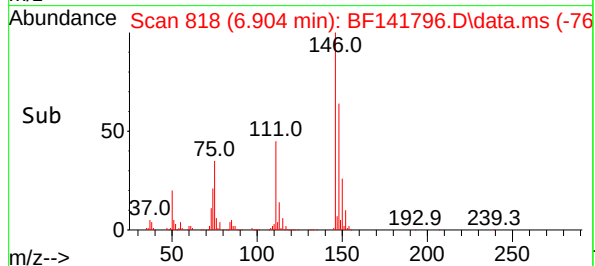
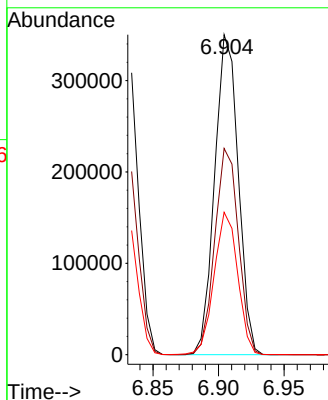
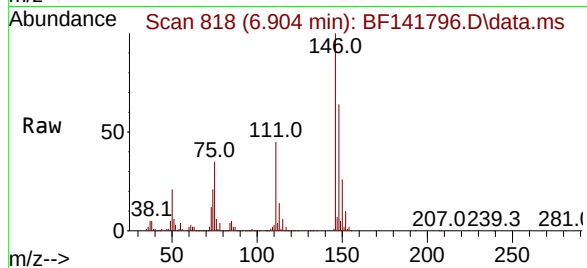
111 44.5 35.5 53.3

Manual Integrations

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Reviewed By :Yogesh Patel 02/28/2025

Supervised By :mohammad ahmed 02/28/2025



#14

1,2-Dichlorobenzene

Concen: 21.620 ng

RT: 7.057 min Scan# 844

Delta R.T. -0.006 min

Lab File: BF141796.D

Acq: 27 Feb 2025 16:46

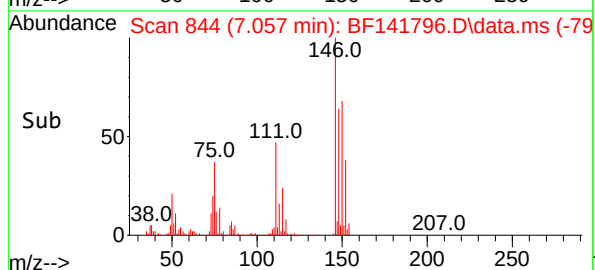
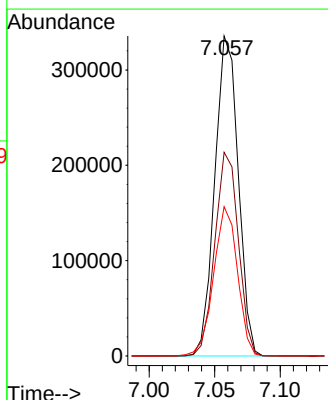
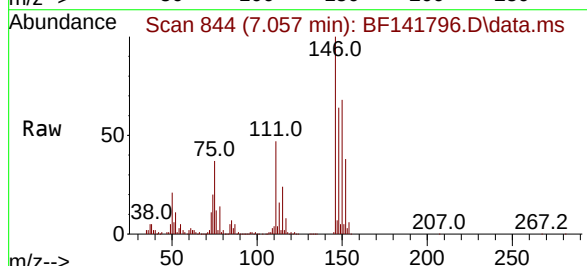
Tgt Ion:146 Resp: 416995

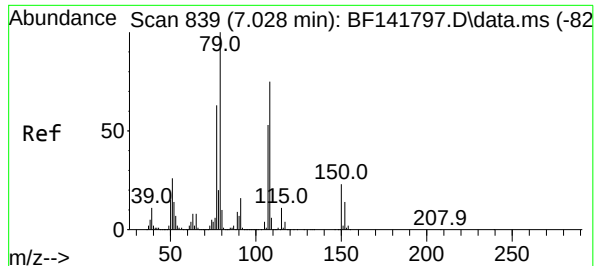
Ion Ratio Lower Upper

146 100

148 63.7 51.2 76.8

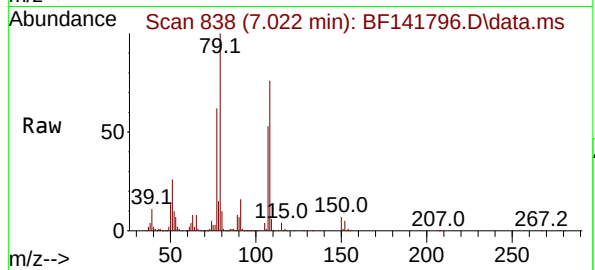
111 46.6 37.8 56.6





#15  
Benzyl Alcohol  
Concen: 21.089 ng  
RT: 7.022 min Scan# 838  
Delta R.T. -0.006 min  
Lab File: BF141796.D  
Acq: 27 Feb 2025 16:46

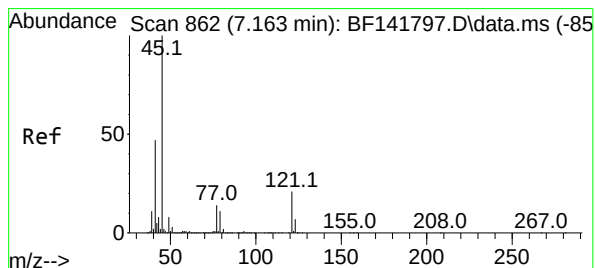
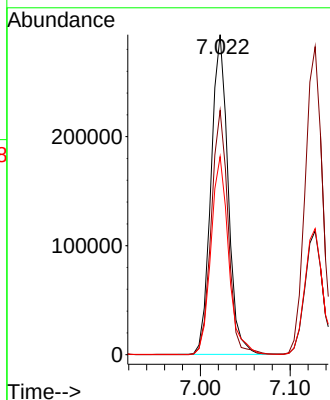
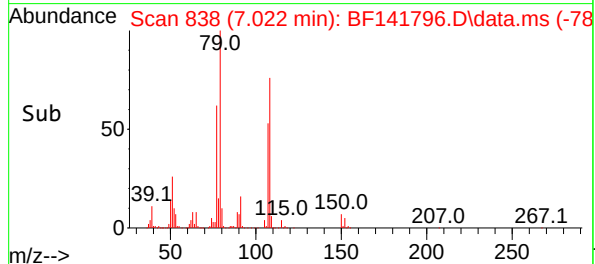
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC020



Tgt Ion: 79 Resp: 388170  
Ion Ratio Lower Upper  
79 100  
108 76.3 60.2 90.2  
77 61.9 50.2 75.2

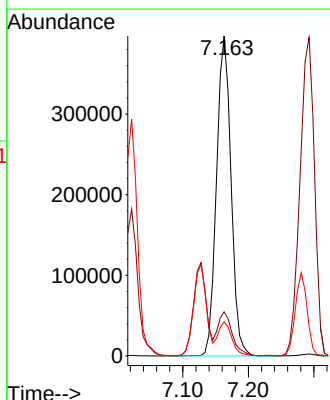
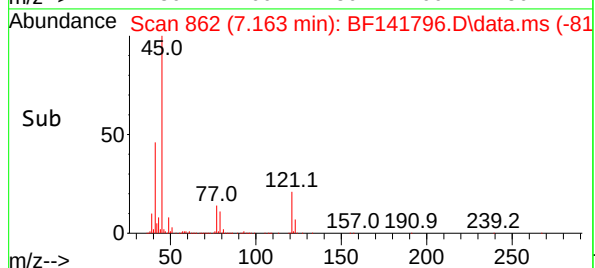
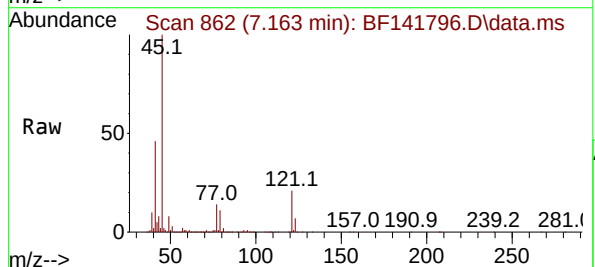
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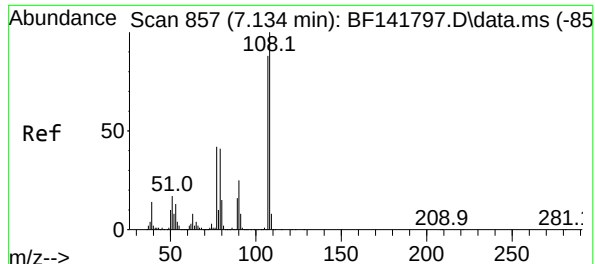
Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 21.316 ng  
RT: 7.163 min Scan# 862  
Delta R.T. -0.000 min  
Lab File: BF141796.D  
Acq: 27 Feb 2025 16:46

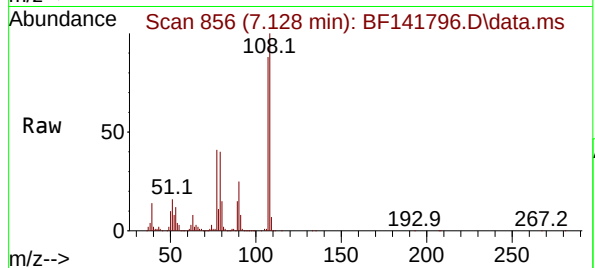
Tgt Ion: 45 Resp: 607289  
Ion Ratio Lower Upper  
45 100  
77 13.8 0.0 34.4  
79 10.7 0.0 30.9





#17  
2-Methylphenol  
Concen: 20.839 ng  
RT: 7.128 min Scan# 857  
Delta R.T. -0.006 min  
Lab File: BF141796.D  
Acq: 27 Feb 2025 16:46

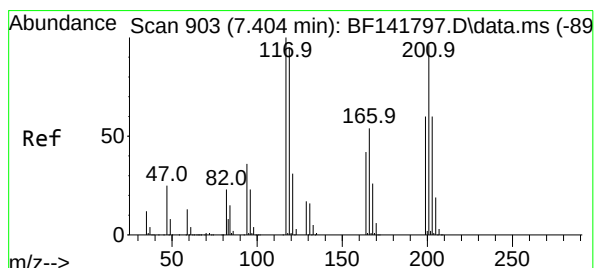
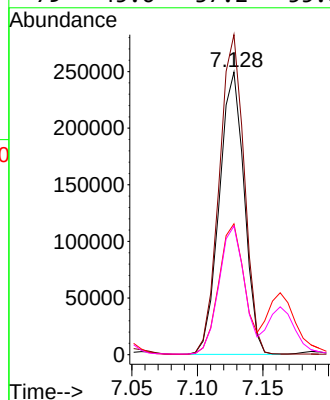
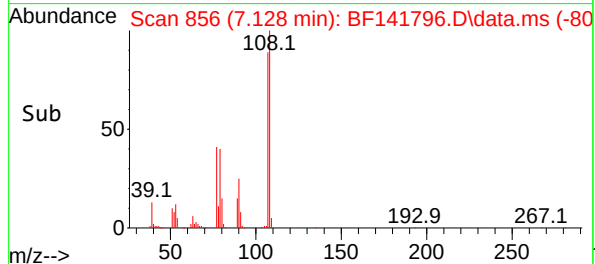
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC020



Tgt Ion:107 Resp: 32926  
Ion Ratio Lower Upper  
107 100  
108 113.3 90.6 135.8  
77 46.4 37.7 56.5  
79 45.6 37.2 55.8

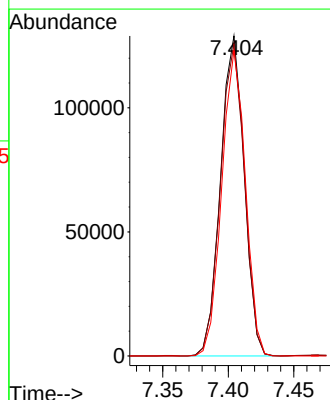
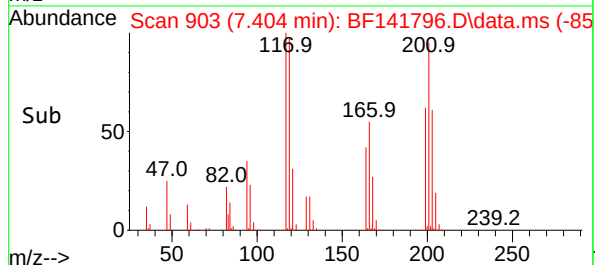
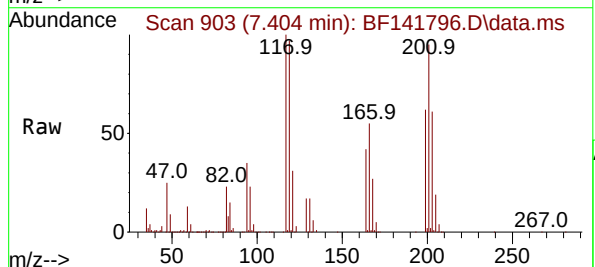
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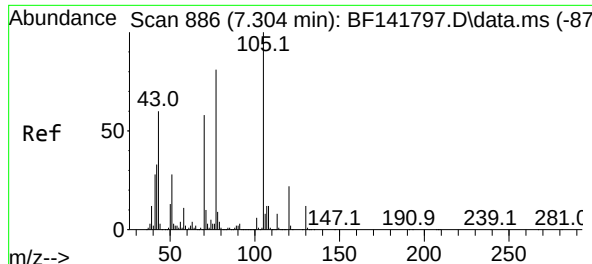
Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025



#18  
Hexachloroethane  
Concen: 21.002 ng  
RT: 7.404 min Scan# 903  
Delta R.T. -0.000 min  
Lab File: BF141796.D  
Acq: 27 Feb 2025 16:46

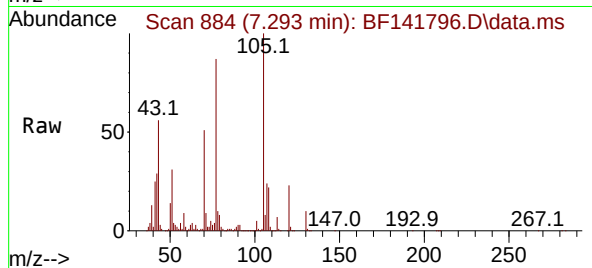
Tgt Ion:117 Resp: 162363  
Ion Ratio Lower Upper  
117 100  
119 97.5 75.8 113.8  
201 95.4 76.7 115.1





#19  
n-Nitroso-di-n-propylamine  
Concen: 20.904 ng  
RT: 7.293 min Scan# 884  
Delta R.T. -0.012 min  
Lab File: BF141796.D  
Acq: 27 Feb 2025 16:46

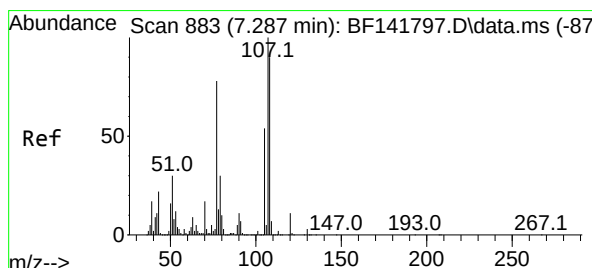
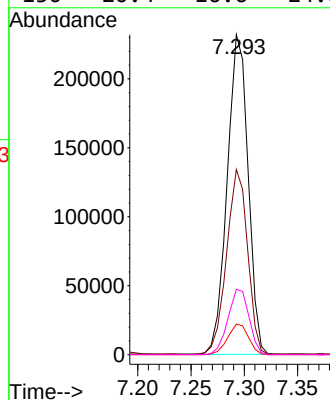
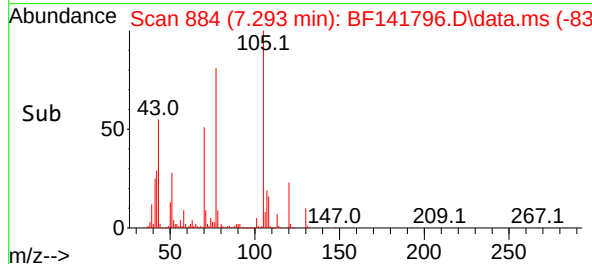
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC020



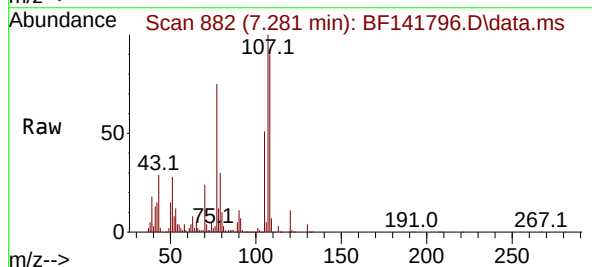
Tgt Ion: 70 Resp: 31648  
Ion Ratio Lower Upper  
70 100  
42 57.9 45.4 68.0  
101 9.6 7.8 11.8  
130 20.4 16.6 24.8

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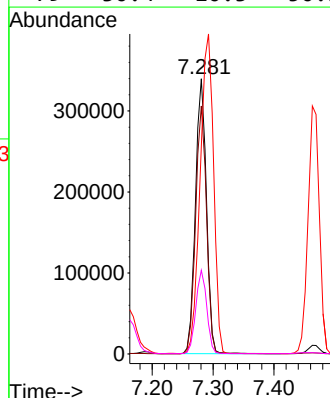
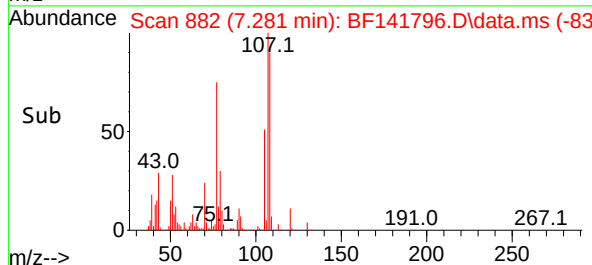
Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025

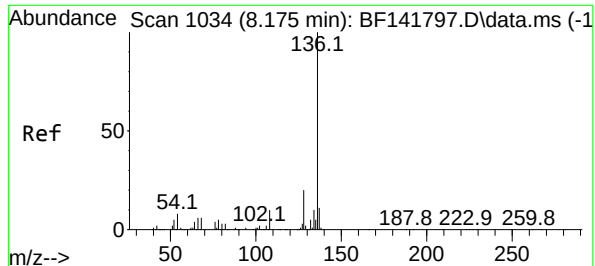


#20  
3+4-Methylphenols  
Concen: 21.633 ng  
RT: 7.281 min Scan# 882  
Delta R.T. -0.006 min  
Lab File: BF141796.D  
Acq: 27 Feb 2025 16:46



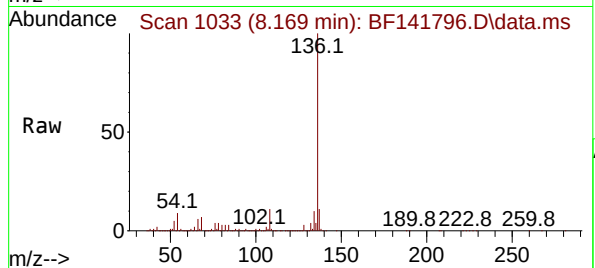
Tgt Ion:107 Resp: 425612  
Ion Ratio Lower Upper  
107 100  
108 90.1 69.7 109.7  
77 75.5 58.3 98.3  
79 30.4 10.3 50.3





#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.169 min Scan# 1033  
Delta R.T. -0.006 min  
Lab File: BF141796.D  
Acq: 27 Feb 2025 16:46

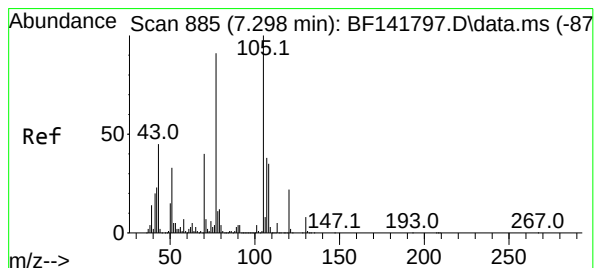
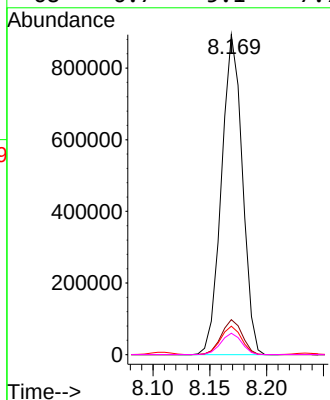
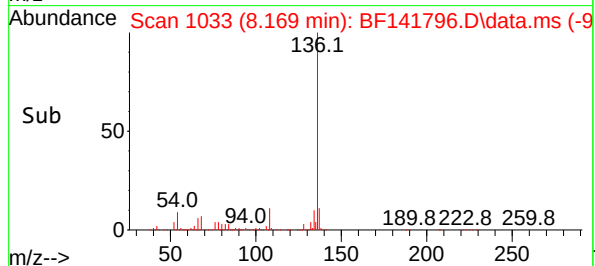
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC020



Tgt Ion:136 Resp: 114333  
Ion Ratio Lower Upper  
136 100  
137 11.0 8.9 13.3  
54 8.9 6.9 10.3  
68 6.7 5.1 7.7

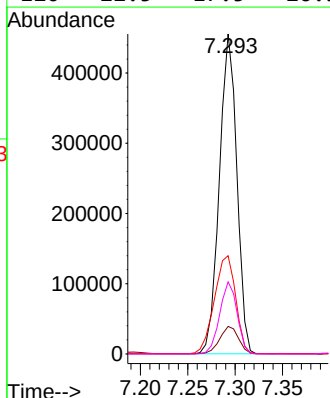
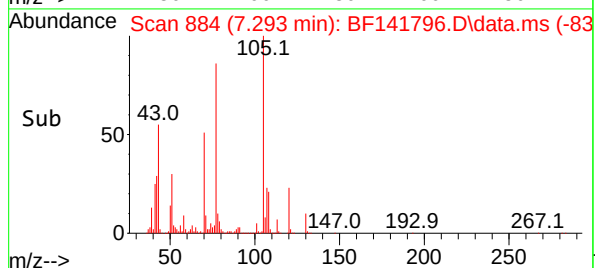
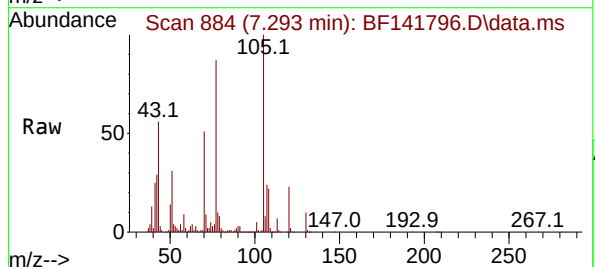
Manual Integrations  
APPROVED

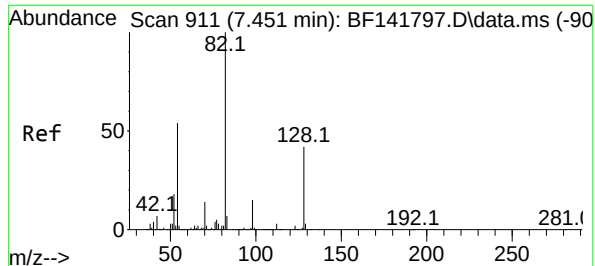
Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025



#22  
Acetophenone  
Concen: 21.041 ng  
RT: 7.293 min Scan# 884  
Delta R.T. -0.006 min  
Lab File: BF141796.D  
Acq: 27 Feb 2025 16:46

Tgt Ion:105 Resp: 585913  
Ion Ratio Lower Upper  
105 100  
71 8.6 5.4 8.0#  
51 30.7 26.1 39.1  
120 22.5 17.5 26.3





#23

Nitrobenzene-d5

Concen: 40.590 ng

RT: 7.445 min Scan# 911

Delta R.T. -0.006 min

Lab File: BF141796.D

Acq: 27 Feb 2025 16:46

Instrument :

BNA\_F

ClientSampleId :

SSTDICC020

Tgt Ion: 82 Resp: 726034

Ion Ratio Lower Upper

82 100

128 40.7 33.5 50.3

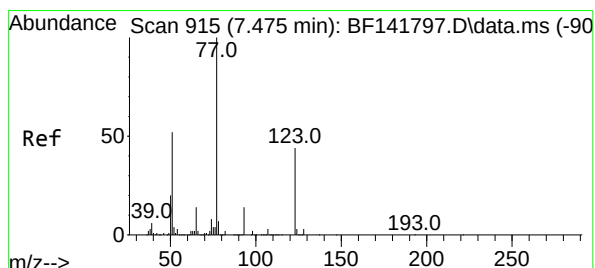
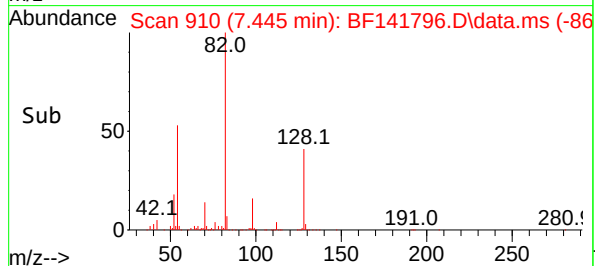
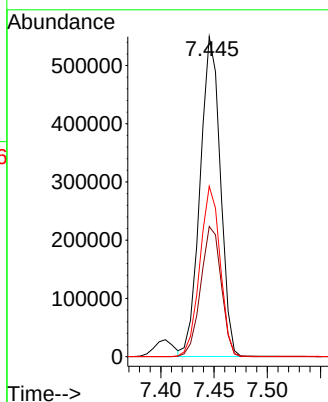
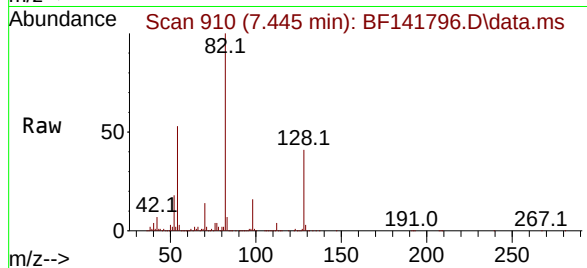
54 53.3 42.7 64.1

Manual Integrations

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Reviewed By :Yogesh Patel 02/28/2025

Supervised By :mohammad ahmed 02/28/2025



#24

Nitrobenzene

Concen: 20.649 ng

RT: 7.463 min Scan# 913

Delta R.T. -0.012 min

Lab File: BF141796.D

Acq: 27 Feb 2025 16:46

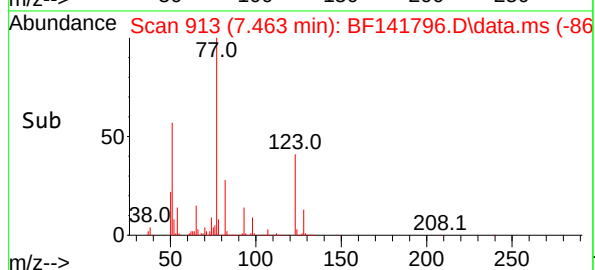
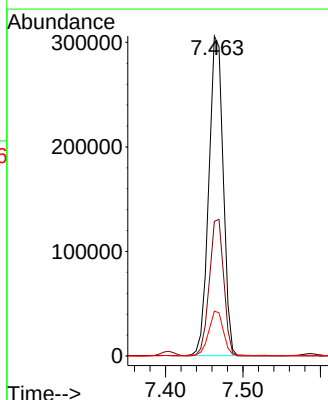
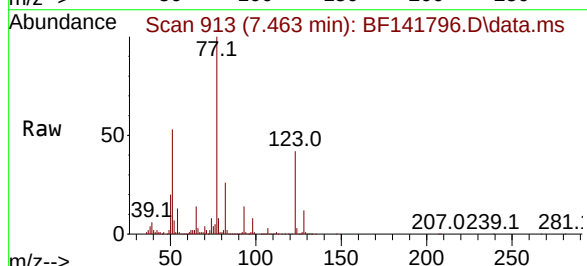
Tgt Ion: 77 Resp: 395521

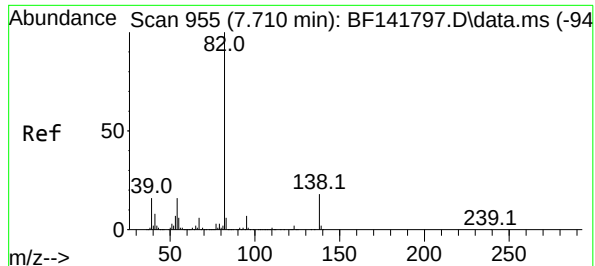
Ion Ratio Lower Upper

77 100

123 42.1 35.8 53.8

65 14.0 11.2 16.8





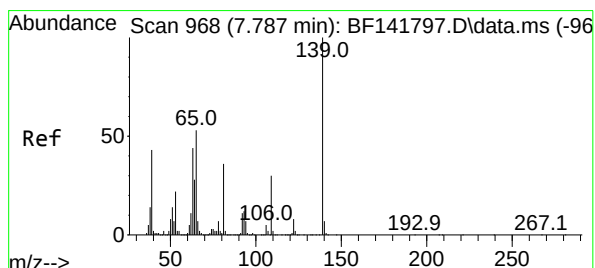
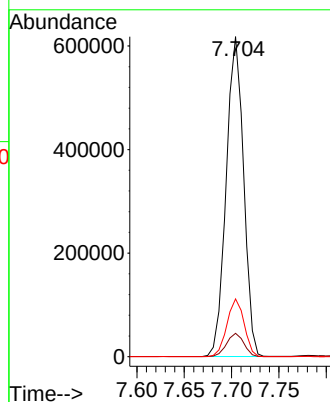
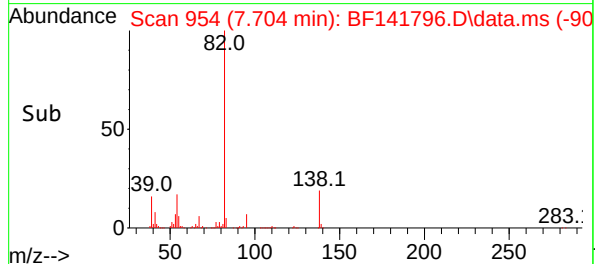
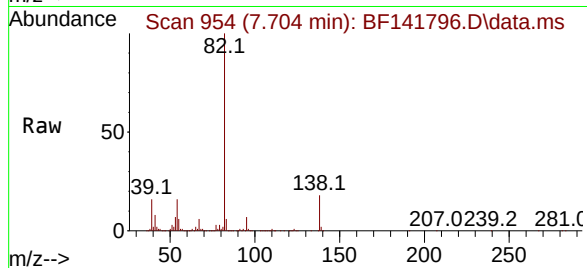
#25  
Isophorone  
Concen: 20.541 ng  
RT: 7.704 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: BF141796.D  
Acq: 27 Feb 2025 16:46

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC020

Tgt Ion: 82 Resp: 789349  
Ion Ratio Lower Upper  
82 100  
95 7.3 5.8 8.8  
138 18.1 14.0 21.0

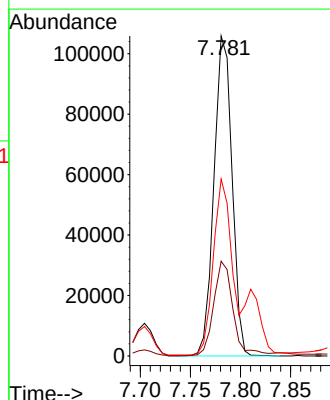
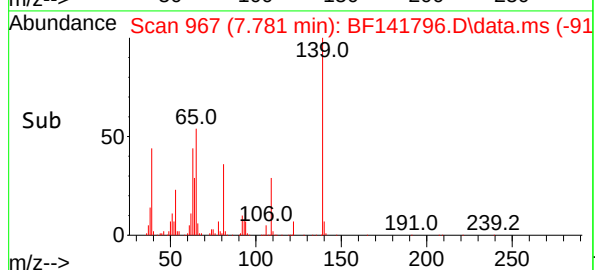
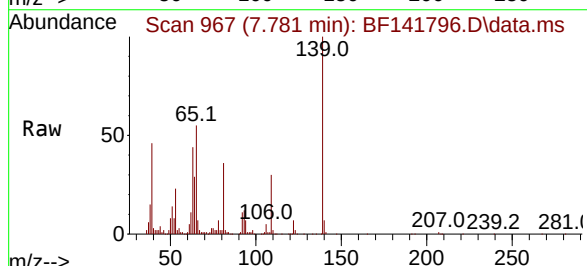
Manual Integrations  
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Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025

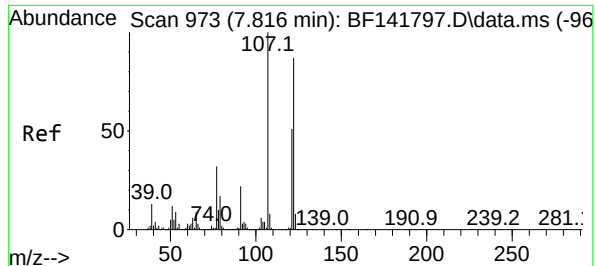


#26  
2-Nitrophenol  
Concen: 18.604 ng  
RT: 7.781 min Scan# 967  
Delta R.T. -0.006 min  
Lab File: BF141796.D  
Acq: 27 Feb 2025 16:46

Tgt Ion:139 Resp: 132844  
Ion Ratio Lower Upper  
139 100  
109 29.6 24.1 36.1  
65 55.3 42.3 63.5







#27

2,4-Dimethylphenol

Concen: 20.740 ng

RT: 7.810 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF141796.D

Acq: 27 Feb 2025 16:46

Instrument :

BNA\_F

ClientSampleId :

SSTDICC020

Tgt Ion:122 Resp: 292960

Ion Ratio Lower Upper

122 100

107 115.0 92.5 138.7

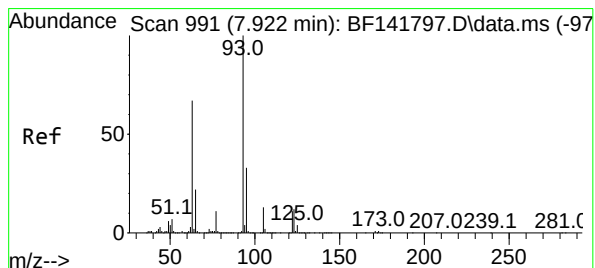
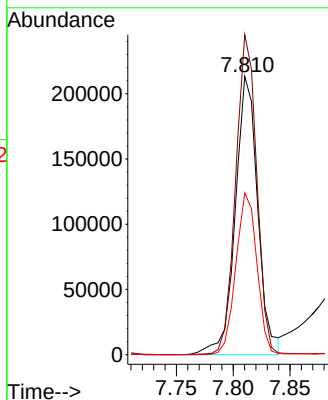
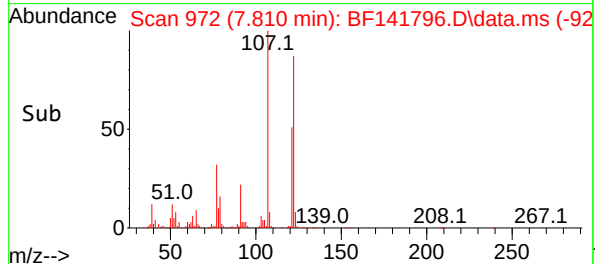
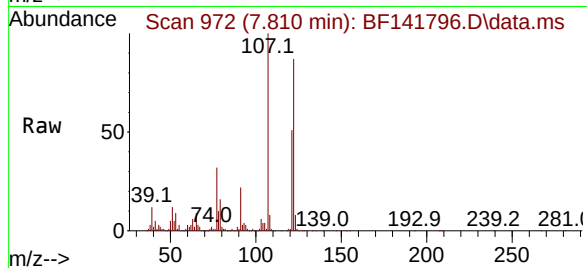
121 58.1 47.1 70.7

Manual Integrations

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Reviewed By :Yogesh Patel 02/28/2025

Supervised By :mohammad ahmed 02/28/2025



#28

bis(2-Chloroethoxy)methane

Concen: 20.966 ng

RT: 7.916 min Scan# 990

Delta R.T. -0.006 min

Lab File: BF141796.D

Acq: 27 Feb 2025 16:46

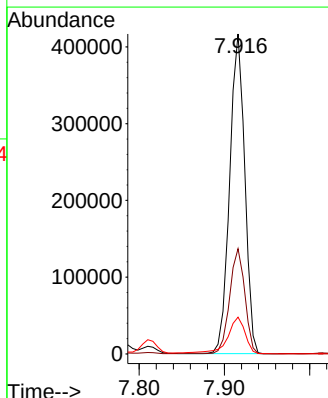
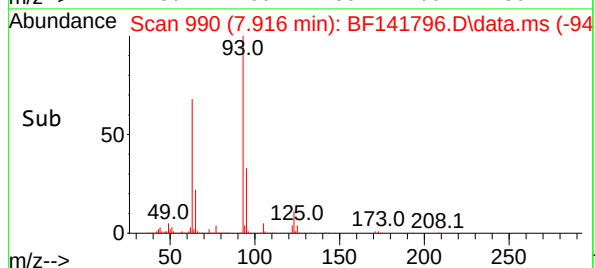
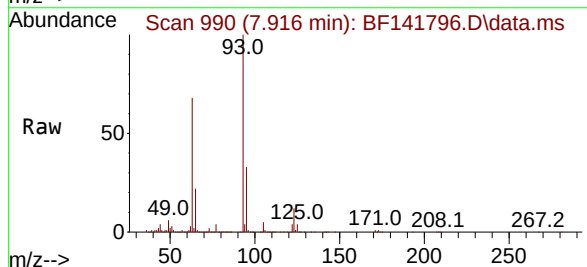
Tgt Ion: 93 Resp: 513944

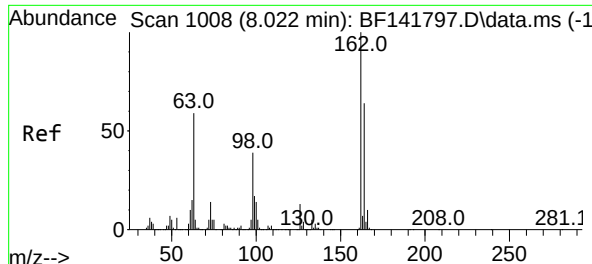
Ion Ratio Lower Upper

93 100

95 32.9 26.5 39.7

123 11.5 10.0 15.0





#29

2,4-Dichlorophenol

Concen: 20.749 ng

RT: 8.016 min Scan# 1007

Delta R.T. -0.006 min

Lab File: BF141796.D

Acq: 27 Feb 2025 16:46

Instrument :

BNA\_F

ClientSampleId :

SSTDICC020

Tgt Ion:162 Resp: 33812

Ion Ratio Lower Upper

162 100

164 64.7 44.3 84.3

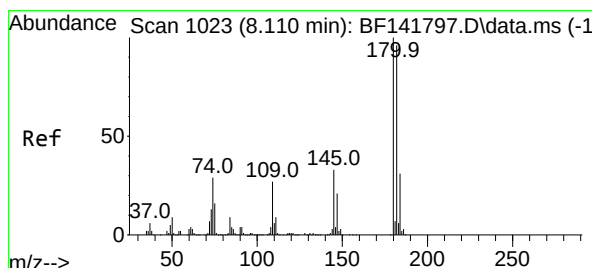
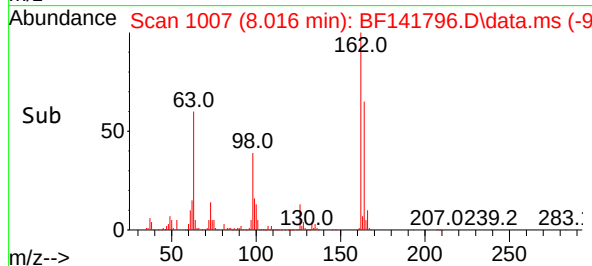
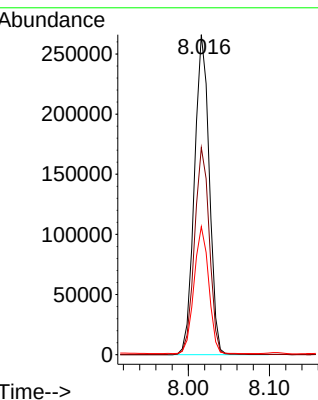
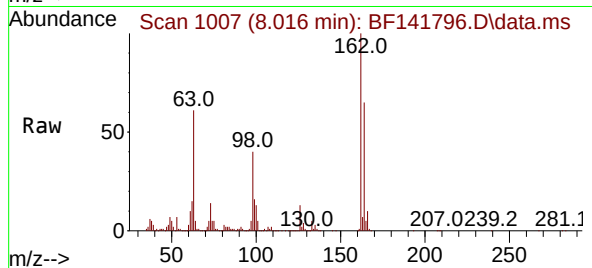
98 40.0 19.6 59.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/28/2025

Supervised By :mohammad ahmed 02/28/2025



#30

1,2,4-Trichlorobenzene

Concen: 20.955 ng

RT: 8.110 min Scan# 1023

Delta R.T. -0.000 min

Lab File: BF141796.D

Acq: 27 Feb 2025 16:46

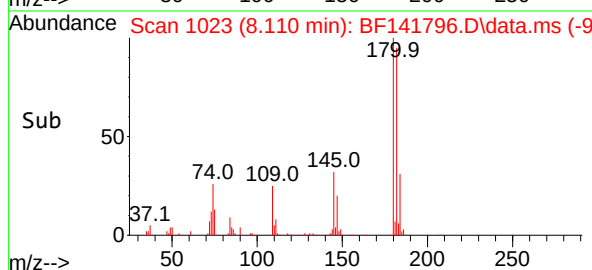
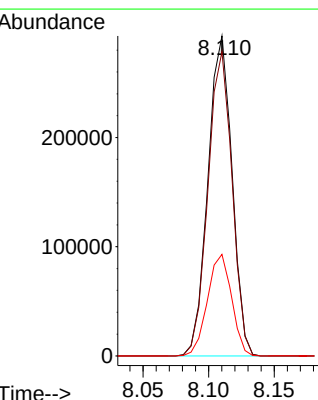
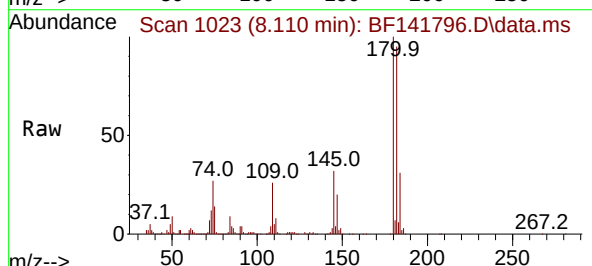
Tgt Ion:180 Resp: 374188

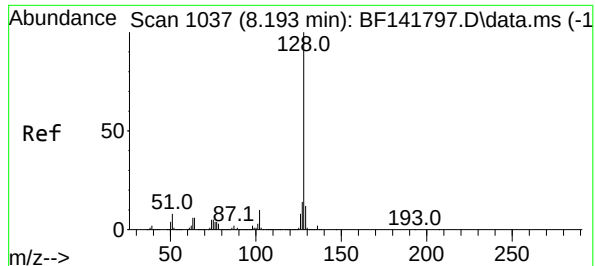
Ion Ratio Lower Upper

180 100

182 95.1 76.8 115.2

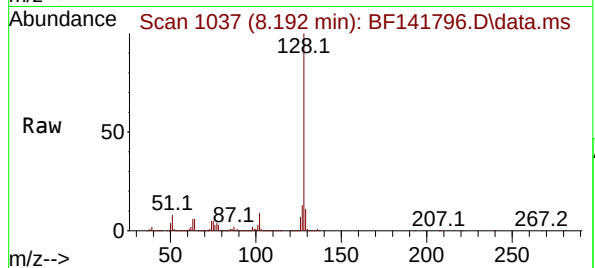
145 31.8 26.4 39.6





#31  
Naphthalene  
Concen: 21.409 ng  
RT: 8.192 min Scan# 1037  
Delta R.T. -0.000 min  
Lab File: BF141796.D  
Acq: 27 Feb 2025 16:46

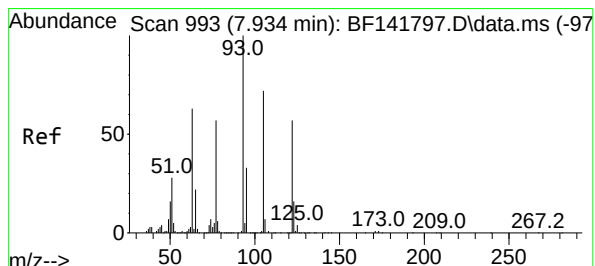
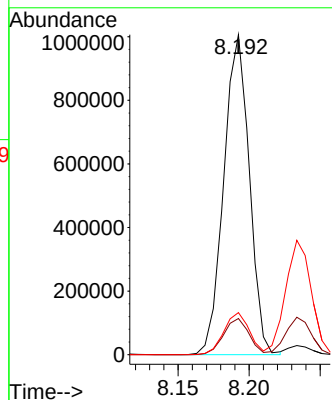
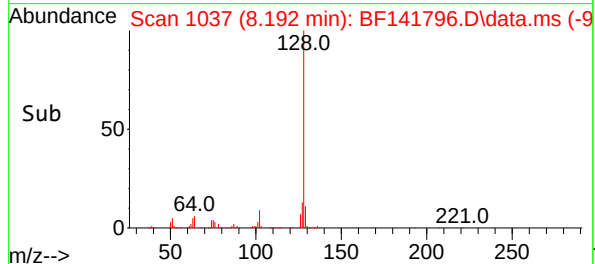
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC020



Tgt Ion:128 Resp: 125808  
Ion Ratio Lower Upper  
128 100  
129 11.3 9.2 13.8  
127 13.2 11.0 16.4

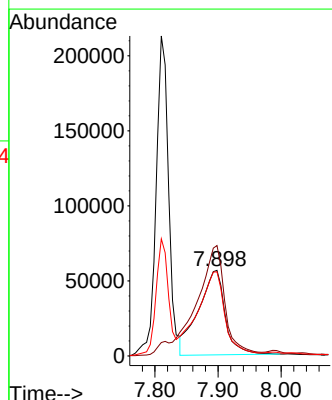
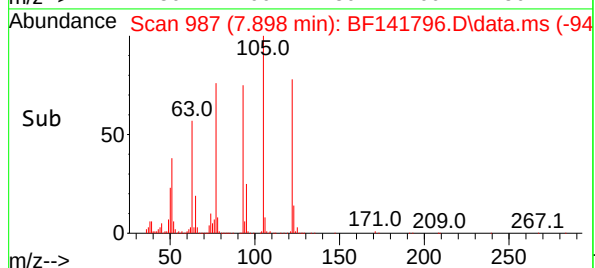
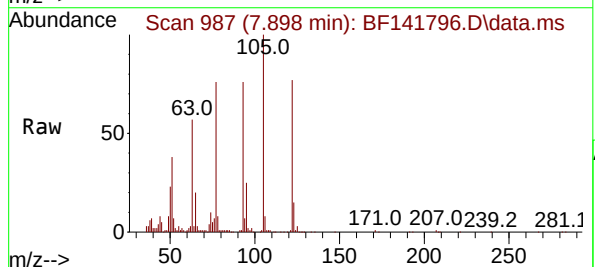
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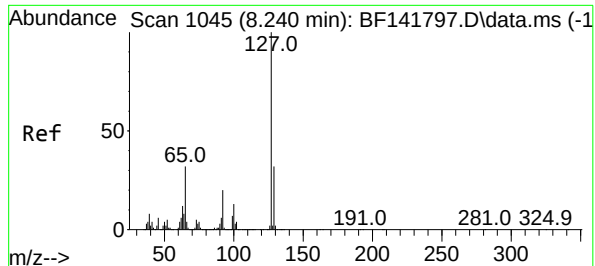
Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025



#32  
Benzoic acid  
Concen: 19.487 ng  
RT: 7.898 min Scan# 987  
Delta R.T. -0.036 min  
Lab File: BF141796.D  
Acq: 27 Feb 2025 16:46

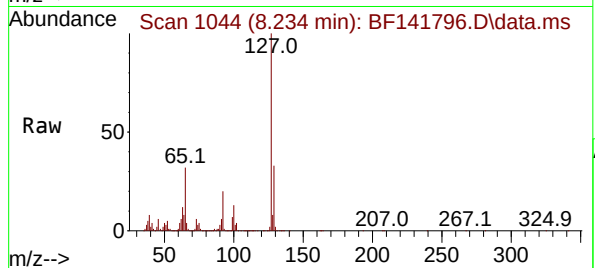
Tgt Ion:122 Resp: 165613  
Ion Ratio Lower Upper  
122 100  
105 129.2 105.8 145.8  
77 98.4 79.9 119.9





#33  
4-Chloroaniline  
Concen: 21.097 ng  
RT: 8.234 min Scan# 1044  
Delta R.T. -0.006 min  
Lab File: BF141796.D  
Acq: 27 Feb 2025 16:46

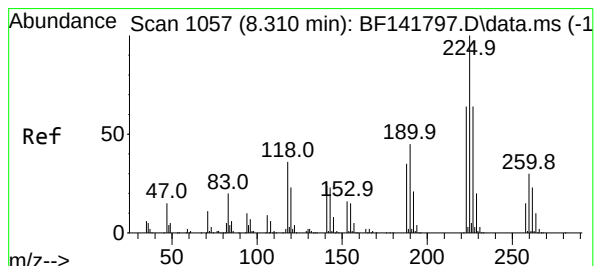
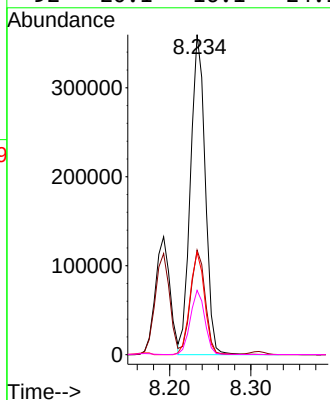
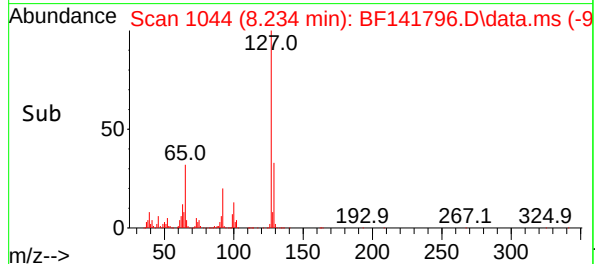
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC020



Tgt Ion:127 Resp: 45456  
Ion Ratio Lower Upper  
127 100  
129 32.7 26.1 39.1  
65 32.0 25.7 38.5  
92 20.1 16.1 24.1

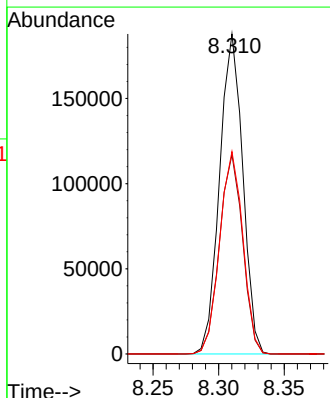
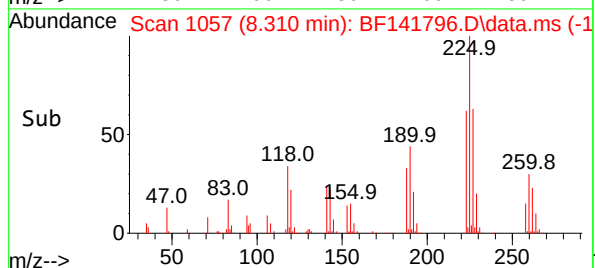
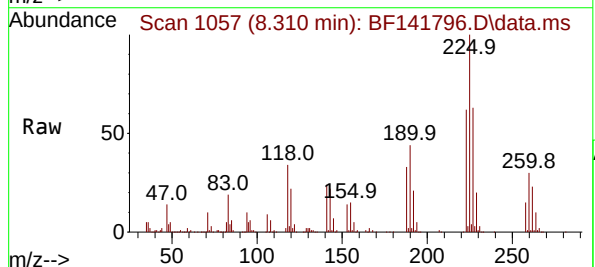
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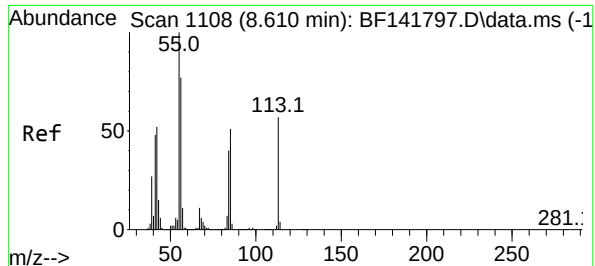
Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025



#34  
Hexachlorobutadiene  
Concen: 20.776 ng  
RT: 8.310 min Scan# 1057  
Delta R.T. -0.000 min  
Lab File: BF141796.D  
Acq: 27 Feb 2025 16:46

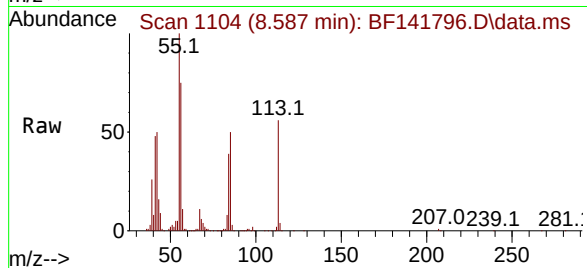
Tgt Ion:225 Resp: 230541  
Ion Ratio Lower Upper  
225 100  
223 62.3 51.4 77.2  
227 63.2 51.6 77.4





#35  
Caprolactam  
Concen: 20.521 ng  
RT: 8.587 min Scan# 1104  
Delta R.T. -0.024 min  
Lab File: BF141796.D  
Acq: 27 Feb 2025 16:46

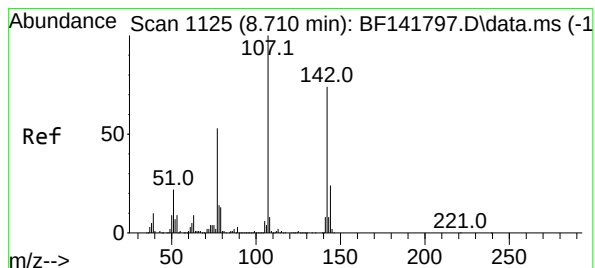
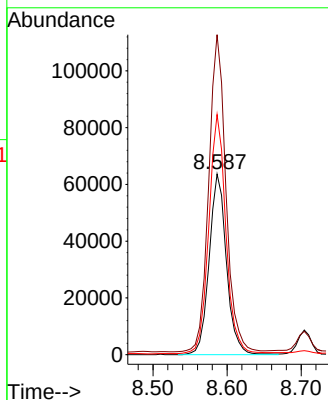
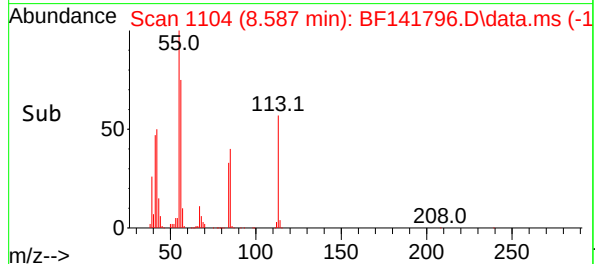
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC020



Tgt Ion:113 Resp: 102898  
Ion Ratio Lower Upper  
113 100  
55 177.2 155.6 195.6  
56 132.9 114.6 154.6

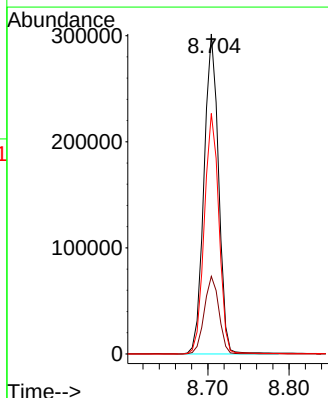
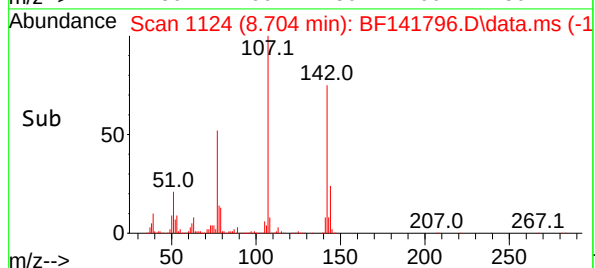
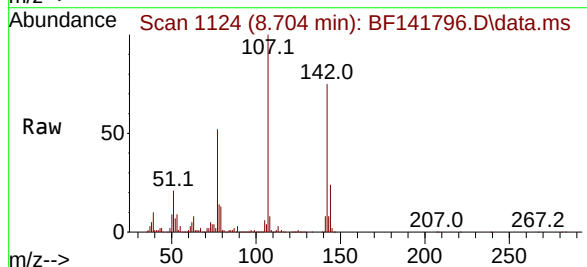
Manual Integrations  
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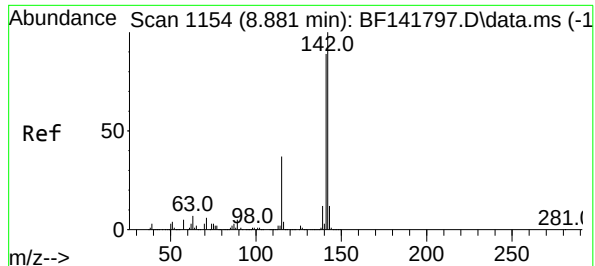
Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025



#36  
4-Chloro-3-methylphenol  
Concen: 20.776 ng  
RT: 8.704 min Scan# 1124  
Delta R.T. -0.006 min  
Lab File: BF141796.D  
Acq: 27 Feb 2025 16:46

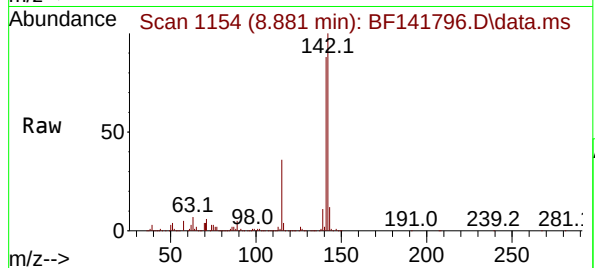
Tgt Ion:107 Resp: 376094  
Ion Ratio Lower Upper  
107 100  
144 24.3 19.4 29.0  
142 75.1 59.4 89.0





#37  
2-Methylnaphthalene  
Concen: 21.443 ng  
RT: 8.881 min Scan# 1154  
Delta R.T. -0.000 min  
Lab File: BF141796.D  
Acq: 27 Feb 2025 16:46

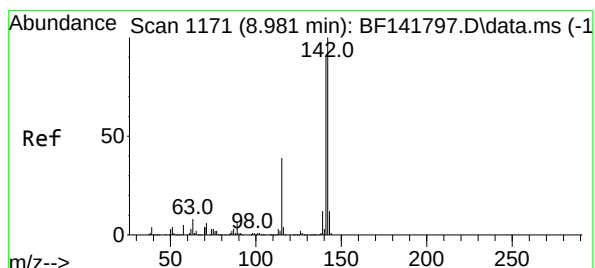
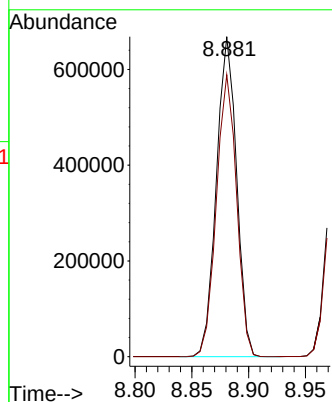
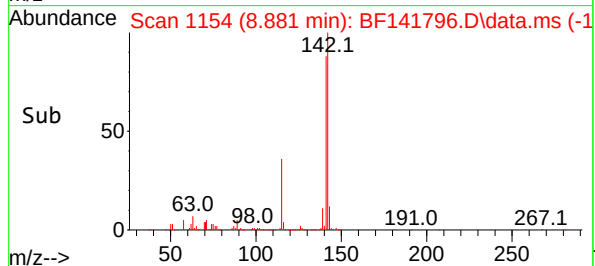
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC020



Tgt Ion:142 Resp: 82649  
Ion Ratio Lower Upper  
142 100  
141 88.1 71.1 106.7

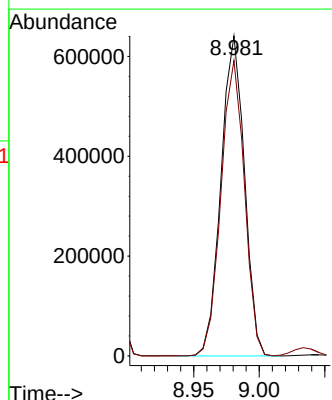
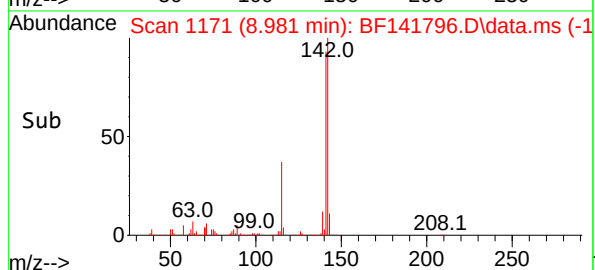
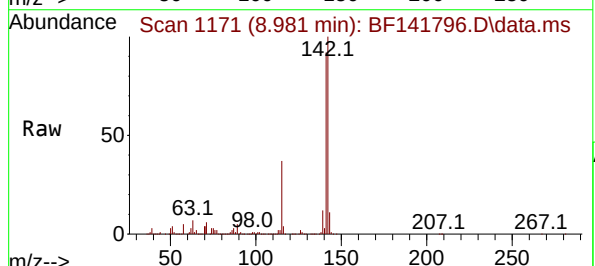
Manual Integrations  
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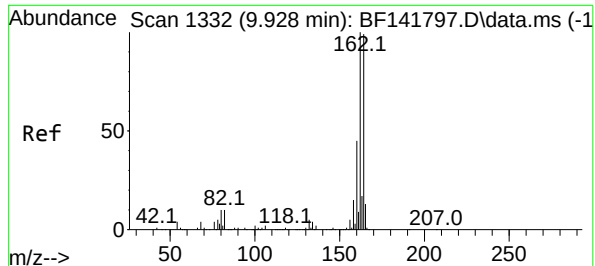
Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025



#38  
1-Methylnaphthalene  
Concen: 21.545 ng  
RT: 8.981 min Scan# 1171  
Delta R.T. -0.000 min  
Lab File: BF141796.D  
Acq: 27 Feb 2025 16:46

Tgt Ion:142 Resp: 796808  
Ion Ratio Lower Upper  
142 100  
141 92.3 73.1 109.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.928 min Scan# 1182

Delta R.T. -0.000 min

Lab File: BF141796.D

Acq: 27 Feb 2025 16:46

Instrument :

BNA\_F

ClientSampleId :

SSTDICC020

Tgt Ion:164 Resp: 626338

Ion Ratio Lower Upper

164 100

162 101.7 80.6 120.8

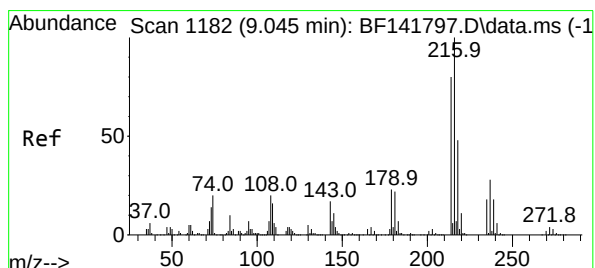
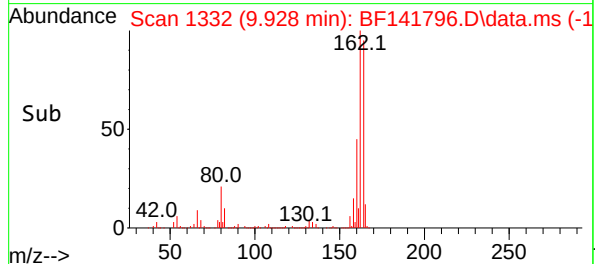
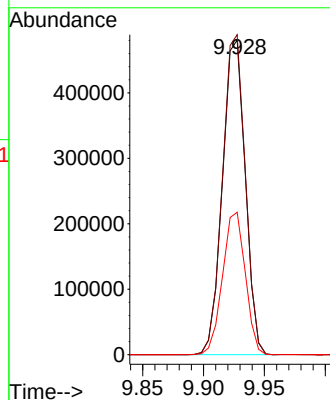
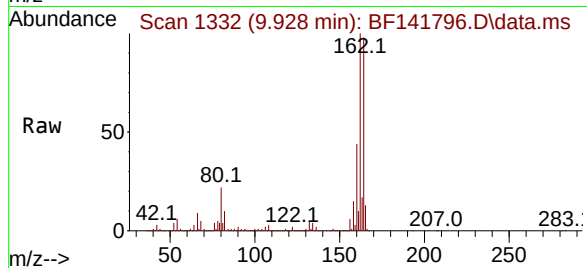
160 45.3 36.3 54.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/28/2025

Supervised By :mohammad ahmed 02/28/2025



#40

1,2,4,5-Tetrachlorobenzene

Concen: 20.861 ng

RT: 9.045 min Scan# 1182

Delta R.T. -0.000 min

Lab File: BF141796.D

Acq: 27 Feb 2025 16:46

Tgt Ion:216 Resp: 377360

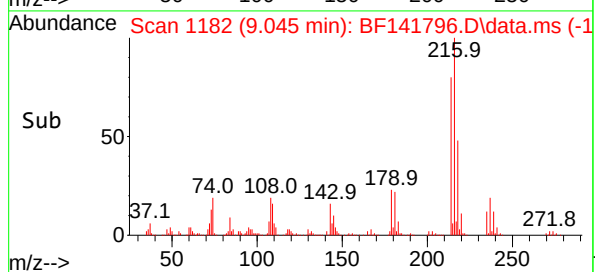
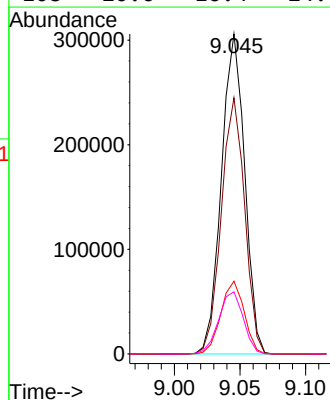
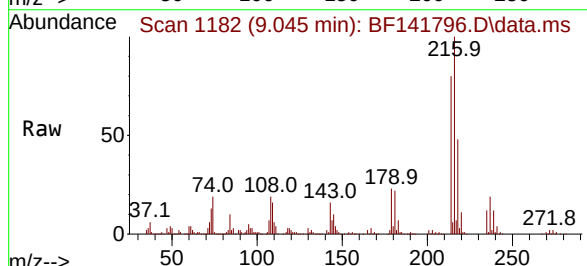
Ion Ratio Lower Upper

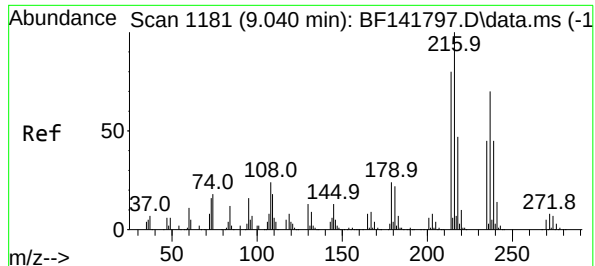
216 100

214 80.0 63.5 95.3

179 22.8 18.1 27.1

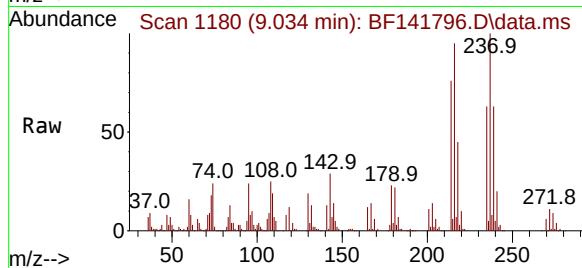
108 20.6 16.4 24.6





#41  
Hexachlorocyclopentadiene  
Concen: 20.943 ng  
RT: 9.034 min Scan# 1181  
Delta R.T. -0.006 min  
Lab File: BF141796.D  
Acq: 27 Feb 2025 16:46

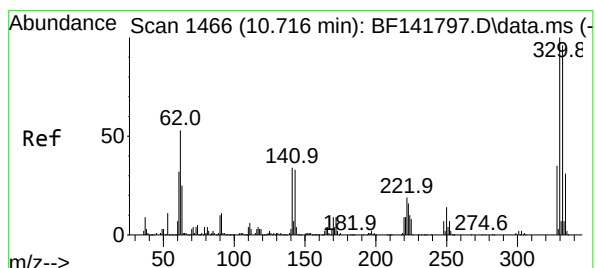
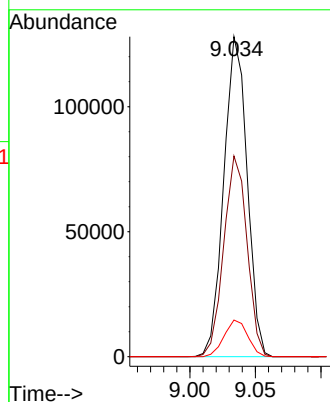
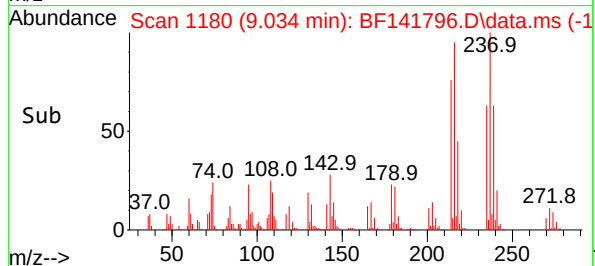
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC020



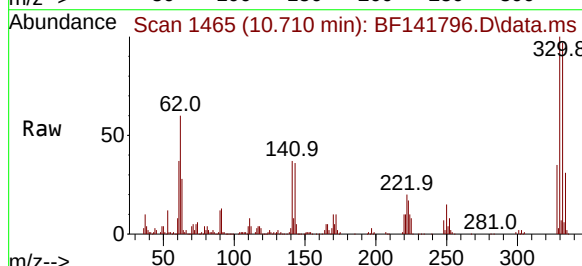
Tgt Ion:237 Resp: 15810  
Ion Ratio Lower Upper  
237 100  
235 62.7 43.3 83.3  
272 11.4 0.0 31.9

Manual Integrations  
APPROVED

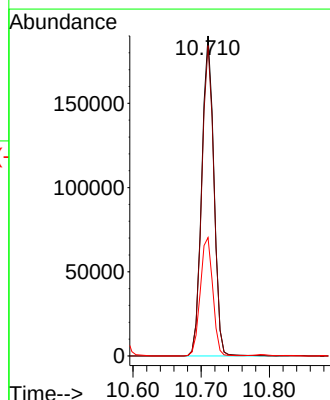
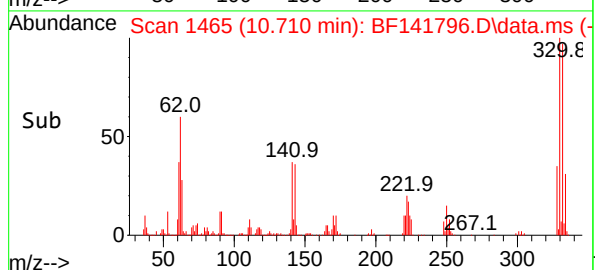
Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025



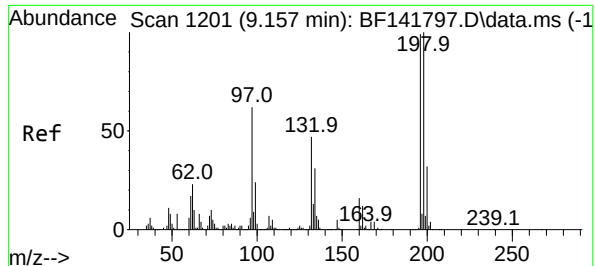
#42  
2,4,6-Tribromophenol  
Concen: 39.990 ng  
RT: 10.710 min Scan# 1465  
Delta R.T. -0.006 min  
Lab File: BF141796.D  
Acq: 27 Feb 2025 16:46



Tgt Ion:330 Resp: 235147  
Ion Ratio Lower Upper  
330 100  
332 97.3 76.6 115.0  
141 38.3 29.0 43.4







#43

2,4,6-Trichlorophenol

Concen: 20.419 ng

RT: 9.151 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141796.D

Acq: 27 Feb 2025 16:46

Instrument :

BNA\_F

ClientSampleId :

SSTDICC020

Tgt Ion:196 Resp: 23859

Ion Ratio Lower Upper

196 100

198 100.1 80.4 120.6

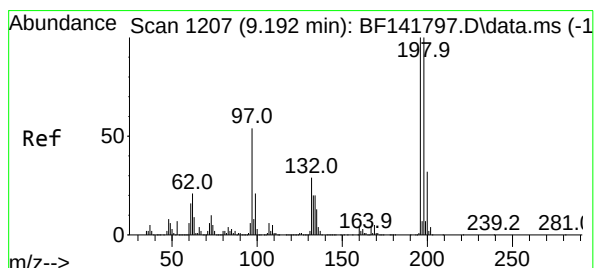
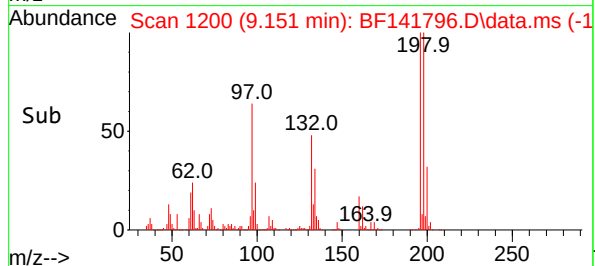
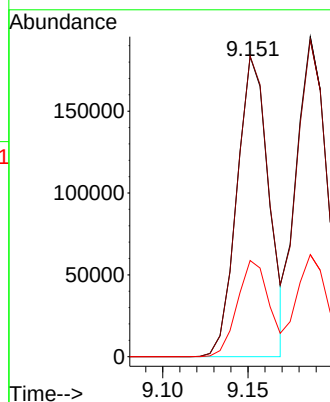
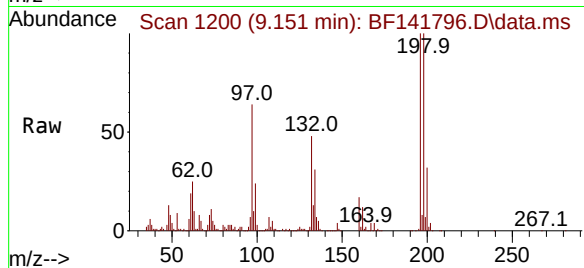
200 32.0 25.7 38.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/28/2025

Supervised By :mohammad ahmed 02/28/2025



#44

2,4,5-Trichlorophenol

Concen: 20.976 ng

RT: 9.187 min Scan# 1206

Delta R.T. -0.006 min

Lab File: BF141796.D

Acq: 27 Feb 2025 16:46

Tgt Ion:196 Resp: 242709

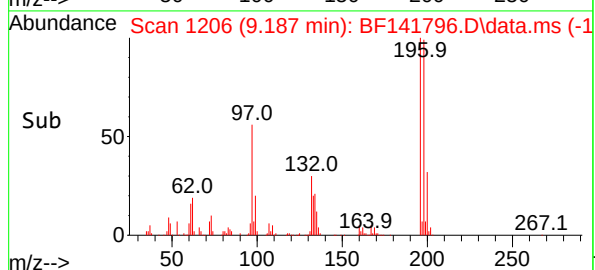
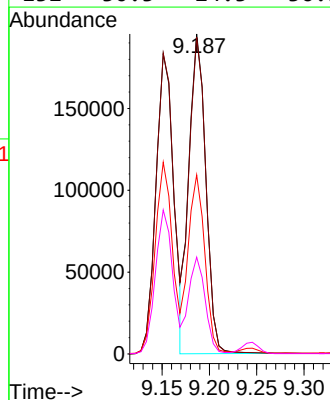
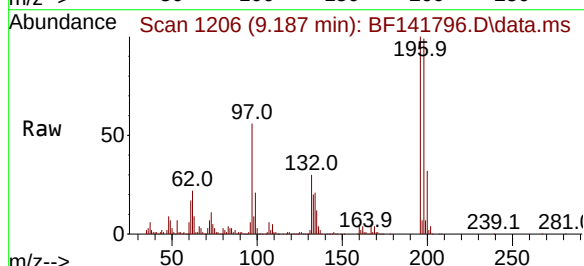
Ion Ratio Lower Upper

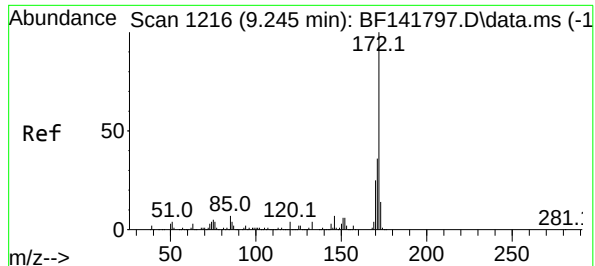
196 100

198 99.1 79.7 119.5

97 55.9 44.2 66.2

132 30.3 24.3 36.5





#45

2-Fluorobiphenyl

Concen: 43.170 ng

RT: 9.245 min Scan# 1216

Delta R.T. -0.000 min

Lab File: BF141796.D

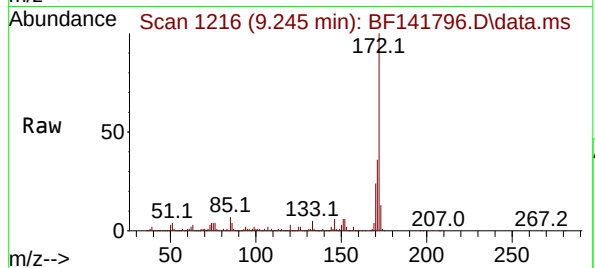
Acq: 27 Feb 2025 16:46

Instrument :

BNA\_F

ClientSampleId :

SSTDICC020



Tgt Ion:172 Resp: 1686318

Ion Ratio Lower Upper

172 100

171 35.6 29.2 43.8

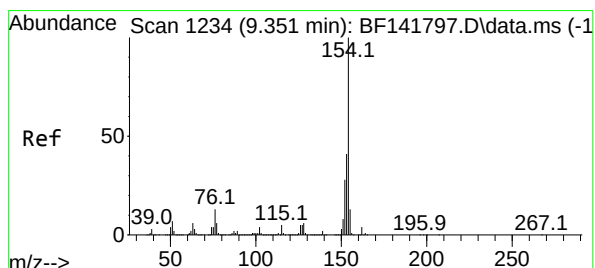
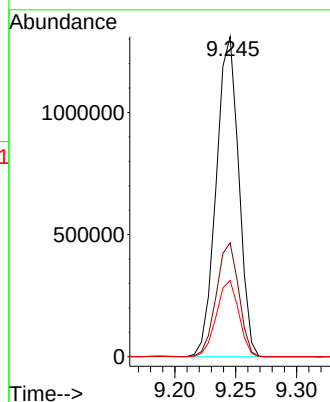
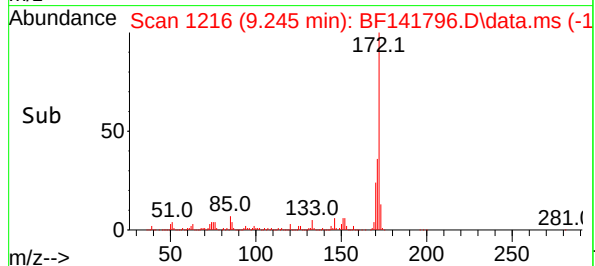
170 23.8 19.7 29.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/28/2025

Supervised By :mohammad ahmed 02/28/2025



#46

1,1'-Biphenyl

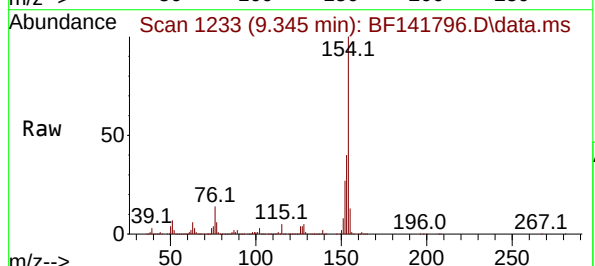
Concen: 21.418 ng

RT: 9.345 min Scan# 1233

Delta R.T. -0.006 min

Lab File: BF141796.D

Acq: 27 Feb 2025 16:46



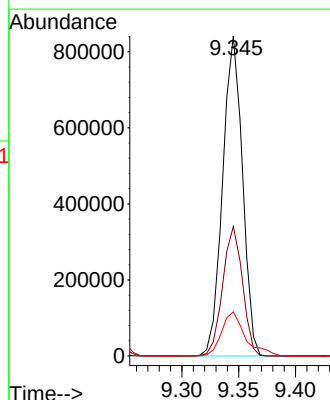
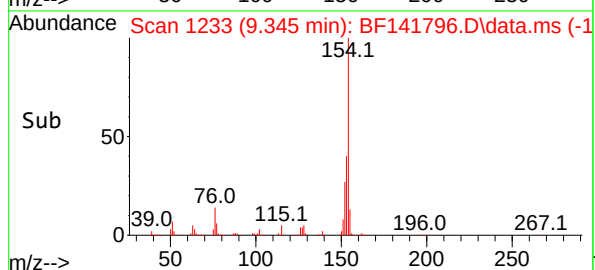
Tgt Ion:154 Resp: 1021081

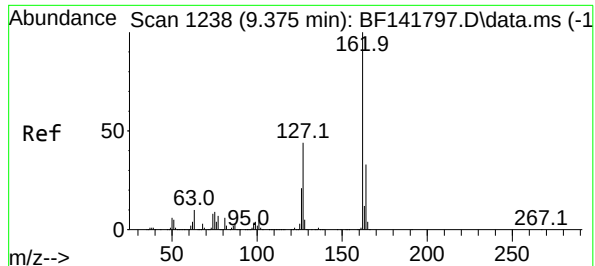
Ion Ratio Lower Upper

154 100

153 40.4 21.4 61.4

76 13.8 0.0 33.4





#47

2-Chloronaphthalene

Concen: 21.375 ng

RT: 9.369 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141796.D

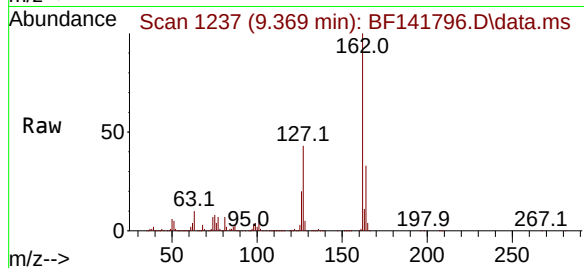
Acq: 27 Feb 2025 16:46

Instrument :

BNA\_F

ClientSampleId :

SSTDICC020



Tgt Ion:162 Resp: 75214

Ion Ratio Lower Upper

162 100

127 42.5 35.0 52.6

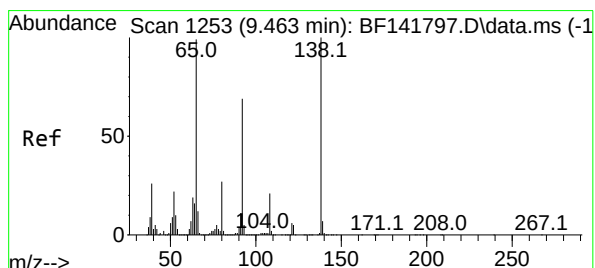
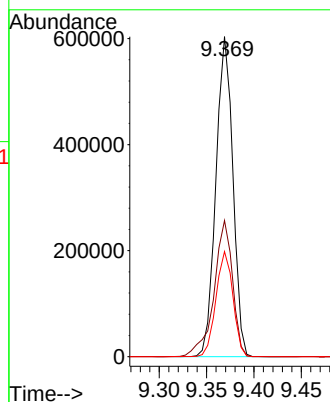
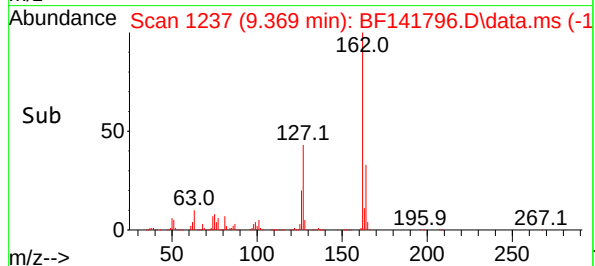
164 32.9 26.6 40.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/28/2025

Supervised By :mohammad ahmed 02/28/2025



#48

2-Nitroaniline

Concen: 18.870 ng

RT: 9.457 min Scan# 1252

Delta R.T. -0.006 min

Lab File: BF141796.D

Acq: 27 Feb 2025 16:46

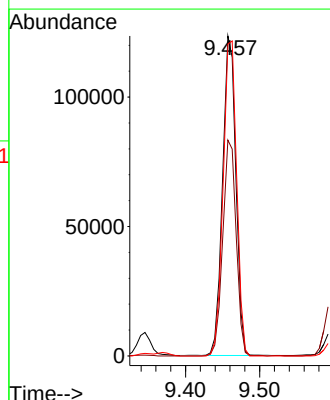
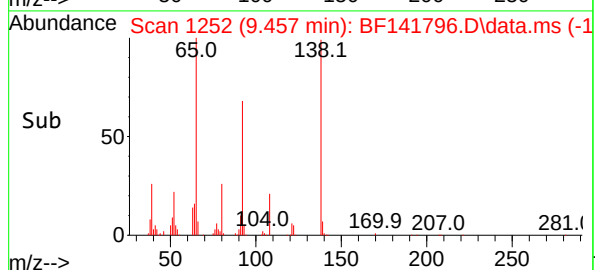
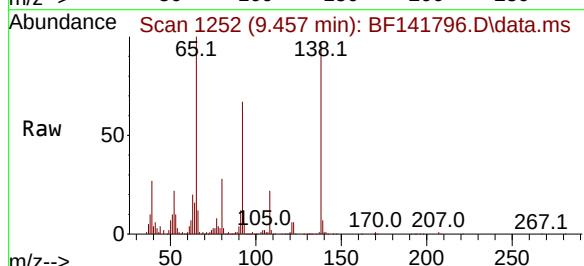
Tgt Ion: 65 Resp: 153869

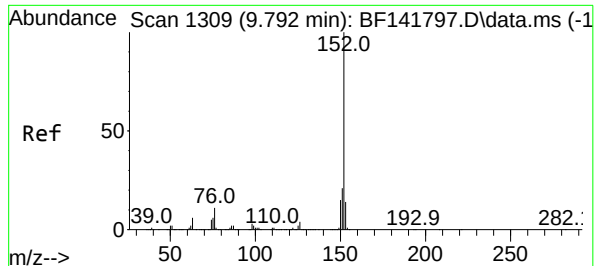
Ion Ratio Lower Upper

65 100

92 67.5 55.7 83.5

138 97.5 80.6 121.0





#49

Acenaphthylene

Concen: 21.349 ng

RT: 9.786 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141796.D

Acq: 27 Feb 2025 16:46

Instrument :

BNA\_F

ClientSampleId :

SSTDICC020

Tgt Ion:152 Resp: 112630

Ion Ratio Lower Upper

152 100

151 20.2 16.6 24.8

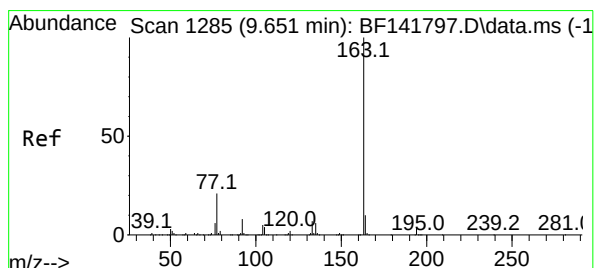
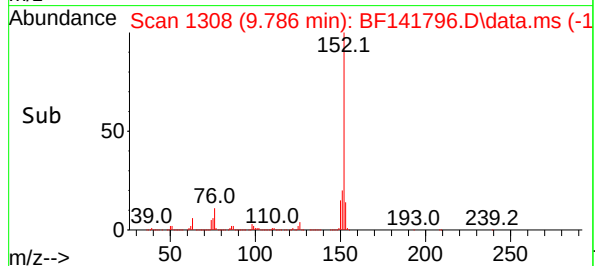
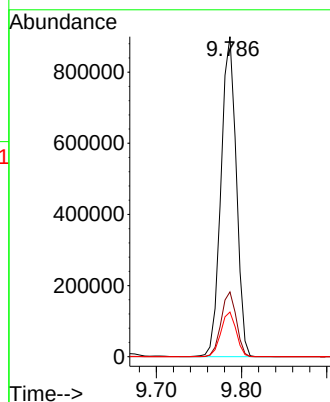
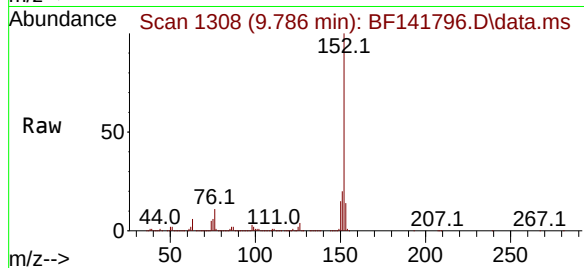
153 13.9 11.2 16.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/28/2025

Supervised By :mohammad ahmed 02/28/2025



#50

Dimethylphthalate

Concen: 20.977 ng

RT: 9.645 min Scan# 1284

Delta R.T. -0.006 min

Lab File: BF141796.D

Acq: 27 Feb 2025 16:46

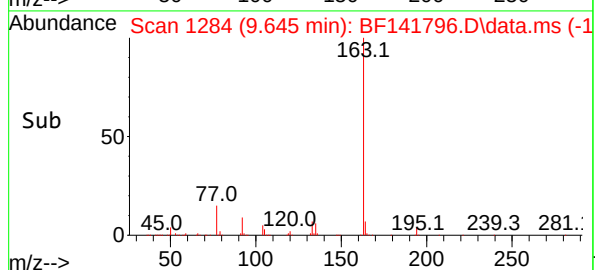
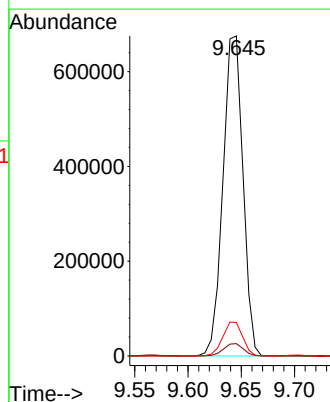
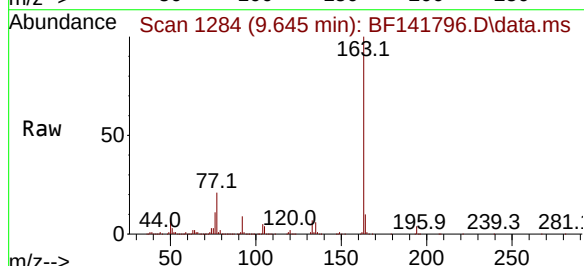
Tgt Ion:163 Resp: 879870

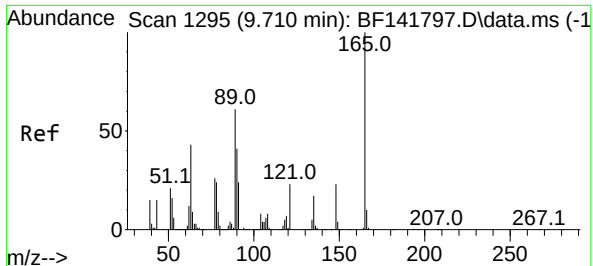
Ion Ratio Lower Upper

163 100

194 3.9 3.1 4.7

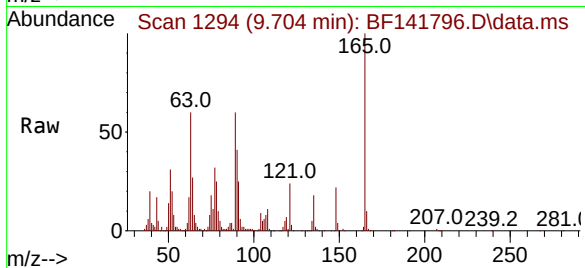
164 10.4 8.4 12.6





#51  
2,6-Dinitrotoluene  
Concen: 19.796 ng  
RT: 9.704 min Scan# 1295  
Delta R.T. -0.006 min  
Lab File: BF141796.D  
Acq: 27 Feb 2025 16:46

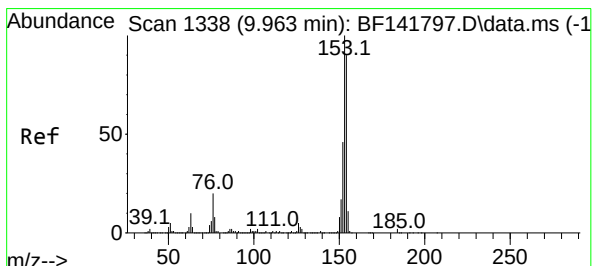
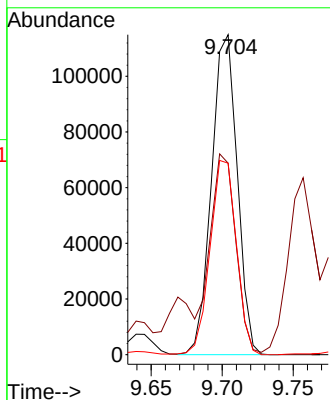
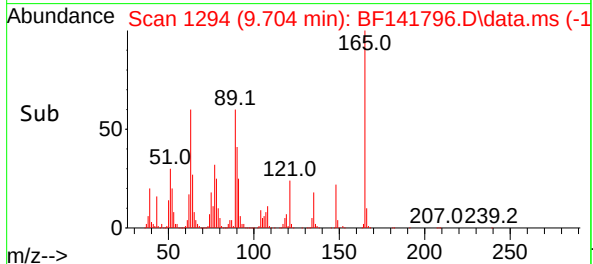
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC020



Tgt Ion:165 Resp: 144673  
Ion Ratio Lower Upper  
165 100  
63 59.9 49.5 74.3  
89 59.8 49.0 73.4

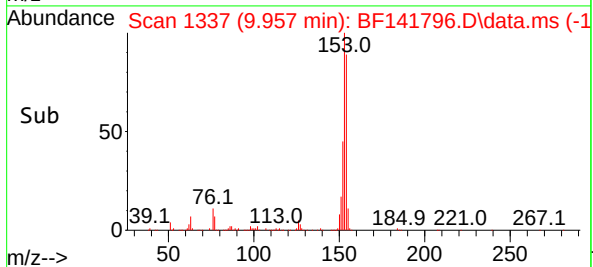
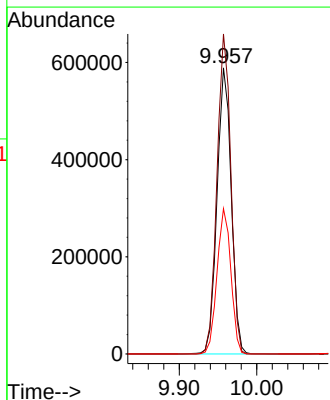
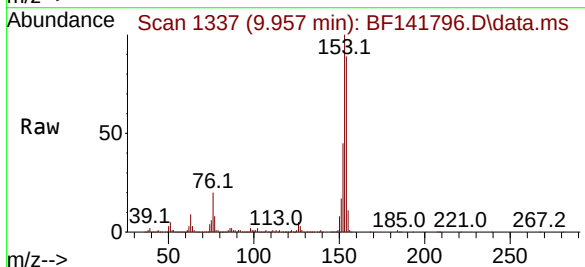
Manual Integrations  
APPROVED

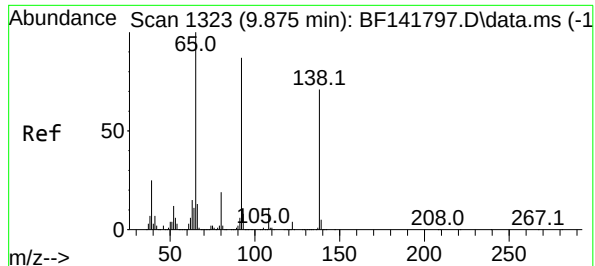
Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025



#52  
Acenaphthene  
Concen: 21.068 ng  
RT: 9.957 min Scan# 1337  
Delta R.T. -0.006 min  
Lab File: BF141796.D  
Acq: 27 Feb 2025 16:46

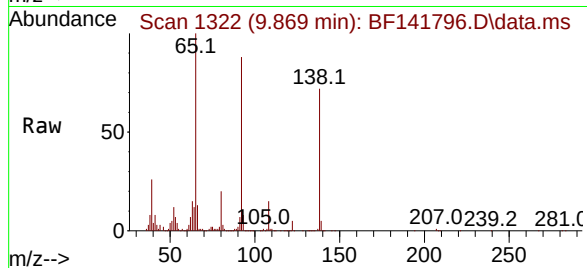
Tgt Ion:154 Resp: 749963  
Ion Ratio Lower Upper  
154 100  
153 111.9 88.7 133.1  
152 50.8 40.9 61.3





#53  
3-Nitroaniline  
Concen: 19.664 ng  
RT: 9.869 min Scan# 1322  
Delta R.T. -0.006 min  
Lab File: BF141796.D  
Acq: 27 Feb 2025 16:46

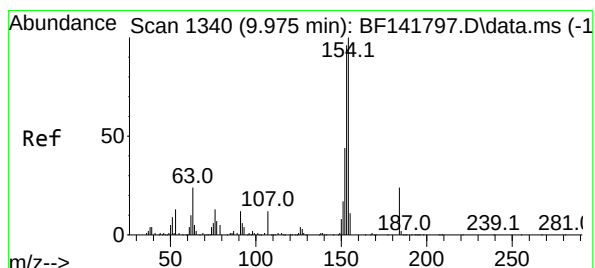
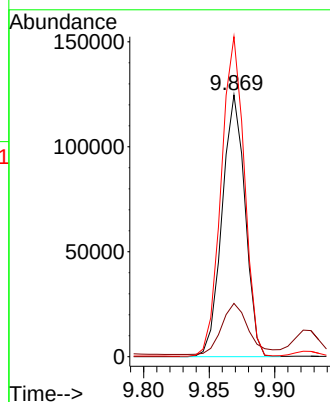
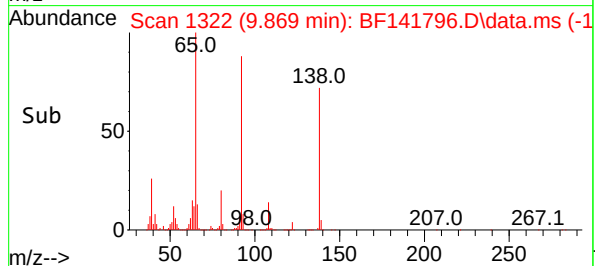
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC020



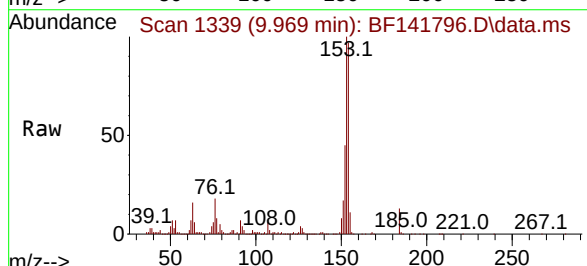
Tgt Ion:138 Resp: 152114  
Ion Ratio Lower Upper  
138 100  
108 20.3 12.7 19.1#  
92 122.3 97.9 146.9

Manual Integrations  
APPROVED

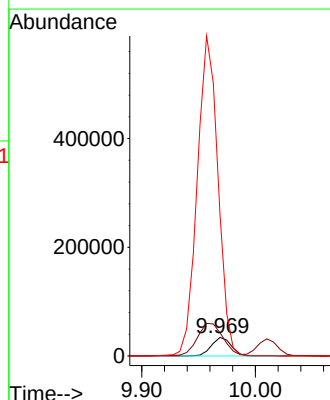
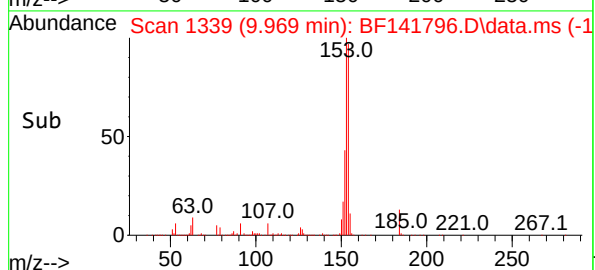
Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025

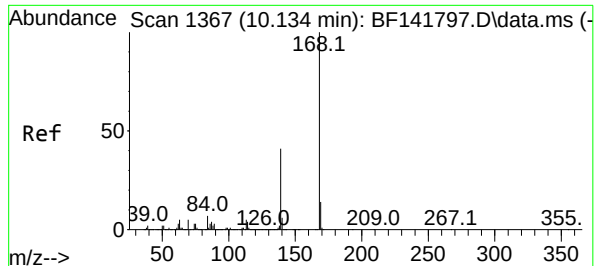


#54  
2,4-Dinitrophenol  
Concen: 19.116 ng  
RT: 9.969 min Scan# 1339  
Delta R.T. -0.006 min  
Lab File: BF141796.D  
Acq: 27 Feb 2025 16:46



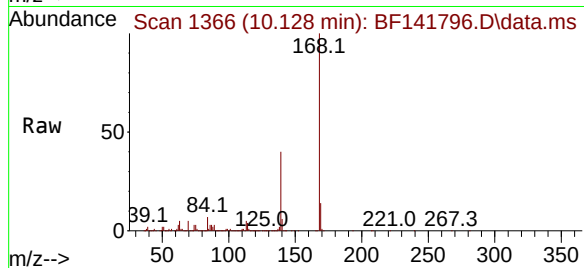
Tgt Ion:184 Resp: 41521  
Ion Ratio Lower Upper  
184 100  
63 125.2 79.0 118.6#  
154 760.8 335.8 503.8#





#55  
Dibenzenofuran  
Concen: 21.332 ng  
RT: 10.128 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF141796.D  
Acq: 27 Feb 2025 16:46

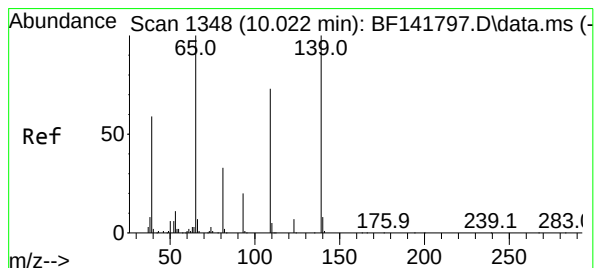
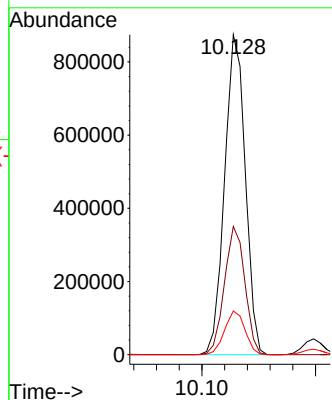
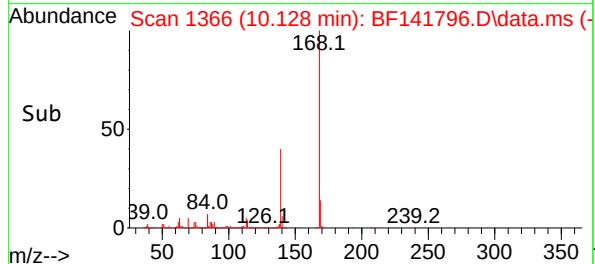
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC020



Tgt Ion:168 Resp: 1105278  
Ion Ratio Lower Upper  
168 100  
139 40.1 32.9 49.3  
169 13.6 11.1 16.7

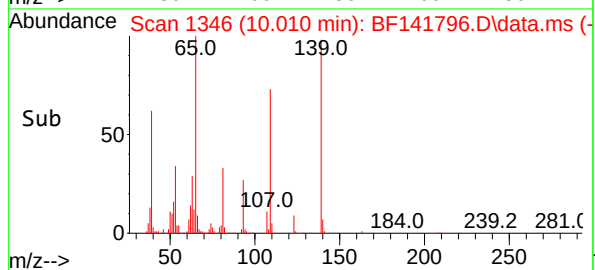
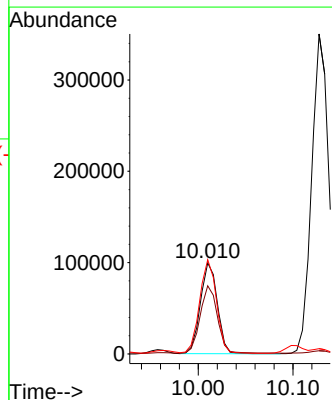
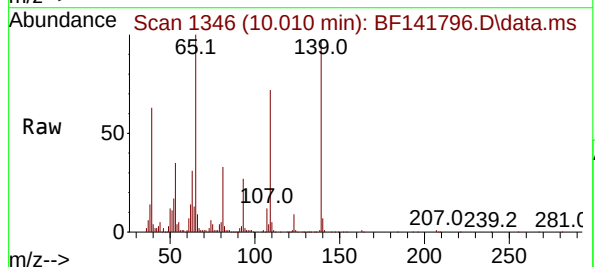
Manual Integrations  
APPROVED

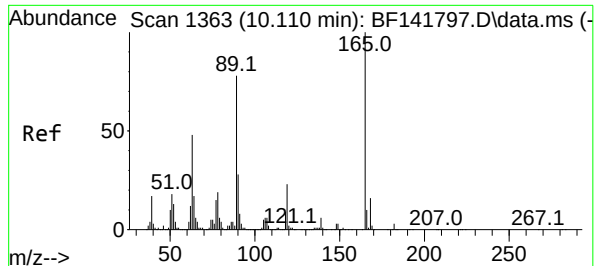
Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025



#56  
4-Nitrophenol  
Concen: 19.922 ng  
RT: 10.010 min Scan# 1346  
Delta R.T. -0.012 min  
Lab File: BF141796.D  
Acq: 27 Feb 2025 16:46

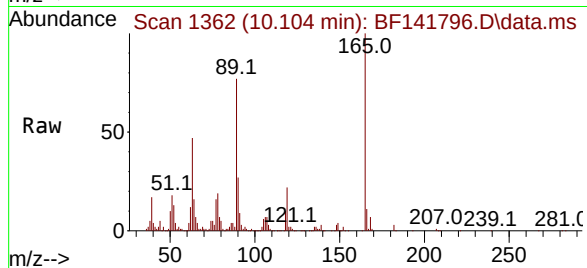
Tgt Ion:139 Resp: 123415  
Ion Ratio Lower Upper  
139 100  
109 74.8 53.4 93.4  
65 103.5 82.1 122.1





#57  
2,4-Dinitrotoluene  
Concen: 19.214 ng  
RT: 10.104 min Scan# 1362  
Delta R.T. -0.006 min  
Lab File: BF141796.D  
Acq: 27 Feb 2025 16:46

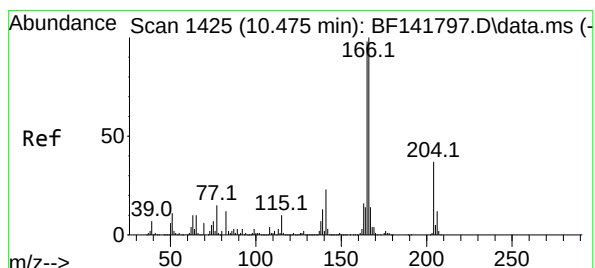
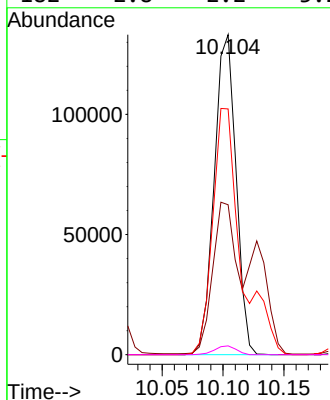
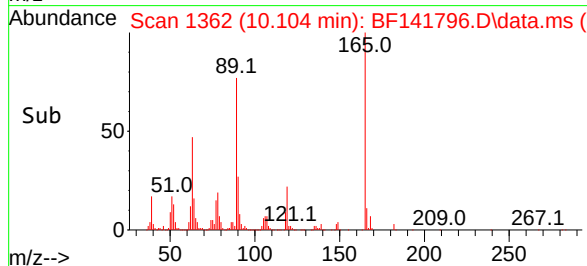
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC020



Tgt Ion:165 Resp: 165949  
Ion Ratio Lower Upper  
165 100  
63 46.9 38.8 58.2  
89 76.8 62.6 94.0  
182 2.8 2.2 3.2

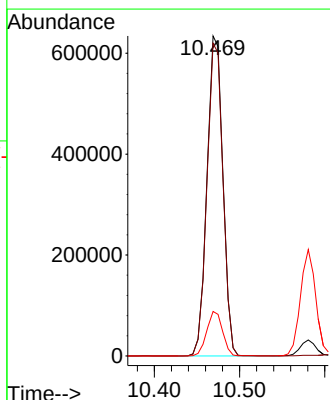
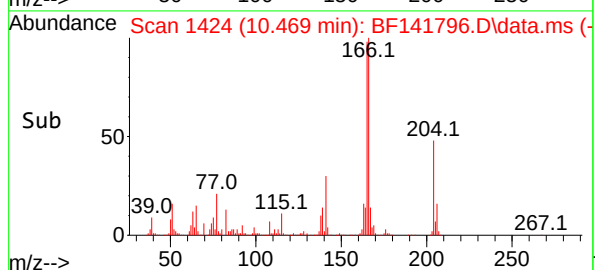
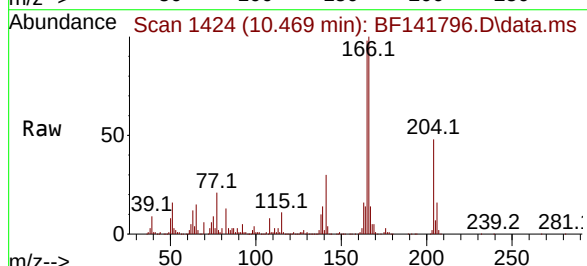
Manual Integrations  
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Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025

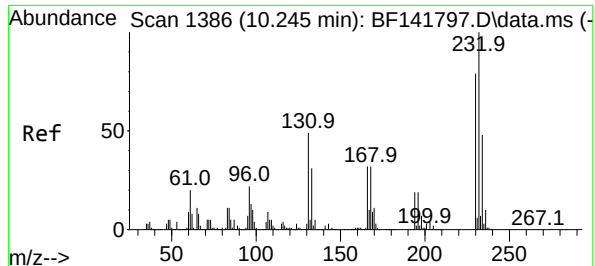


#58  
Fluorene  
Concen: 21.187 ng  
RT: 10.469 min Scan# 1424  
Delta R.T. -0.006 min  
Lab File: BF141796.D  
Acq: 27 Feb 2025 16:46

Tgt Ion:166 Resp: 822264  
Ion Ratio Lower Upper  
166 100  
165 97.7 78.6 117.8  
167 13.9 11.0 16.4

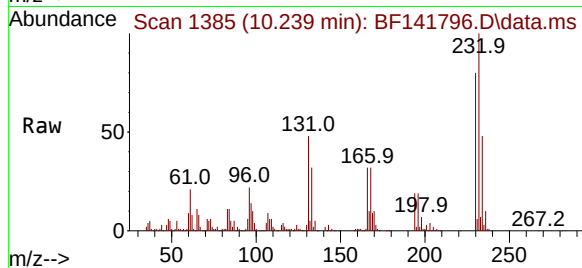






#59  
2,3,4,6-Tetrachlorophenol  
Concen: 20.902 ng  
RT: 10.239 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF141796.D  
Acq: 27 Feb 2025 16:46

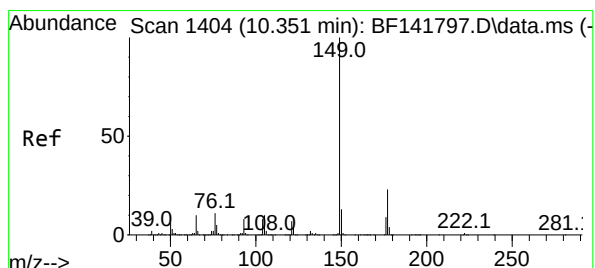
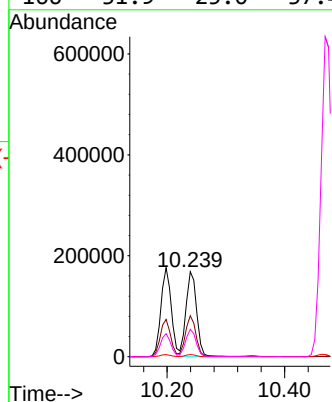
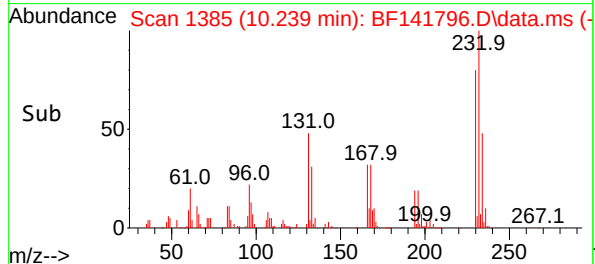
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC020



Tgt Ion:232 Resp: 210339  
Ion Ratio Lower Upper  
232 100  
131 47.6 37.8 56.8  
130 2.5 2.0 3.0  
166 31.9 25.0 37.4

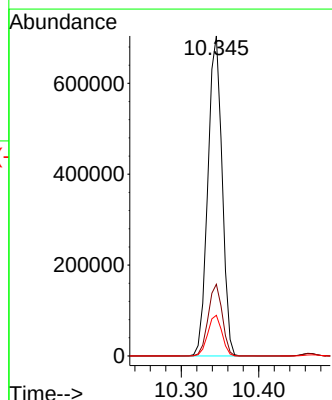
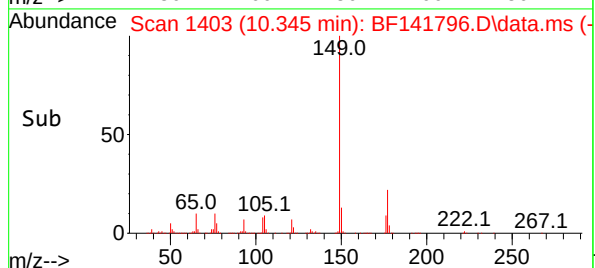
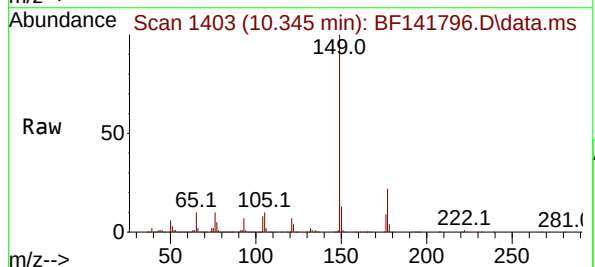
Manual Integrations  
APPROVED

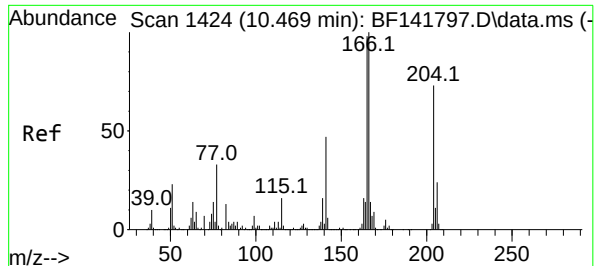
Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025



#60  
Diethylphthalate  
Concen: 21.264 ng  
RT: 10.345 min Scan# 1403  
Delta R.T. -0.006 min  
Lab File: BF141796.D  
Acq: 27 Feb 2025 16:46

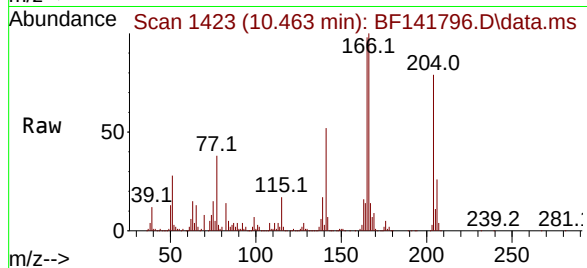
Tgt Ion:149 Resp: 894118  
Ion Ratio Lower Upper  
149 100  
177 22.4 18.3 27.5  
150 12.7 10.3 15.5





#61  
4-Chlorophenyl-phenylether  
Concen: 21.069 ng  
RT: 10.463 min Scan# 1423  
Delta R.T. -0.006 min  
Lab File: BF141796.D  
Acq: 27 Feb 2025 16:46

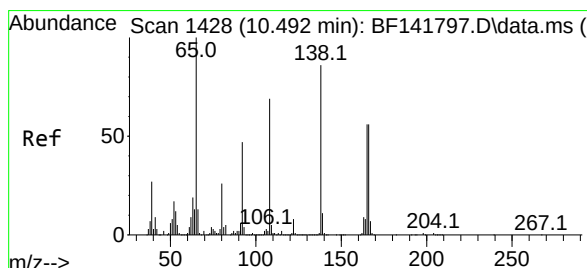
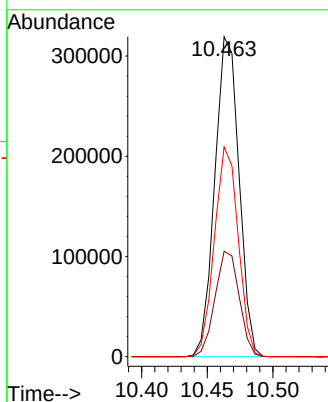
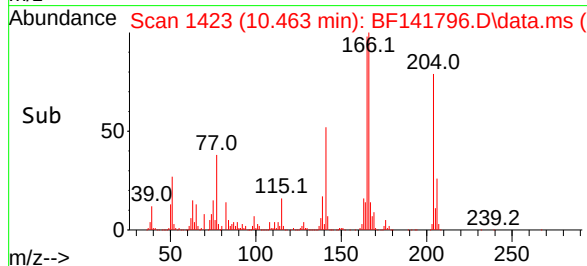
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC020



Tgt Ion:204 Resp: 409697  
Ion Ratio Lower Upper  
204 100  
206 32.9 26.2 39.4  
141 65.6 51.7 77.5

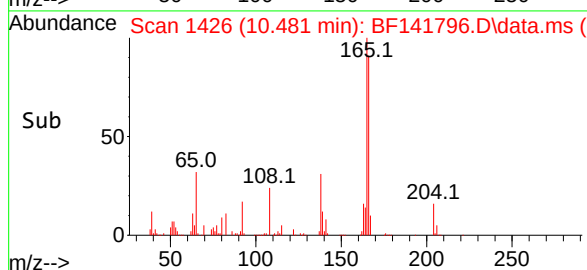
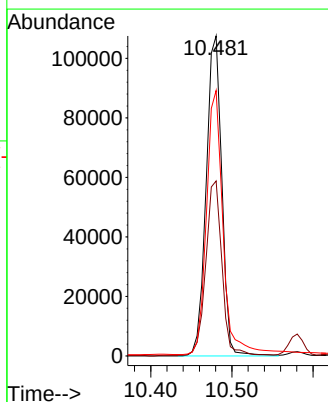
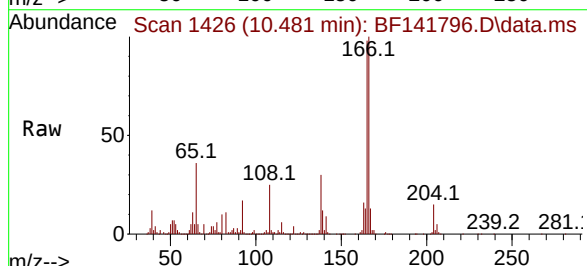
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APPROVED

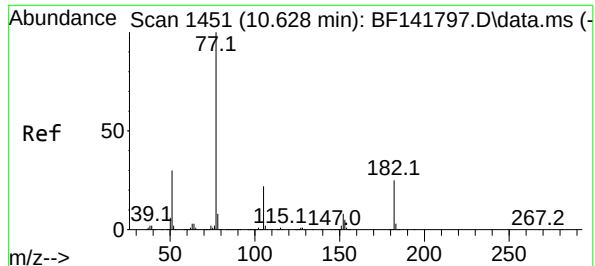
Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025



#62  
4-Nitroaniline  
Concen: 20.031 ng  
RT: 10.481 min Scan# 1426  
Delta R.T. -0.012 min  
Lab File: BF141796.D  
Acq: 27 Feb 2025 16:46

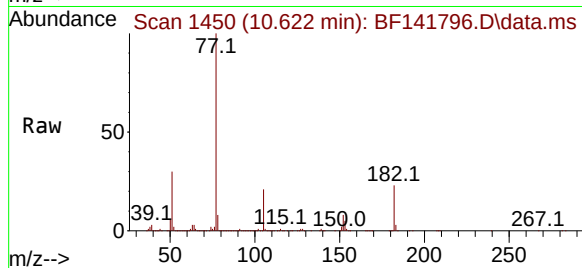
Tgt Ion:138 Resp: 143482  
Ion Ratio Lower Upper  
138 100  
92 54.7 34.9 74.9  
108 82.9 59.6 99.6





#63  
Azobenzene  
Concen: 21.288 ng  
RT: 10.622 min Scan# 1451  
Delta R.T. -0.006 min  
Lab File: BF141796.D  
Acq: 27 Feb 2025 16:46

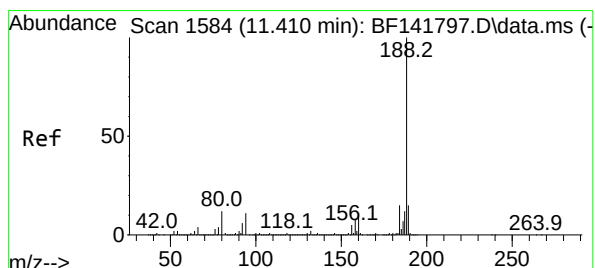
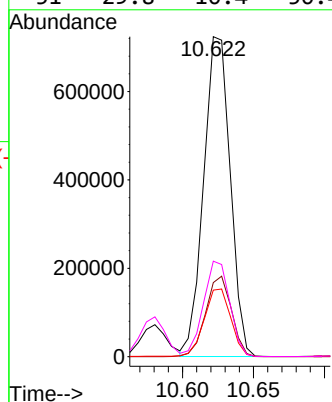
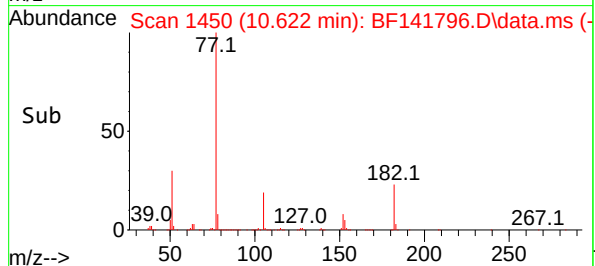
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC020



Tgt Ion: 77 Resp: 942495  
Ion Ratio Lower Upper  
77 100  
182 23.2 4.2 44.2  
105 20.8 1.5 41.5  
51 29.8 10.4 50.4

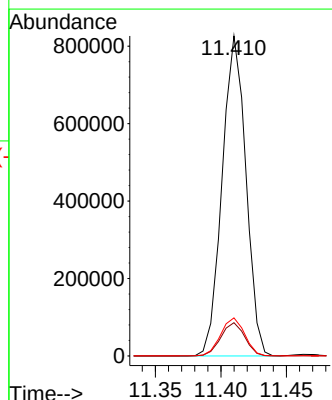
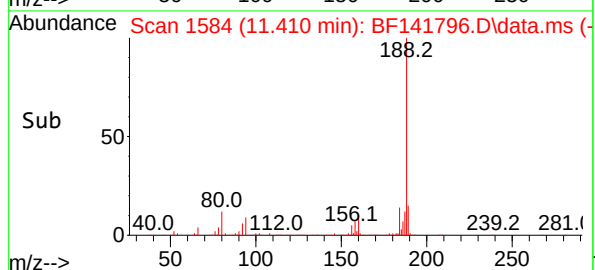
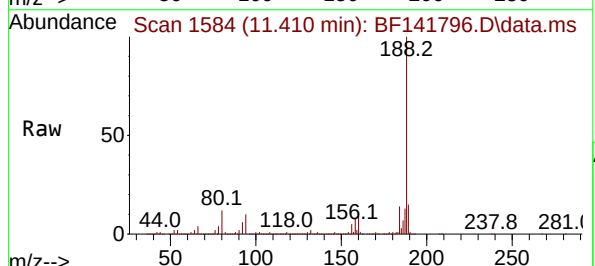
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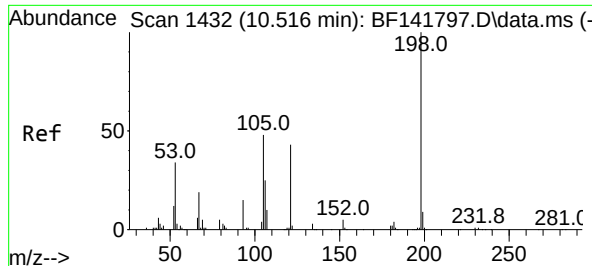
Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.410 min Scan# 1584  
Delta R.T. -0.000 min  
Lab File: BF141796.D  
Acq: 27 Feb 2025 16:46

Tgt Ion:188 Resp: 1041715  
Ion Ratio Lower Upper  
188 100  
94 10.4 8.9 13.3  
80 11.9 9.7 14.5





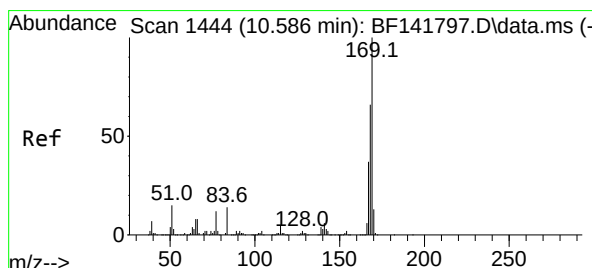
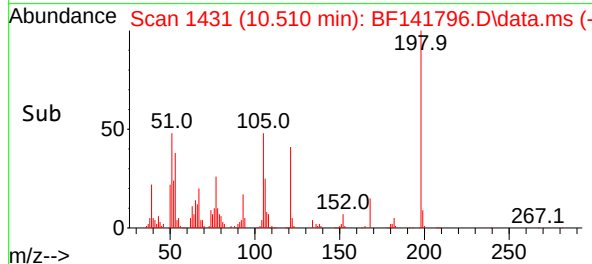
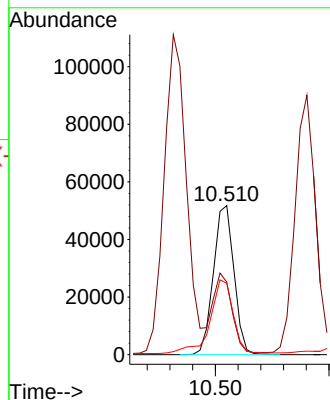
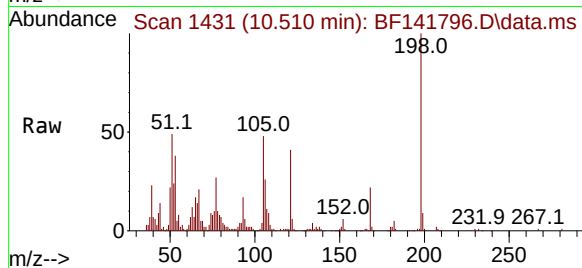
#65  
4,6-Dinitro-2-methylphenol  
Concen: 19.161 ng  
RT: 10.510 min Scan# 1432  
Delta R.T. -0.006 min  
Lab File: BF141796.D  
Acq: 27 Feb 2025 16:46

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC020

Tgt Ion:198 Resp: 6516  
Ion Ratio Lower Upper  
198 100  
51 48.7 32.1 72.1  
105 47.9 28.5 68.5

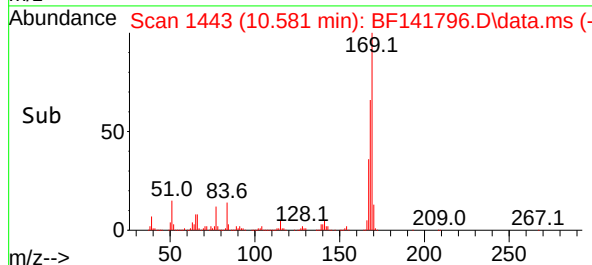
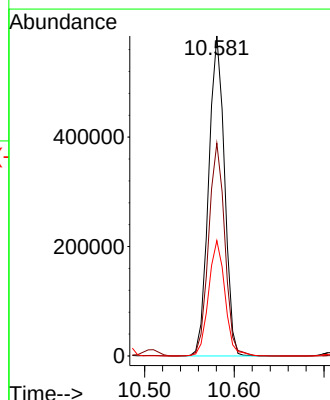
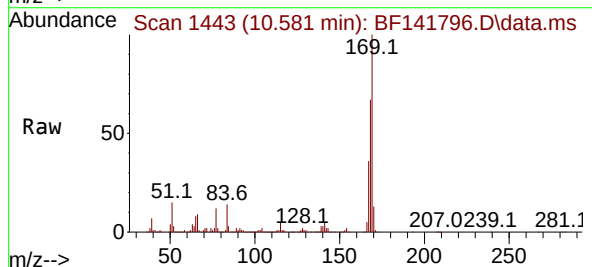
Manual Integrations  
APPROVED

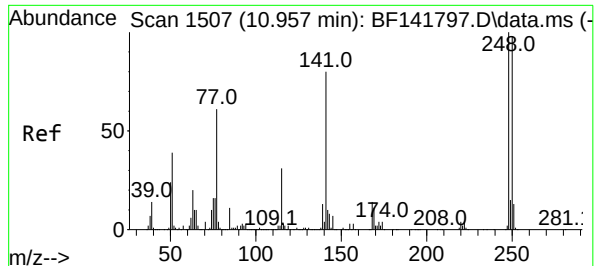
Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025



#66  
n-Nitrosodiphenylamine  
Concen: 20.977 ng  
RT: 10.581 min Scan# 1443  
Delta R.T. -0.006 min  
Lab File: BF141796.D  
Acq: 27 Feb 2025 16:46

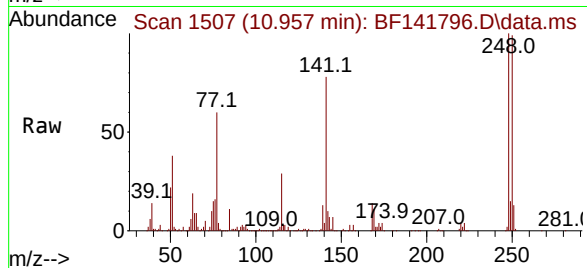
Tgt Ion:169 Resp: 717531  
Ion Ratio Lower Upper  
169 100  
168 66.5 53.0 79.6  
167 36.0 29.3 43.9





#67  
4-Bromophenyl-phenylether  
Concen: 20.423 ng  
RT: 10.957 min Scan# 1507  
Delta R.T. -0.000 min  
Lab File: BF141796.D  
Acq: 27 Feb 2025 16:46

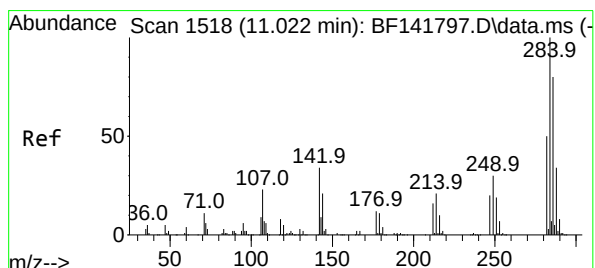
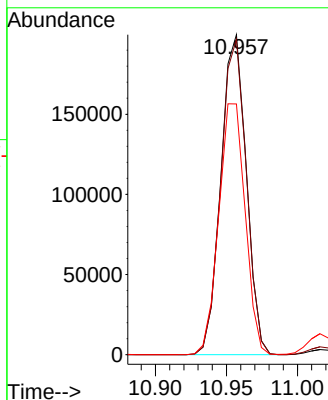
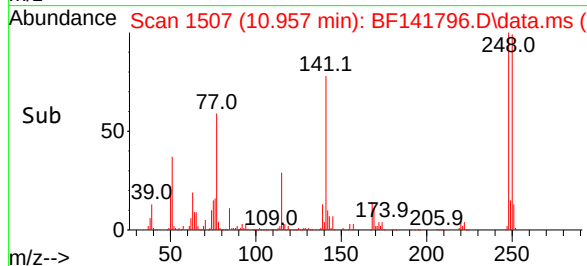
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC020



Tgt Ion:248 Resp: 248500  
Ion Ratio Lower Upper  
248 100  
250 98.6 78.1 117.1  
141 78.3 64.3 96.5

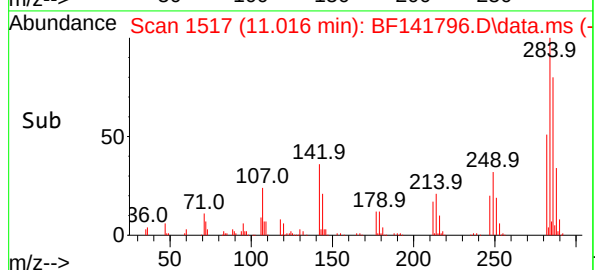
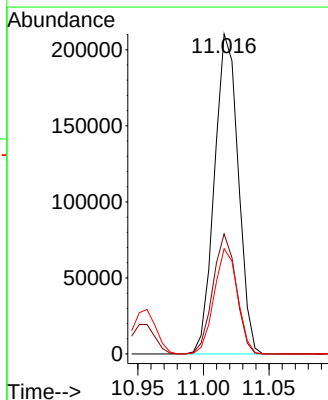
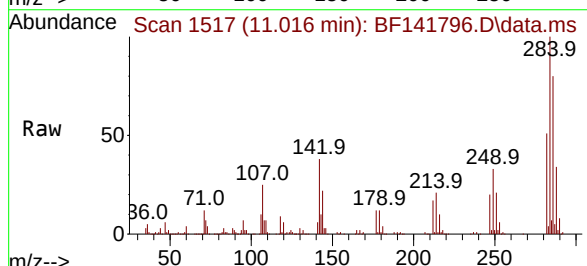
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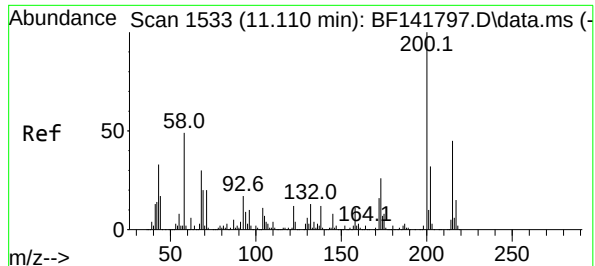
Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025



#68  
Hexachlorobenzene  
Concen: 20.653 ng  
RT: 11.016 min Scan# 1517  
Delta R.T. -0.006 min  
Lab File: BF141796.D  
Acq: 27 Feb 2025 16:46

Tgt Ion:284 Resp: 265367  
Ion Ratio Lower Upper  
284 100  
142 37.5 28.2 42.2  
249 32.9 25.5 38.3





#69

Atrazine

Concen: 21.680 ng

RT: 11.104 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141796.D

Acq: 27 Feb 2025 16:46

Instrument :

BNA\_F

ClientSampleId :

SSTDICC020

Tgt Ion:200 Resp: 203939

Ion Ratio Lower Upper

200 100

173 25.7 5.6 45.6

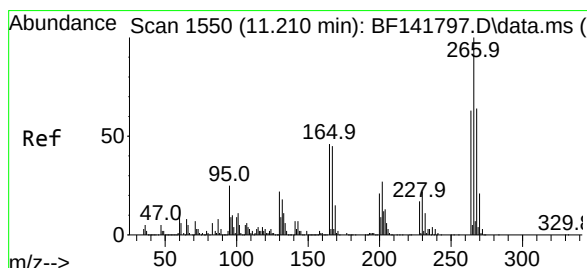
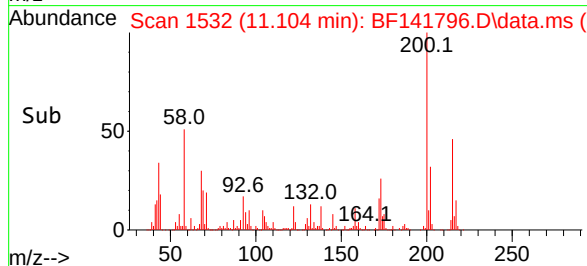
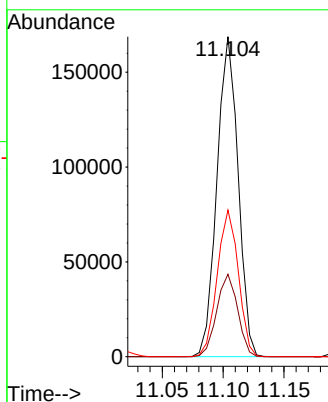
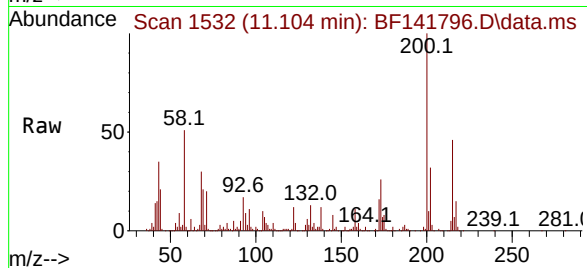
215 45.8 25.3 65.3

Manual Integrations

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Reviewed By :Yogesh Patel 02/28/2025

Supervised By :mohammad ahmed 02/28/2025



#70

Pentachlorophenol

Concen: 20.521 ng

RT: 11.210 min Scan# 1550

Delta R.T. -0.000 min

Lab File: BF141796.D

Acq: 27 Feb 2025 16:46

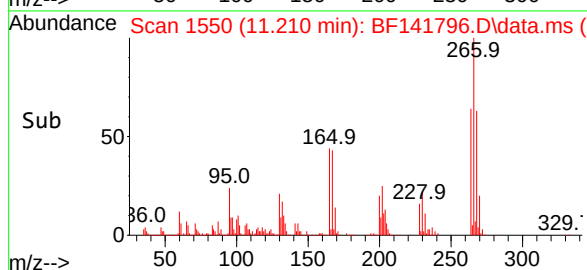
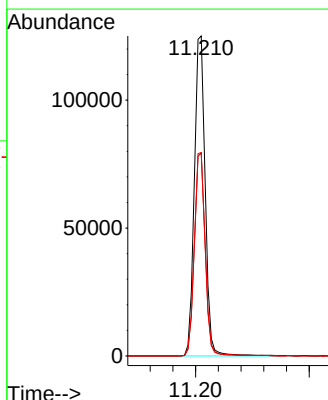
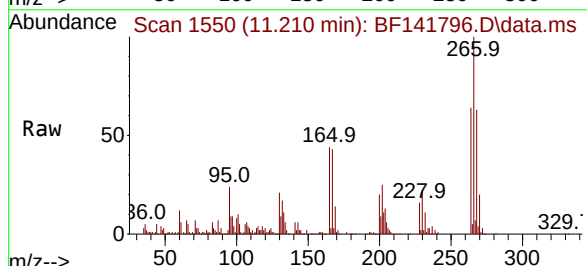
Tgt Ion:266 Resp: 167231

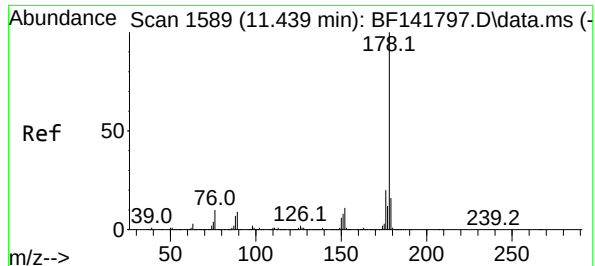
Ion Ratio Lower Upper

266 100

268 63.5 50.9 76.3

264 63.6 50.2 75.4





#71

Phenanthrene

Concen: 21.209 ng

RT: 11.433 min Scan# 1589

Delta R.T. -0.006 min

Lab File: BF141796.D

Acq: 27 Feb 2025 16:46

Instrument :

BNA\_F

ClientSampleId :

SSTDICC020

Tgt Ion:178 Resp: 1181769

Ion Ratio Lower Upper

178 100

176 19.5 16.0 24.0

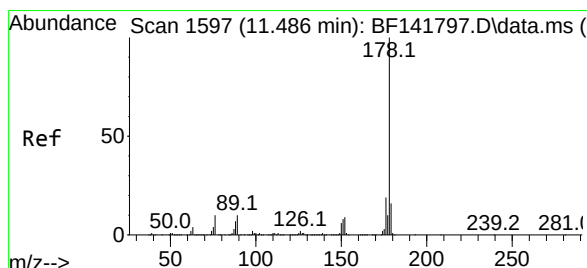
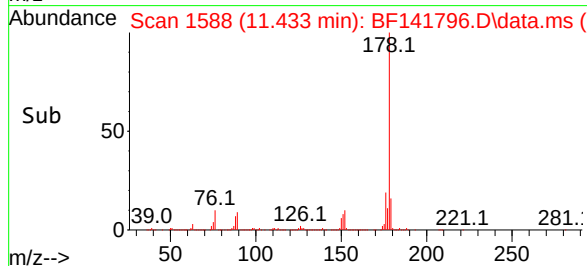
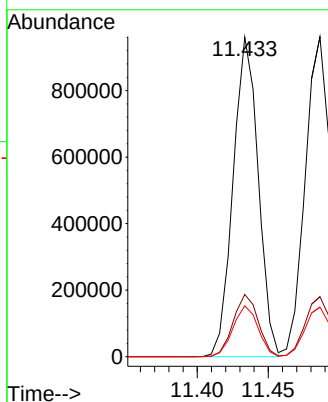
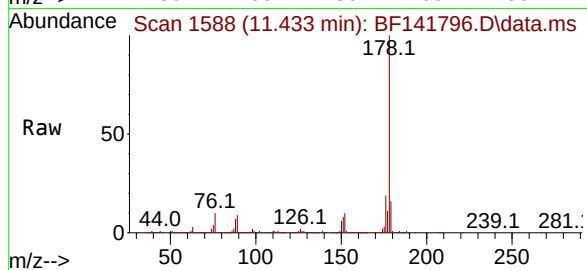
179 15.9 12.6 19.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/28/2025

Supervised By :mohammad ahmed 02/28/2025



#72

Anthracene

Concen: 21.554 ng

RT: 11.486 min Scan# 1597

Delta R.T. -0.000 min

Lab File: BF141796.D

Acq: 27 Feb 2025 16:46

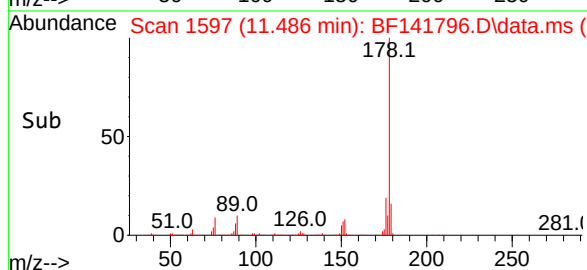
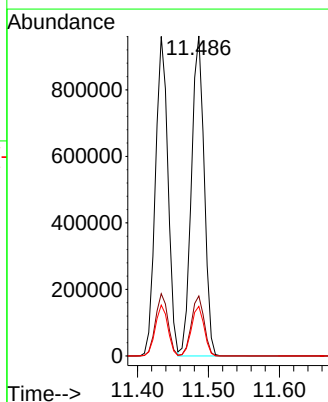
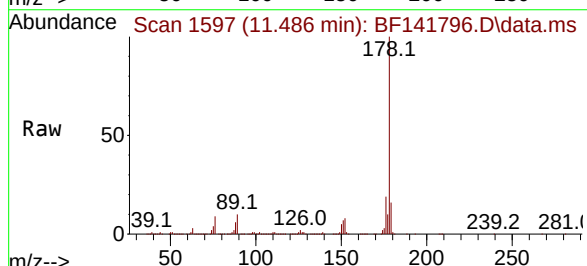
Tgt Ion:178 Resp: 1203701

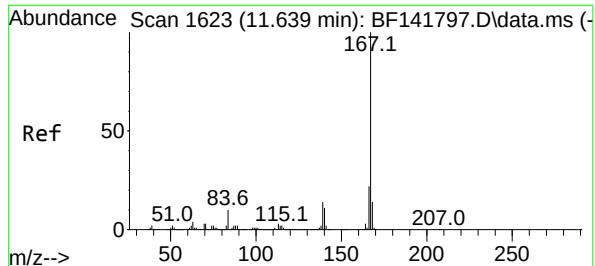
Ion Ratio Lower Upper

178 100

176 18.8 15.4 23.0

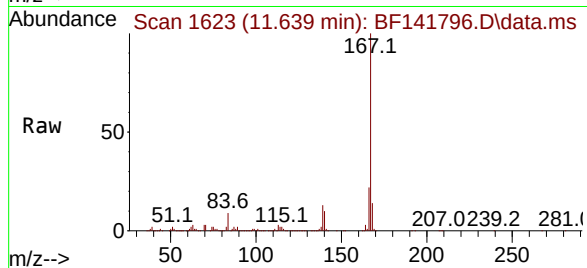
179 15.5 12.8 19.2





#73  
Carbazole  
Concen: 21.416 ng  
RT: 11.639 min Scan# 1623  
Delta R.T. -0.000 min  
Lab File: BF141796.D  
Acq: 27 Feb 2025 16:46

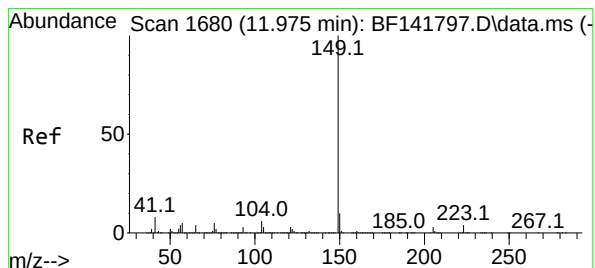
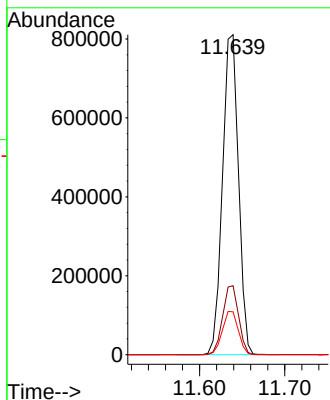
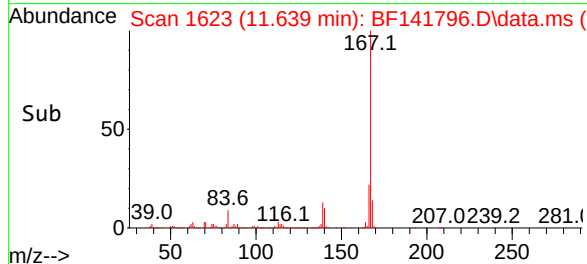
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC020



Tgt Ion:167 Resp: 105614  
Ion Ratio Lower Upper  
167 100  
166 21.6 17.5 26.3  
139 13.4 11.3 16.9

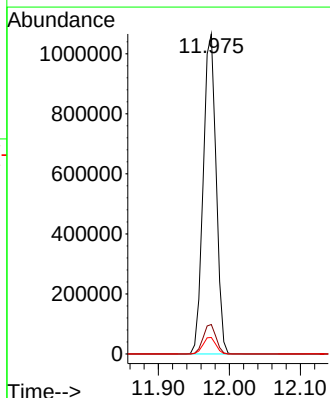
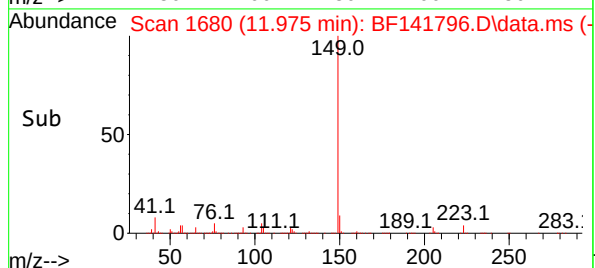
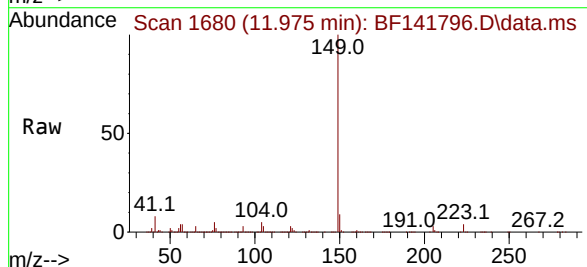
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025

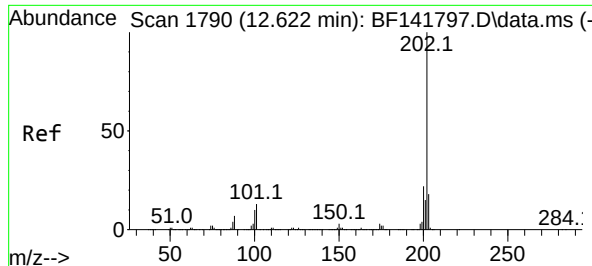


#74  
Di-n-butylphthalate  
Concen: 21.518 ng  
RT: 11.975 min Scan# 1680  
Delta R.T. -0.000 min  
Lab File: BF141796.D  
Acq: 27 Feb 2025 16:46

Tgt Ion:149 Resp: 1345098  
Ion Ratio Lower Upper  
149 100  
150 9.2 7.7 11.5  
104 5.2 4.4 6.6

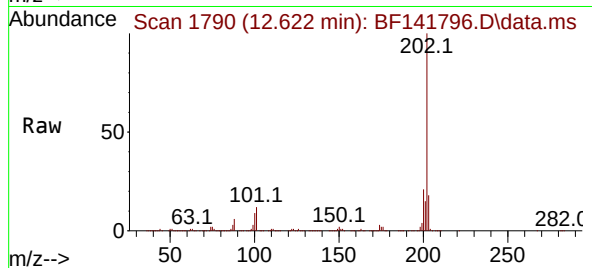






#75  
Fluoranthene  
Concen: 21.753 ng  
RT: 12.622 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BF141796.D  
Acq: 27 Feb 2025 16:46

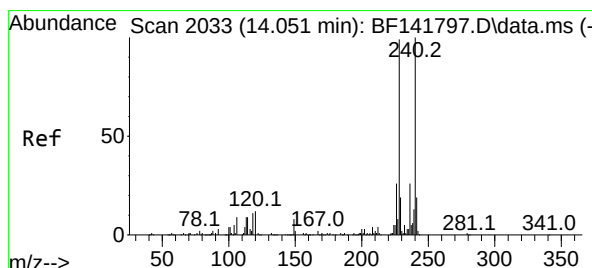
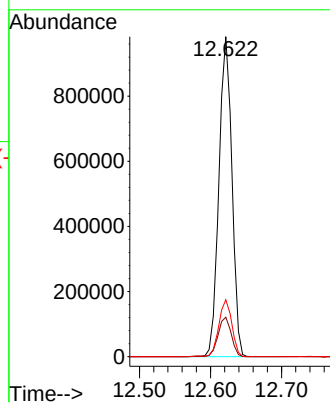
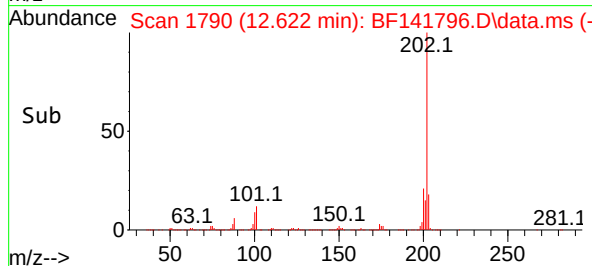
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC020



Tgt Ion:202 Resp: 124203  
Ion Ratio Lower Upper  
202 100  
101 12.3 0.0 32.8  
203 17.8 0.0 38.0

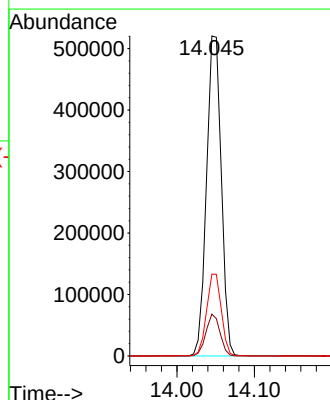
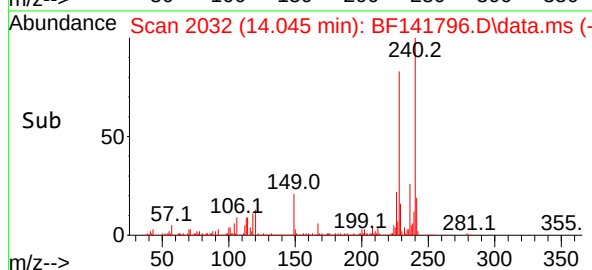
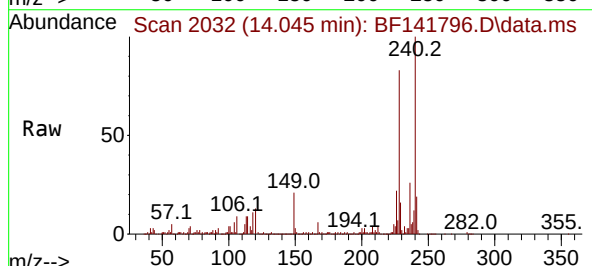
Manual Integrations  
APPROVED

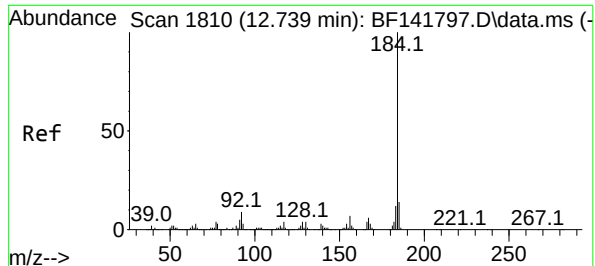
Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.045 min Scan# 2032  
Delta R.T. -0.006 min  
Lab File: BF141796.D  
Acq: 27 Feb 2025 16:46

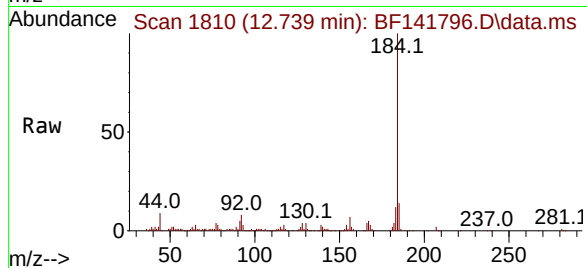
Tgt Ion:240 Resp: 688606  
Ion Ratio Lower Upper  
240 100  
120 13.1 9.7 14.5  
236 25.6 21.0 31.4





#77  
Benzidine  
Concen: 15.752 ng  
RT: 12.739 min Scan# 1810  
Delta R.T. 0.000 min  
Lab File: BF141796.D  
Acq: 27 Feb 2025 16:46

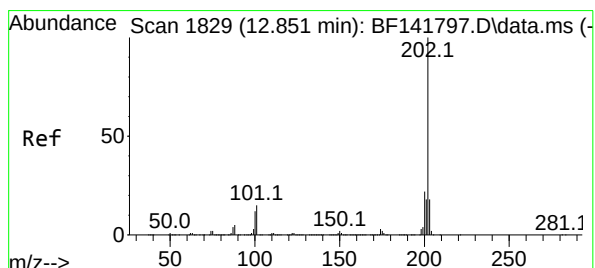
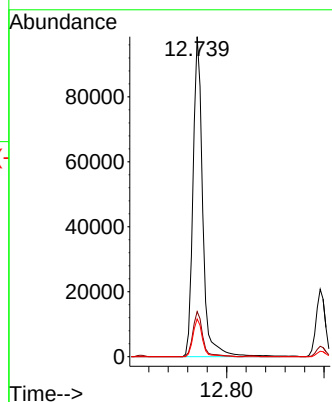
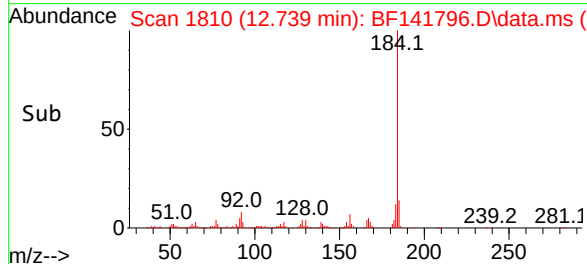
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC020



Tgt Ion:184 Resp: 13652  
Ion Ratio Lower Upper  
184 100  
185 14.1 11.6 17.4  
183 11.8 9.4 14.0

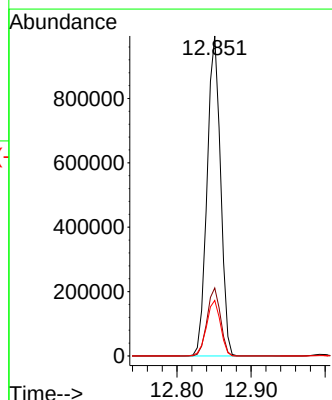
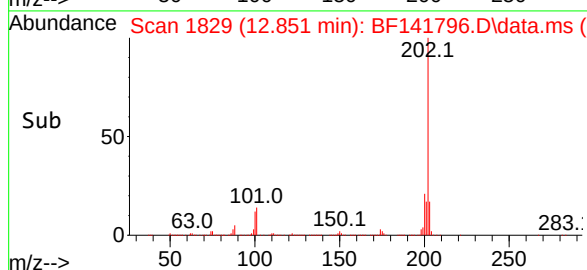
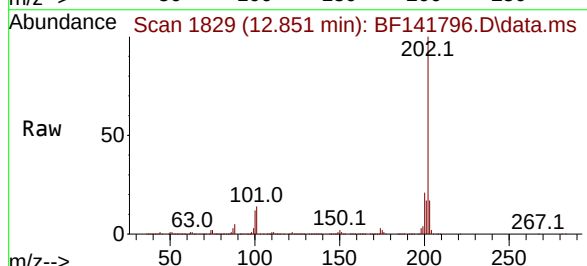
Manual Integrations  
APPROVED

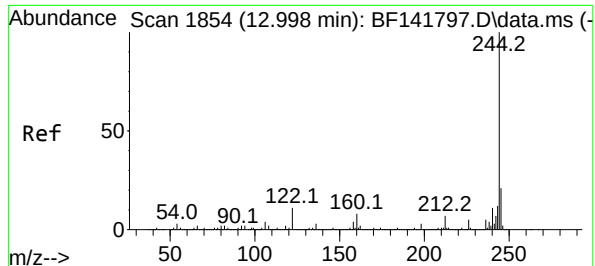
Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025



#78  
Pyrene  
Concen: 20.957 ng  
RT: 12.851 min Scan# 1829  
Delta R.T. -0.000 min  
Lab File: BF141796.D  
Acq: 27 Feb 2025 16:46

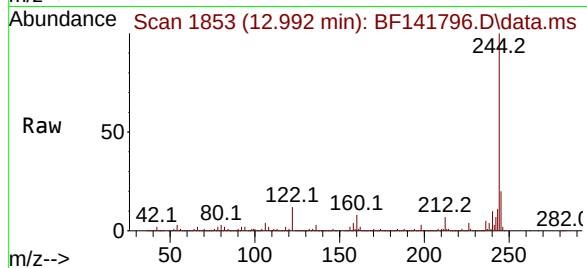
Tgt Ion:202 Resp: 1249647  
Ion Ratio Lower Upper  
202 100  
200 21.3 17.4 26.0  
203 17.4 14.6 22.0





#79  
Terphenyl-d14  
Concen: 41.959 ng  
RT: 12.992 min Scan# 1853  
Delta R.T. -0.006 min  
Lab File: BF141796.D  
Acq: 27 Feb 2025 16:46

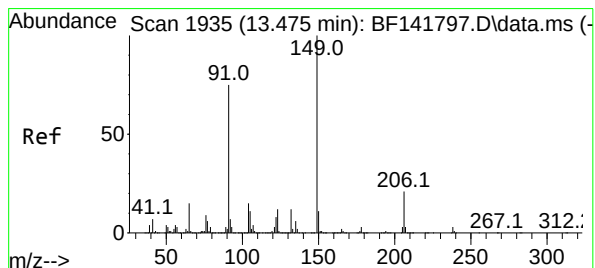
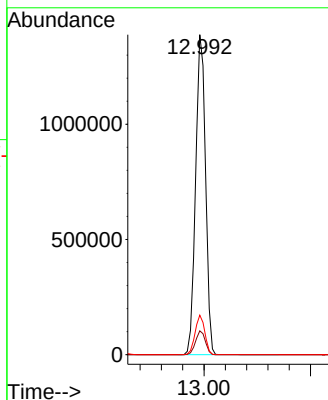
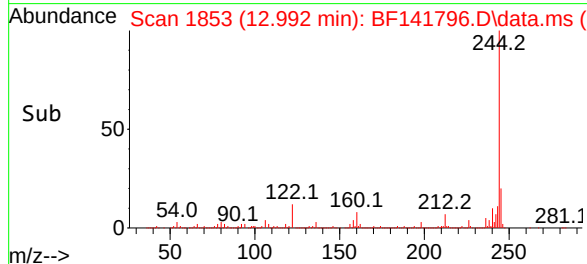
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC020



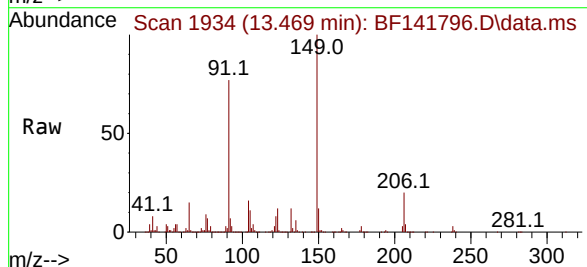
Tgt Ion:244 Resp: 1785800  
Ion Ratio Lower Upper  
244 100  
212 7.4 6.0 9.0  
122 12.4 9.0 13.6

Manual Integrations  
APPROVED

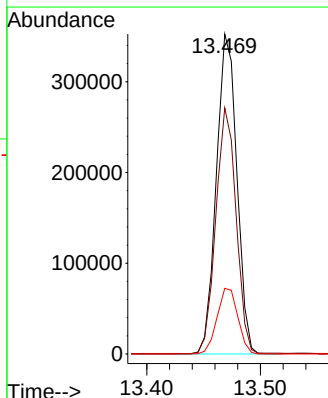
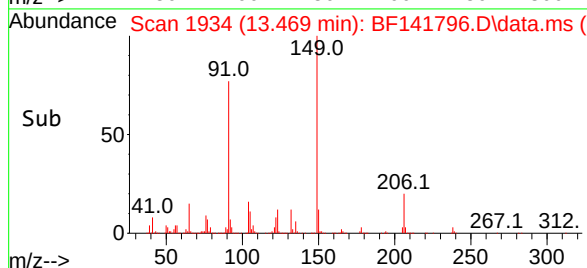
Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025

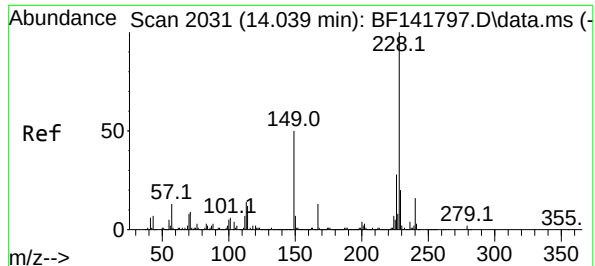


#80  
Butylbenzylphthalate  
Concen: 20.434 ng  
RT: 13.469 min Scan# 1934  
Delta R.T. -0.006 min  
Lab File: BF141796.D  
Acq: 27 Feb 2025 16:46



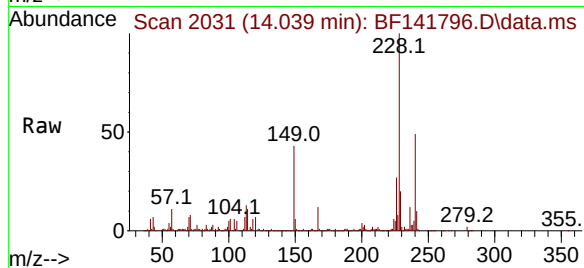
Tgt Ion:149 Resp: 442702  
Ion Ratio Lower Upper  
149 100  
91 76.9 60.1 90.1  
206 20.5 16.8 25.2





#81  
Benzo(a)anthracene  
Concen: 20.956 ng  
RT: 14.039 min Scan# 2031  
Delta R.T. -0.000 min  
Lab File: BF141796.D  
Acq: 27 Feb 2025 16:46

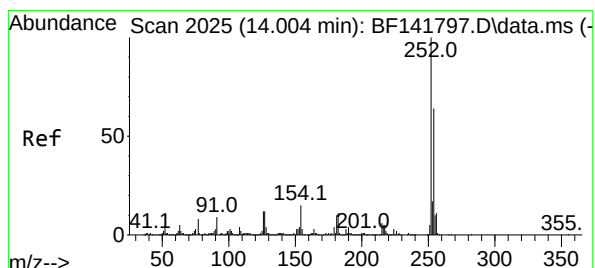
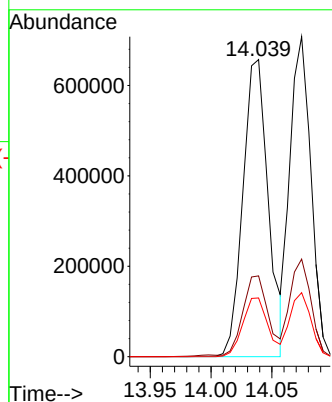
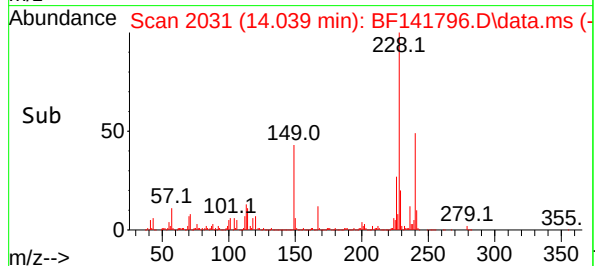
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC020



Tgt Ion:228 Resp: 953140  
Ion Ratio Lower Upper  
228 100  
226 27.2 22.1 33.1  
229 19.8 16.1 24.1

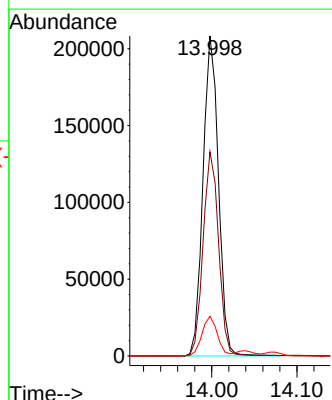
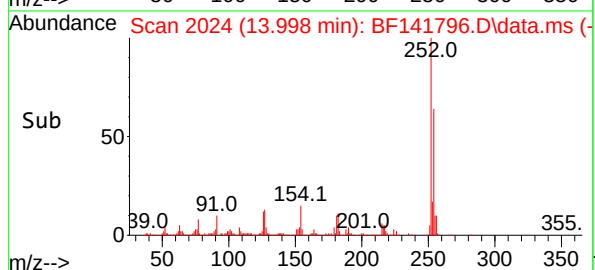
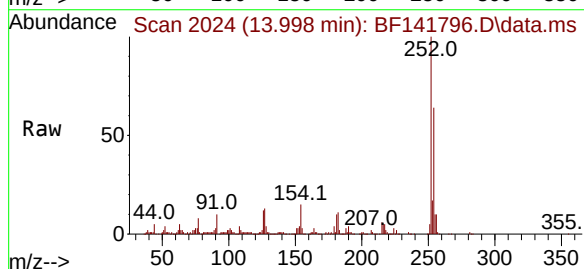
Manual Integrations  
APPROVED

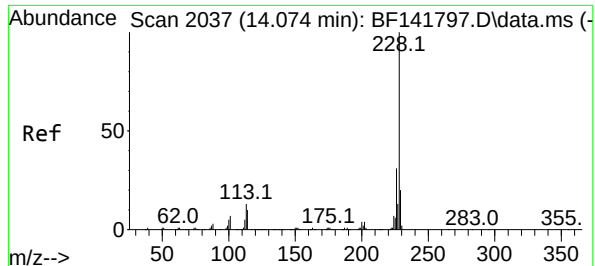
Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025



#82  
3,3'-Dichlorobenzidine  
Concen: 20.132 ng  
RT: 13.998 min Scan# 2024  
Delta R.T. -0.006 min  
Lab File: BF141796.D  
Acq: 27 Feb 2025 16:46

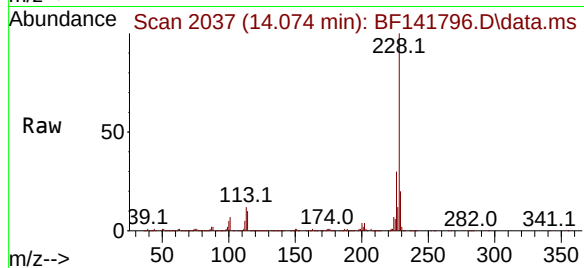
Tgt Ion:252 Resp: 262708  
Ion Ratio Lower Upper  
252 100  
254 63.8 51.4 77.0  
126 12.4 9.8 14.6





#83  
Chrysene  
Concen: 20.288 ng  
RT: 14.074 min Scan# 2037  
Delta R.T. -0.000 min  
Lab File: BF141796.D  
Acq: 27 Feb 2025 16:46

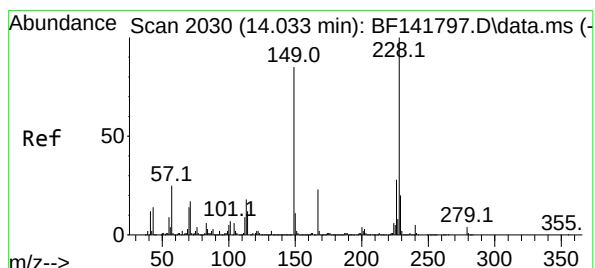
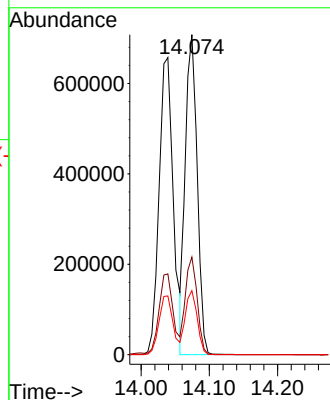
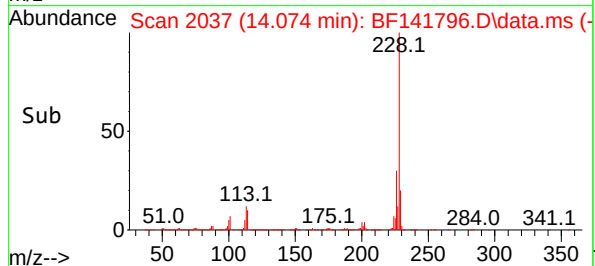
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC020



Tgt Ion:228 Resp: 85064  
Ion Ratio Lower Upper  
228 100  
226 30.5 24.6 37.0  
229 20.0 16.1 24.1

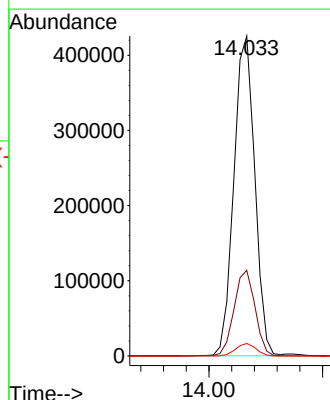
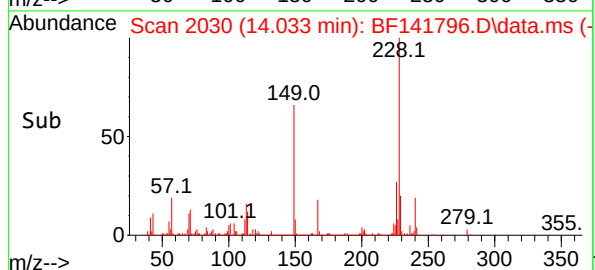
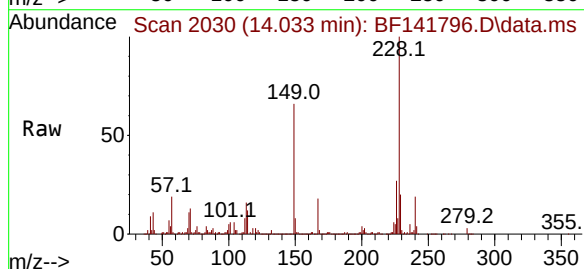
Manual Integrations  
APPROVED

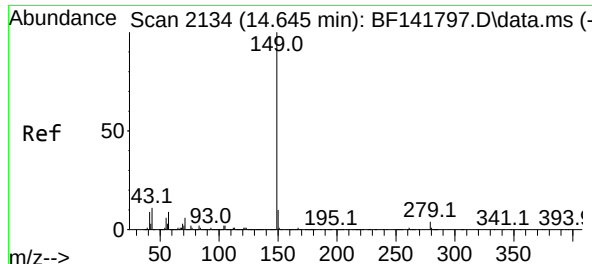
Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025



#84  
Bis(2-ethylhexyl)phthalate  
Concen: 20.122 ng  
RT: 14.033 min Scan# 2030  
Delta R.T. -0.000 min  
Lab File: BF141796.D  
Acq: 27 Feb 2025 16:46

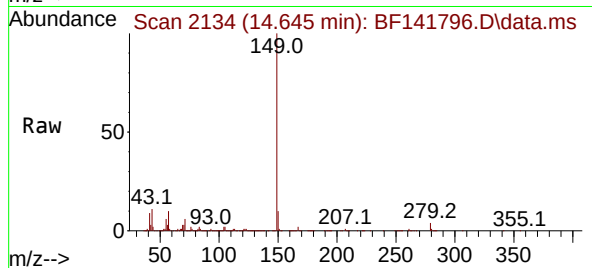
Tgt Ion:149 Resp: 542812  
Ion Ratio Lower Upper  
149 100  
167 26.7 21.2 31.8  
279 3.9 3.3 4.9





#85  
Di-n-octyl phthalate  
Concen: 18.910 ng  
RT: 14.645 min Scan# 2134  
Delta R.T. -0.000 min  
Lab File: BF141796.D  
Acq: 27 Feb 2025 16:46

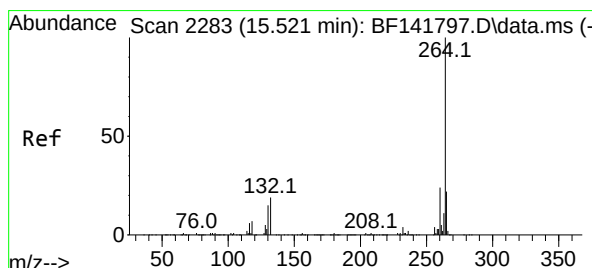
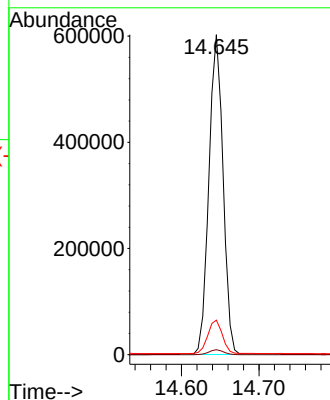
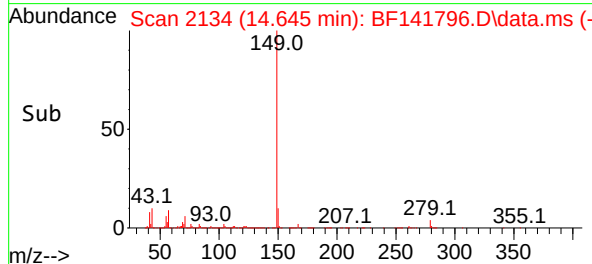
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC020



Tgt Ion:149 Resp: 76368  
Ion Ratio Lower Upper  
149 100  
167 1.6 1.2 1.8  
43 10.7 8.6 12.8

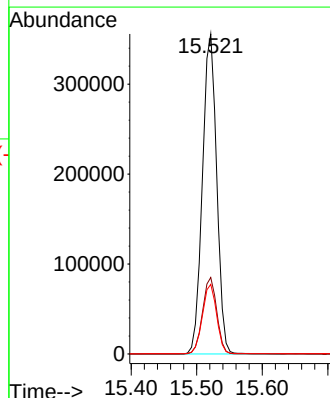
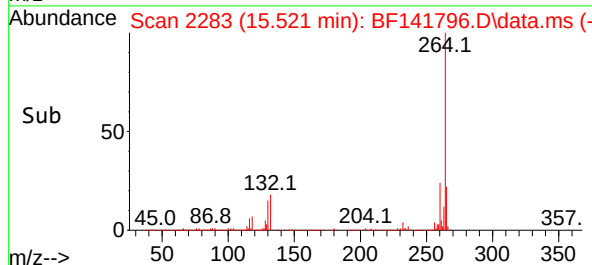
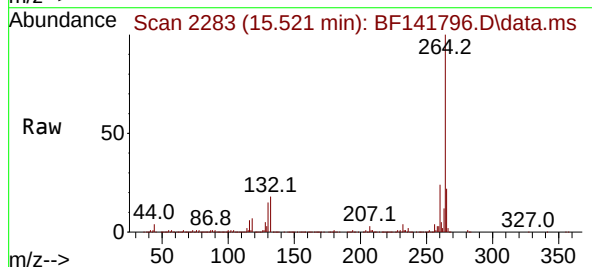
Manual Integrations  
APPROVED

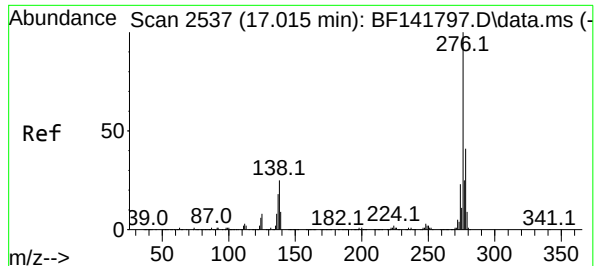
Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.521 min Scan# 2283  
Delta R.T. -0.000 min  
Lab File: BF141796.D  
Acq: 27 Feb 2025 16:46

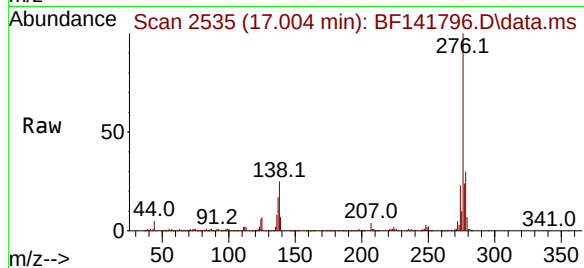
Tgt Ion:264 Resp: 539147  
Ion Ratio Lower Upper  
264 100  
260 23.9 18.9 28.3  
265 21.7 17.4 26.0





#87  
Indeno(1,2,3-cd)pyrene  
Concen: 19.480 ng  
RT: 17.004 min Scan# 2109  
Delta R.T. -0.012 min  
Lab File: BF141796.D  
Acq: 27 Feb 2025 16:46

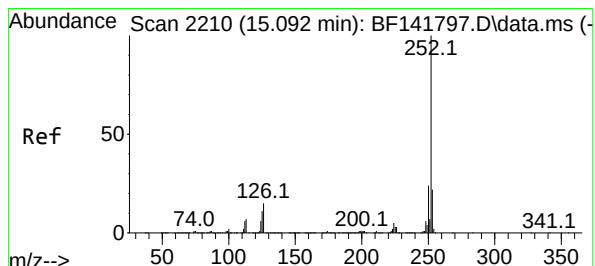
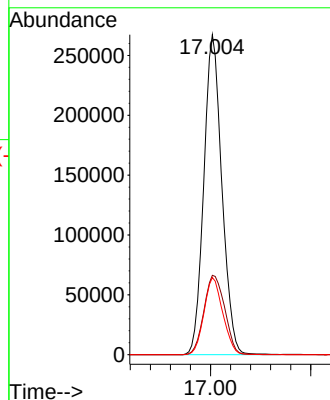
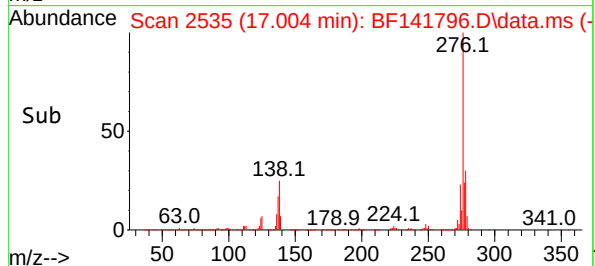
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC020



Tgt Ion:276 Resp: 668777  
Ion Ratio Lower Upper  
276 100  
138 28.5 22.5 33.7  
277 25.1 20.3 30.5

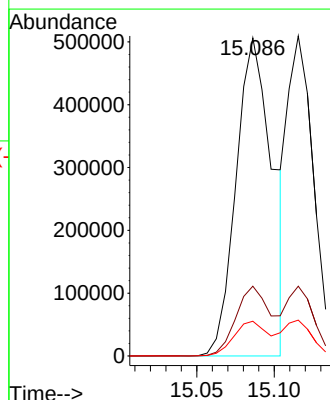
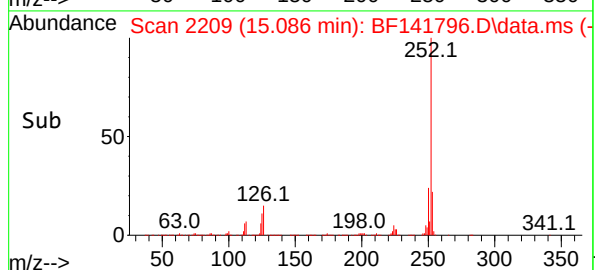
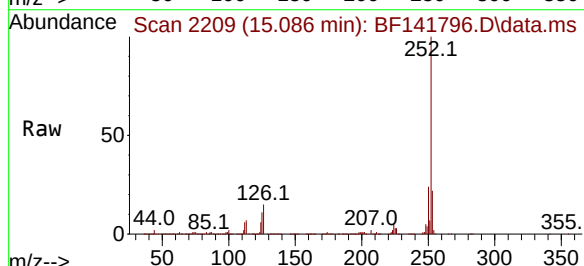
Manual Integrations  
APPROVED

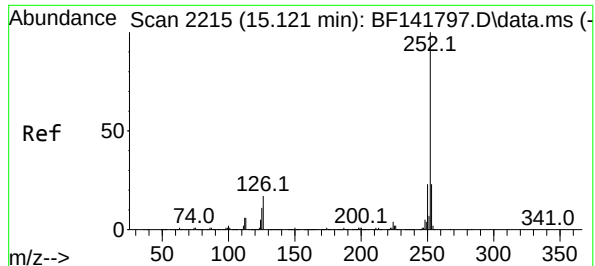
Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025



#88  
Benzo(b)fluoranthene  
Concen: 22.501 ng  
RT: 15.086 min Scan# 2209  
Delta R.T. -0.006 min  
Lab File: BF141796.D  
Acq: 27 Feb 2025 16:46

Tgt Ion:252 Resp: 826369  
Ion Ratio Lower Upper  
252 100  
253 21.9 17.7 26.5  
125 10.9 8.6 13.0





#89

Benzo(k)fluoranthene

Concen: 18.973 ng

RT: 15.116 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF141796.D

Acq: 27 Feb 2025 16:46

Instrument :

BNA\_F

ClientSampleId :

SSTDICC020

Tgt Ion:252 Resp: 592250

Ion Ratio Lower Upper

252 100

253 21.8 17.8 26.8

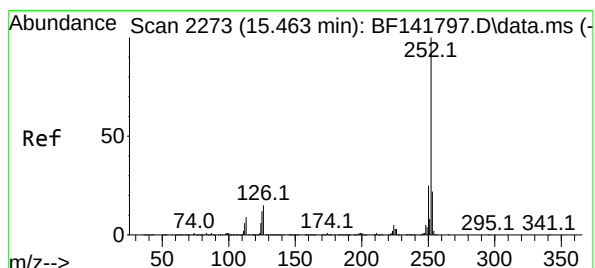
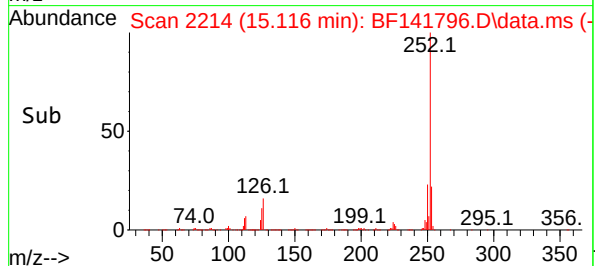
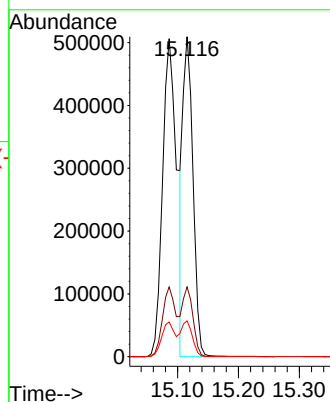
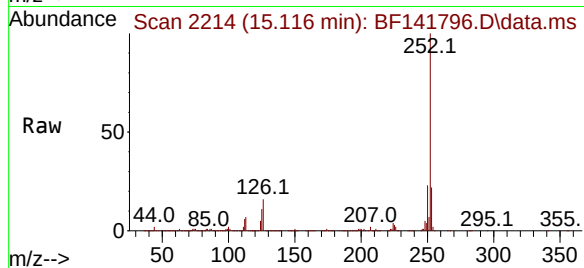
125 11.2 8.8 13.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/28/2025

Supervised By :mohammad ahmed 02/28/2025



#90

Benzo(a)pyrene

Concen: 20.740 ng

RT: 15.457 min Scan# 2272

Delta R.T. -0.006 min

Lab File: BF141796.D

Acq: 27 Feb 2025 16:46

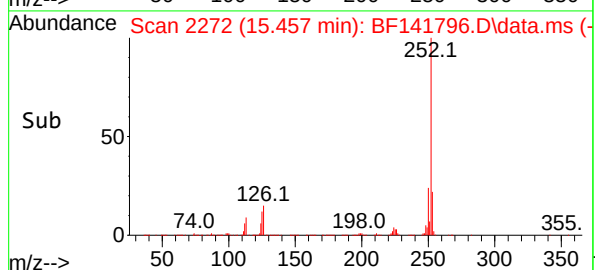
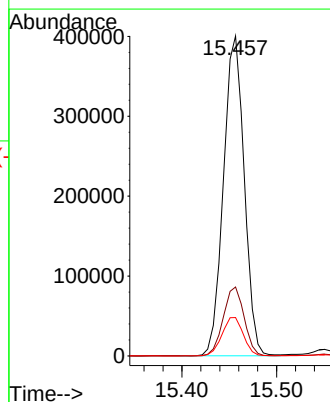
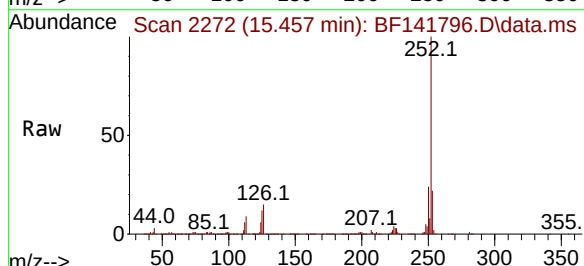
Tgt Ion:252 Resp: 610871

Ion Ratio Lower Upper

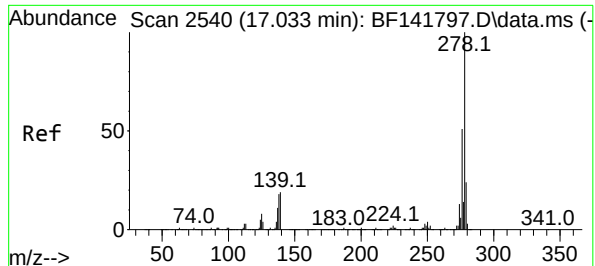
252 100

253 21.5 17.5 26.3

125 12.0 9.4 14.2

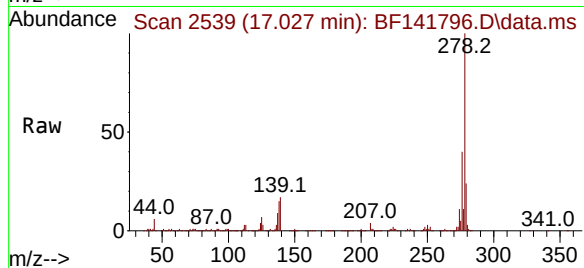






#91  
Dibenzo(a,h)anthracene  
Concen: 19.724 ng  
RT: 17.027 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: BF141796.D  
Acq: 27 Feb 2025 16:46

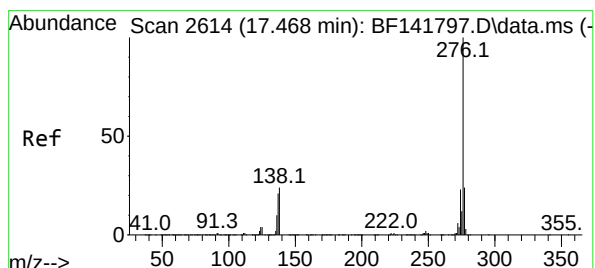
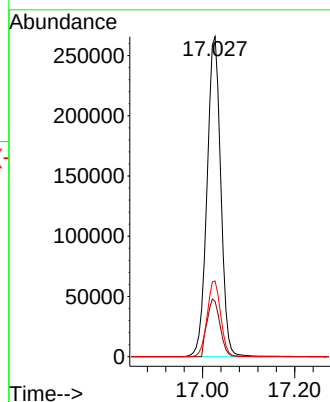
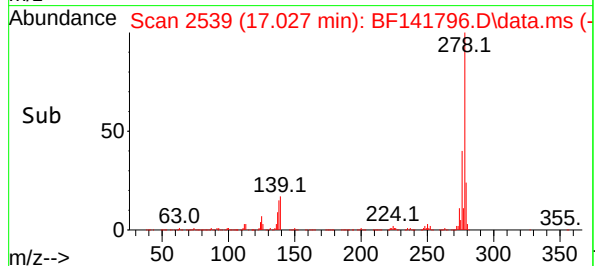
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC020



Tgt Ion:278 Resp: 552725  
Ion Ratio Lower Upper  
278 100  
139 17.3 14.9 22.3  
279 23.7 19.3 28.9

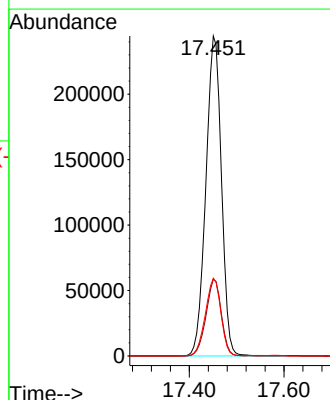
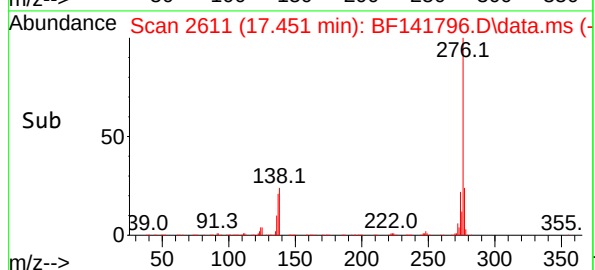
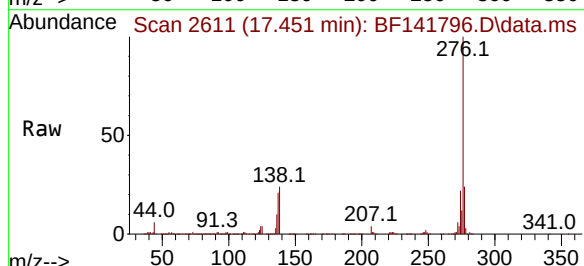
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025



#92  
Benzo(g,h,i)perylene  
Concen: 19.426 ng  
RT: 17.451 min Scan# 2611  
Delta R.T. -0.018 min  
Lab File: BF141796.D  
Acq: 27 Feb 2025 16:46

Tgt Ion:276 Resp: 557705  
Ion Ratio Lower Upper  
276 100  
277 24.0 19.4 29.0  
138 24.3 19.3 28.9



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF022725\  
 Data File : BF141797.D  
 Acq On : 27 Feb 2025 17:16  
 Operator : RC/JU  
 Sample : SSTDICCC040  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDICCC040

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 02/28/2025  
 Supervised By :mohammad ahmed 02/28/2025

Quant Time: Feb 28 01:25:43 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF022725.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Feb 28 01:19:57 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.893  | 152  | 288066   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.175  | 136  | 1155717  | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.928  | 164  | 625246   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.410 | 188  | 1031875  | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 14.051 | 240  | 629307   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12              | 15.521 | 264  | 567240   | 20.000 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.499  | 112  | 1481716  | 82.144 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.510  | 99   | 1940706  | 82.660 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.451  | 82   | 1577764  | 87.263 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.716 | 330  | 498702   | 84.959 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.245  | 172  | 3094072  | 79.348 | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.998 | 244  | 3170442  | 81.511 | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.687  | 88   | 343299   | 41.944 | ng    | 100      |
| 3) Pyridine                   | 3.452  | 79   | 850494   | 41.764 | ng    | 100      |
| 4) n-Nitrosodimethylamine     | 3.405  | 42   | 420465   | 42.911 | ng    | 100      |
| 6) Aniline                    | 6.557  | 93   | 1042452  | 42.941 | ng    | 100      |
| 8) 2-Chlorophenol             | 6.675  | 128  | 813316   | 41.681 | ng    | 100      |
| 9) Benzaldehyde               | 6.440  | 77   | 565698   | 41.423 | ng    | 100      |
| 10) Phenol                    | 6.522  | 94   | 1048185  | 41.904 | ng    | 100      |
| 11) bis(2-Chloroethyl)ether   | 6.628  | 93   | 771641   | 40.349 | ng    | 100      |
| 12) 1,3-Dichlorobenzene       | 6.834  | 146  | 866494   | 41.465 | ng    | 100      |
| 13) 1,4-Dichlorobenzene       | 6.910  | 146  | 871351   | 41.384 | ng    | 100      |
| 14) 1,2-Dichlorobenzene       | 7.063  | 146  | 807407   | 41.065 | ng    | 100      |
| 15) Benzyl Alcohol            | 7.028  | 79   | 787264   | 41.957 | ng    | 100      |
| 16) 2,2'-oxybis(1-Chloropr... | 7.163  | 45   | 1197610  | 41.236 | ng    | 100      |
| 17) 2-Methylphenol            | 7.134  | 107  | 670597   | 41.635 | ng    | 100      |
| 18) Hexachloroethane          | 7.404  | 117  | 332747   | 42.223 | ng    | 100      |
| 19) n-Nitroso-di-n-propyla... | 7.304  | 70   | 626390   | 40.586 | ng    | 100      |
| 20) 3+4-Methylphenols         | 7.287  | 107  | 830533   | 41.411 | ng    | 100      |
| 22) Acetophenone              | 7.298  | 105  | 1147737  | 40.776 | ng    | 100      |
| 24) Nitrobenzene              | 7.475  | 77   | 839887   | 43.379 | ng    | 100      |
| 25) Isophorone                | 7.710  | 82   | 1575854  | 40.569 | ng    | 100      |
| 26) 2-Nitrophenol             | 7.787  | 139  | 332584   | 39.357 | ng    | 100      |
| 27) 2,4-Dimethylphenol        | 7.816  | 122  | 588158   | 41.191 | ng    | 100      |
| 28) bis(2-Chloroethoxy)met... | 7.922  | 93   | 1006606  | 40.624 | ng    | 100      |
| 29) 2,4-Dichlorophenol        | 8.022  | 162  | 688860   | 41.819 | ng    | 100      |
| 30) 1,2,4-Trichlorobenzene    | 8.110  | 180  | 737573   | 40.863 | ng    | 100      |
| 31) Naphthalene               | 8.193  | 128  | 2410915  | 40.588 | ng    | 100      |
| 32) Benzoic acid              | 7.934  | 122  | 442477   | 38.870 | ng    | 100      |
| 33) 4-Chloroaniline           | 8.240  | 127  | 877082   | 40.271 | ng    | 100      |
| 34) Hexachlorobutadiene       | 8.310  | 225  | 459338   | 40.952 | ng    | 100      |
| 35) Caprolactam               | 8.610  | 113  | 211331m  | 41.695 | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 8.710  | 107  | 752961   | 41.148 | ng    | 100      |
| 37) 2-Methylnaphthalene       | 8.881  | 142  | 1565422  | 40.179 | ng    | 100      |
| 38) 1-Methylnaphthalene       | 8.981  | 142  | 1506039  | 40.286 | ng    | 100      |
| 40) 1,2,4,5-Tetrachloroben... | 9.045  | 216  | 736508   | 40.786 | ng    | 100      |
| 41) Hexachlorocyclopentadiene | 9.040  | 237  | 323162   | 42.882 | ng    | 100      |
| 43) 2,4,6-Trichlorophenol     | 9.157  | 196  | 497182   | 42.623 | ng    | 100      |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF022725\  
 Data File : BF141797.D  
 Acq On : 27 Feb 2025 17:16  
 Operator : RC/JU  
 Sample : SSTDICCC040  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDICCC040

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 02/28/2025  
 Supervised By :mohammad ahmed 02/28/2025

Quant Time: Feb 28 01:25:43 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF022725.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Feb 28 01:19:57 2025  
 Response via : Initial Calibration

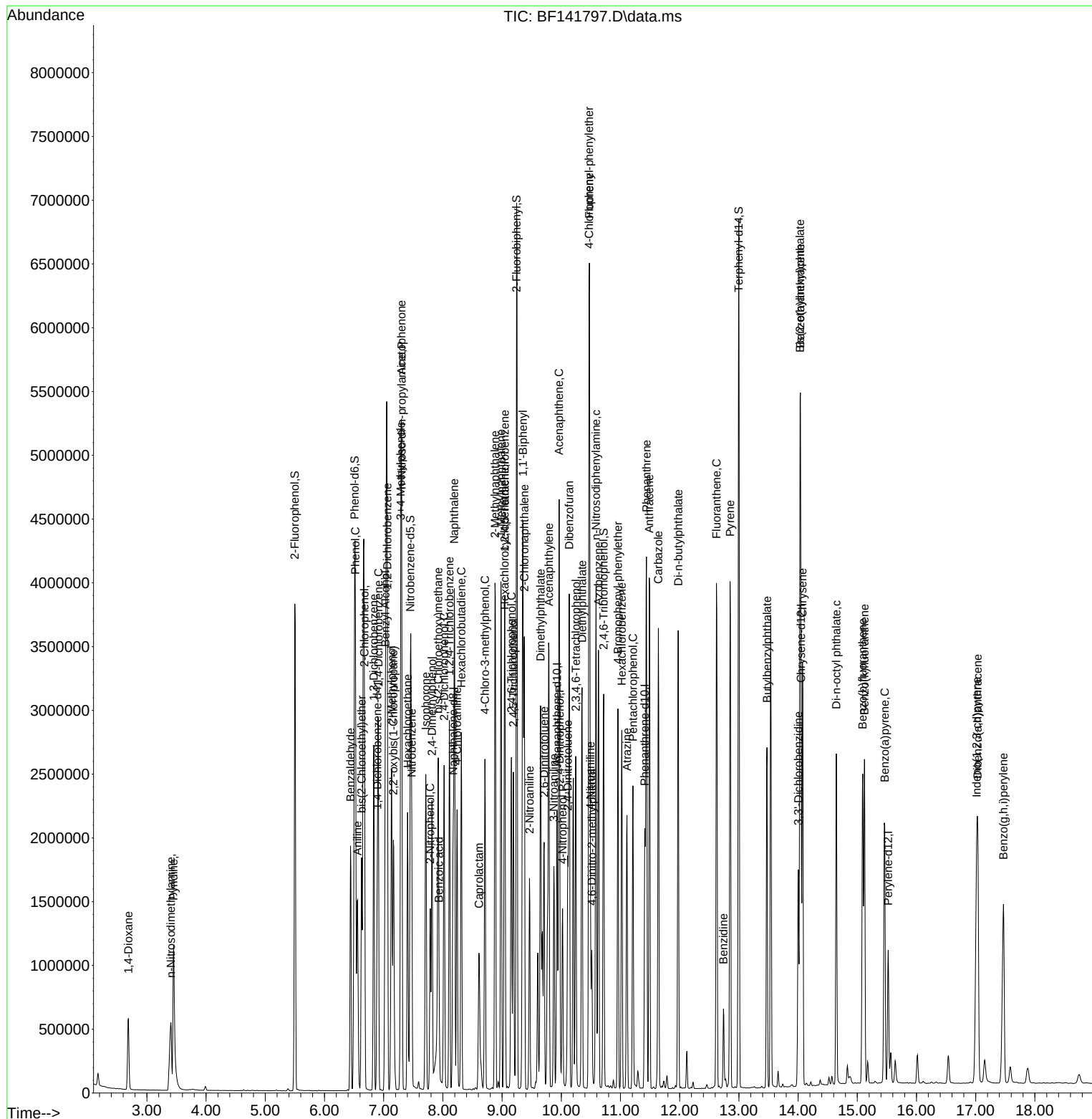
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.192  | 196  | 478749   | 41.448 | ng    | 100      |
| 46) 1,1'-Biphenyl             | 9.351  | 154  | 1899694  | 39.917 | ng    | 100      |
| 47) 2-Chloronaphthalene       | 9.375  | 162  | 1419149  | 40.402 | ng    | 100      |
| 48) 2-Nitroaniline            | 9.463  | 65   | 375120   | 39.827 | ng    | 100      |
| 49) Acenaphthylene            | 9.792  | 152  | 2139722  | 40.629 | ng    | 100      |
| 50) Dimethylphthalate         | 9.651  | 163  | 1704601  | 40.710 | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 9.710  | 165  | 321129   | 40.557 | ng    | 100      |
| 52) Acenaphthene              | 9.963  | 154  | 1437821  | 40.461 | ng    | 100      |
| 53) 3-Nitroaniline            | 9.875  | 138  | 346294   | 41.045 | ng    | 100      |
| 54) 2,4-Dinitrophenol         | 9.975  | 184  | 115933   | 39.874 | ng    | 100      |
| 55) Dibenzofuran              | 10.134 | 168  | 2079139  | 40.198 | ng    | 100      |
| 56) 4-Nitrophenol             | 10.022 | 139  | 285537   | 46.172 | ng    | 100      |
| 57) 2,4-Dinitrotoluene        | 10.110 | 165  | 391858   | 40.635 | ng    | 100      |
| 58) Fluorene                  | 10.475 | 166  | 1536139  | 39.650 | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol | 10.245 | 232  | 424277   | 42.235 | ng    | 100      |
| 60) Diethylphthalate          | 10.351 | 149  | 1729522  | 41.203 | ng    | 100      |
| 61) 4-Chlorophenyl-phenyle... | 10.469 | 204  | 775274   | 39.939 | ng    | 100      |
| 62) 4-Nitroaniline            | 10.492 | 138  | 333830   | 46.685 | ng    | 100      |
| 63) Azobenzene                | 10.628 | 77   | 1796906  | 40.657 | ng    | 100      |
| 65) 4,6-Dinitro-2-methylph... | 10.516 | 198  | 179018   | 38.731 | ng    | 100      |
| 66) n-Nitrosodiphenylamine    | 10.586 | 169  | 1371761  | 40.485 | ng    | 100      |
| 67) 4-Bromophenyl-phenylether | 10.957 | 248  | 490816   | 40.722 | ng    | 100      |
| 68) Hexachlorobenzene         | 11.022 | 284  | 518266   | 40.721 | ng    | 100      |
| 69) Atrazine                  | 11.110 | 200  | 369439   | 39.649 | ng    | 100      |
| 70) Pentachlorophenol         | 11.210 | 266  | 347791   | 43.086 | ng    | 100      |
| 71) Phenanthrene              | 11.439 | 178  | 2214957  | 40.130 | ng    | 100      |
| 72) Anthracene                | 11.486 | 178  | 2204147  | 39.845 | ng    | 100      |
| 73) Carbazole                 | 11.639 | 167  | 1971491  | 40.358 | ng    | 100      |
| 74) Di-n-butylphthalate       | 11.975 | 149  | 2493783  | 40.274 | ng    | 100      |
| 75) Fluoranthene              | 12.622 | 202  | 2248284  | 39.753 | ng    | 100      |
| 77) Benzidine                 | 12.739 | 184  | 326609   | 41.235 | ng    | 100      |
| 78) Pyrene                    | 12.851 | 202  | 2259888  | 41.470 | ng    | 100      |
| 80) Butylbenzylphthalate      | 13.475 | 149  | 840509   | 42.452 | ng    | 100      |
| 81) Benzo(a)anthracene        | 14.039 | 228  | 1651930  | 39.742 | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine    | 14.004 | 252  | 494528   | 41.467 | ng    | 100      |
| 83) Chrysene                  | 14.074 | 228  | 1591812  | 41.543 | ng    | 100      |
| 84) Bis(2-ethylhexyl)phtha... | 14.033 | 149  | 1046693  | 42.458 | ng    | 100      |
| 85) Di-n-octyl phthalate      | 14.645 | 149  | 1644901  | 44.568 | ng    | 100      |
| 87) Indeno(1,2,3-cd)pyrene    | 17.015 | 276  | 1526575  | 42.264 | ng    | 100      |
| 88) Benzo(b)fluoranthene      | 15.092 | 252  | 1481931  | 38.353 | ng    | 100      |
| 89) Benzo(k)fluoranthene      | 15.121 | 252  | 1377470  | 41.943 | ng    | 100      |
| 90) Benzo(a)pyrene            | 15.463 | 252  | 1269914  | 40.981 | ng    | 100      |
| 91) Dibenzo(a,h)anthracene    | 17.033 | 278  | 1257866  | 42.664 | ng    | 100      |
| 92) Benzo(g,h,i)perylene      | 17.468 | 276  | 1281590  | 42.430 | ng    | 100      |

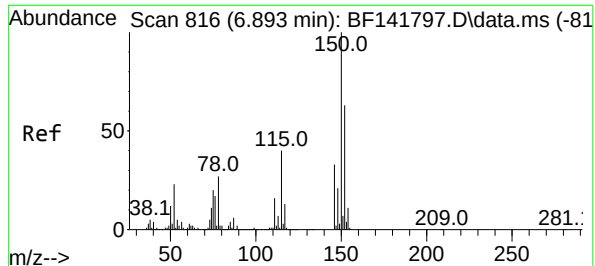
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

## Manual Integrations APPROVED

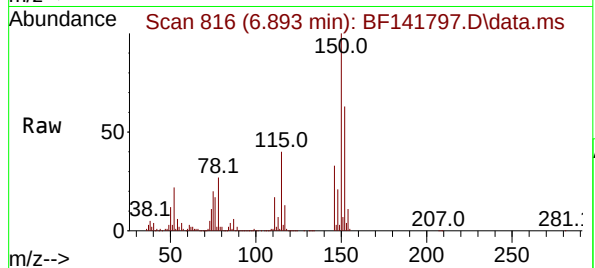
Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025





#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.893 min Scan# 816  
Delta R.T. -0.000 min  
Lab File: BF141797.D  
Acq: 27 Feb 2025 17:16

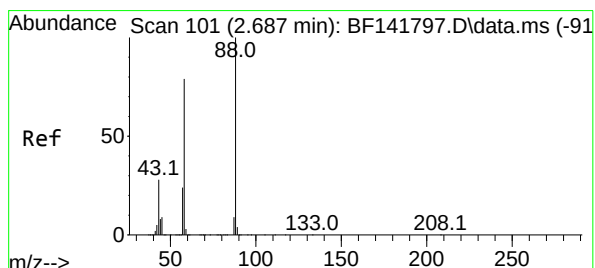
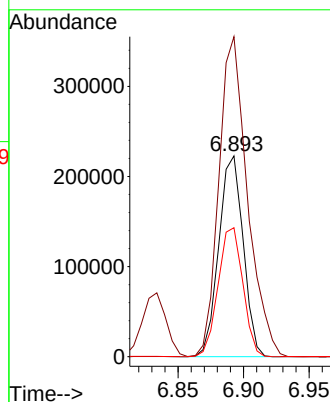
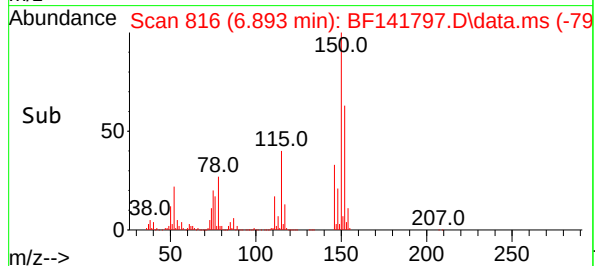
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICCC040



Tgt Ion:152 Resp: 288060  
Ion Ratio Lower Upper  
152 100  
150 159.4 127.5 191.3  
115 64.3 51.4 77.2

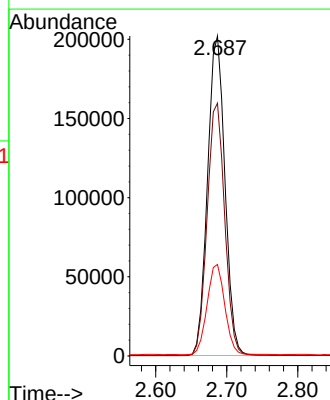
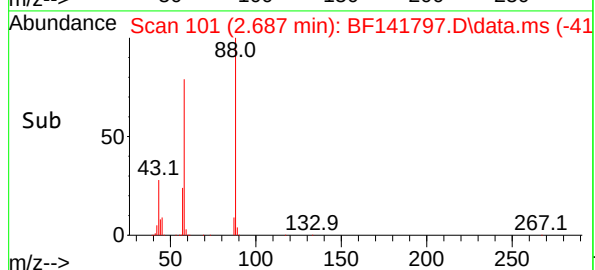
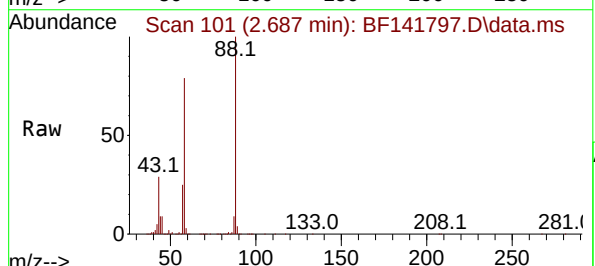
Manual Integrations  
APPROVED

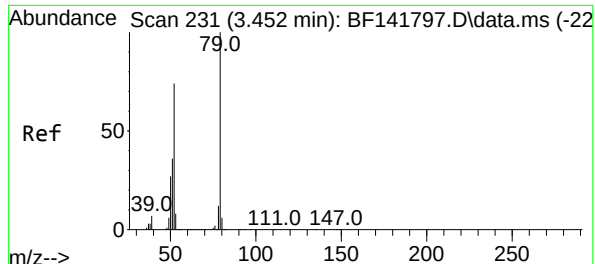
Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025



#2  
1,4-Dioxane  
Concen: 41.944 ng  
RT: 2.687 min Scan# 101  
Delta R.T. 0.000 min  
Lab File: BF141797.D  
Acq: 27 Feb 2025 17:16

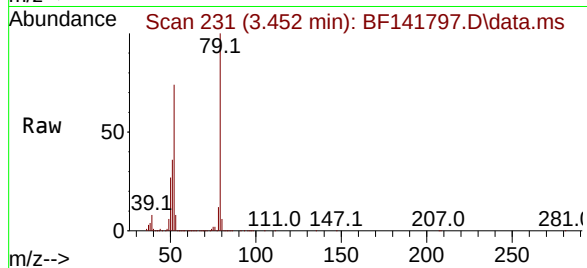
Tgt Ion: 88 Resp: 343299  
Ion Ratio Lower Upper  
88 100  
58 79.9 63.9 95.9  
43 28.8 23.0 34.6





#3  
Pyridine  
Concen: 41.764 ng  
RT: 3.452 min Scan# 231  
Delta R.T. 0.000 min  
Lab File: BF141797.D  
Acq: 27 Feb 2025 17:16

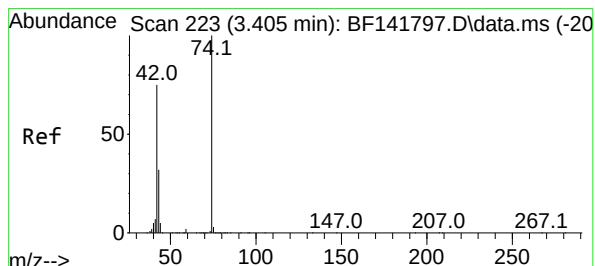
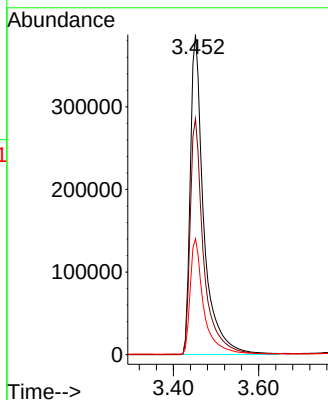
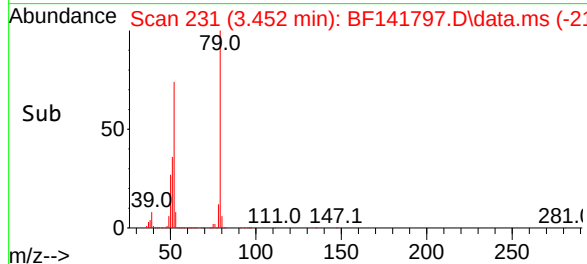
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICCC040



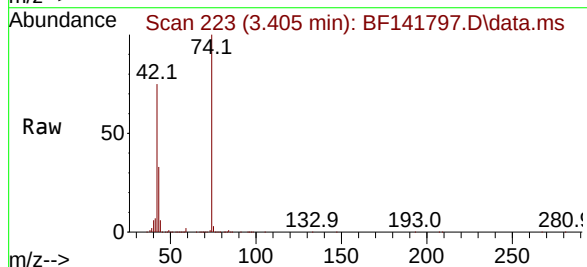
Tgt Ion: 79 Resp: 850494  
Ion Ratio Lower Upper  
79 100  
52 73.7 59.0 88.4  
51 36.2 29.0 43.4

Manual Integrations  
APPROVED

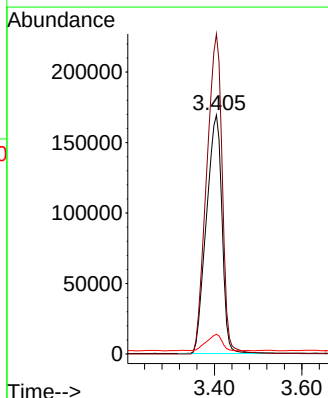
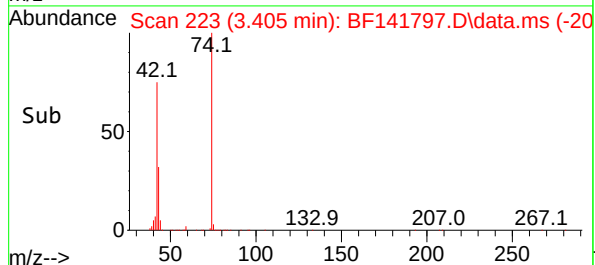
Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025

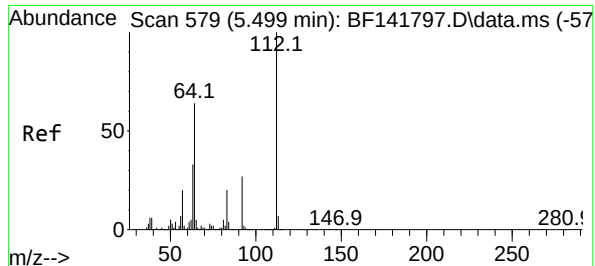


#4  
n-Nitrosodimethylamine  
Concen: 42.911 ng  
RT: 3.405 min Scan# 223  
Delta R.T. 0.000 min  
Lab File: BF141797.D  
Acq: 27 Feb 2025 17:16



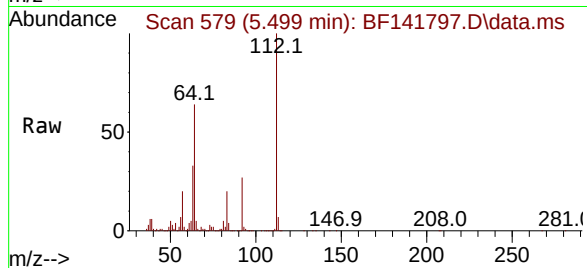
Tgt Ion: 42 Resp: 420465  
Ion Ratio Lower Upper  
42 100  
74 133.9 107.1 160.7  
44 8.2 6.6 9.8





#5  
2-Fluorophenol  
Concen: 82.144 ng  
RT: 5.499 min Scan# 579  
Delta R.T. 0.000 min  
Lab File: BF141797.D  
Acq: 27 Feb 2025 17:16

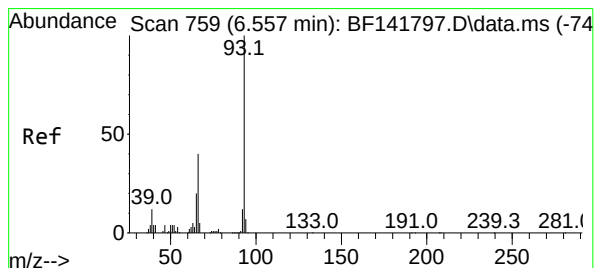
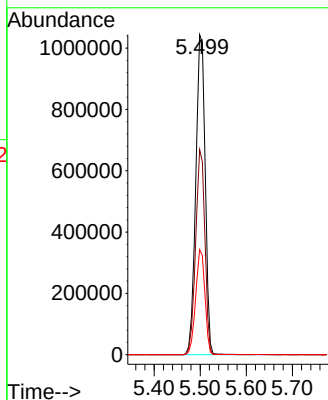
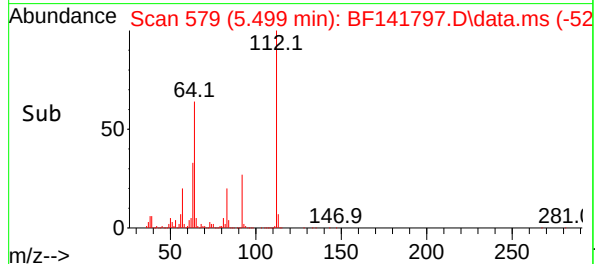
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICCC040



Tgt Ion: 112 Resp: 1481710  
Ion Ratio Lower Upper  
112 100  
64 64.1 51.3 76.9  
63 32.8 26.2 39.4

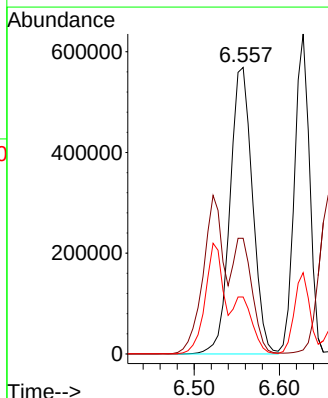
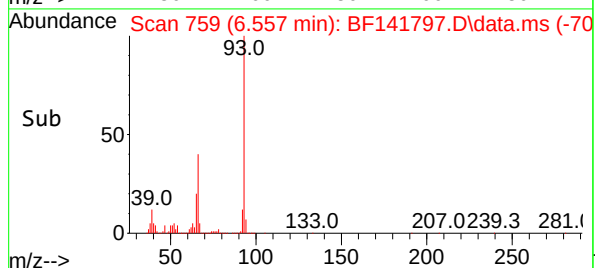
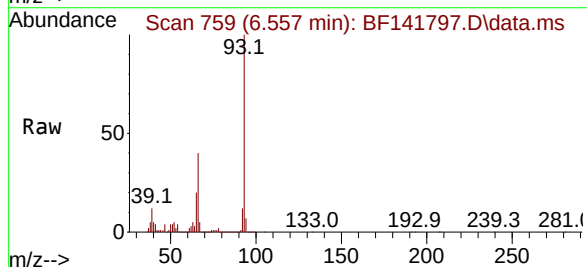
Manual Integrations  
APPROVED

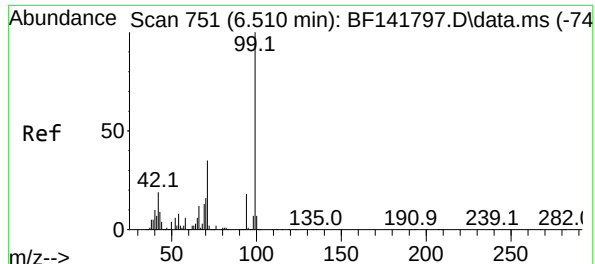
Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025



#6  
Aniline  
Concen: 42.941 ng  
RT: 6.557 min Scan# 759  
Delta R.T. 0.000 min  
Lab File: BF141797.D  
Acq: 27 Feb 2025 17:16

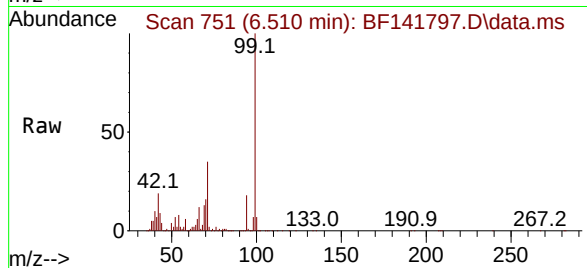
Tgt Ion: 93 Resp: 1042452  
Ion Ratio Lower Upper  
93 100  
66 40.4 32.3 48.5  
65 19.9 15.9 23.9





#7  
Phenol-d6  
Concen: 82.660 ng  
RT: 6.510 min Scan# 751  
Delta R.T. 0.000 min  
Lab File: BF141797.D  
Acq: 27 Feb 2025 17:16

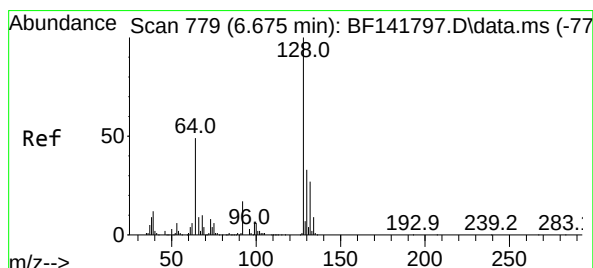
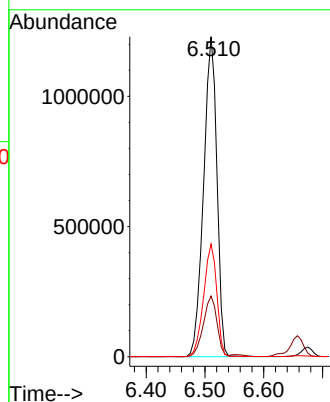
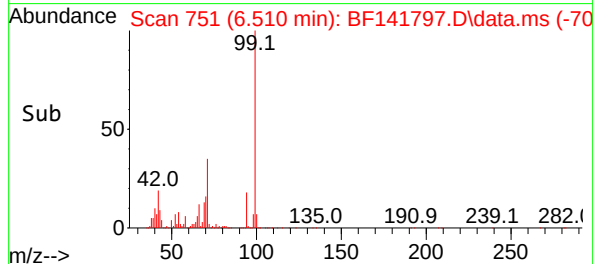
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICCC040



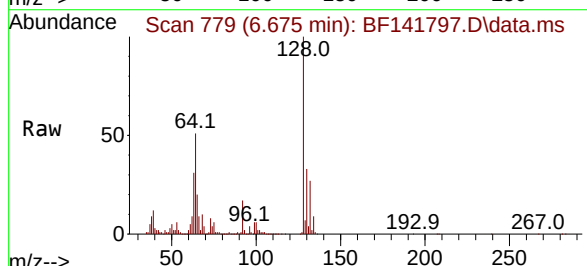
Tgt Ion: 99 Resp: 1940700  
Ion Ratio Lower Upper  
99 100  
42 19.0 15.2 22.8  
71 35.2 28.2 42.2

Manual Integrations  
APPROVED

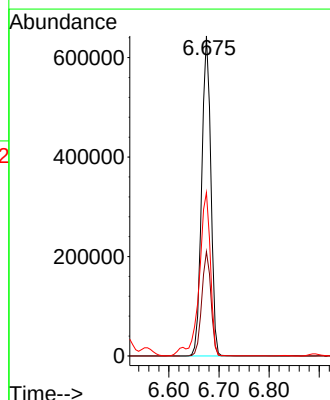
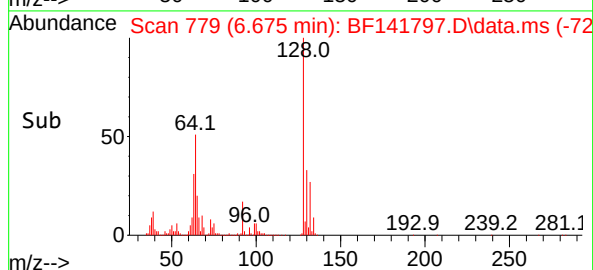
Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025



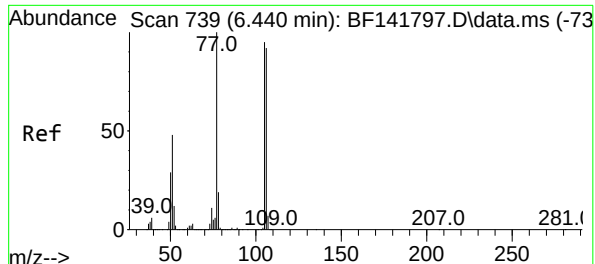
#8  
2-Chlorophenol  
Concen: 41.681 ng  
RT: 6.675 min Scan# 779  
Delta R.T. 0.000 min  
Lab File: BF141797.D  
Acq: 27 Feb 2025 17:16



Tgt Ion:128 Resp: 813316  
Ion Ratio Lower Upper  
128 100  
130 32.6 12.6 52.6  
64 51.1 31.1 71.1

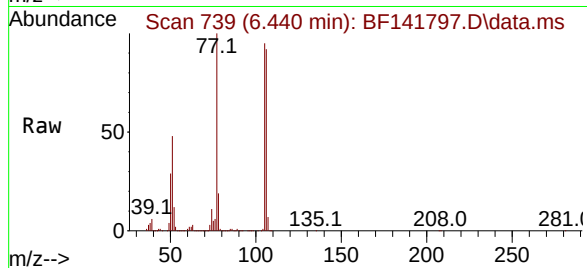






#9  
Benzaldehyde  
Concen: 41.423 ng  
RT: 6.440 min Scan# 739  
Delta R.T. 0.000 min  
Lab File: BF141797.D  
Acq: 27 Feb 2025 17:16

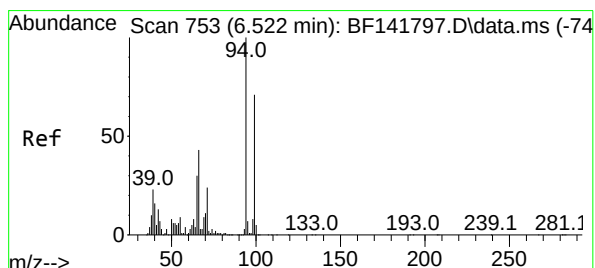
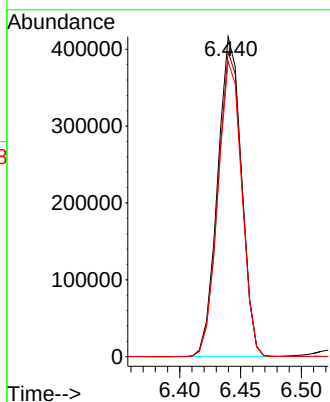
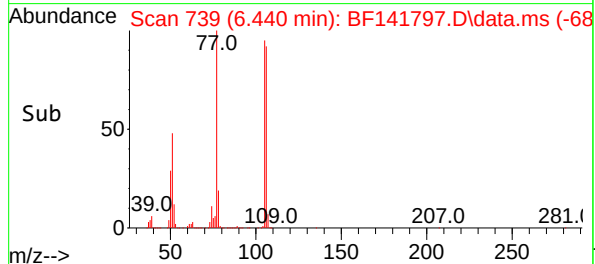
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICCC040



Tgt Ion: 77 Resp: 565698  
Ion Ratio Lower Upper  
77 100  
105 95.3 75.3 115.3  
106 92.3 72.3 112.3

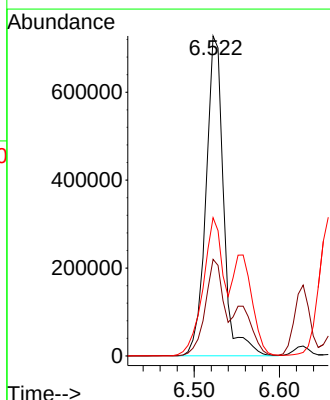
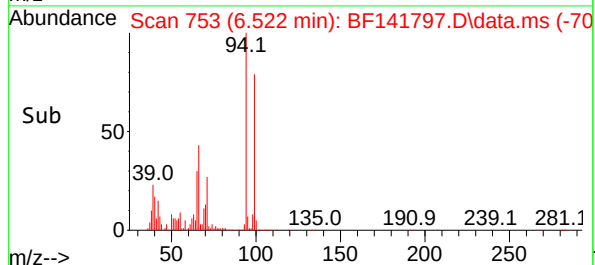
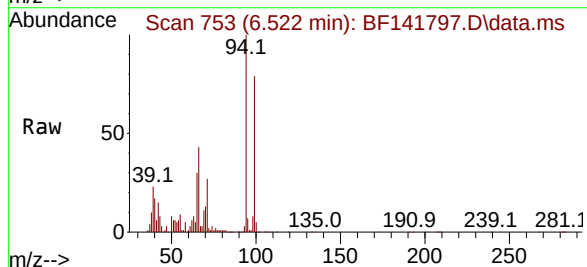
Manual Integrations  
APPROVED

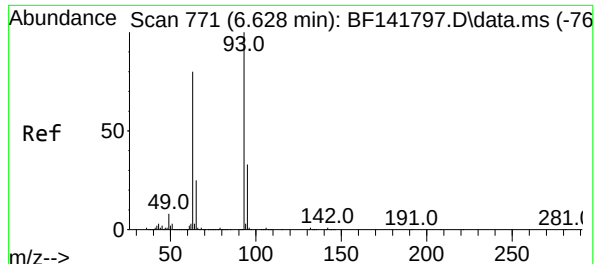
Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025



#10  
Phenol  
Concen: 41.904 ng  
RT: 6.522 min Scan# 753  
Delta R.T. 0.000 min  
Lab File: BF141797.D  
Acq: 27 Feb 2025 17:16

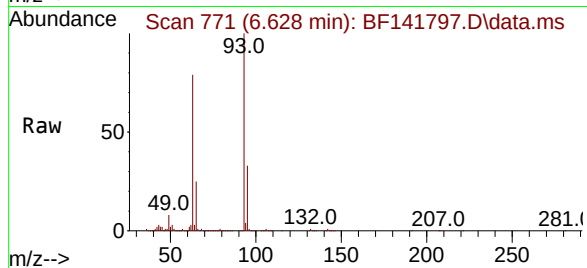
Tgt Ion: 94 Resp: 1048185  
Ion Ratio Lower Upper  
94 100  
65 30.2 10.2 50.2  
66 43.2 23.2 63.2





#11  
bis(2-Chloroethyl)ether  
Concen: 40.349 ng  
RT: 6.628 min Scan# 771  
Delta R.T. 0.000 min  
Lab File: BF141797.D  
Acq: 27 Feb 2025 17:16

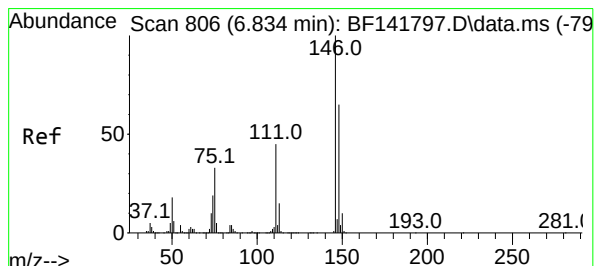
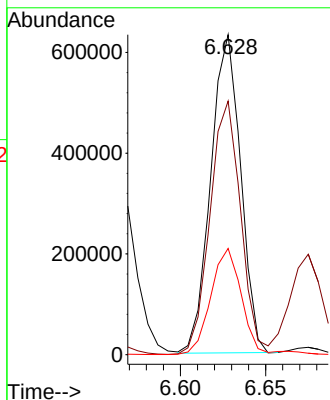
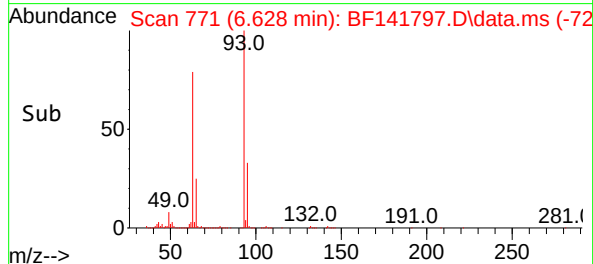
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICCC040



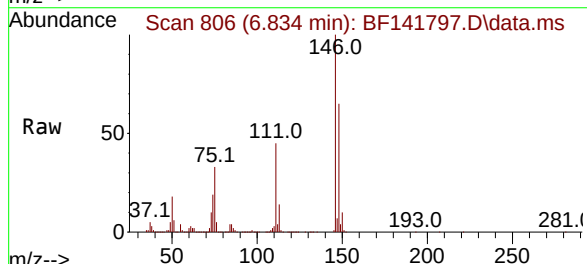
Tgt Ion: 93 Resp: 77164  
Ion Ratio Lower Upper  
93 100  
63 79.3 59.3 99.3  
95 33.2 13.2 53.2

Manual Integrations  
APPROVED

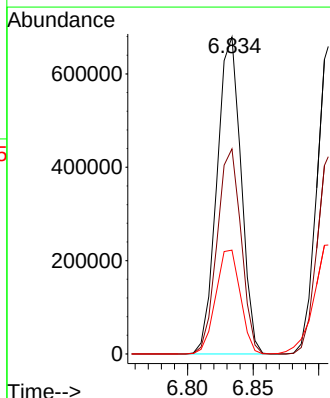
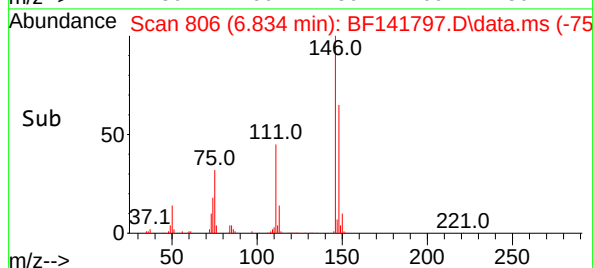
Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025

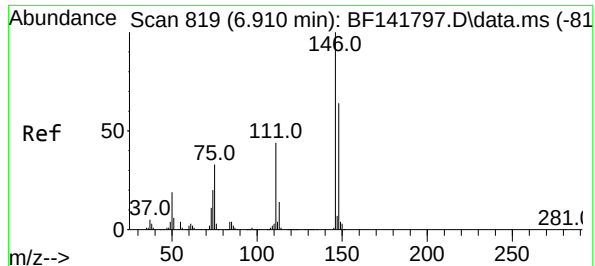


#12  
1,3-Dichlorobenzene  
Concen: 41.465 ng  
RT: 6.834 min Scan# 806  
Delta R.T. 0.000 min  
Lab File: BF141797.D  
Acq: 27 Feb 2025 17:16



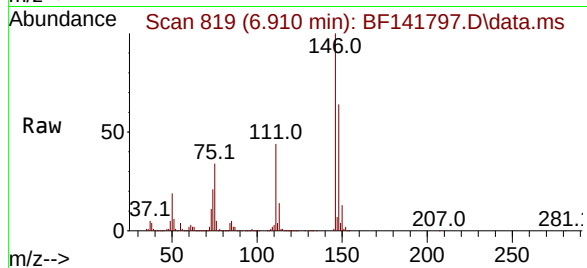
Tgt Ion:146 Resp: 866494  
Ion Ratio Lower Upper  
146 100  
148 64.7 51.8 77.6  
75 32.8 26.2 39.4





#13  
1,4-Dichlorobenzene  
Concen: 41.384 ng  
RT: 6.910 min Scan# 819  
Delta R.T. 0.000 min  
Lab File: BF141797.D  
Acq: 27 Feb 2025 17:16

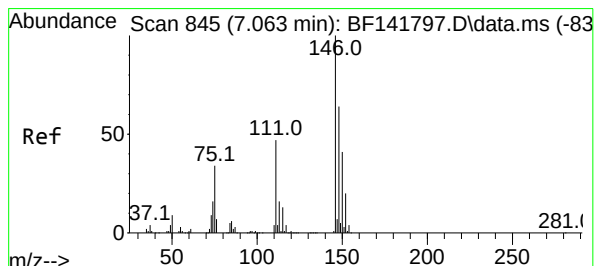
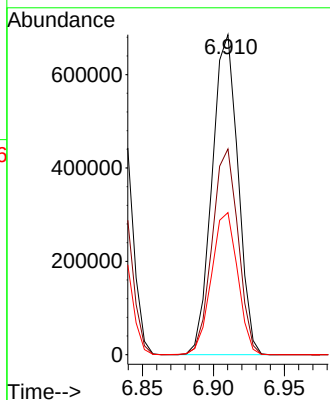
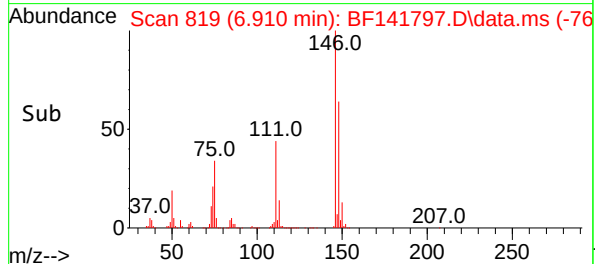
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICCC040



Tgt Ion:146 Resp: 87135  
Ion Ratio Lower Upper  
146 100  
148 64.3 51.4 77.2  
111 44.4 35.5 53.3

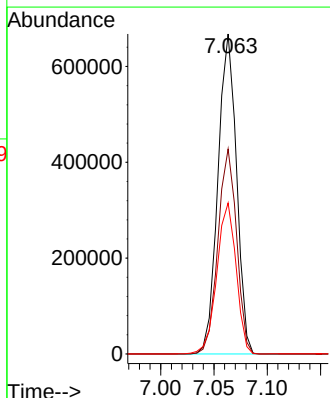
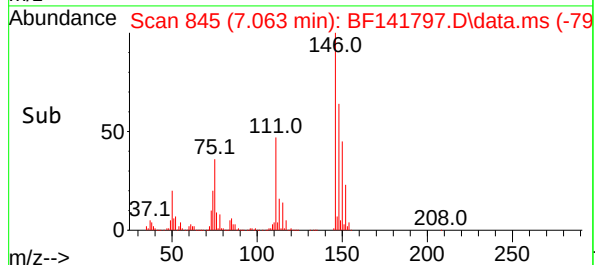
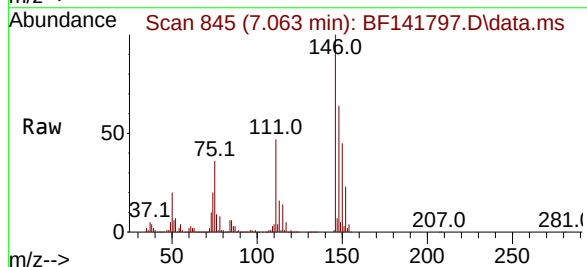
Manual Integrations  
APPROVED

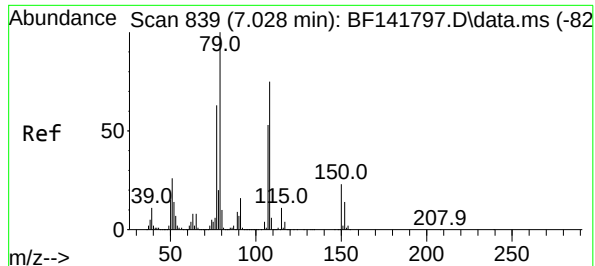
Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025



#14  
1,2-Dichlorobenzene  
Concen: 41.065 ng  
RT: 7.063 min Scan# 845  
Delta R.T. 0.000 min  
Lab File: BF141797.D  
Acq: 27 Feb 2025 17:16

Tgt Ion:146 Resp: 807407  
Ion Ratio Lower Upper  
146 100  
148 64.0 51.2 76.8  
111 47.2 37.8 56.6





#15

Benzyl Alcohol

Concen: 41.957 ng

RT: 7.028 min Scan# 839

Delta R.T. 0.000 min

Lab File: BF141797.D

Acq: 27 Feb 2025 17:16

Instrument :

BNA\_F

ClientSampleId :

SSTDICCC040

Tgt Ion: 79 Resp: 787264

Ion Ratio Lower Upper

79 100

108 75.2 60.2 90.2

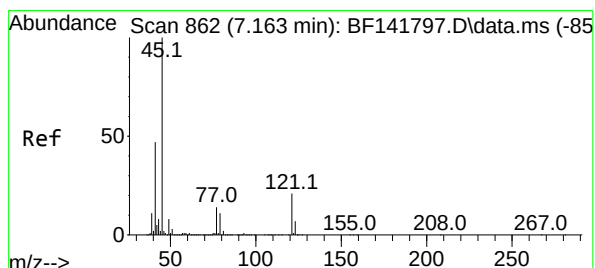
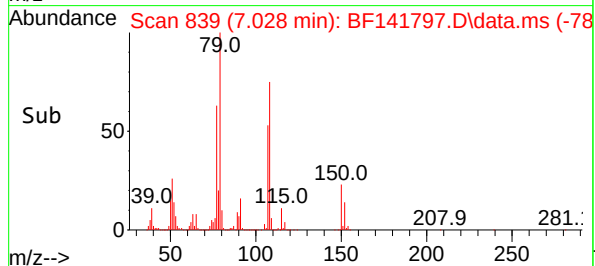
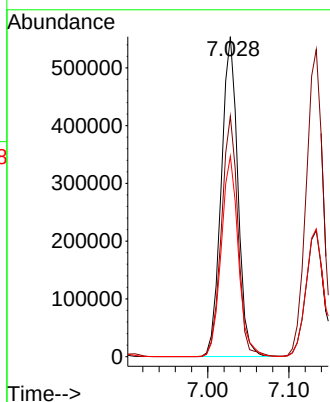
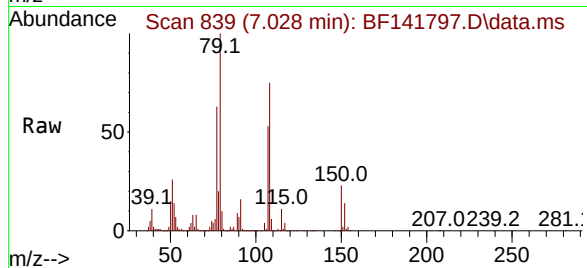
77 62.7 50.2 75.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/28/2025

Supervised By :mohammad ahmed 02/28/2025



#16

2,2'-oxybis(1-Chloropropane)

Concen: 41.236 ng

RT: 7.163 min Scan# 862

Delta R.T. 0.000 min

Lab File: BF141797.D

Acq: 27 Feb 2025 17:16

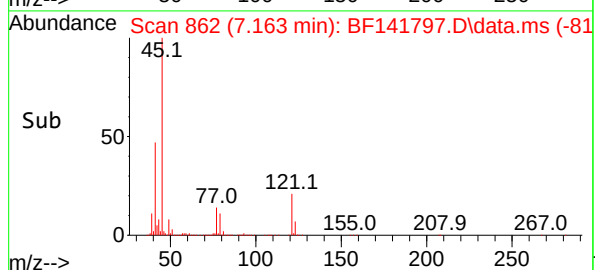
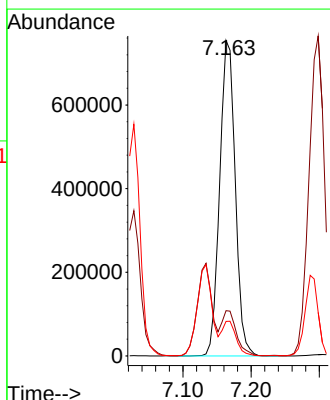
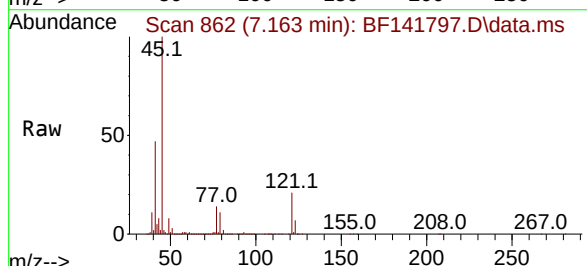
Tgt Ion: 45 Resp: 1197610

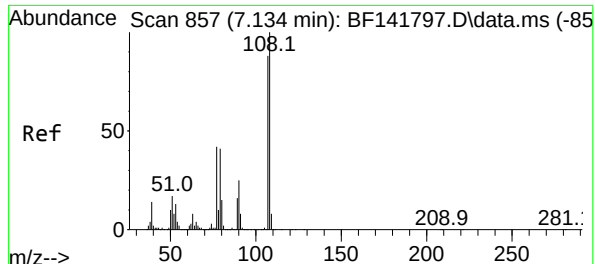
Ion Ratio Lower Upper

45 100

77 14.4 0.0 34.4

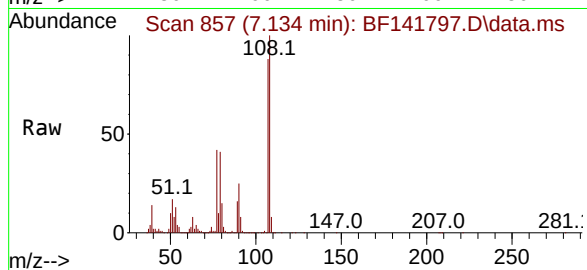
79 10.9 0.0 30.9





#17  
2-Methylphenol  
Concen: 41.635 ng  
RT: 7.134 min Scan# 857  
Delta R.T. 0.000 min  
Lab File: BF141797.D  
Acq: 27 Feb 2025 17:16

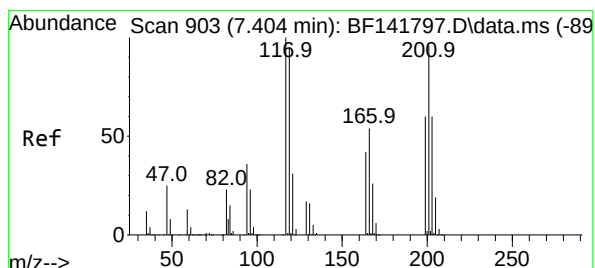
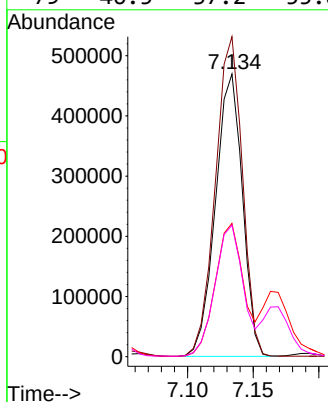
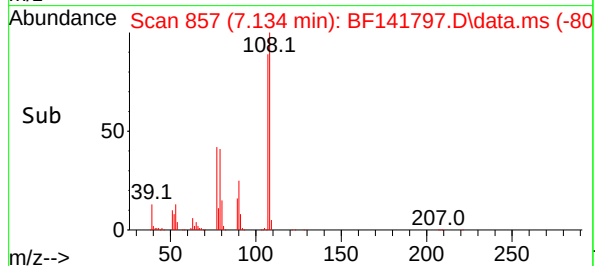
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICCC040



Tgt Ion:107 Resp: 67059  
Ion Ratio Lower Upper  
107 100  
108 113.2 90.6 135.8  
77 47.1 37.7 56.5  
79 46.5 37.2 55.8

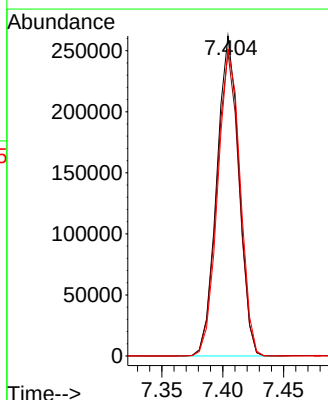
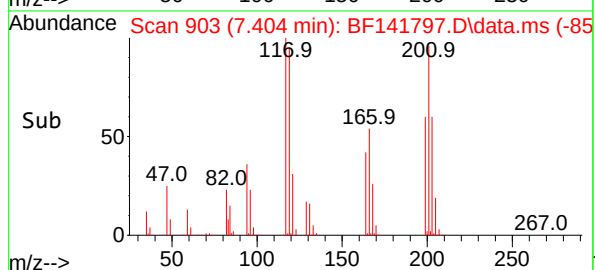
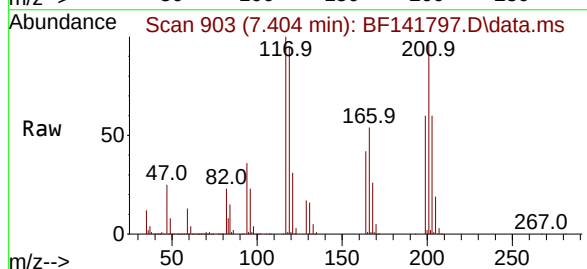
Manual Integrations  
APPROVED

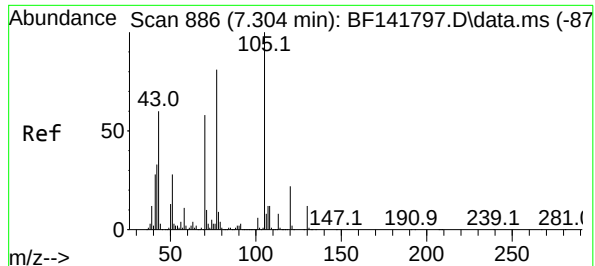
Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025



#18  
Hexachloroethane  
Concen: 42.223 ng  
RT: 7.404 min Scan# 903  
Delta R.T. 0.000 min  
Lab File: BF141797.D  
Acq: 27 Feb 2025 17:16

Tgt Ion:117 Resp: 332747  
Ion Ratio Lower Upper  
117 100  
119 94.8 75.8 113.8  
201 95.9 76.7 115.1





#19

n-Nitroso-di-n-propylamine

Concen: 40.586 ng

RT: 7.304 min Scan# 886

Delta R.T. 0.000 min

Lab File: BF141797.D

Acq: 27 Feb 2025 17:16

Instrument :

BNA\_F

ClientSampleId :

SSTDICCC040

Tgt Ion: 70 Resp: 626390

Ion Ratio Lower Upper

70 100

42 56.7 45.4 68.0

101 9.8 7.8 11.8

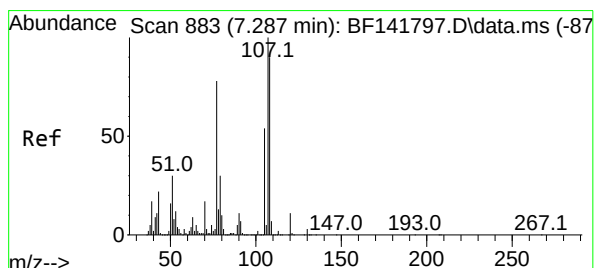
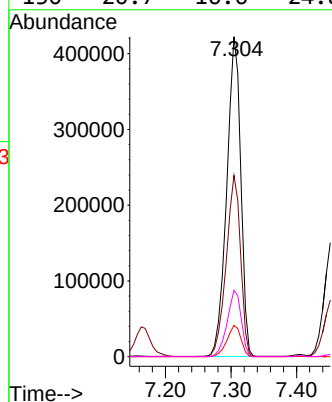
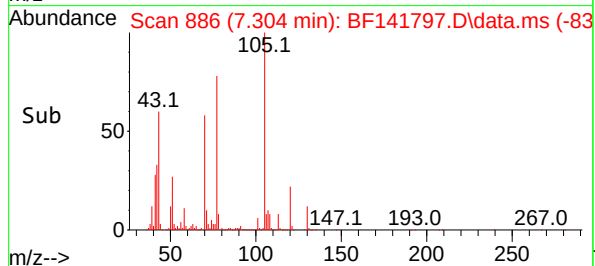
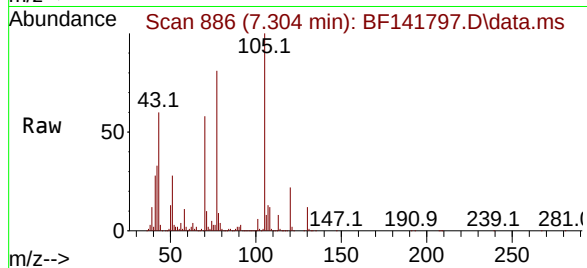
130 20.7 16.6 24.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/28/2025

Supervised By :mohammad ahmed 02/28/2025



#20

3+4-Methylphenols

Concen: 41.411 ng

RT: 7.287 min Scan# 883

Delta R.T. 0.000 min

Lab File: BF141797.D

Acq: 27 Feb 2025 17:16

Tgt Ion:107 Resp: 830533

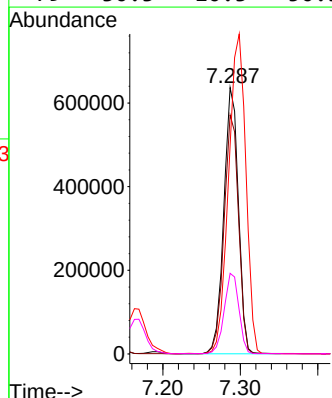
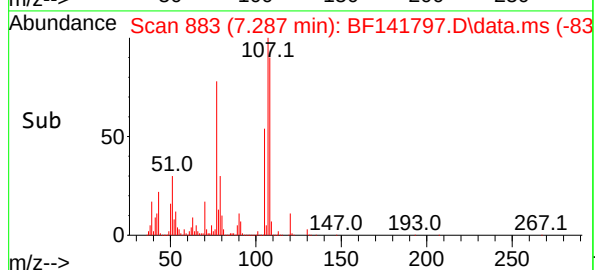
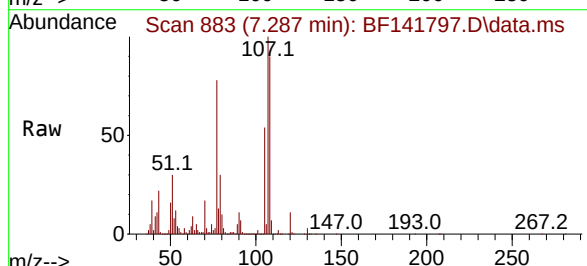
Ion Ratio Lower Upper

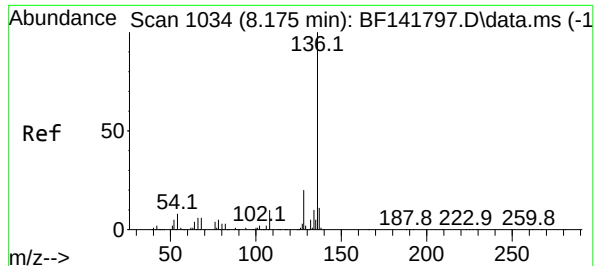
107 100

108 89.7 69.7 109.7

77 78.3 58.3 98.3

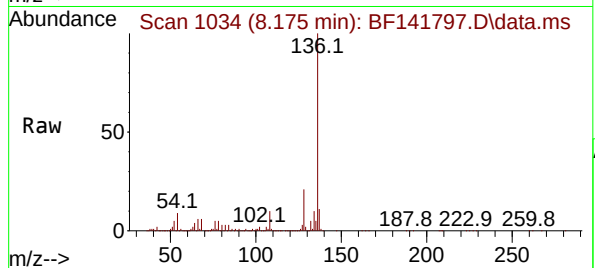
79 30.3 10.3 50.3





#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.175 min Scan# 1034  
Delta R.T. 0.000 min  
Lab File: BF141797.D  
Acq: 27 Feb 2025 17:16

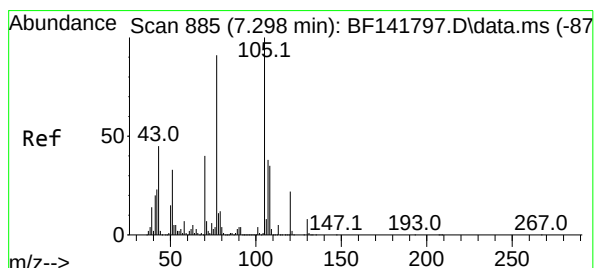
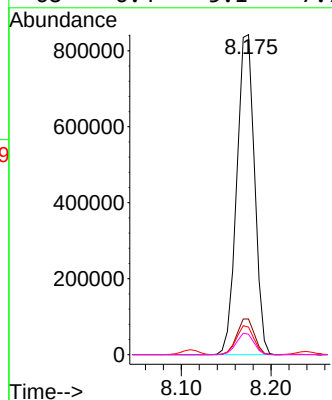
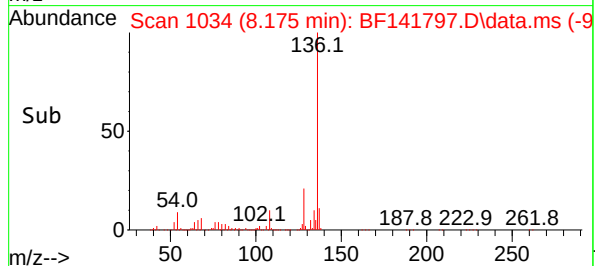
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICCC040



Tgt Ion:136 Resp: 115571  
Ion Ratio Lower Upper  
136 100  
137 11.1 8.9 13.3  
54 8.6 6.9 10.3  
68 6.4 5.1 7.7

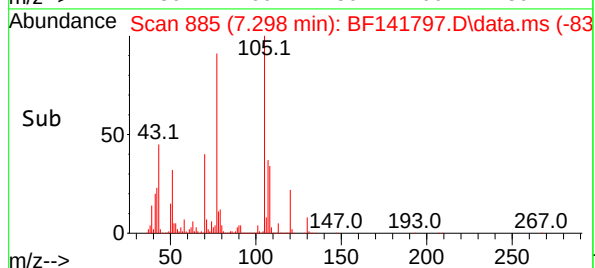
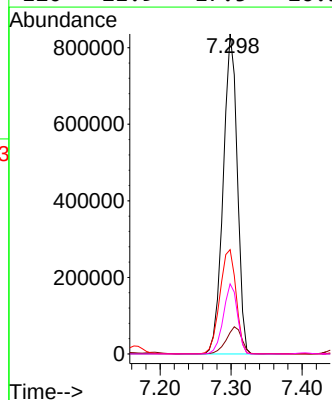
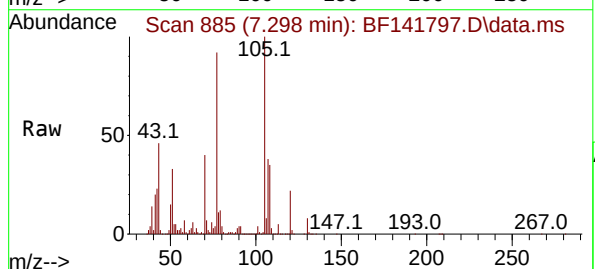
Manual Integrations  
APPROVED

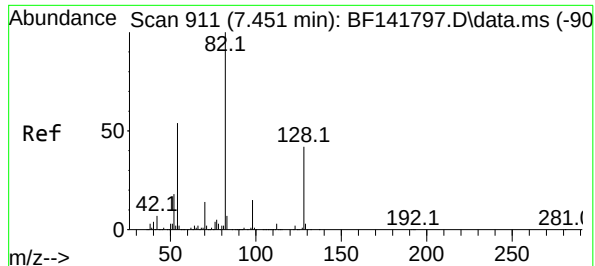
Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025



#22  
Acetophenone  
Concen: 40.776 ng  
RT: 7.298 min Scan# 885  
Delta R.T. 0.000 min  
Lab File: BF141797.D  
Acq: 27 Feb 2025 17:16

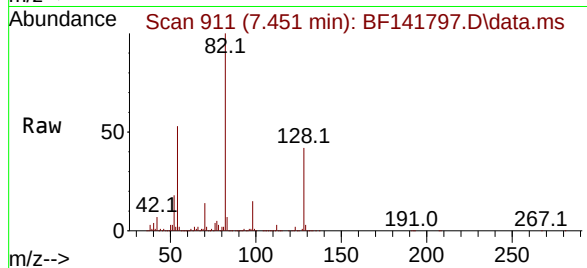
Tgt Ion:105 Resp: 1147737  
Ion Ratio Lower Upper  
105 100  
71 6.7 5.4 8.0  
51 32.6 26.1 39.1  
120 21.9 17.5 26.3





#23  
Nitrobenzene-d5  
Concen: 87.263 ng  
RT: 7.451 min Scan# 911  
Delta R.T. 0.000 min  
Lab File: BF141797.D  
Acq: 27 Feb 2025 17:16

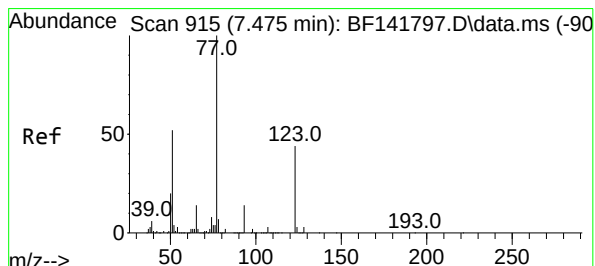
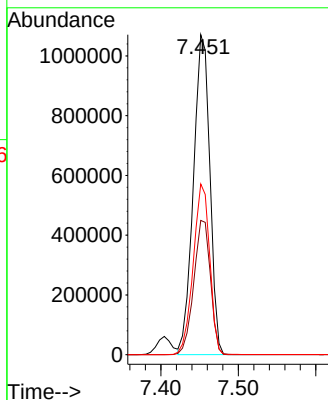
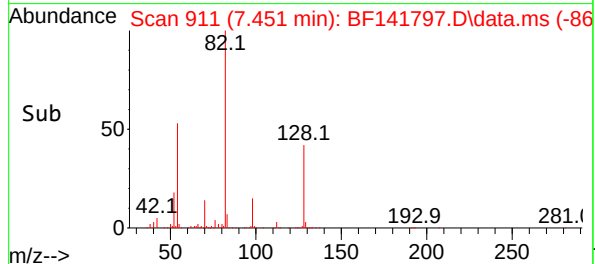
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICCC040



Tgt Ion: 82 Resp: 1577764  
Ion Ratio Lower Upper  
82 100  
128 41.9 33.5 50.3  
54 53.4 42.7 64.1

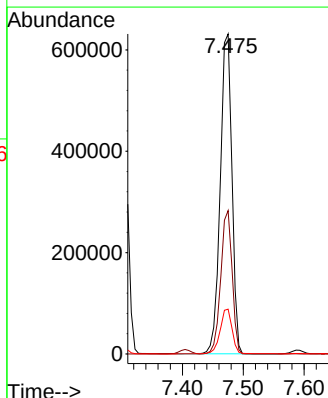
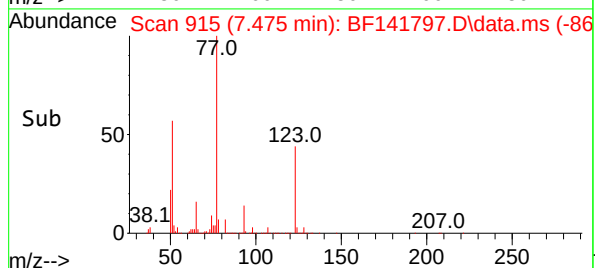
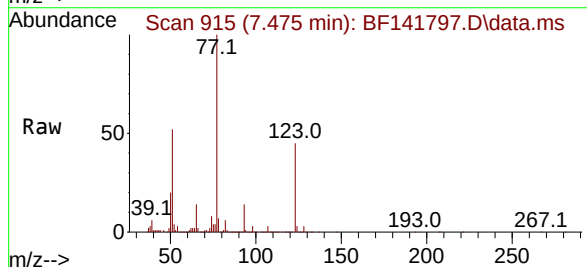
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025

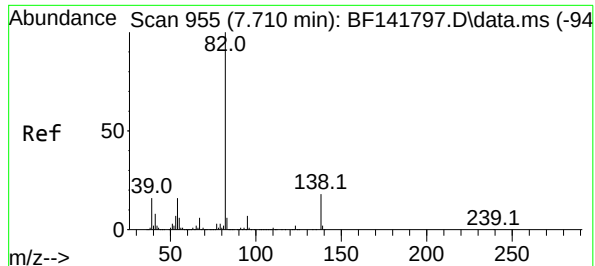


#24  
Nitrobenzene  
Concen: 43.379 ng  
RT: 7.475 min Scan# 915  
Delta R.T. 0.000 min  
Lab File: BF141797.D  
Acq: 27 Feb 2025 17:16

Tgt Ion: 77 Resp: 839887  
Ion Ratio Lower Upper  
77 100  
123 44.8 35.8 53.8  
65 14.0 11.2 16.8

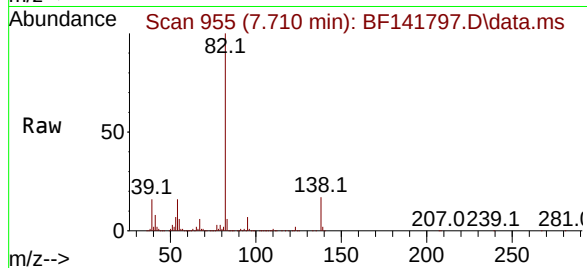






#25  
Isophorone  
Concen: 40.569 ng  
RT: 7.710 min Scan# 955  
Delta R.T. 0.000 min  
Lab File: BF141797.D  
Acq: 27 Feb 2025 17:16

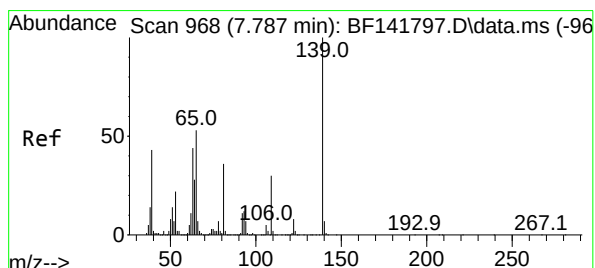
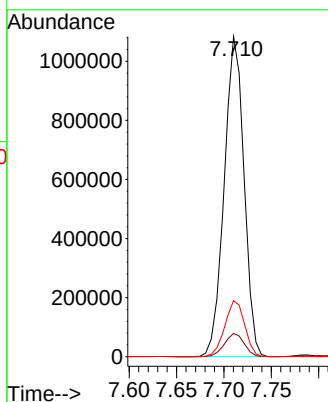
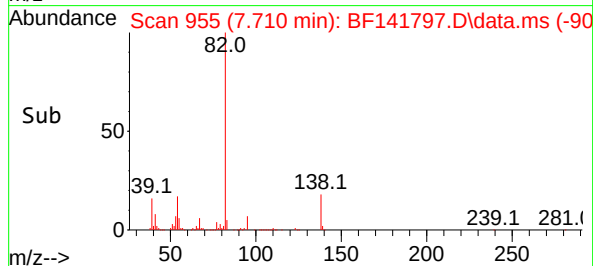
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICCC040



Tgt Ion: 82 Resp: 1575854  
Ion Ratio Lower Upper  
82 100  
95 7.3 5.8 8.8  
138 17.5 14.0 21.0

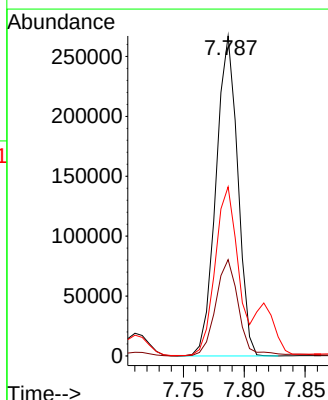
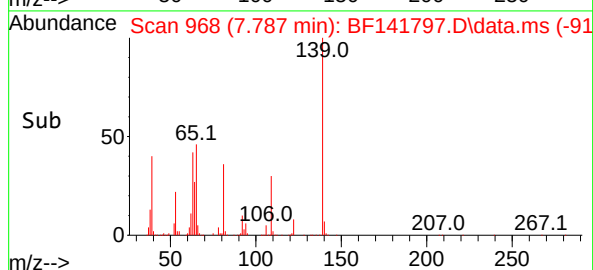
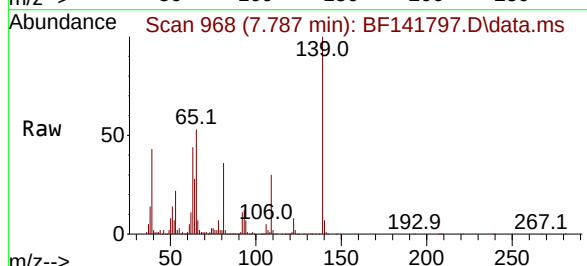
Manual Integrations  
APPROVED

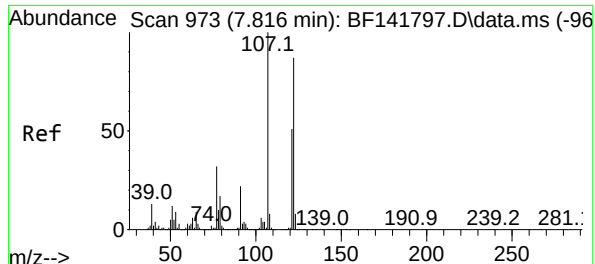
Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025



#26  
2-Nitrophenol  
Concen: 39.357 ng  
RT: 7.787 min Scan# 968  
Delta R.T. -0.000 min  
Lab File: BF141797.D  
Acq: 27 Feb 2025 17:16

Tgt Ion:139 Resp: 332584  
Ion Ratio Lower Upper  
139 100  
109 30.1 24.1 36.1  
65 52.9 42.3 63.5





#27

2,4-Dimethylphenol

Concen: 41.191 ng

RT: 7.816 min Scan# 91

Delta R.T. 0.000 min

Lab File: BF141797.D

Acq: 27 Feb 2025 17:16

Instrument :

BNA\_F

ClientSampleId :

SSTDICCC040

Tgt Ion:122 Resp: 58815

Ion Ratio Lower Upper

122 100

107 115.6 92.5 138.7

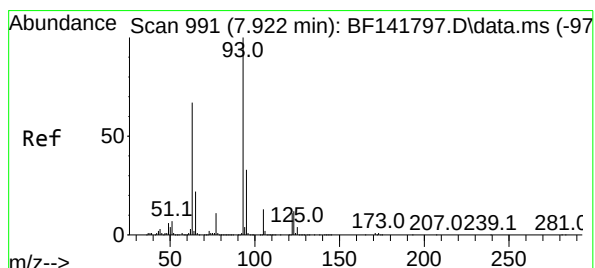
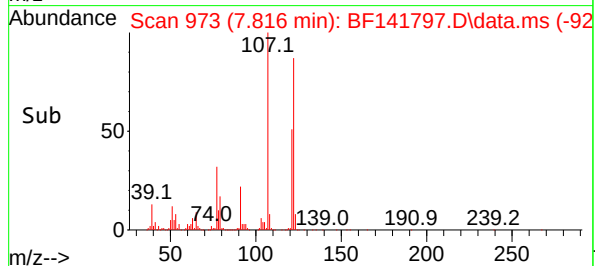
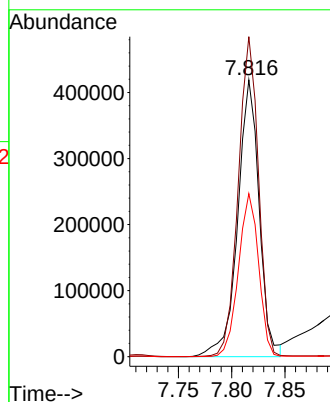
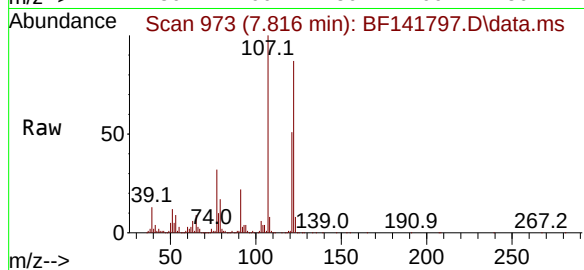
121 58.9 47.1 70.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/28/2025

Supervised By :mohammad ahmed 02/28/2025



#28

bis(2-Chloroethoxy)methane

Concen: 40.624 ng

RT: 7.922 min Scan# 991

Delta R.T. 0.000 min

Lab File: BF141797.D

Acq: 27 Feb 2025 17:16

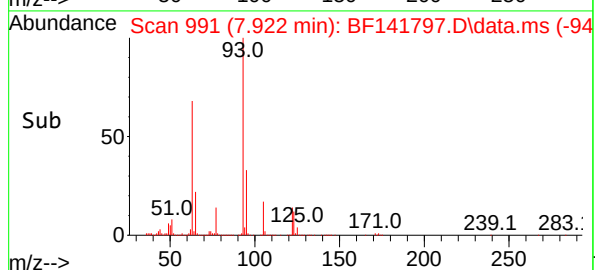
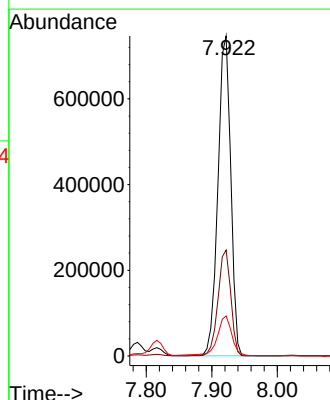
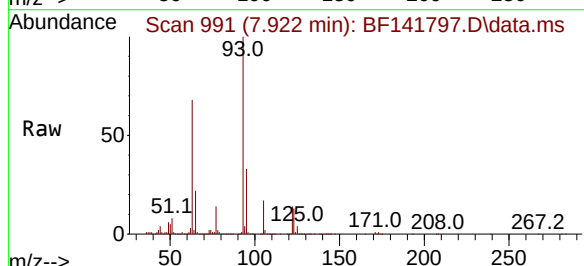
Tgt Ion: 93 Resp: 1006606

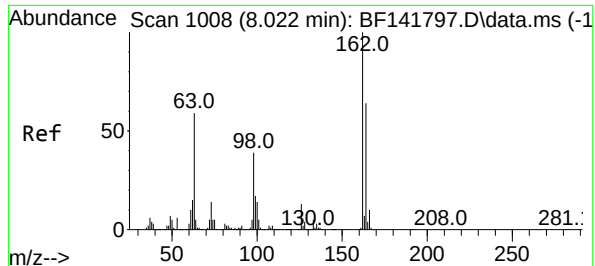
Ion Ratio Lower Upper

93 100

95 33.1 26.5 39.7

123 12.5 10.0 15.0





#29

2,4-Dichlorophenol

Concen: 41.819 ng

RT: 8.022 min Scan# 1008

Delta R.T. 0.000 min

Lab File: BF141797.D

Acq: 27 Feb 2025 17:16

Instrument :

BNA\_F

ClientSampleId :

SSTDICCC040

Tgt Ion:162 Resp: 688860

Ion Ratio Lower Upper

162 100

164 64.3 44.3 84.3

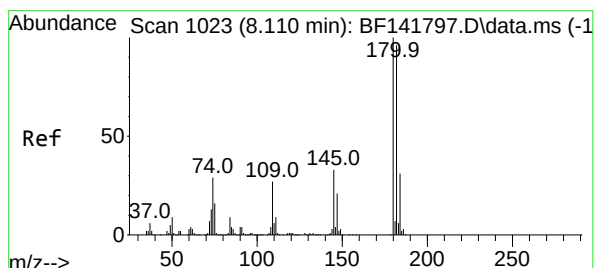
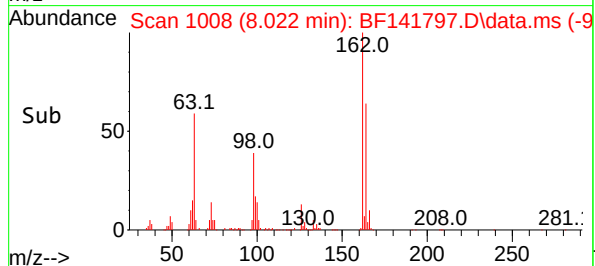
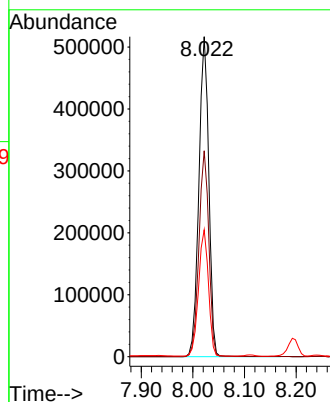
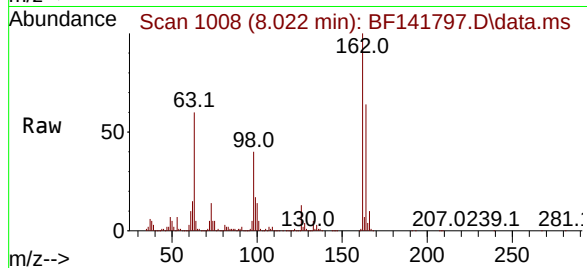
98 39.6 19.6 59.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/28/2025

Supervised By :mohammad ahmed 02/28/2025



#30

1,2,4-Trichlorobenzene

Concen: 40.863 ng

RT: 8.110 min Scan# 1023

Delta R.T. 0.000 min

Lab File: BF141797.D

Acq: 27 Feb 2025 17:16

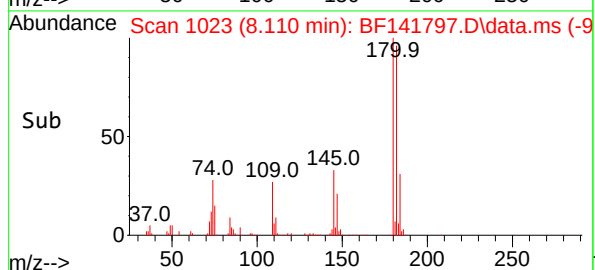
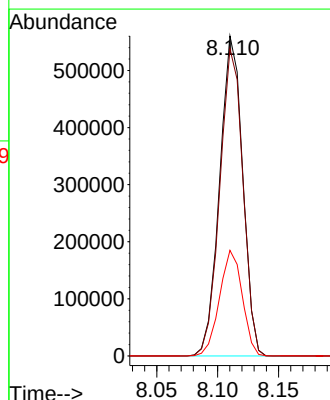
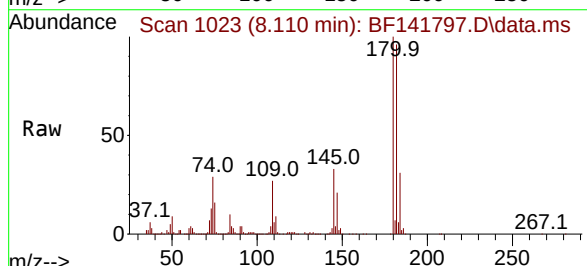
Tgt Ion:180 Resp: 737573

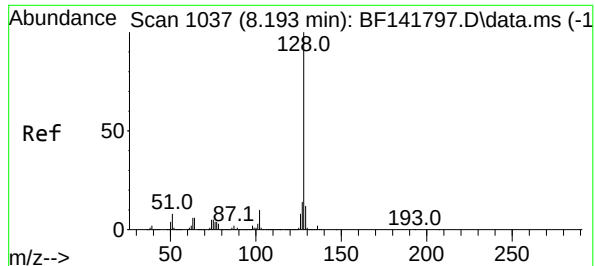
Ion Ratio Lower Upper

180 100

182 96.0 76.8 115.2

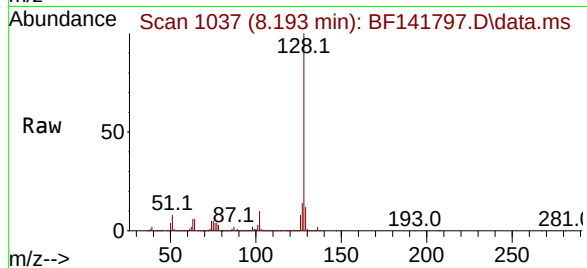
145 33.0 26.4 39.6





#31  
Naphthalene  
Concen: 40.588 ng  
RT: 8.193 min Scan# 1037  
Delta R.T. 0.000 min  
Lab File: BF141797.D  
Acq: 27 Feb 2025 17:16

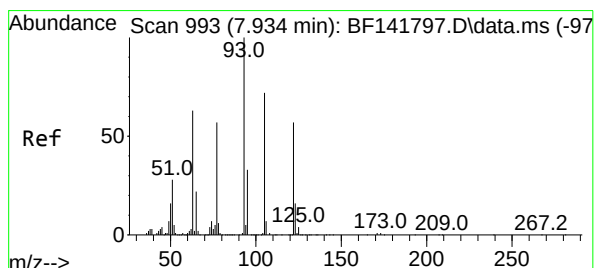
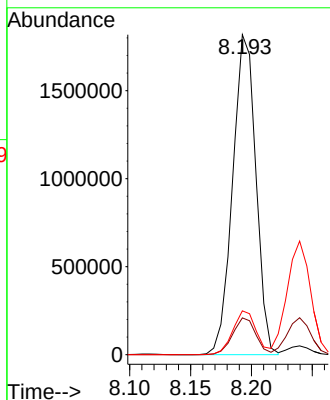
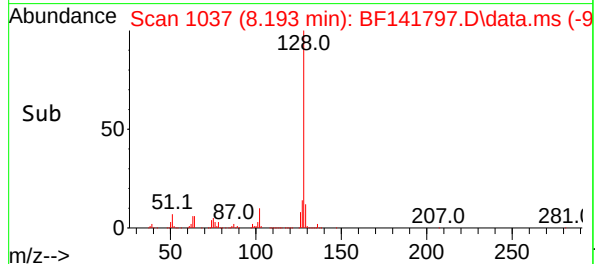
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICCC040



Tgt Ion:128 Resp: 2410915  
Ion Ratio Lower Upper  
128 100  
129 11.5 9.2 13.8  
127 13.7 11.0 16.4

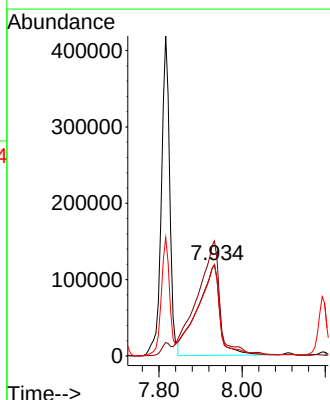
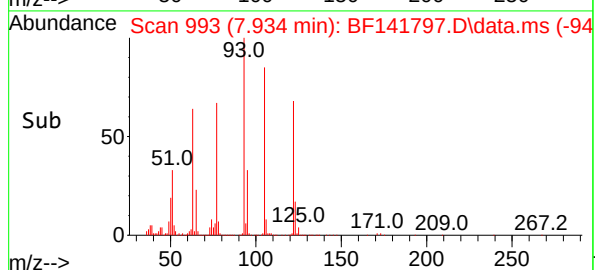
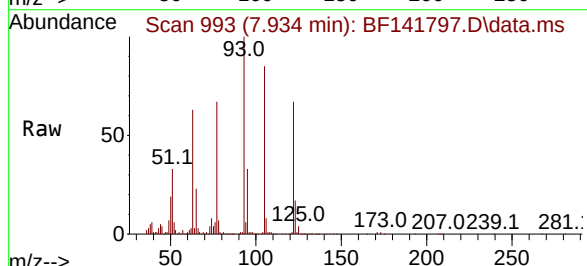
Manual Integrations  
APPROVED

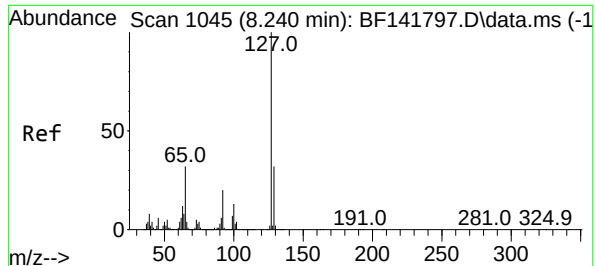
Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025



#32  
Benzoic acid  
Concen: 38.870 ng  
RT: 7.934 min Scan# 993  
Delta R.T. -0.000 min  
Lab File: BF141797.D  
Acq: 27 Feb 2025 17:16

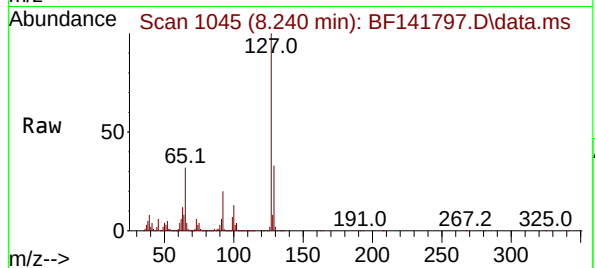
Tgt Ion:122 Resp: 442477  
Ion Ratio Lower Upper  
122 100  
105 125.8 105.8 145.8  
77 99.9 79.9 119.9





#33  
4-Chloroaniline  
Concen: 40.271 ng  
RT: 8.240 min Scan# 1045  
Delta R.T. 0.000 min  
Lab File: BF141797.D  
Acq: 27 Feb 2025 17:16

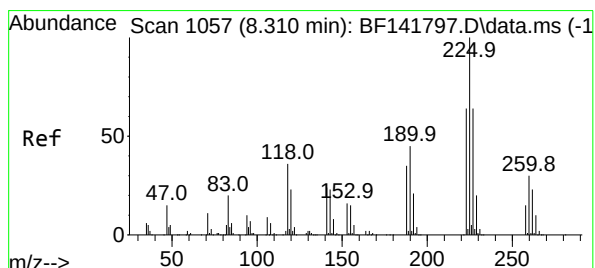
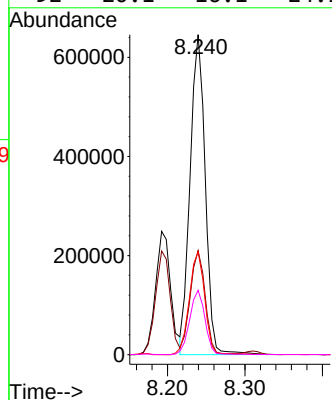
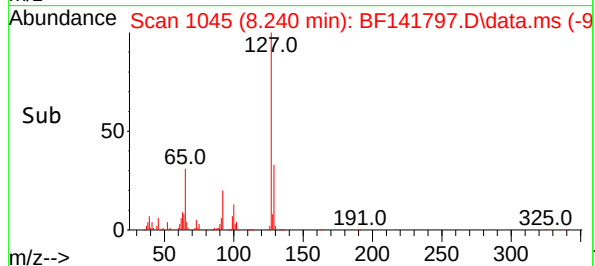
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICCC040



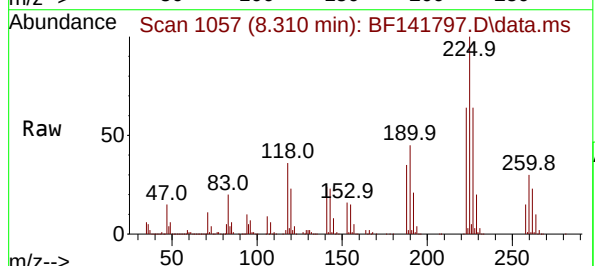
Tgt Ion:127 Resp: 877082  
Ion Ratio Lower Upper  
127 100  
129 32.6 26.1 39.1  
65 32.1 25.7 38.5  
92 20.1 16.1 24.1

Manual Integrations  
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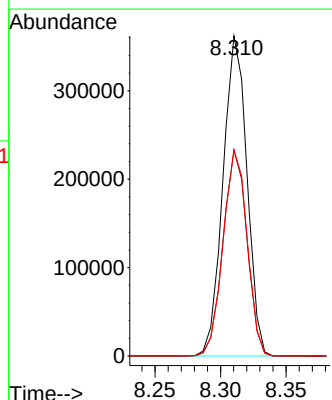
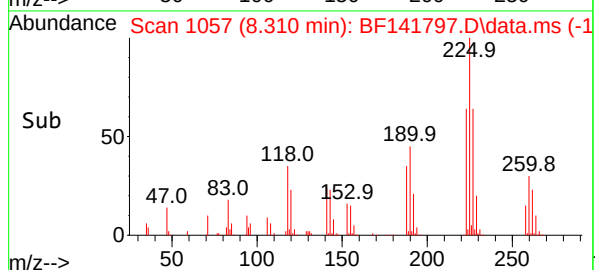
Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025

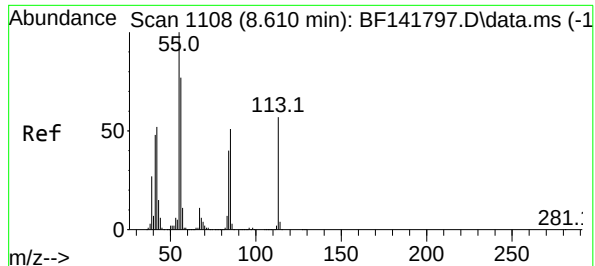


#34  
Hexachlorobutadiene  
Concen: 40.952 ng  
RT: 8.310 min Scan# 1057  
Delta R.T. 0.000 min  
Lab File: BF141797.D  
Acq: 27 Feb 2025 17:16



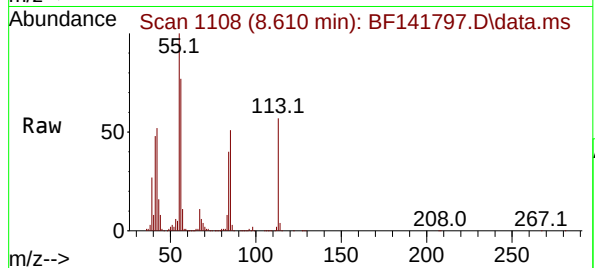
Tgt Ion:225 Resp: 459338  
Ion Ratio Lower Upper  
225 100  
223 64.3 51.4 77.2  
227 64.5 51.6 77.4





#35  
Caprolactam  
Concen: 41.695 ng m  
RT: 8.610 min Scan# 1108  
Delta R.T. 0.000 min  
Lab File: BF141797.D  
Acq: 27 Feb 2025 17:16

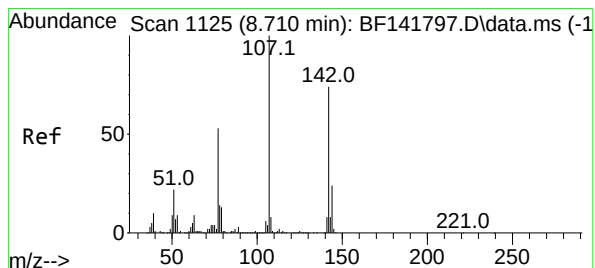
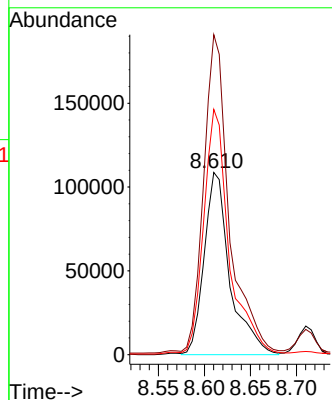
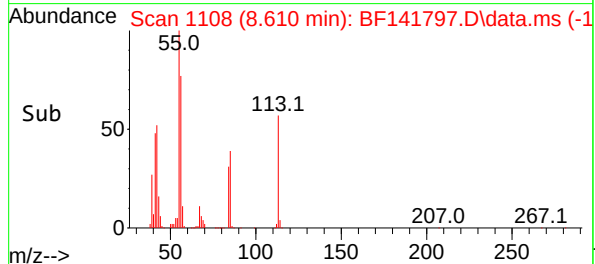
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICCC040



Tgt Ion:113 Resp: 21133  
Ion Ratio Lower Upper  
113 100  
55 175.6 155.6 195.6  
56 134.6 114.6 154.6

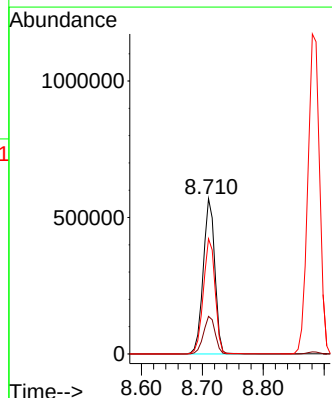
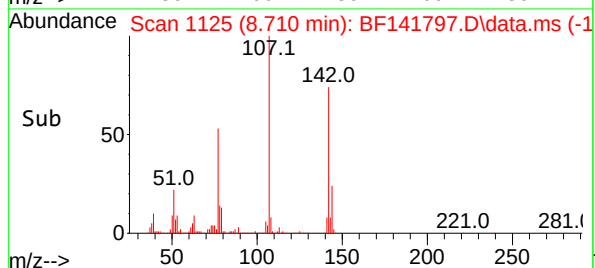
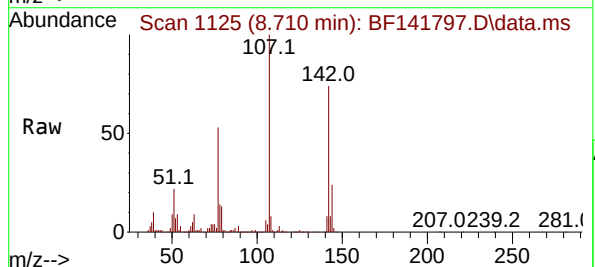
Manual Integrations  
APPROVED

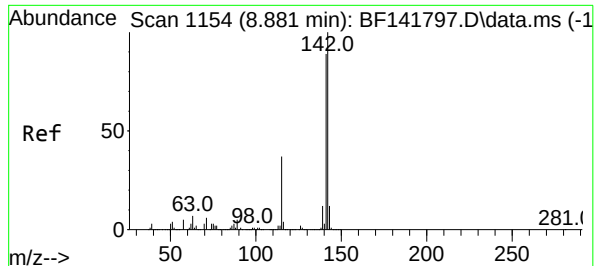
Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025



#36  
4-Chloro-3-methylphenol  
Concen: 41.148 ng  
RT: 8.710 min Scan# 1125  
Delta R.T. 0.000 min  
Lab File: BF141797.D  
Acq: 27 Feb 2025 17:16

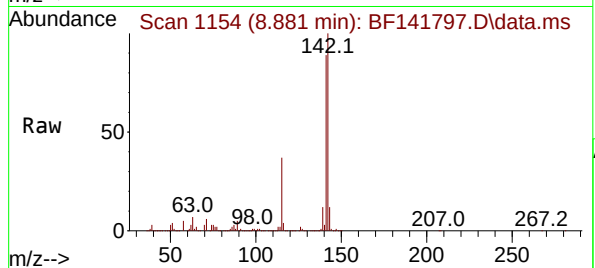
Tgt Ion:107 Resp: 752961  
Ion Ratio Lower Upper  
107 100  
144 24.2 19.4 29.0  
142 74.2 59.4 89.0





#37  
2-Methylnaphthalene  
Concen: 40.179 ng  
RT: 8.881 min Scan# 1154  
Delta R.T. 0.000 min  
Lab File: BF141797.D  
Acq: 27 Feb 2025 17:16

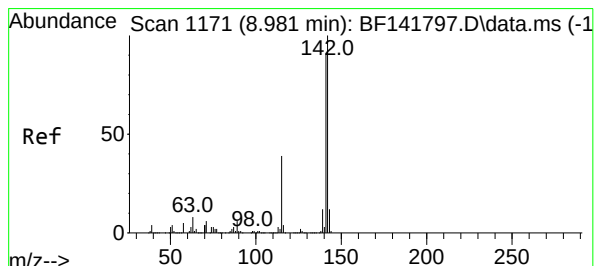
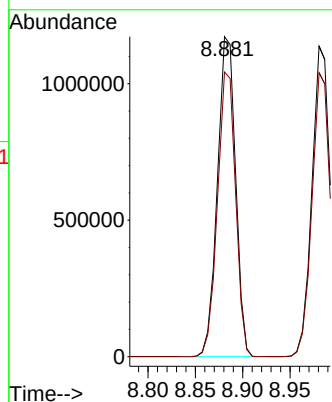
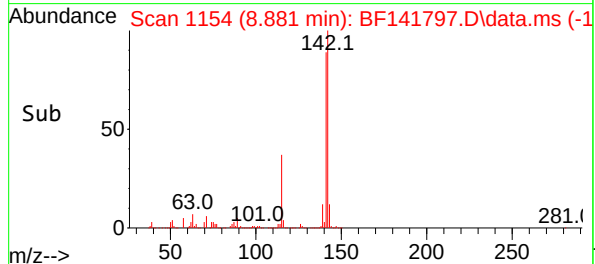
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICCC040



Tgt Ion:142 Resp: 156542  
Ion Ratio Lower Upper  
142 100  
141 88.9 71.1 106.7

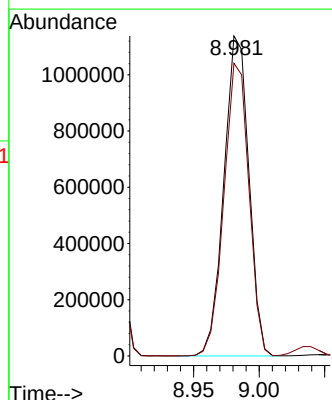
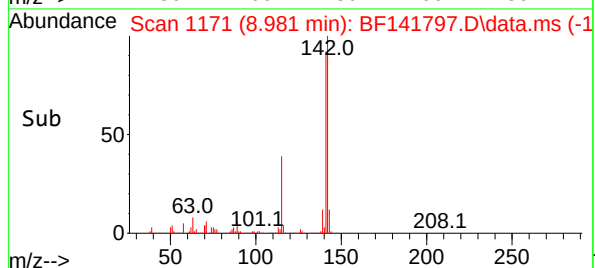
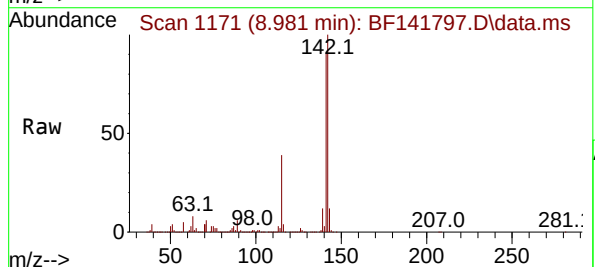
Manual Integrations  
APPROVED

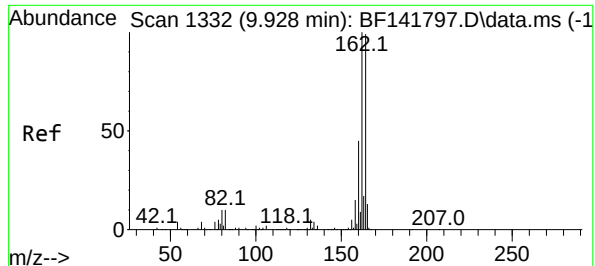
Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025



#38  
1-Methylnaphthalene  
Concen: 40.286 ng  
RT: 8.981 min Scan# 1171  
Delta R.T. 0.000 min  
Lab File: BF141797.D  
Acq: 27 Feb 2025 17:16

Tgt Ion:142 Resp: 1506039  
Ion Ratio Lower Upper  
142 100  
141 91.4 73.1 109.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.928 min Scan# 1182

Delta R.T. 0.000 min

Lab File: BF141797.D

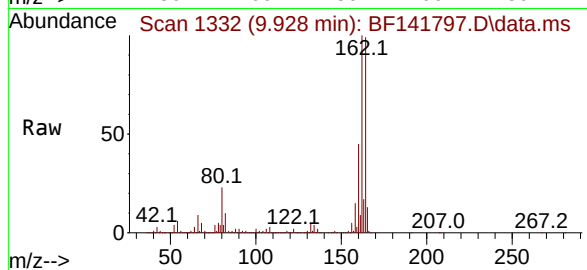
Acq: 27 Feb 2025 17:16

Instrument :

BNA\_F

ClientSampleId :

SSTDICCC040



Tgt Ion:164 Resp: 625240

Ion Ratio Lower Upper

164 100

162 100.7 80.6 120.8

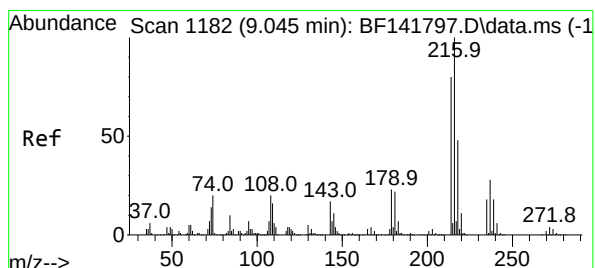
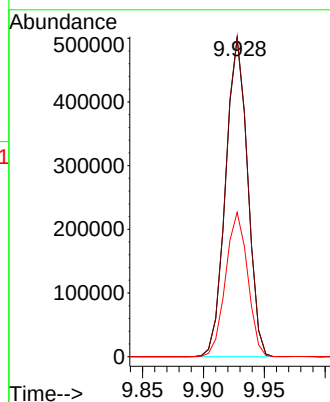
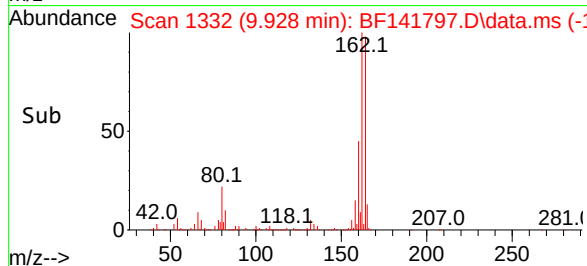
160 45.4 36.3 54.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/28/2025

Supervised By :mohammad ahmed 02/28/2025



#40

1,2,4,5-Tetrachlorobenzene

Concen: 40.786 ng

RT: 9.045 min Scan# 1182

Delta R.T. 0.000 min

Lab File: BF141797.D

Acq: 27 Feb 2025 17:16

Tgt Ion:216 Resp: 736508

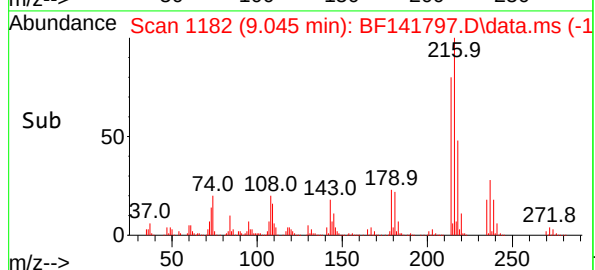
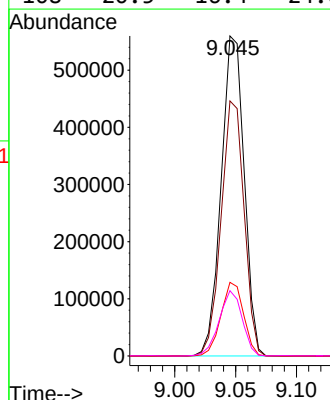
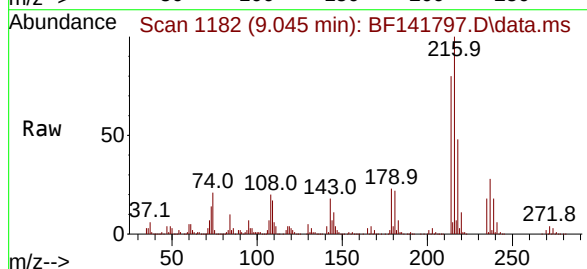
Ion Ratio Lower Upper

216 100

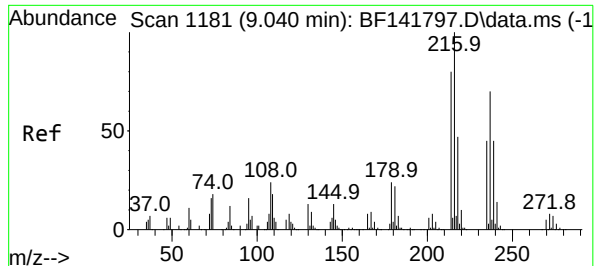
214 79.4 63.5 95.3

179 22.6 18.1 27.1

108 20.5 16.4 24.6

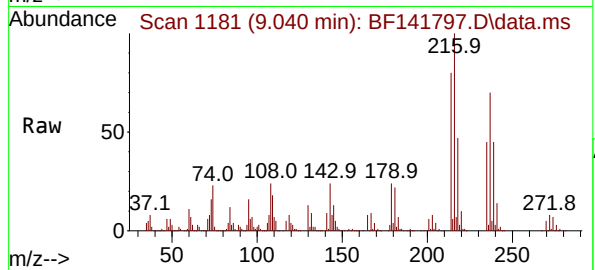






#41  
Hexachlorocyclopentadiene  
Concen: 42.882 ng  
RT: 9.040 min Scan# 1181  
Delta R.T. 0.000 min  
Lab File: BF141797.D  
Acq: 27 Feb 2025 17:16

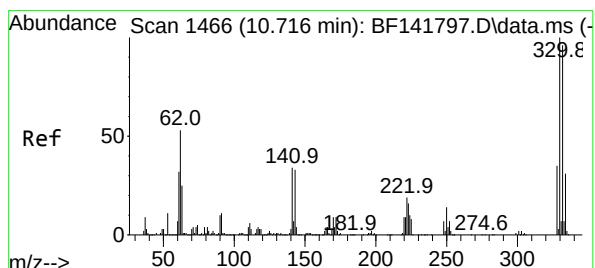
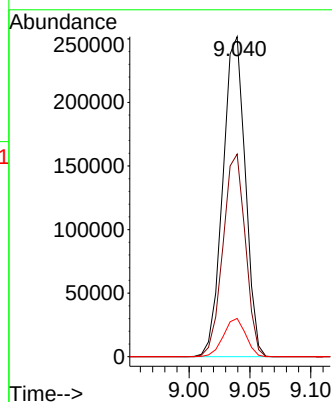
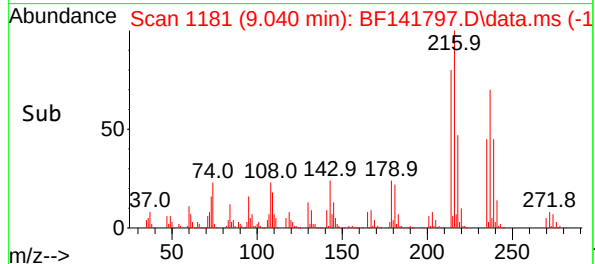
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICCC040



Tgt Ion: 237 Resp: 323162  
Ion Ratio Lower Upper  
237 100  
235 63.3 43.3 83.3  
272 11.9 0.0 31.9

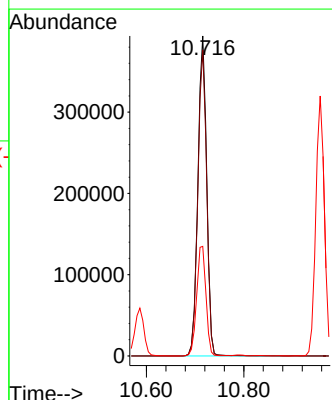
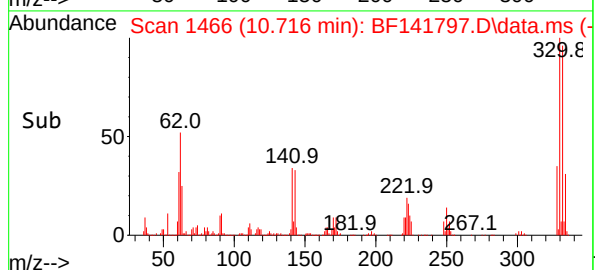
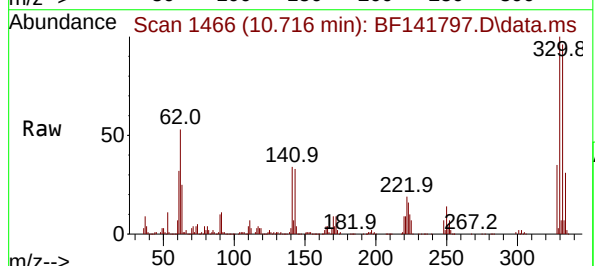
Manual Integrations  
APPROVED

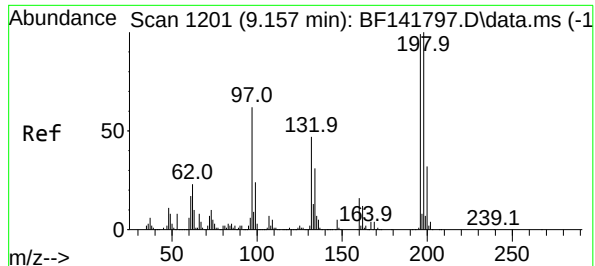
Reviewed By : Yogesh Patel 02/28/2025  
Supervised By : mohammad ahmed 02/28/2025



#42  
2,4,6-Tribromophenol  
Concen: 84.959 ng  
RT: 10.716 min Scan# 1466  
Delta R.T. 0.000 min  
Lab File: BF141797.D  
Acq: 27 Feb 2025 17:16

Tgt Ion: 330 Resp: 498702  
Ion Ratio Lower Upper  
330 100  
332 95.8 76.6 115.0  
141 36.2 29.0 43.4





#43

2,4,6-Trichlorophenol

Concen: 42.623 ng

RT: 9.157 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF141797.D

Acq: 27 Feb 2025 17:16

Instrument :

BNA\_F

ClientSampleId :

SSTDICCC040

Tgt Ion:196 Resp: 49718

Ion Ratio Lower Upper

196 100

198 100.5 80.4 120.6

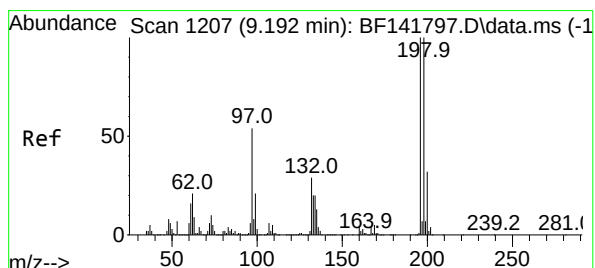
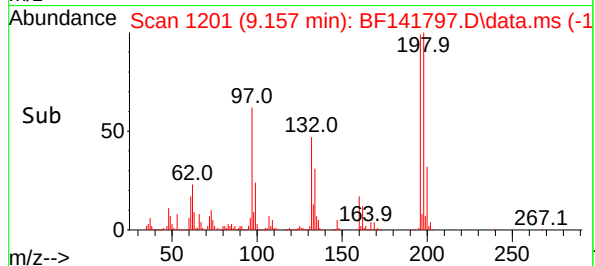
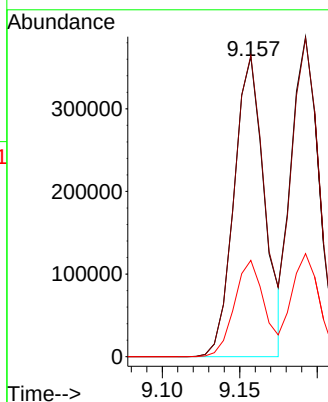
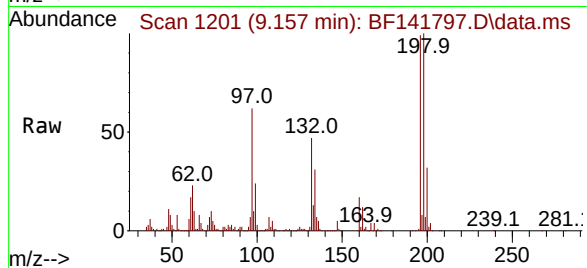
200 32.1 25.7 38.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/28/2025

Supervised By :mohammad ahmed 02/28/2025



#44

2,4,5-Trichlorophenol

Concen: 41.448 ng

RT: 9.192 min Scan# 1207

Delta R.T. 0.000 min

Lab File: BF141797.D

Acq: 27 Feb 2025 17:16

Tgt Ion:196 Resp: 478749

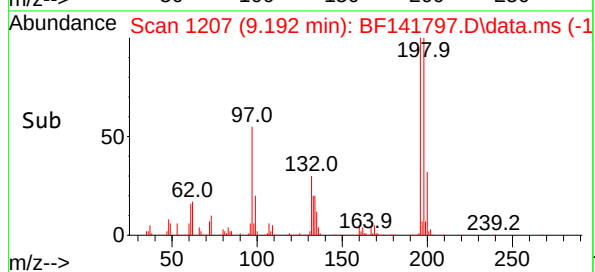
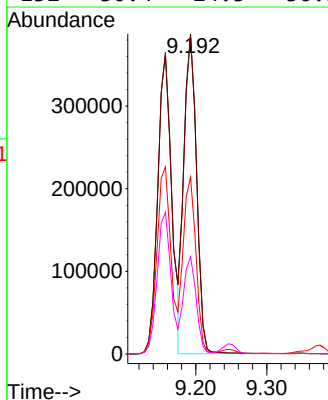
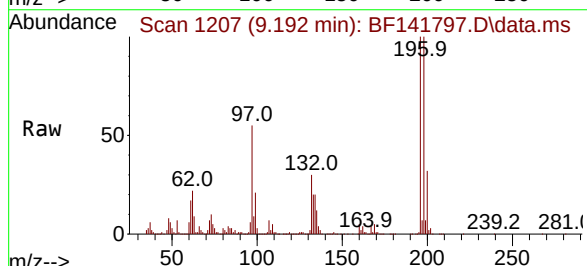
Ion Ratio Lower Upper

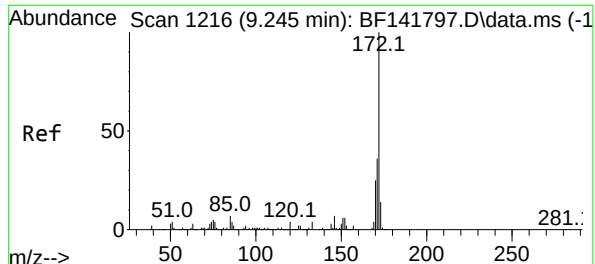
196 100

198 99.6 79.7 119.5

97 55.2 44.2 66.2

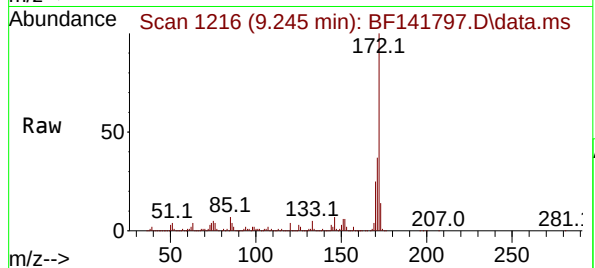
132 30.4 24.3 36.5





#45  
2-Fluorobiphenyl  
Concen: 79.348 ng  
RT: 9.245 min Scan# 1216  
Delta R.T. 0.000 min  
Lab File: BF141797.D  
Acq: 27 Feb 2025 17:16

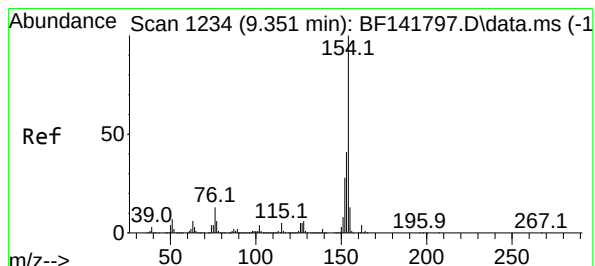
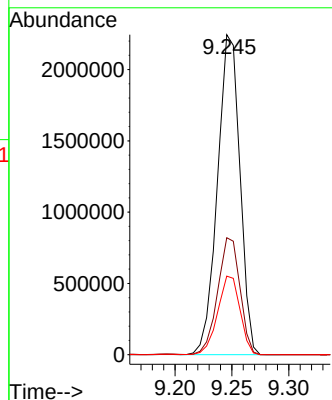
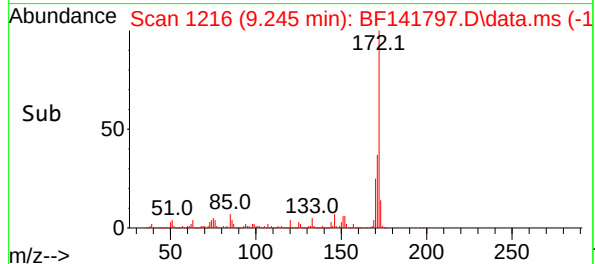
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICCC040



Tgt Ion:172 Resp: 3094072  
Ion Ratio Lower Upper  
172 100  
171 36.5 29.2 43.8  
170 24.6 19.7 29.5

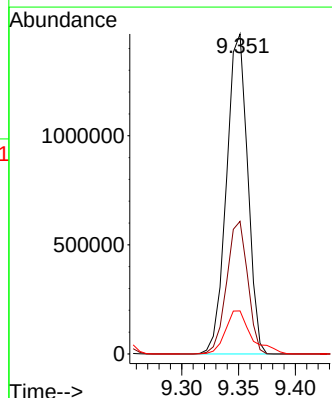
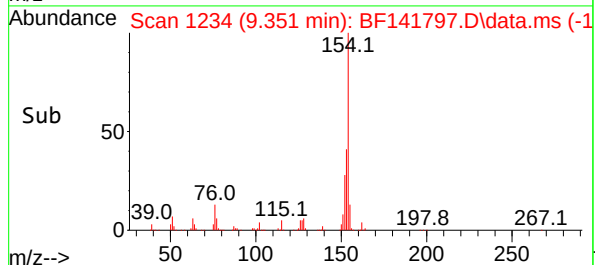
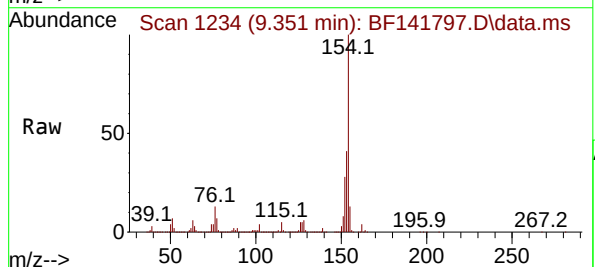
Manual Integrations  
APPROVED

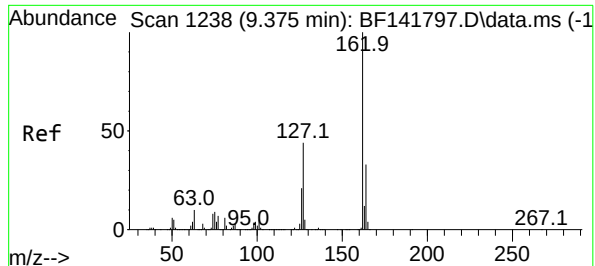
Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025



#46  
1,1'-Biphenyl  
Concen: 39.917 ng  
RT: 9.351 min Scan# 1234  
Delta R.T. 0.000 min  
Lab File: BF141797.D  
Acq: 27 Feb 2025 17:16

Tgt Ion:154 Resp: 1899694  
Ion Ratio Lower Upper  
154 100  
153 41.4 21.4 61.4  
76 13.4 0.0 33.4





#47

2-Chloronaphthalene

Concen: 40.402 ng

RT: 9.375 min Scan# 1238

Delta R.T. 0.000 min

Lab File: BF141797.D

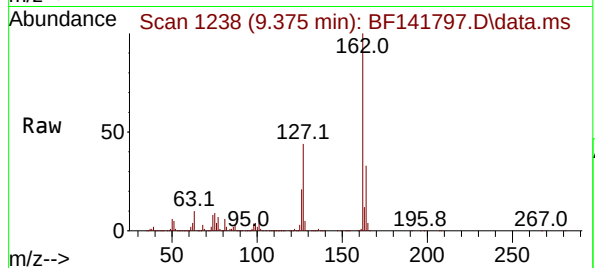
Acq: 27 Feb 2025 17:16

Instrument :

BNA\_F

ClientSampleId :

SSTDICCC040



Tgt Ion:162 Resp: 1419149

Ion Ratio Lower Upper

162 100

127 43.8 35.0 52.6

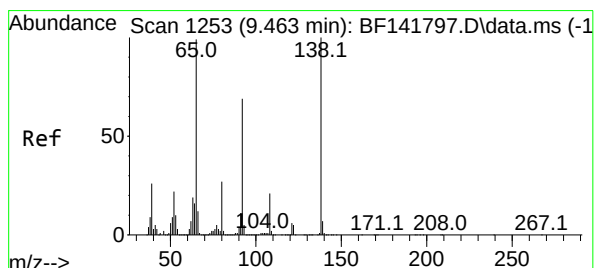
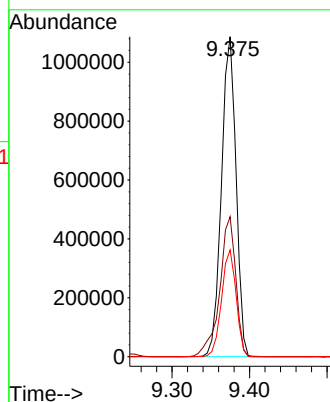
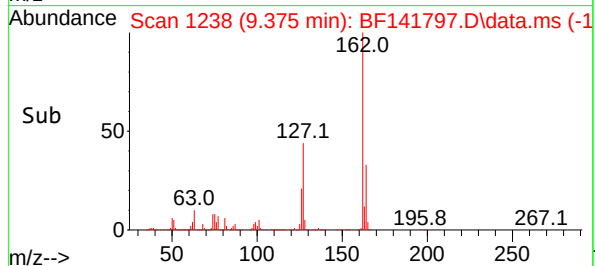
164 33.3 26.6 40.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/28/2025

Supervised By :mohammad ahmed 02/28/2025



#48

2-Nitroaniline

Concen: 39.827 ng

RT: 9.463 min Scan# 1253

Delta R.T. 0.000 min

Lab File: BF141797.D

Acq: 27 Feb 2025 17:16

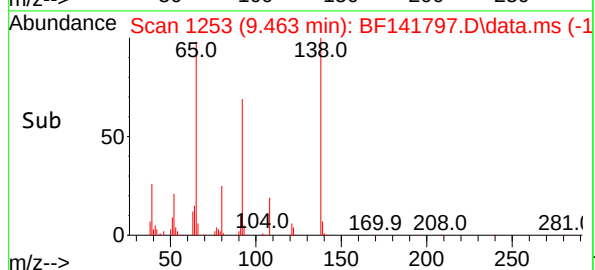
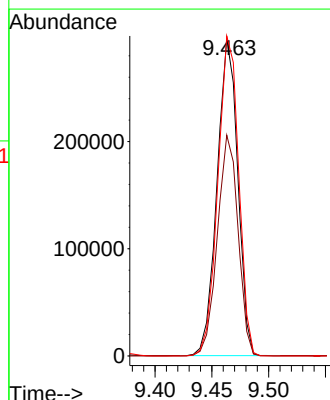
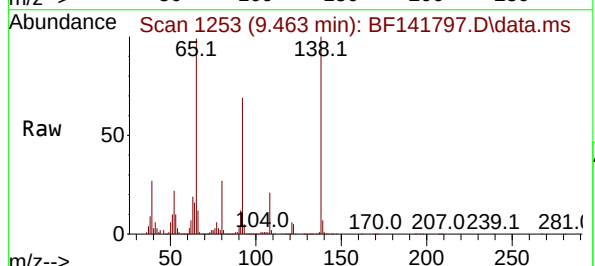
Tgt Ion: 65 Resp: 375120

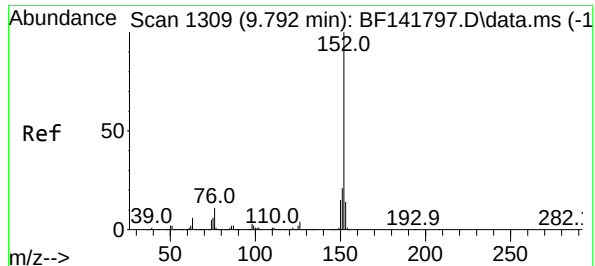
Ion Ratio Lower Upper

65 100

92 69.6 55.7 83.5

138 100.8 80.6 121.0





#49

Acenaphthylene

Concen: 40.629 ng

RT: 9.792 min Scan# 1309

Delta R.T. 0.000 min

Lab File: BF141797.D

Acq: 27 Feb 2025 17:16

Instrument :

BNA\_F

ClientSampleId :

SSTDICCC040

Tgt Ion:152 Resp: 213972

Ion Ratio Lower Upper

152 100

151 20.7 16.6 24.8

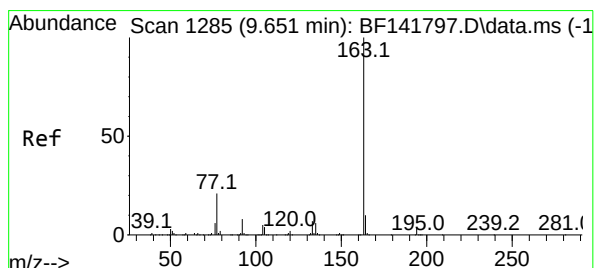
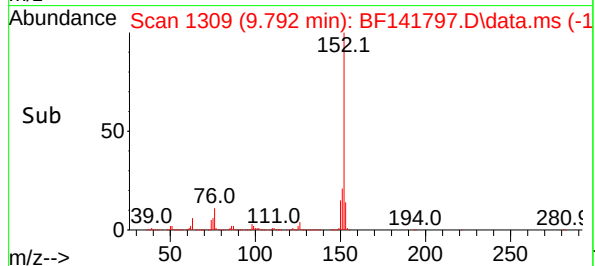
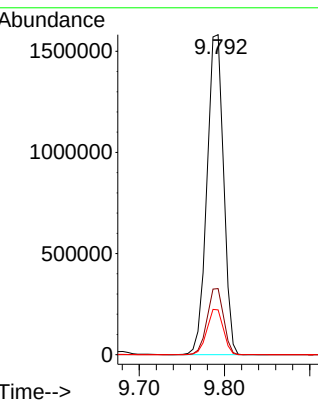
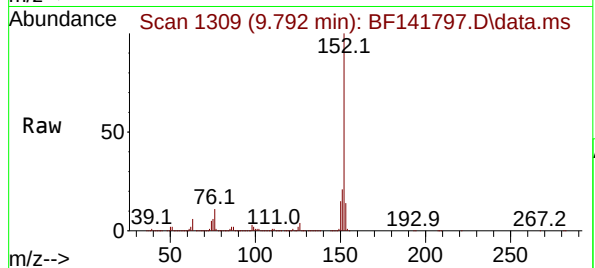
153 14.0 11.2 16.8

Manual Integrations

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Reviewed By :Yogesh Patel 02/28/2025

Supervised By :mohammad ahmed 02/28/2025



#50

Dimethylphthalate

Concen: 40.710 ng

RT: 9.651 min Scan# 1285

Delta R.T. 0.000 min

Lab File: BF141797.D

Acq: 27 Feb 2025 17:16

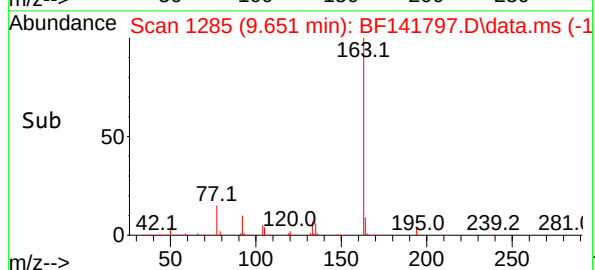
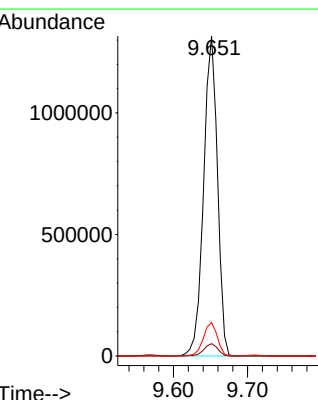
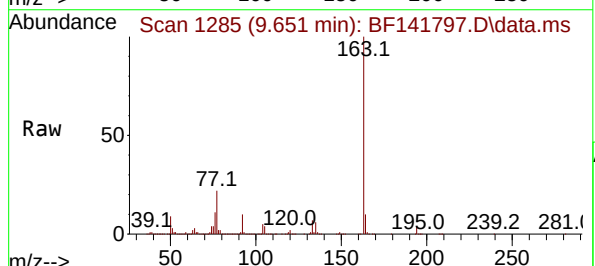
Tgt Ion:163 Resp: 1704601

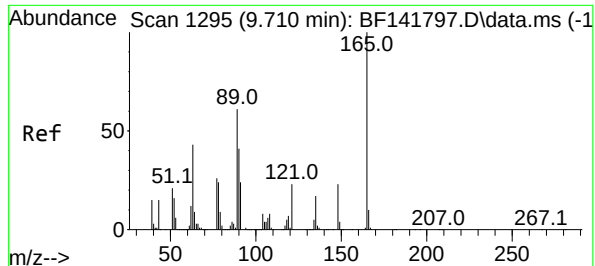
Ion Ratio Lower Upper

163 100

194 3.9 3.1 4.7

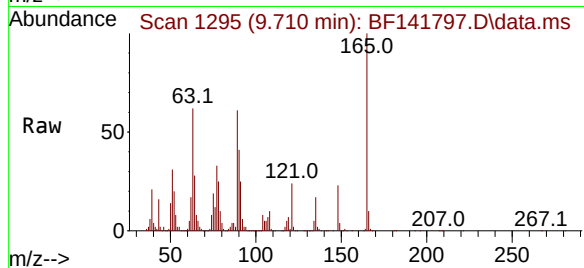
164 10.5 8.4 12.6





#51  
2,6-Dinitrotoluene  
Concen: 40.557 ng  
RT: 9.710 min Scan# 1295  
Delta R.T. 0.000 min  
Lab File: BF141797.D  
Acq: 27 Feb 2025 17:16

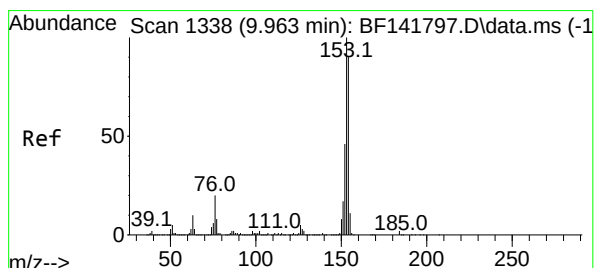
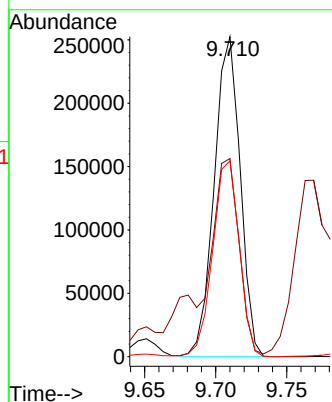
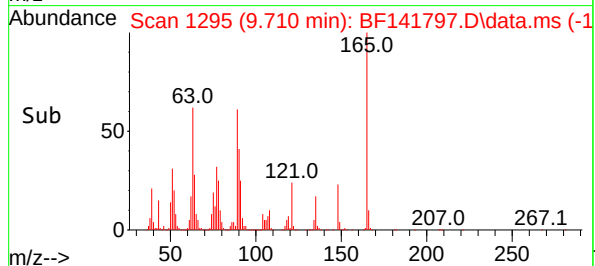
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICCC040



Tgt Ion:165 Resp: 321129  
Ion Ratio Lower Upper  
165 100  
63 61.9 49.5 74.3  
89 61.2 49.0 73.4

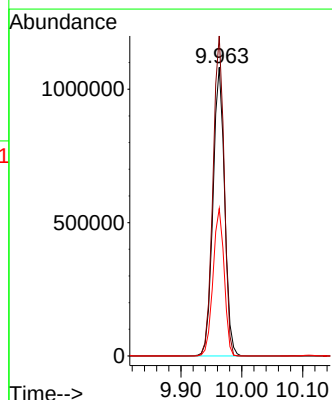
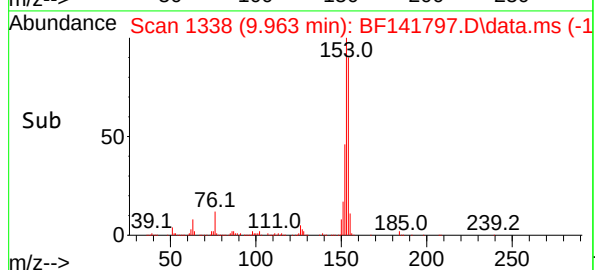
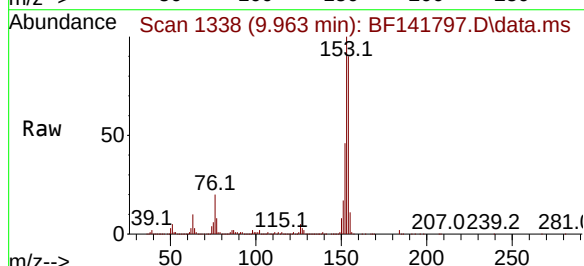
Manual Integrations  
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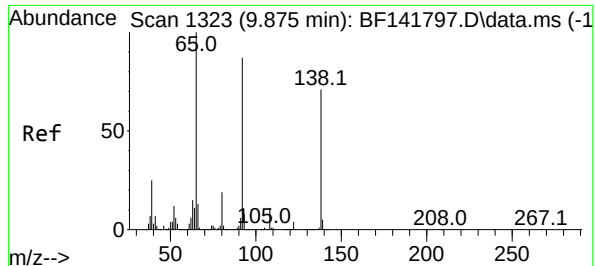
Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025



#52  
Acenaphthene  
Concen: 40.461 ng  
RT: 9.963 min Scan# 1338  
Delta R.T. 0.000 min  
Lab File: BF141797.D  
Acq: 27 Feb 2025 17:16

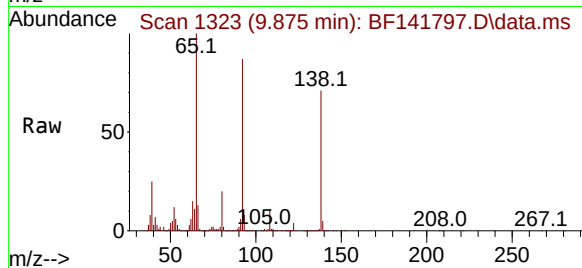
Tgt Ion:154 Resp: 1437821  
Ion Ratio Lower Upper  
154 100  
153 110.9 88.7 133.1  
152 51.1 40.9 61.3





#53  
3-Nitroaniline  
Concen: 41.045 ng  
RT: 9.875 min Scan# 1323  
Delta R.T. -0.000 min  
Lab File: BF141797.D  
Acq: 27 Feb 2025 17:16

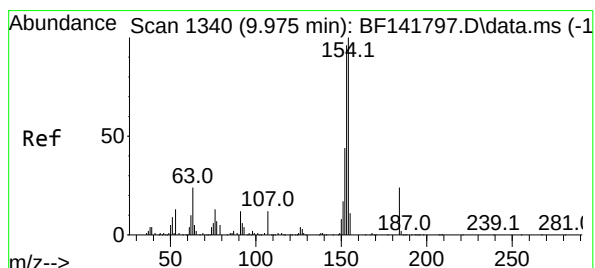
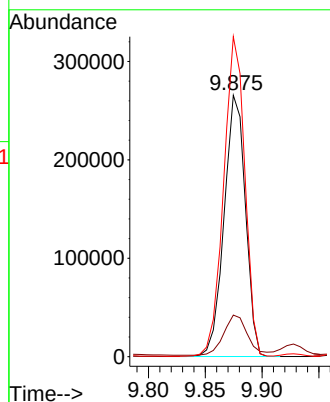
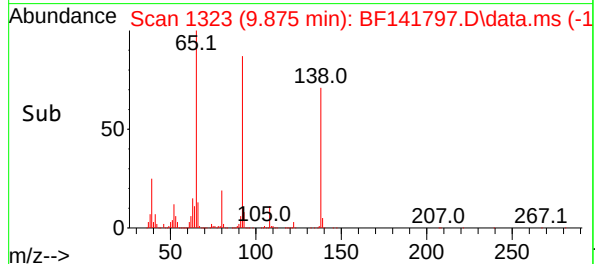
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICCC040



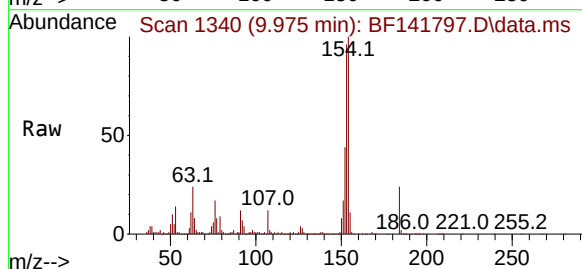
Tgt Ion:138 Resp: 346294  
Ion Ratio Lower Upper  
138 100  
108 15.9 12.7 19.1  
92 122.4 97.9 146.9

Manual Integrations  
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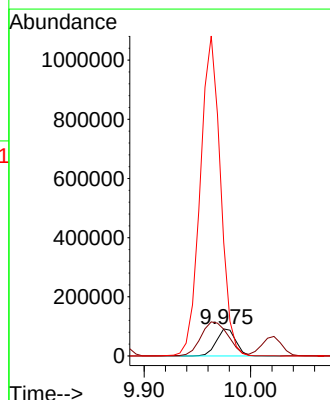
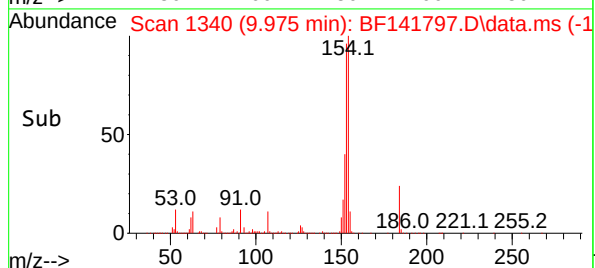
Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025

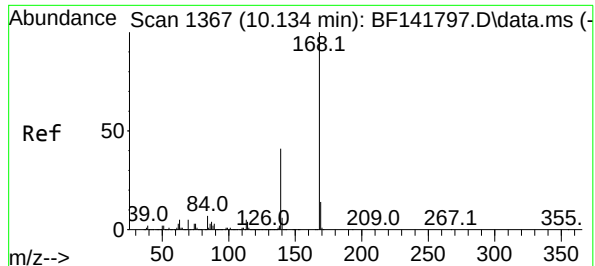


#54  
2,4-Dinitrophenol  
Concen: 39.874 ng  
RT: 9.975 min Scan# 1340  
Delta R.T. -0.000 min  
Lab File: BF141797.D  
Acq: 27 Feb 2025 17:16



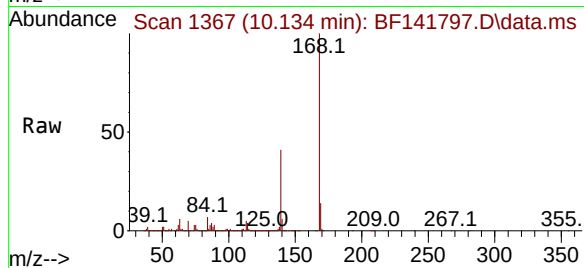
Tgt Ion:184 Resp: 115933  
Ion Ratio Lower Upper  
184 100  
63 98.8 79.0 118.6  
154 419.8 335.8 503.8





#55  
Dibenzenofuran  
Concen: 40.198 ng  
RT: 10.134 min Scan# 1367  
Delta R.T. 0.000 min  
Lab File: BF141797.D  
Acq: 27 Feb 2025 17:16

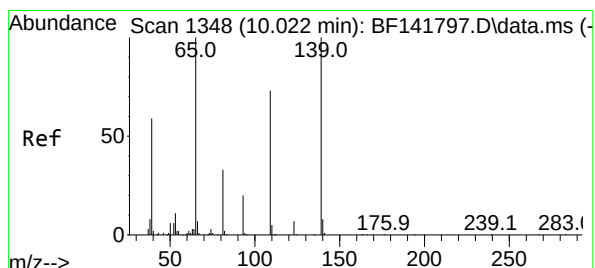
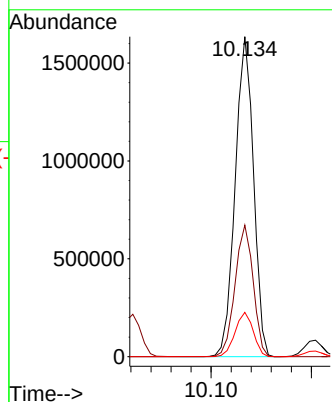
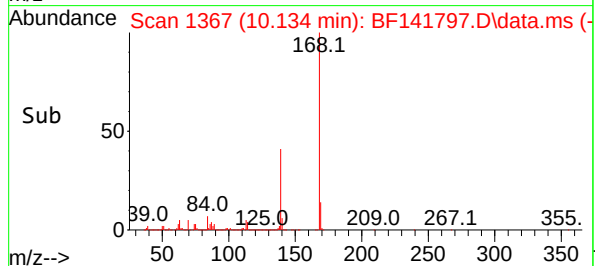
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICCC040



Tgt Ion:168 Resp: 2079139  
Ion Ratio Lower Upper  
168 100  
139 41.1 32.9 49.3  
169 13.9 11.1 16.7

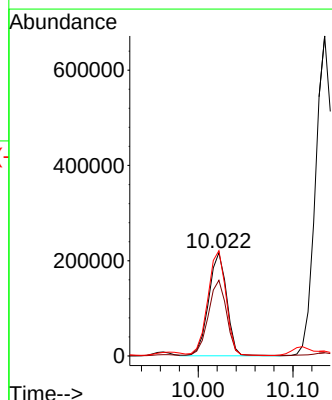
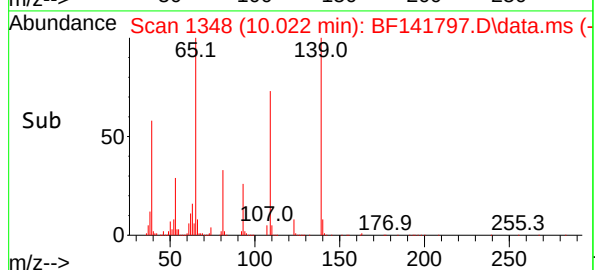
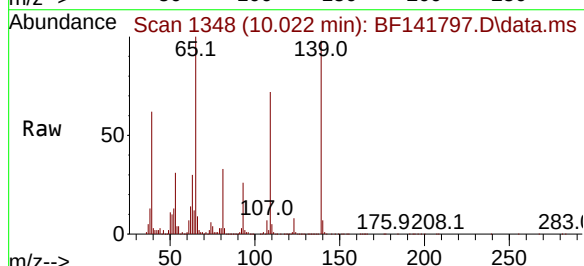
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025

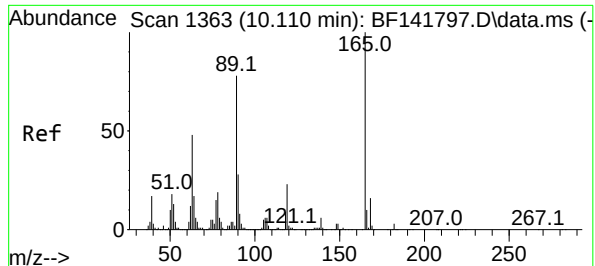


#56  
4-Nitrophenol  
Concen: 46.172 ng  
RT: 10.022 min Scan# 1348  
Delta R.T. 0.000 min  
Lab File: BF141797.D  
Acq: 27 Feb 2025 17:16

Tgt Ion:139 Resp: 285537  
Ion Ratio Lower Upper  
139 100  
109 73.4 53.4 93.4  
65 102.1 82.1 122.1

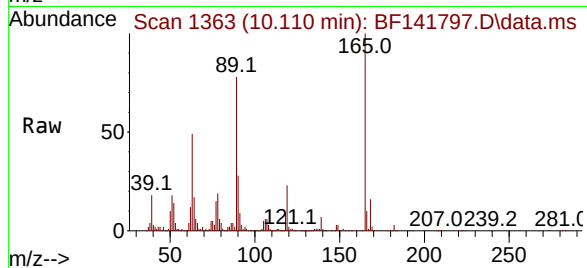






#57  
2,4-Dinitrotoluene  
Concen: 40.635 ng  
RT: 10.110 min Scan# 1363  
Delta R.T. 0.000 min  
Lab File: BF141797.D  
Acq: 27 Feb 2025 17:16

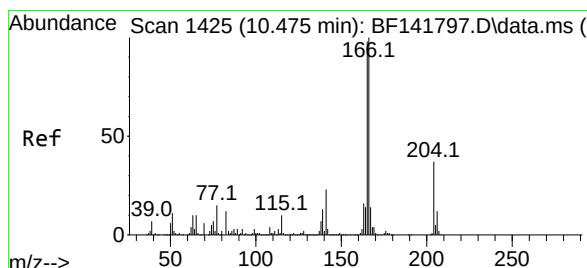
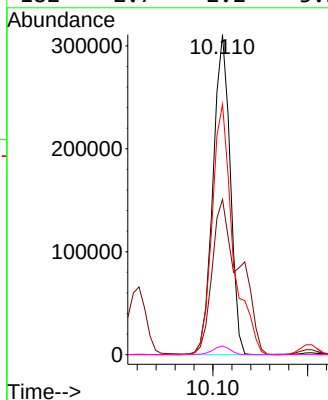
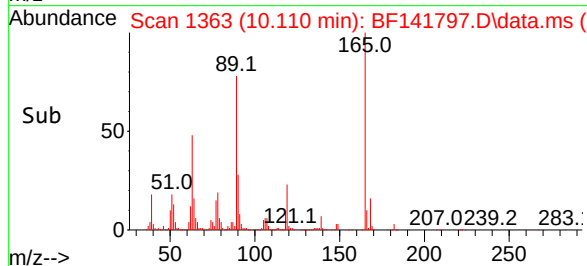
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICCC040



Tgt Ion:165 Resp: 391858  
Ion Ratio Lower Upper  
165 100  
63 48.5 38.8 58.2  
89 78.3 62.6 94.0  
182 2.7 2.2 3.2

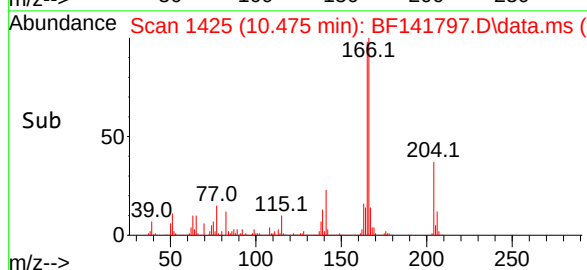
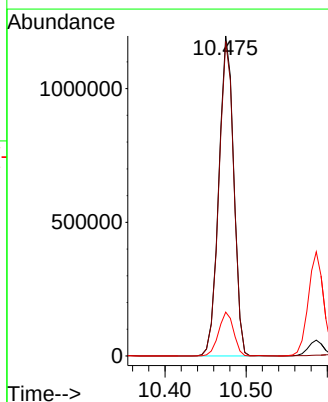
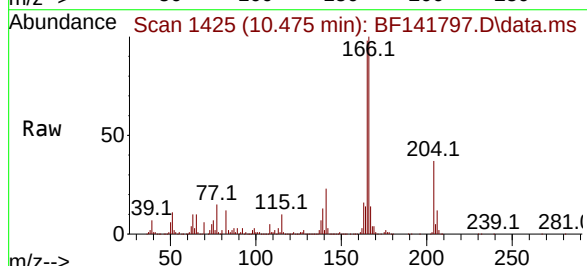
Manual Integrations  
APPROVED

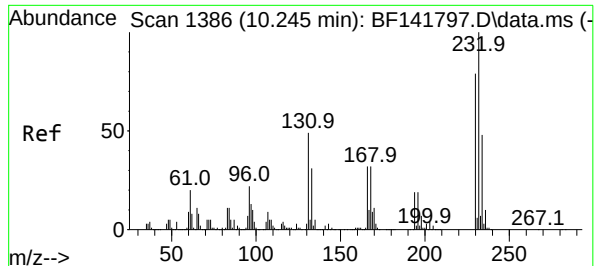
Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025



#58  
Fluorene  
Concen: 39.650 ng  
RT: 10.475 min Scan# 1425  
Delta R.T. 0.000 min  
Lab File: BF141797.D  
Acq: 27 Feb 2025 17:16

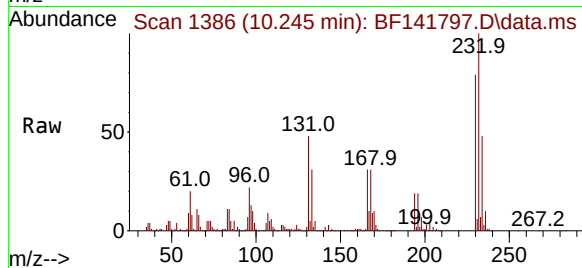
Tgt Ion:166 Resp: 1536139  
Ion Ratio Lower Upper  
166 100  
165 98.2 78.6 117.8  
167 13.7 11.0 16.4





#59  
2,3,4,6-Tetrachlorophenol  
Concen: 42.235 ng  
RT: 10.245 min Scan# 1386  
Delta R.T. 0.000 min  
Lab File: BF141797.D  
Acq: 27 Feb 2025 17:16

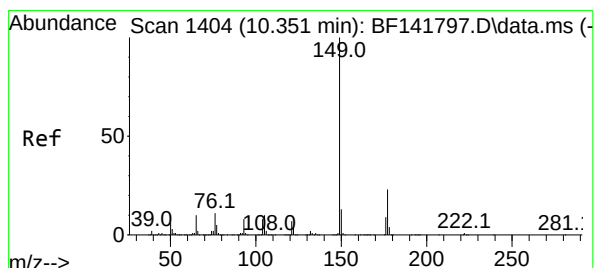
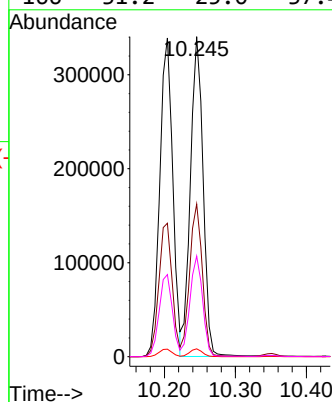
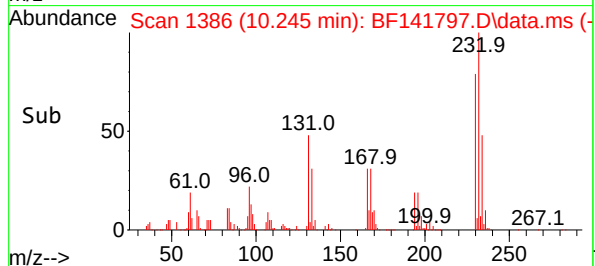
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICCC040



Tgt Ion:232 Resp: 424271  
Ion Ratio Lower Upper  
232 100  
131 47.3 37.8 56.8  
130 2.5 2.0 3.0  
166 31.2 25.0 37.4

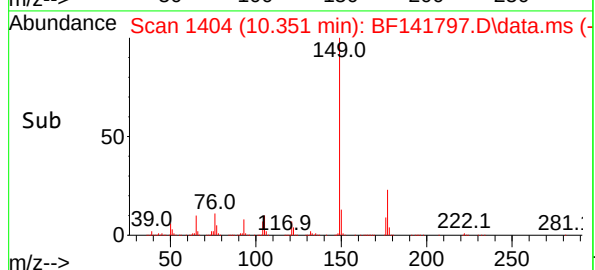
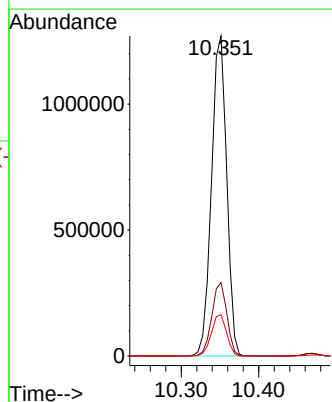
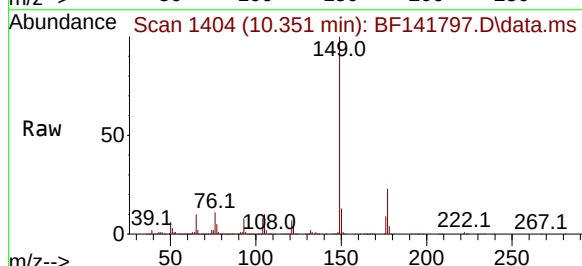
Manual Integrations  
APPROVED

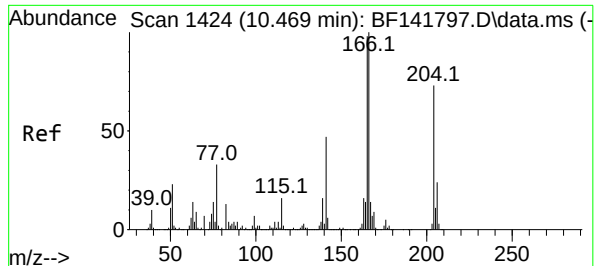
Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025



#60  
Diethylphthalate  
Concen: 41.203 ng  
RT: 10.351 min Scan# 1404  
Delta R.T. 0.000 min  
Lab File: BF141797.D  
Acq: 27 Feb 2025 17:16

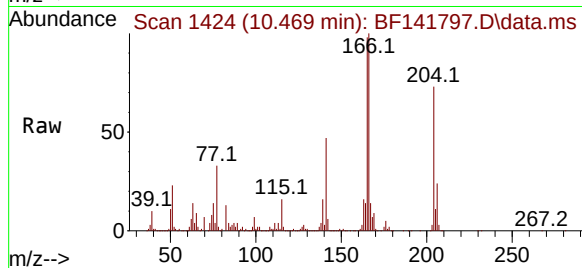
Tgt Ion:149 Resp: 1729522  
Ion Ratio Lower Upper  
149 100  
177 22.9 18.3 27.5  
150 12.9 10.3 15.5





#61  
4-Chlorophenyl-phenylether  
Concen: 39.939 ng  
RT: 10.469 min Scan# 1424  
Delta R.T. 0.000 min  
Lab File: BF141797.D  
Acq: 27 Feb 2025 17:16

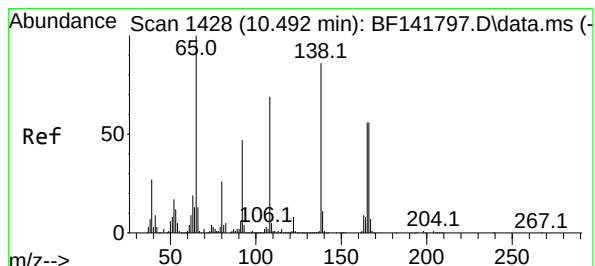
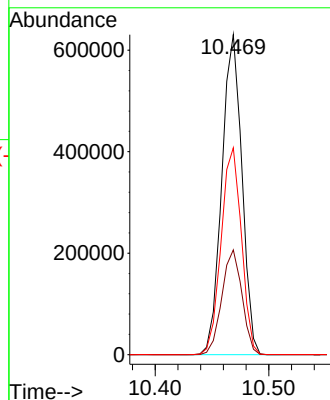
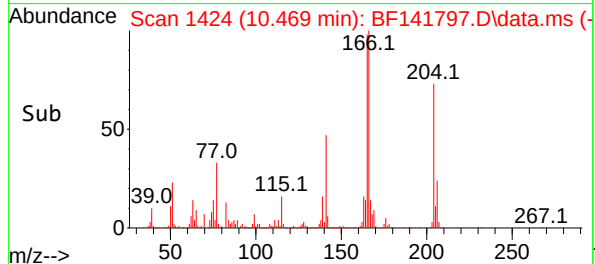
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICCC040



Tgt Ion:204 Resp: 775274  
Ion Ratio Lower Upper  
204 100  
206 32.8 26.2 39.4  
141 64.6 51.7 77.5

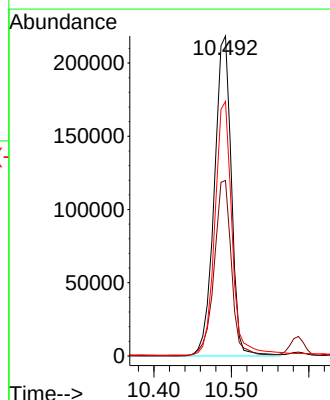
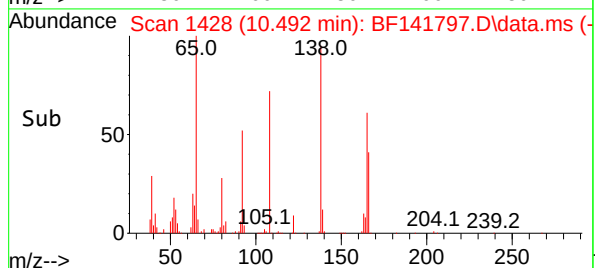
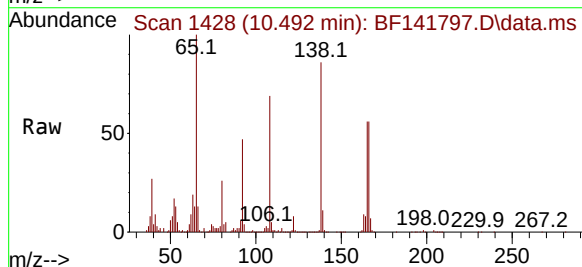
Manual Integrations  
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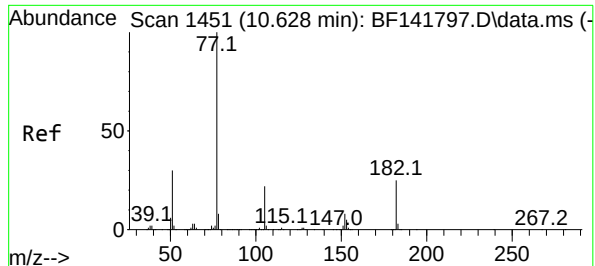
Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025



#62  
4-Nitroaniline  
Concen: 46.685 ng  
RT: 10.492 min Scan# 1428  
Delta R.T. 0.000 min  
Lab File: BF141797.D  
Acq: 27 Feb 2025 17:16

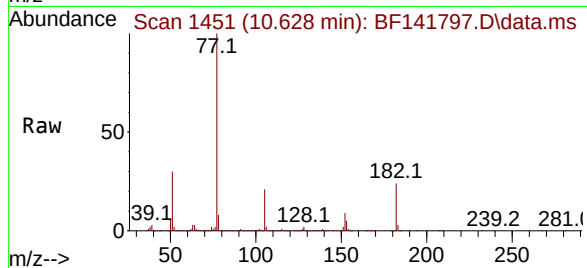
Tgt Ion:138 Resp: 333830  
Ion Ratio Lower Upper  
138 100  
92 54.9 34.9 74.9  
108 79.6 59.6 99.6





#63  
Azobenzene  
Concen: 40.657 ng  
RT: 10.628 min Scan# 1451  
Delta R.T. 0.000 min  
Lab File: BF141797.D  
Acq: 27 Feb 2025 17:16

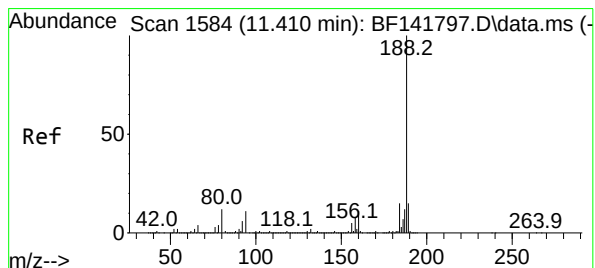
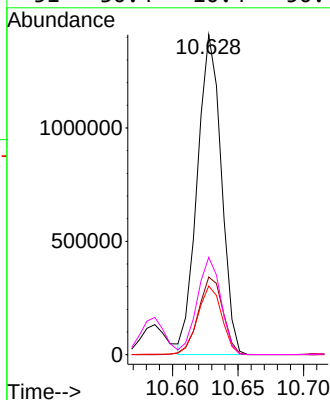
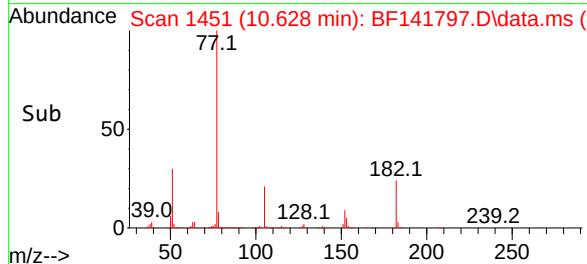
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICCC040



Tgt Ion: 77 Resp: 1796900  
Ion Ratio Lower Upper  
77 100  
182 24.2 4.2 44.2  
105 21.5 1.5 41.5  
51 30.4 10.4 50.4

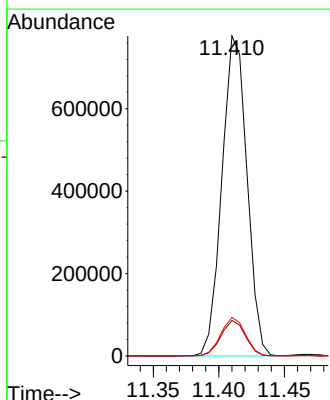
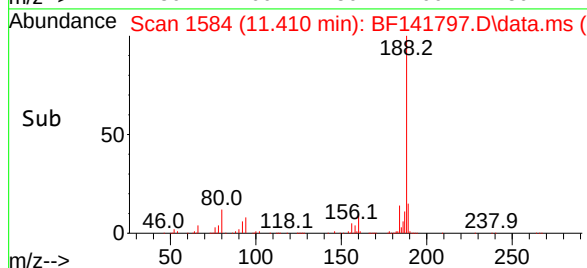
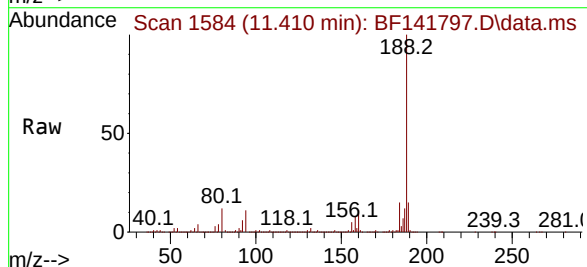
Manual Integrations  
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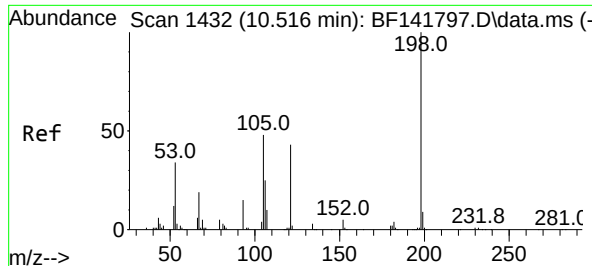
Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.410 min Scan# 1584  
Delta R.T. 0.000 min  
Lab File: BF141797.D  
Acq: 27 Feb 2025 17:16

Tgt Ion:188 Resp: 1031875  
Ion Ratio Lower Upper  
188 100  
94 11.1 8.9 13.3  
80 12.1 9.7 14.5





#65

4,6-Dinitro-2-methylphenol

Concen: 38.731 ng

RT: 10.516 min Scan# 1432

Delta R.T. -0.000 min

Lab File: BF141797.D

Acq: 27 Feb 2025 17:16

Instrument :

BNA\_F

ClientSampleId :

SSTDICCC040

Tgt Ion:198 Resp: 179018

Ion Ratio Lower Upper

198 100

51 52.1 32.1 72.1

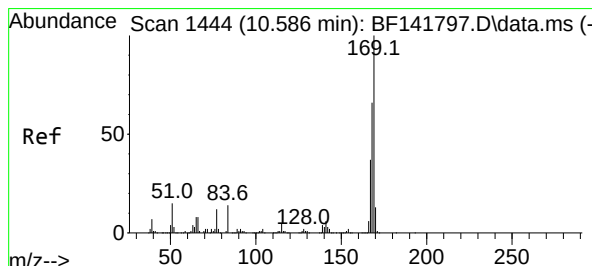
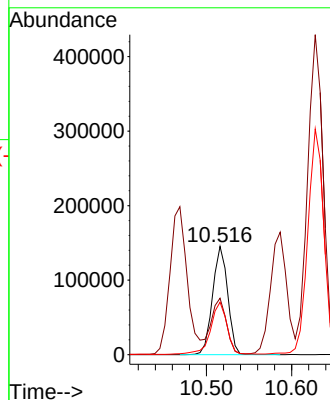
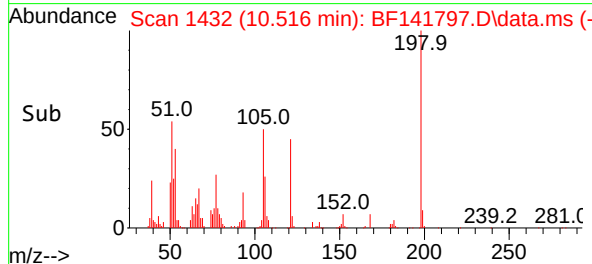
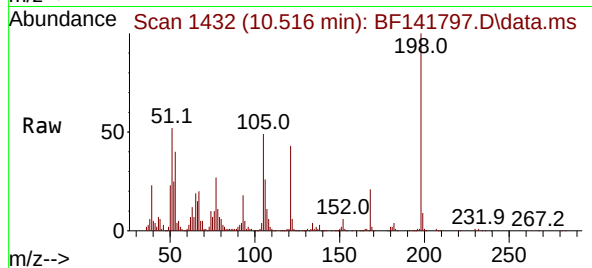
105 48.5 28.5 68.5

Manual Integrations

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Reviewed By :Yogesh Patel 02/28/2025

Supervised By :mohammad ahmed 02/28/2025



#66

n-Nitrosodiphenylamine

Concen: 40.485 ng

RT: 10.586 min Scan# 1444

Delta R.T. 0.000 min

Lab File: BF141797.D

Acq: 27 Feb 2025 17:16

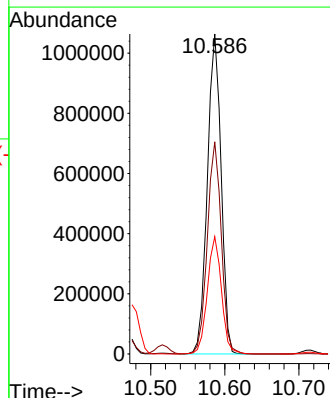
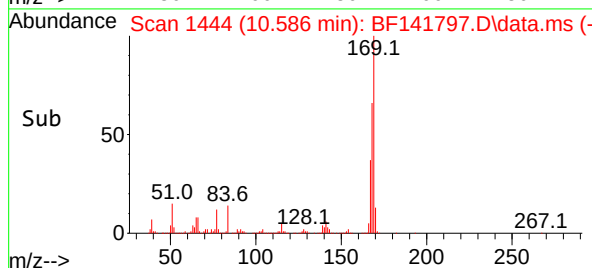
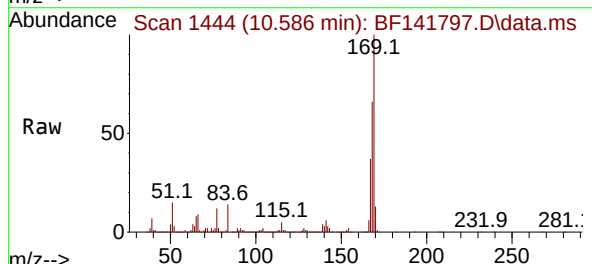
Tgt Ion:169 Resp: 1371761

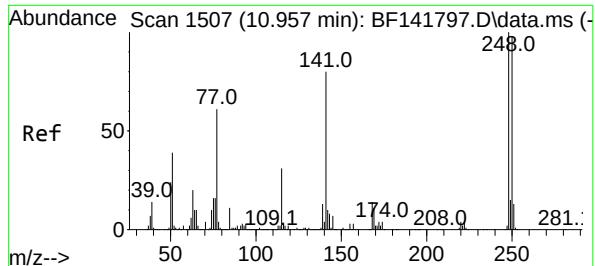
Ion Ratio Lower Upper

169 100

168 66.3 53.0 79.6

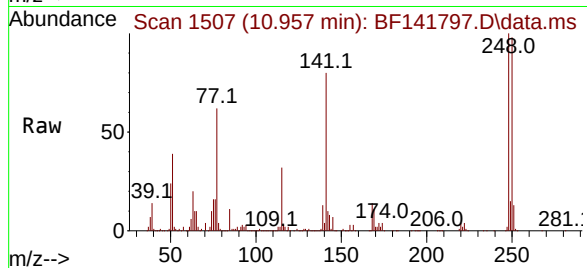
167 36.6 29.3 43.9





#67  
4-Bromophenyl-phenylether  
Concen: 40.722 ng  
RT: 10.957 min Scan# 1507  
Delta R.T. 0.000 min  
Lab File: BF141797.D  
Acq: 27 Feb 2025 17:16

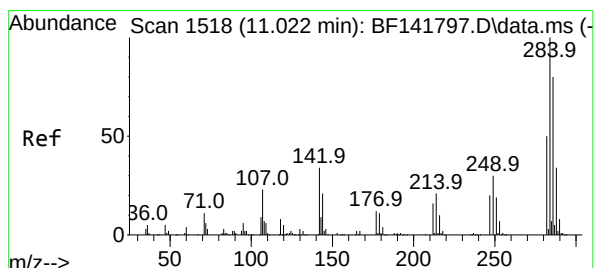
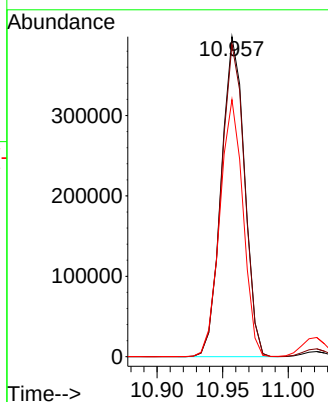
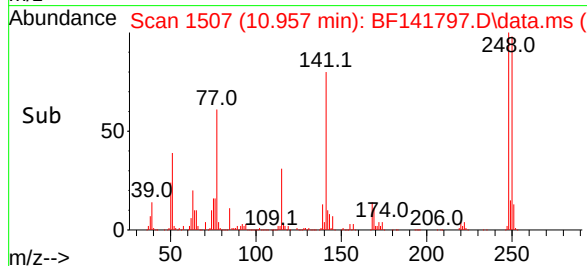
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICCC040



Tgt Ion:248 Resp: 490810  
Ion Ratio Lower Upper  
248 100  
250 97.6 78.1 117.1  
141 80.4 64.3 96.5

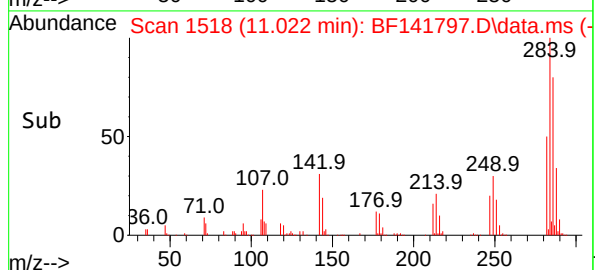
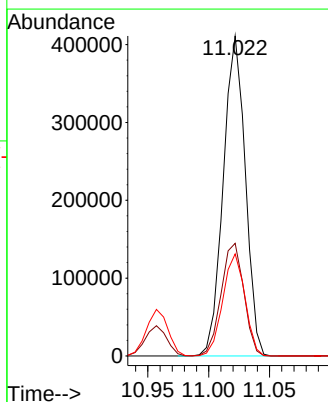
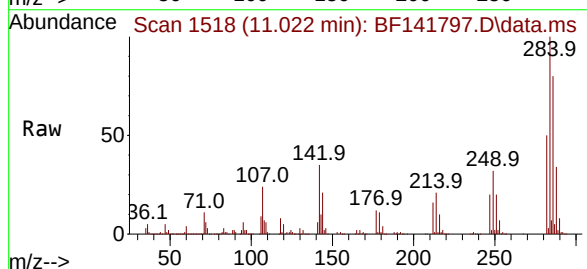
Manual Integrations  
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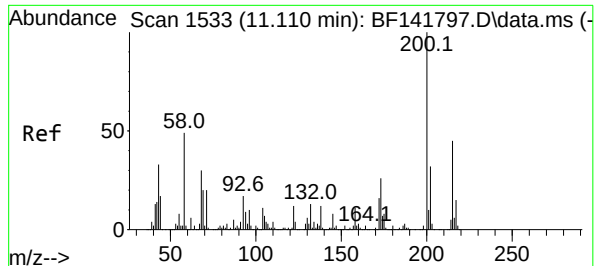
Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025



#68  
Hexachlorobenzene  
Concen: 40.721 ng  
RT: 11.022 min Scan# 1518  
Delta R.T. 0.000 min  
Lab File: BF141797.D  
Acq: 27 Feb 2025 17:16

Tgt Ion:284 Resp: 518266  
Ion Ratio Lower Upper  
284 100  
142 35.2 28.2 42.2  
249 31.9 25.5 38.3





#69

Atrazine

Concen: 39.649 ng

RT: 11.110 min Scan# 1533

Delta R.T. -0.000 min

Lab File: BF141797.D

Acq: 27 Feb 2025 17:16

Instrument :

BNA\_F

ClientSampleId :

SSTDICCC040

Tgt Ion:200 Resp: 369439

Ion Ratio Lower Upper

200 100

173 25.6 5.6 45.6

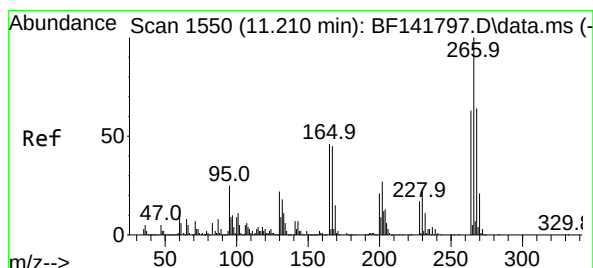
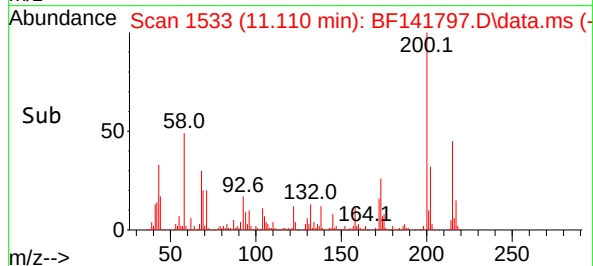
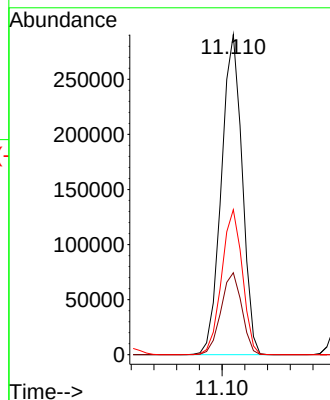
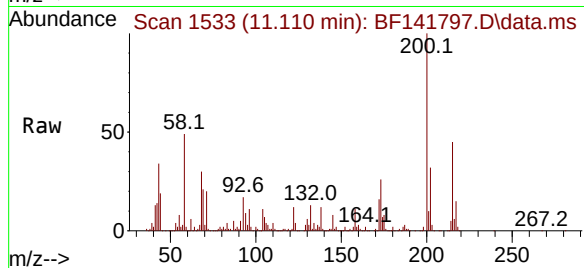
215 45.3 25.3 65.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/28/2025

Supervised By :mohammad ahmed 02/28/2025



#70

Pentachlorophenol

Concen: 43.086 ng

RT: 11.210 min Scan# 1550

Delta R.T. 0.000 min

Lab File: BF141797.D

Acq: 27 Feb 2025 17:16

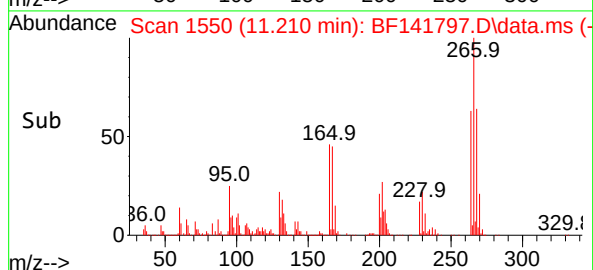
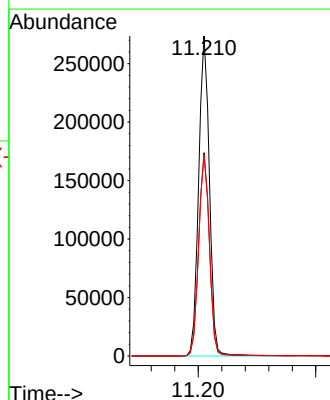
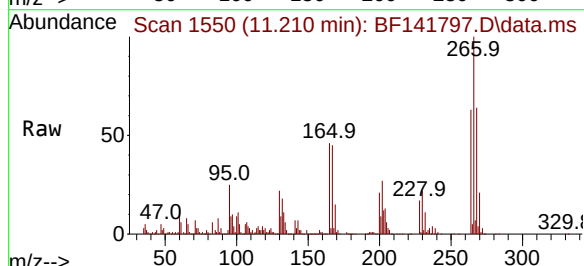
Tgt Ion:266 Resp: 347791

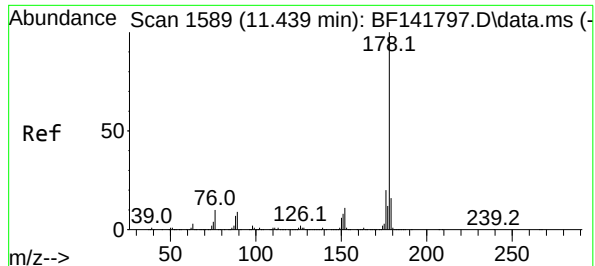
Ion Ratio Lower Upper

266 100

268 63.6 50.9 76.3

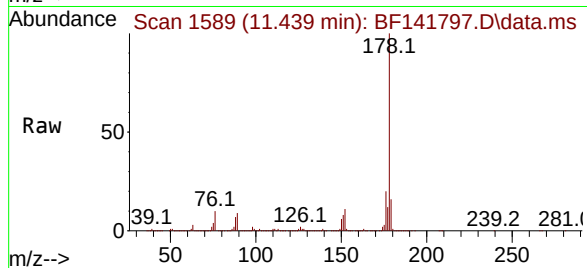
264 62.8 50.2 75.4





#71  
Phenanthrene  
Concen: 40.130 ng  
RT: 11.439 min Scan# 1589  
Delta R.T. 0.000 min  
Lab File: BF141797.D  
Acq: 27 Feb 2025 17:16

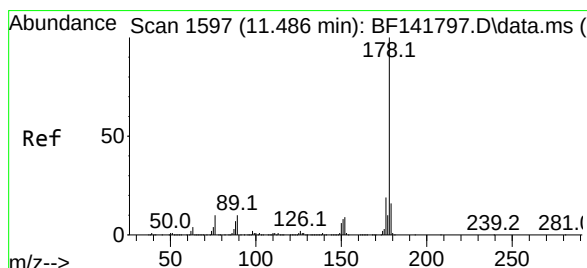
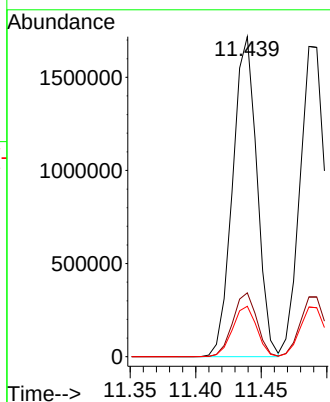
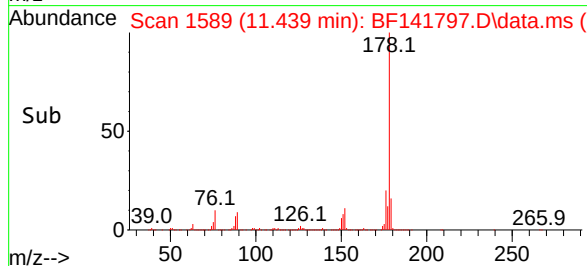
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICCC040



Tgt Ion:178 Resp: 221495  
Ion Ratio Lower Upper  
178 100  
176 20.0 16.0 24.0  
179 15.8 12.6 19.0

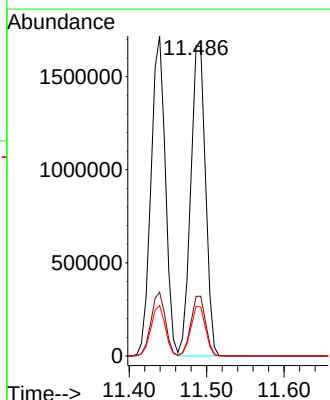
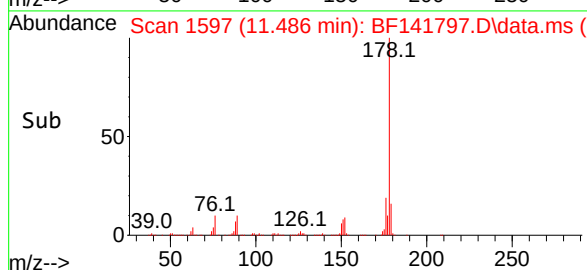
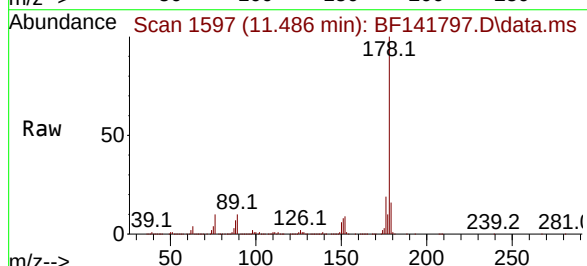
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025

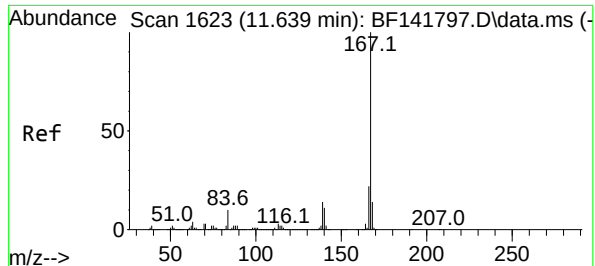


#72  
Anthracene  
Concen: 39.845 ng  
RT: 11.486 min Scan# 1597  
Delta R.T. 0.000 min  
Lab File: BF141797.D  
Acq: 27 Feb 2025 17:16

Tgt Ion:178 Resp: 2204147  
Ion Ratio Lower Upper  
178 100  
176 19.2 15.4 23.0  
179 16.0 12.8 19.2

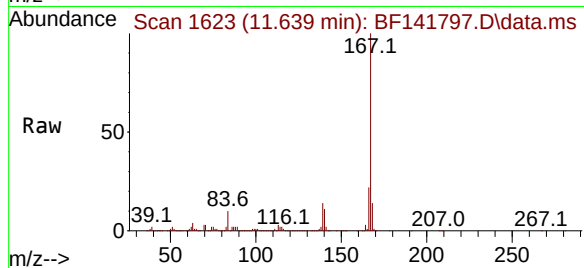






#73  
Carbazole  
Concen: 40.358 ng  
RT: 11.639 min Scan# 1623  
Delta R.T. 0.000 min  
Lab File: BF141797.D  
Acq: 27 Feb 2025 17:16

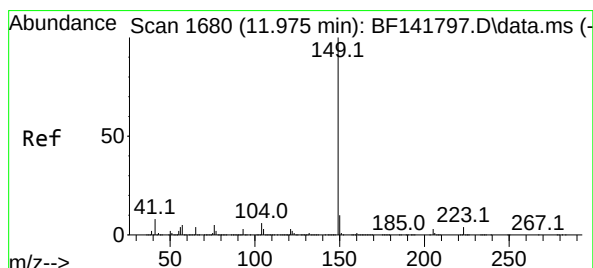
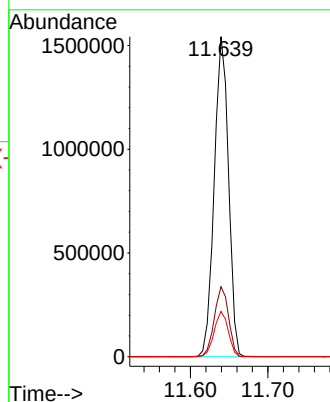
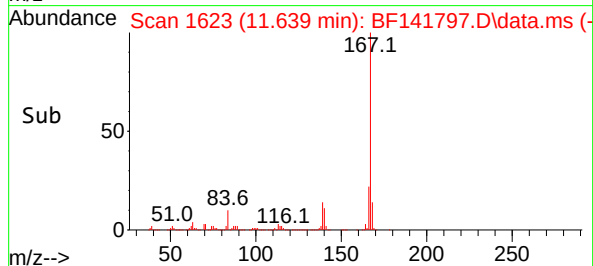
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICCC040



Tgt Ion:167 Resp: 197149  
Ion Ratio Lower Upper  
167 100  
166 21.9 17.5 26.3  
139 14.1 11.3 16.9

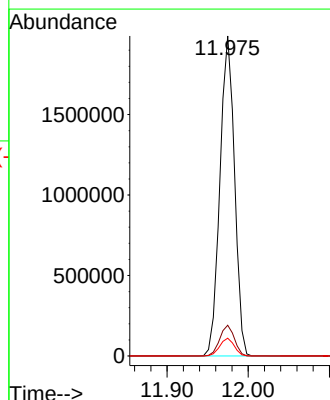
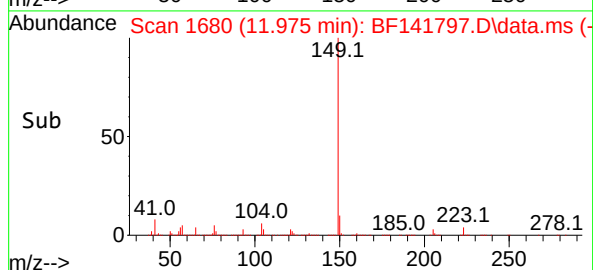
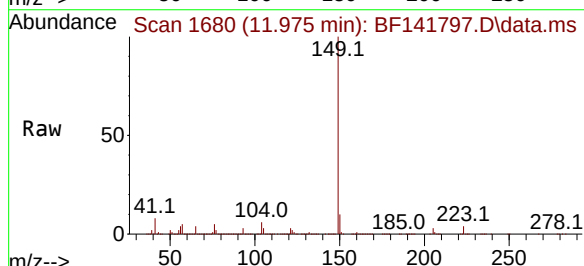
Manual Integrations  
APPROVED

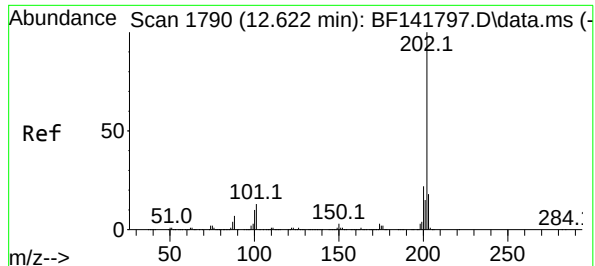
Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025



#74  
Di-n-butylphthalate  
Concen: 40.274 ng  
RT: 11.975 min Scan# 1680  
Delta R.T. 0.000 min  
Lab File: BF141797.D  
Acq: 27 Feb 2025 17:16

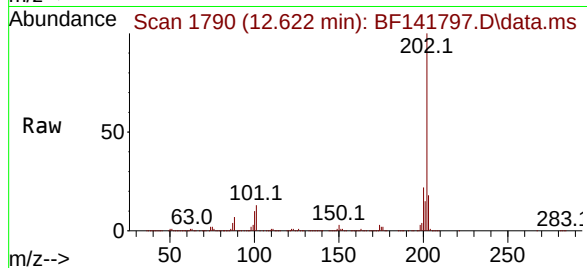
Tgt Ion:149 Resp: 2493783  
Ion Ratio Lower Upper  
149 100  
150 9.6 7.7 11.5  
104 5.5 4.4 6.6





#75  
Fluoranthene  
Concen: 39.753 ng  
RT: 12.622 min Scan# 1790  
Delta R.T. 0.000 min  
Lab File: BF141797.D  
Acq: 27 Feb 2025 17:16

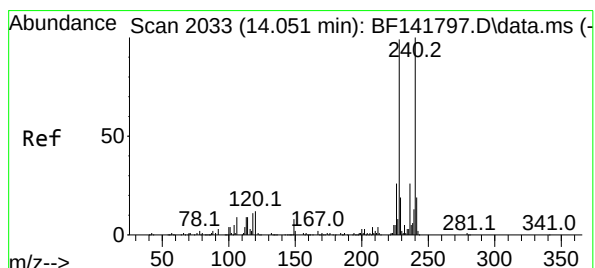
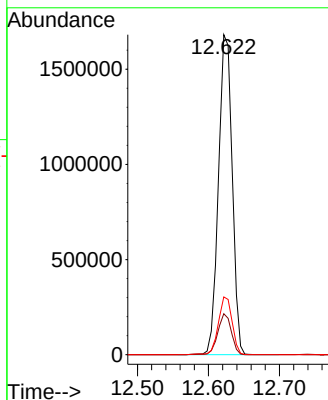
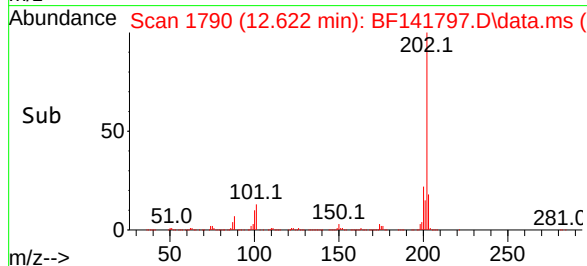
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICCC040



Tgt Ion:202 Resp: 2248284  
Ion Ratio Lower Upper  
202 100  
101 12.8 0.0 32.8  
203 18.0 0.0 38.0

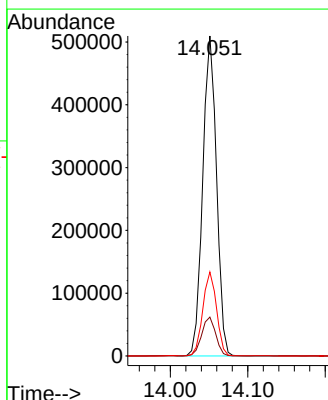
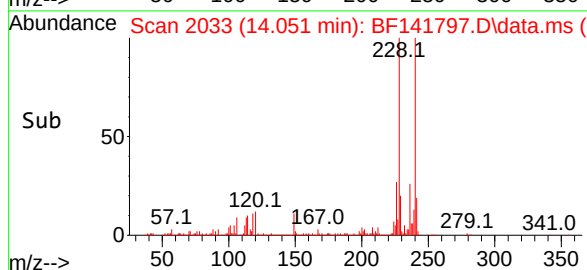
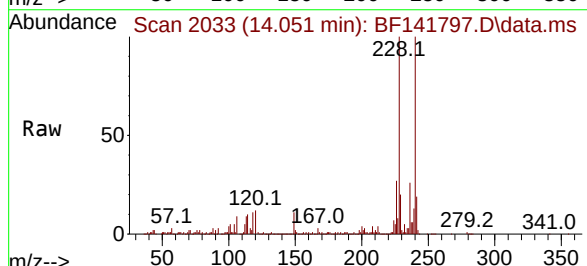
Manual Integrations  
APPROVED

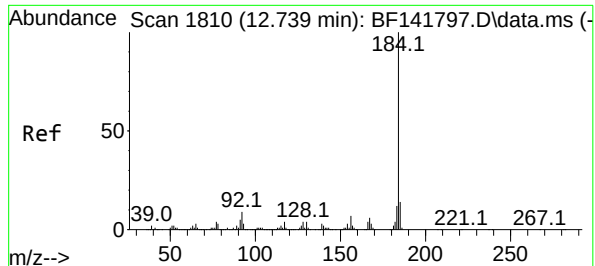
Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.051 min Scan# 2033  
Delta R.T. 0.000 min  
Lab File: BF141797.D  
Acq: 27 Feb 2025 17:16

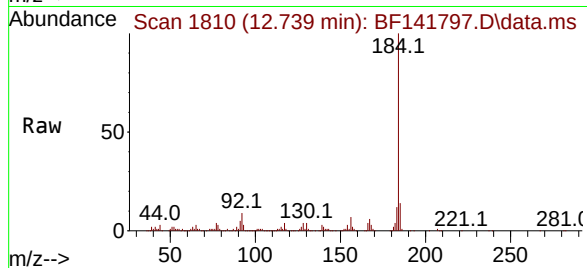
Tgt Ion:240 Resp: 629307  
Ion Ratio Lower Upper  
240 100  
120 12.1 9.7 14.5  
236 26.2 21.0 31.4





#77  
Benzidine  
Concen: 41.235 ng  
RT: 12.739 min Scan# 1810  
Delta R.T. 0.000 min  
Lab File: BF141797.D  
Acq: 27 Feb 2025 17:16

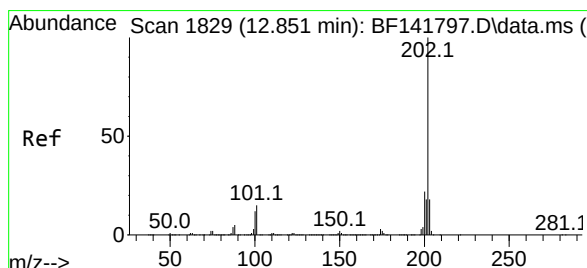
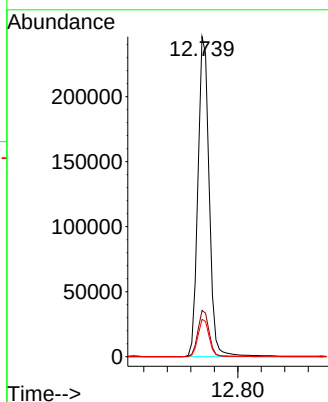
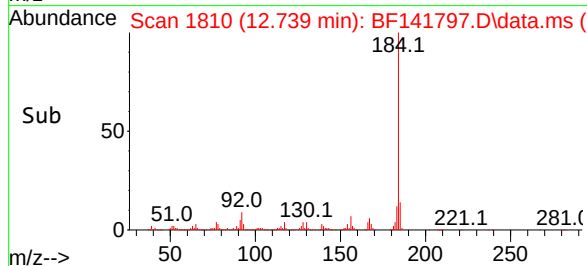
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICCC040



Tgt Ion:184 Resp: 326609  
Ion Ratio Lower Upper  
184 100  
185 14.5 11.6 17.4  
183 11.7 9.4 14.0

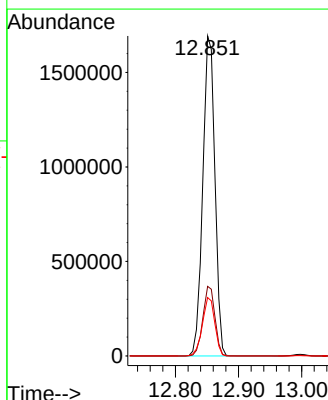
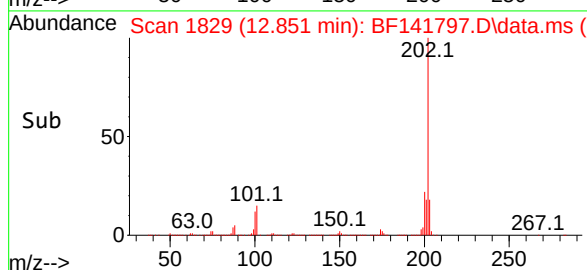
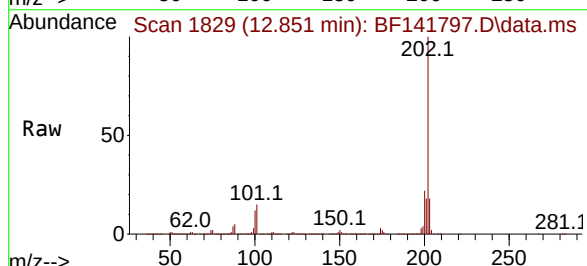
Manual Integrations  
APPROVED

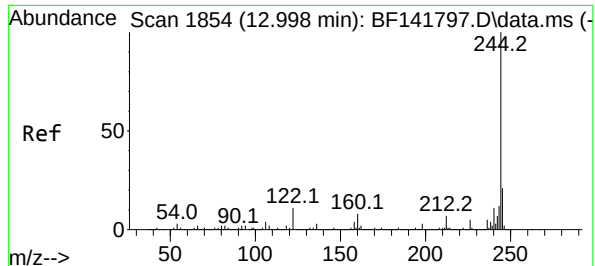
Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025



#78  
Pyrene  
Concen: 41.470 ng  
RT: 12.851 min Scan# 1829  
Delta R.T. 0.000 min  
Lab File: BF141797.D  
Acq: 27 Feb 2025 17:16

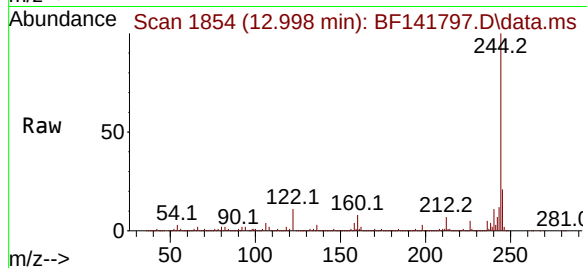
Tgt Ion:202 Resp: 2259888  
Ion Ratio Lower Upper  
202 100  
200 21.7 17.4 26.0  
203 18.3 14.6 22.0





#79  
Terphenyl-d14  
Concen: 81.511 ng  
RT: 12.998 min Scan# 1854  
Delta R.T. 0.000 min  
Lab File: BF141797.D  
Acq: 27 Feb 2025 17:16

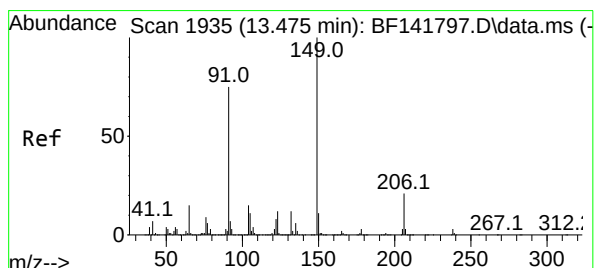
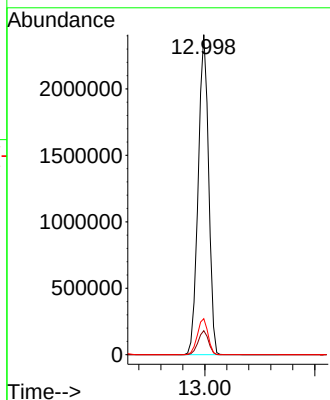
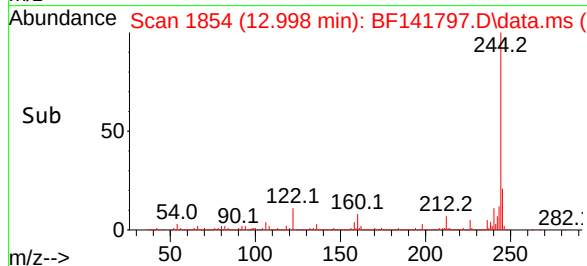
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICCC040



Tgt Ion:244 Resp: 317044  
Ion Ratio Lower Upper  
244 100  
212 7.5 6.0 9.0  
122 11.3 9.0 13.6

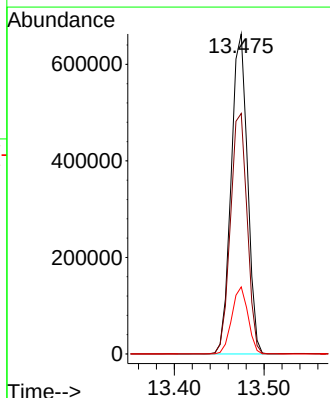
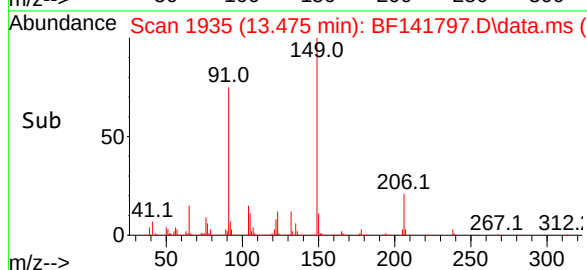
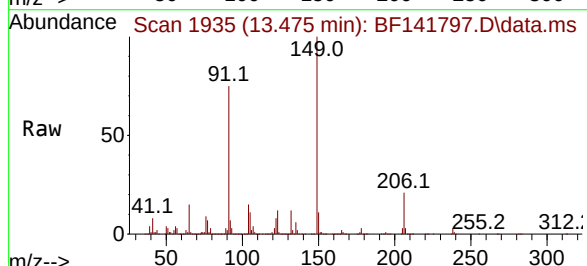
Manual Integrations  
APPROVED

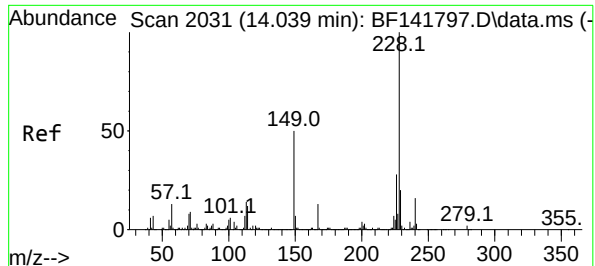
Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025



#80  
Butylbenzylphthalate  
Concen: 42.452 ng  
RT: 13.475 min Scan# 1935  
Delta R.T. 0.000 min  
Lab File: BF141797.D  
Acq: 27 Feb 2025 17:16

Tgt Ion:149 Resp: 840509  
Ion Ratio Lower Upper  
149 100  
91 75.1 60.1 90.1  
206 21.0 16.8 25.2





#81

Benzo(a)anthracene

Concen: 39.742 ng

RT: 14.039 min Scan# 2031

Delta R.T. 0.000 min

Lab File: BF141797.D

Acq: 27 Feb 2025 17:16

Instrument :

BNA\_F

ClientSampleId :

SSTDICCC040

Tgt Ion:228 Resp: 1651930

Ion Ratio Lower Upper

228 100

226 27.6 22.1 33.1

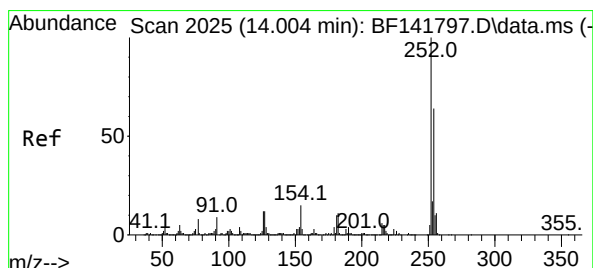
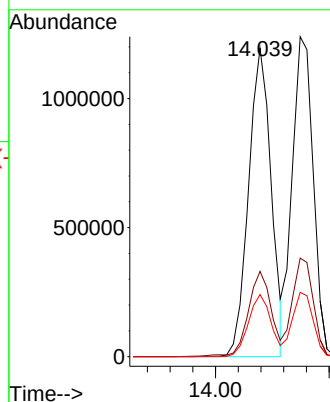
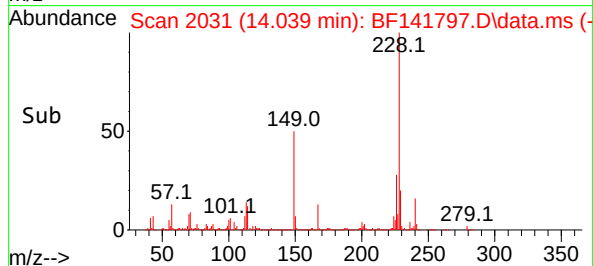
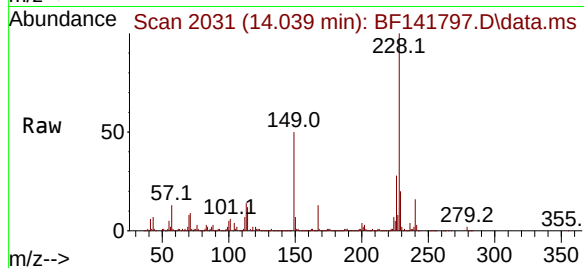
229 20.1 16.1 24.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/28/2025

Supervised By :mohammad ahmed 02/28/2025



#82

3,3'-Dichlorobenzidine

Concen: 41.467 ng

RT: 14.004 min Scan# 2025

Delta R.T. 0.000 min

Lab File: BF141797.D

Acq: 27 Feb 2025 17:16

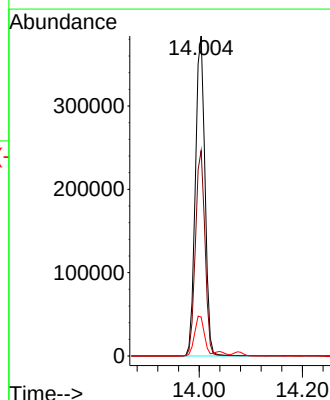
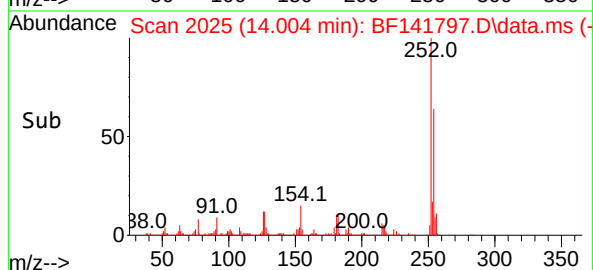
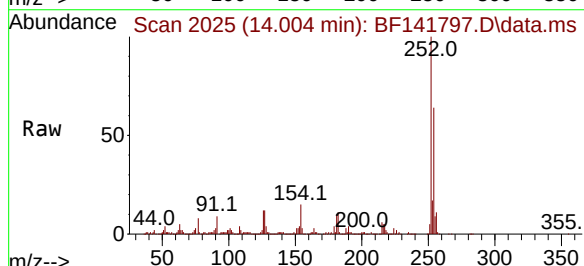
Tgt Ion:252 Resp: 494528

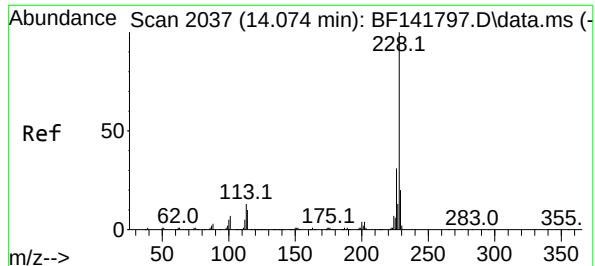
Ion Ratio Lower Upper

252 100

254 64.2 51.4 77.0

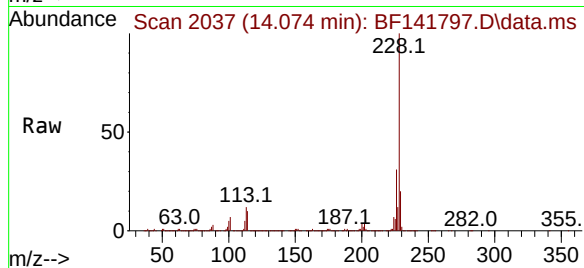
126 12.2 9.8 14.6





#83  
Chrysene  
Concen: 41.543 ng  
RT: 14.074 min Scan# 2037  
Delta R.T. 0.000 min  
Lab File: BF141797.D  
Acq: 27 Feb 2025 17:16

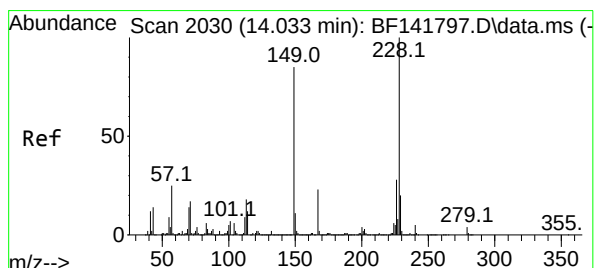
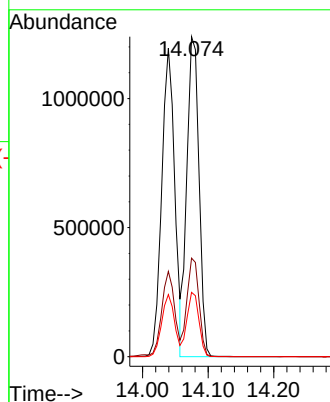
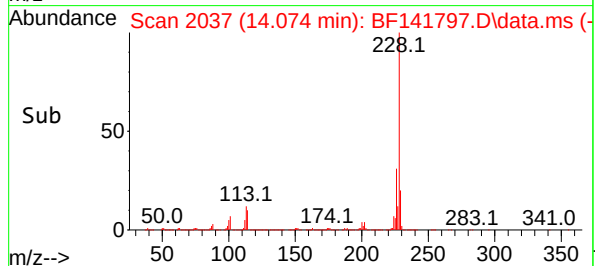
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICCC040



Tgt Ion:228 Resp: 159181  
Ion Ratio Lower Upper  
228 100  
226 30.8 24.6 37.0  
229 20.1 16.1 24.1

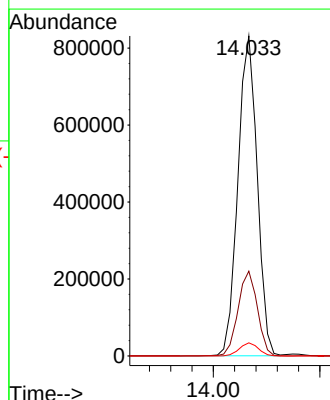
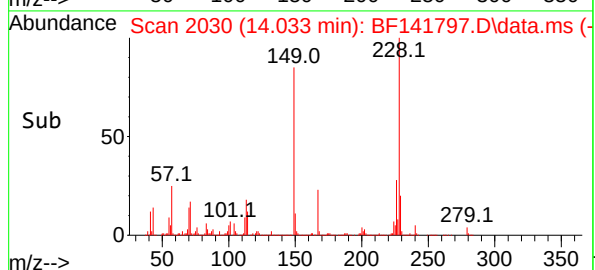
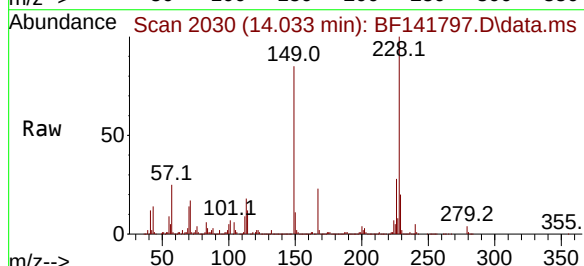
Manual Integrations  
APPROVED

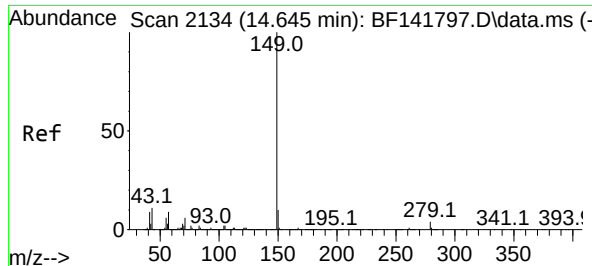
Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025



#84  
Bis(2-ethylhexyl)phthalate  
Concen: 42.458 ng  
RT: 14.033 min Scan# 2030  
Delta R.T. 0.000 min  
Lab File: BF141797.D  
Acq: 27 Feb 2025 17:16

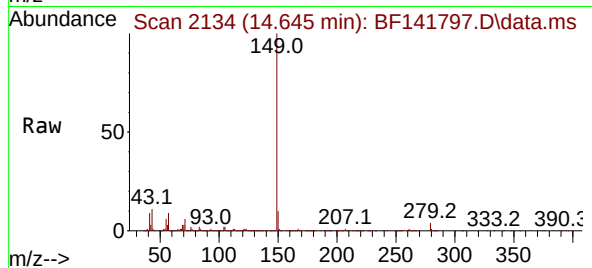
Tgt Ion:149 Resp: 1046693  
Ion Ratio Lower Upper  
149 100  
167 26.5 21.2 31.8  
279 4.1 3.3 4.9





#85  
Di-n-octyl phthalate  
Concen: 44.568 ng  
RT: 14.645 min Scan# 2134  
Delta R.T. 0.000 min  
Lab File: BF141797.D  
Acq: 27 Feb 2025 17:16

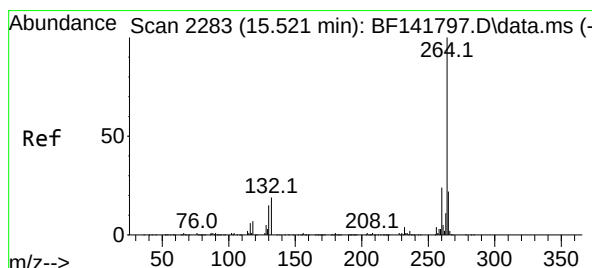
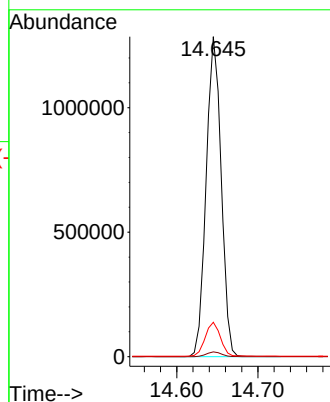
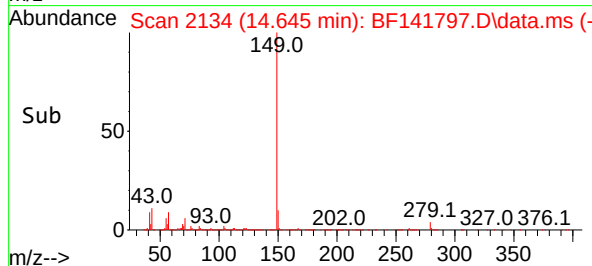
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICCC040



Tgt Ion:149 Resp: 164490  
Ion Ratio Lower Upper  
149 100  
167 1.5 1.2 1.8  
43 10.7 8.6 12.8

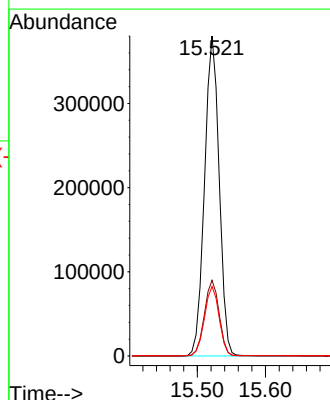
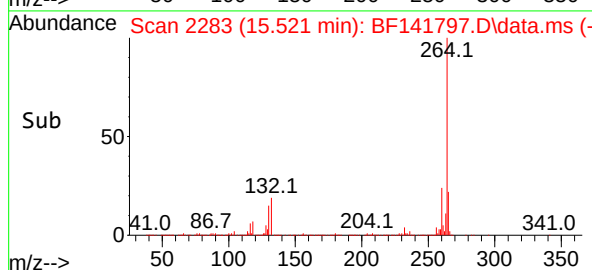
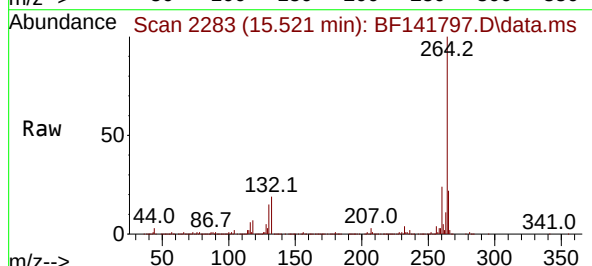
Manual Integrations  
APPROVED

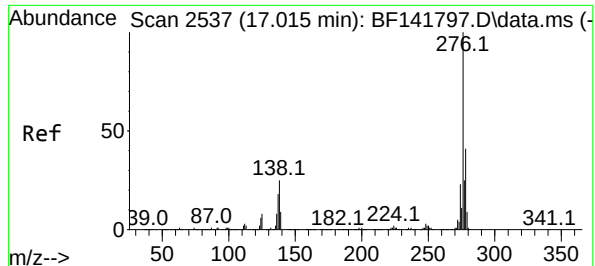
Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.521 min Scan# 2283  
Delta R.T. 0.000 min  
Lab File: BF141797.D  
Acq: 27 Feb 2025 17:16

Tgt Ion:264 Resp: 567240  
Ion Ratio Lower Upper  
264 100  
260 23.6 18.9 28.3  
265 21.7 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 42.264 ng

RT: 17.015 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF141797.D

Acq: 27 Feb 2025 17:16

Instrument :

BNA\_F

ClientSampleId :

SSTDICCC040

Tgt Ion:276 Resp: 152657

Ion Ratio Lower Upper

276 100

138 28.1 22.5 33.7

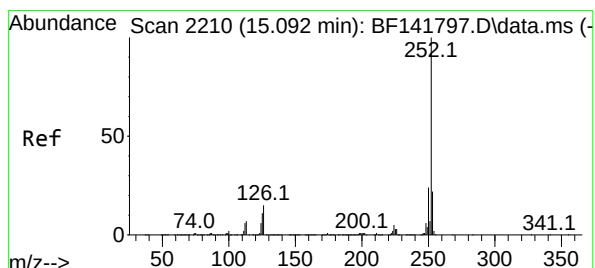
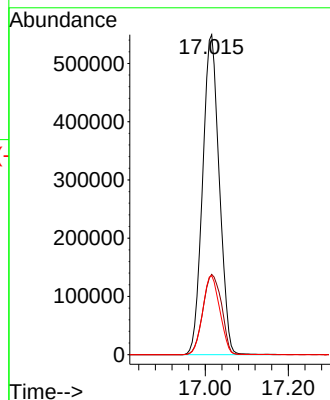
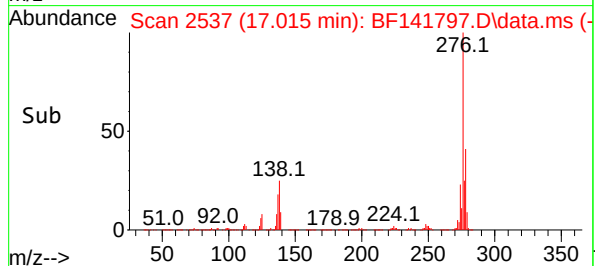
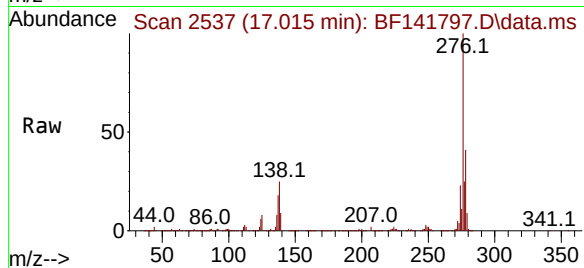
277 25.4 20.3 30.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/28/2025

Supervised By :mohammad ahmed 02/28/2025



#88

Benzo(b)fluoranthene

Concen: 38.353 ng

RT: 15.092 min Scan# 2210

Delta R.T. 0.000 min

Lab File: BF141797.D

Acq: 27 Feb 2025 17:16

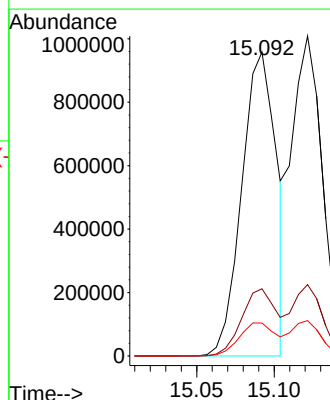
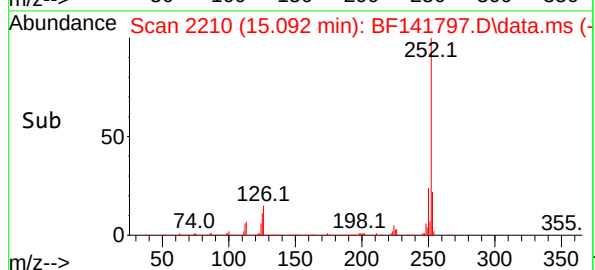
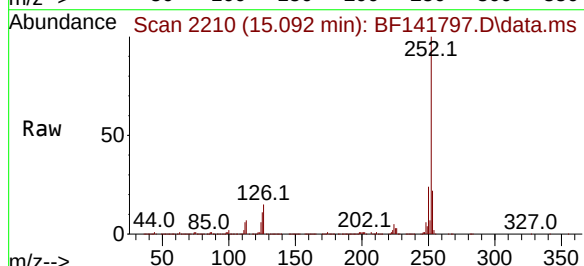
Tgt Ion:252 Resp: 1481931

Ion Ratio Lower Upper

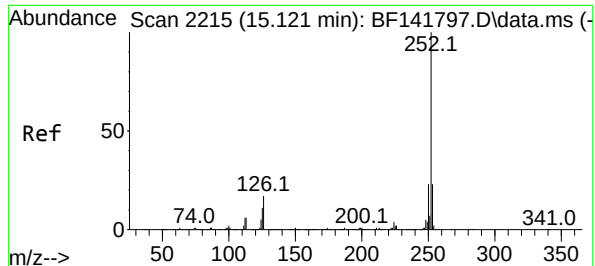
252 100

253 22.1 17.7 26.5

125 10.8 8.6 13.0







#89

Benzo(k)fluoranthene

Concen: 41.943 ng

RT: 15.121 min Scan# 2215

Delta R.T. 0.000 min

Lab File: BF141797.D

Acq: 27 Feb 2025 17:16

Instrument :

BNA\_F

ClientSampleId :

SSTDICCC040

Tgt Ion:252 Resp: 1377470

Ion Ratio Lower Upper

252 100

253 22.3 17.8 26.8

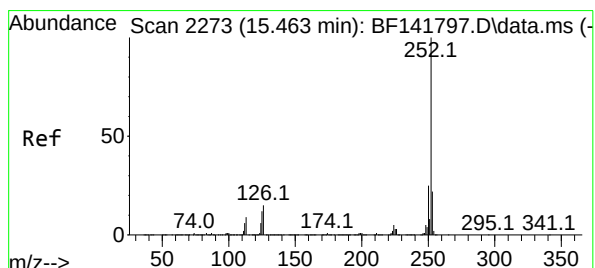
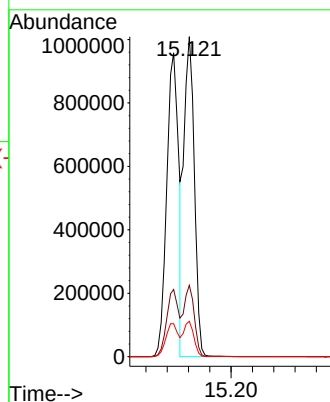
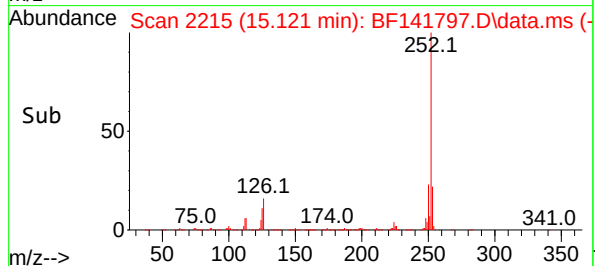
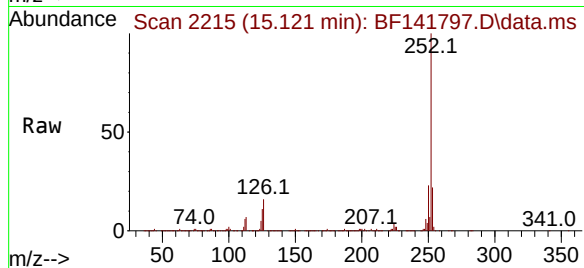
125 11.0 8.8 13.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/28/2025

Supervised By :mohammad ahmed 02/28/2025



#90

Benzo(a)pyrene

Concen: 40.981 ng

RT: 15.463 min Scan# 2273

Delta R.T. 0.000 min

Lab File: BF141797.D

Acq: 27 Feb 2025 17:16

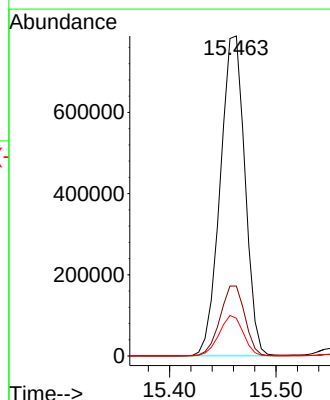
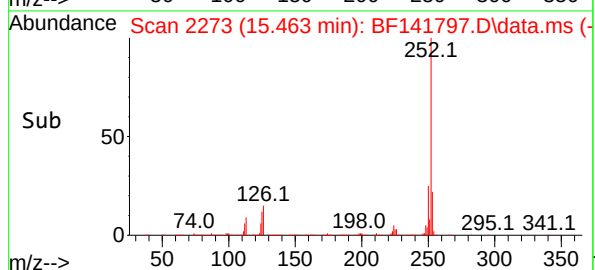
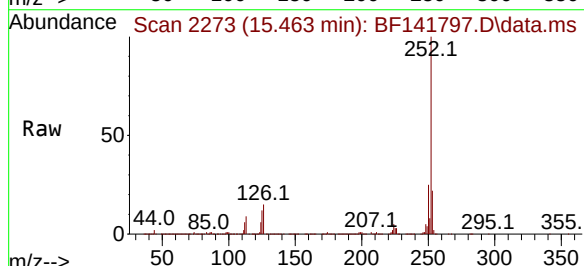
Tgt Ion:252 Resp: 1269914

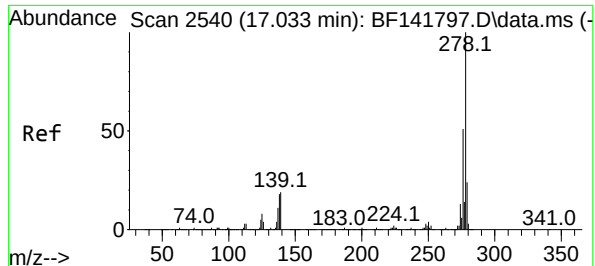
Ion Ratio Lower Upper

252 100

253 21.9 17.5 26.3

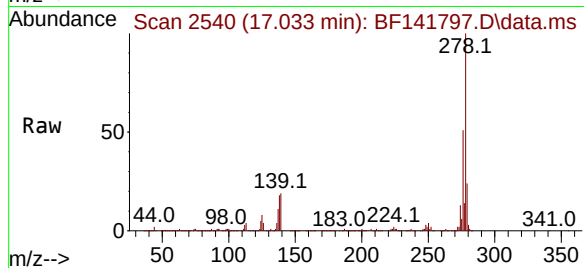
125 11.8 9.4 14.2





#91  
Dibenzo(a,h)anthracene  
Concen: 42.664 ng  
RT: 17.033 min Scan# 2540  
Delta R.T. 0.000 min  
Lab File: BF141797.D  
Acq: 27 Feb 2025 17:16

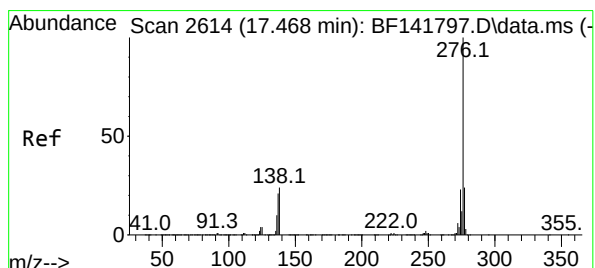
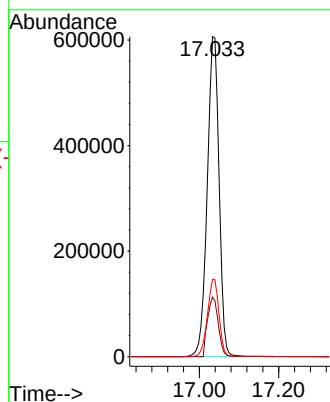
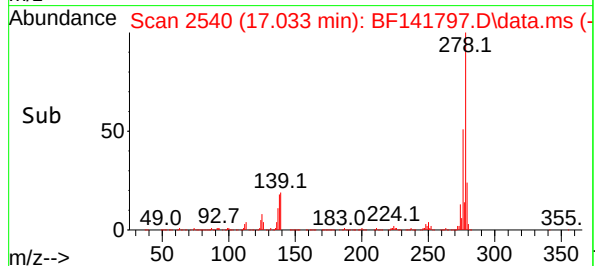
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICCC040



Tgt Ion: 278 Resp: 1257860  
Ion Ratio Lower Upper  
278 100  
139 18.6 14.9 22.3  
279 24.1 19.3 28.9

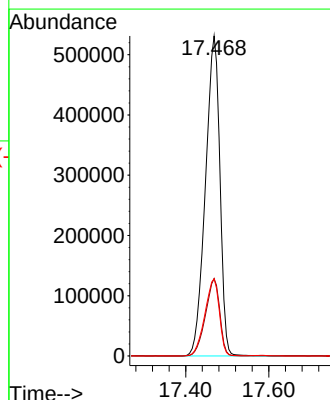
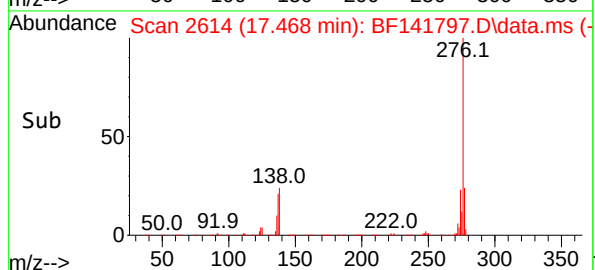
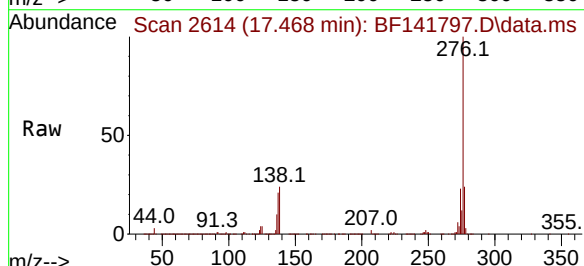
Manual Integrations  
APPROVED

Reviewed By : Yogesh Patel 02/28/2025  
Supervised By : mohammad ahmed 02/28/2025



#92  
Benzo(g,h,i)perylene  
Concen: 42.430 ng  
RT: 17.468 min Scan# 2614  
Delta R.T. 0.000 min  
Lab File: BF141797.D  
Acq: 27 Feb 2025 17:16

Tgt Ion: 276 Resp: 1281590  
Ion Ratio Lower Upper  
276 100  
277 24.2 19.4 29.0  
138 24.1 19.3 28.9



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF022725\  
 Data File : BF141798.D  
 Acq On : 27 Feb 2025 17:46  
 Operator : RC/JU  
 Sample : SSTDICC050  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDICC050

Quant Time: Feb 28 01:26:30 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF022725.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Feb 28 01:19:57 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.892  | 152  | 294968   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.175  | 136  | 1175652  | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.928  | 164  | 632437   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.410 | 188  | 1007266  | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.051 | 240  | 571903   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.521 | 264  | 520644   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.504  | 112  | 1747157  | 94.593  | ng    | 0.00     |
| 7) Phenol-d6                  | 6.510  | 99   | 2273216  | 94.557  | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.457  | 82   | 1953916  | 106.234 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.716 | 330  | 580093   | 97.701  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.251  | 172  | 3566962  | 90.435  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.998 | 244  | 3516535  | 99.483  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.681  | 88   | 401754   | 47.937  | ng    | 99       |
| 3) Pyridine                   | 3.451  | 79   | 1017692  | 48.805  | ng    | 99       |
| 4) n-Nitrosodimethylamine     | 3.404  | 42   | 497063   | 49.541  | ng    | 99       |
| 6) Aniline                    | 6.557  | 93   | 1210646  | 48.702  | ng    | 100      |
| 8) 2-Chlorophenol             | 6.675  | 128  | 957860   | 47.940  | ng    | 99       |
| 9) Benzaldehyde               | 6.440  | 77   | 644844   | 46.113  | ng    | 99       |
| 10) Phenol                    | 6.528  | 94   | 1210418  | 47.257  | ng    | 99       |
| 11) bis(2-Chloroethyl)ether   | 6.628  | 93   | 943249   | 48.169  | ng    | 99       |
| 12) 1,3-Dichlorobenzene       | 6.834  | 146  | 1016156  | 47.489  | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 6.910  | 146  | 1024761  | 47.531  | ng    | 100      |
| 14) 1,2-Dichlorobenzene       | 7.063  | 146  | 948038   | 47.090  | ng    | 99       |
| 15) Benzyl Alcohol            | 7.028  | 79   | 927459   | 48.272  | ng    | 99       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.163  | 45   | 1423138  | 47.854  | ng    | 100      |
| 17) 2-Methylphenol            | 7.134  | 107  | 795600   | 48.240  | ng    | 99       |
| 18) Hexachloroethane          | 7.404  | 117  | 393322   | 48.741  | ng    | 99       |
| 19) n-Nitroso-di-n-propyla... | 7.310  | 70   | 744192   | 47.090  | ng    | 99       |
| 20) 3+4-Methylphenols         | 7.292  | 107  | 961623   | 46.825  | ng    | # 87     |
| 22) Acetophenone              | 7.298  | 105  | 1339971  | 46.798  | ng    | 97       |
| 24) Nitrobenzene              | 7.475  | 77   | 1025625  | 52.073  | ng    | 99       |
| 25) Isophorone                | 7.716  | 82   | 1886546  | 47.744  | ng    | 99       |
| 26) 2-Nitrophenol             | 7.786  | 139  | 425765   | 48.354  | ng    | 99       |
| 27) 2,4-Dimethylphenol        | 7.816  | 122  | 698393   | 48.082  | ng    | 99       |
| 28) bis(2-Chloroethoxy)met... | 7.922  | 93   | 1186179  | 47.060  | ng    | 100      |
| 29) 2,4-Dichlorophenol        | 8.022  | 162  | 813150   | 48.527  | ng    | 100      |
| 30) 1,2,4-Trichlorobenzene    | 8.110  | 180  | 875703   | 47.693  | ng    | 99       |
| 31) Naphthalene               | 8.192  | 128  | 2820879  | 46.685  | ng    | 100      |
| 32) Benzoic acid              | 7.945  | 122  | 587574   | 48.392  | ng    | 99       |
| 33) 4-Chloroaniline           | 8.239  | 127  | 1028715  | 46.432  | ng    | 99       |
| 34) Hexachlorobutadiene       | 8.310  | 225  | 551683   | 48.351  | ng    | 99       |
| 35) Caprolactam               | 8.622  | 113  | 248725   | 48.241  | ng    | 98       |
| 36) 4-Chloro-3-methylphenol   | 8.716  | 107  | 880725   | 47.314  | ng    | 99       |
| 37) 2-Methylnaphthalene       | 8.886  | 142  | 1825639  | 46.064  | ng    | 99       |
| 38) 1-Methylnaphthalene       | 8.986  | 142  | 1745465  | 45.899  | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 9.051  | 216  | 868619   | 47.555  | ng    | 100      |
| 41) Hexachlorocyclopentadiene | 9.039  | 237  | 388222   | 50.930  | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 9.157  | 196  | 578263   | 49.010  | ng    | 100      |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF022725\  
 Data File : BF141798.D  
 Acq On : 27 Feb 2025 17:46  
 Operator : RC/JU  
 Sample : SSTDICC050  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDICC050

Quant Time: Feb 28 01:26:30 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF022725.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Feb 28 01:19:57 2025  
 Response via : Initial Calibration

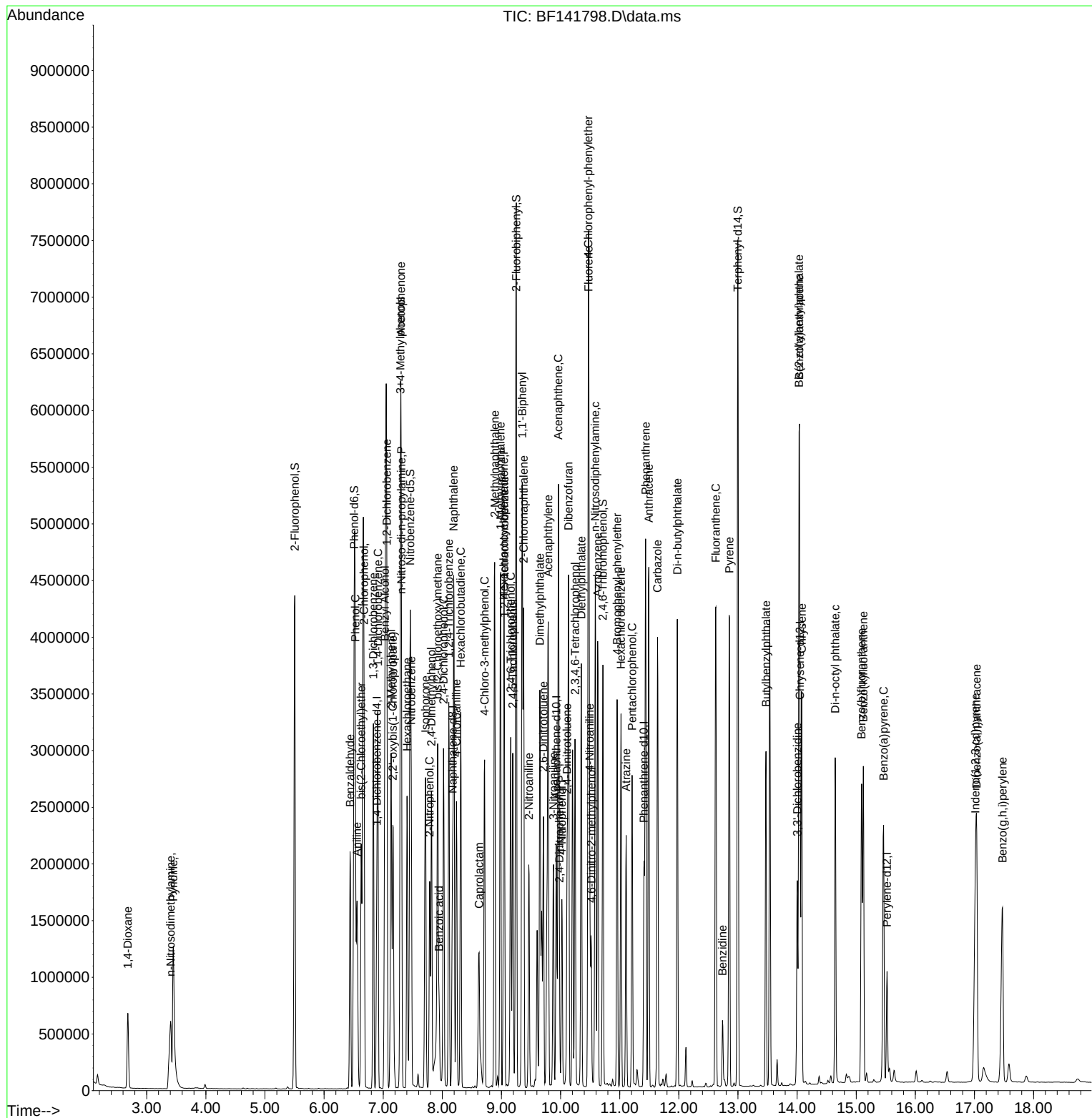
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.192  | 196  | 574978   | 49.213 | ng    | 100      |
| 46) 1,1'-Biphenyl             | 9.351  | 154  | 2234592  | 46.420 | ng    | 100      |
| 47) 2-Chloronaphthalene       | 9.375  | 162  | 1672555  | 47.075 | ng    | 99       |
| 48) 2-Nitroaniline            | 9.463  | 65   | 469075   | 48.211 | ng    | 98       |
| 49) Acenaphthylene            | 9.792  | 152  | 2466104  | 46.294 | ng    | 99       |
| 50) Dimethylphthalate         | 9.651  | 163  | 1994958  | 47.103 | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 9.710  | 165  | 396873   | 48.926 | ng    | 99       |
| 52) Acenaphthene              | 9.963  | 154  | 1689163  | 46.994 | ng    | 100      |
| 53) 3-Nitroaniline            | 9.880  | 138  | 417015   | 48.300 | ng    | 97       |
| 54) 2,4-Dinitrophenol         | 9.980  | 184  | 151706   | 48.388 | ng    | # 8      |
| 55) Dibenzofuran              | 10.133 | 168  | 2422882  | 46.312 | ng    | 100      |
| 56) 4-Nitrophenol             | 10.022 | 139  | 340020   | 54.357 | ng    | 98       |
| 57) 2,4-Dinitrotoluene        | 10.110 | 165  | 490028   | 49.405 | ng    | 100      |
| 58) Fluorene                  | 10.475 | 166  | 1783757  | 45.518 | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol | 10.245 | 232  | 489160   | 48.140 | ng    | 97       |
| 60) Diethylphthalate          | 10.351 | 149  | 1991111  | 46.896 | ng    | 100      |
| 61) 4-Chlorophenyl-phenyle... | 10.469 | 204  | 904835   | 46.084 | ng    | 99       |
| 62) 4-Nitroaniline            | 10.492 | 138  | 391399   | 54.114 | ng    | 98       |
| 63) Azobenzene                | 10.627 | 77   | 2087153  | 46.687 | ng    | 100      |
| 65) 4,6-Dinitro-2-methylph... | 10.522 | 198  | 227493   | 47.968 | ng    | 95       |
| 66) n-Nitrosodiphenylamine    | 10.586 | 169  | 1588976  | 48.041 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 10.957 | 248  | 572161   | 48.631 | ng    | 100      |
| 68) Hexachlorobenzene         | 11.022 | 284  | 605103   | 48.705 | ng    | 99       |
| 69) Atrazine                  | 11.110 | 200  | 374540   | 41.179 | ng    | 99       |
| 70) Pentachlorophenol         | 11.210 | 266  | 400352   | 50.809 | ng    | 100      |
| 71) Phenanthrene              | 11.439 | 178  | 2521849  | 46.806 | ng    | 99       |
| 72) Anthracene                | 11.492 | 178  | 2522132  | 46.707 | ng    | 100      |
| 73) Carbazole                 | 11.639 | 167  | 2220778  | 46.572 | ng    | 100      |
| 74) Di-n-butylphthalate       | 11.974 | 149  | 2839813  | 46.982 | ng    | 100      |
| 75) Fluoranthene              | 12.627 | 202  | 2499217  | 45.269 | ng    | 99       |
| 77) Benzidine                 | 12.739 | 184  | 305582   | 42.453 | ng    | 99       |
| 78) Pyrene                    | 12.857 | 202  | 2484995  | 50.178 | ng    | 100      |
| 80) Butylbenzylphthalate      | 13.474 | 149  | 929464   | 51.657 | ng    | 99       |
| 81) Benzo(a)anthracene        | 14.039 | 228  | 1777948  | 47.067 | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine    | 14.004 | 252  | 520451   | 48.021 | ng    | 99       |
| 83) Chrysene                  | 14.080 | 228  | 1694396  | 48.659 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 14.033 | 149  | 1159761  | 51.766 | ng    | 100      |
| 85) Di-n-octyl phthalate      | 14.645 | 149  | 1865081  | 55.606 | ng    | 100      |
| 87) Indeno(1,2,3-cd)pyrene    | 17.015 | 276  | 1740850  | 52.510 | ng    | 100      |
| 88) Benzo(b)fluoranthene      | 15.092 | 252  | 1603729  | 45.220 | ng    | 100      |
| 89) Benzo(k)fluoranthene      | 15.121 | 252  | 1516995  | 50.326 | ng    | 100      |
| 90) Benzo(a)pyrene            | 15.462 | 252  | 1379319  | 48.495 | ng    | 100      |
| 91) Dibenzo(a,h)anthracene    | 17.039 | 278  | 1423862  | 52.616 | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 17.474 | 276  | 1469480  | 53.005 | ng    | 99       |

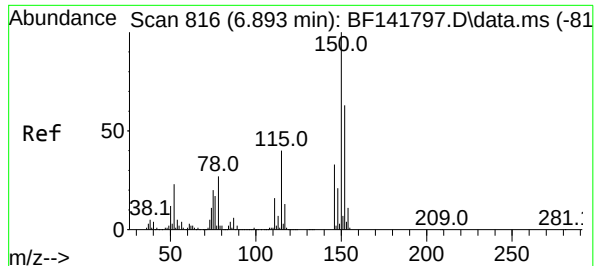
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF022725\  
 Data File : BF141798.D  
 Acq On : 27 Feb 2025 17:46  
 Operator : RC/JU  
 Sample : SSTDICC050  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDICC050

Quant Time: Feb 28 01:26:30 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF022725.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Feb 28 01:19:57 2025  
 Response via : Initial Calibration

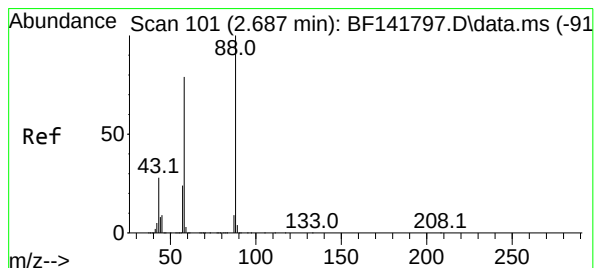
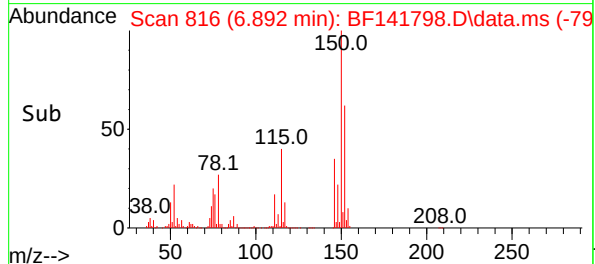
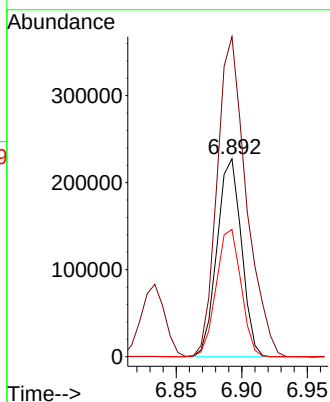
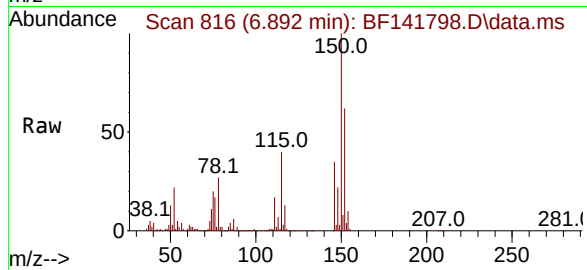




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.892 min Scan# 81  
Delta R.T. -0.001 min  
Lab File: BF141798.D  
Acq: 27 Feb 2025 17:46

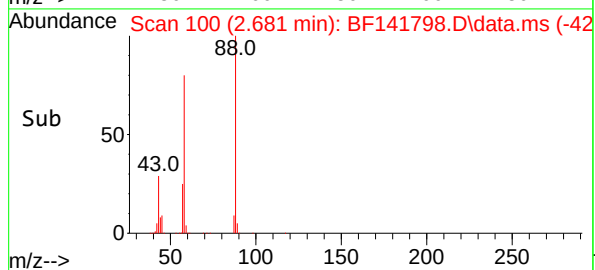
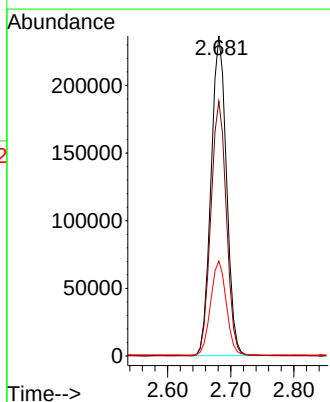
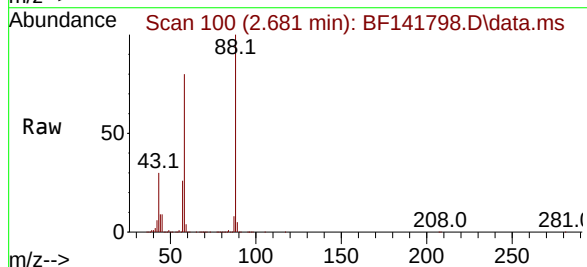
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC050

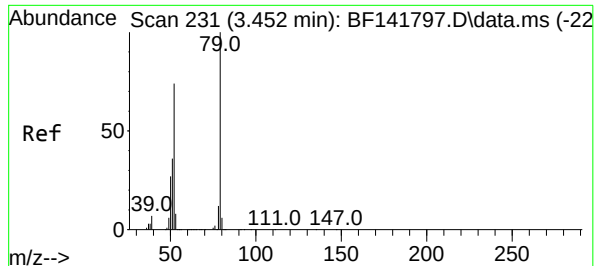
Tgt Ion:152 Resp: 294968  
Ion Ratio Lower Upper  
152 100  
150 161.7 127.5 191.3  
115 64.3 51.4 77.2



#2  
1,4-Dioxane  
Concen: 47.937 ng  
RT: 2.681 min Scan# 100  
Delta R.T. -0.006 min  
Lab File: BF141798.D  
Acq: 27 Feb 2025 17:46

Tgt Ion: 88 Resp: 401754  
Ion Ratio Lower Upper  
88 100  
58 80.2 63.9 95.9  
43 29.6 23.0 34.6





#3

Pyridine

Concen: 48.805 ng

RT: 3.451 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF141798.D

Acq: 27 Feb 2025 17:46

Instrument :

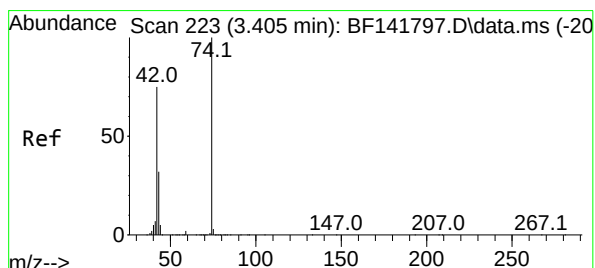
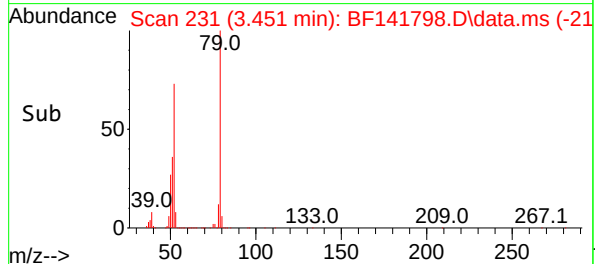
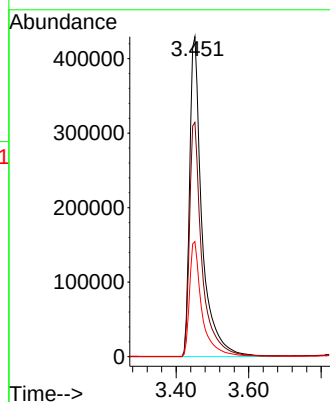
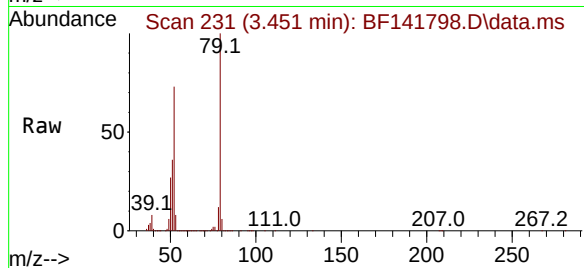
BNA\_F

ClientSampleId :

SSTDICC050

Tgt Ion: 79 Resp: 1017692

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 79  | 100   |       |       |
| 52  | 73.2  | 59.0  | 88.4  |
| 51  | 35.9  | 29.0  | 43.4  |



#4

n-Nitrosodimethylamine

Concen: 49.541 ng

RT: 3.404 min Scan# 223

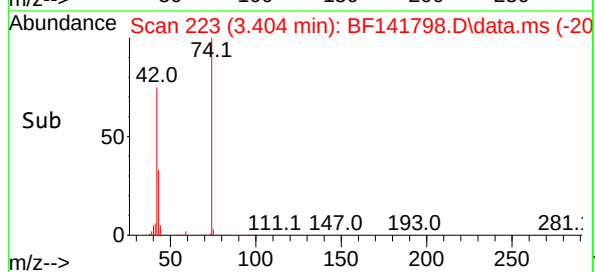
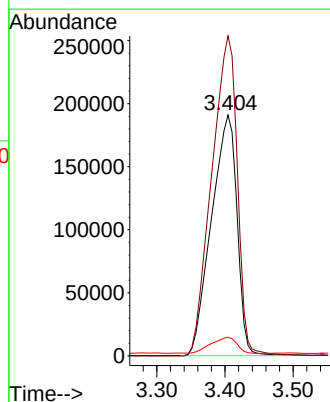
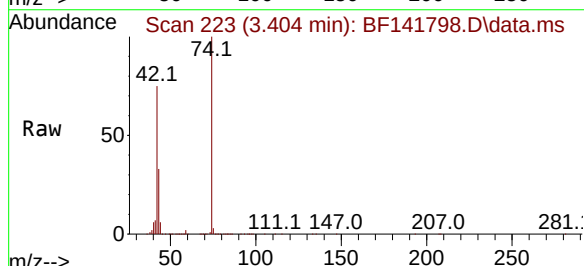
Delta R.T. -0.000 min

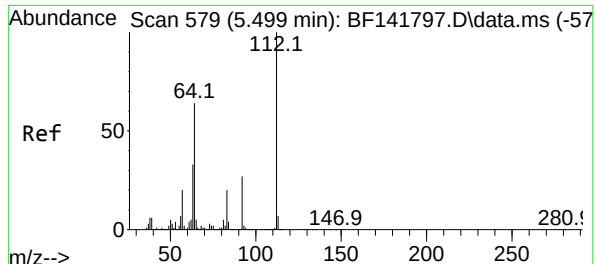
Lab File: BF141798.D

Acq: 27 Feb 2025 17:46

Tgt Ion: 42 Resp: 497063

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 42  | 100   |       |       |
| 74  | 132.8 | 107.1 | 160.7 |
| 44  | 7.7   | 6.6   | 9.8   |

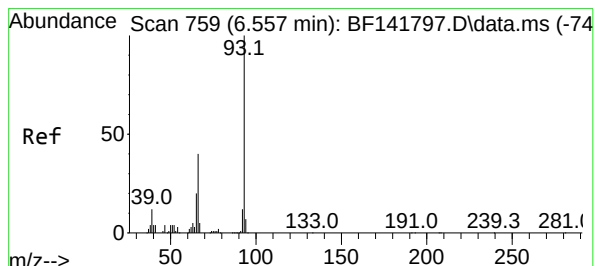
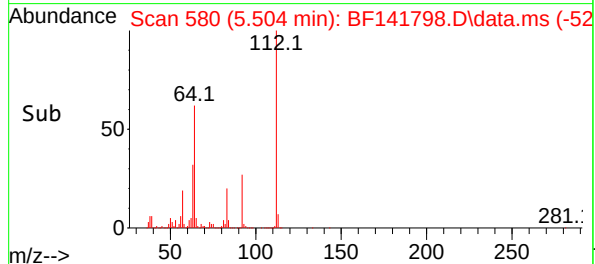
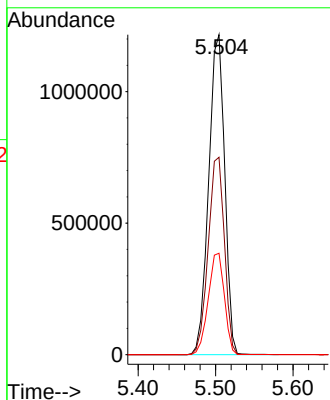
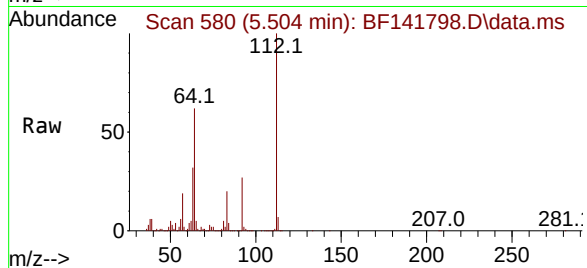




#5  
2-Fluorophenol  
Concen: 94.593 ng  
RT: 5.504 min Scan# 580  
Delta R.T. 0.006 min  
Lab File: BF141798.D  
Acq: 27 Feb 2025 17:46

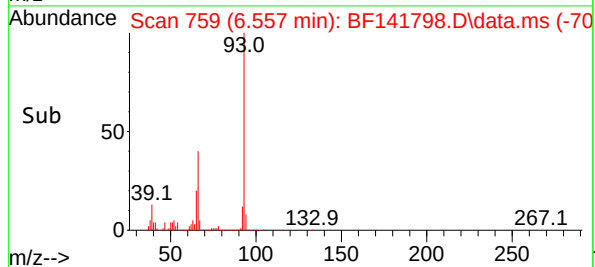
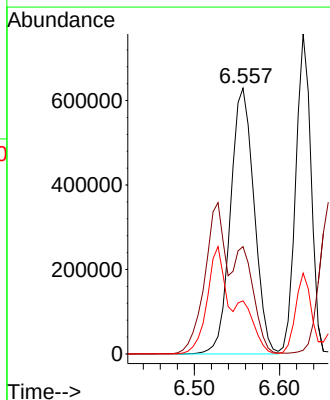
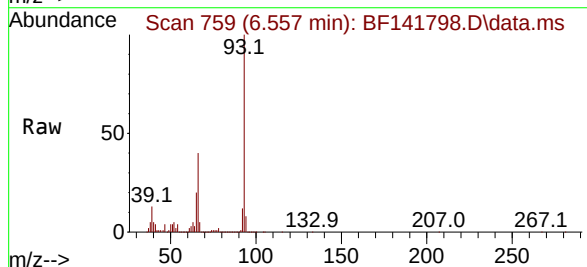
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC050

Tgt Ion:112 Resp: 1747157  
Ion Ratio Lower Upper  
112 100  
64 61.7 51.3 76.9  
63 31.7 26.2 39.4

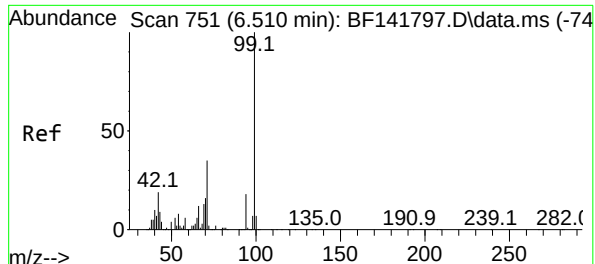


#6  
Aniline  
Concen: 48.702 ng  
RT: 6.557 min Scan# 759  
Delta R.T. -0.000 min  
Lab File: BF141798.D  
Acq: 27 Feb 2025 17:46

Tgt Ion: 93 Resp: 1210646  
Ion Ratio Lower Upper  
93 100  
66 40.4 32.3 48.5  
65 20.0 15.9 23.9



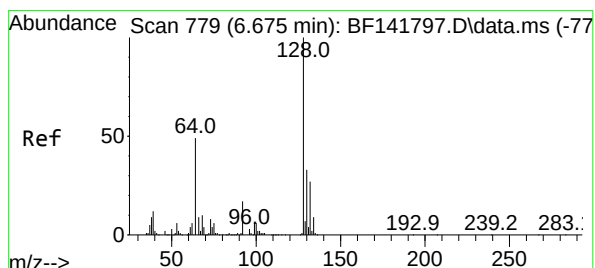
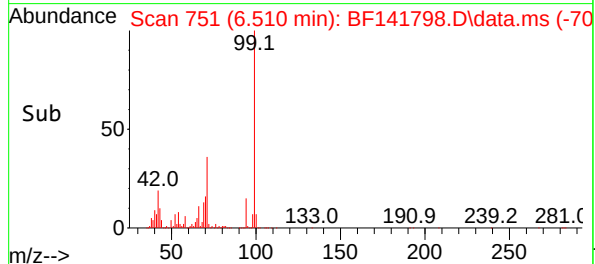
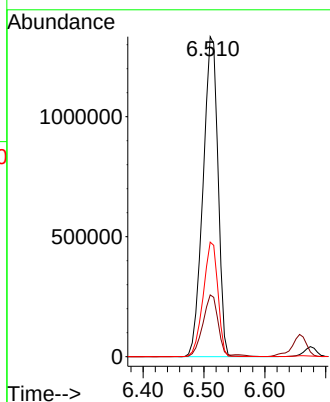
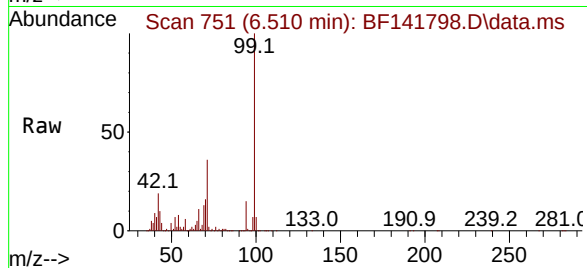




#7  
Phenol-d6  
Concen: 94.557 ng  
RT: 6.510 min Scan# 751  
Delta R.T. -0.000 min  
Lab File: BF141798.D  
Acq: 27 Feb 2025 17:46

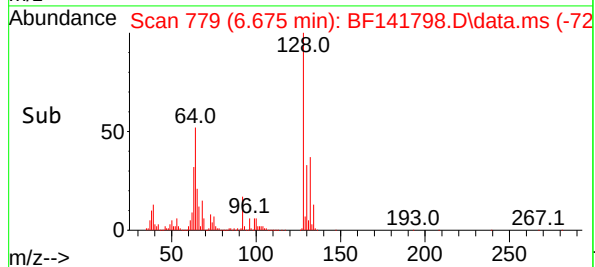
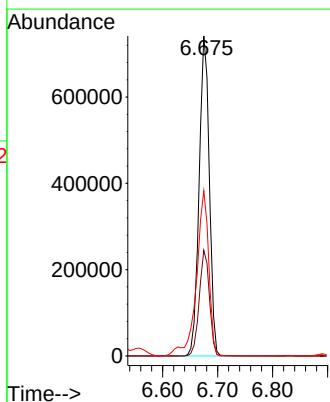
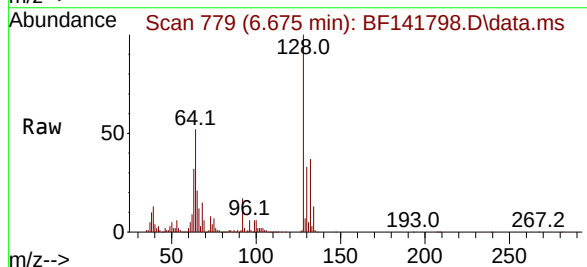
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC050

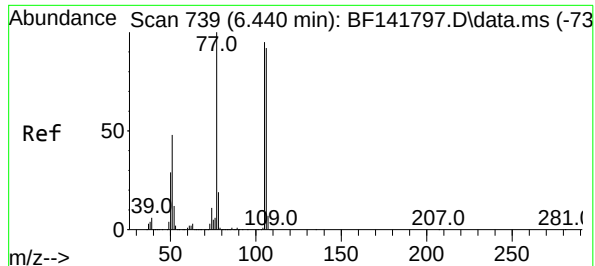
Tgt Ion: 99 Resp: 2273216  
Ion Ratio Lower Upper  
99 100  
42 19.3 15.2 22.8  
71 35.8 28.2 42.2



#8  
2-Chlorophenol  
Concen: 47.940 ng  
RT: 6.675 min Scan# 779  
Delta R.T. -0.000 min  
Lab File: BF141798.D  
Acq: 27 Feb 2025 17:46

Tgt Ion: 128 Resp: 957860  
Ion Ratio Lower Upper  
128 100  
130 33.0 12.6 52.6  
64 51.6 31.1 71.1

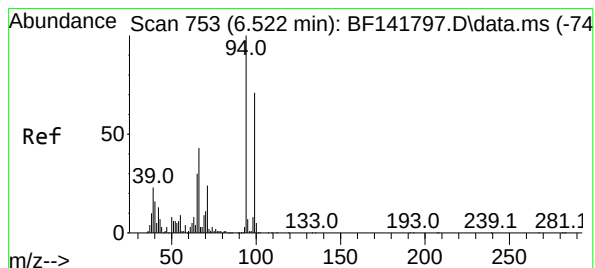
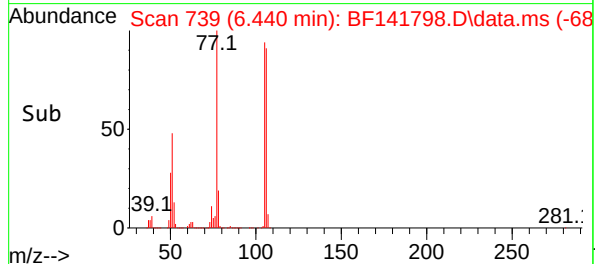
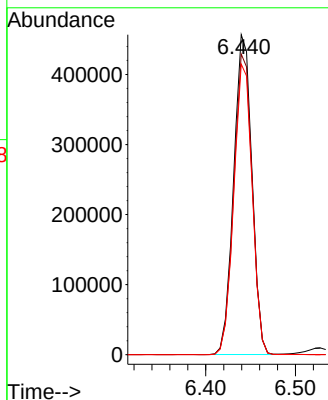
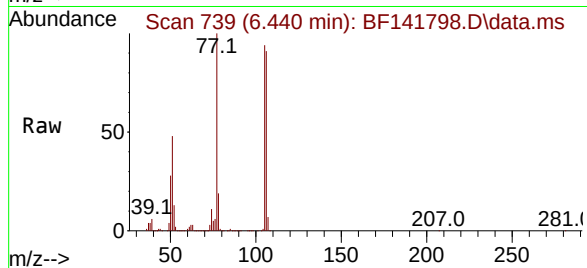




#9  
Benzaldehyde  
Concen: 46.113 ng  
RT: 6.440 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: BF141798.D  
Acq: 27 Feb 2025 17:46

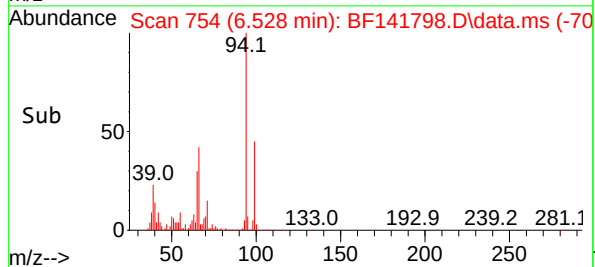
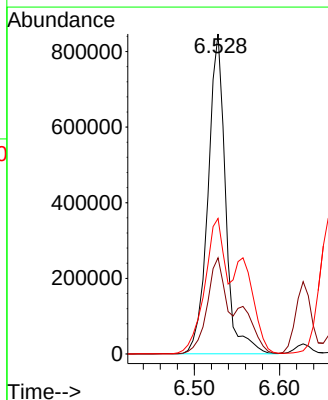
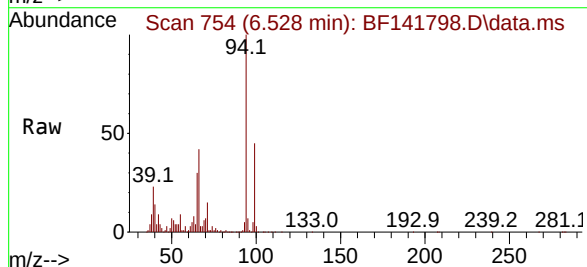
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC050

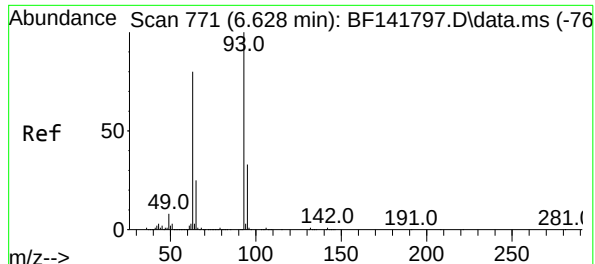
Tgt Ion: 77 Resp: 644844  
Ion Ratio Lower Upper  
77 100  
105 93.9 75.3 115.3  
106 90.8 72.3 112.3



#10  
Phenol  
Concen: 47.257 ng  
RT: 6.528 min Scan# 754  
Delta R.T. 0.006 min  
Lab File: BF141798.D  
Acq: 27 Feb 2025 17:46

Tgt Ion: 94 Resp: 1210418  
Ion Ratio Lower Upper  
94 100  
65 30.0 10.2 50.2  
66 42.3 23.2 63.2

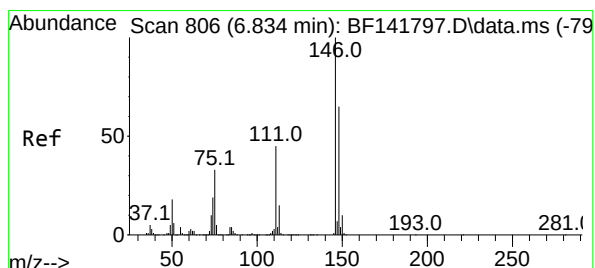
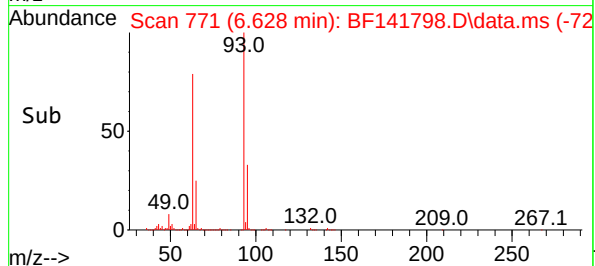
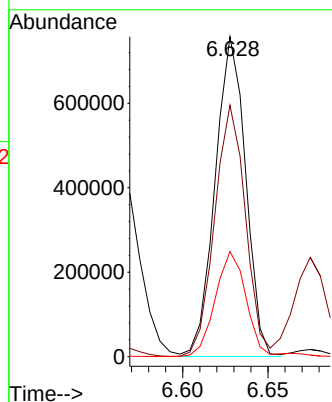
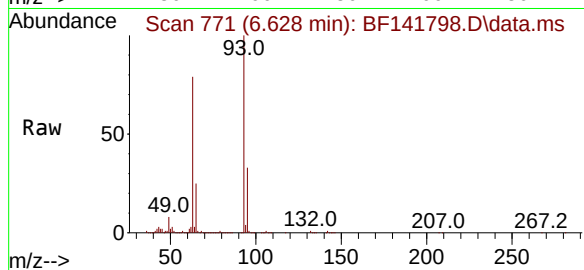




#11  
bis(2-Chloroethyl)ether  
Concen: 48.169 ng  
RT: 6.628 min Scan# 771  
Delta R.T. -0.000 min  
Lab File: BF141798.D  
Acq: 27 Feb 2025 17:46

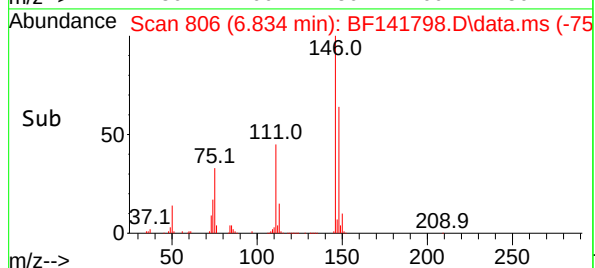
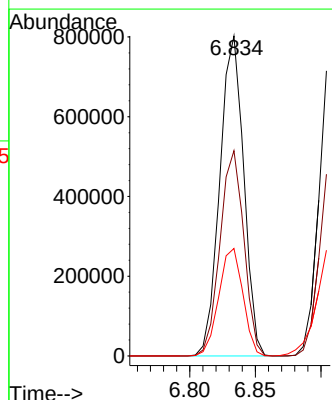
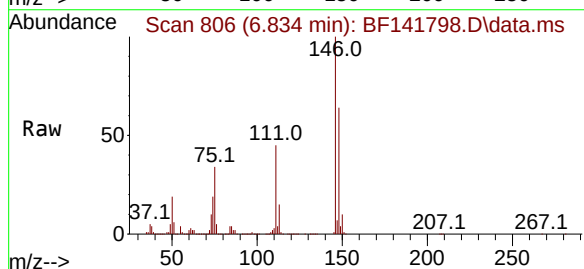
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC050

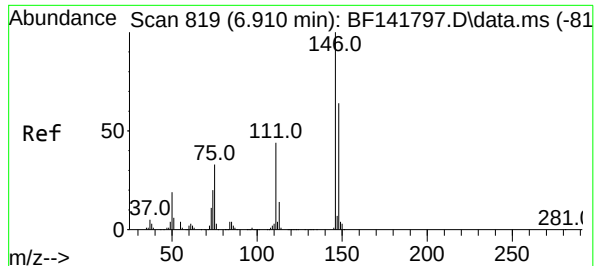
Tgt Ion: 93 Resp: 943249  
Ion Ratio Lower Upper  
93 100  
63 78.6 59.3 99.3  
95 32.9 13.2 53.2



#12  
1,3-Dichlorobenzene  
Concen: 47.489 ng  
RT: 6.834 min Scan# 806  
Delta R.T. -0.000 min  
Lab File: BF141798.D  
Acq: 27 Feb 2025 17:46

Tgt Ion:146 Resp: 1016156  
Ion Ratio Lower Upper  
146 100  
148 64.1 51.8 77.6  
75 33.6 26.2 39.4

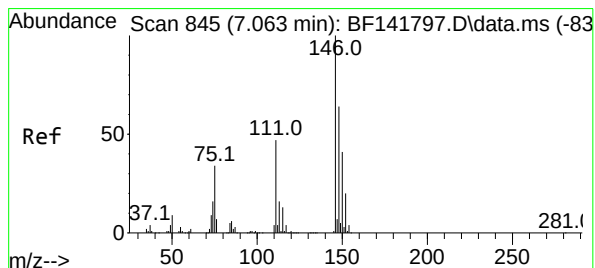
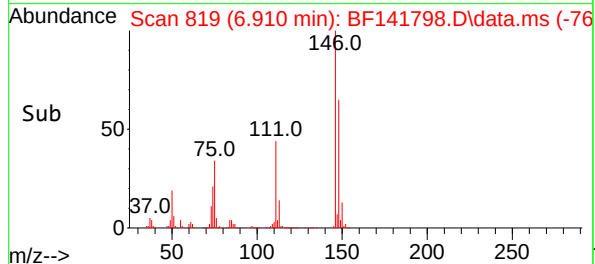
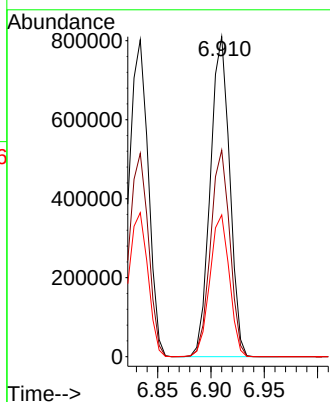
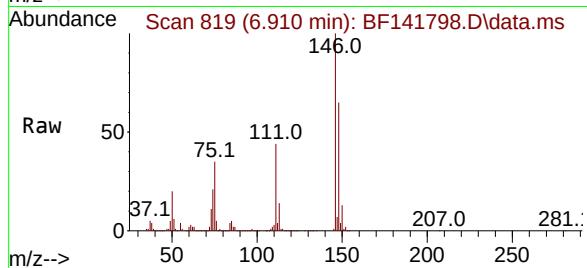




#13  
1,4-Dichlorobenzene  
Concen: 47.531 ng  
RT: 6.910 min Scan# 819  
Delta R.T. -0.000 min  
Lab File: BF141798.D  
Acq: 27 Feb 2025 17:46

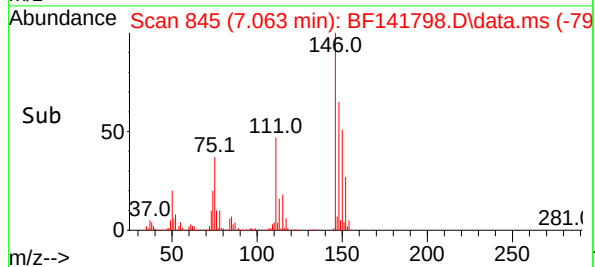
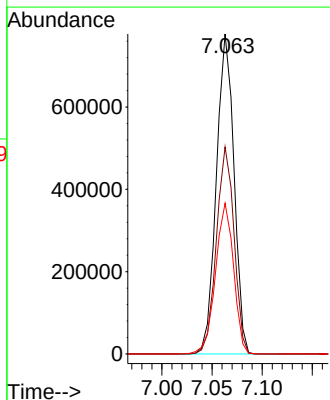
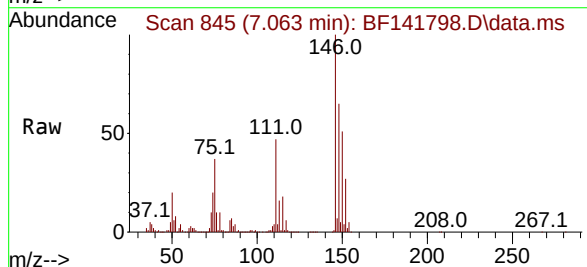
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC050

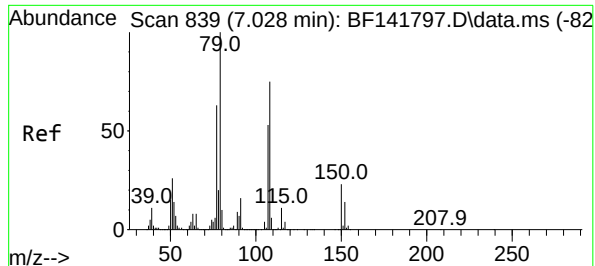
Tgt Ion:146 Resp: 1024761  
Ion Ratio Lower Upper  
146 100  
148 64.5 51.4 77.2  
111 44.3 35.5 53.3



#14  
1,2-Dichlorobenzene  
Concen: 47.090 ng  
RT: 7.063 min Scan# 845  
Delta R.T. -0.000 min  
Lab File: BF141798.D  
Acq: 27 Feb 2025 17:46

Tgt Ion:146 Resp: 948038  
Ion Ratio Lower Upper  
146 100  
148 64.7 51.2 76.8  
111 47.1 37.8 56.6





#15

Benzyl Alcohol

Concen: 48.272 ng

RT: 7.028 min Scan# 81

Delta R.T. -0.000 min

Lab File: BF141798.D

Acq: 27 Feb 2025 17:46

Instrument :

BNA\_F

ClientSampleId :

SSTDICC050

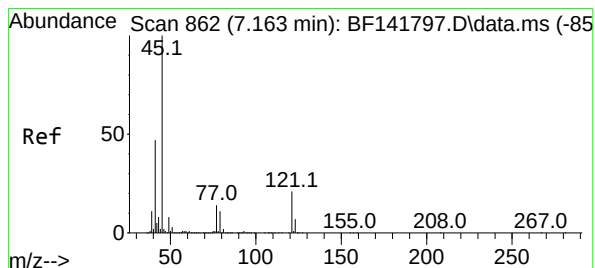
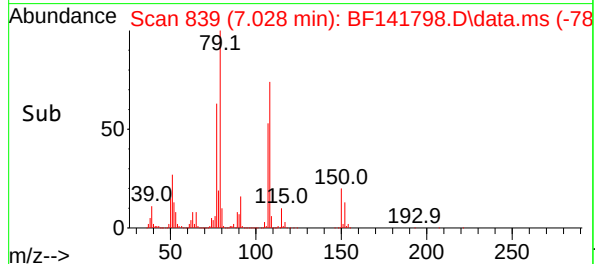
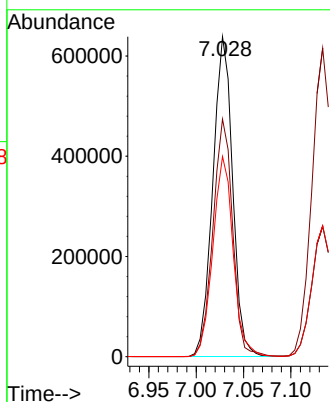
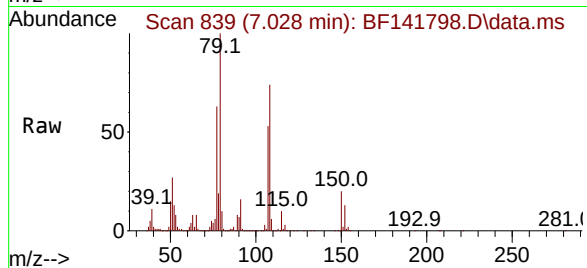
Tgt Ion: 79 Resp: 927459

Ion Ratio Lower Upper

79 100

108 74.2 60.2 90.2

77 62.6 50.2 75.2



#16

2,2'-oxybis(1-chloropropane)

Concen: 47.854 ng

RT: 7.163 min Scan# 862

Delta R.T. -0.000 min

Lab File: BF141798.D

Acq: 27 Feb 2025 17:46

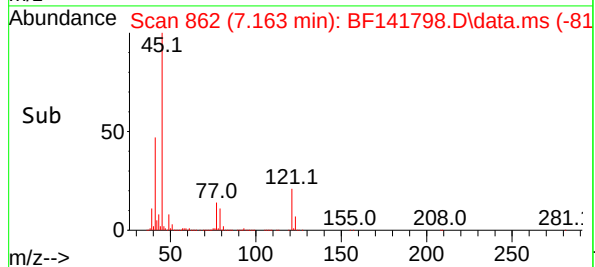
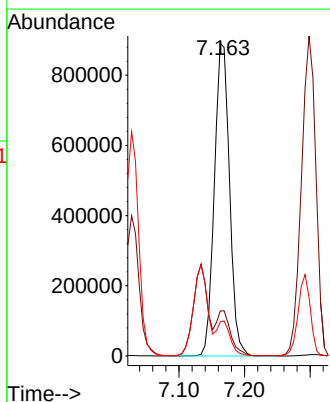
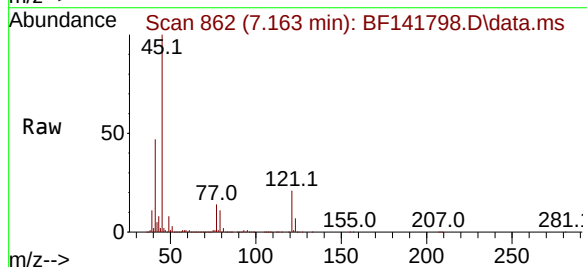
Tgt Ion: 45 Resp: 1423138

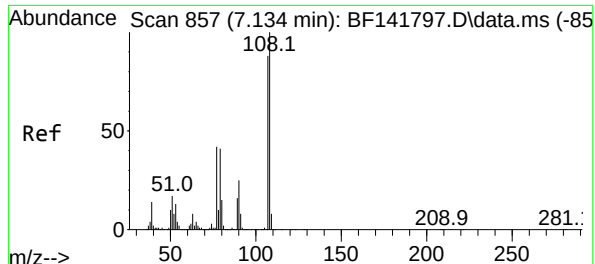
Ion Ratio Lower Upper

45 100

77 14.4 0.0 34.4

79 10.9 0.0 30.9





#17

2-Methylphenol

Concen: 48.240 ng

RT: 7.134 min Scan# 857

Delta R.T. -0.000 min

Lab File: BF141798.D

Acq: 27 Feb 2025 17:46

Instrument :

BNA\_F

ClientSampleId :

SSTDICC050

Tgt Ion:107 Resp: 795600

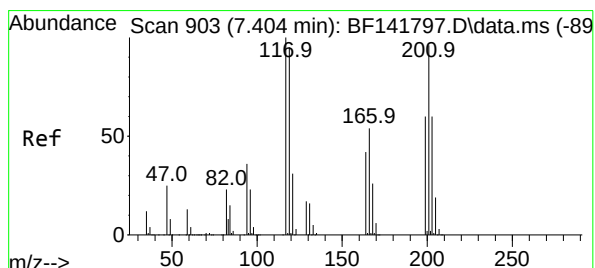
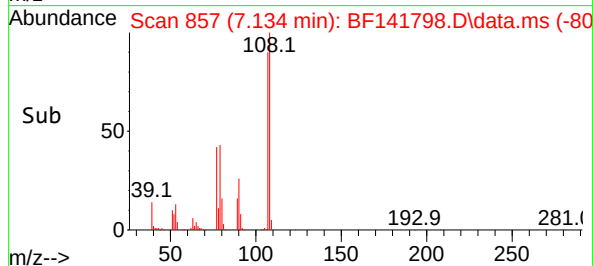
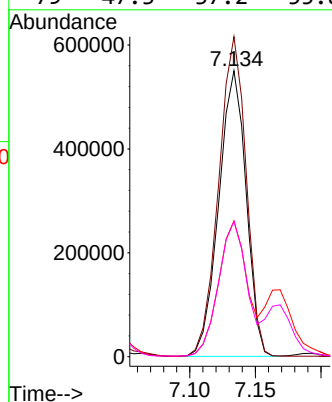
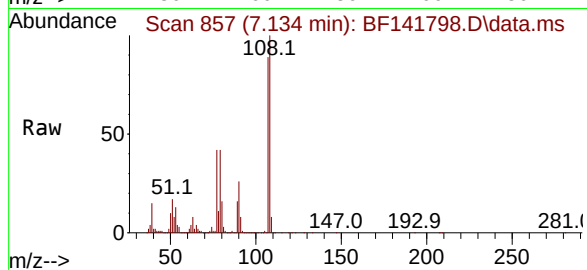
Ion Ratio Lower Upper

107 100

108 111.9 90.6 135.8

77 47.5 37.7 56.5

79 47.3 37.2 55.8



#18

Hexachloroethane

Concen: 48.741 ng

RT: 7.404 min Scan# 903

Delta R.T. -0.000 min

Lab File: BF141798.D

Acq: 27 Feb 2025 17:46

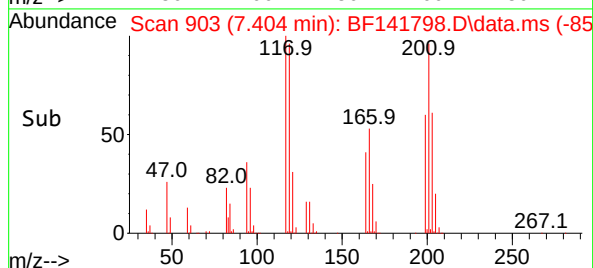
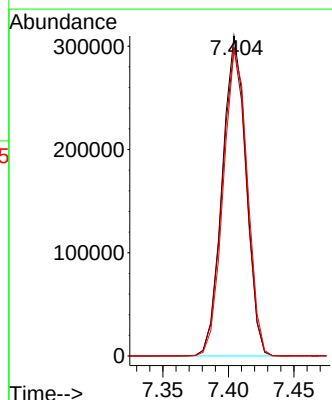
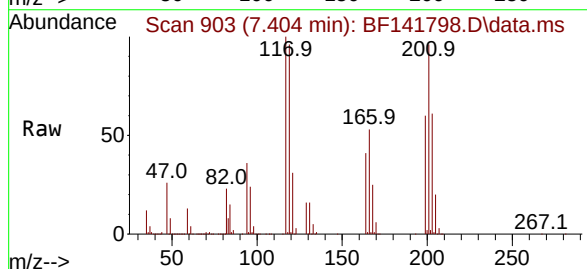
Tgt Ion:117 Resp: 393322

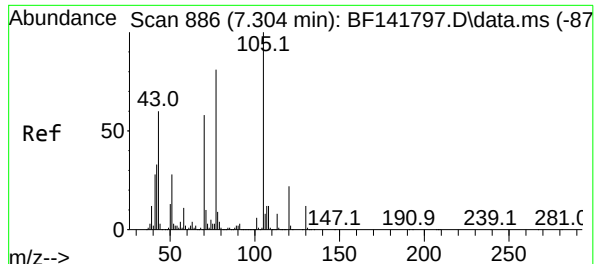
Ion Ratio Lower Upper

117 100

119 96.4 75.8 113.8

201 95.6 76.7 115.1





#19

n-Nitroso-di-n-propylamine

Concen: 47.090 ng

RT: 7.310 min Scan# 887

Delta R.T. 0.006 min

Lab File: BF141798.D

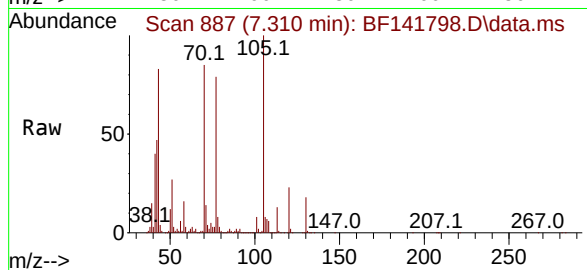
Acq: 27 Feb 2025 17:46

Instrument :

BNA\_F

ClientSampleId :

SSTDICC050



Tgt Ion: 70 Resp: 744192

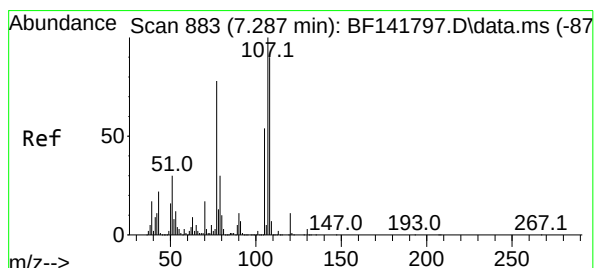
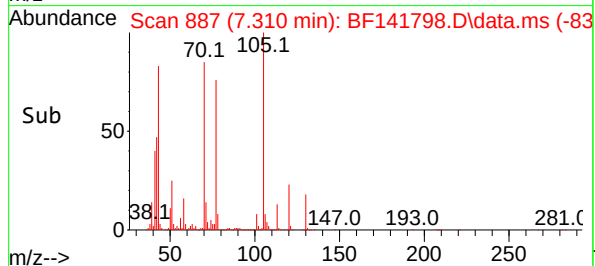
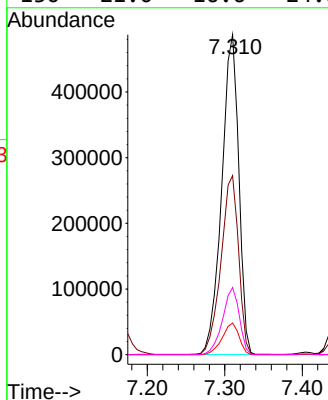
Ion Ratio Lower Upper

70 100

42 55.9 45.4 68.0

101 9.9 7.8 11.8

130 21.0 16.6 24.8



#20

3+4-Methylphenols

Concen: 46.825 ng

RT: 7.292 min Scan# 884

Delta R.T. 0.006 min

Lab File: BF141798.D

Acq: 27 Feb 2025 17:46

Tgt Ion: 107 Resp: 961623

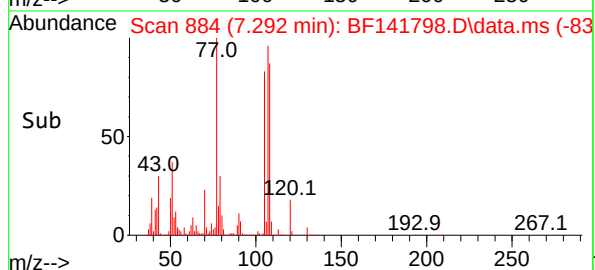
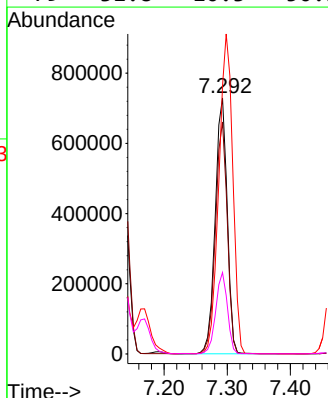
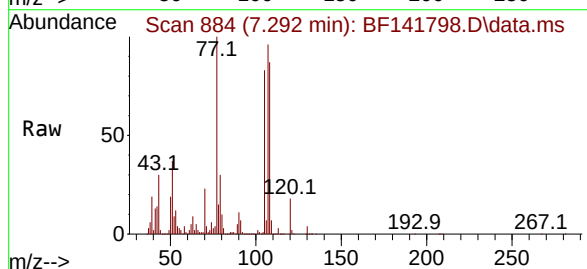
Ion Ratio Lower Upper

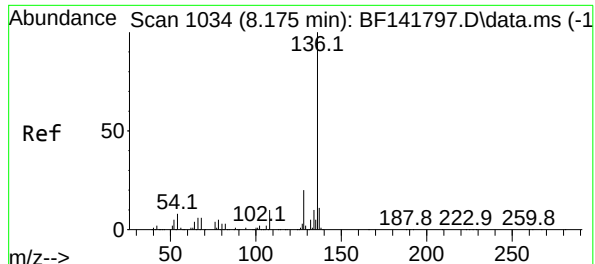
107 100

108 90.6 69.7 109.7

77 104.7 58.3 98.3#

79 31.8 10.3 50.3

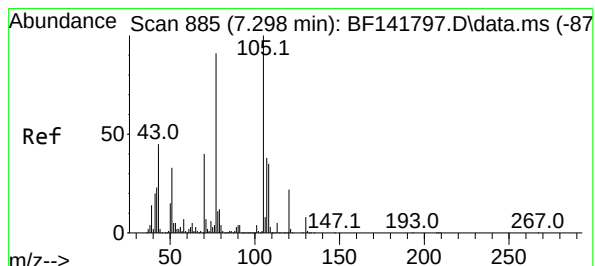
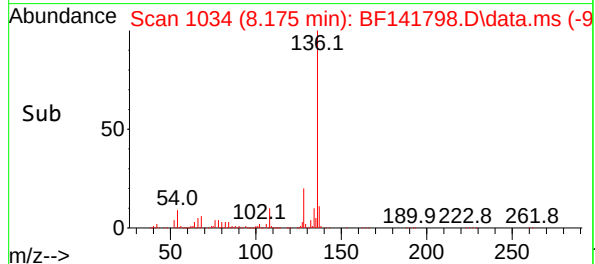
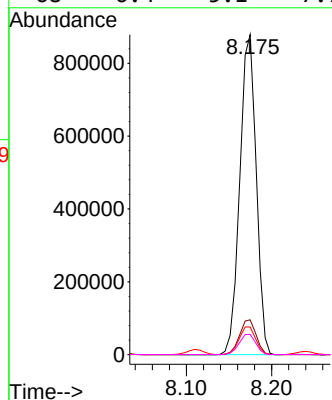
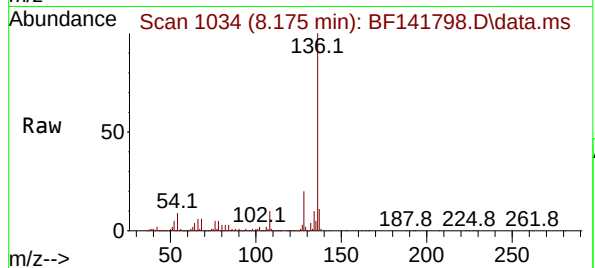




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.175 min Scan# 1034  
Delta R.T. -0.000 min  
Lab File: BF141798.D  
Acq: 27 Feb 2025 17:46

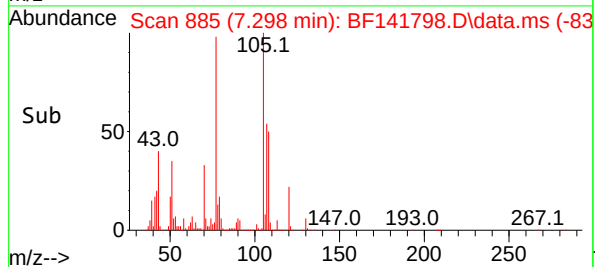
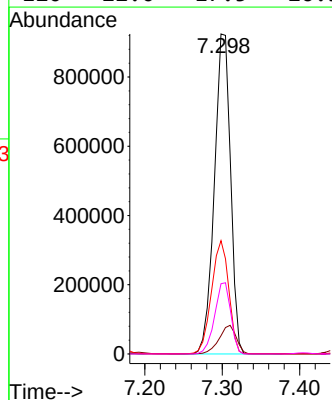
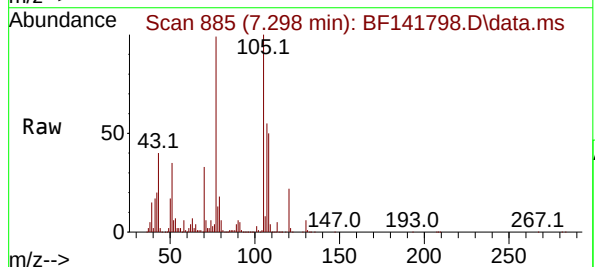
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC050

Tgt Ion:136 Resp: 1175652  
Ion Ratio Lower Upper  
136 100  
137 10.9 8.9 13.3  
54 8.7 6.9 10.3  
68 6.4 5.1 7.7

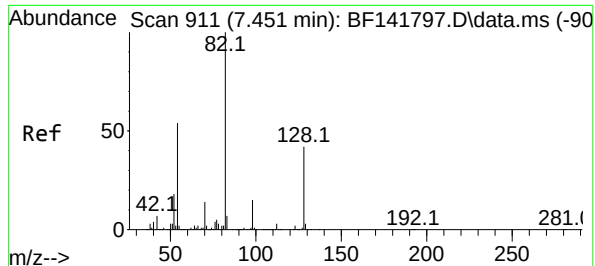


#22  
Acetophenone  
Concen: 46.798 ng  
RT: 7.298 min Scan# 885  
Delta R.T. -0.000 min  
Lab File: BF141798.D  
Acq: 27 Feb 2025 17:46

Tgt Ion:105 Resp: 1339971  
Ion Ratio Lower Upper  
105 100  
71 5.7 5.4 8.0  
51 35.4 26.1 39.1  
120 22.0 17.5 26.3







#23

Nitrobenzene-d5

Concen: 106.234 ng

RT: 7.457 min Scan# 911

Delta R.T. 0.006 min

Lab File: BF141798.D

Acq: 27 Feb 2025 17:46

Instrument :

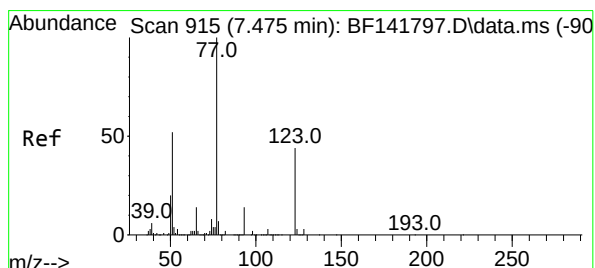
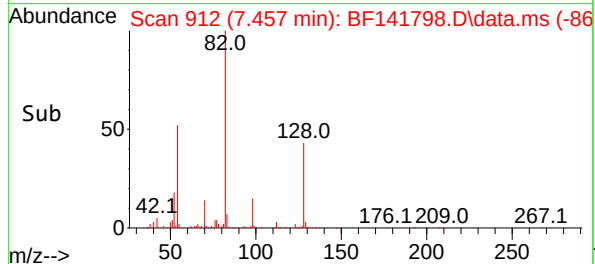
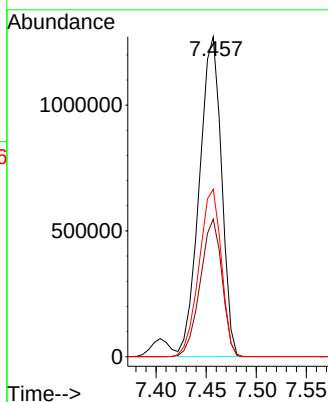
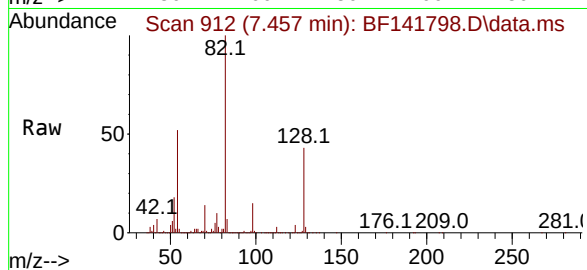
BNA\_F

ClientSampleId :

SSTDICC050

Tgt Ion: 82 Resp: 1953916

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 43.0  | 33.5  | 50.3  |
| 54  | 52.3  | 42.7  | 64.1  |



#24

Nitrobenzene

Concen: 52.073 ng

RT: 7.475 min Scan# 915

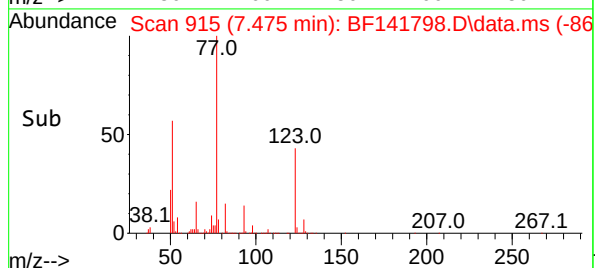
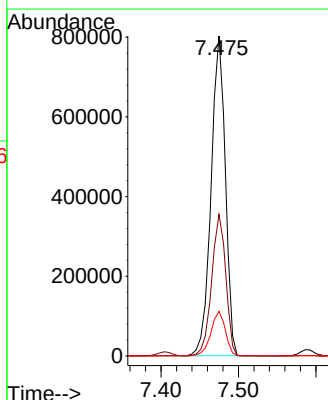
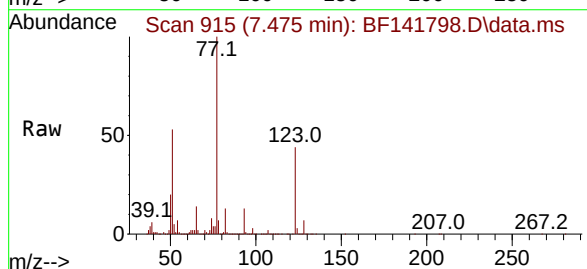
Delta R.T. -0.000 min

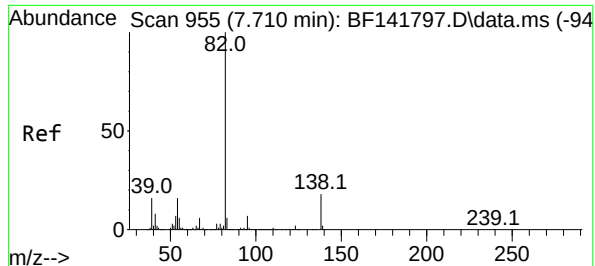
Lab File: BF141798.D

Acq: 27 Feb 2025 17:46

Tgt Ion: 77 Resp: 1025625

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 77  | 100   |       |       |
| 123 | 44.2  | 35.8  | 53.8  |
| 65  | 14.0  | 11.2  | 16.8  |

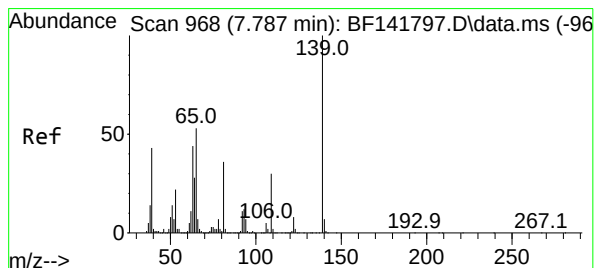
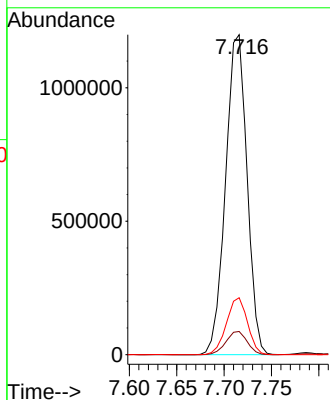
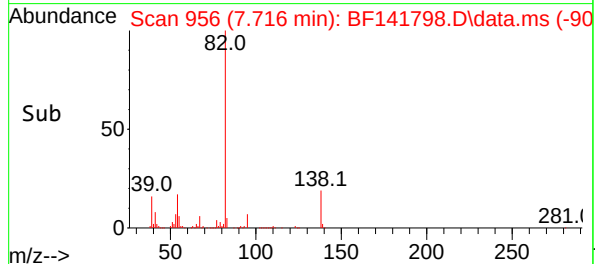
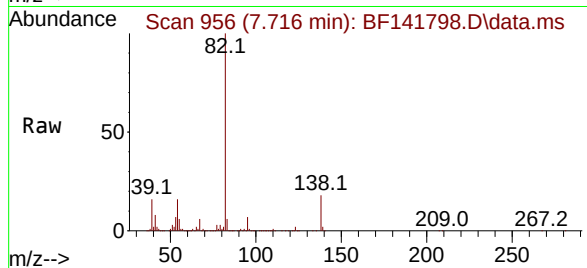




#25  
Isophorone  
Concen: 47.744 ng  
RT: 7.716 min Scan# 956  
Delta R.T. 0.006 min  
Lab File: BF141798.D  
Acq: 27 Feb 2025 17:46

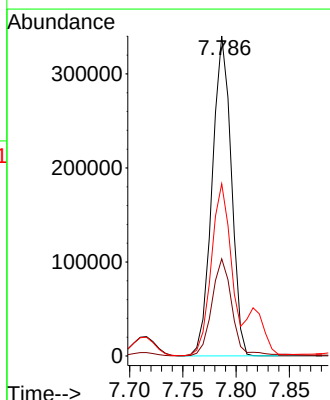
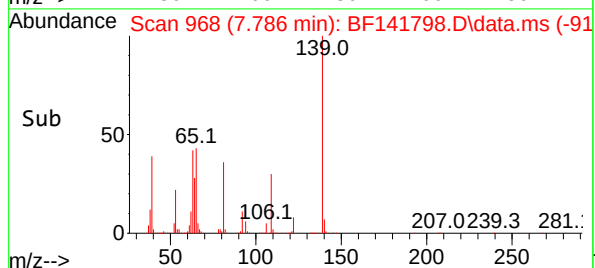
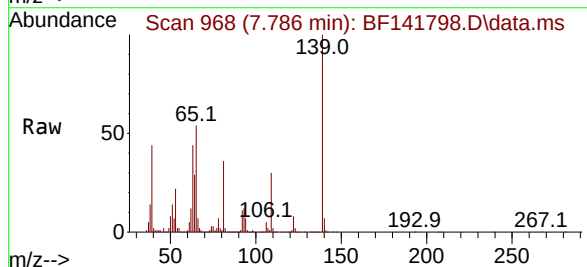
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC050

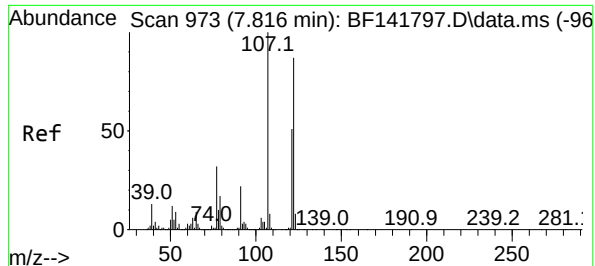
Tgt Ion: 82 Resp: 1886546  
Ion Ratio Lower Upper  
82 100  
95 7.3 5.8 8.8  
138 17.8 14.0 21.0



#26  
2-Nitrophenol  
Concen: 48.354 ng  
RT: 7.786 min Scan# 968  
Delta R.T. -0.001 min  
Lab File: BF141798.D  
Acq: 27 Feb 2025 17:46

Tgt Ion:139 Resp: 425765  
Ion Ratio Lower Upper  
139 100  
109 30.4 24.1 36.1  
65 53.8 42.3 63.5





#27

2,4-Dimethylphenol

Concen: 48.082 ng

RT: 7.816 min Scan# 91

Delta R.T. -0.000 min

Lab File: BF141798.D

Acq: 27 Feb 2025 17:46

Instrument :

BNA\_F

ClientSampleId :

SSTDIC050

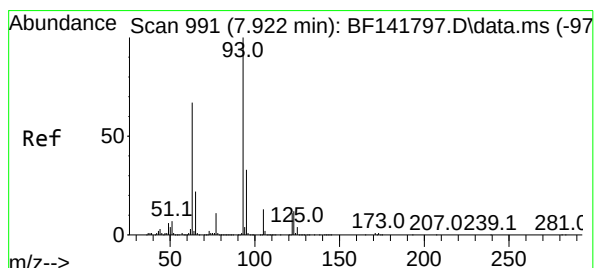
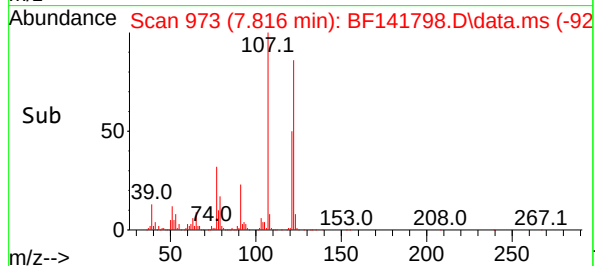
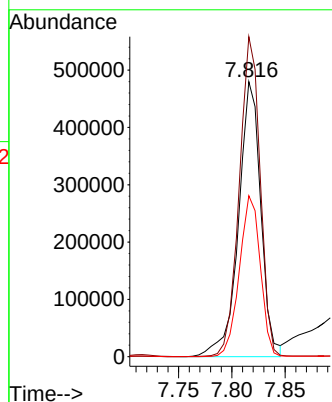
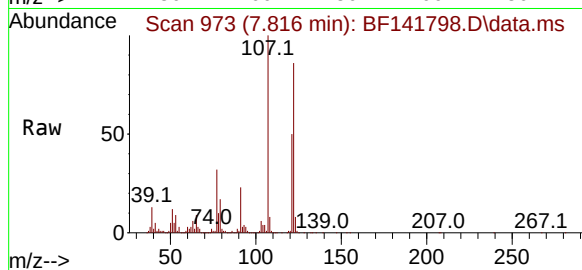
Tgt Ion:122 Resp: 698393

Ion Ratio Lower Upper

122 100

107 116.4 92.5 138.7

121 58.6 47.1 70.7



#28

bis(2-Chloroethoxy)methane

Concen: 47.060 ng

RT: 7.922 min Scan# 991

Delta R.T. -0.000 min

Lab File: BF141798.D

Acq: 27 Feb 2025 17:46

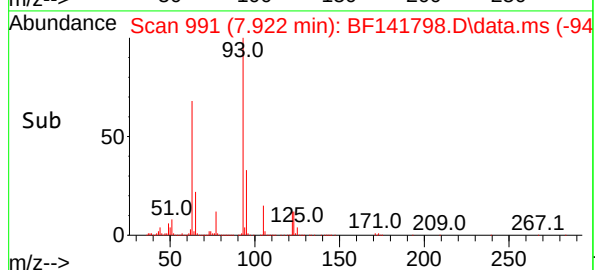
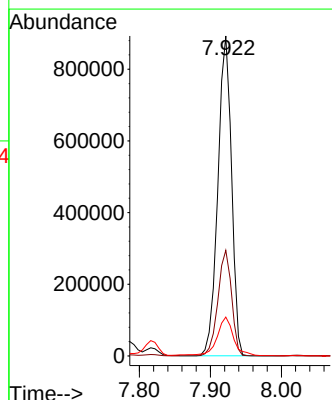
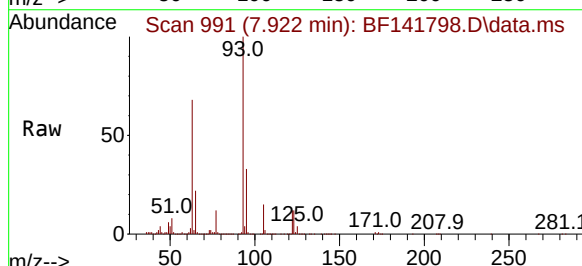
Tgt Ion: 93 Resp: 1186179

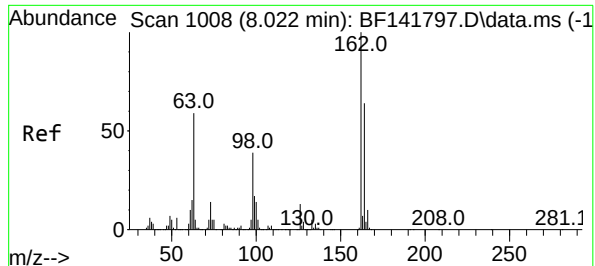
Ion Ratio Lower Upper

93 100

95 33.0 26.5 39.7

123 12.2 10.0 15.0





#29

2,4-Dichlorophenol

Concen: 48.527 ng

RT: 8.022 min Scan# 1008

Delta R.T. -0.000 min

Lab File: BF141798.D

Acq: 27 Feb 2025 17:46

Instrument :

BNA\_F

ClientSampleId :

SSTDICC050

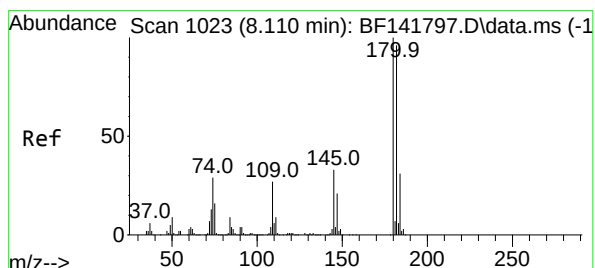
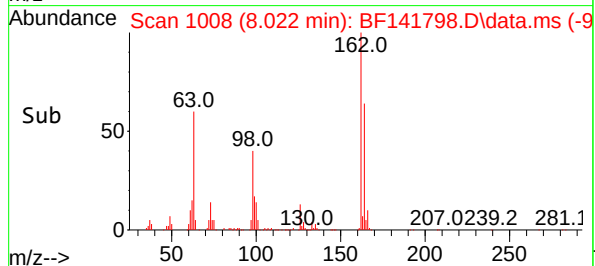
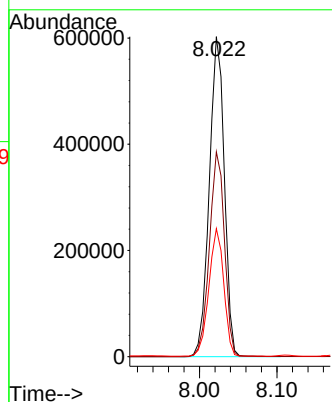
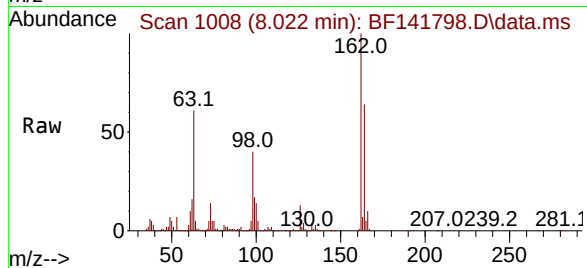
Tgt Ion:162 Resp: 813150

Ion Ratio Lower Upper

162 100

164 64.0 44.3 84.3

98 40.0 19.6 59.6



#30

1,2,4-Trichlorobenzene

Concen: 47.693 ng

RT: 8.110 min Scan# 1023

Delta R.T. -0.000 min

Lab File: BF141798.D

Acq: 27 Feb 2025 17:46

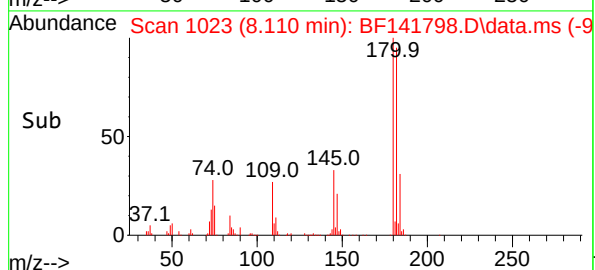
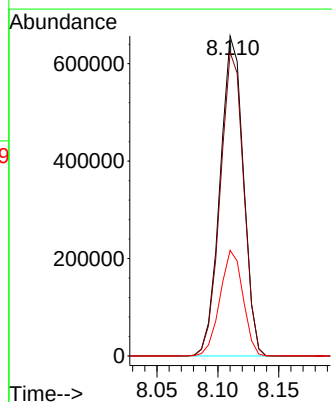
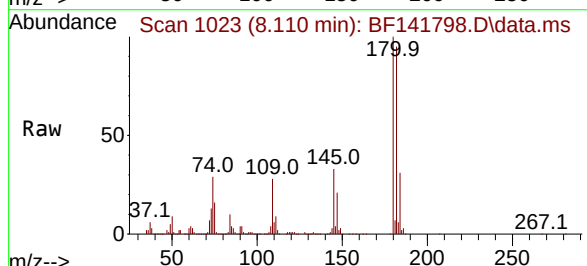
Tgt Ion:180 Resp: 875703

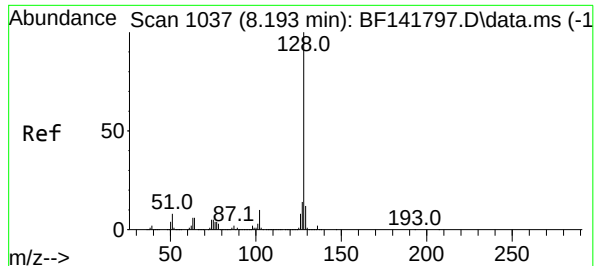
Ion Ratio Lower Upper

180 100

182 94.9 76.8 115.2

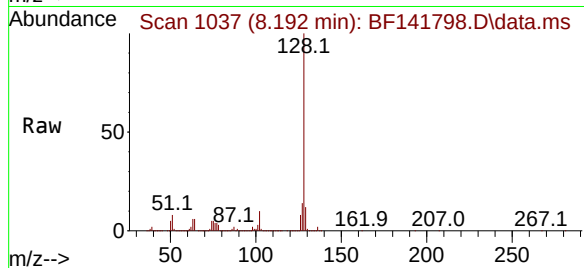
145 33.0 26.4 39.6



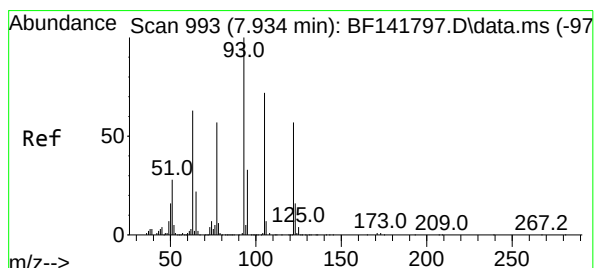
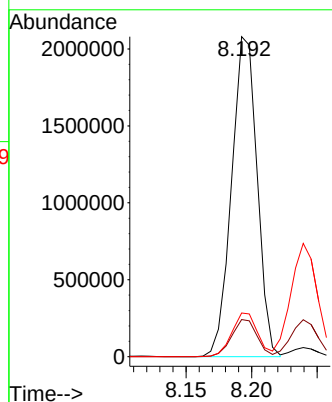
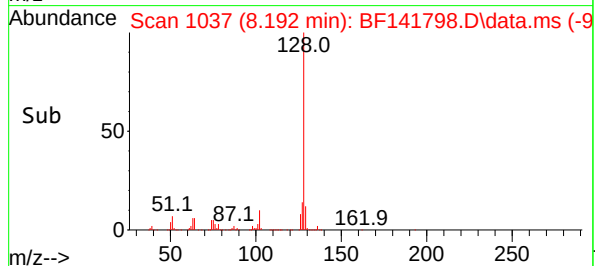


#31  
Naphthalene  
Concen: 46.685 ng  
RT: 8.192 min Scan# 1037  
Delta R.T. -0.000 min  
Lab File: BF141798.D  
Acq: 27 Feb 2025 17:46

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC050

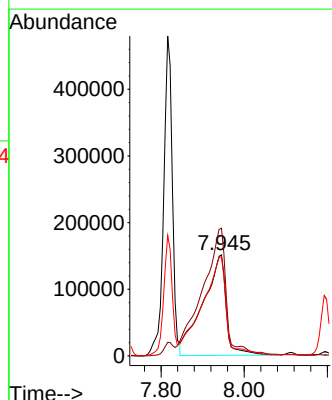
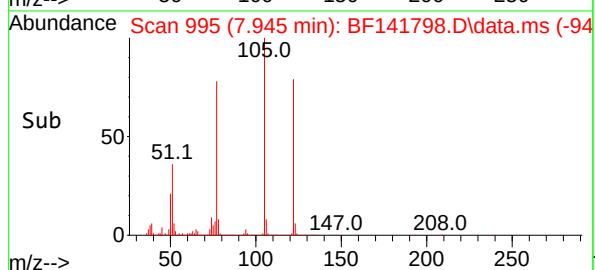
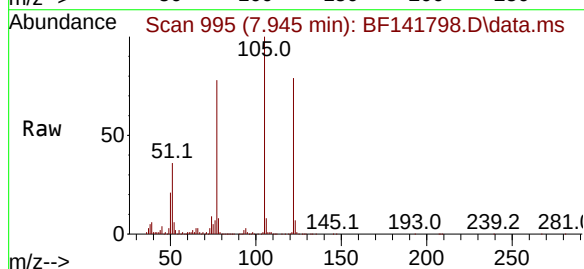


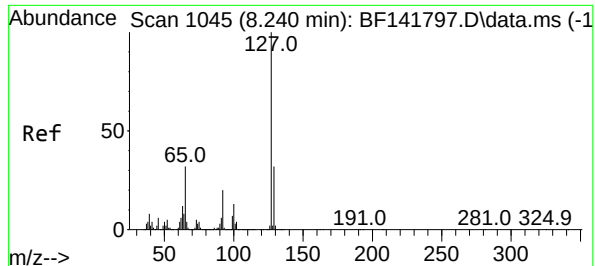
Tgt Ion:128 Resp: 2820879  
Ion Ratio Lower Upper  
128 100  
129 11.6 9.2 13.8  
127 13.7 11.0 16.4



#32  
Benzoic acid  
Concen: 48.392 ng  
RT: 7.945 min Scan# 995  
Delta R.T. 0.011 min  
Lab File: BF141798.D  
Acq: 27 Feb 2025 17:46

Tgt Ion:122 Resp: 587574  
Ion Ratio Lower Upper  
122 100  
105 126.4 105.8 145.8  
77 98.1 79.9 119.9

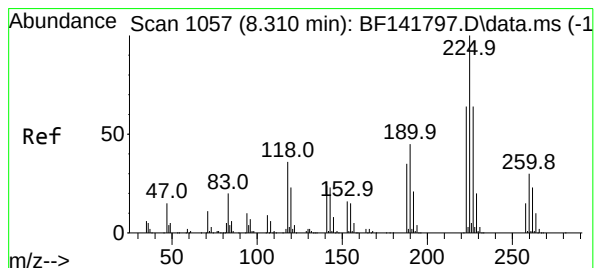
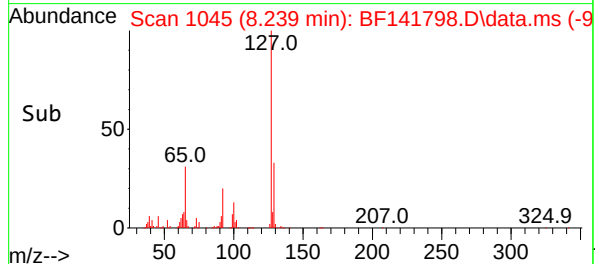
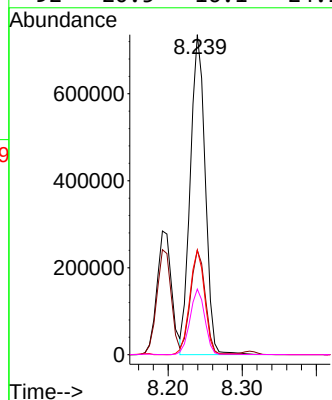
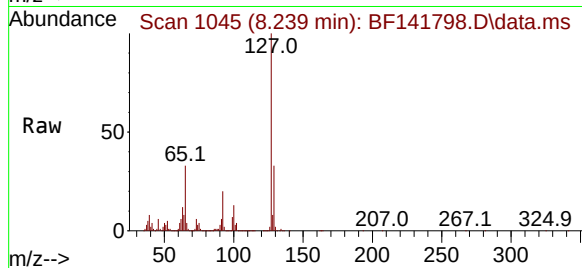




#33  
4-Chloroaniline  
Concen: 46.432 ng  
RT: 8.239 min Scan# 1045  
Delta R.T. -0.000 min  
Lab File: BF141798.D  
Acq: 27 Feb 2025 17:46

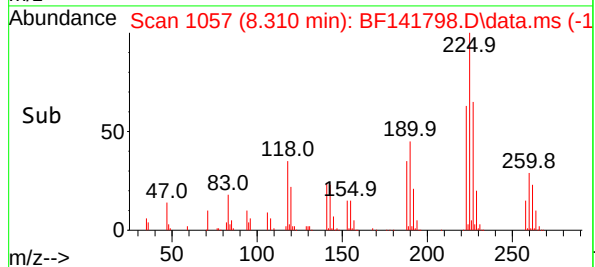
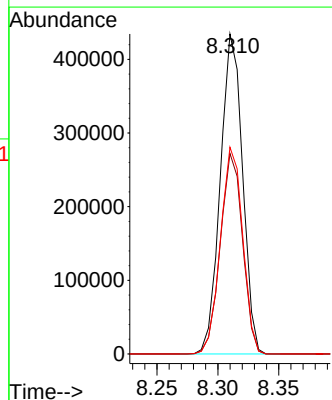
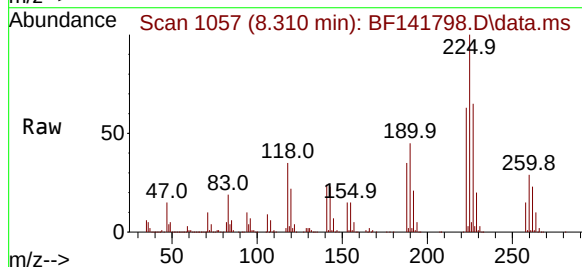
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC050

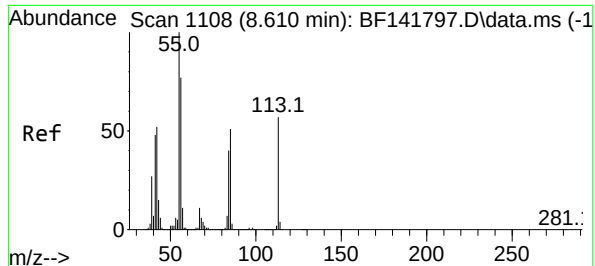
Tgt Ion:127 Resp: 1028715  
Ion Ratio Lower Upper  
127 100  
129 32.7 26.1 39.1  
65 32.7 25.7 38.5  
92 20.5 16.1 24.1



#34  
Hexachlorobutadiene  
Concen: 48.351 ng  
RT: 8.310 min Scan# 1057  
Delta R.T. -0.000 min  
Lab File: BF141798.D  
Acq: 27 Feb 2025 17:46

Tgt Ion:225 Resp: 551683  
Ion Ratio Lower Upper  
225 100  
223 62.7 51.4 77.2  
227 64.6 51.6 77.4

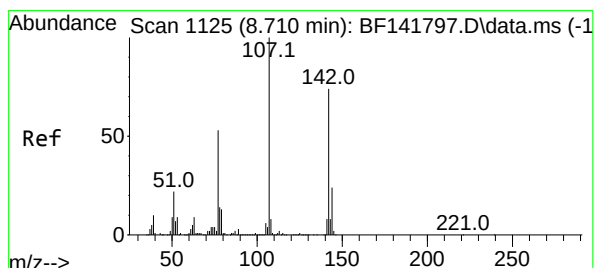
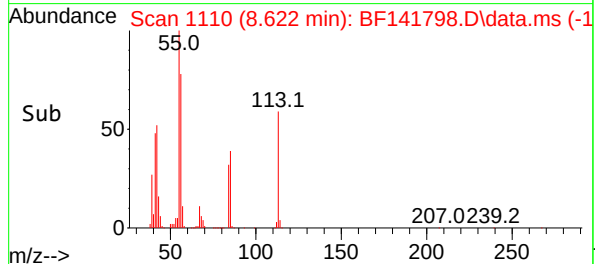
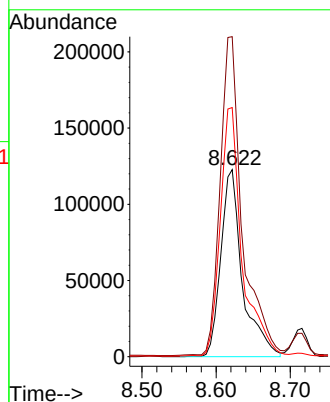
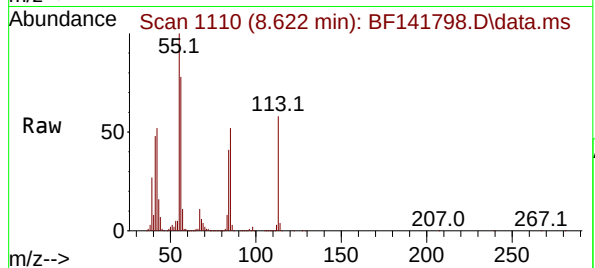




#35  
Caprolactam  
Concen: 48.241 ng  
RT: 8.622 min Scan# 1110  
Delta R.T. 0.012 min  
Lab File: BF141798.D  
Acq: 27 Feb 2025 17:46

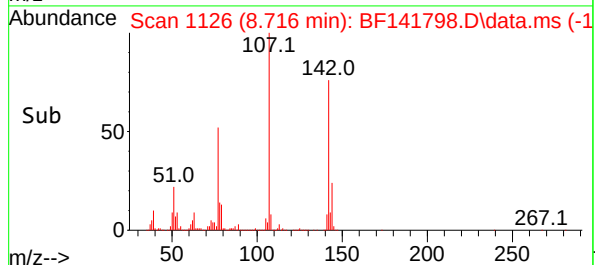
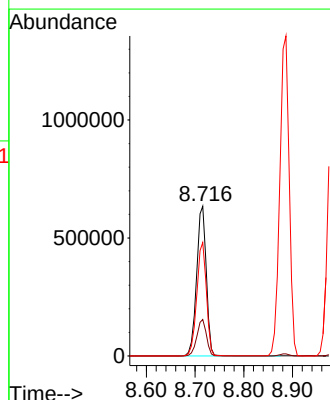
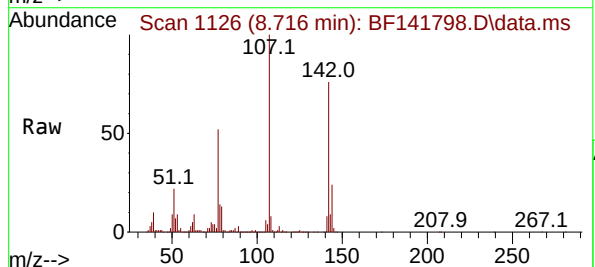
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC050

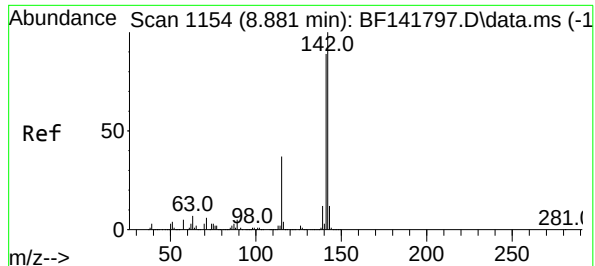
Tgt Ion:113 Resp: 248725  
Ion Ratio Lower Upper  
113 100  
55 171.1 155.6 195.6  
56 133.2 114.6 154.6



#36  
4-Chloro-3-methylphenol  
Concen: 47.314 ng  
RT: 8.716 min Scan# 1126  
Delta R.T. 0.006 min  
Lab File: BF141798.D  
Acq: 27 Feb 2025 17:46

Tgt Ion:107 Resp: 880725  
Ion Ratio Lower Upper  
107 100  
144 24.4 19.4 29.0  
142 75.8 59.4 89.0

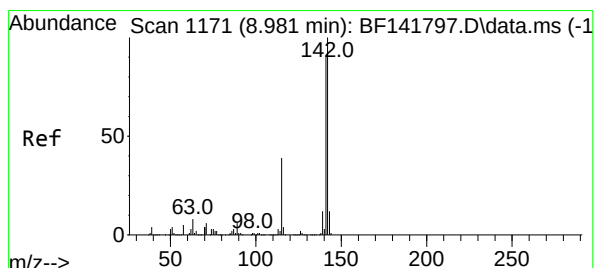
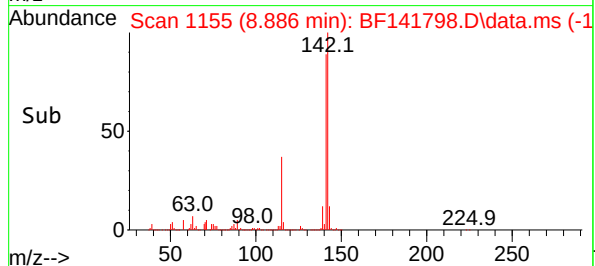
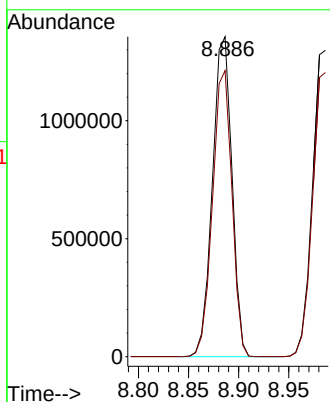
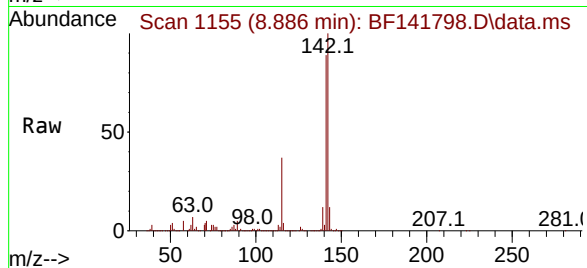




#37  
2-Methylnaphthalene  
Concen: 46.064 ng  
RT: 8.886 min Scan# 1154  
Delta R.T. 0.006 min  
Lab File: BF141798.D  
Acq: 27 Feb 2025 17:46

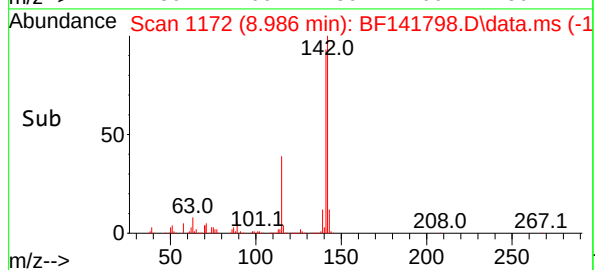
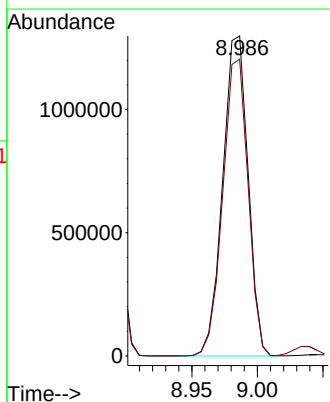
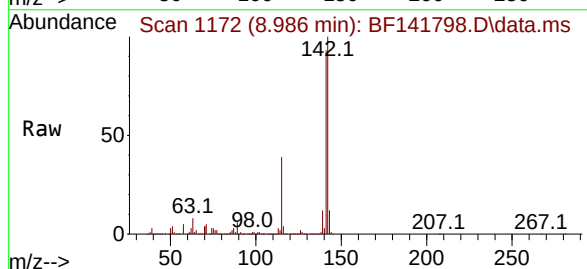
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC050

Tgt Ion:142 Resp: 1825639  
Ion Ratio Lower Upper  
142 100  
141 89.4 71.1 106.7

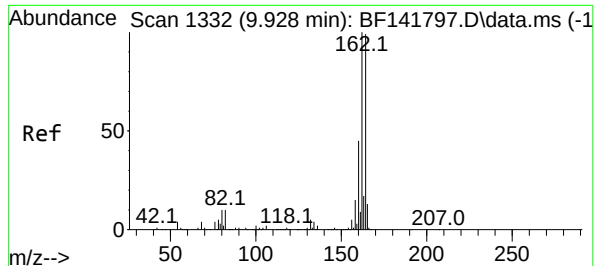


#38  
1-Methylnaphthalene  
Concen: 45.899 ng  
RT: 8.986 min Scan# 1172  
Delta R.T. 0.006 min  
Lab File: BF141798.D  
Acq: 27 Feb 2025 17:46

Tgt Ion:142 Resp: 1745465  
Ion Ratio Lower Upper  
142 100  
141 92.7 73.1 109.7







#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.928 min Scan# 1183

Delta R.T. -0.000 min

Lab File: BF141798.D

Acq: 27 Feb 2025 17:46

Instrument :

BNA\_F

ClientSampleId :

SSTDICC050

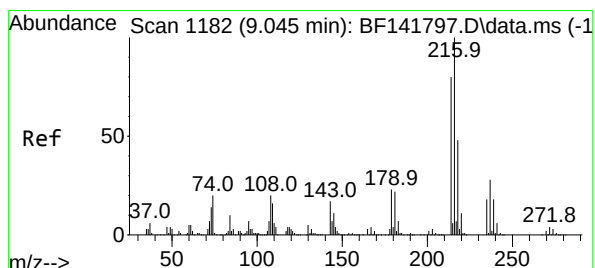
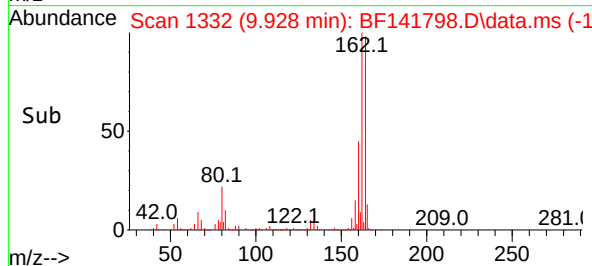
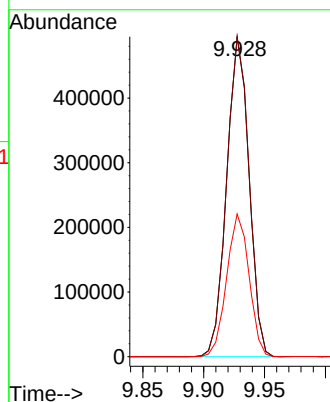
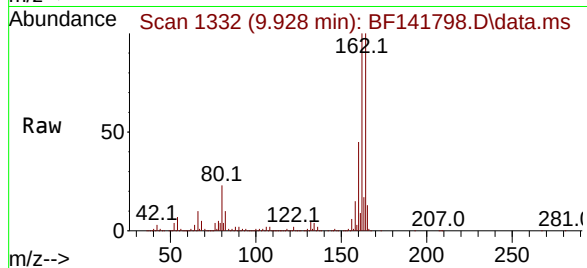
Tgt Ion:164 Resp: 632437

Ion Ratio Lower Upper

164 100

162 100.1 80.6 120.8

160 44.7 36.3 54.5



#40

1,2,4,5-Tetrachlorobenzene

Concen: 47.555 ng

RT: 9.051 min Scan# 1183

Delta R.T. 0.006 min

Lab File: BF141798.D

Acq: 27 Feb 2025 17:46

Tgt Ion:216 Resp: 868619

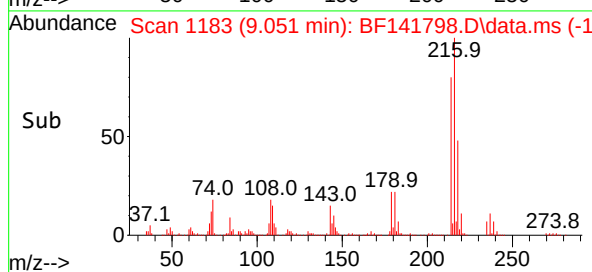
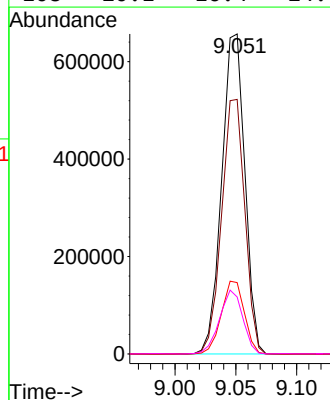
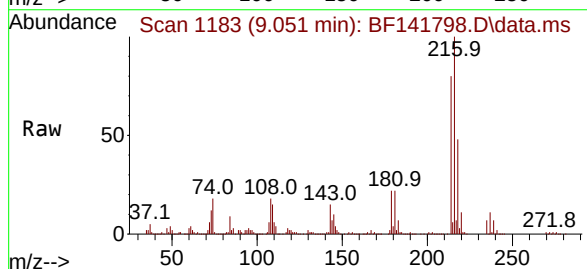
Ion Ratio Lower Upper

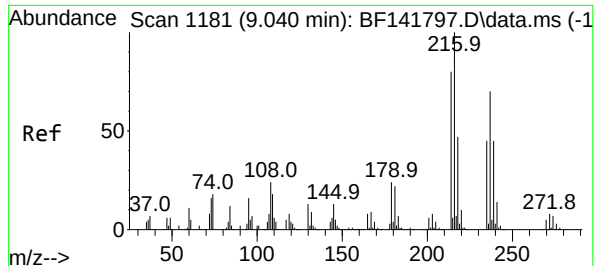
216 100

214 79.7 63.5 95.3

179 22.6 18.1 27.1

108 20.1 16.4 24.6

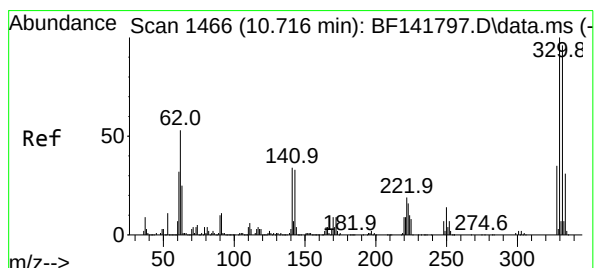
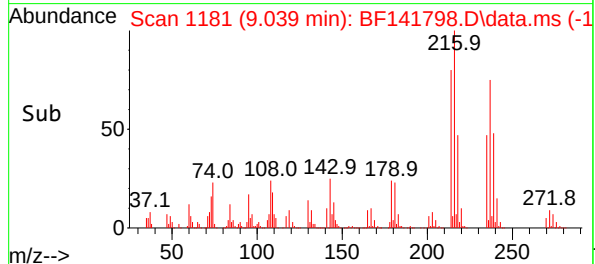
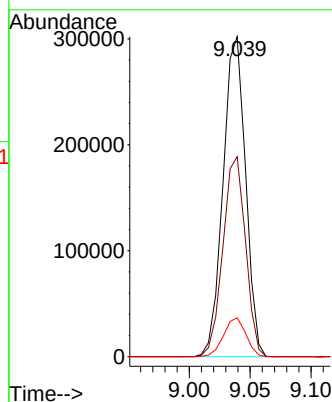
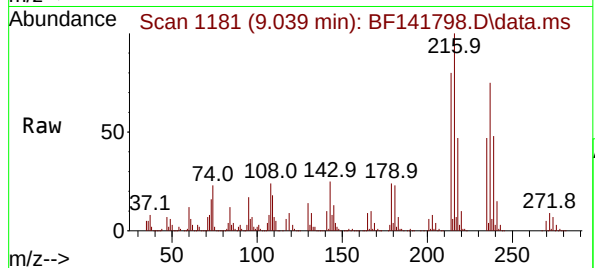




#41  
Hexachlorocyclopentadiene  
Concen: 50.930 ng  
RT: 9.039 min Scan# 1181  
Delta R.T. -0.000 min  
Lab File: BF141798.D  
Acq: 27 Feb 2025 17:46

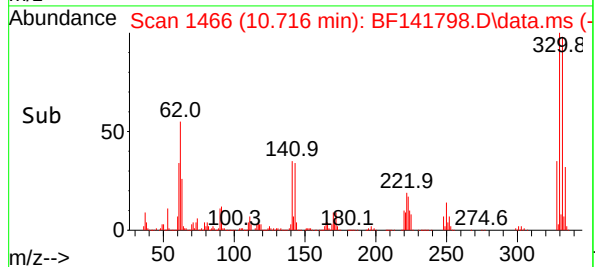
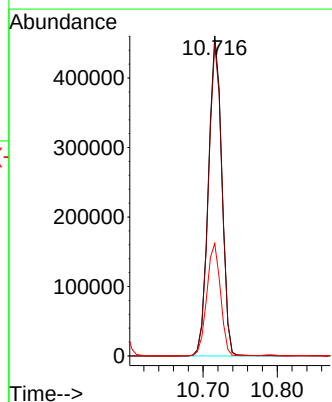
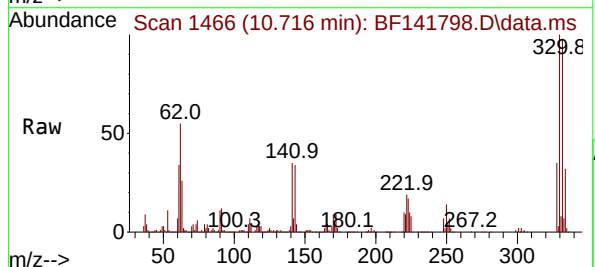
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC050

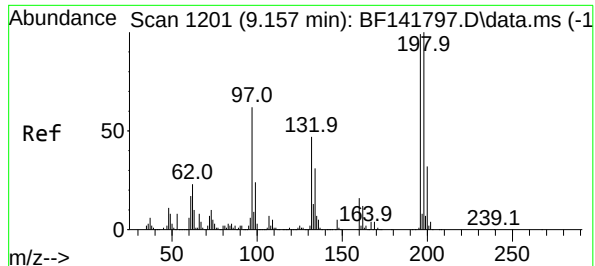
Tgt Ion:237 Resp: 388222  
Ion Ratio Lower Upper  
237 100  
235 62.5 43.3 83.3  
272 12.2 0.0 31.9



#42  
2,4,6-Tribromophenol  
Concen: 97.701 ng  
RT: 10.716 min Scan# 1466  
Delta R.T. -0.000 min  
Lab File: BF141798.D  
Acq: 27 Feb 2025 17:46

Tgt Ion:330 Resp: 580093  
Ion Ratio Lower Upper  
330 100  
332 97.8 76.6 115.0  
141 35.8 29.0 43.4





#43

2,4,6-Trichlorophenol

Concen: 49.010 ng

RT: 9.157 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF141798.D

Acq: 27 Feb 2025 17:46

Instrument :

BNA\_F

ClientSampleId :

SSTDICC050

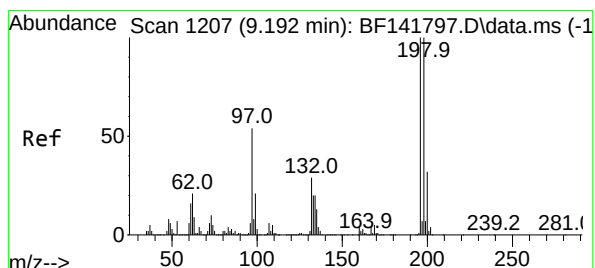
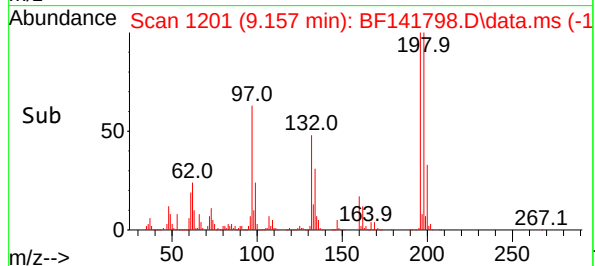
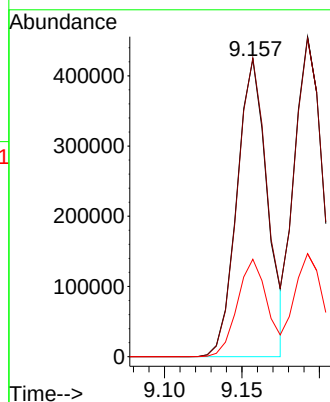
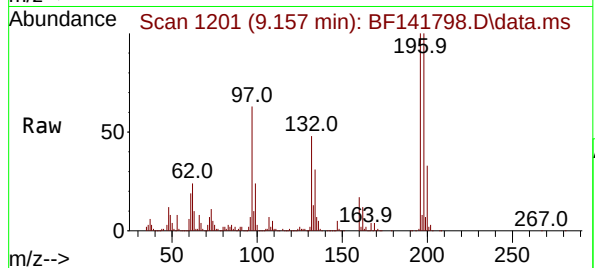
Tgt Ion:196 Resp: 578263

Ion Ratio Lower Upper

196 100

198 100.5 80.4 120.6

200 32.7 25.7 38.5



#44

2,4,5-Trichlorophenol

Concen: 49.213 ng

RT: 9.192 min Scan# 1207

Delta R.T. -0.000 min

Lab File: BF141798.D

Acq: 27 Feb 2025 17:46

Tgt Ion:196 Resp: 574978

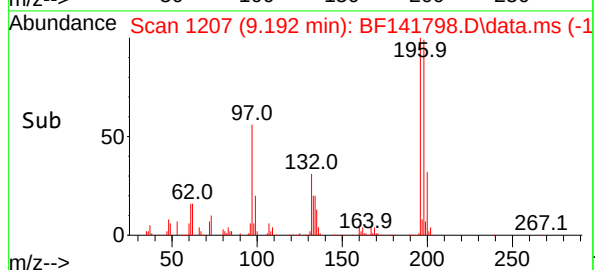
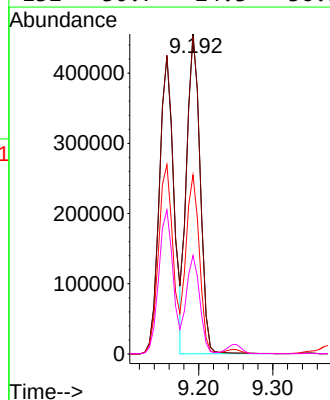
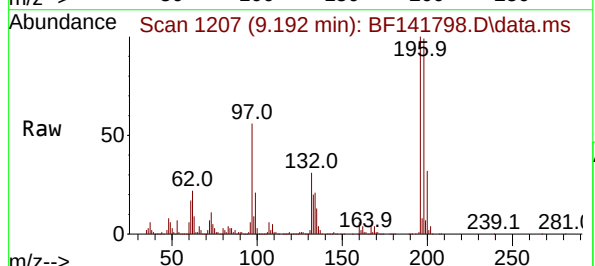
Ion Ratio Lower Upper

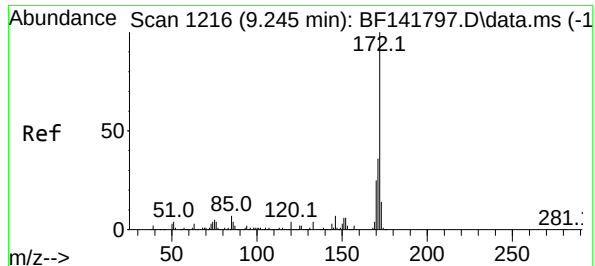
196 100

198 99.5 79.7 119.5

97 55.9 44.2 66.2

132 30.7 24.3 36.5





#45

2-Fluorobiphenyl

Concen: 90.435 ng

RT: 9.251 min Scan# 1217

Delta R.T. 0.006 min

Lab File: BF141798.D

Acq: 27 Feb 2025 17:46

Instrument :

BNA\_F

ClientSampleId :

SSTDICC050

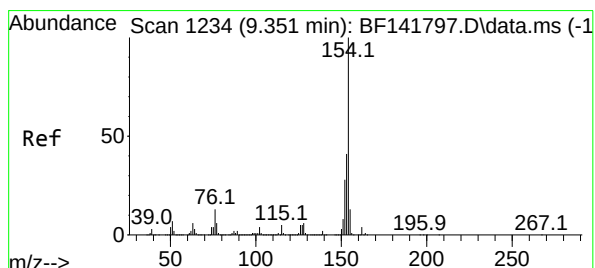
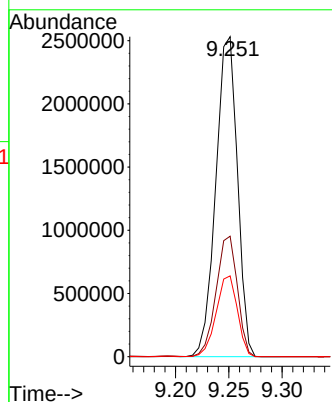
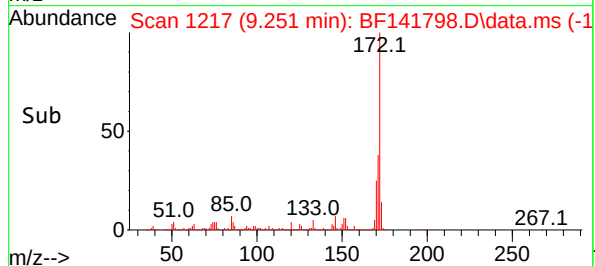
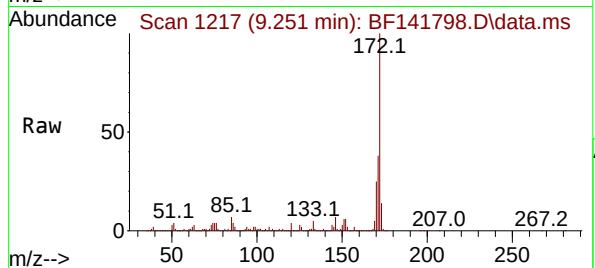
Tgt Ion:172 Resp: 3566962

Ion Ratio Lower Upper

172 100

171 37.6 29.2 43.8

170 25.2 19.7 29.5



#46

1,1'-Biphenyl

Concen: 46.420 ng

RT: 9.351 min Scan# 1234

Delta R.T. -0.000 min

Lab File: BF141798.D

Acq: 27 Feb 2025 17:46

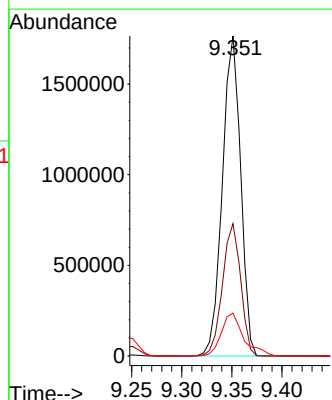
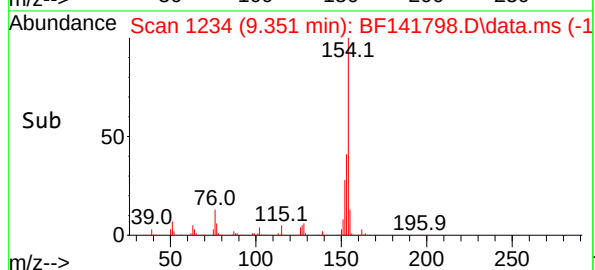
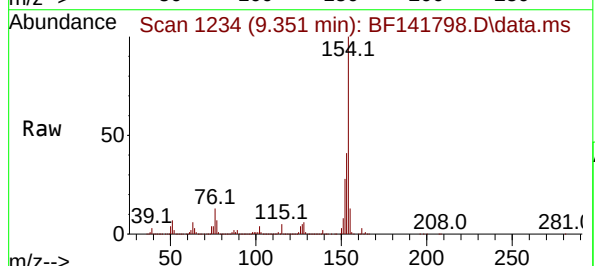
Tgt Ion:154 Resp: 2234592

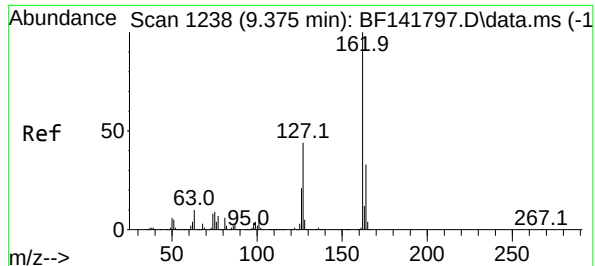
Ion Ratio Lower Upper

154 100

153 41.4 21.4 61.4

76 13.4 0.0 33.4

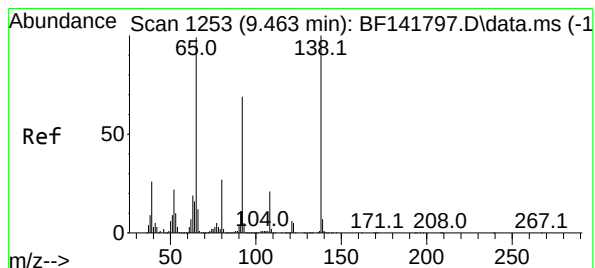
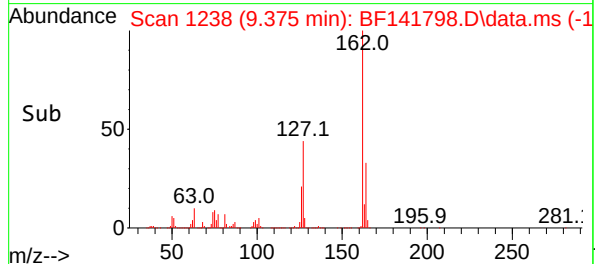
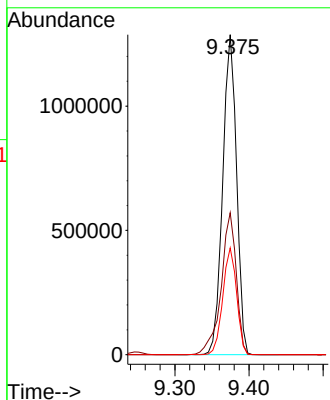
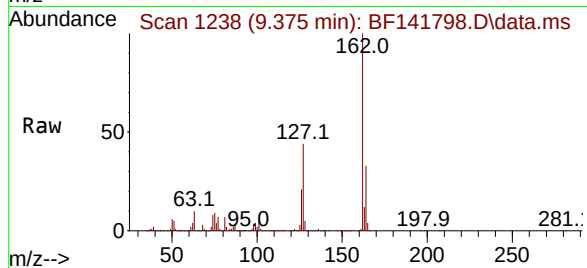




#47  
2-Chloronaphthalene  
Concen: 47.075 ng  
RT: 9.375 min Scan# 1238  
Delta R.T. -0.000 min  
Lab File: BF141798.D  
Acq: 27 Feb 2025 17:46

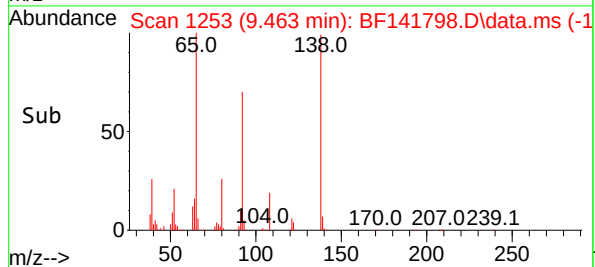
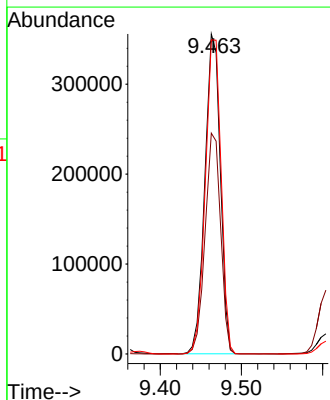
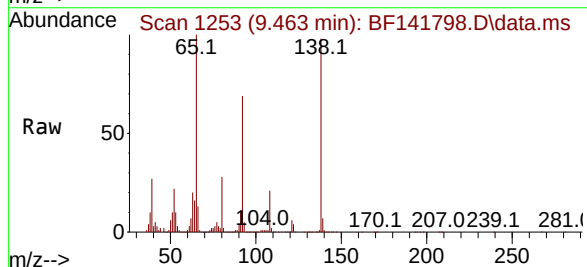
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC050

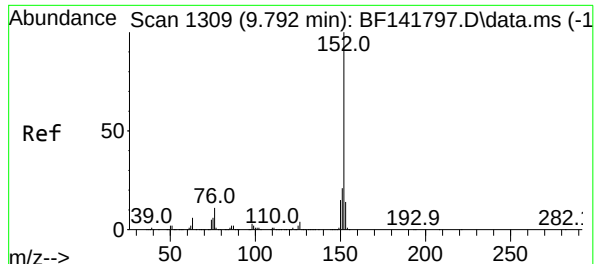
Tgt Ion:162 Resp: 1672555  
Ion Ratio Lower Upper  
162 100  
127 44.4 35.0 52.6  
164 33.4 26.6 40.0



#48  
2-Nitroaniline  
Concen: 48.211 ng  
RT: 9.463 min Scan# 1253  
Delta R.T. -0.000 min  
Lab File: BF141798.D  
Acq: 27 Feb 2025 17:46

Tgt Ion: 65 Resp: 469075  
Ion Ratio Lower Upper  
65 100  
92 69.0 55.7 83.5  
138 98.1 80.6 121.0





#49

Acenaphthylene

Concen: 46.294 ng

RT: 9.792 min Scan# 1309

Delta R.T. -0.000 min

Lab File: BF141798.D

Acq: 27 Feb 2025 17:46

Instrument :

BNA\_F

ClientSampleId :

SSTDICC050

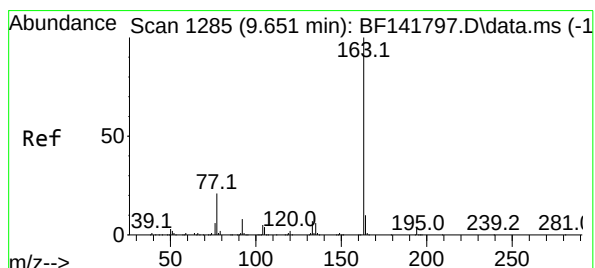
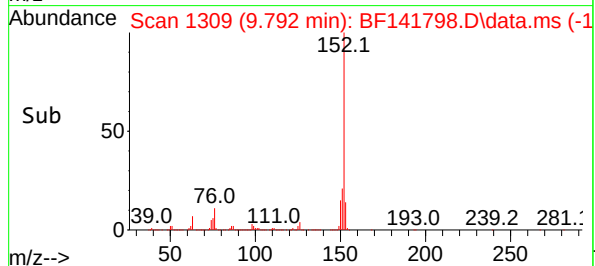
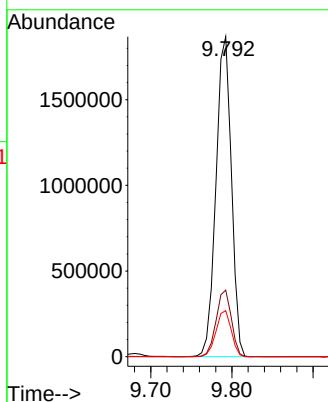
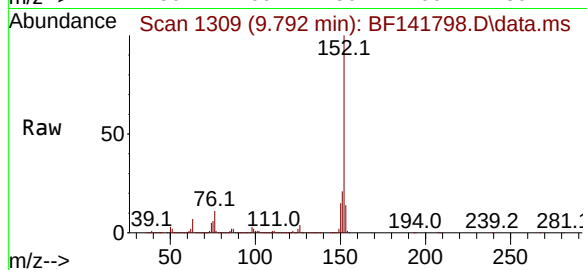
Tgt Ion:152 Resp: 2466104

Ion Ratio Lower Upper

152 100

151 20.8 16.6 24.8

153 14.4 11.2 16.8



#50

Dimethylphthalate

Concen: 47.103 ng

RT: 9.651 min Scan# 1285

Delta R.T. -0.000 min

Lab File: BF141798.D

Acq: 27 Feb 2025 17:46

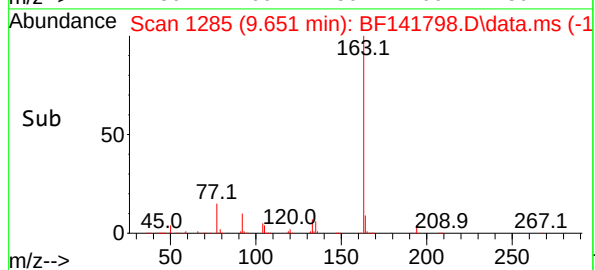
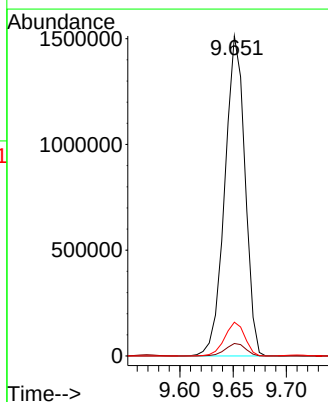
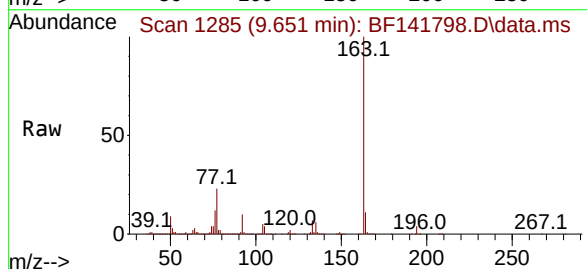
Tgt Ion:163 Resp: 1994958

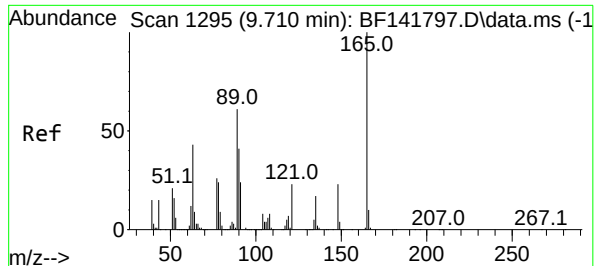
Ion Ratio Lower Upper

163 100

194 3.9 3.1 4.7

164 10.5 8.4 12.6

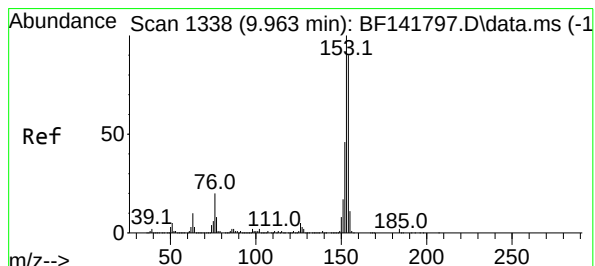
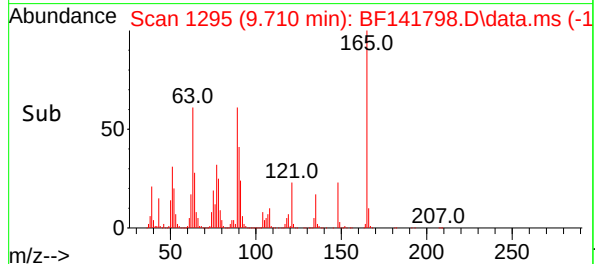
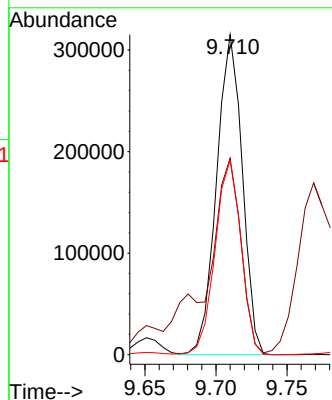
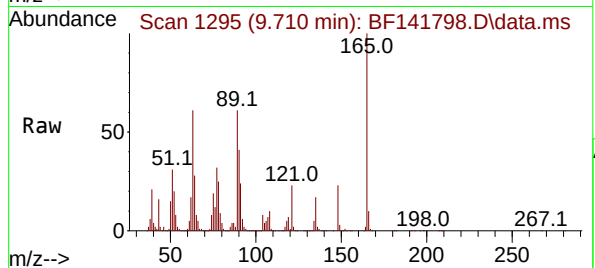




#51  
2,6-Dinitrotoluene  
Concen: 48.926 ng  
RT: 9.710 min Scan# 1295  
Delta R.T. -0.000 min  
Lab File: BF141798.D  
Acq: 27 Feb 2025 17:46

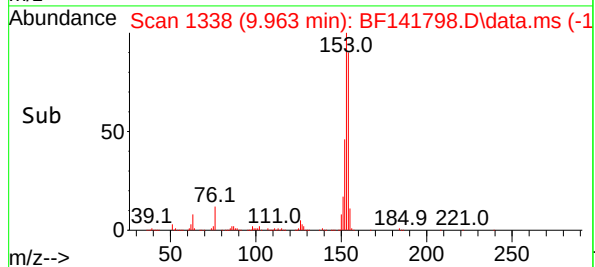
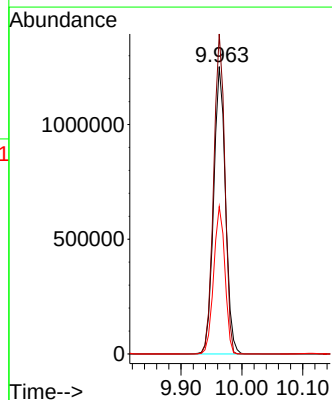
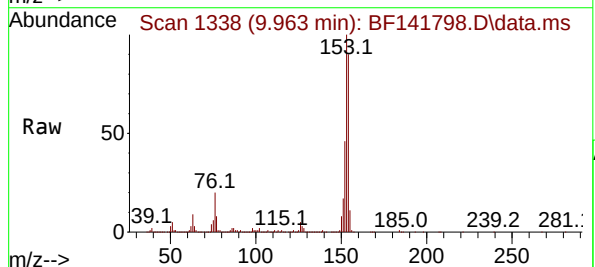
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC050

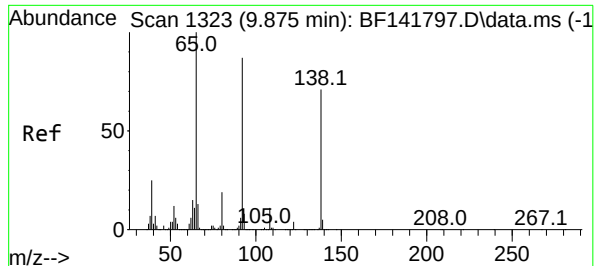
Tgt Ion:165 Resp: 396873  
Ion Ratio Lower Upper  
165 100  
63 61.4 49.5 74.3  
89 60.8 49.0 73.4



#52  
Acenaphthene  
Concen: 46.994 ng  
RT: 9.963 min Scan# 1338  
Delta R.T. -0.000 min  
Lab File: BF141798.D  
Acq: 27 Feb 2025 17:46

Tgt Ion:154 Resp: 1689163  
Ion Ratio Lower Upper  
154 100  
153 111.4 88.7 133.1  
152 51.3 40.9 61.3

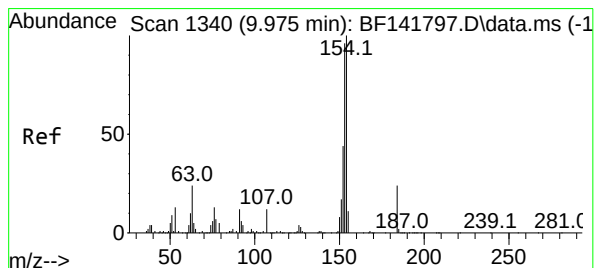
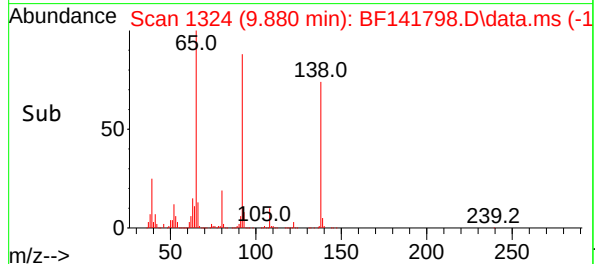
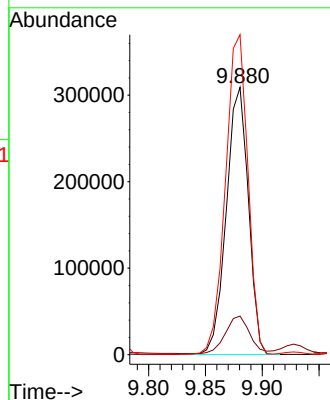
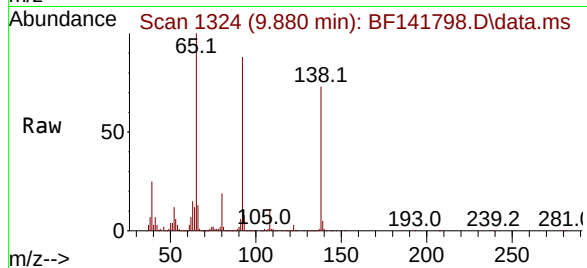




#53  
3-Nitroaniline  
Concen: 48.300 ng  
RT: 9.880 min Scan# 1324  
Delta R.T. 0.005 min  
Lab File: BF141798.D  
Acq: 27 Feb 2025 17:46

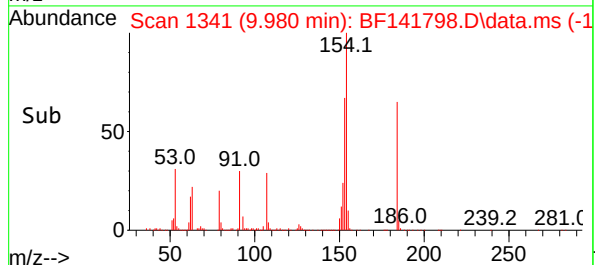
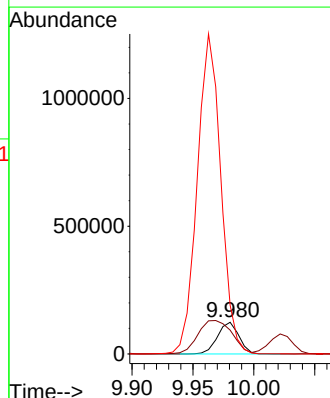
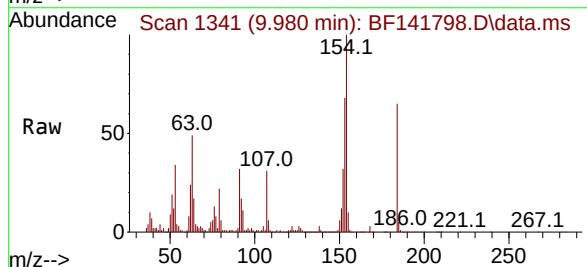
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC050

Tgt Ion:138 Resp: 417015  
Ion Ratio Lower Upper  
138 100  
108 14.5 12.7 19.1  
92 119.7 97.9 146.9

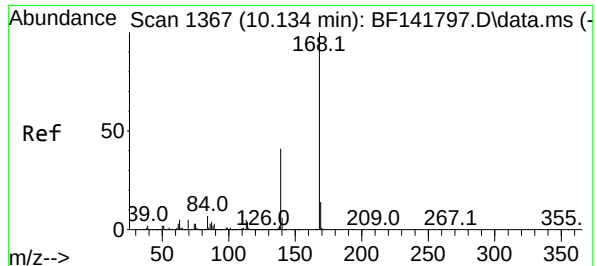


#54  
2,4-Dinitrophenol  
Concen: 48.388 ng  
RT: 9.980 min Scan# 1341  
Delta R.T. 0.005 min  
Lab File: BF141798.D  
Acq: 27 Feb 2025 17:46

Tgt Ion:184 Resp: 151706  
Ion Ratio Lower Upper  
184 100  
63 75.3 79.0 118.6#  
154 154.1 335.8 503.8#



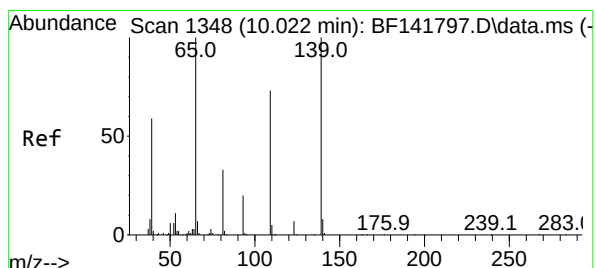
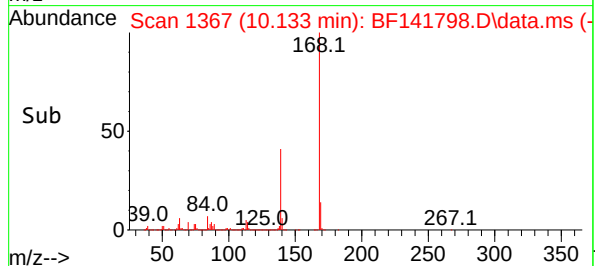
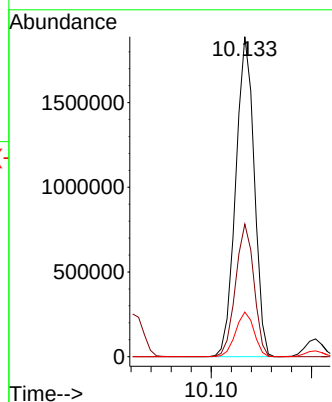
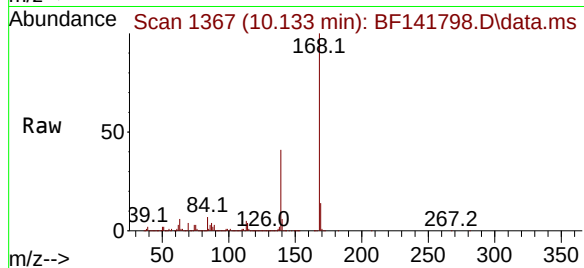




#55  
Dibenzenofuran  
Concen: 46.312 ng  
RT: 10.133 min Scan# 1367  
Delta R.T. -0.000 min  
Lab File: BF141798.D  
Acq: 27 Feb 2025 17:46

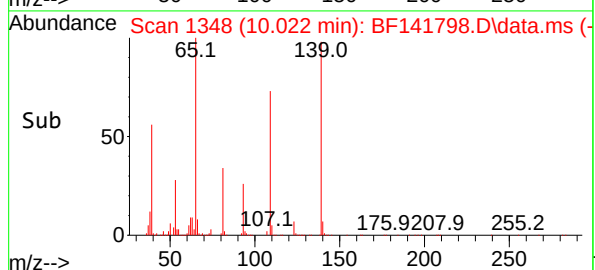
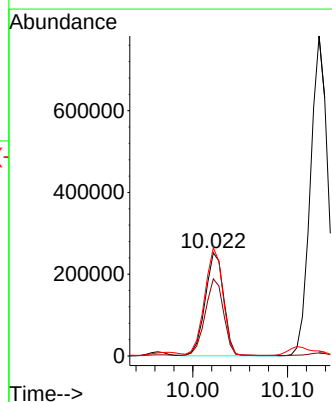
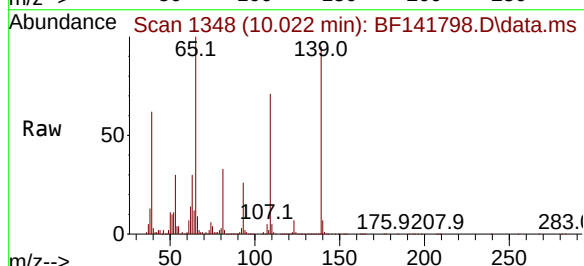
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC050

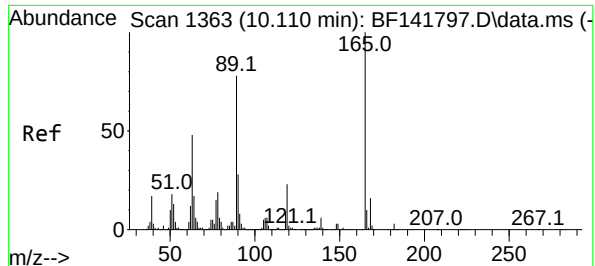
Tgt Ion:168 Resp: 2422882  
Ion Ratio Lower Upper  
168 100  
139 41.4 32.9 49.3  
169 14.0 11.1 16.7



#56  
4-Nitrophenol  
Concen: 54.357 ng  
RT: 10.022 min Scan# 1348  
Delta R.T. -0.000 min  
Lab File: BF141798.D  
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Tgt Ion:139 Resp: 340020  
Ion Ratio Lower Upper  
139 100  
109 74.7 53.4 93.4  
65 104.9 82.1 122.1

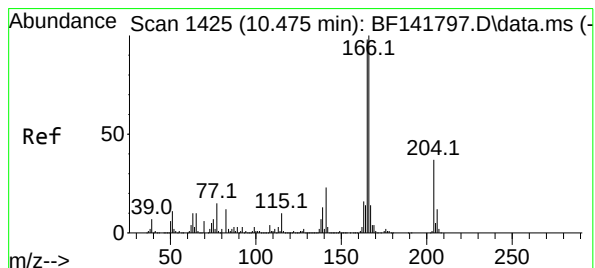
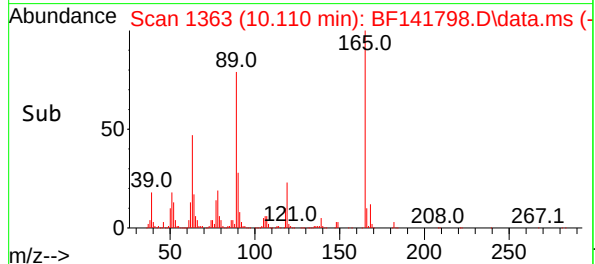
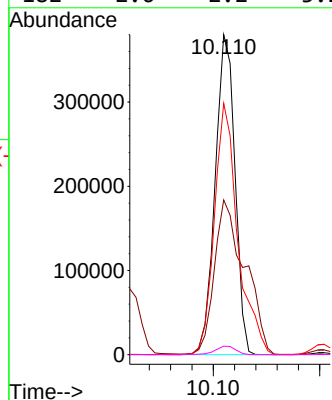
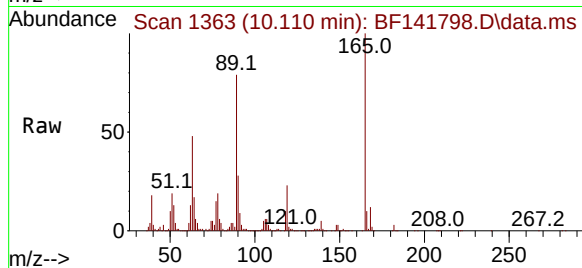




#57  
2,4-Dinitrotoluene  
Concen: 49.405 ng  
RT: 10.110 min Scan# 1363  
Delta R.T. -0.000 min  
Lab File: BF141798.D  
Acq: 27 Feb 2025 17:46

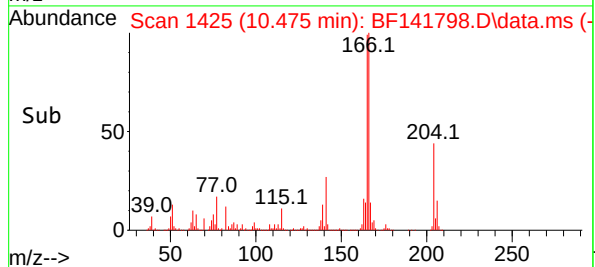
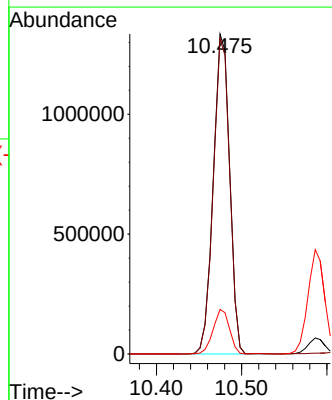
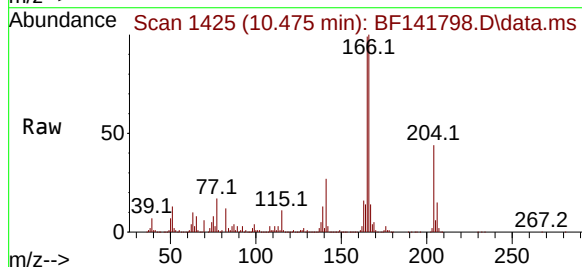
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC050

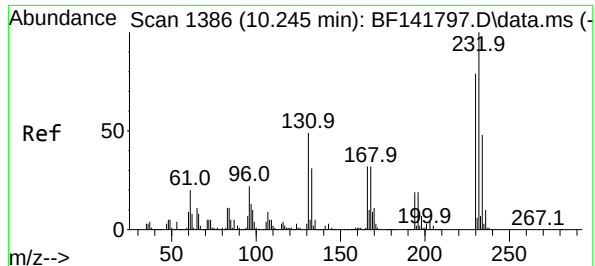
Tgt Ion:165 Resp: 490028  
Ion Ratio Lower Upper  
165 100  
63 48.4 38.8 58.2  
89 78.6 62.6 94.0  
182 2.6 2.2 3.2



#58  
Fluorene  
Concen: 45.518 ng  
RT: 10.475 min Scan# 1425  
Delta R.T. -0.000 min  
Lab File: BF141798.D  
Acq: 27 Feb 2025 17:46

Tgt Ion:166 Resp: 1783757  
Ion Ratio Lower Upper  
166 100  
165 98.5 78.6 117.8  
167 13.9 11.0 16.4

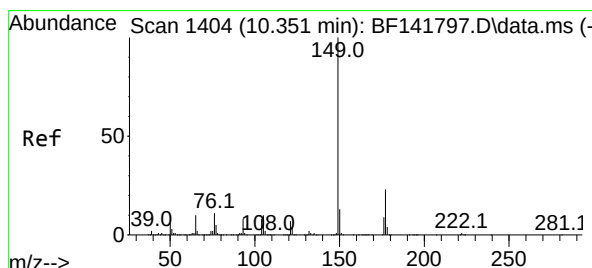
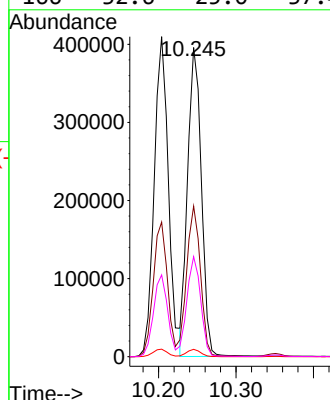
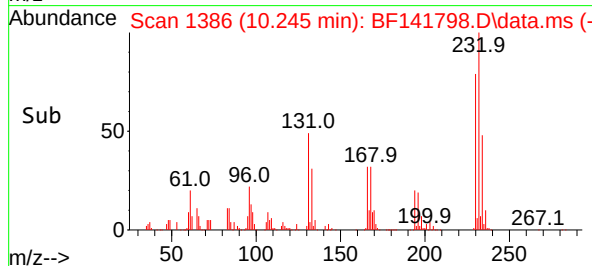
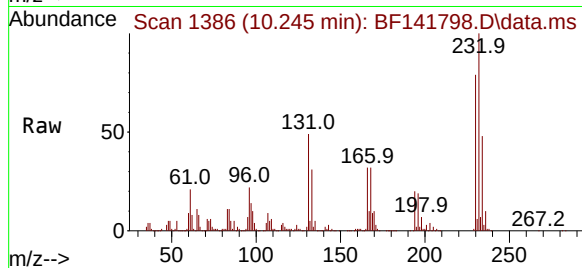




#59  
2,3,4,6-Tetrachlorophenol  
Concen: 48.140 ng  
RT: 10.245 min Scan# 1386  
Delta R.T. -0.000 min  
Lab File: BF141798.D  
Acq: 27 Feb 2025 17:46

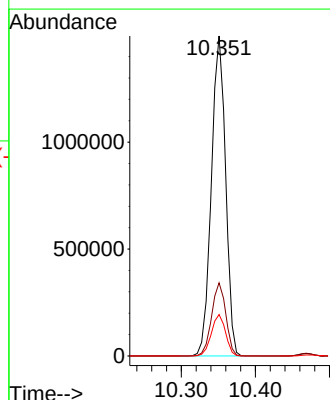
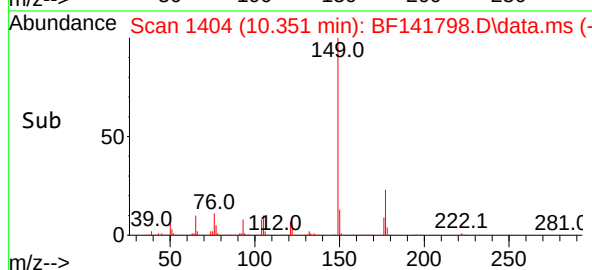
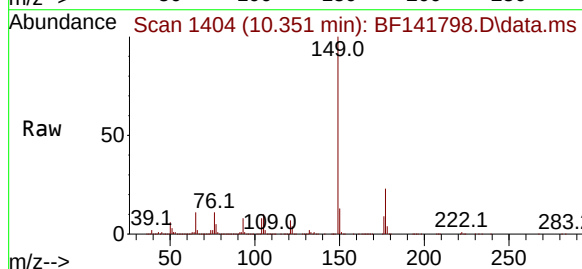
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC050

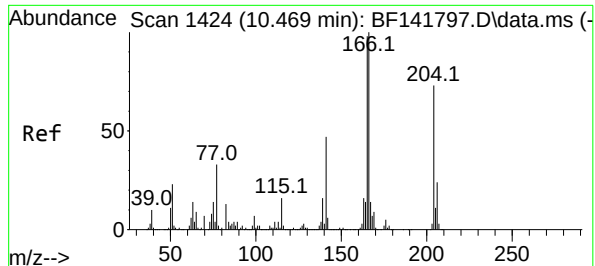
Tgt Ion:232 Resp: 489160  
Ion Ratio Lower Upper  
232 100  
131 49.4 37.8 56.8  
130 2.4 2.0 3.0  
166 32.6 25.0 37.4



#60  
Diethylphthalate  
Concen: 46.896 ng  
RT: 10.351 min Scan# 1404  
Delta R.T. -0.000 min  
Lab File: BF141798.D  
Acq: 27 Feb 2025 17:46

Tgt Ion:149 Resp: 1991111  
Ion Ratio Lower Upper  
149 100  
177 22.9 18.3 27.5  
150 12.9 10.3 15.5

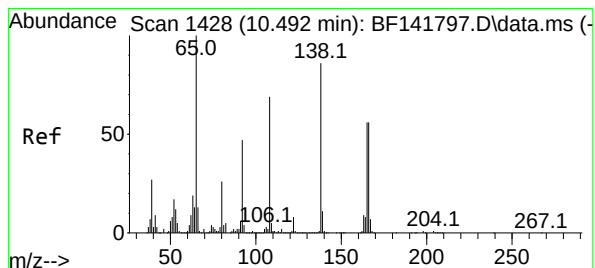
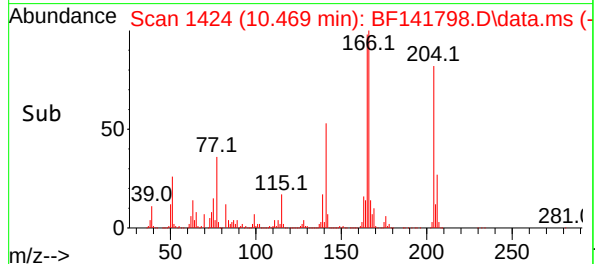
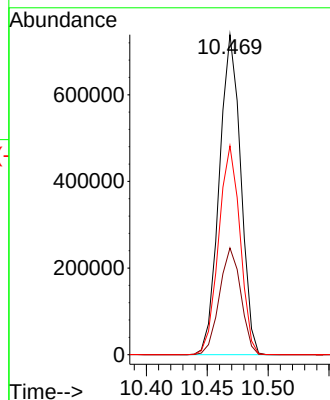
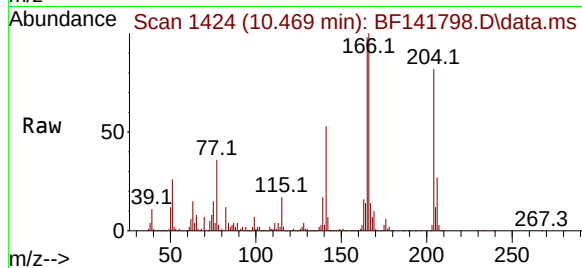




#61  
4-Chlorophenyl-phenylether  
Concen: 46.084 ng  
RT: 10.469 min Scan# 1424  
Delta R.T. -0.000 min  
Lab File: BF141798.D  
Acq: 27 Feb 2025 17:46

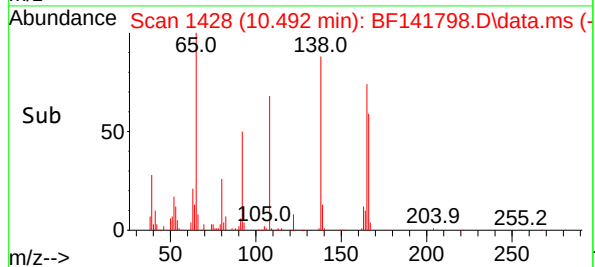
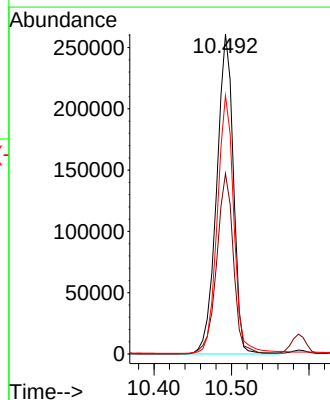
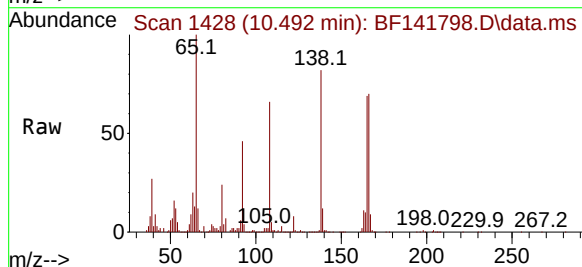
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC050

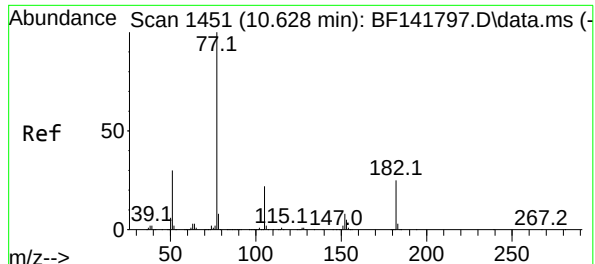
Tgt Ion:204 Resp: 904835  
Ion Ratio Lower Upper  
204 100  
206 33.4 26.2 39.4  
141 65.3 51.7 77.5



#62  
4-Nitroaniline  
Concen: 54.114 ng  
RT: 10.492 min Scan# 1428  
Delta R.T. -0.000 min  
Lab File: BF141798.D  
Acq: 27 Feb 2025 17:46

Tgt Ion:138 Resp: 391399  
Ion Ratio Lower Upper  
138 100  
92 56.4 34.9 74.9  
108 80.7 59.6 99.6

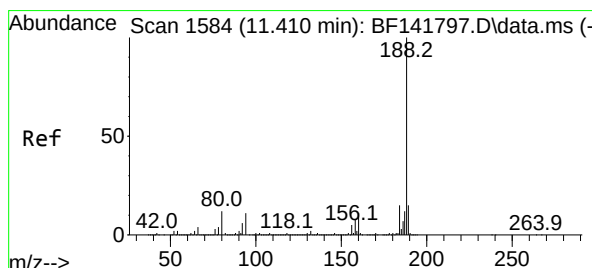
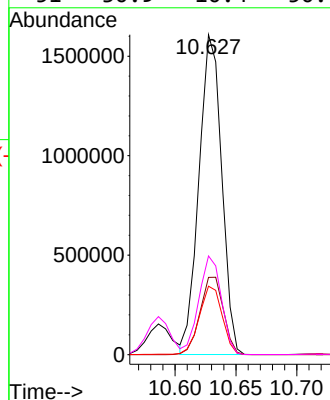
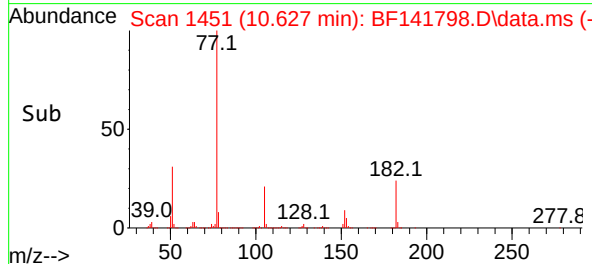
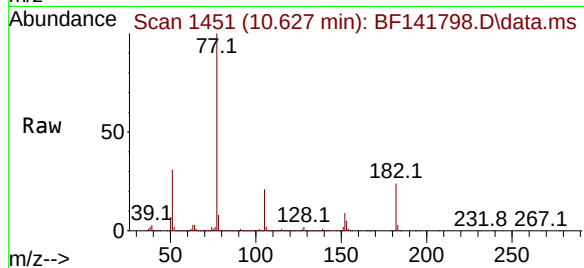




#63  
Azobenzene  
Concen: 46.687 ng  
RT: 10.627 min Scan# 1451  
Delta R.T. -0.000 min  
Lab File: BF141798.D  
Acq: 27 Feb 2025 17:46

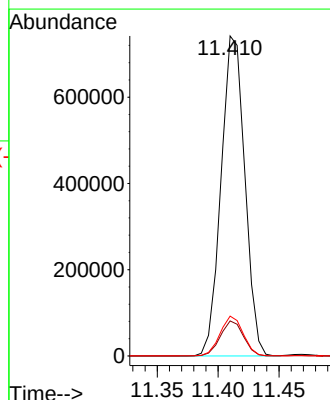
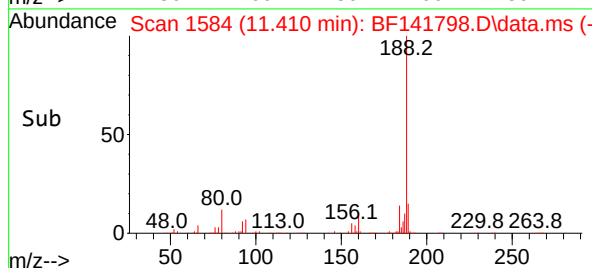
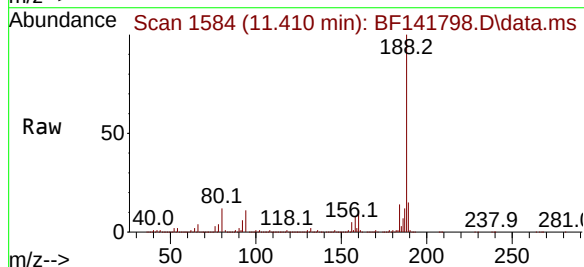
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC050

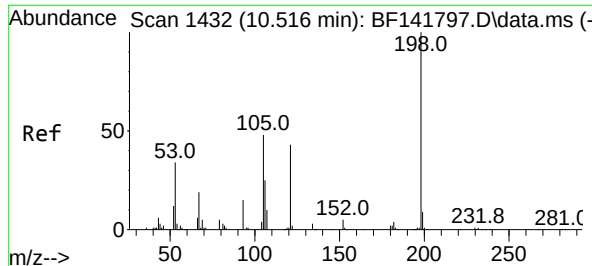
Tgt Ion: 77 Resp: 2087153  
Ion Ratio Lower Upper  
77 100  
182 24.2 4.2 44.2  
105 21.4 1.5 41.5  
51 30.9 10.4 50.4



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.410 min Scan# 1584  
Delta R.T. -0.000 min  
Lab File: BF141798.D  
Acq: 27 Feb 2025 17:46

Tgt Ion: 188 Resp: 1007266  
Ion Ratio Lower Upper  
188 100  
94 10.9 8.9 13.3  
80 12.5 9.7 14.5

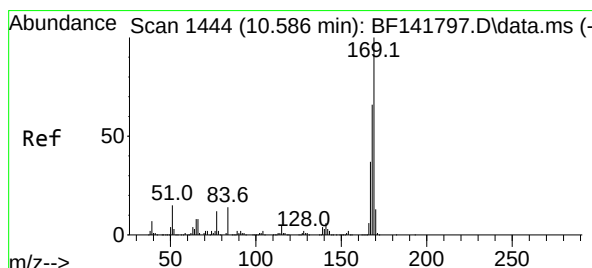
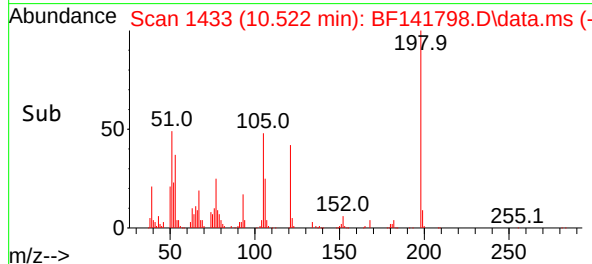
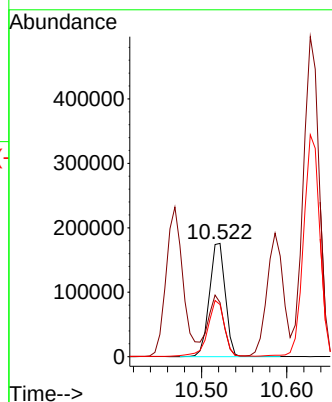
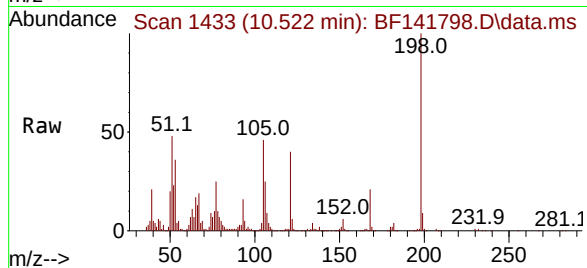




#65  
4,6-Dinitro-2-methylphenol  
Concen: 47.968 ng  
RT: 10.522 min Scan# 1433  
Delta R.T. 0.006 min  
Lab File: BF141798.D  
Acq: 27 Feb 2025 17:46

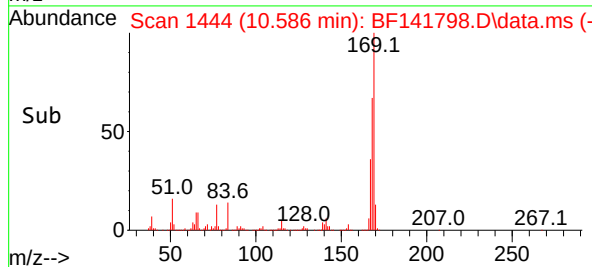
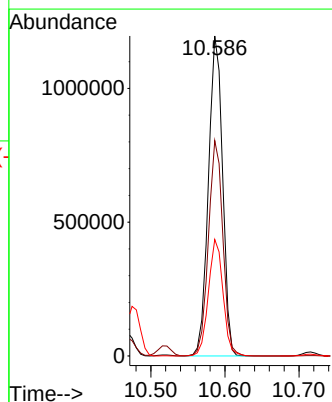
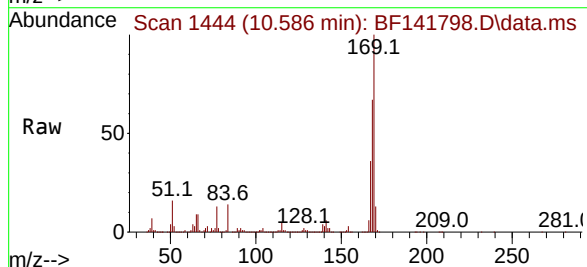
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC050

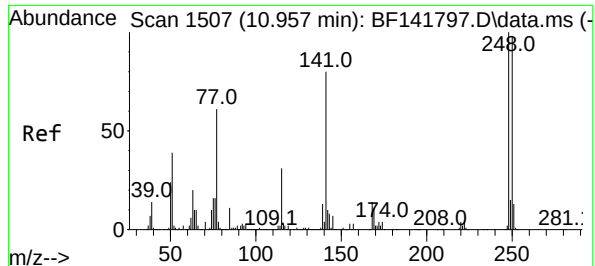
Tgt Ion:198 Resp: 227493  
Ion Ratio Lower Upper  
198 100  
51 47.7 32.1 72.1  
105 46.1 28.5 68.5



#66  
n-Nitrosodiphenylamine  
Concen: 48.041 ng  
RT: 10.586 min Scan# 1444  
Delta R.T. -0.000 min  
Lab File: BF141798.D  
Acq: 27 Feb 2025 17:46

Tgt Ion:169 Resp: 1588976  
Ion Ratio Lower Upper  
169 100  
168 67.3 53.0 79.6  
167 36.4 29.3 43.9

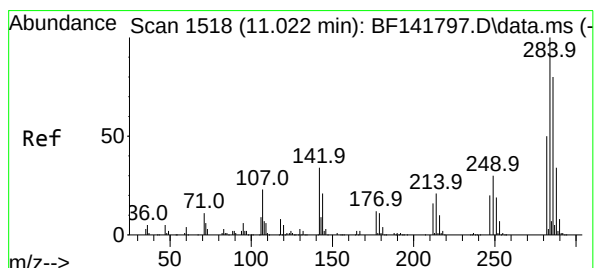
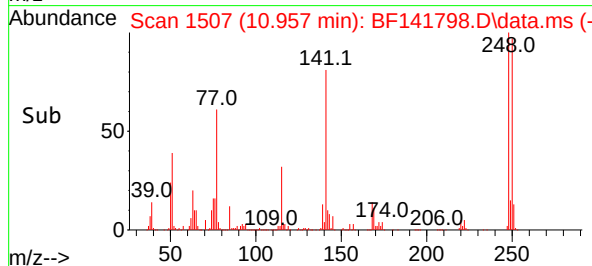
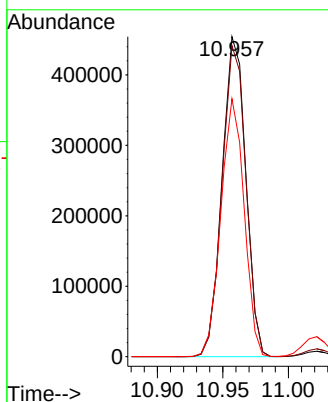
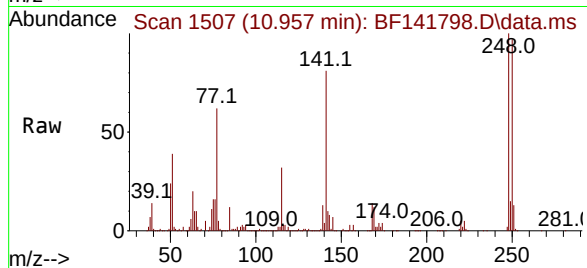




#67  
4-Bromophenyl-phenylether  
Concen: 48.631 ng  
RT: 10.957 min Scan# 1507  
Delta R.T. -0.000 min  
Lab File: BF141798.D  
Acq: 27 Feb 2025 17:46

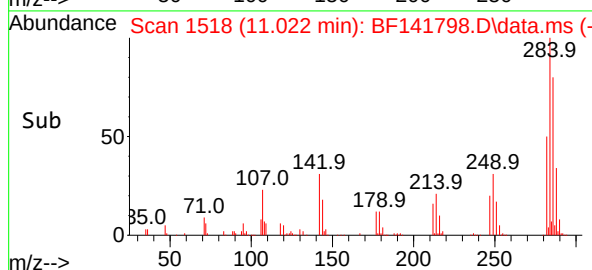
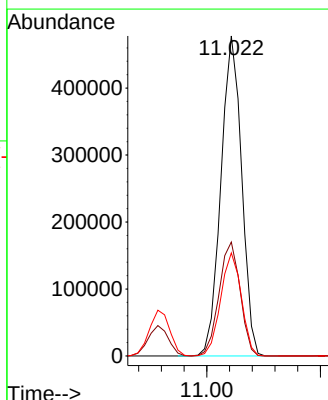
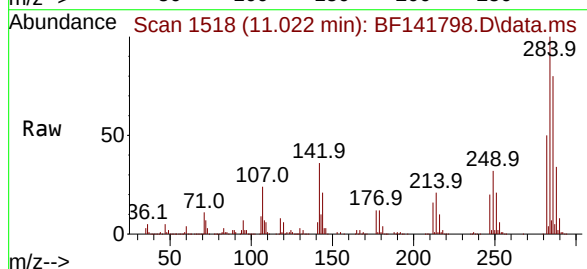
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDIC050

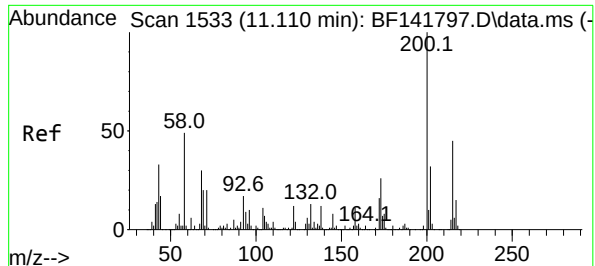
Tgt Ion:248 Resp: 572161  
Ion Ratio Lower Upper  
248 100  
250 97.2 78.1 117.1  
141 80.6 64.3 96.5



#68  
Hexachlorobenzene  
Concen: 48.705 ng  
RT: 11.022 min Scan# 1518  
Delta R.T. -0.000 min  
Lab File: BF141798.D  
Acq: 27 Feb 2025 17:46

Tgt Ion:284 Resp: 605103  
Ion Ratio Lower Upper  
284 100  
142 35.6 28.2 42.2  
249 32.2 25.5 38.3





#69

Atrazine

Concen: 41.179 ng

RT: 11.110 min Scan# 1533

Delta R.T. -0.000 min

Lab File: BF141798.D

Acq: 27 Feb 2025 17:46

Instrument :

BNA\_F

ClientSampleId :

SSTDICC050

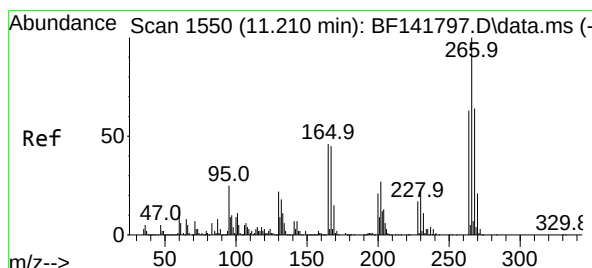
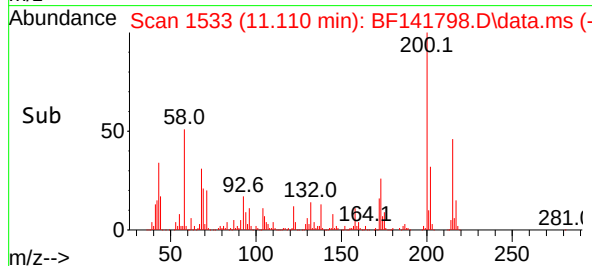
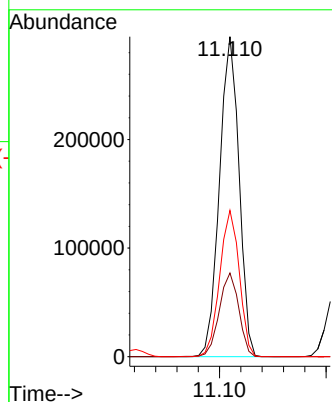
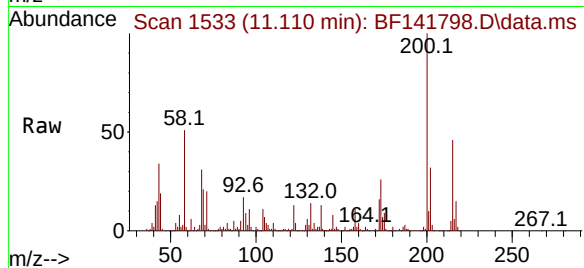
Tgt Ion:200 Resp: 374540

Ion Ratio Lower Upper

200 100

173 26.2 5.6 45.6

215 45.7 25.3 65.3



#70

Pentachlorophenol

Concen: 50.809 ng

RT: 11.210 min Scan# 1550

Delta R.T. -0.000 min

Lab File: BF141798.D

Acq: 27 Feb 2025 17:46

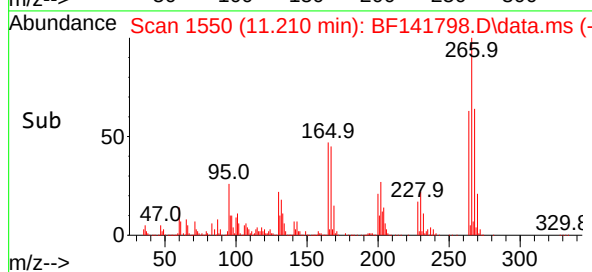
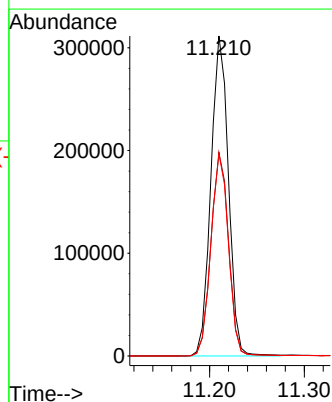
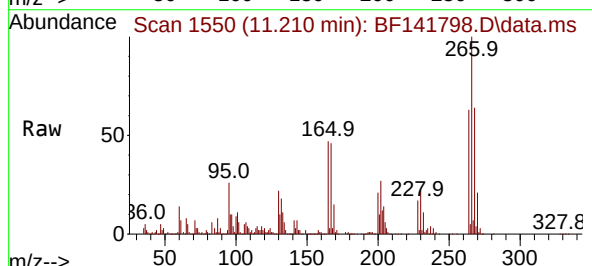
Tgt Ion:266 Resp: 400352

Ion Ratio Lower Upper

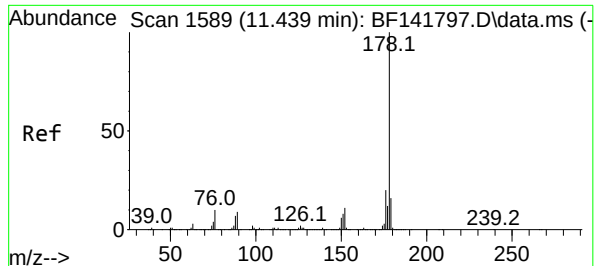
266 100

268 63.6 50.9 76.3

264 63.2 50.2 75.4



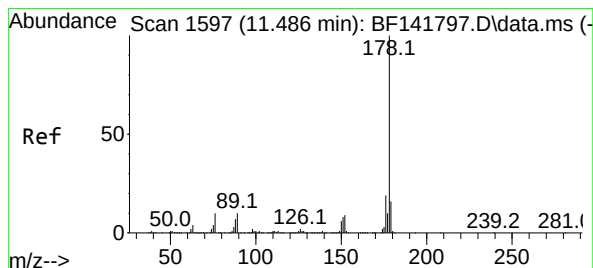
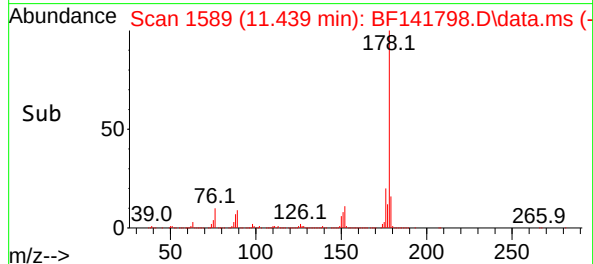
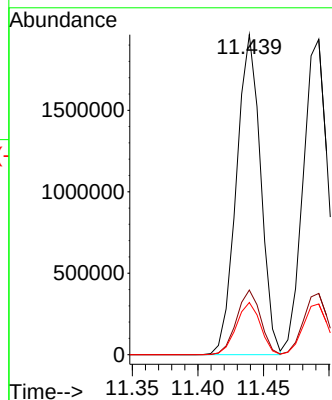
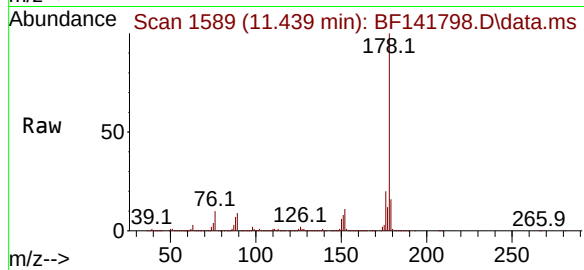




#71  
Phenanthrene  
Concen: 46.806 ng  
RT: 11.439 min Scan# 1589  
Delta R.T. -0.000 min  
Lab File: BF141798.D  
Acq: 27 Feb 2025 17:46

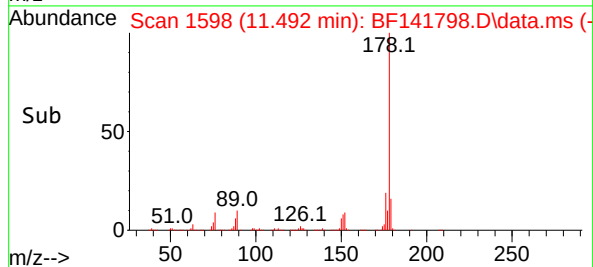
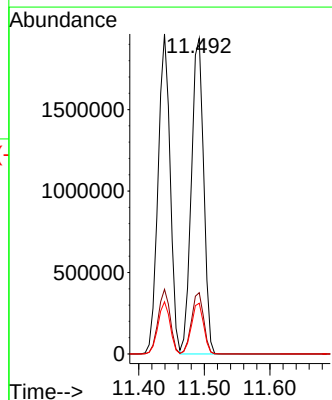
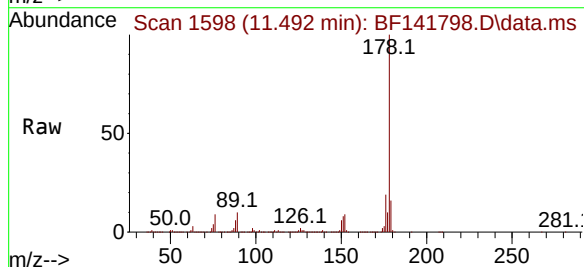
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC050

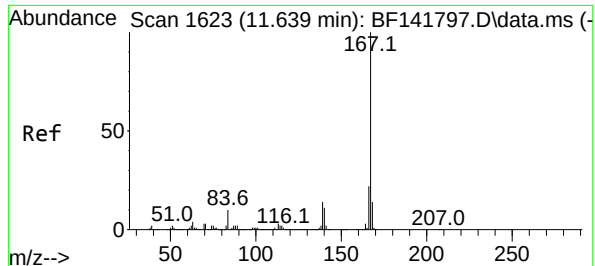
Tgt Ion:178 Resp: 2521849  
Ion Ratio Lower Upper  
178 100  
176 20.2 16.0 24.0  
179 16.3 12.6 19.0



#72  
Anthracene  
Concen: 46.707 ng  
RT: 11.492 min Scan# 1598  
Delta R.T. 0.006 min  
Lab File: BF141798.D  
Acq: 27 Feb 2025 17:46

Tgt Ion:178 Resp: 2522132  
Ion Ratio Lower Upper  
178 100  
176 19.4 15.4 23.0  
179 16.1 12.8 19.2

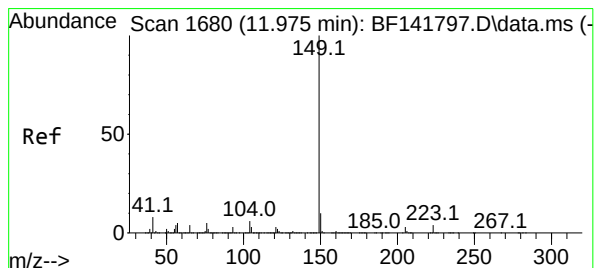
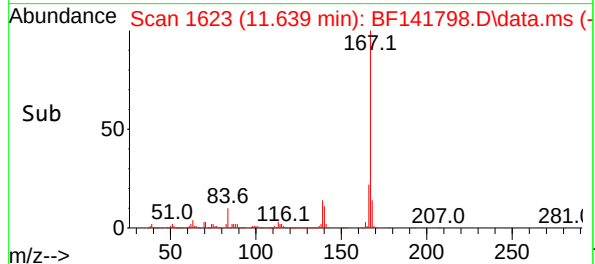
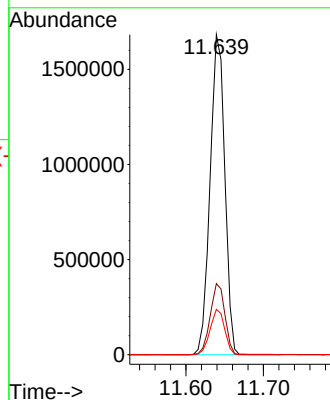
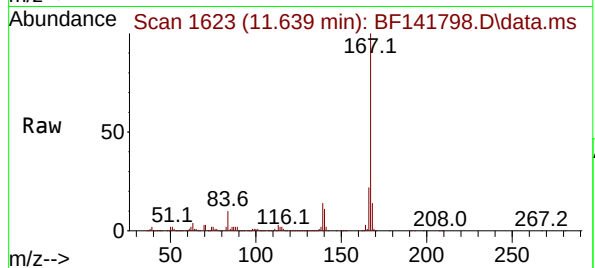




#73  
Carbazole  
Concen: 46.572 ng  
RT: 11.639 min Scan# 1623  
Delta R.T. -0.000 min  
Lab File: BF141798.D  
Acq: 27 Feb 2025 17:46

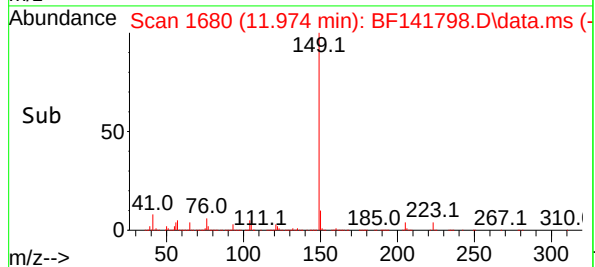
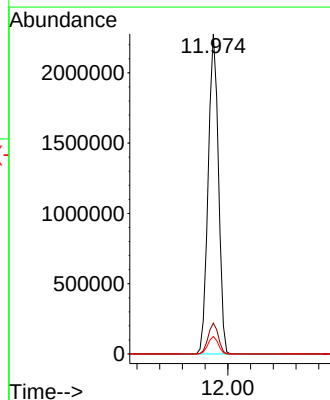
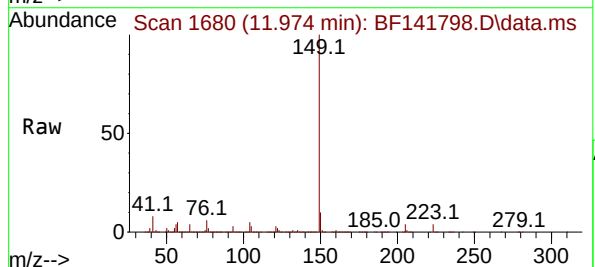
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC050

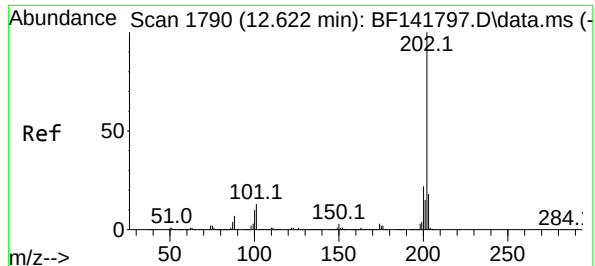
Tgt Ion:167 Resp: 2220778  
Ion Ratio Lower Upper  
167 100  
166 22.2 17.5 26.3  
139 14.2 11.3 16.9



#74  
Di-n-butylphthalate  
Concen: 46.982 ng  
RT: 11.974 min Scan# 1680  
Delta R.T. -0.000 min  
Lab File: BF141798.D  
Acq: 27 Feb 2025 17:46

Tgt Ion:149 Resp: 2839813  
Ion Ratio Lower Upper  
149 100  
150 9.6 7.7 11.5  
104 5.5 4.4 6.6

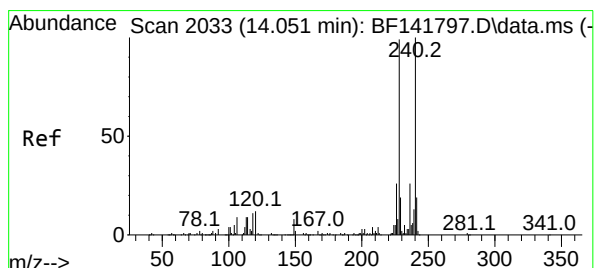
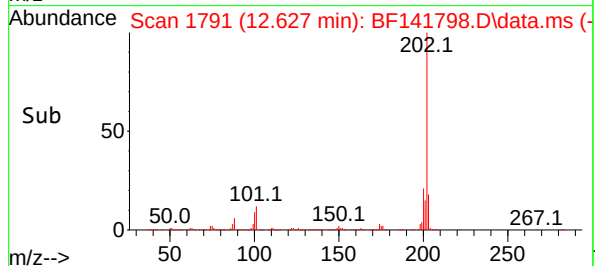
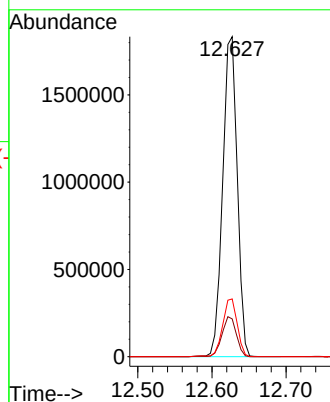
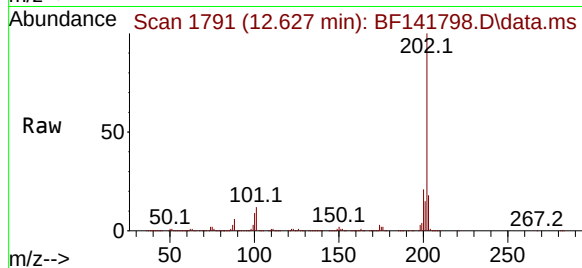




#75  
Fluoranthene  
Concen: 45.269 ng  
RT: 12.627 min Scan# 1790  
Delta R.T. 0.006 min  
Lab File: BF141798.D  
Acq: 27 Feb 2025 17:46

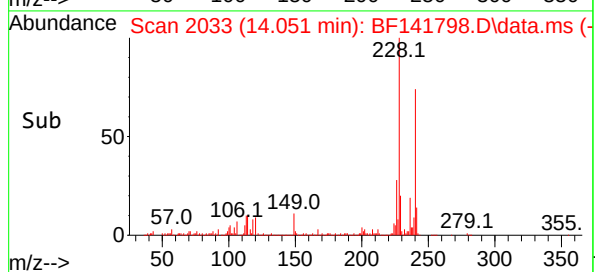
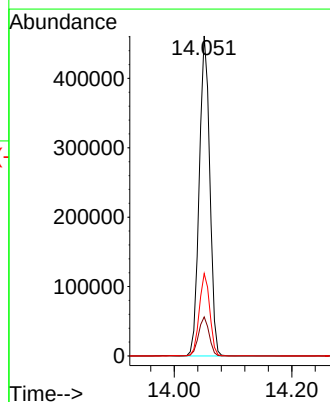
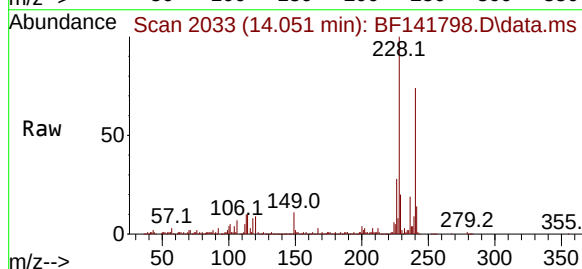
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC050

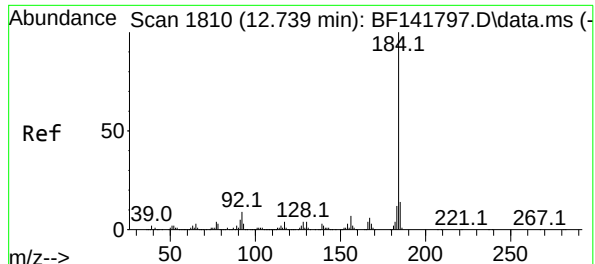
Tgt Ion:202 Resp: 2499217  
Ion Ratio Lower Upper  
202 100  
101 11.8 0.0 32.8  
203 18.0 0.0 38.0



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.051 min Scan# 2033  
Delta R.T. -0.000 min  
Lab File: BF141798.D  
Acq: 27 Feb 2025 17:46

Tgt Ion:240 Resp: 571903  
Ion Ratio Lower Upper  
240 100  
120 12.2 9.7 14.5  
236 25.8 21.0 31.4





#77

Benzidine

Concen: 42.453 ng

RT: 12.739 min Scan# 1810

Delta R.T. 0.000 min

Lab File: BF141798.D

Acq: 27 Feb 2025 17:46

Instrument :

BNA\_F

ClientSampleId :

SSTDICC050

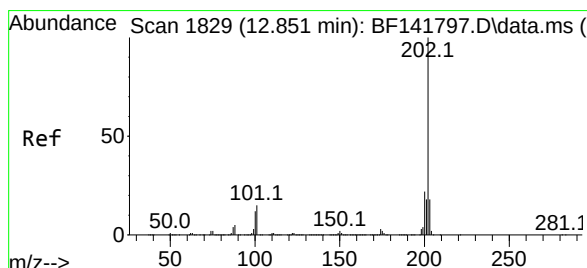
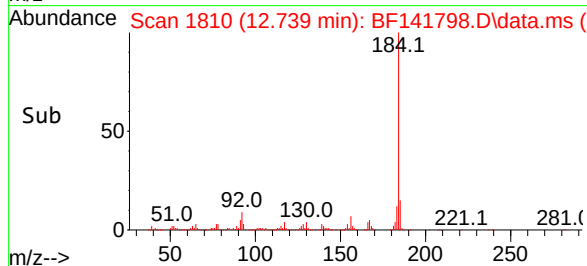
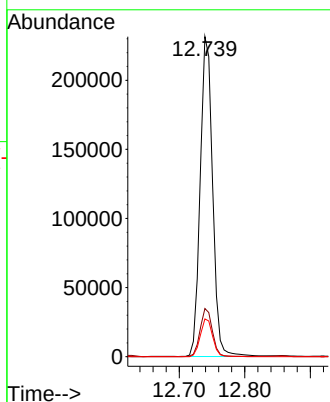
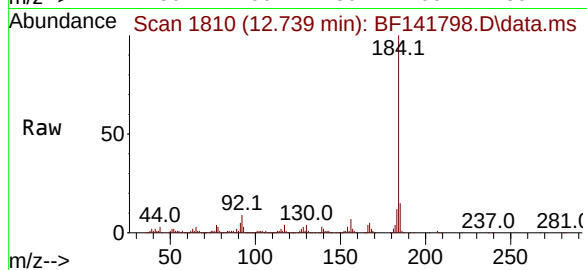
Tgt Ion:184 Resp: 305582

Ion Ratio Lower Upper

184 100

185 15.0 11.6 17.4

183 11.8 9.4 14.0



#78

Pyrene

Concen: 50.178 ng

RT: 12.857 min Scan# 1830

Delta R.T. 0.006 min

Lab File: BF141798.D

Acq: 27 Feb 2025 17:46

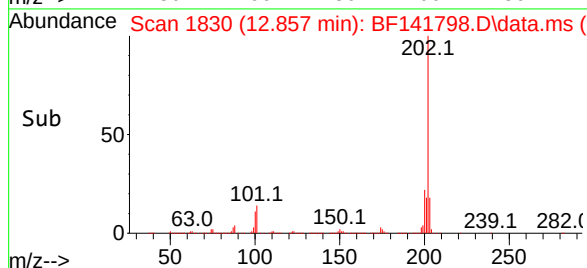
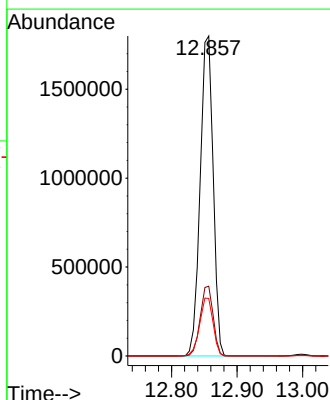
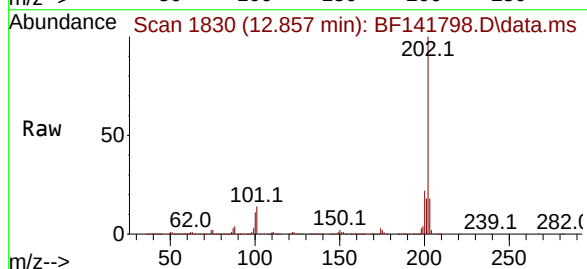
Tgt Ion:202 Resp: 2484995

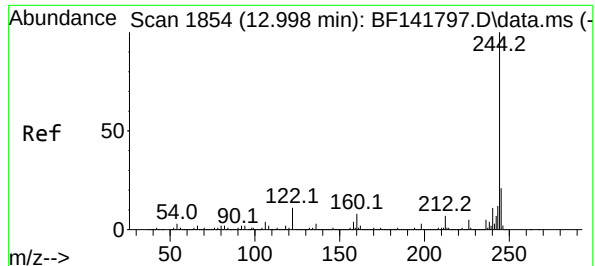
Ion Ratio Lower Upper

202 100

200 21.8 17.4 26.0

203 18.0 14.6 22.0

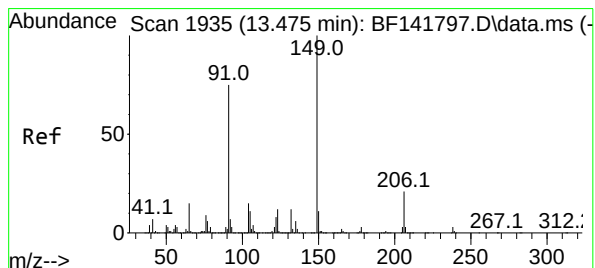
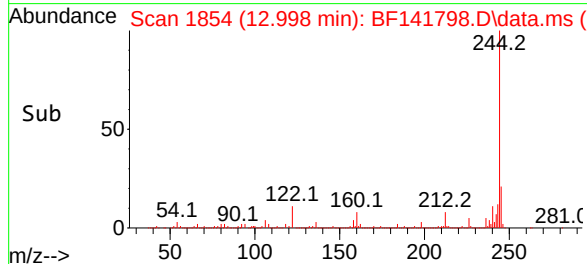
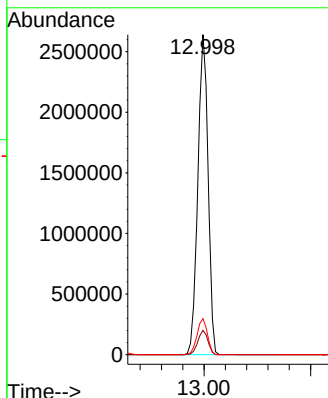
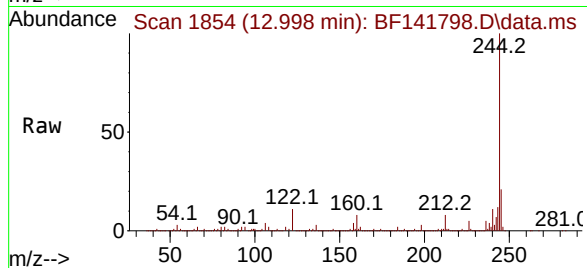




#79  
Terphenyl-d14  
Concen: 99.483 ng  
RT: 12.998 min Scan# 1854  
Delta R.T. -0.000 min  
Lab File: BF141798.D  
Acq: 27 Feb 2025 17:46

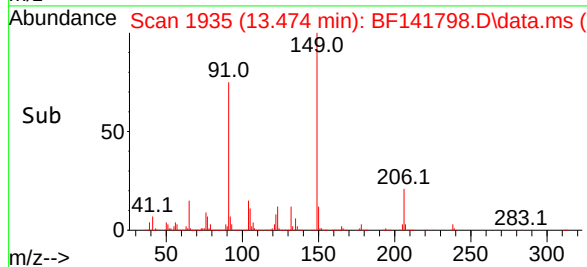
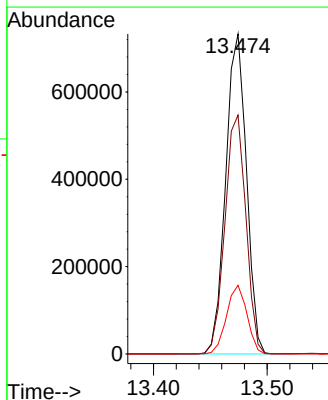
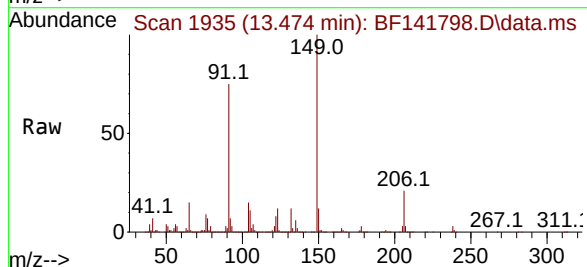
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC050

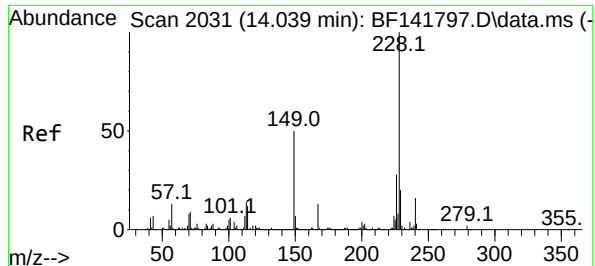
Tgt Ion:244 Resp: 3516535  
Ion Ratio Lower Upper  
244 100  
212 7.6 6.0 9.0  
122 11.3 9.0 13.6



#80  
Butylbenzylphthalate  
Concen: 51.657 ng  
RT: 13.474 min Scan# 1935  
Delta R.T. -0.000 min  
Lab File: BF141798.D  
Acq: 27 Feb 2025 17:46

Tgt Ion:149 Resp: 929464  
Ion Ratio Lower Upper  
149 100  
91 74.7 60.1 90.1  
206 21.4 16.8 25.2





#81

Benzo(a)anthracene

Concen: 47.067 ng

RT: 14.039 min Scan# 2031

Delta R.T. -0.000 min

Lab File: BF141798.D

Acq: 27 Feb 2025 17:46

Instrument :

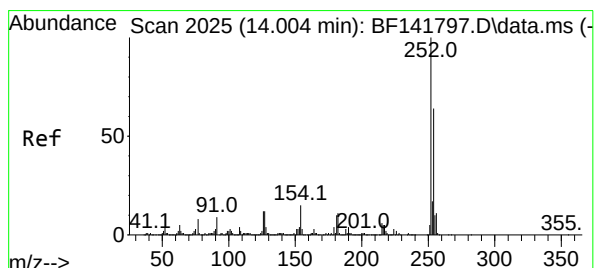
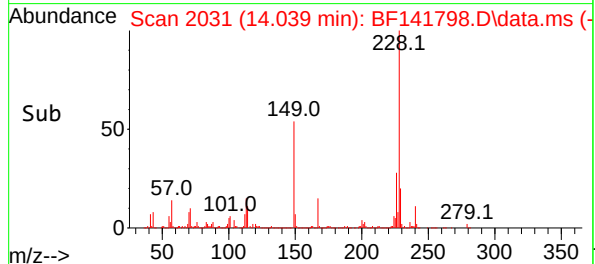
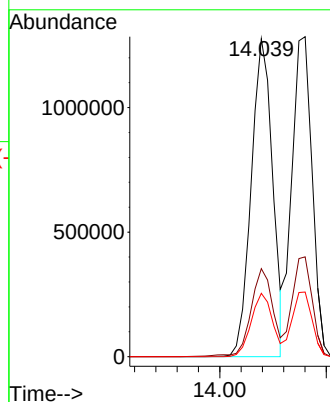
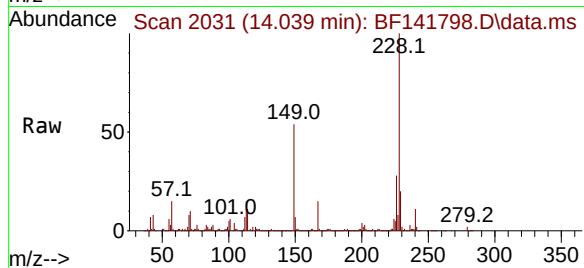
BNA\_F

ClientSampleId :

SSTDICC050

Tgt Ion:228 Resp: 1777948

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 226 | 27.7  | 22.1  | 33.1  |
| 229 | 19.9  | 16.1  | 24.1  |



#82

3,3'-Dichlorobenzidine

Concen: 48.021 ng

RT: 14.004 min Scan# 2025

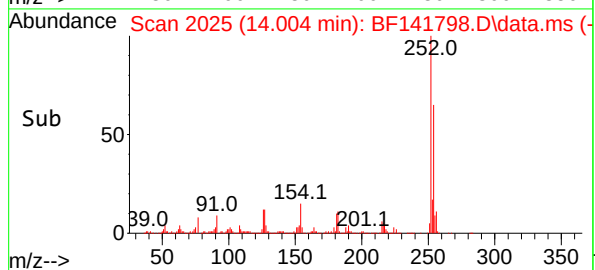
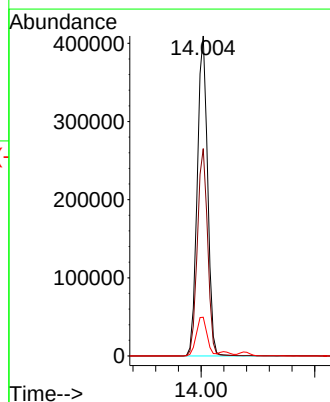
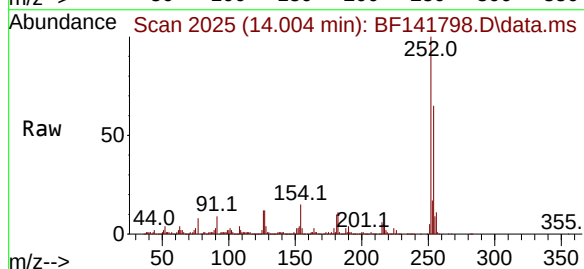
Delta R.T. -0.000 min

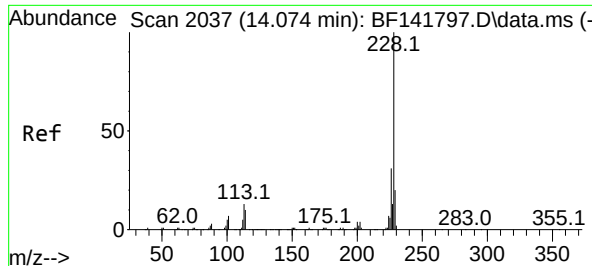
Lab File: BF141798.D

Acq: 27 Feb 2025 17:46

Tgt Ion:252 Resp: 520451

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 254 | 64.8  | 51.4  | 77.0  |
| 126 | 12.1  | 9.8   | 14.6  |

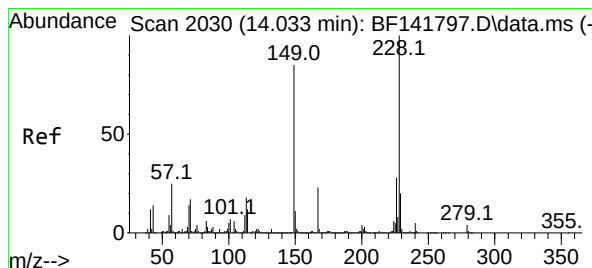
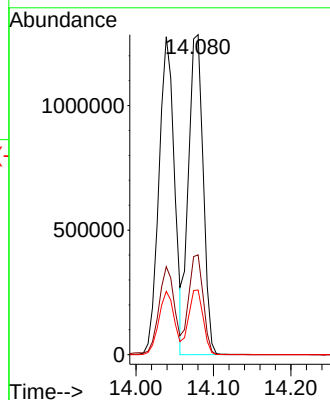
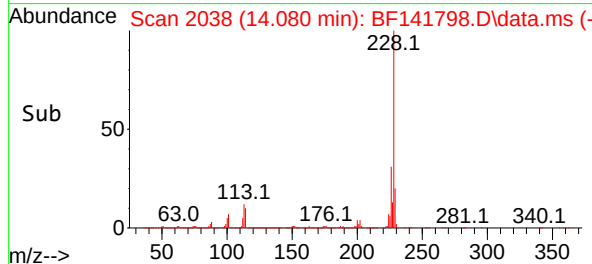
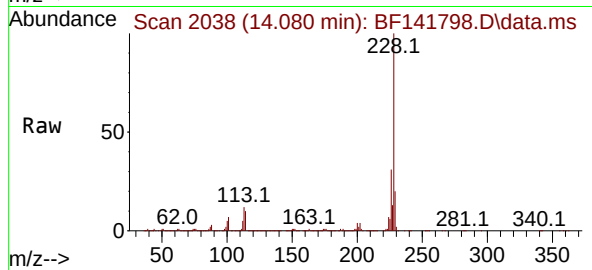




#83  
Chrysene  
Concen: 48.659 ng  
RT: 14.080 min Scan# 2038  
Delta R.T. 0.006 min  
Lab File: BF141798.D  
Acq: 27 Feb 2025 17:46

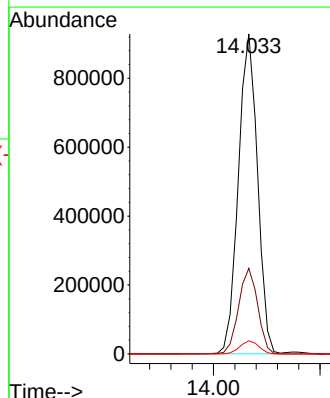
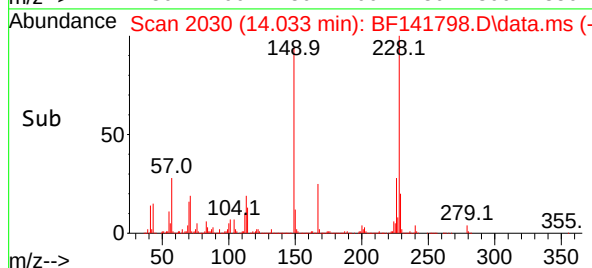
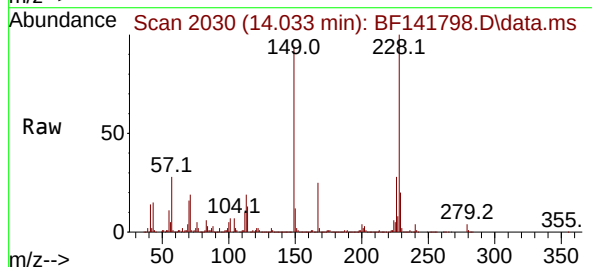
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC050

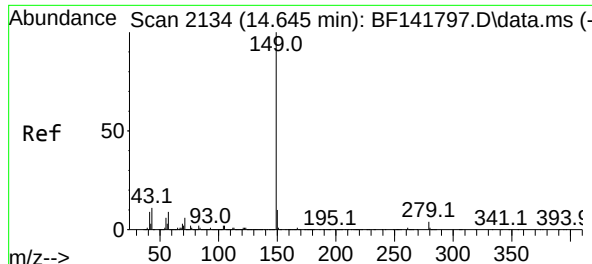
Tgt Ion:228 Resp: 1694396  
Ion Ratio Lower Upper  
228 100  
226 31.2 24.6 37.0  
229 20.2 16.1 24.1



#84  
Bis(2-ethylhexyl)phthalate  
Concen: 51.766 ng  
RT: 14.033 min Scan# 2030  
Delta R.T. -0.000 min  
Lab File: BF141798.D  
Acq: 27 Feb 2025 17:46

Tgt Ion:149 Resp: 1159761  
Ion Ratio Lower Upper  
149 100  
167 26.8 21.2 31.8  
279 4.1 3.3 4.9

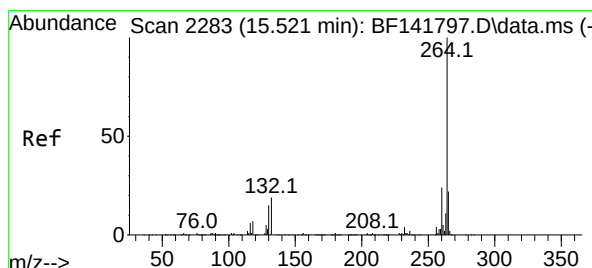
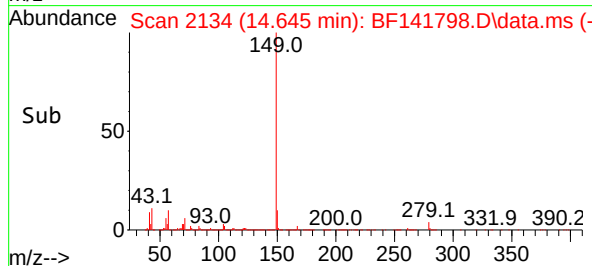
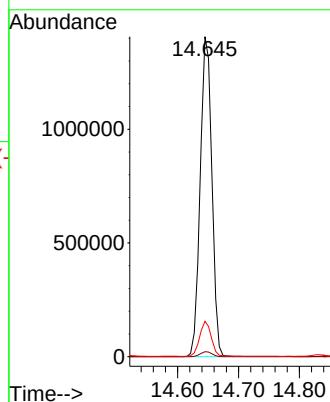
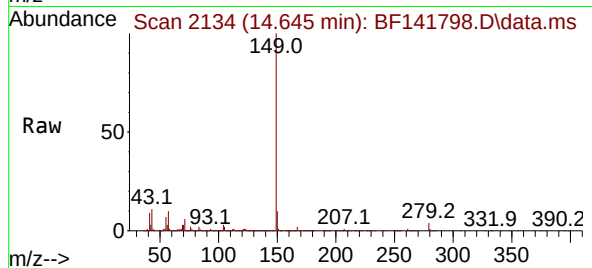




#85  
Di-n-octyl phthalate  
Concen: 55.606 ng  
RT: 14.645 min Scan# 2134  
Delta R.T. -0.000 min  
Lab File: BF141798.D  
Acq: 27 Feb 2025 17:46

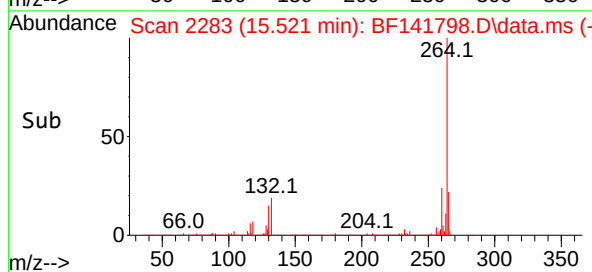
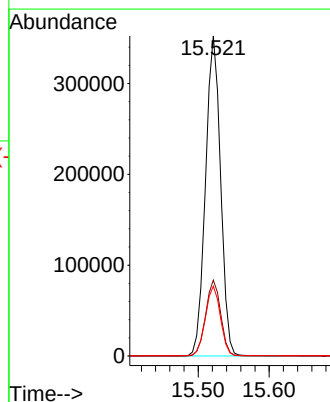
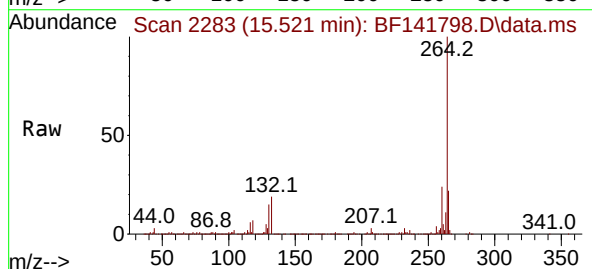
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC050

Tgt Ion:149 Resp: 1865081  
Ion Ratio Lower Upper  
149 100  
167 1.6 1.2 1.8  
43 10.8 8.6 12.8

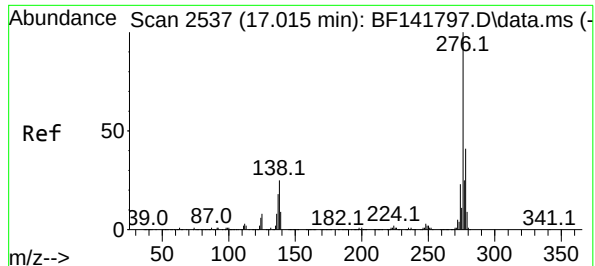


#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.521 min Scan# 2283  
Delta R.T. -0.000 min  
Lab File: BF141798.D  
Acq: 27 Feb 2025 17:46

Tgt Ion:264 Resp: 520644  
Ion Ratio Lower Upper  
264 100  
260 23.7 18.9 28.3  
265 21.8 17.4 26.0







#87

Indeno(1,2,3-cd)pyrene

Concen: 52.510 ng

RT: 17.015 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF141798.D

Acq: 27 Feb 2025 17:46

Instrument :

BNA\_F

ClientSampleId :

SSTDICC050

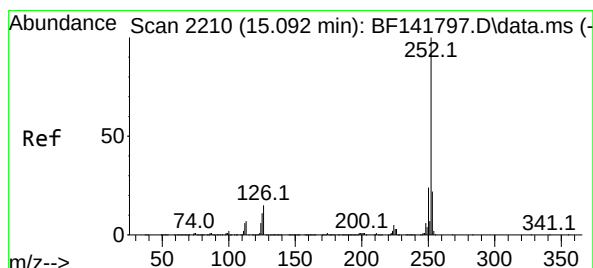
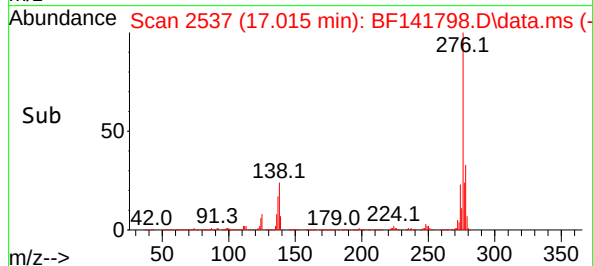
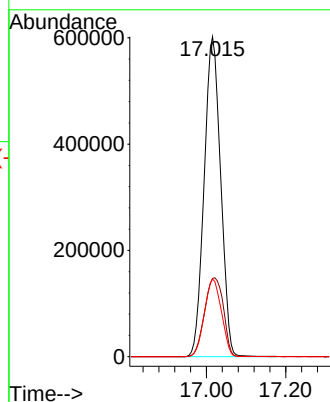
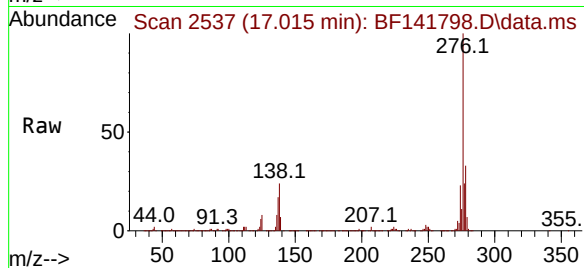
Tgt Ion:276 Resp: 1740850

Ion Ratio Lower Upper

276 100

138 28.1 22.5 33.7

277 25.1 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 45.220 ng

RT: 15.092 min Scan# 2210

Delta R.T. -0.000 min

Lab File: BF141798.D

Acq: 27 Feb 2025 17:46

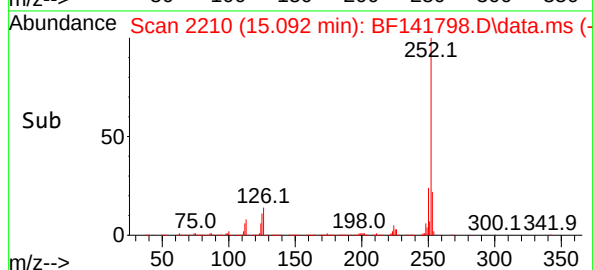
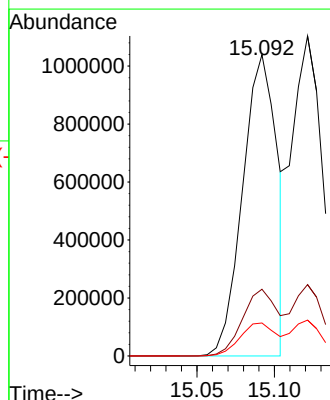
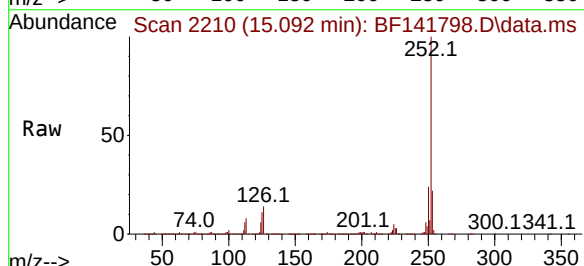
Tgt Ion:252 Resp: 1603729

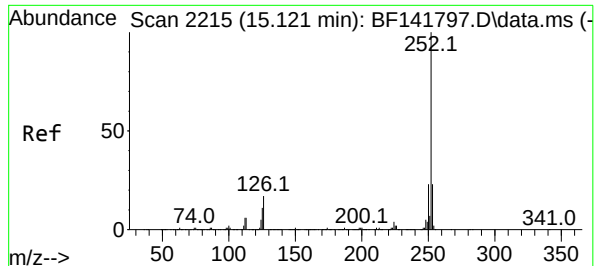
Ion Ratio Lower Upper

252 100

253 22.1 17.7 26.5

125 11.0 8.6 13.0





#89

Benzo(k)fluoranthene

Concen: 50.326 ng

RT: 15.121 min Scan# 2215

Delta R.T. -0.000 min

Lab File: BF141798.D

Acq: 27 Feb 2025 17:46

Instrument :

BNA\_F

ClientSampleId :

SSTDICC050

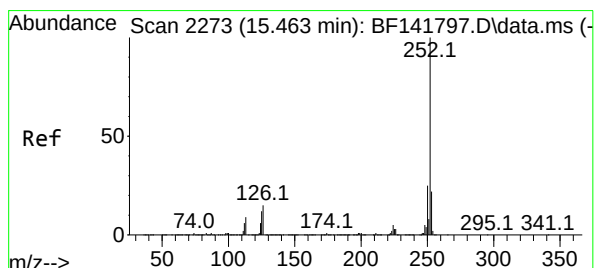
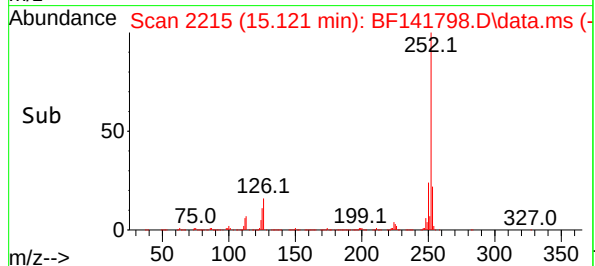
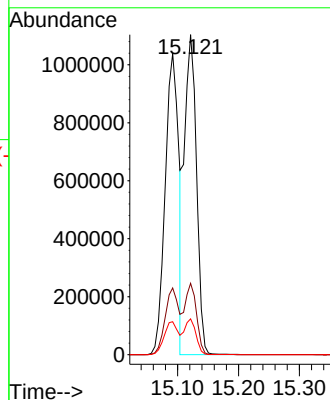
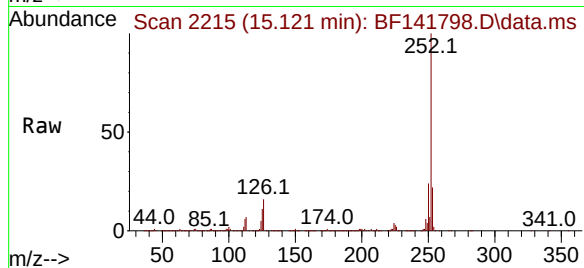
Tgt Ion:252 Resp: 1516995

Ion Ratio Lower Upper

252 100

253 22.3 17.8 26.8

125 11.2 8.8 13.2



#90

Benzo(a)pyrene

Concen: 48.495 ng

RT: 15.462 min Scan# 2273

Delta R.T. -0.000 min

Lab File: BF141798.D

Acq: 27 Feb 2025 17:46

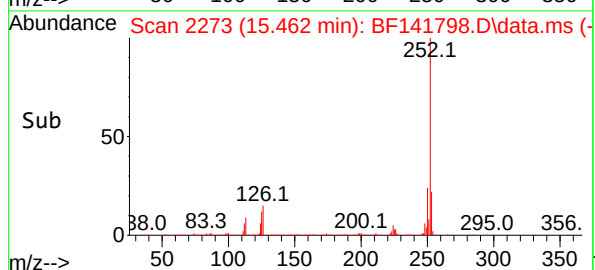
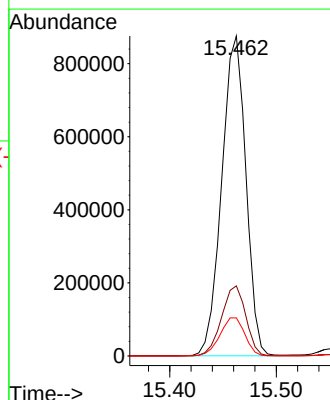
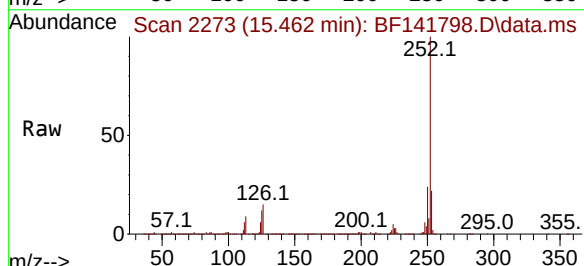
Tgt Ion:252 Resp: 1379319

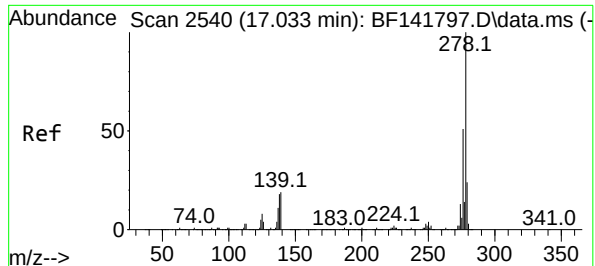
Ion Ratio Lower Upper

252 100

253 21.9 17.5 26.3

125 11.9 9.4 14.2





#91

Dibenzo(a,h)anthracene

Concen: 52.616 ng

RT: 17.039 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF141798.D

Acq: 27 Feb 2025 17:46

Instrument :

BNA\_F

ClientSampleId :

SSTDICC050

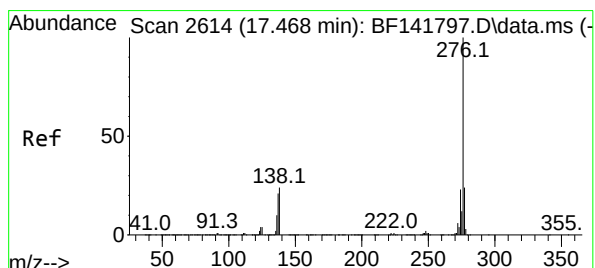
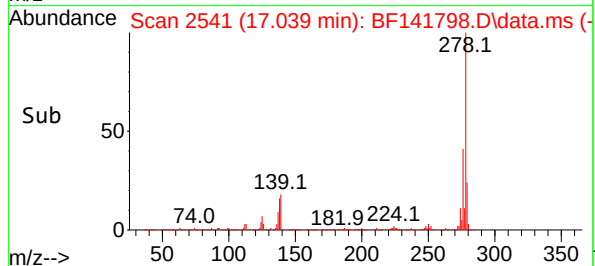
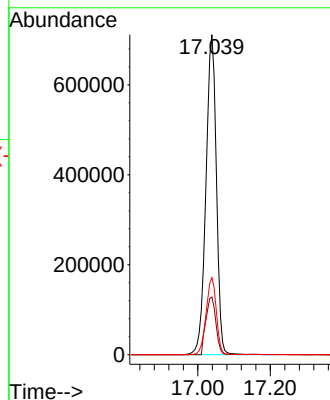
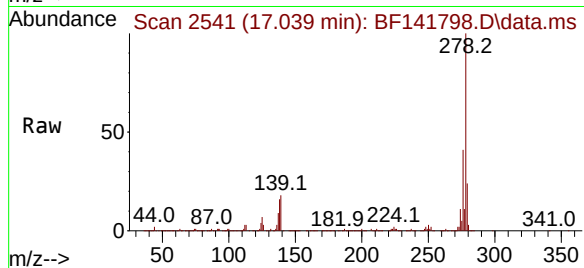
Tgt Ion:278 Resp: 1423862

Ion Ratio Lower Upper

278 100

139 18.0 14.9 22.3

279 24.1 19.3 28.9



#92

Benzo(g,h,i)perylene

Concen: 53.005 ng

RT: 17.474 min Scan# 2615

Delta R.T. 0.006 min

Lab File: BF141798.D

Acq: 27 Feb 2025 17:46

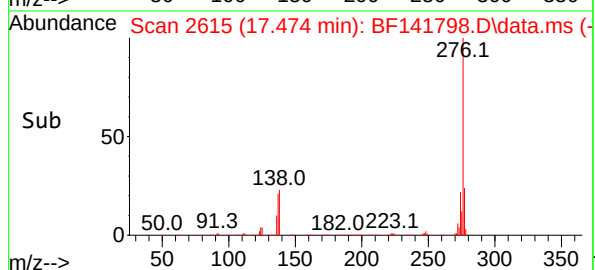
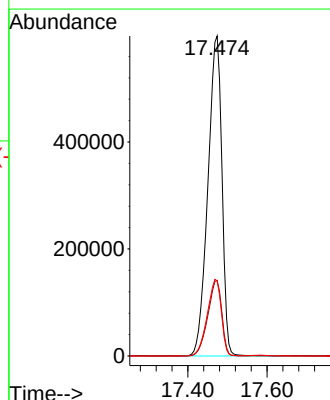
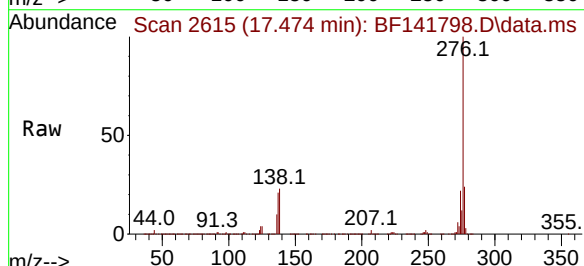
Tgt Ion:276 Resp: 1469480

Ion Ratio Lower Upper

276 100

277 23.6 19.4 29.0

138 23.5 19.3 28.9



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF022725\  
 Data File : BF141799.D  
 Acq On : 27 Feb 2025 18:15  
 Operator : RC/JU  
 Sample : SSTDICC060  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDICC060

Quant Time: Feb 28 01:27:16 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF022725.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Feb 28 01:19:57 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.892  | 152  | 297770   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.175  | 136  | 1163023  | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.928  | 164  | 617087   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.416 | 188  | 999271   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.051 | 240  | 562939   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.521 | 264  | 517191   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.504  | 112  | 2100577  | 112.657 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.516  | 99   | 2720970  | 112.117 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.457  | 82   | 2374498  | 130.503 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.716 | 330  | 725271   | 125.191 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.251  | 172  | 4223426  | 109.742 | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.998 | 244  | 4143891  | 119.098 | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.681  | 88   | 494559   | 58.455  | ng    | 99       |
| 3) Pyridine                   | 3.451  | 79   | 1241030  | 58.955  | ng    | 99       |
| 4) n-Nitrosodimethylamine     | 3.410  | 42   | 612676   | 60.489  | ng    | 98       |
| 6) Aniline                    | 6.557  | 93   | 1451456  | 57.840  | ng    | 99       |
| 8) 2-Chlorophenol             | 6.681  | 128  | 1130771  | 56.061  | ng    | 99       |
| 9) Benzaldehyde               | 6.445  | 77   | 736273   | 52.156  | ng    | 99       |
| 10) Phenol                    | 6.534  | 94   | 1451317  | 56.130  | ng    | 97       |
| 11) bis(2-Chloroethyl)ether   | 6.634  | 93   | 1130421  | 57.184  | ng    | 98       |
| 12) 1,3-Dichlorobenzene       | 6.834  | 146  | 1215544  | 56.273  | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 6.910  | 146  | 1230489  | 56.536  | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 7.063  | 146  | 1134751  | 55.834  | ng    | 100      |
| 15) Benzyl Alcohol            | 7.034  | 79   | 1108848  | 57.170  | ng    | 99       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.169  | 45   | 1706347  | 56.838  | ng    | 99       |
| 17) 2-Methylphenol            | 7.134  | 107  | 968603   | 58.177  | ng    | 99       |
| 18) Hexachloroethane          | 7.404  | 117  | 473809   | 58.163  | ng    | 99       |
| 19) n-Nitroso-di-n-propyla... | 7.316  | 70   | 899573   | 56.387  | ng    | 99       |
| 20) 3+4-Methylphenols         | 7.292  | 107  | 1144144  | 55.188  | ng    | 95       |
| 22) Acetophenone              | 7.304  | 105  | 1588210  | 56.070  | ng    | 99       |
| 24) Nitrobenzene              | 7.475  | 77   | 1244392  | 63.867  | ng    | 98       |
| 25) Isophorone                | 7.716  | 82   | 2297900  | 58.786  | ng    | 100      |
| 26) 2-Nitrophenol             | 7.786  | 139  | 540018   | 60.712  | ng    | 98       |
| 27) 2,4-Dimethylphenol        | 7.822  | 122  | 832135   | 57.912  | ng    | 100      |
| 28) bis(2-Chloroethoxy)met... | 7.922  | 93   | 1423641  | 57.094  | ng    | 100      |
| 29) 2,4-Dichlorophenol        | 8.028  | 162  | 981508   | 59.211  | ng    | 100      |
| 30) 1,2,4-Trichlorobenzene    | 8.116  | 180  | 1051434  | 57.885  | ng    | 100      |
| 31) Naphthalene               | 8.198  | 128  | 3313144  | 55.427  | ng    | 99       |
| 32) Benzoic acid              | 7.957  | 122  | 749284   | 60.158  | ng    | 99       |
| 33) 4-Chloroaniline           | 8.245  | 127  | 1243216  | 56.723  | ng    | 100      |
| 34) Hexachlorobutadiene       | 8.310  | 225  | 666891   | 59.082  | ng    | 99       |
| 35) Caprolactam               | 8.628  | 113  | 309453   | 60.671  | ng    | 98       |
| 36) 4-Chloro-3-methylphenol   | 8.716  | 107  | 1082457  | 58.783  | ng    | 99       |
| 37) 2-Methylnaphthalene       | 8.886  | 142  | 2160902  | 55.115  | ng    | 100      |
| 38) 1-Methylnaphthalene       | 8.986  | 142  | 2071154  | 55.054  | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 9.051  | 216  | 1024373  | 57.477  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 9.039  | 237  | 458054   | 61.586  | ng    | 100      |
| 43) 2,4,6-Trichlorophenol     | 9.157  | 196  | 681760   | 59.220  | ng    | 99       |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF022725\  
 Data File : BF141799.D  
 Acq On : 27 Feb 2025 18:15  
 Operator : RC/JU  
 Sample : SSTDICC060  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDICC060

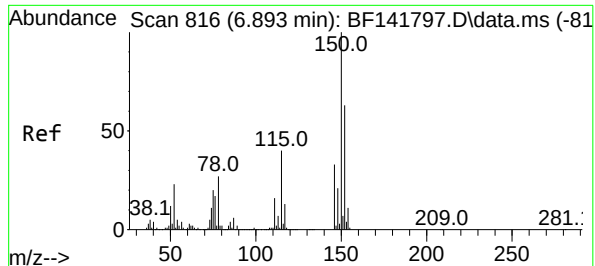
Quant Time: Feb 28 01:27:16 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF022725.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Feb 28 01:19:57 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.198  | 196  | 703662   | 61.725 | ng    | 99       |
| 46) 1,1'-Biphenyl             | 9.351  | 154  | 2626139  | 55.911 | ng    | 99       |
| 47) 2-Chloronaphthalene       | 9.375  | 162  | 1982513  | 57.187 | ng    | 99       |
| 48) 2-Nitroaniline            | 9.469  | 65   | 590092   | 60.902 | ng    | 98       |
| 49) Acenaphthylene            | 9.792  | 152  | 2954653  | 56.845 | ng    | 100      |
| 50) Dimethylphthalate         | 9.657  | 163  | 2379542  | 57.581 | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 9.710  | 165  | 491402   | 61.325 | ng    | 98       |
| 52) Acenaphthene              | 9.963  | 154  | 2006502  | 57.211 | ng    | 99       |
| 53) 3-Nitroaniline            | 9.880  | 138  | 521575   | 61.078 | ng    | 99       |
| 54) 2,4-Dinitrophenol         | 9.980  | 184  | 207307   | 62.312 | ng    | # 13     |
| 55) Dibenzofuran              | 10.133 | 168  | 2854091  | 55.911 | ng    | 99       |
| 56) 4-Nitrophenol             | 10.028 | 139  | 424581   | 69.564 | ng    | 100      |
| 57) 2,4-Dinitrotoluene        | 10.116 | 165  | 601539   | 61.246 | ng    | 99       |
| 58) Fluorene                  | 10.480 | 166  | 2099887  | 54.917 | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol | 10.251 | 232  | 596455   | 60.159 | ng    | 99       |
| 60) Diethylphthalate          | 10.351 | 149  | 2360216  | 56.972 | ng    | 100      |
| 61) 4-Chlorophenyl-phenyle... | 10.469 | 204  | 1079059  | 56.324 | ng    | 98       |
| 62) 4-Nitroaniline            | 10.498 | 138  | 490806   | 69.546 | ng    | 99       |
| 63) Azobenzene                | 10.627 | 77   | 2453259  | 56.242 | ng    | 99       |
| 65) 4,6-Dinitro-2-methylph... | 10.522 | 198  | 300954   | 61.255 | ng    | 99       |
| 66) n-Nitrosodiphenylamine    | 10.592 | 169  | 1867463  | 56.913 | ng    | 98       |
| 67) 4-Bromophenyl-phenylether | 10.963 | 248  | 688777   | 59.012 | ng    | 97       |
| 68) Hexachlorobenzene         | 11.022 | 284  | 726507   | 58.945 | ng    | 98       |
| 69) Atrazine                  | 11.110 | 200  | 416878   | 46.200 | ng    | 100      |
| 70) Pentachlorophenol         | 11.210 | 266  | 492228   | 62.968 | ng    | 99       |
| 71) Phenanthrene              | 11.439 | 178  | 3002094  | 56.165 | ng    | 99       |
| 72) Anthracene                | 11.492 | 178  | 2966353  | 55.373 | ng    | 99       |
| 73) Carbazole                 | 11.639 | 167  | 2612132  | 55.217 | ng    | 99       |
| 74) Di-n-butylphthalate       | 11.974 | 149  | 3338525  | 55.675 | ng    | 99       |
| 75) Fluoranthene              | 12.627 | 202  | 2940034  | 53.680 | ng    | 99       |
| 77) Benzidine                 | 12.739 | 184  | 306135   | 43.207 | ng    | 99       |
| 78) Pyrene                    | 12.857 | 202  | 2927964  | 60.064 | ng    | 100      |
| 80) Butylbenzylphthalate      | 13.474 | 149  | 1126511  | 63.605 | ng    | 100      |
| 81) Benzo(a)anthracene        | 14.039 | 228  | 2130928  | 57.309 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 14.004 | 252  | 614898   | 57.639 | ng    | 100      |
| 83) Chrysene                  | 14.080 | 228  | 2040957  | 59.545 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 14.033 | 149  | 1398602  | 63.421 | ng    | 99       |
| 85) Di-n-octyl phthalate      | 14.645 | 149  | 2225625  | 67.411 | ng    | 99       |
| 87) Indeno(1,2,3-cd)pyrene    | 17.021 | 276  | 2127125  | 64.589 | ng    | 100      |
| 88) Benzo(b)fluoranthene      | 15.092 | 252  | 2126076  | 60.349 | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 15.121 | 252  | 1614240  | 53.909 | ng    | 100      |
| 90) Benzo(a)pyrene            | 15.462 | 252  | 1676196  | 59.327 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 17.039 | 278  | 1708189  | 63.544 | ng    | 100      |
| 92) Benzo(g,h,i)perylene      | 17.474 | 276  | 1792957  | 65.105 | ng    | 99       |

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

**Instrument :**  
BNA\_F  
**ClientSampleId :**  
SSTDICC060

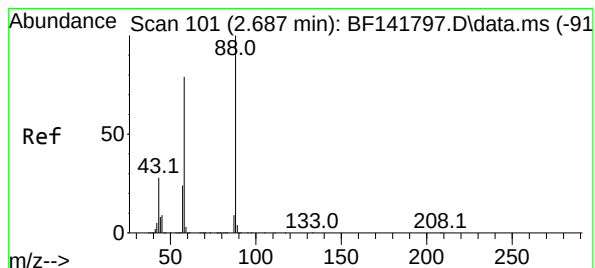
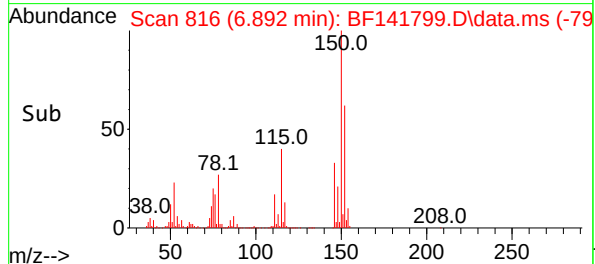
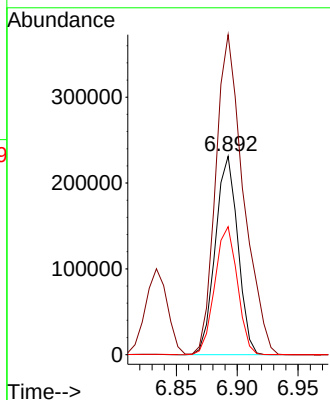
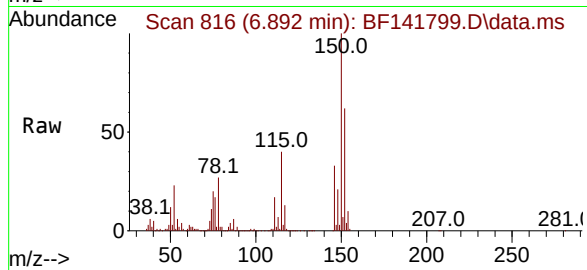
[illegible]



#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.892 min Scan# 81  
Delta R.T. -0.001 min  
Lab File: BF141799.D  
Acq: 27 Feb 2025 18:15

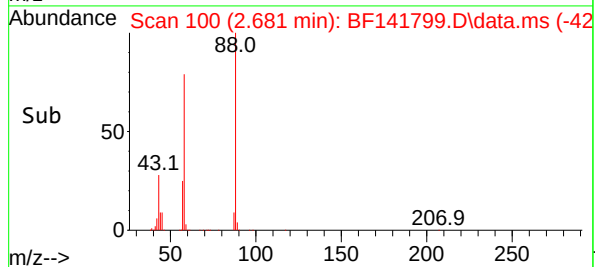
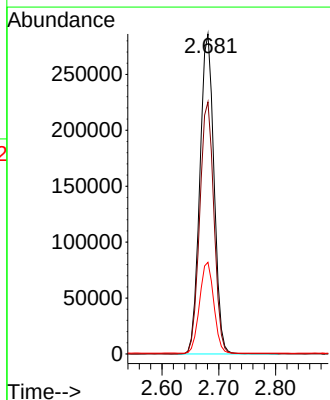
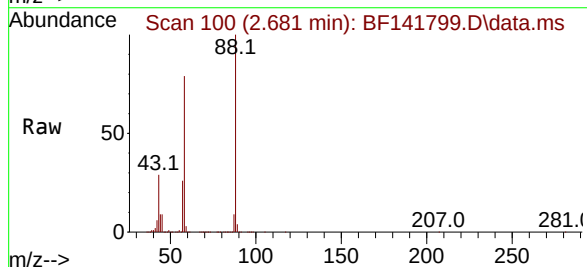
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC060

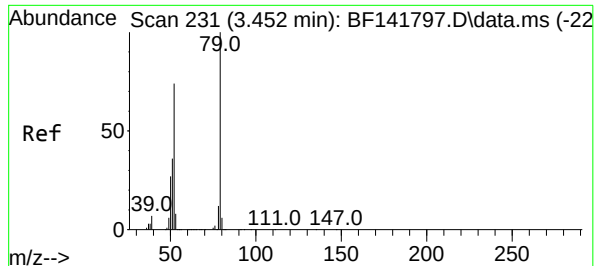
Tgt Ion:152 Resp: 297770  
Ion Ratio Lower Upper  
152 100  
150 161.3 127.5 191.3  
115 64.5 51.4 77.2



#2  
1,4-Dioxane  
Concen: 58.455 ng  
RT: 2.681 min Scan# 100  
Delta R.T. -0.006 min  
Lab File: BF141799.D  
Acq: 27 Feb 2025 18:15

Tgt Ion: 88 Resp: 494559  
Ion Ratio Lower Upper  
88 100  
58 79.2 63.9 95.9  
43 28.6 23.0 34.6





#3

Pyridine

Concen: 58.955 ng

RT: 3.451 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF141799.D

Acq: 27 Feb 2025 18:15

Instrument :

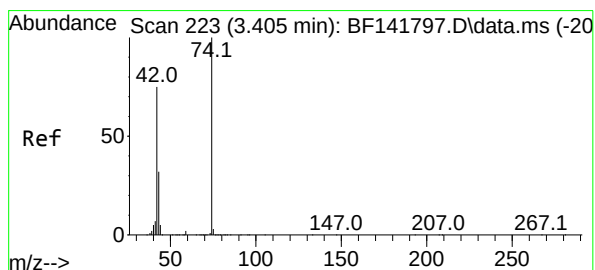
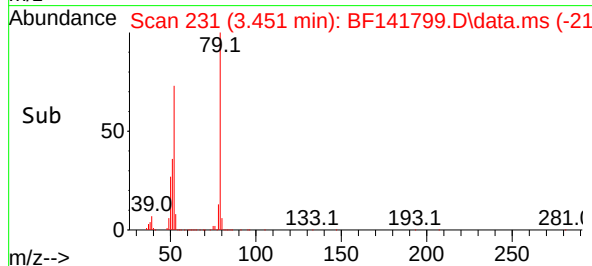
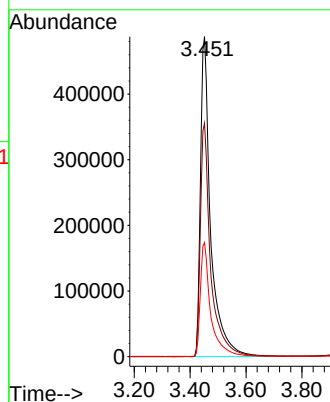
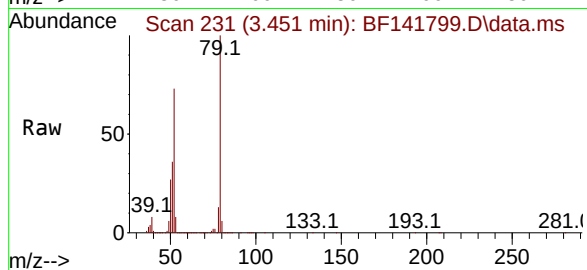
BNA\_F

ClientSampleId :

SSTDICC060

Tgt Ion: 79 Resp: 1241030

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 79  | 100   |       |       |
| 52  | 73.0  | 59.0  | 88.4  |
| 51  | 35.6  | 29.0  | 43.4  |



#4

n-Nitrosodimethylamine

Concen: 60.489 ng

RT: 3.410 min Scan# 224

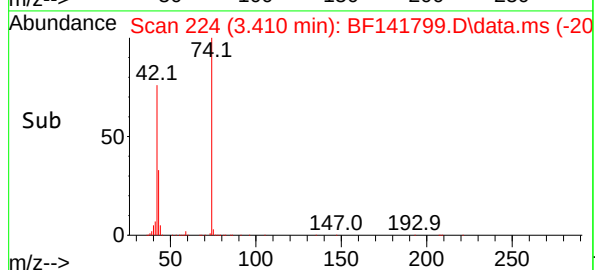
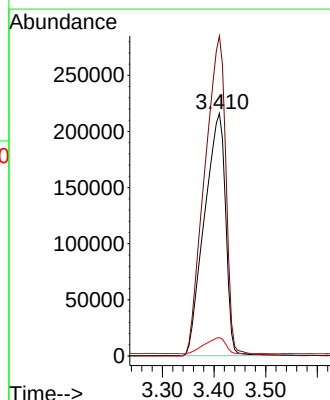
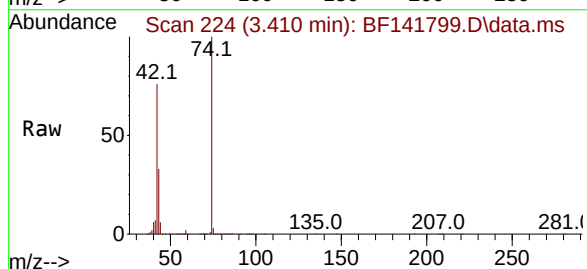
Delta R.T. 0.006 min

Lab File: BF141799.D

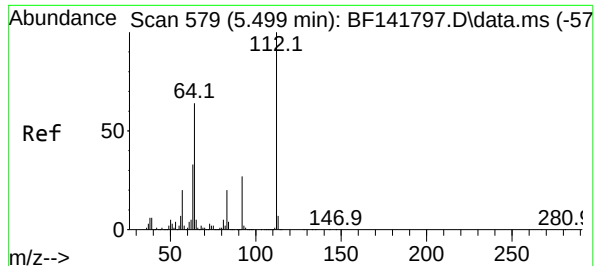
Acq: 27 Feb 2025 18:15

Tgt Ion: 42 Resp: 612676

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 42  | 100   |       |       |
| 74  | 131.9 | 107.1 | 160.7 |
| 44  | 7.6   | 6.6   | 9.8   |



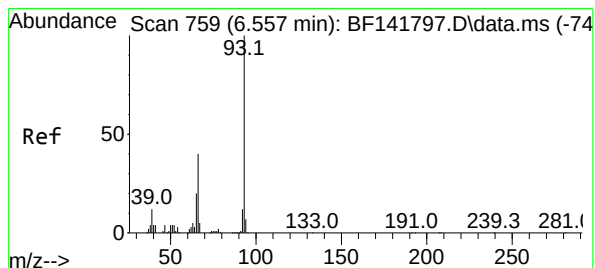
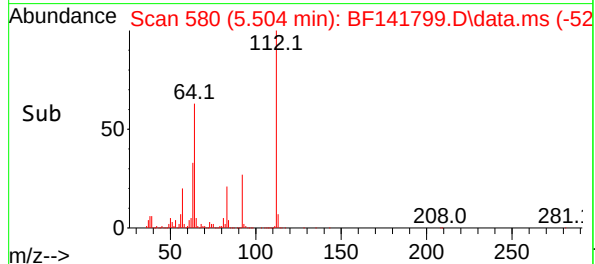
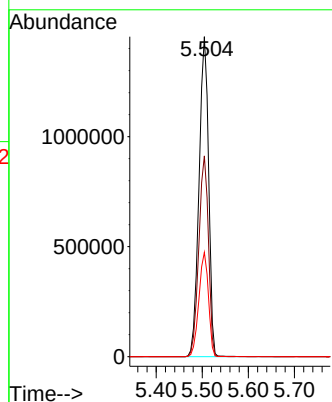
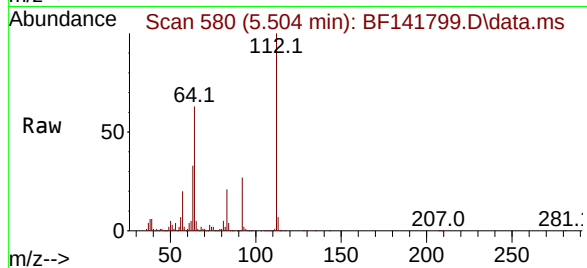




#5  
2-Fluorophenol  
Concen: 112.657 ng  
RT: 5.504 min Scan# 580  
Delta R.T. 0.006 min  
Lab File: BF141799.D  
Acq: 27 Feb 2025 18:15

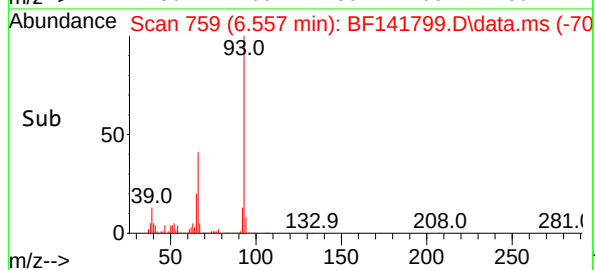
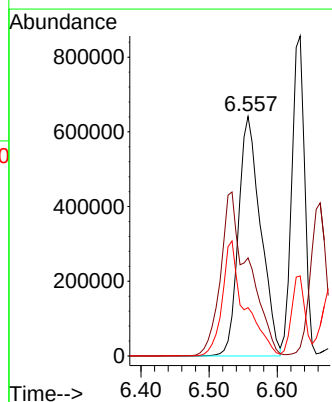
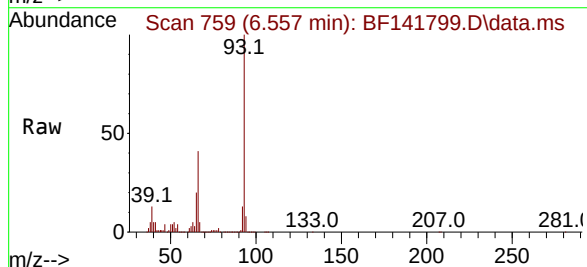
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC060

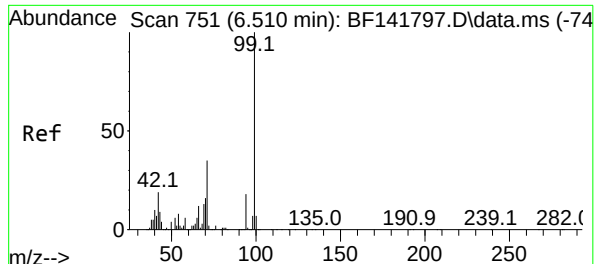
Tgt Ion:112 Resp: 2100577  
Ion Ratio Lower Upper  
112 100  
64 62.8 51.3 76.9  
63 32.6 26.2 39.4



#6  
Aniline  
Concen: 57.840 ng  
RT: 6.557 min Scan# 759  
Delta R.T. -0.000 min  
Lab File: BF141799.D  
Acq: 27 Feb 2025 18:15

Tgt Ion: 93 Resp: 1451456  
Ion Ratio Lower Upper  
93 100  
66 41.0 32.3 48.5  
65 20.2 15.9 23.9





#7

Phenol-d6

Concen: 112.117 ng

RT: 6.516 min Scan# 71

Delta R.T. 0.006 min

Lab File: BF141799.D

Acq: 27 Feb 2025 18:15

Instrument :

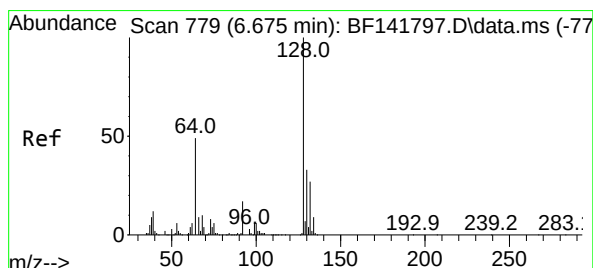
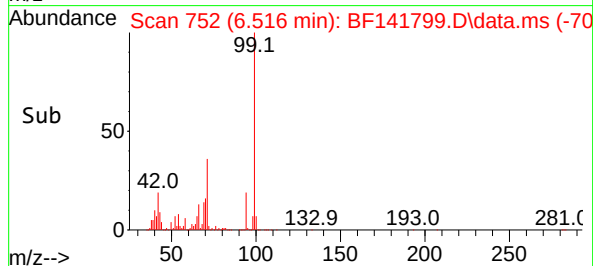
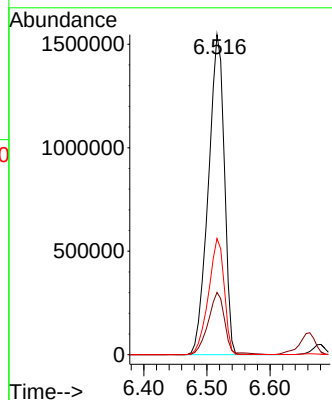
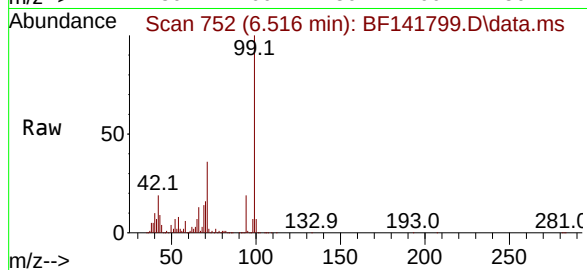
BNA\_F

ClientSampleId :

SSTDICC060

Tgt Ion: 99 Resp: 2720970

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 19.5  | 15.2  | 22.8  |
| 71  | 36.3  | 28.2  | 42.2  |



#8

2-Chlorophenol

Concen: 56.061 ng

RT: 6.681 min Scan# 780

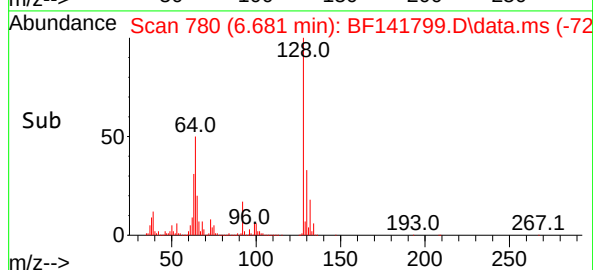
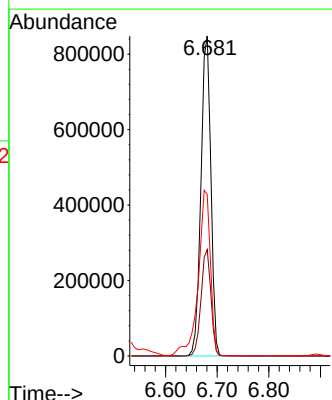
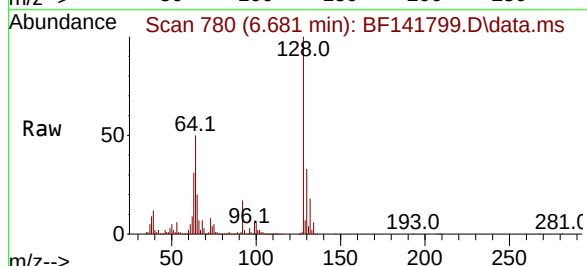
Delta R.T. 0.006 min

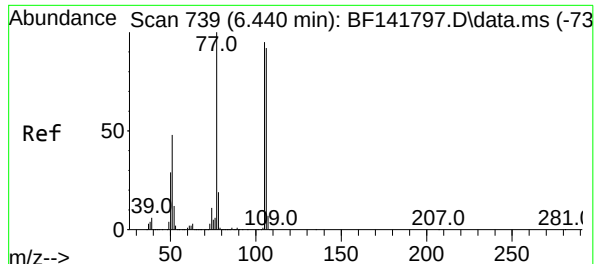
Lab File: BF141799.D

Acq: 27 Feb 2025 18:15

Tgt Ion: 128 Resp: 1130771

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 130 | 33.3  | 12.6  | 52.6  |
| 64  | 50.4  | 31.1  | 71.1  |

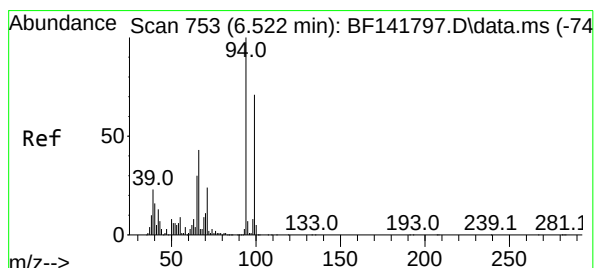
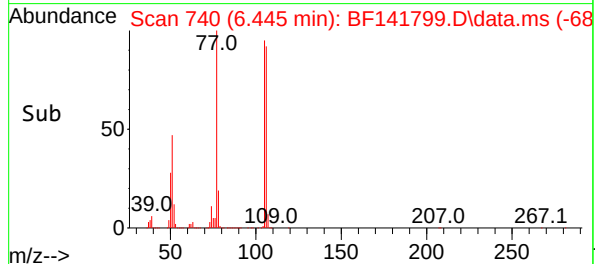
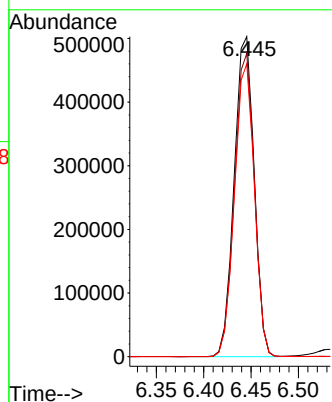
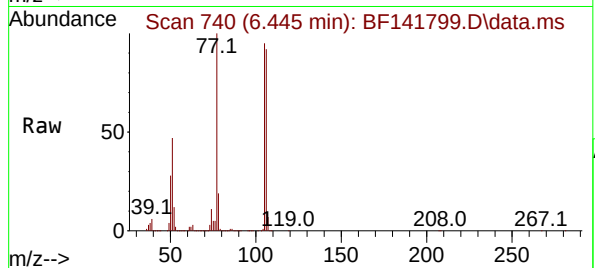




#9  
Benzaldehyde  
Concen: 52.156 ng  
RT: 6.445 min Scan# 740  
Delta R.T. 0.006 min  
Lab File: BF141799.D  
Acq: 27 Feb 2025 18:15

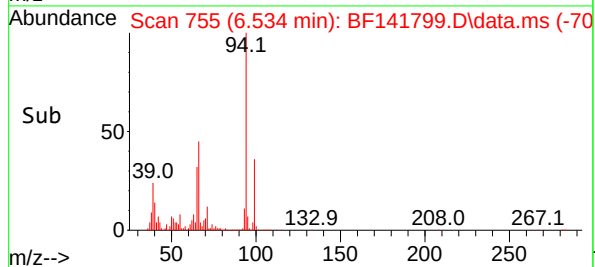
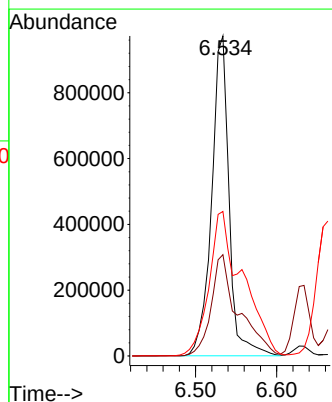
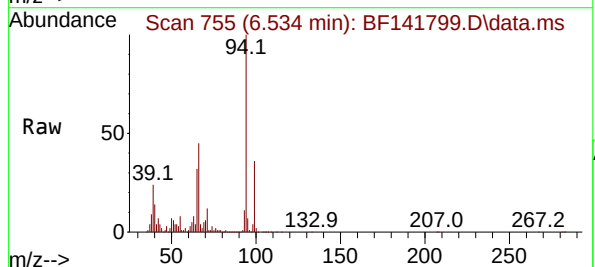
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC060

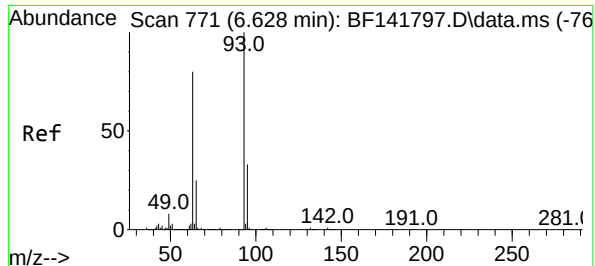
Tgt Ion: 77 Resp: 736273  
Ion Ratio Lower Upper  
77 100  
105 94.7 75.3 115.3  
106 91.6 72.3 112.3



#10  
Phenol  
Concen: 56.130 ng  
RT: 6.534 min Scan# 755  
Delta R.T. 0.012 min  
Lab File: BF141799.D  
Acq: 27 Feb 2025 18:15

Tgt Ion: 94 Resp: 1451317  
Ion Ratio Lower Upper  
94 100  
65 31.7 10.2 50.2  
66 45.1 23.2 63.2





#11

bis(2-Chloroethyl)ether

Concen: 57.184 ng

RT: 6.634 min Scan# 771

Delta R.T. 0.006 min

Lab File: BF141799.D

Acq: 27 Feb 2025 18:15

Instrument :

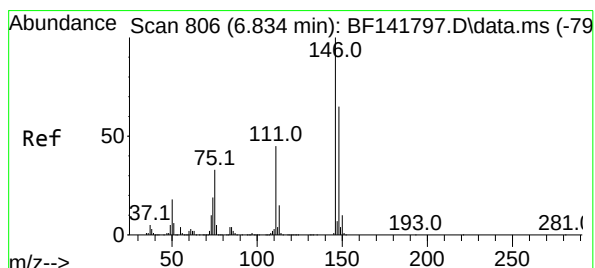
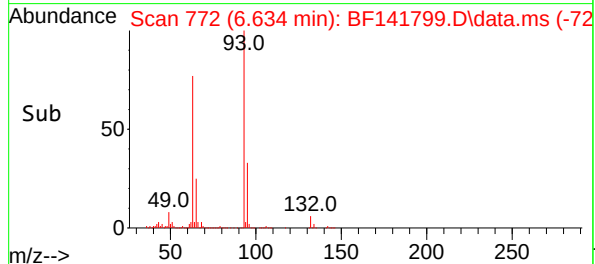
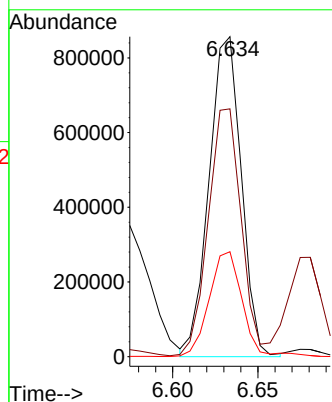
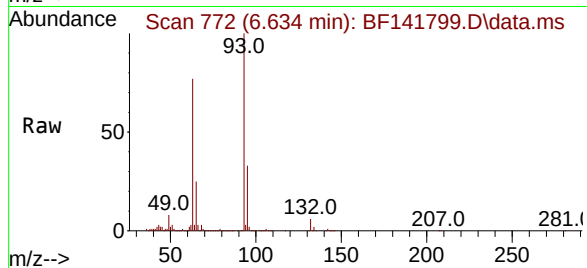
BNA\_F

ClientSampleId :

SSTDICC060

Tgt Ion: 93 Resp: 1130421

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 93  | 100   |       |       |
| 63  | 77.4  | 59.3  | 99.3  |
| 95  | 32.8  | 13.2  | 53.2  |



#12

1,3-Dichlorobenzene

Concen: 56.273 ng

RT: 6.834 min Scan# 806

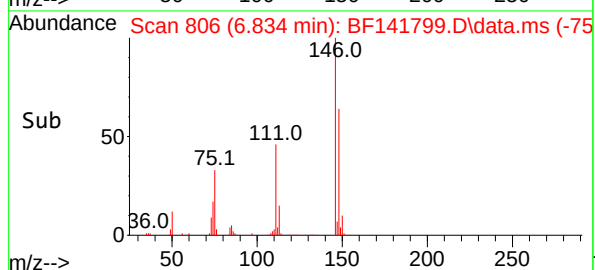
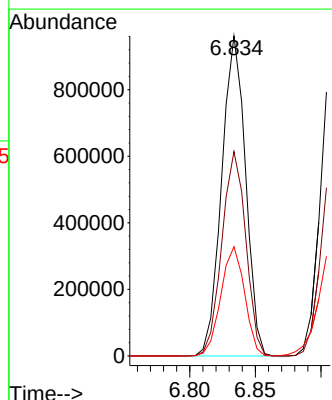
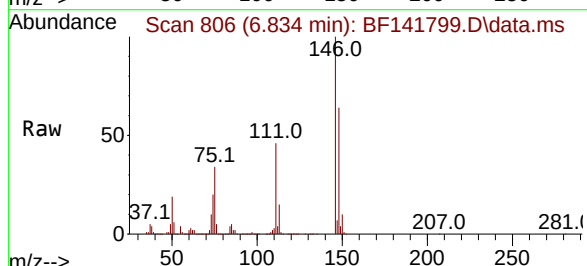
Delta R.T. -0.000 min

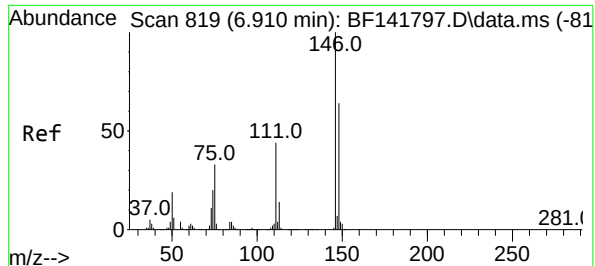
Lab File: BF141799.D

Acq: 27 Feb 2025 18:15

Tgt Ion:146 Resp: 1215544

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 146 | 100   |       |       |
| 148 | 63.9  | 51.8  | 77.6  |
| 75  | 34.1  | 26.2  | 39.4  |





#13

1,4-Dichlorobenzene

Concen: 56.536 ng

RT: 6.910 min Scan# 819

Delta R.T. -0.000 min

Lab File: BF141799.D

Acq: 27 Feb 2025 18:15

Instrument :

BNA\_F

ClientSampleId :

SSTDICC060

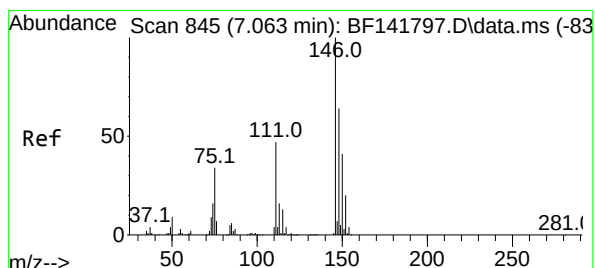
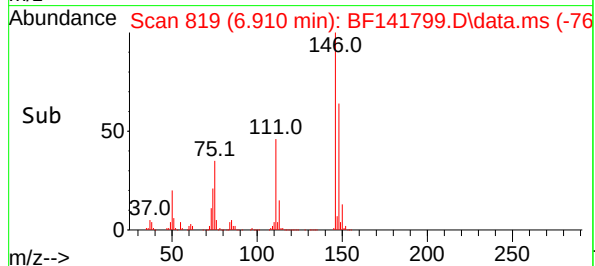
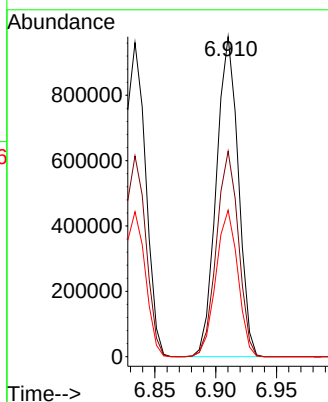
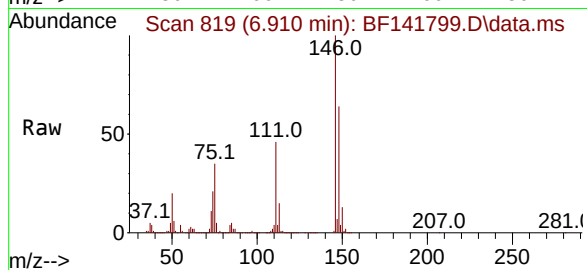
Tgt Ion:146 Resp: 1230489

Ion Ratio Lower Upper

146 100

148 64.2 51.4 77.2

111 45.8 35.5 53.3



#14

1,2-Dichlorobenzene

Concen: 55.834 ng

RT: 7.063 min Scan# 845

Delta R.T. -0.000 min

Lab File: BF141799.D

Acq: 27 Feb 2025 18:15

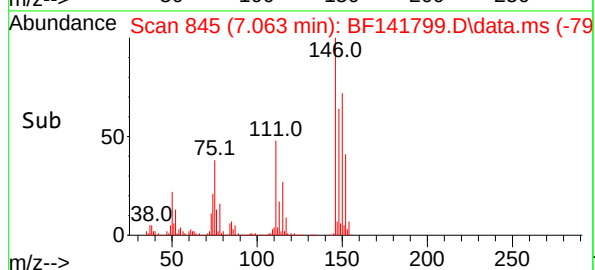
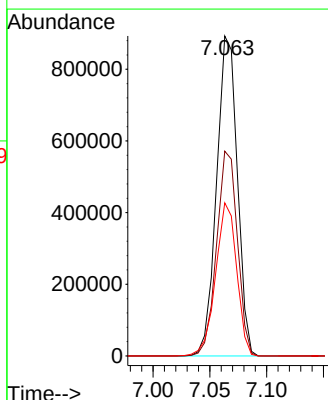
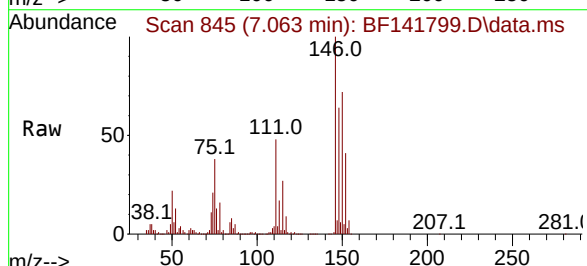
Tgt Ion:146 Resp: 1134751

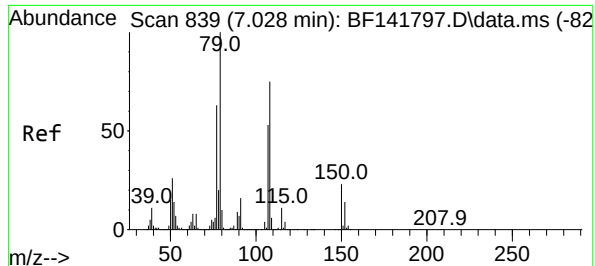
Ion Ratio Lower Upper

146 100

148 64.0 51.2 76.8

111 47.8 37.8 56.6





#15

Benzyl Alcohol

Concen: 57.170 ng

RT: 7.034 min Scan# 84

Delta R.T. 0.006 min

Lab File: BF141799.D

Acq: 27 Feb 2025 18:15

Instrument :

BNA\_F

ClientSampleId :

SSTDICC060

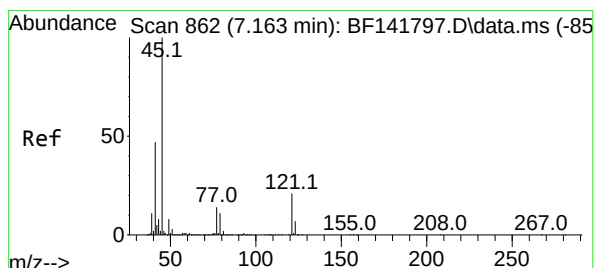
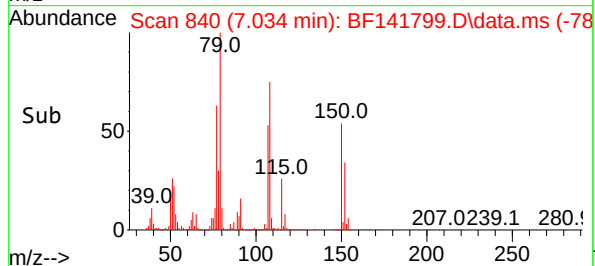
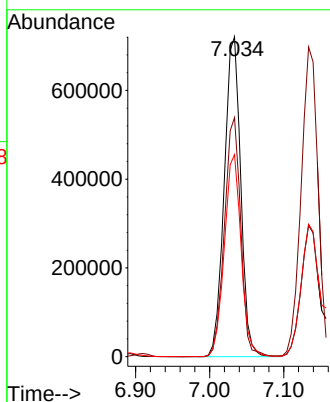
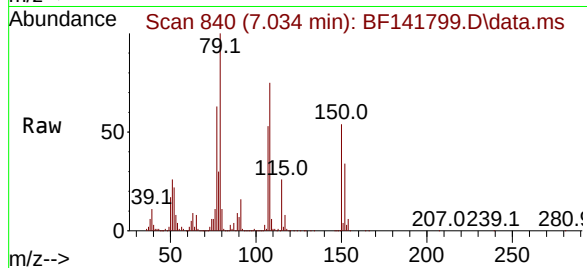
Tgt Ion: 79 Resp: 1108848

Ion Ratio Lower Upper

79 100

108 74.7 60.2 90.2

77 63.2 50.2 75.2



#16

2,2'-oxybis(1-Chloropropane)

Concen: 56.838 ng

RT: 7.169 min Scan# 863

Delta R.T. 0.006 min

Lab File: BF141799.D

Acq: 27 Feb 2025 18:15

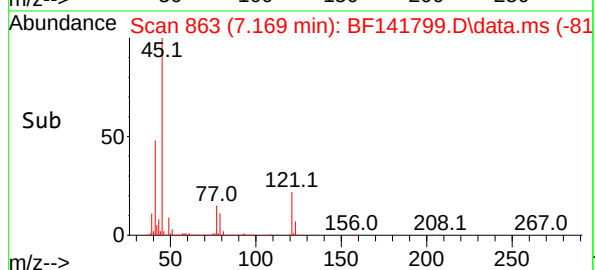
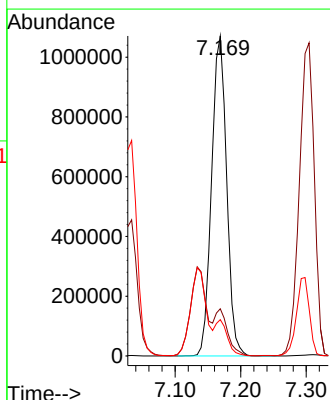
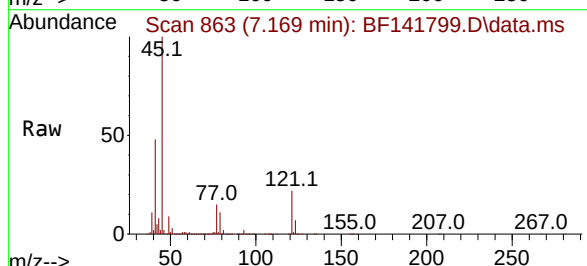
Tgt Ion: 45 Resp: 1706347

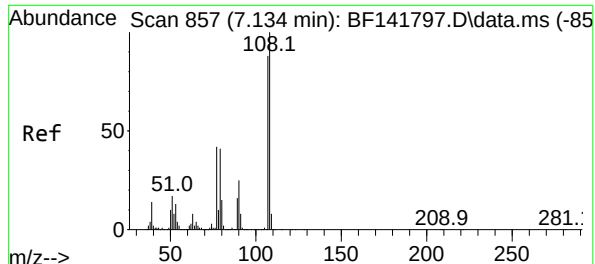
Ion Ratio Lower Upper

45 100

77 14.7 0.0 34.4

79 11.4 0.0 30.9





#17

2-Methylphenol

Concen: 58.177 ng

RT: 7.134 min Scan# 857

Delta R.T. -0.000 min

Lab File: BF141799.D

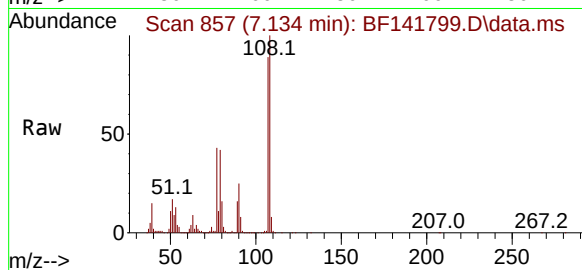
Acq: 27 Feb 2025 18:15

Instrument :

BNA\_F

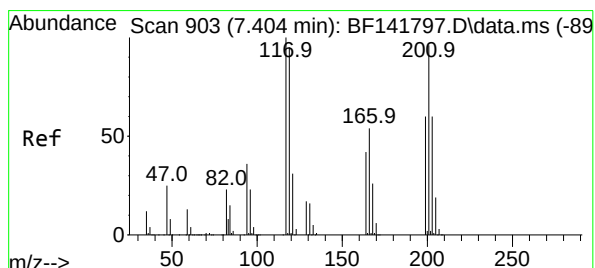
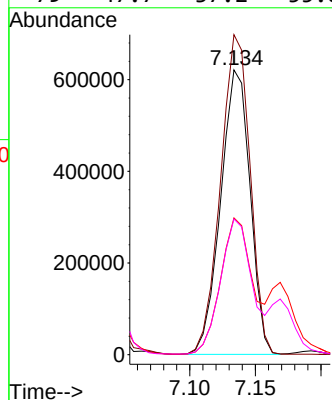
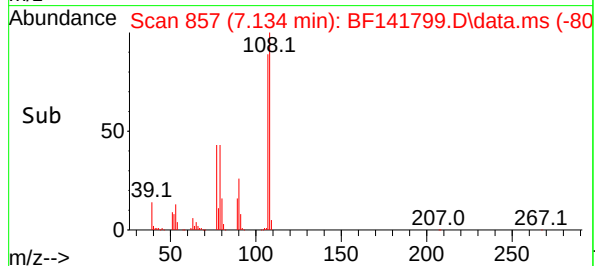
ClientSampleId :

SSTDICC060



Tgt Ion:107 Resp: 968603

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 107 | 100   |       |       |
| 108 | 112.4 | 90.6  | 135.8 |
| 77  | 48.0  | 37.7  | 56.5  |
| 79  | 47.7  | 37.2  | 55.8  |



#18

Hexachloroethane

Concen: 58.163 ng

RT: 7.404 min Scan# 903

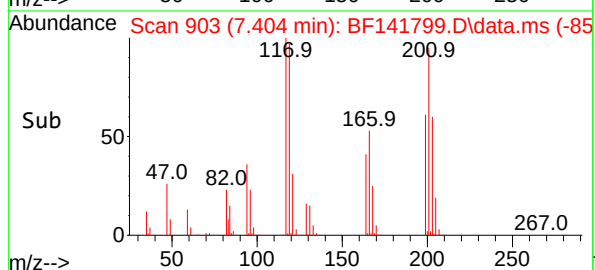
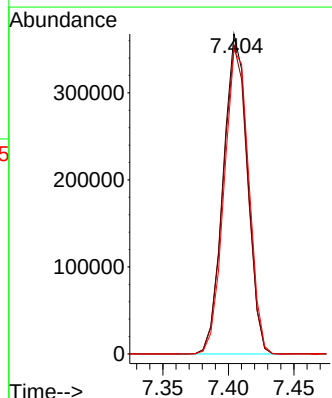
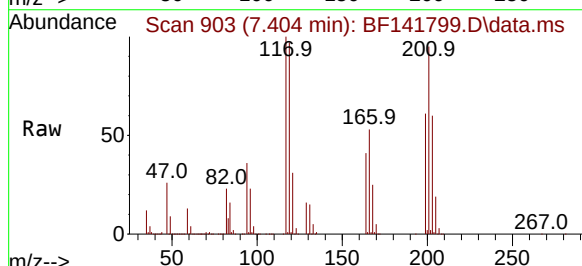
Delta R.T. -0.000 min

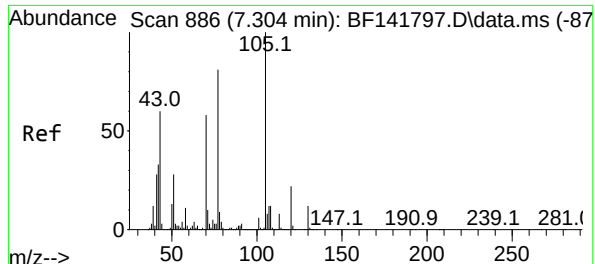
Lab File: BF141799.D

Acq: 27 Feb 2025 18:15

Tgt Ion:117 Resp: 473809

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 117 | 100   |       |       |
| 119 | 96.5  | 75.8  | 113.8 |
| 201 | 95.0  | 76.7  | 115.1 |





#19

n-Nitroso-di-n-propylamine

Concen: 56.387 ng

RT: 7.316 min Scan# 888

Delta R.T. 0.012 min

Lab File: BF141799.D

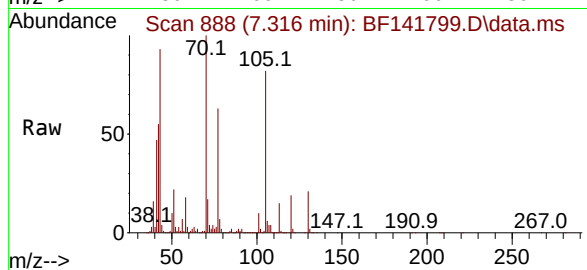
Acq: 27 Feb 2025 18:15

Instrument :

BNA\_F

ClientSampleId :

SSTDICC060



Tgt Ion: 70 Resp: 899573

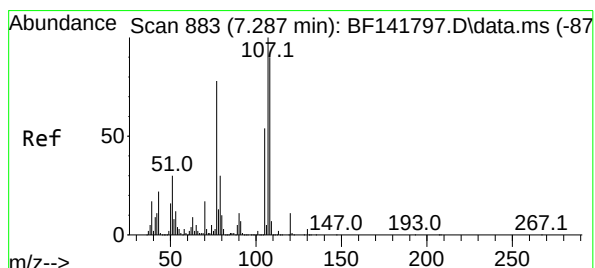
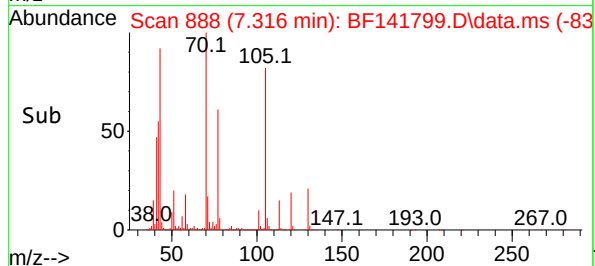
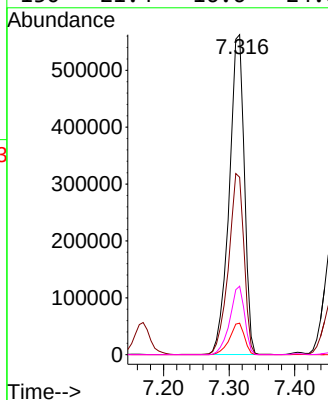
Ion Ratio Lower Upper

70 100

42 55.5 45.4 68.0

101 9.9 7.8 11.8

130 21.4 16.6 24.8



#20

3+4-Methylphenols

Concen: 55.188 ng

RT: 7.292 min Scan# 884

Delta R.T. 0.006 min

Lab File: BF141799.D

Acq: 27 Feb 2025 18:15

Tgt Ion: 107 Resp: 1144144

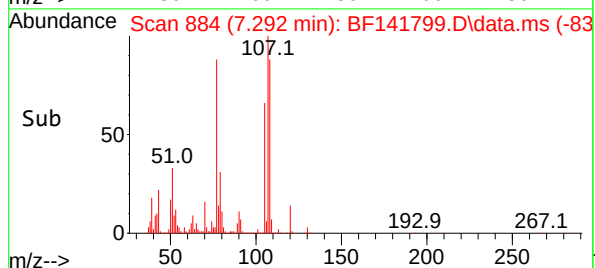
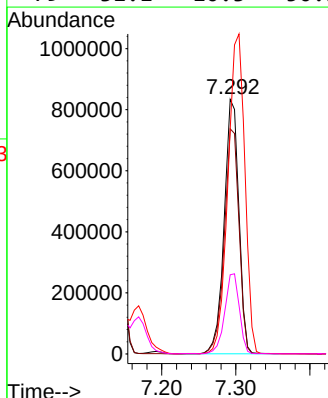
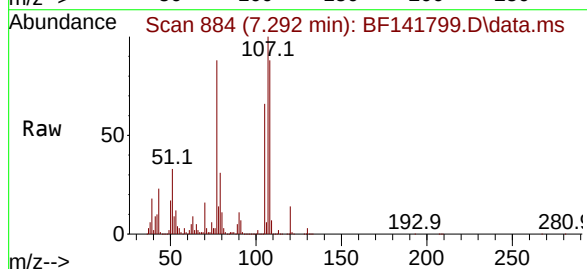
Ion Ratio Lower Upper

107 100

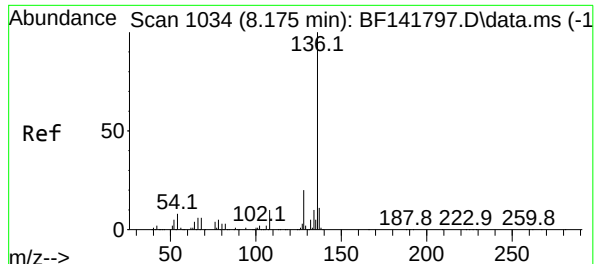
108 88.4 69.7 109.7

77 88.3 58.3 98.3

79 31.1 10.3 50.3



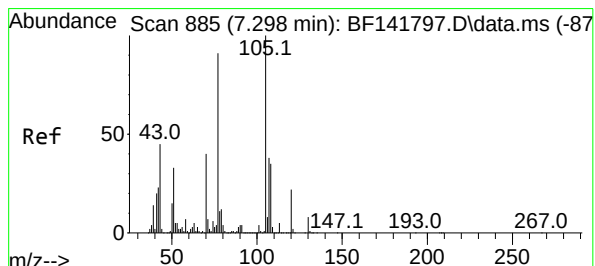
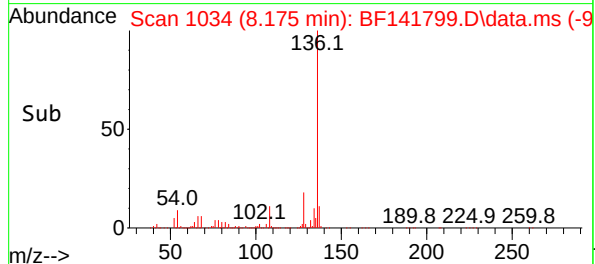
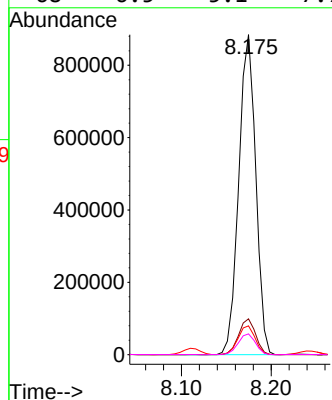
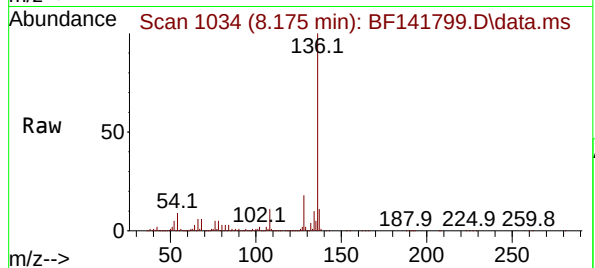




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.175 min Scan# 1034  
Delta R.T. -0.000 min  
Lab File: BF141799.D  
Acq: 27 Feb 2025 18:15

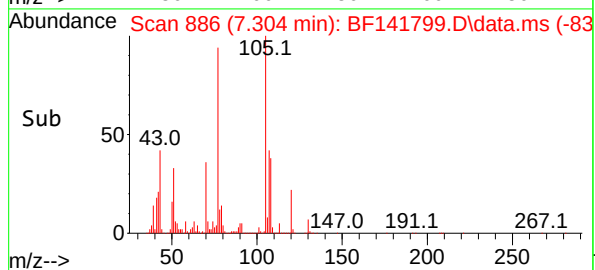
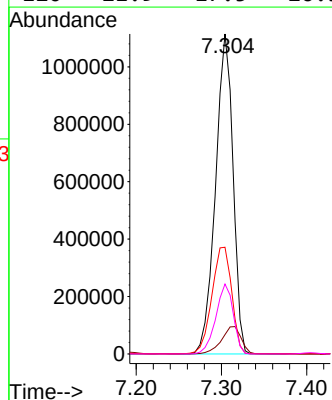
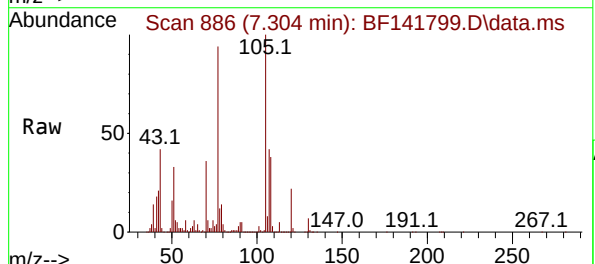
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC060

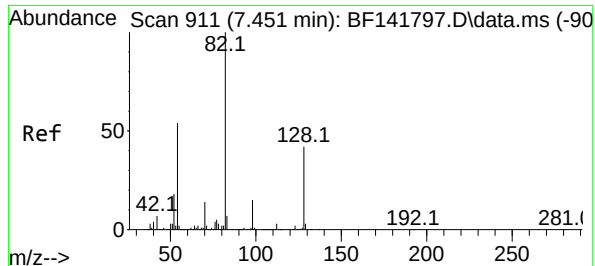
Tgt Ion:136 Resp: 1163023  
Ion Ratio Lower Upper  
136 100  
137 11.2 8.9 13.3  
54 9.0 6.9 10.3  
68 6.5 5.1 7.7



#22  
Acetophenone  
Concen: 56.070 ng  
RT: 7.304 min Scan# 886  
Delta R.T. 0.006 min  
Lab File: BF141799.D  
Acq: 27 Feb 2025 18:15

Tgt Ion:105 Resp: 1588210  
Ion Ratio Lower Upper  
105 100  
71 6.1 5.4 8.0  
51 33.4 26.1 39.1  
120 21.9 17.5 26.3





#23

Nitrobenzene-d5

Concen: 130.503 ng

RT: 7.457 min Scan# 911

Delta R.T. 0.006 min

Lab File: BF141799.D

Acq: 27 Feb 2025 18:15

Instrument :

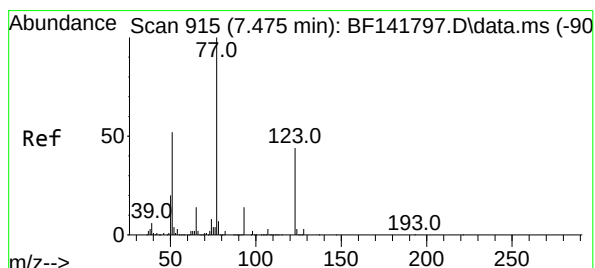
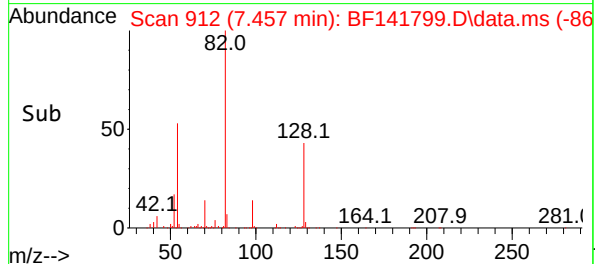
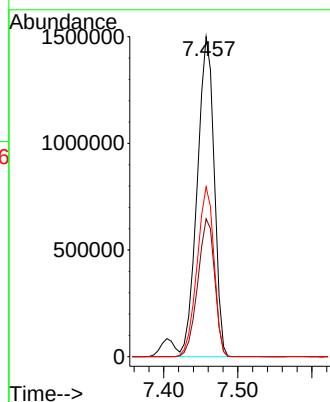
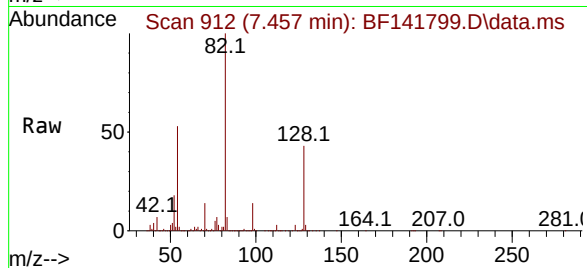
BNA\_F

ClientSampleId :

SSTDICC060

Tgt Ion: 82 Resp: 2374498

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 43.1  | 33.5  | 50.3  |
| 54  | 53.1  | 42.7  | 64.1  |



#24

Nitrobenzene

Concen: 63.867 ng

RT: 7.475 min Scan# 915

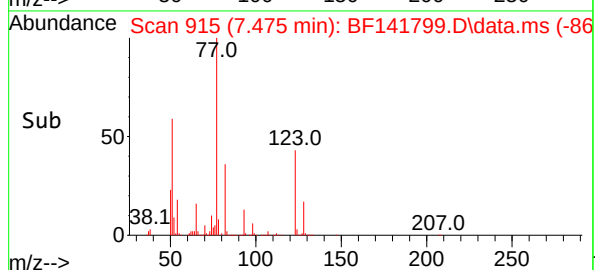
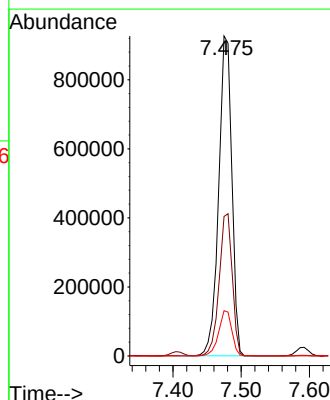
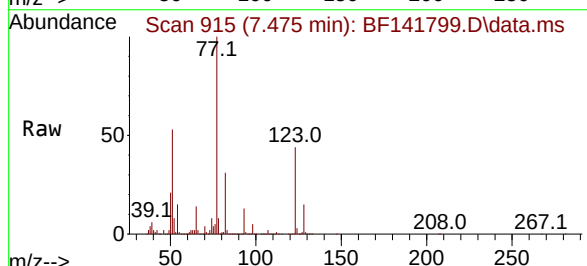
Delta R.T. -0.000 min

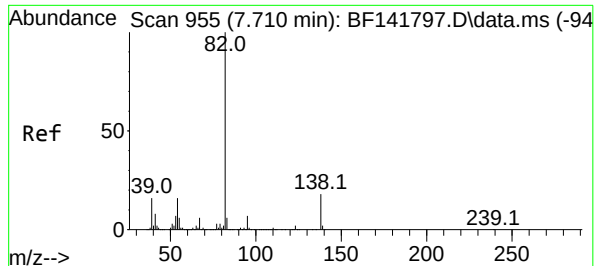
Lab File: BF141799.D

Acq: 27 Feb 2025 18:15

Tgt Ion: 77 Resp: 1244392

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 77  | 100   |       |       |
| 123 | 43.6  | 35.8  | 53.8  |
| 65  | 14.2  | 11.2  | 16.8  |

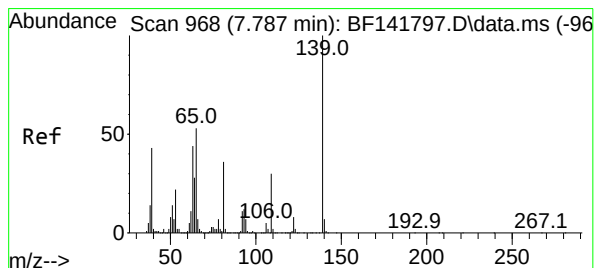
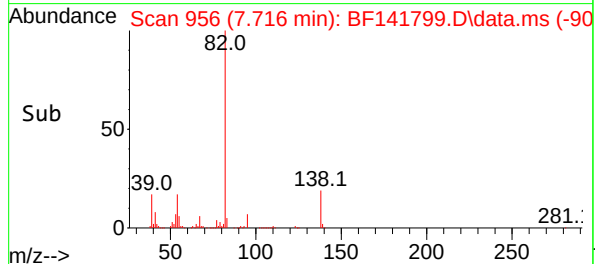
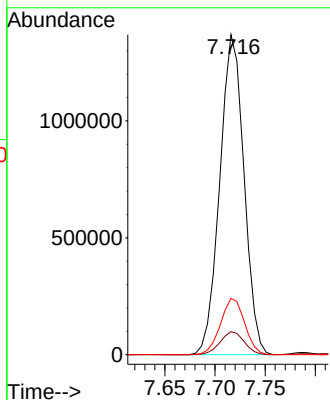
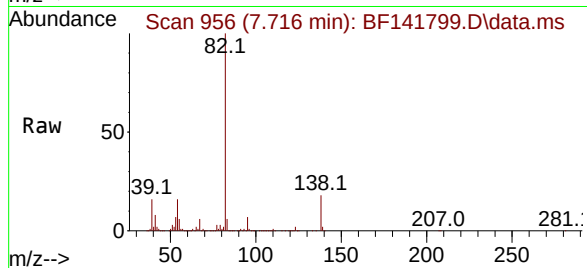




#25  
Isophorone  
Concen: 58.786 ng  
RT: 7.716 min Scan# 955  
Delta R.T. 0.006 min  
Lab File: BF141799.D  
Acq: 27 Feb 2025 18:15

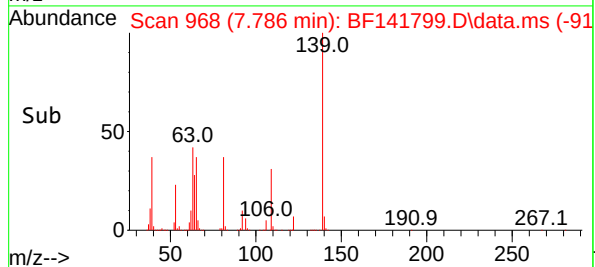
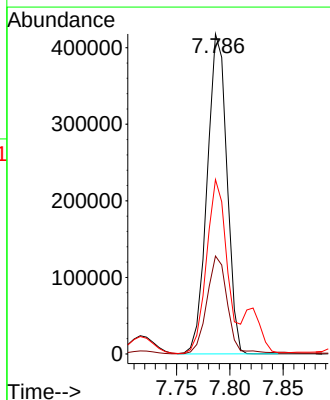
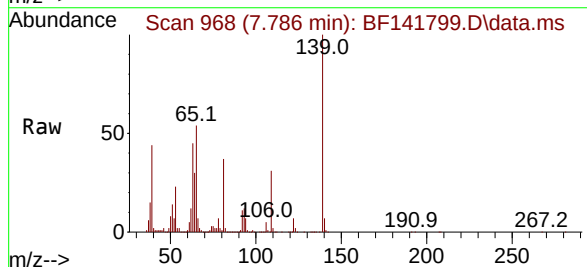
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC060

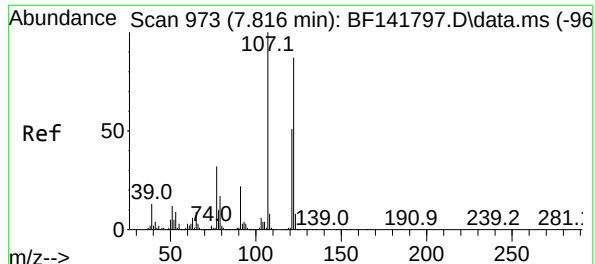
Tgt Ion: 82 Resp: 2297900  
Ion Ratio Lower Upper  
82 100  
95 7.2 5.8 8.8  
138 17.6 14.0 21.0



#26  
2-Nitrophenol  
Concen: 60.712 ng  
RT: 7.786 min Scan# 968  
Delta R.T. -0.001 min  
Lab File: BF141799.D  
Acq: 27 Feb 2025 18:15

Tgt Ion: 139 Resp: 540018  
Ion Ratio Lower Upper  
139 100  
109 30.6 24.1 36.1  
65 54.5 42.3 63.5





#27

2,4-Dimethylphenol

Concen: 57.912 ng

RT: 7.822 min Scan# 91

Delta R.T. 0.006 min

Lab File: BF141799.D

Acq: 27 Feb 2025 18:15

Instrument :

BNA\_F

ClientSampleId :

SSTDICC060

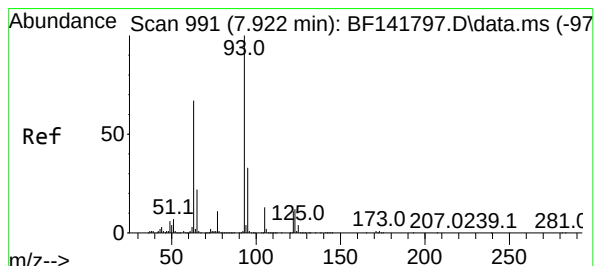
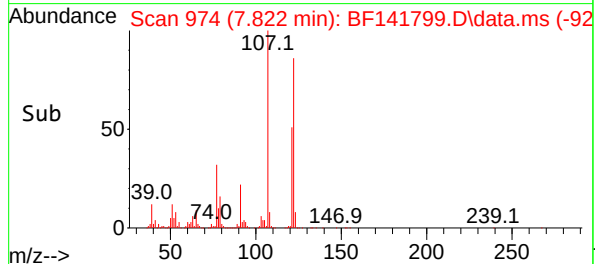
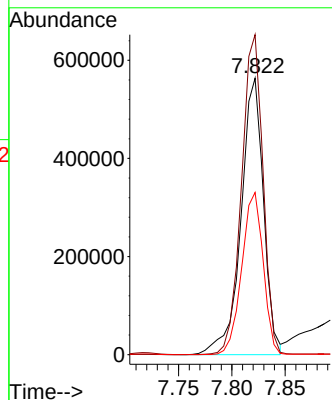
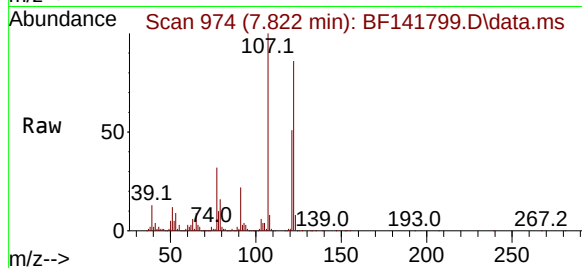
Tgt Ion:122 Resp: 832135

Ion Ratio Lower Upper

122 100

107 115.7 92.5 138.7

121 58.7 47.1 70.7



#28

bis(2-Chloroethoxy)methane

Concen: 57.094 ng

RT: 7.922 min Scan# 991

Delta R.T. -0.000 min

Lab File: BF141799.D

Acq: 27 Feb 2025 18:15

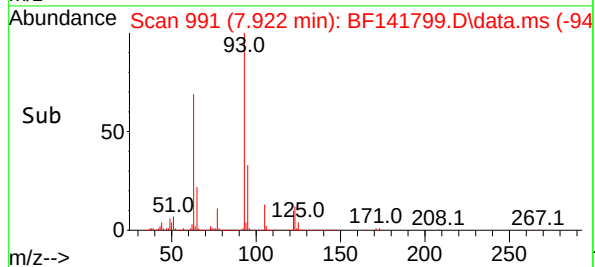
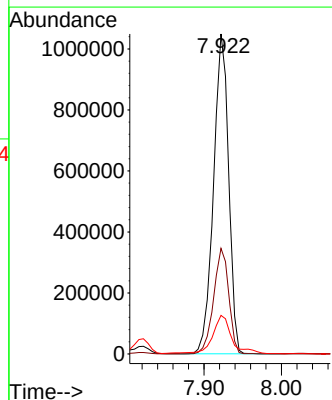
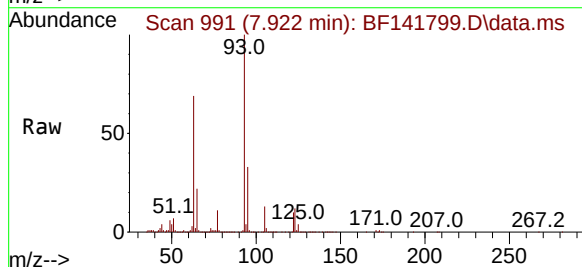
Tgt Ion: 93 Resp: 1423641

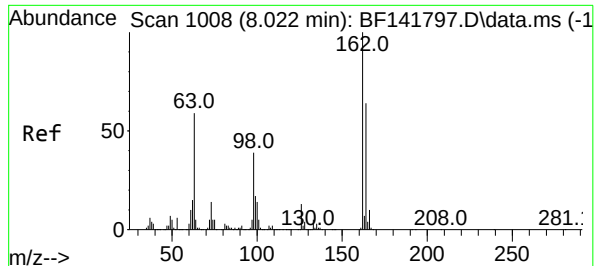
Ion Ratio Lower Upper

93 100

95 33.0 26.5 39.7

123 12.1 10.0 15.0





#29

2,4-Dichlorophenol

Concen: 59.211 ng

RT: 8.028 min Scan# 1008

Delta R.T. 0.006 min

Lab File: BF141799.D

Acq: 27 Feb 2025 18:15

Instrument :

BNA\_F

ClientSampleId :

SSTDICC060

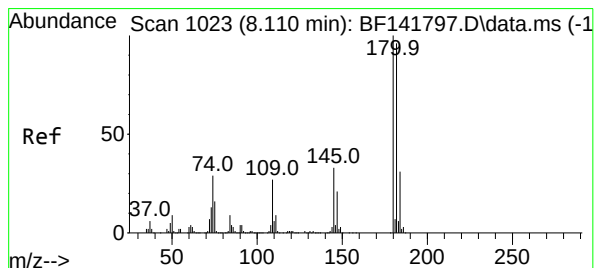
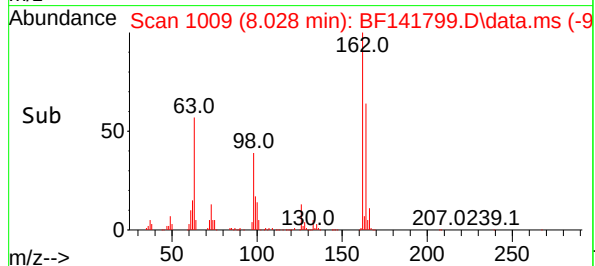
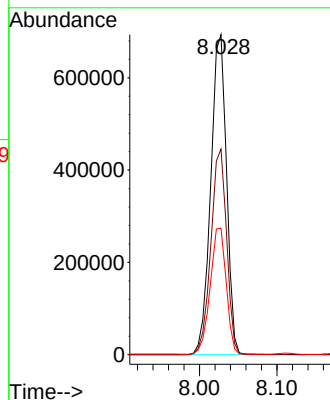
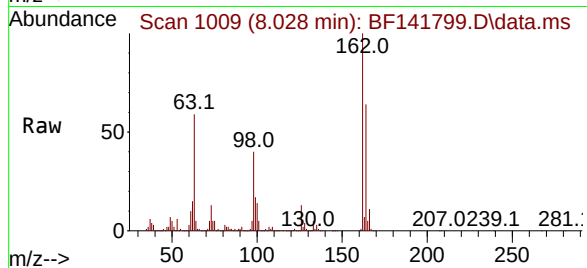
Tgt Ion:162 Resp: 981508

Ion Ratio Lower Upper

162 100

164 64.2 44.3 84.3

98 39.5 19.6 59.6



#30

1,2,4-Trichlorobenzene

Concen: 57.885 ng

RT: 8.116 min Scan# 1024

Delta R.T. 0.006 min

Lab File: BF141799.D

Acq: 27 Feb 2025 18:15

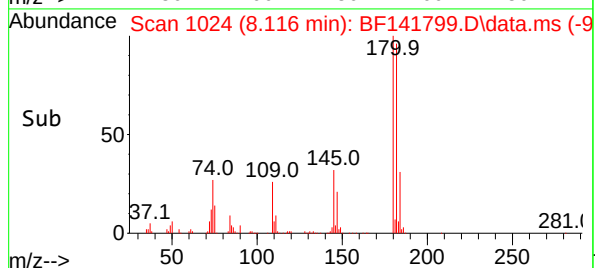
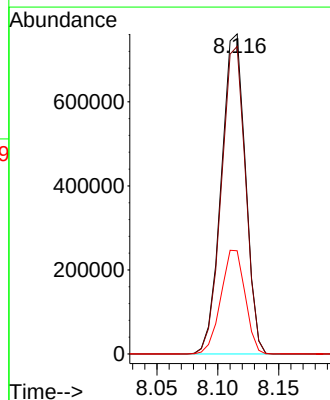
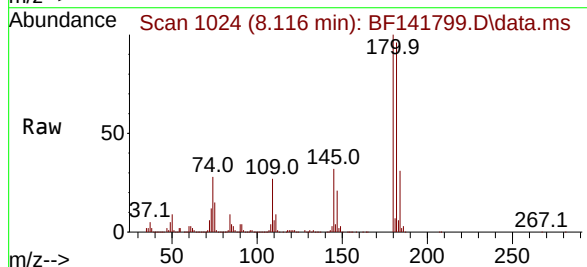
Tgt Ion:180 Resp: 1051434

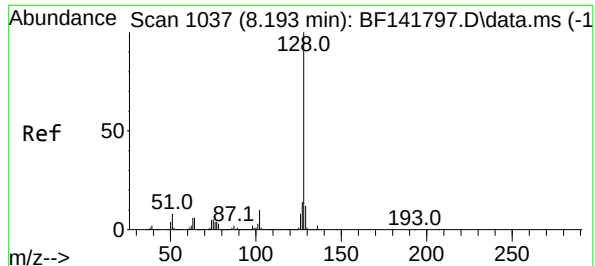
Ion Ratio Lower Upper

180 100

182 96.1 76.8 115.2

145 32.2 26.4 39.6

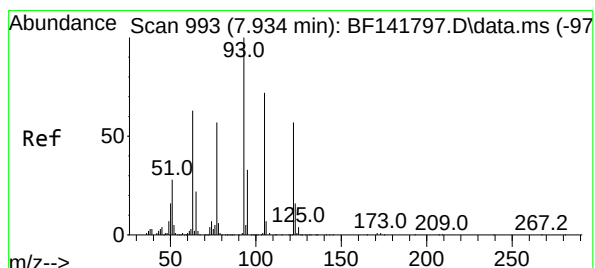
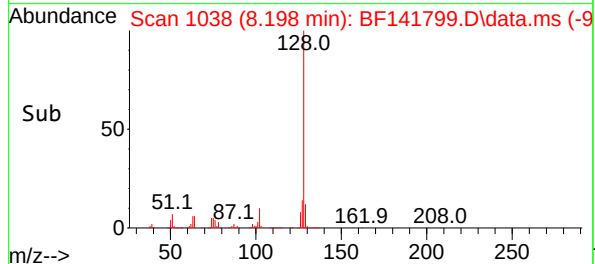
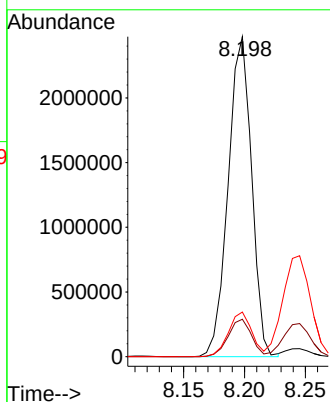
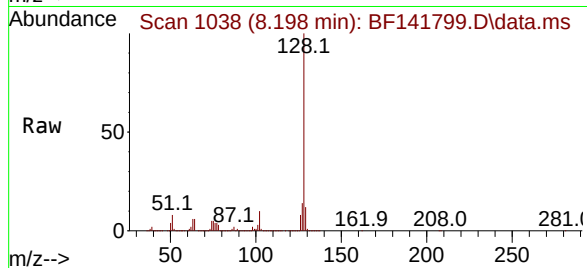




#31  
Naphthalene  
Concen: 55.427 ng  
RT: 8.198 min Scan# 1037  
Delta R.T. 0.006 min  
Lab File: BF141799.D  
Acq: 27 Feb 2025 18:15

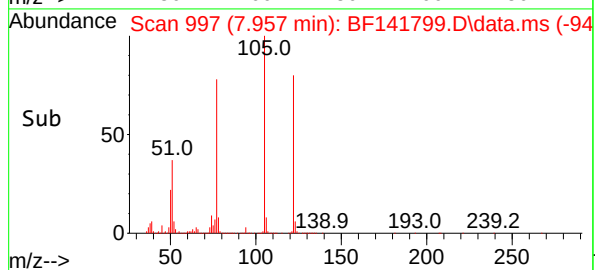
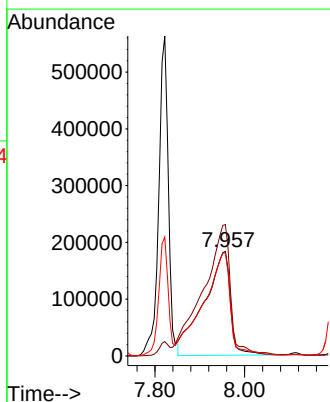
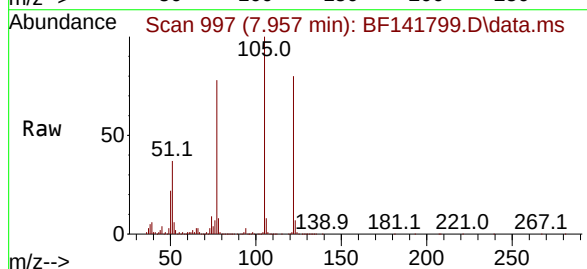
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC060

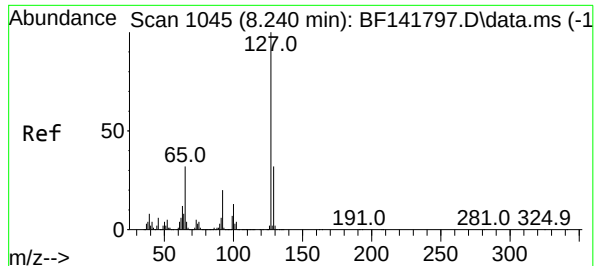
Tgt Ion:128 Resp: 3313144  
Ion Ratio Lower Upper  
128 100  
129 11.7 9.2 13.8  
127 13.9 11.0 16.4



#32  
Benzoic acid  
Concen: 60.158 ng  
RT: 7.957 min Scan# 997  
Delta R.T. 0.023 min  
Lab File: BF141799.D  
Acq: 27 Feb 2025 18:15

Tgt Ion:122 Resp: 749284  
Ion Ratio Lower Upper  
122 100  
105 125.7 105.8 145.8  
77 98.5 79.9 119.9

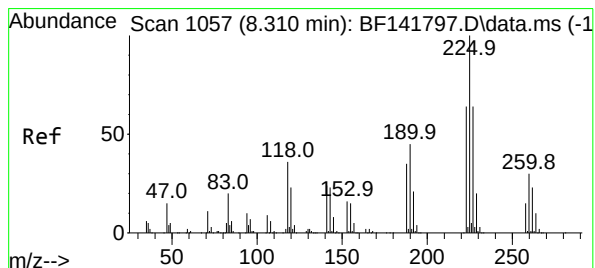
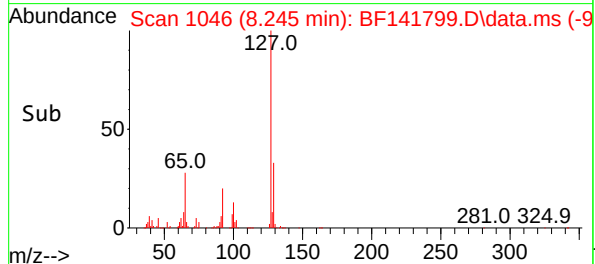
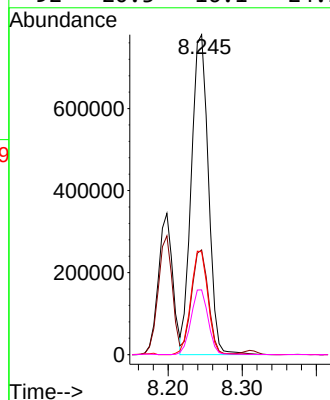
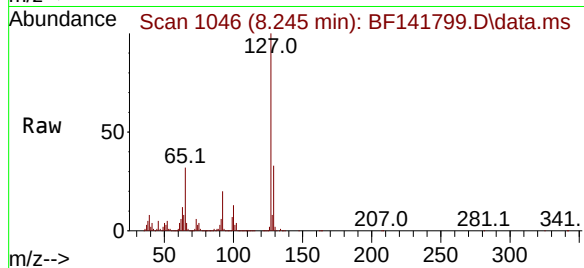




#33  
4-Chloroaniline  
Concen: 56.723 ng  
RT: 8.245 min Scan# 1046  
Delta R.T. 0.006 min  
Lab File: BF141799.D  
Acq: 27 Feb 2025 18:15

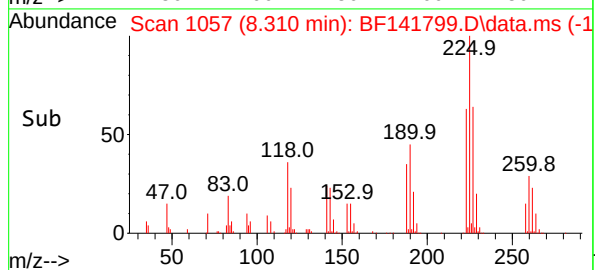
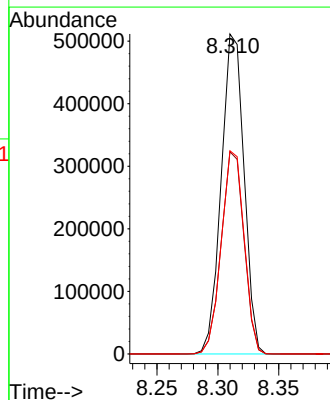
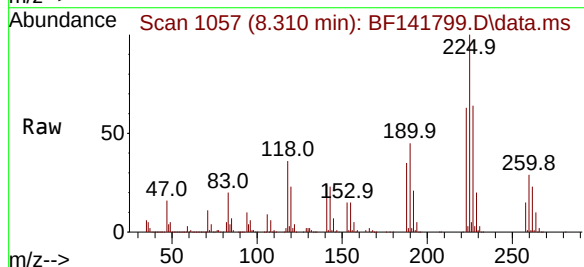
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC060

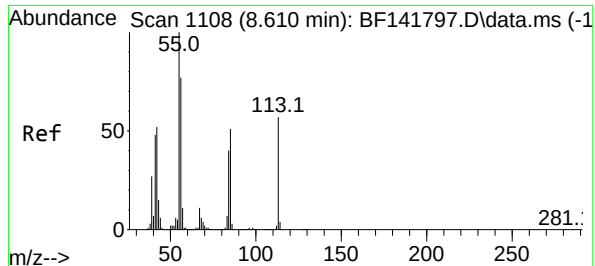
Tgt Ion:127 Resp: 1243216  
Ion Ratio Lower Upper  
127 100  
129 32.8 26.1 39.1  
65 32.2 25.7 38.5  
92 20.3 16.1 24.1



#34  
Hexachlorobutadiene  
Concen: 59.082 ng  
RT: 8.310 min Scan# 1057  
Delta R.T. -0.000 min  
Lab File: BF141799.D  
Acq: 27 Feb 2025 18:15

Tgt Ion:225 Resp: 666891  
Ion Ratio Lower Upper  
225 100  
223 63.2 51.4 77.2  
227 63.5 51.6 77.4

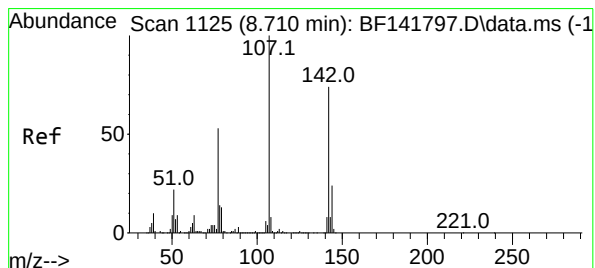
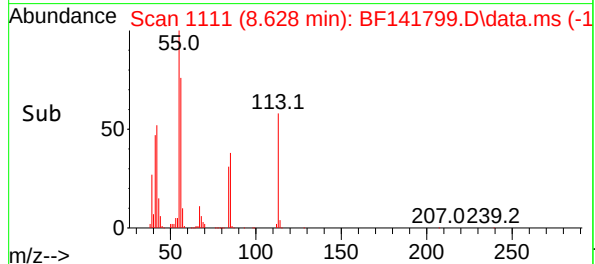
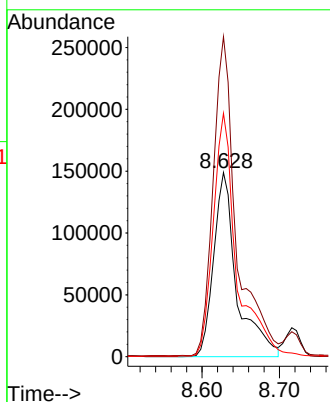
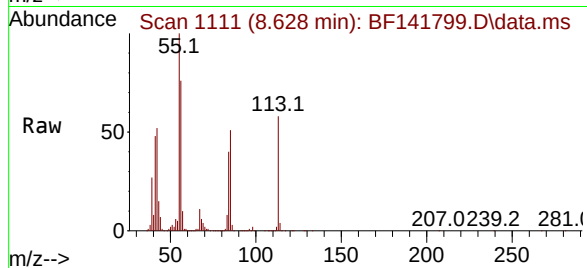




#35  
Caprolactam  
Concen: 60.671 ng  
RT: 8.628 min Scan# 1111  
Delta R.T. 0.018 min  
Lab File: BF141799.D  
Acq: 27 Feb 2025 18:15

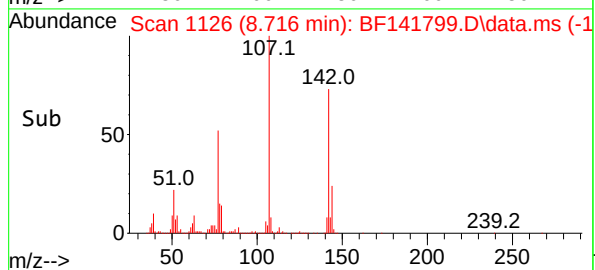
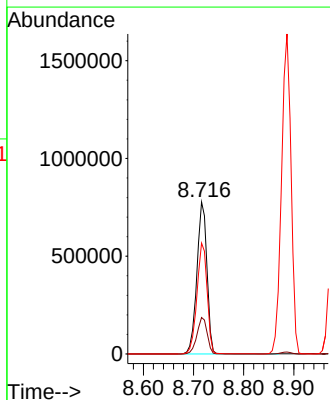
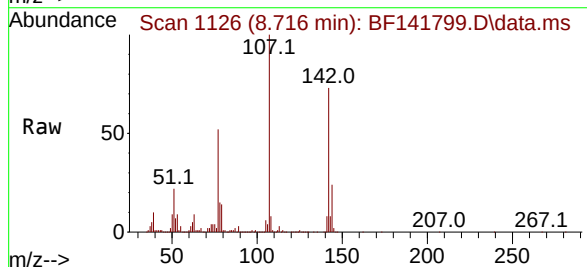
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC060

Tgt Ion:113 Resp: 309453  
Ion Ratio Lower Upper  
113 100  
55 173.8 155.6 195.6  
56 132.2 114.6 154.6

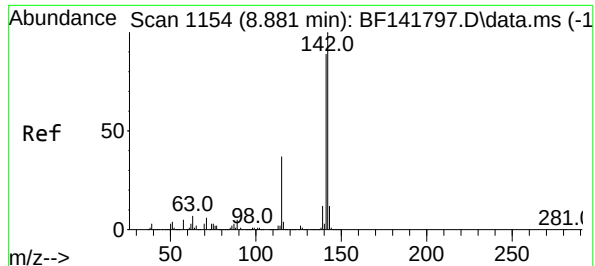


#36  
4-Chloro-3-methylphenol  
Concen: 58.783 ng  
RT: 8.716 min Scan# 1126  
Delta R.T. 0.006 min  
Lab File: BF141799.D  
Acq: 27 Feb 2025 18:15

Tgt Ion:107 Resp: 1082457  
Ion Ratio Lower Upper  
107 100  
144 24.0 19.4 29.0  
142 73.0 59.4 89.0



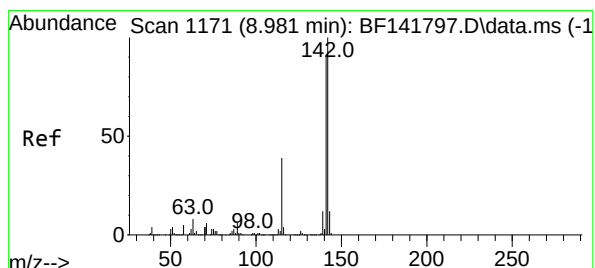
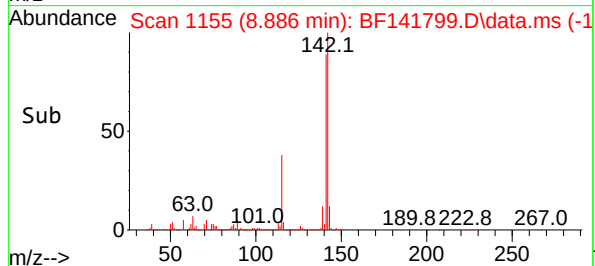
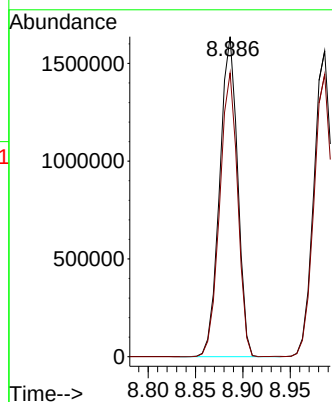
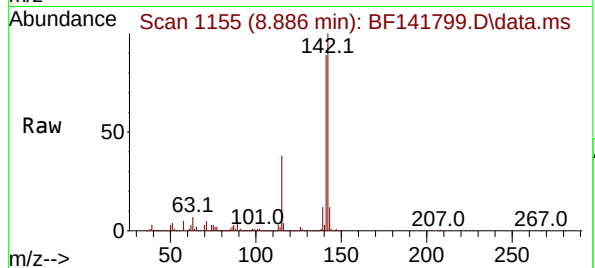




#37  
2-Methylnaphthalene  
Concen: 55.115 ng  
RT: 8.886 min Scan# 1154  
Delta R.T. 0.006 min  
Lab File: BF141799.D  
Acq: 27 Feb 2025 18:15

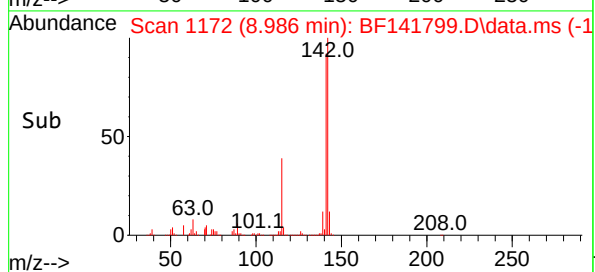
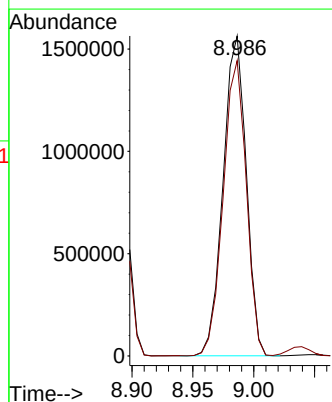
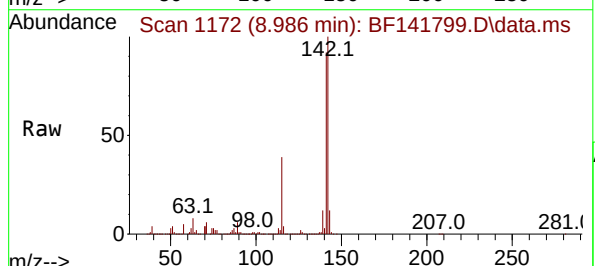
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC060

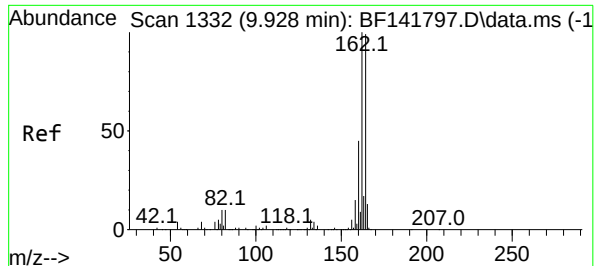
Tgt Ion:142 Resp: 2160902  
Ion Ratio Lower Upper  
142 100  
141 88.7 71.1 106.7



#38  
1-Methylnaphthalene  
Concen: 55.054 ng  
RT: 8.986 min Scan# 1172  
Delta R.T. 0.006 min  
Lab File: BF141799.D  
Acq: 27 Feb 2025 18:15

Tgt Ion:142 Resp: 2071154  
Ion Ratio Lower Upper  
142 100  
141 92.3 73.1 109.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.928 min Scan# 1183

Delta R.T. -0.000 min

Lab File: BF141799.D

Acq: 27 Feb 2025 18:15

Instrument :

BNA\_F

ClientSampleId :

SSTDICC060

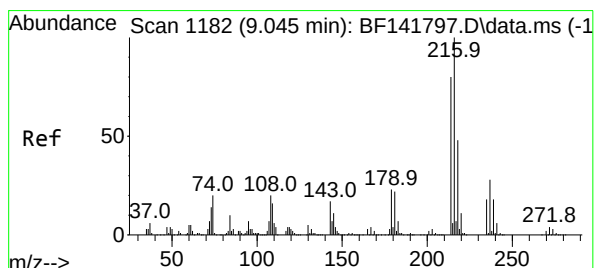
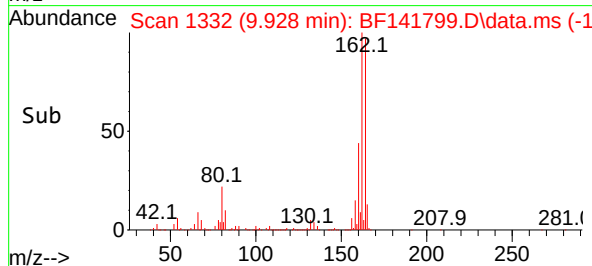
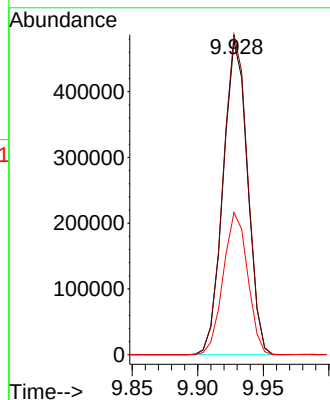
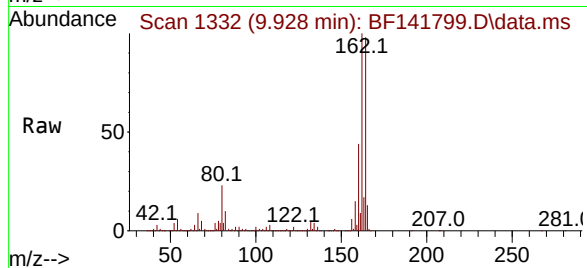
Tgt Ion:164 Resp: 617087

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

|     |     |  |  |
|-----|-----|--|--|
| 164 | 100 |  |  |
|-----|-----|--|--|

|     |       |      |       |
|-----|-------|------|-------|
| 162 | 102.0 | 80.6 | 120.8 |
|-----|-------|------|-------|

|     |      |      |      |
|-----|------|------|------|
| 160 | 45.3 | 36.3 | 54.5 |
|-----|------|------|------|



#40

1,2,4,5-Tetrachlorobenzene

Concen: 57.477 ng

RT: 9.051 min Scan# 1183

Delta R.T. 0.006 min

Lab File: BF141799.D

Acq: 27 Feb 2025 18:15

Tgt Ion:216 Resp: 1024373

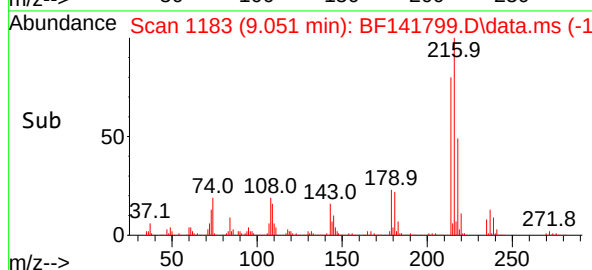
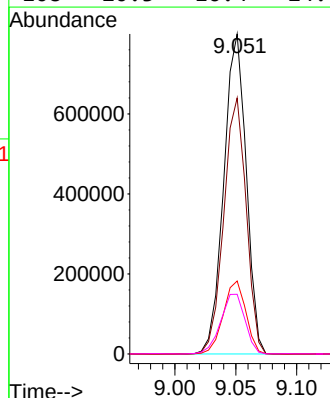
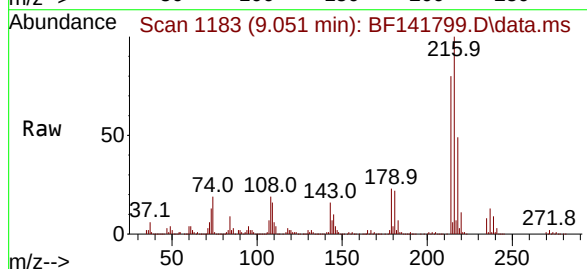
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
|-----|-------|-------|-------|

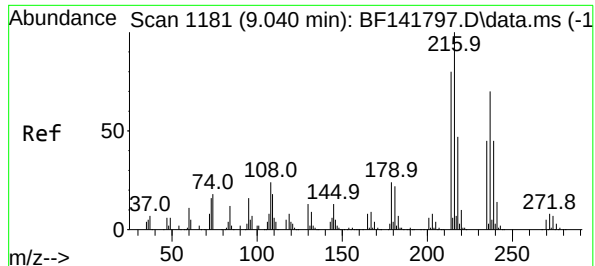
|     |     |  |  |
|-----|-----|--|--|
| 216 | 100 |  |  |
|-----|-----|--|--|

|     |      |      |      |
|-----|------|------|------|
| 214 | 79.8 | 63.5 | 95.3 |
|-----|------|------|------|

|     |      |      |      |
|-----|------|------|------|
| 179 | 23.0 | 18.1 | 27.1 |
|-----|------|------|------|

|     |      |      |      |
|-----|------|------|------|
| 108 | 20.3 | 16.4 | 24.6 |
|-----|------|------|------|

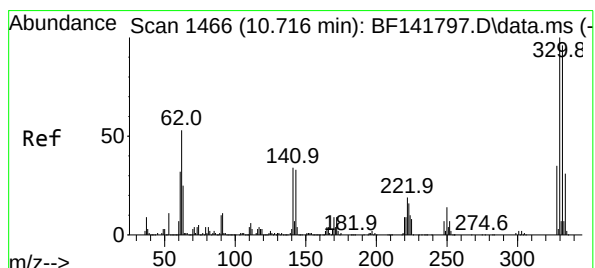
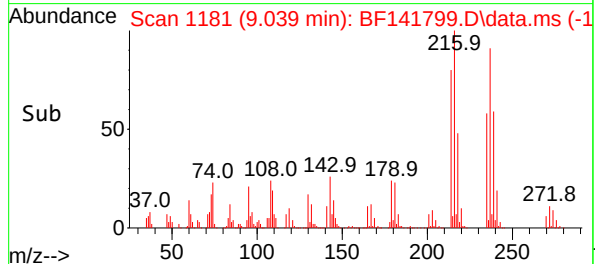
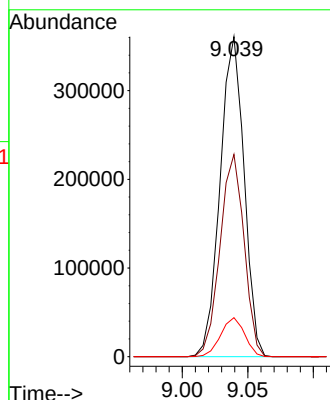
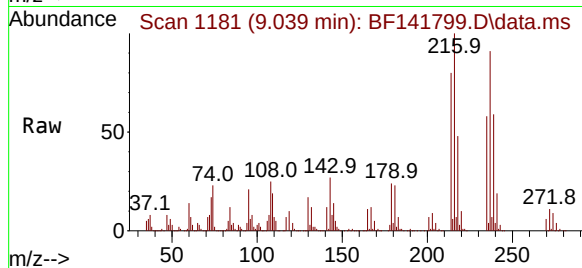




#41  
Hexachlorocyclopentadiene  
Concen: 61.586 ng  
RT: 9.039 min Scan# 1181  
Delta R.T. -0.000 min  
Lab File: BF141799.D  
Acq: 27 Feb 2025 18:15

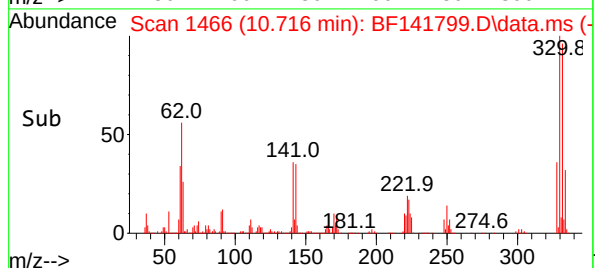
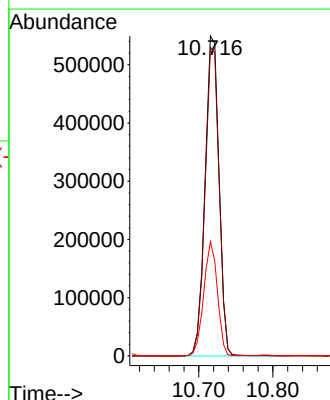
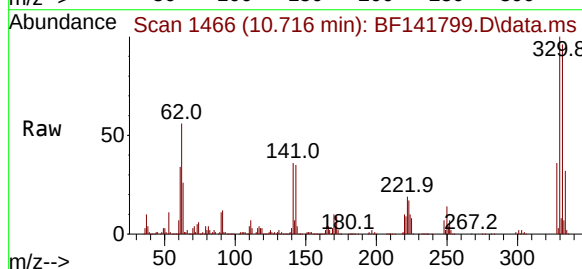
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC060

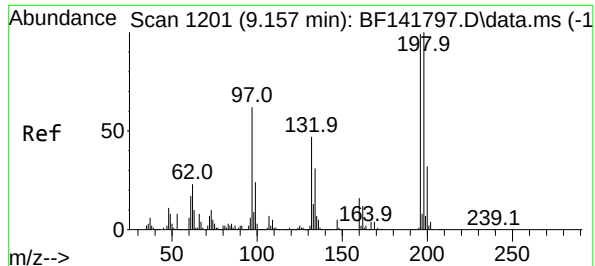
Tgt Ion:237 Resp: 458054  
Ion Ratio Lower Upper  
237 100  
235 63.2 43.3 83.3  
272 12.2 0.0 31.9



#42  
2,4,6-Tribromophenol  
Concen: 125.191 ng  
RT: 10.716 min Scan# 1466  
Delta R.T. -0.000 min  
Lab File: BF141799.D  
Acq: 27 Feb 2025 18:15

Tgt Ion:330 Resp: 725271  
Ion Ratio Lower Upper  
330 100  
332 96.7 76.6 115.0  
141 34.9 29.0 43.4





#43

2,4,6-Trichlorophenol

Concen: 59.220 ng

RT: 9.157 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF141799.D

Acq: 27 Feb 2025 18:15

Instrument :

BNA\_F

ClientSampleId :

SSTDICC060

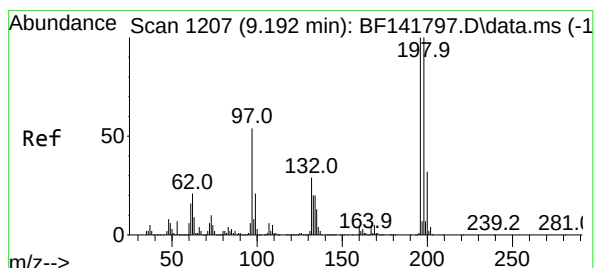
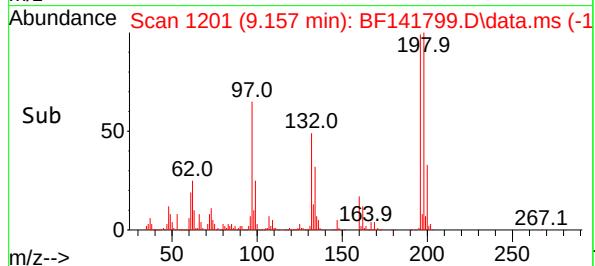
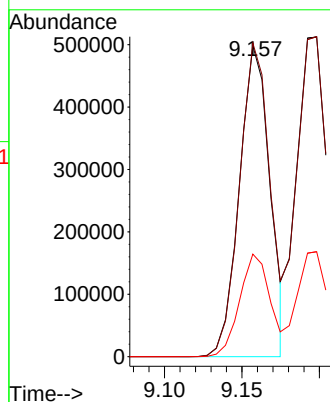
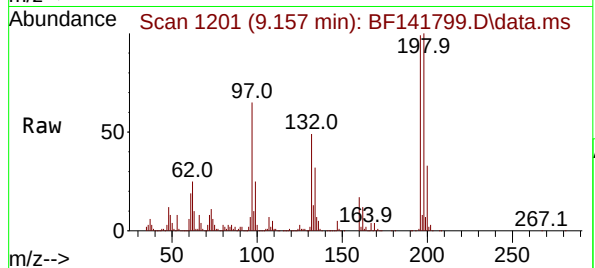
Tgt Ion:196 Resp: 681760

Ion Ratio Lower Upper

196 100

198 100.8 80.4 120.6

200 33.0 25.7 38.5



#44

2,4,5-Trichlorophenol

Concen: 61.725 ng

RT: 9.198 min Scan# 1208

Delta R.T. 0.006 min

Lab File: BF141799.D

Acq: 27 Feb 2025 18:15

Tgt Ion:196 Resp: 703662

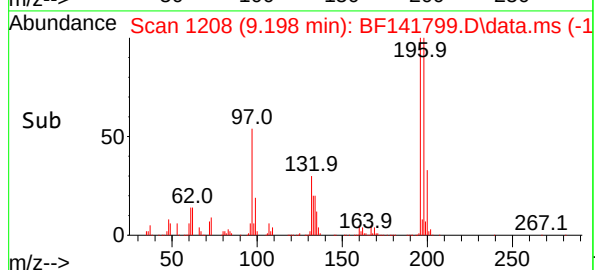
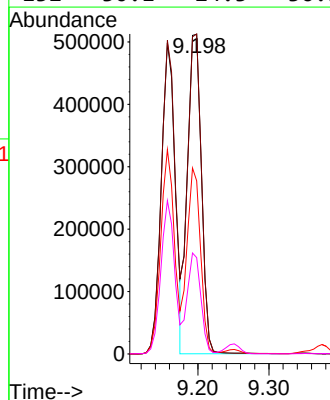
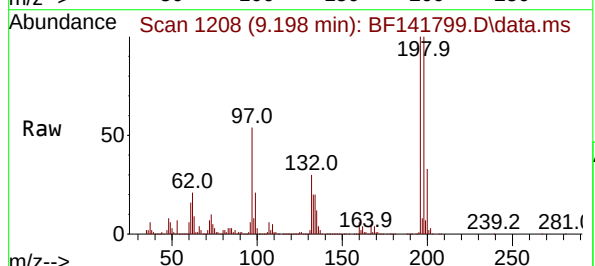
Ion Ratio Lower Upper

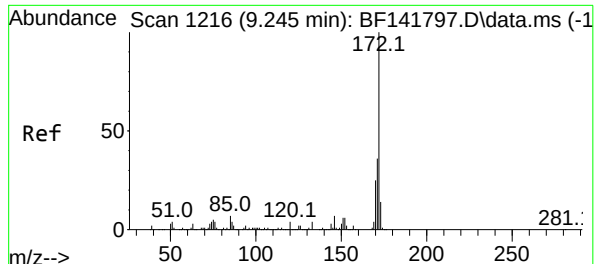
196 100

198 100.1 79.7 119.5

97 54.1 44.2 66.2

132 30.1 24.3 36.5

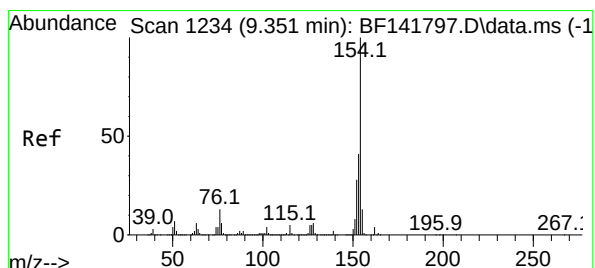
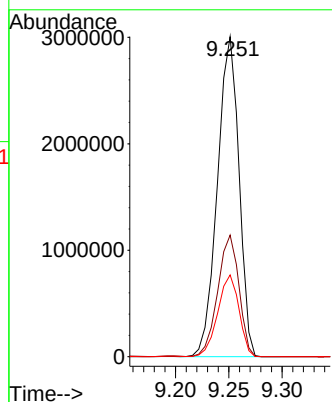
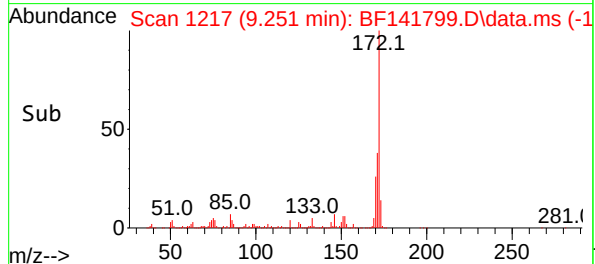
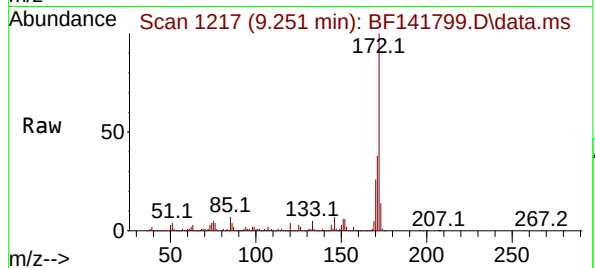




#45  
2-Fluorobiphenyl  
Concen: 109.742 ng  
RT: 9.251 min Scan# 1217  
Delta R.T. 0.006 min  
Lab File: BF141799.D  
Acq: 27 Feb 2025 18:15

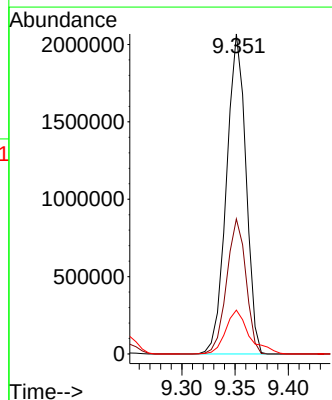
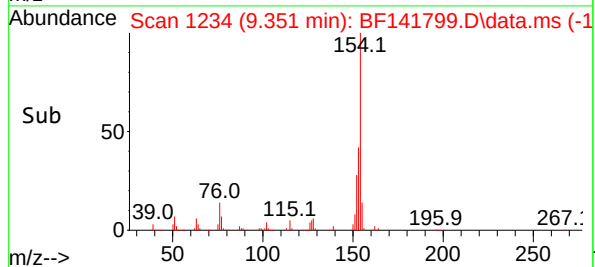
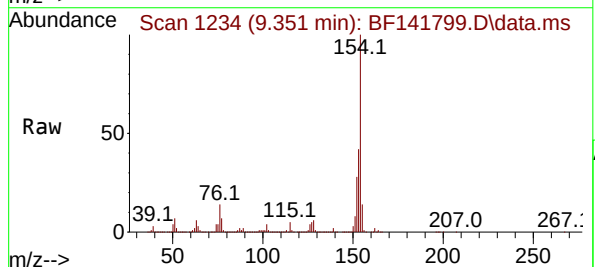
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC060

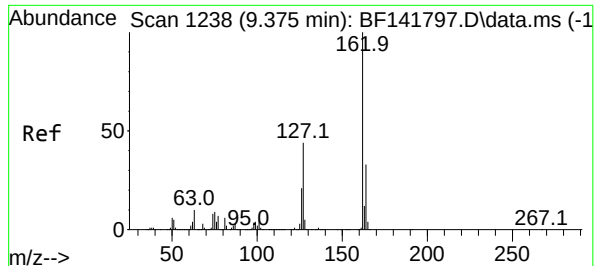
Tgt Ion:172 Resp: 4223426  
Ion Ratio Lower Upper  
172 100  
171 38.0 29.2 43.8  
170 25.5 19.7 29.5



#46  
1,1'-Biphenyl  
Concen: 55.911 ng  
RT: 9.351 min Scan# 1234  
Delta R.T. -0.000 min  
Lab File: BF141799.D  
Acq: 27 Feb 2025 18:15

Tgt Ion:154 Resp: 2626139  
Ion Ratio Lower Upper  
154 100  
153 42.2 21.4 61.4  
76 13.7 0.0 33.4





#47

2-Chloronaphthalene

Concen: 57.187 ng

RT: 9.375 min Scan# 1238

Delta R.T. -0.000 min

Lab File: BF141799.D

Acq: 27 Feb 2025 18:15

Instrument :

BNA\_F

ClientSampleId :

SSTDICC060

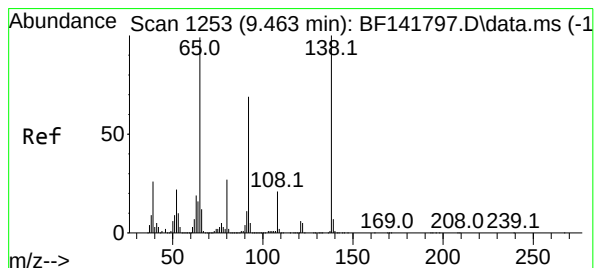
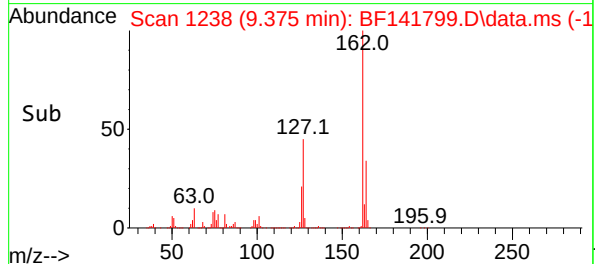
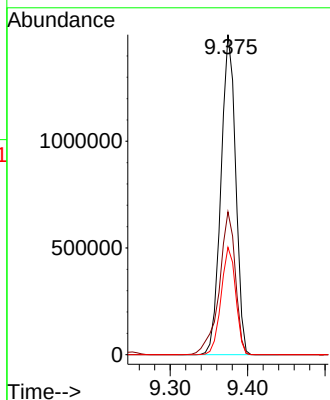
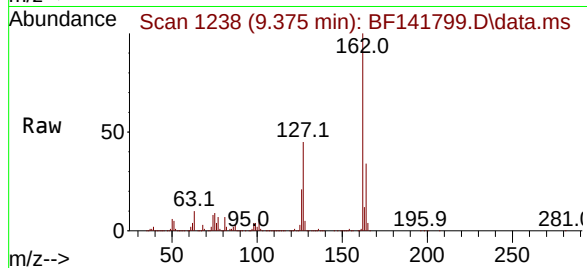
Tgt Ion:162 Resp: 1982513

Ion Ratio Lower Upper

162 100

127 44.6 35.0 52.6

164 33.5 26.6 40.0



#48

2-Nitroaniline

Concen: 60.902 ng

RT: 9.469 min Scan# 1254

Delta R.T. 0.006 min

Lab File: BF141799.D

Acq: 27 Feb 2025 18:15

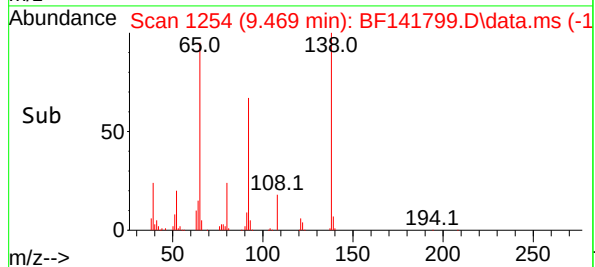
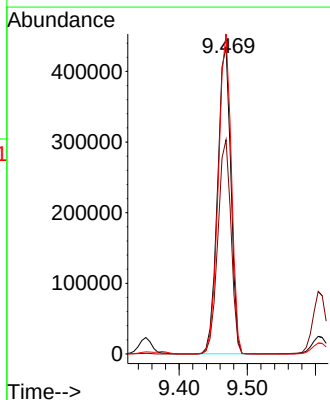
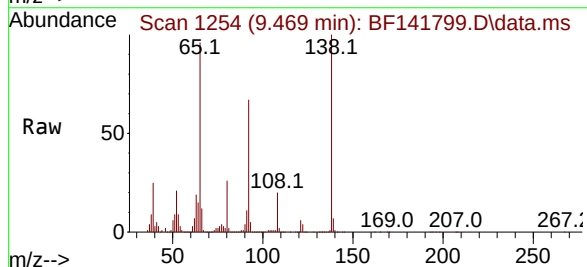
Tgt Ion: 65 Resp: 590092

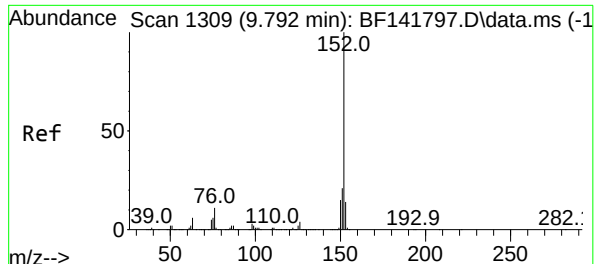
Ion Ratio Lower Upper

65 100

92 69.8 55.7 83.5

138 104.2 80.6 121.0





#49

Acenaphthylene

Concen: 56.845 ng

RT: 9.792 min Scan# 1309

Delta R.T. -0.000 min

Lab File: BF141799.D

Acq: 27 Feb 2025 18:15

Instrument :

BNA\_F

ClientSampleId :

SSTDICC060

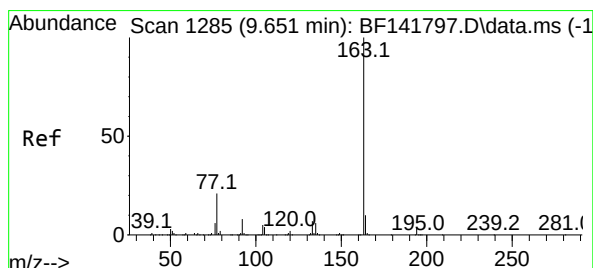
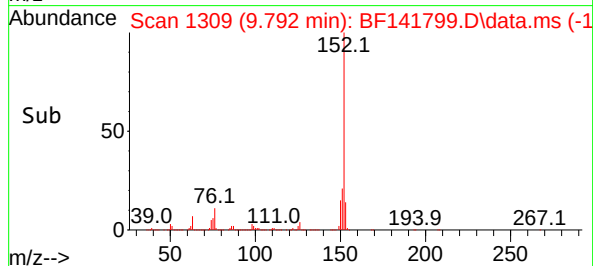
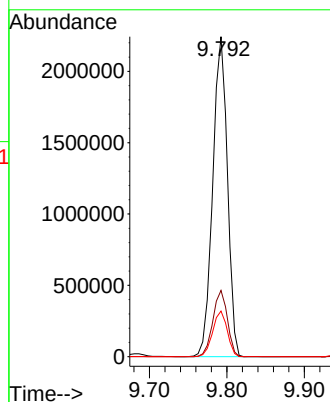
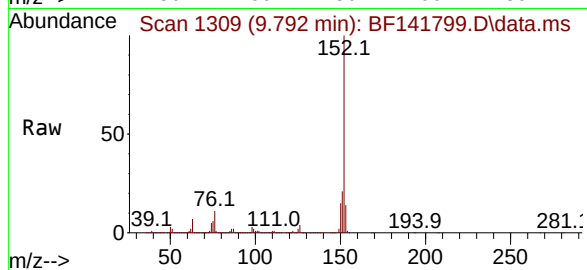
Tgt Ion:152 Resp: 2954653

Ion Ratio Lower Upper

152 100

151 20.7 16.6 24.8

153 14.3 11.2 16.8



#50

Dimethylphthalate

Concen: 57.581 ng

RT: 9.657 min Scan# 1286

Delta R.T. 0.006 min

Lab File: BF141799.D

Acq: 27 Feb 2025 18:15

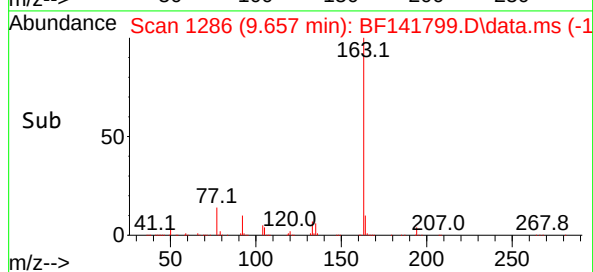
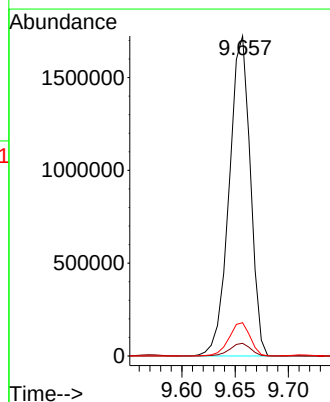
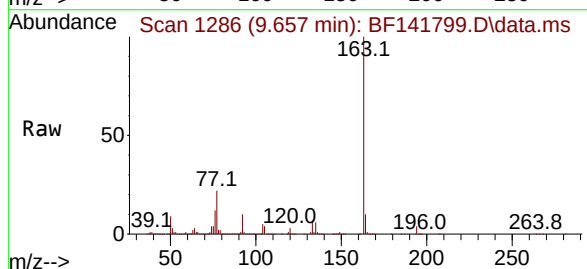
Tgt Ion:163 Resp: 2379542

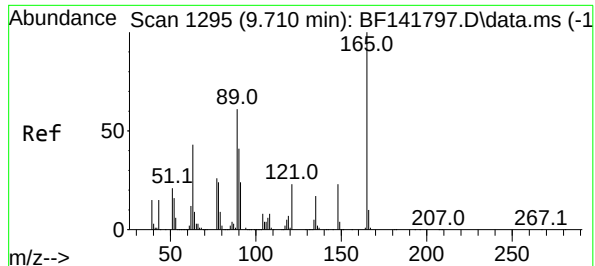
Ion Ratio Lower Upper

163 100

194 4.0 3.1 4.7

164 10.4 8.4 12.6

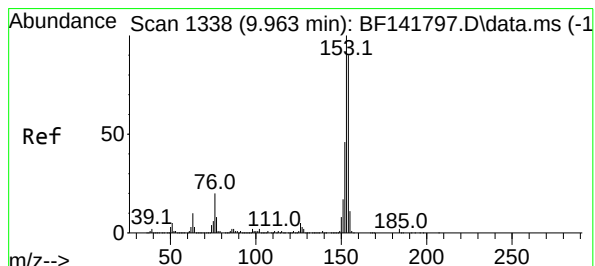
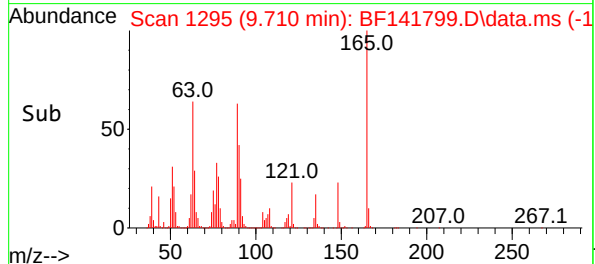
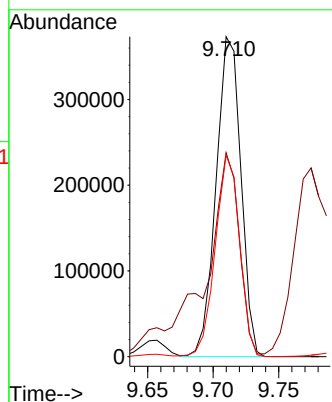
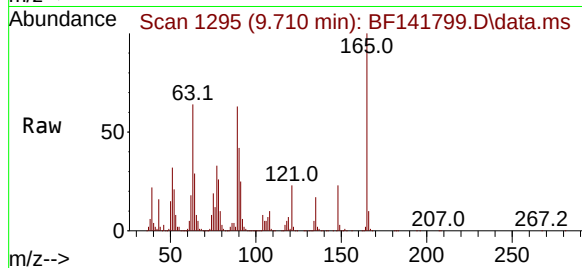




#51  
2,6-Dinitrotoluene  
Concen: 61.325 ng  
RT: 9.710 min Scan# 1295  
Delta R.T. -0.000 min  
Lab File: BF141799.D  
Acq: 27 Feb 2025 18:15

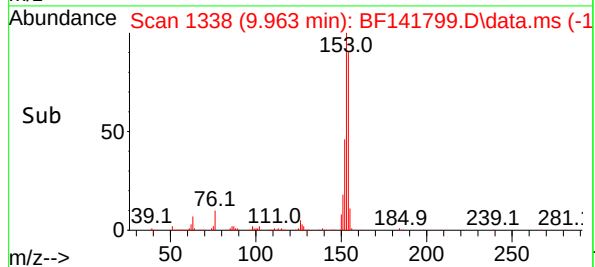
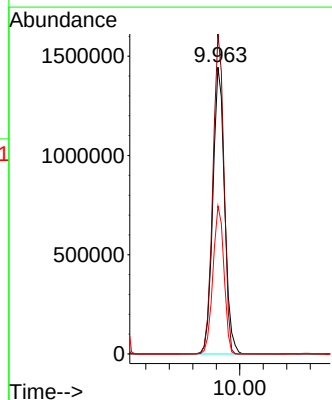
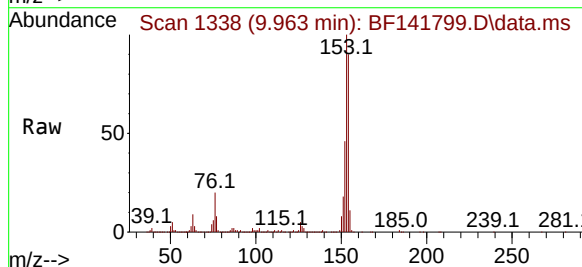
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC060

Tgt Ion:165 Resp: 491402  
Ion Ratio Lower Upper  
165 100  
63 63.8 49.5 74.3  
89 63.0 49.0 73.4

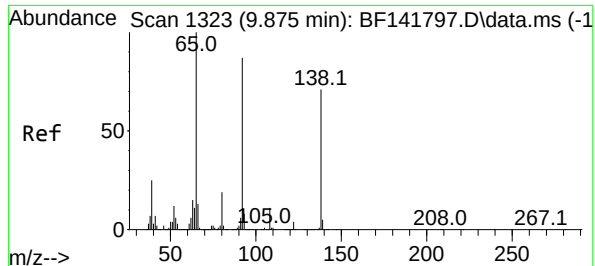


#52  
Acenaphthene  
Concen: 57.211 ng  
RT: 9.963 min Scan# 1338  
Delta R.T. -0.000 min  
Lab File: BF141799.D  
Acq: 27 Feb 2025 18:15

Tgt Ion:154 Resp: 2006502  
Ion Ratio Lower Upper  
154 100  
153 111.6 88.7 133.1  
152 51.6 40.9 61.3



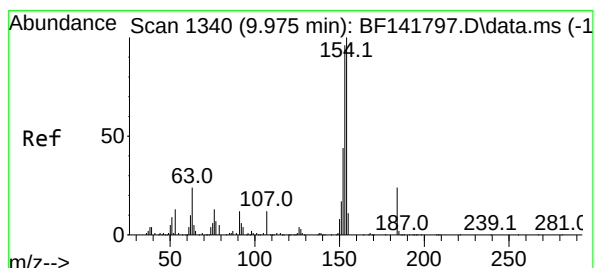
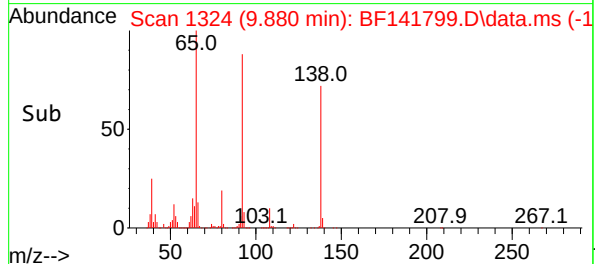
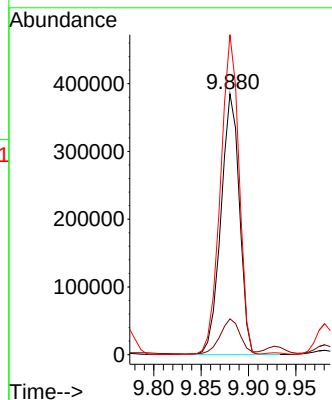
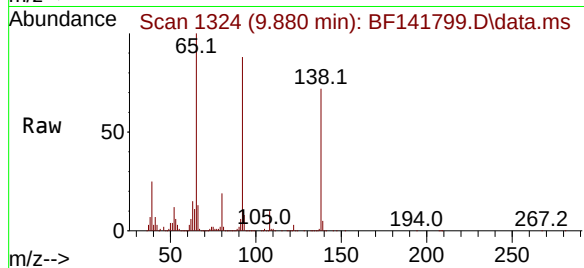




#53  
3-Nitroaniline  
Concen: 61.078 ng  
RT: 9.880 min Scan# 1324  
Delta R.T. 0.005 min  
Lab File: BF141799.D  
Acq: 27 Feb 2025 18:15

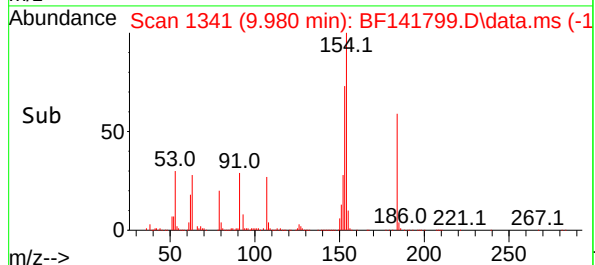
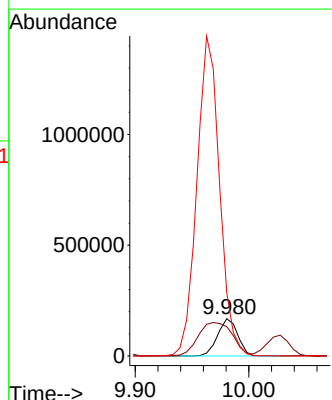
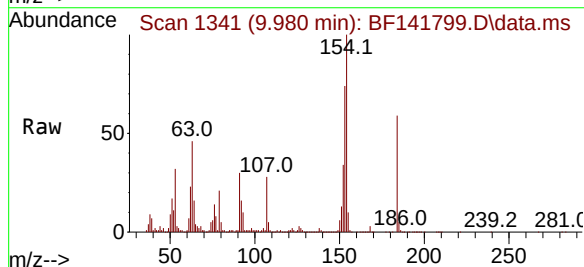
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC060

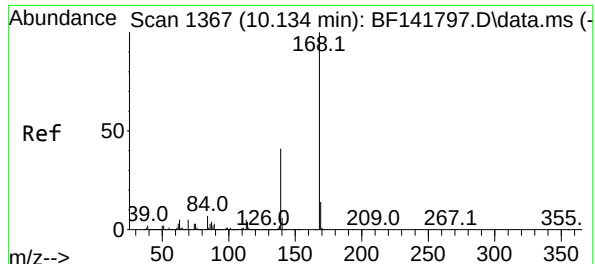
Tgt Ion:138 Resp: 521575  
Ion Ratio Lower Upper  
138 100  
108 13.7 12.7 19.1  
92 122.7 97.9 146.9



#54  
2,4-Dinitrophenol  
Concen: 62.312 ng  
RT: 9.980 min Scan# 1341  
Delta R.T. 0.005 min  
Lab File: BF141799.D  
Acq: 27 Feb 2025 18:15

Tgt Ion:184 Resp: 207307  
Ion Ratio Lower Upper  
184 100  
63 78.8 79.0 118.6#  
154 169.7 335.8 503.8#

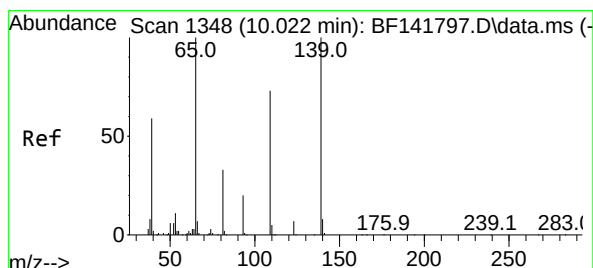
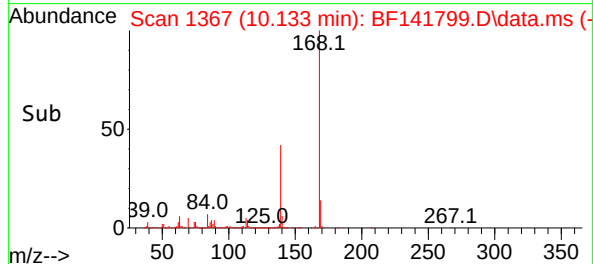
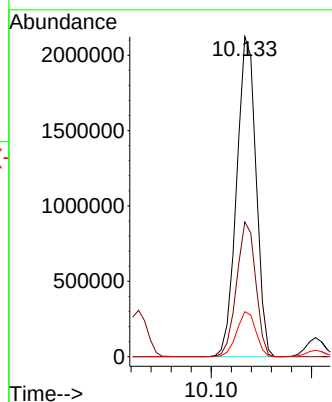
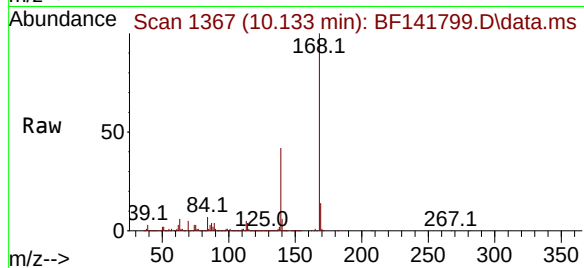




#55  
Dibenzenofuran  
Concen: 55.911 ng  
RT: 10.133 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BF141799.D  
Acq: 27 Feb 2025 18:15

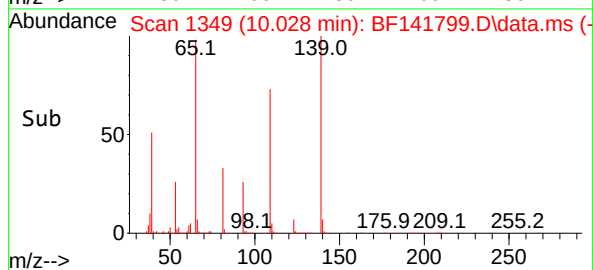
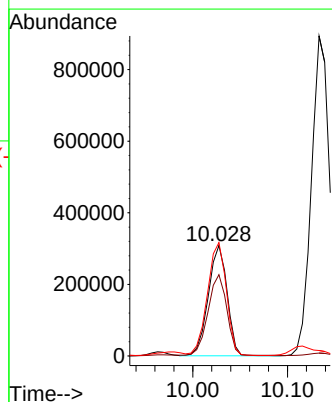
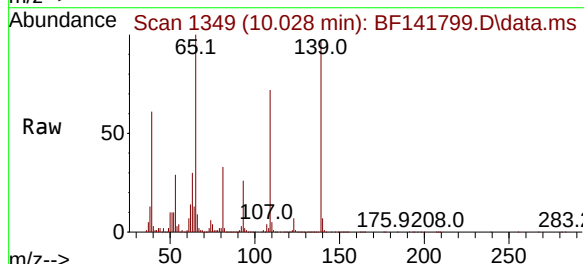
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC060

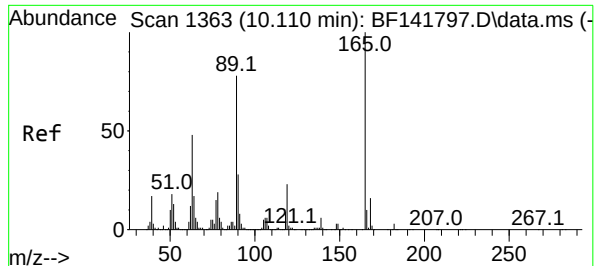
Tgt Ion:168 Resp: 2854091  
Ion Ratio Lower Upper  
168 100  
139 42.1 32.9 49.3  
169 14.1 11.1 16.7



#56  
4-Nitrophenol  
Concen: 69.564 ng  
RT: 10.028 min Scan# 1349  
Delta R.T. 0.006 min  
Lab File: BF141799.D  
Acq: 27 Feb 2025 18:15

Tgt Ion:139 Resp: 424581  
Ion Ratio Lower Upper  
139 100  
109 73.6 53.4 93.4  
65 102.7 82.1 122.1





#57

2,4-Dinitrotoluene

Concen: 61.246 ng

RT: 10.116 min Scan# 1363

Delta R.T. 0.006 min

Lab File: BF141799.D

Acq: 27 Feb 2025 18:15

Instrument :

BNA\_F

ClientSampleId :

SSTDICC060

Tgt Ion:165 Resp: 601539

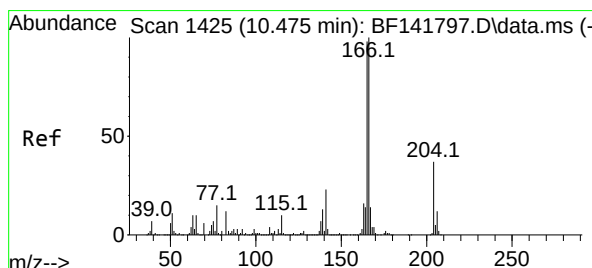
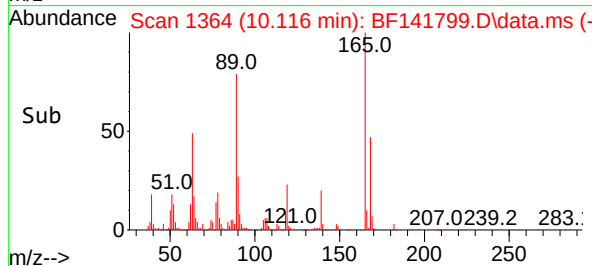
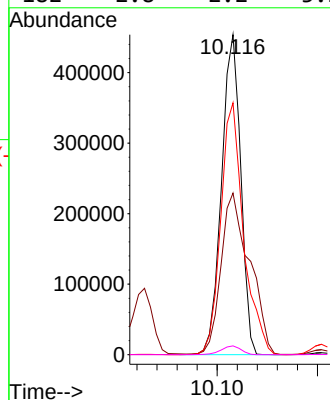
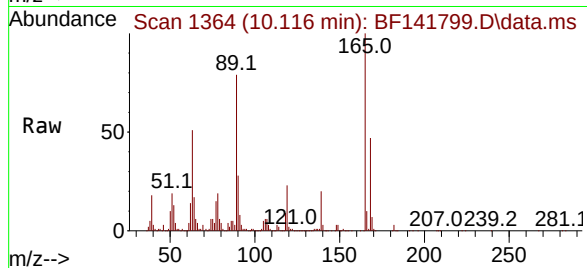
Ion Ratio Lower Upper

165 100

63 50.5 38.8 58.2

89 78.7 62.6 94.0

182 2.8 2.2 3.2



#58

Fluorene

Concen: 54.917 ng

RT: 10.480 min Scan# 1426

Delta R.T. 0.006 min

Lab File: BF141799.D

Acq: 27 Feb 2025 18:15

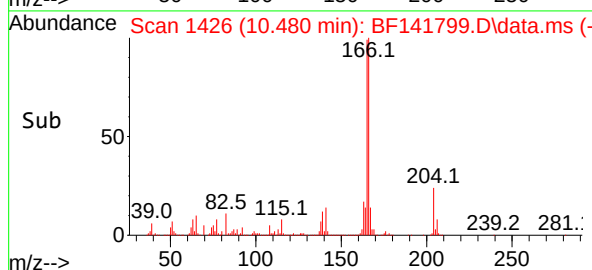
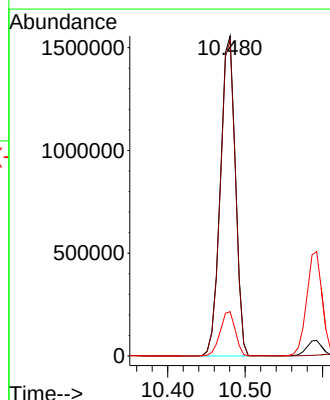
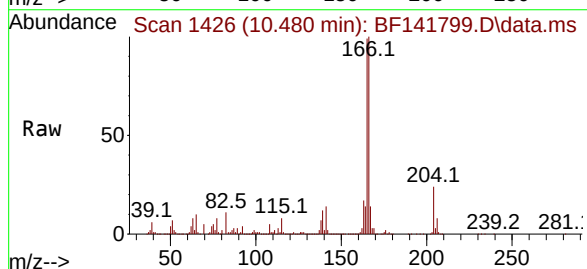
Tgt Ion:166 Resp: 2099887

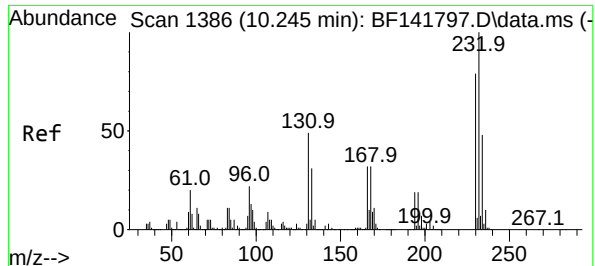
Ion Ratio Lower Upper

166 100

165 98.7 78.6 117.8

167 13.9 11.0 16.4

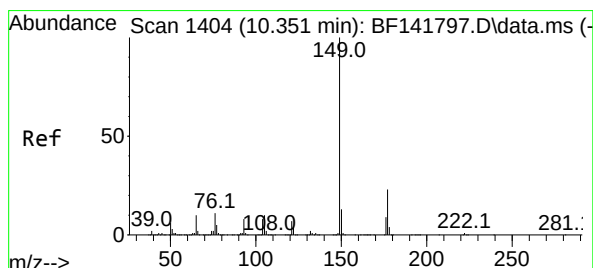
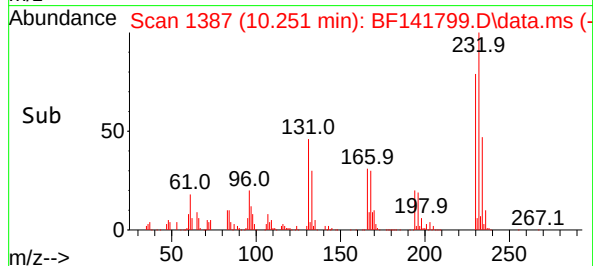
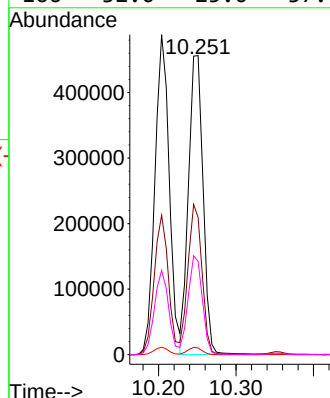
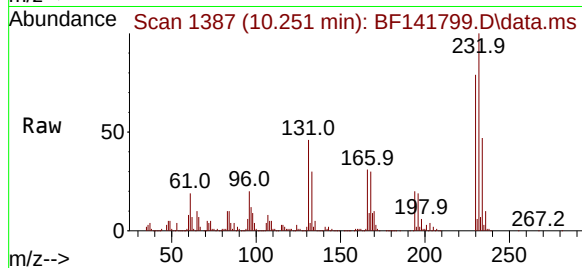




#59  
2,3,4,6-Tetrachlorophenol  
Concen: 60.159 ng  
RT: 10.251 min Scan# 1387  
Delta R.T. 0.006 min  
Lab File: BF141799.D  
Acq: 27 Feb 2025 18:15

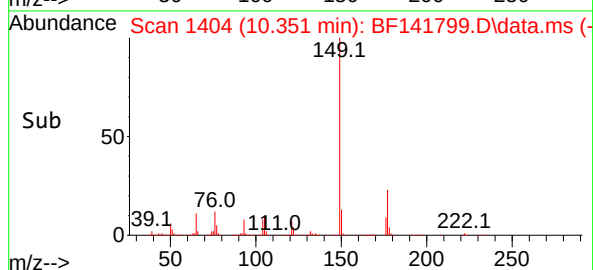
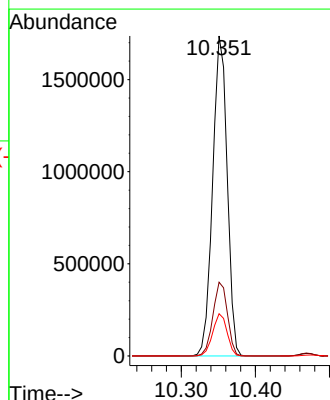
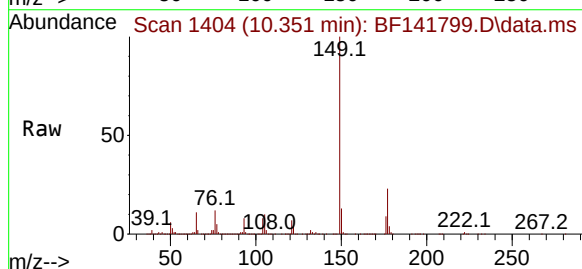
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC060

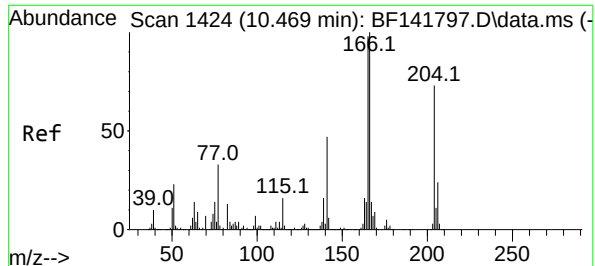
Tgt Ion:232 Resp: 596455  
Ion Ratio Lower Upper  
232 100  
131 47.9 37.8 56.8  
130 2.4 2.0 3.0  
166 32.0 25.0 37.4



#60  
Diethylphthalate  
Concen: 56.972 ng  
RT: 10.351 min Scan# 1404  
Delta R.T. -0.000 min  
Lab File: BF141799.D  
Acq: 27 Feb 2025 18:15

Tgt Ion:149 Resp: 2360216  
Ion Ratio Lower Upper  
149 100  
177 23.1 18.3 27.5  
150 13.2 10.3 15.5

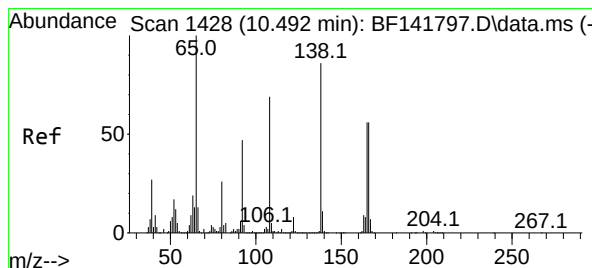
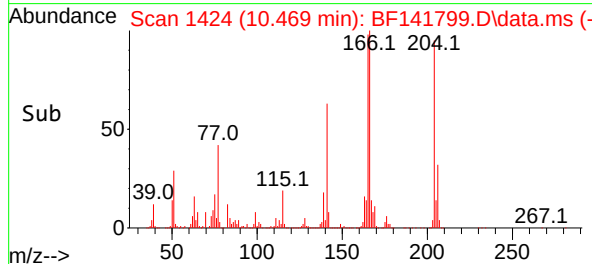
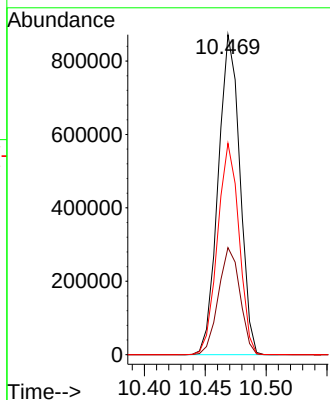
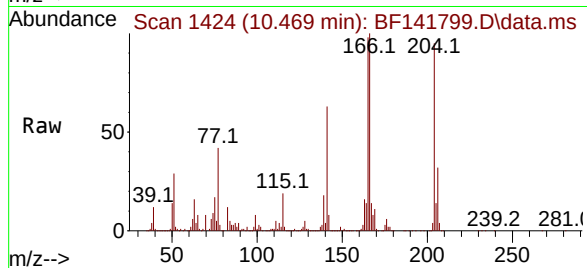




#61  
4-Chlorophenyl-phenylether  
Concen: 56.324 ng  
RT: 10.469 min Scan# 1424  
Delta R.T. -0.000 min  
Lab File: BF141799.D  
Acq: 27 Feb 2025 18:15

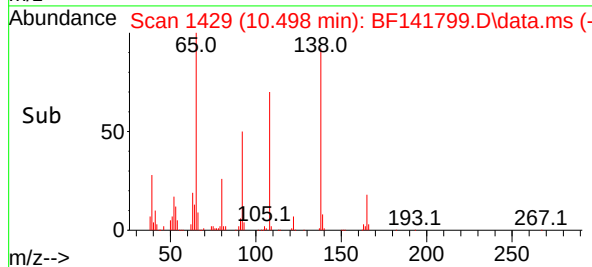
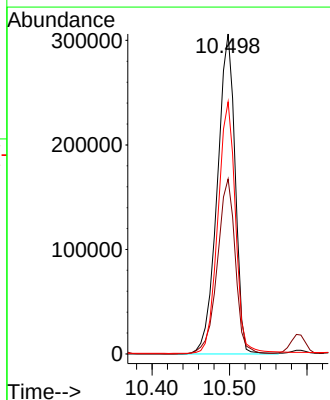
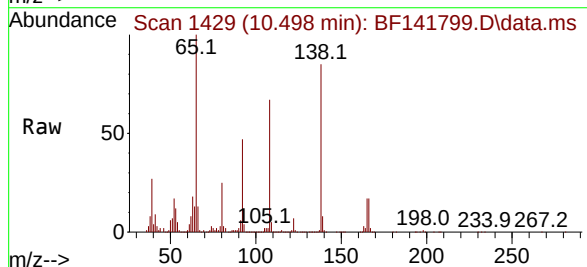
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC060

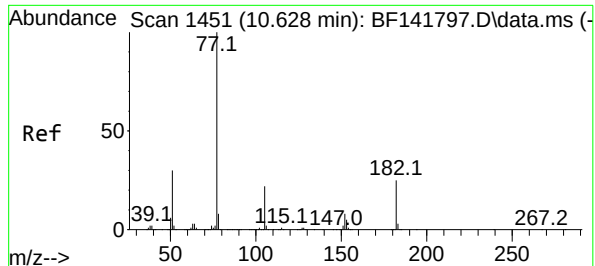
Tgt Ion:204 Resp: 1079059  
Ion Ratio Lower Upper  
204 100  
206 33.4 26.2 39.4  
141 66.0 51.7 77.5



#62  
4-Nitroaniline  
Concen: 69.546 ng  
RT: 10.498 min Scan# 1429  
Delta R.T. 0.006 min  
Lab File: BF141799.D  
Acq: 27 Feb 2025 18:15

Tgt Ion:138 Resp: 490806  
Ion Ratio Lower Upper  
138 100  
92 54.7 34.9 74.9  
108 78.8 59.6 99.6

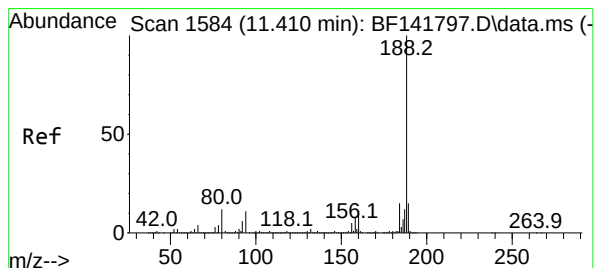
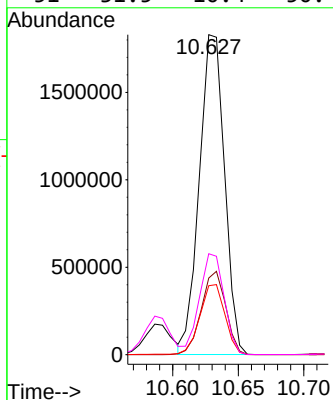
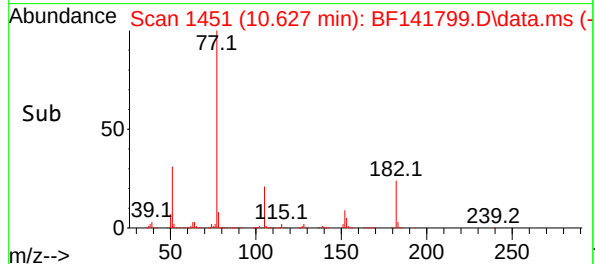
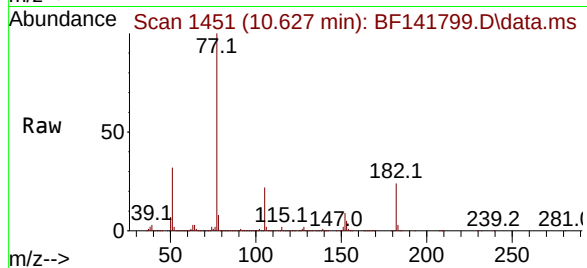




#63  
Azobenzene  
Concen: 56.242 ng  
RT: 10.627 min Scan# 1451  
Delta R.T. -0.000 min  
Lab File: BF141799.D  
Acq: 27 Feb 2025 18:15

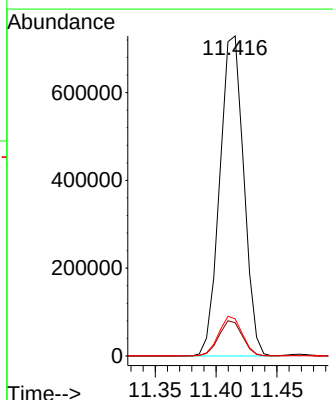
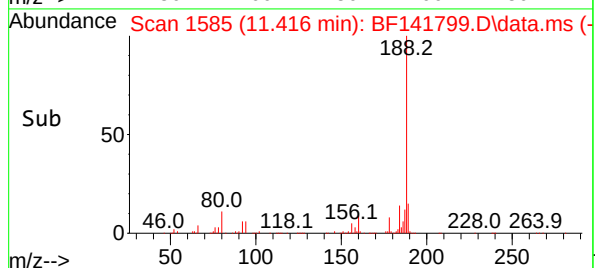
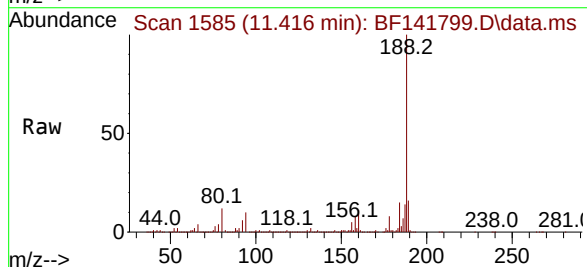
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC060

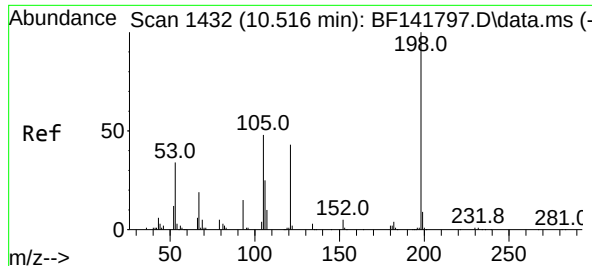
Tgt Ion: 77 Resp: 2453259  
Ion Ratio Lower Upper  
77 100  
182 23.9 4.2 44.2  
105 21.5 1.5 41.5  
51 31.5 10.4 50.4



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.416 min Scan# 1585  
Delta R.T. 0.006 min  
Lab File: BF141799.D  
Acq: 27 Feb 2025 18:15

Tgt Ion: 188 Resp: 999271  
Ion Ratio Lower Upper  
188 100  
94 10.4 8.9 13.3  
80 11.6 9.7 14.5





#65

4,6-Dinitro-2-methylphenol

Concen: 61.255 ng

RT: 10.522 min Scan# 1433

Delta R.T. 0.006 min

Lab File: BF141799.D

Acq: 27 Feb 2025 18:15

Instrument :

BNA\_F

ClientSampleId :

SSTDICC060

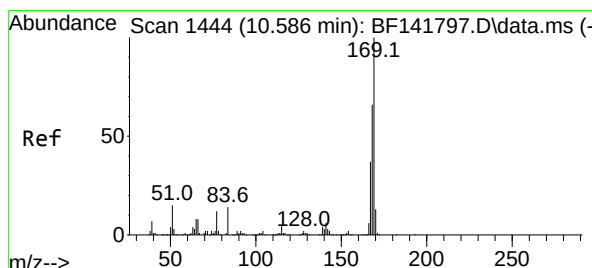
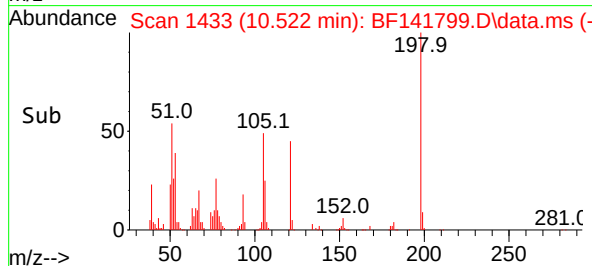
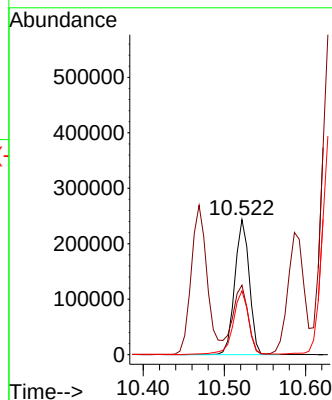
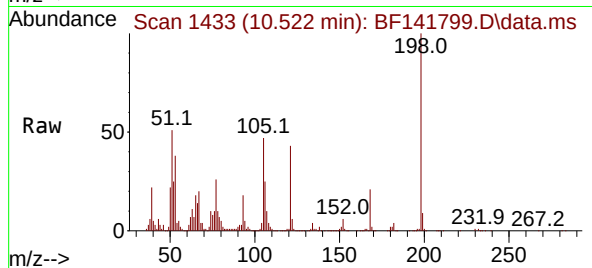
Tgt Ion:198 Resp: 300954

Ion Ratio Lower Upper

198 100

51 51.4 32.1 72.1

105 47.2 28.5 68.5



#66

n-Nitrosodiphenylamine

Concen: 56.913 ng

RT: 10.592 min Scan# 1445

Delta R.T. 0.006 min

Lab File: BF141799.D

Acq: 27 Feb 2025 18:15

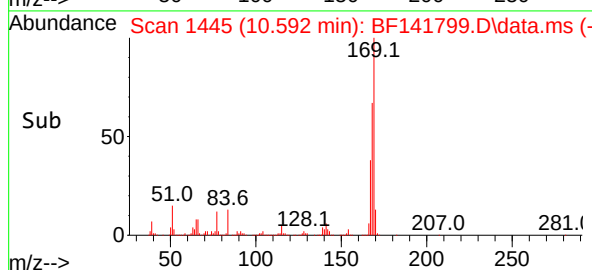
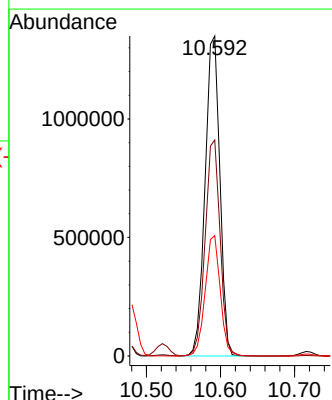
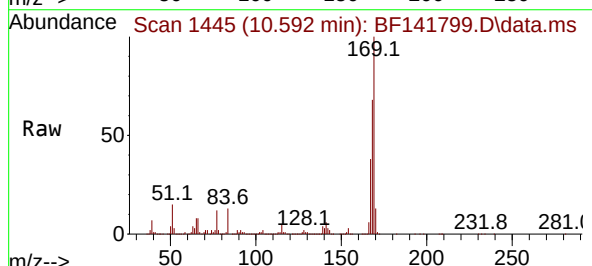
Tgt Ion:169 Resp: 1867463

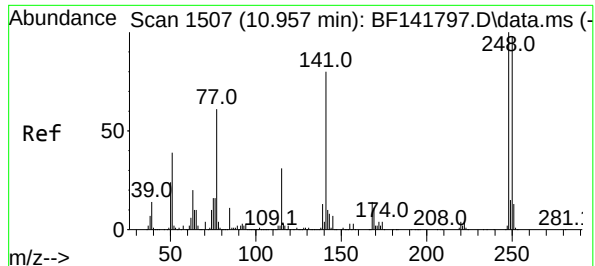
Ion Ratio Lower Upper

169 100

168 67.5 53.0 79.6

167 37.6 29.3 43.9

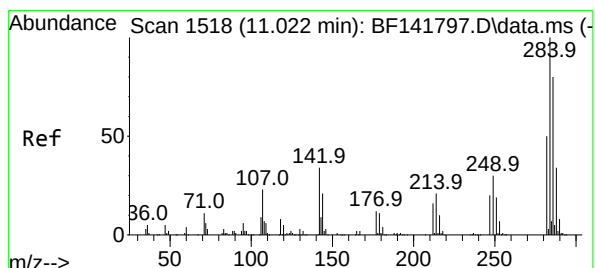
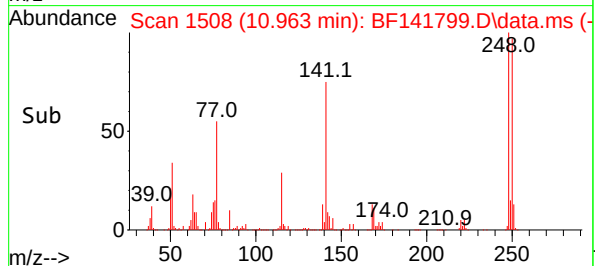
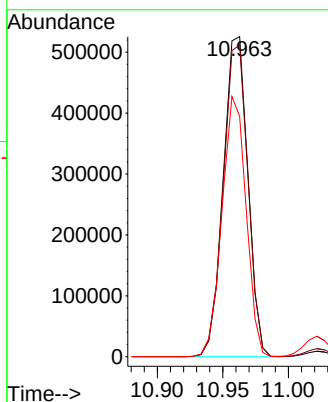
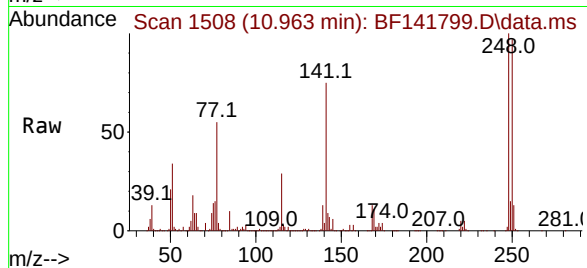




#67  
4-Bromophenyl-phenylether  
Concen: 59.012 ng  
RT: 10.963 min Scan# 1508  
Delta R.T. 0.006 min  
Lab File: BF141799.D  
Acq: 27 Feb 2025 18:15

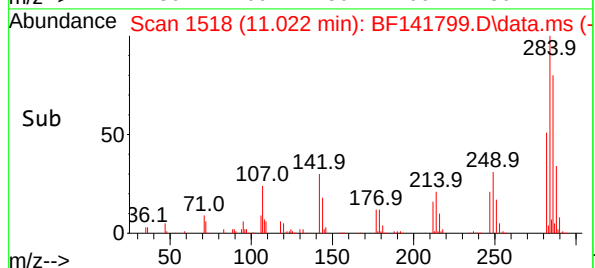
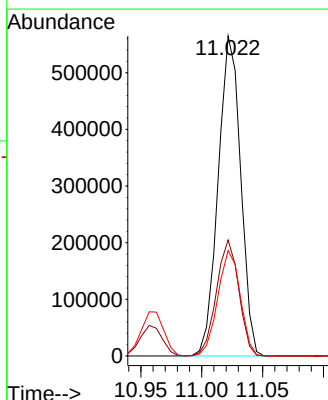
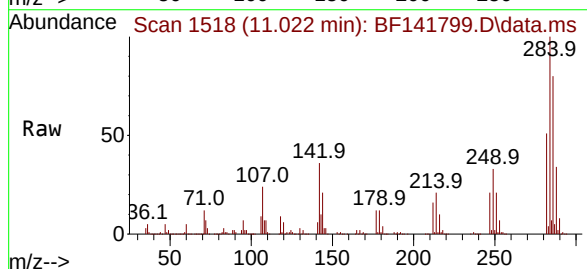
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC060

Tgt Ion:248 Resp: 688777  
Ion Ratio Lower Upper  
248 100  
250 97.5 78.1 117.1  
141 75.2 64.3 96.5

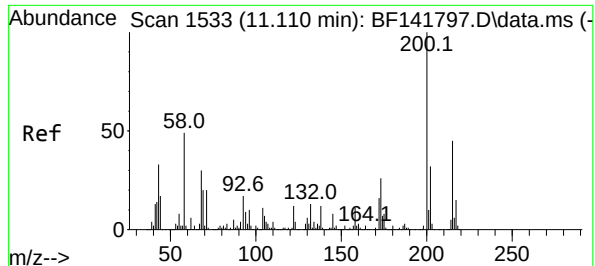


#68  
Hexachlorobenzene  
Concen: 58.945 ng  
RT: 11.022 min Scan# 1518  
Delta R.T. -0.000 min  
Lab File: BF141799.D  
Acq: 27 Feb 2025 18:15

Tgt Ion:284 Resp: 726507  
Ion Ratio Lower Upper  
284 100  
142 36.3 28.2 42.2  
249 33.0 25.5 38.3



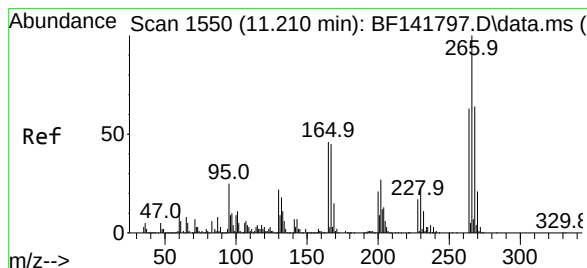
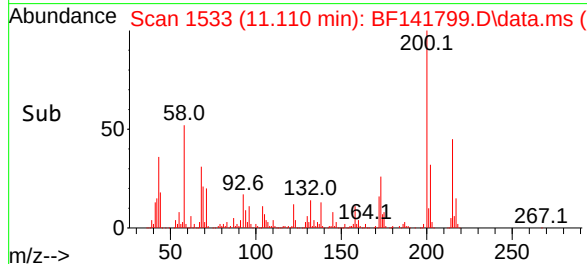
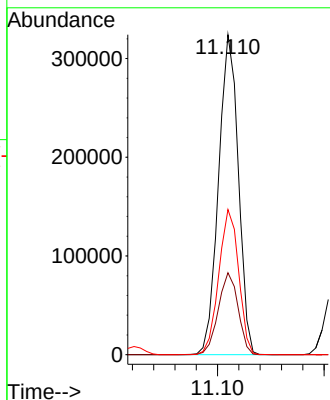
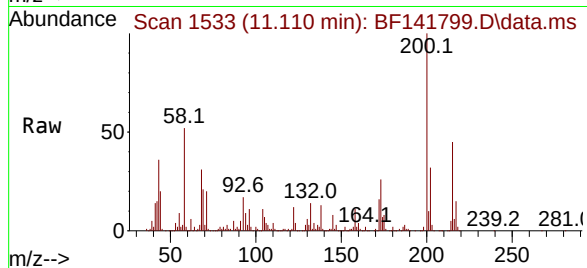




#69  
Atrazine  
Concen: 46.200 ng  
RT: 11.110 min Scan# 1533  
Delta R.T. -0.000 min  
Lab File: BF141799.D  
Acq: 27 Feb 2025 18:15

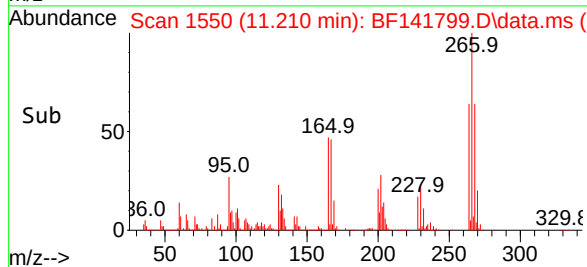
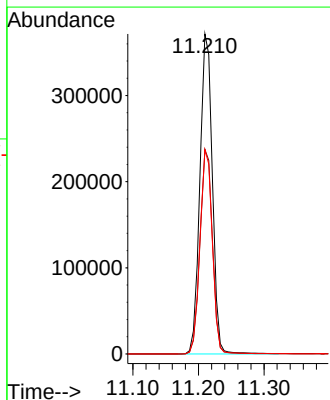
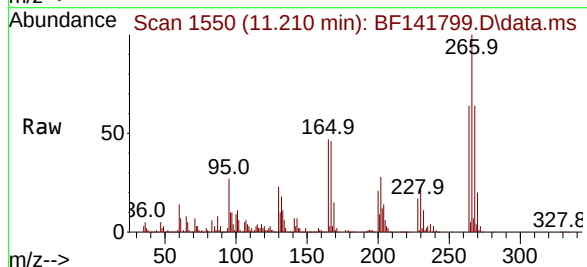
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC060

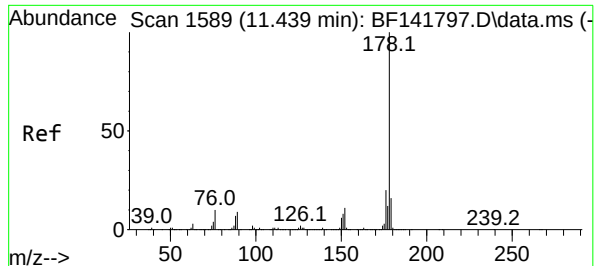
Tgt Ion:200 Resp: 416878  
Ion Ratio Lower Upper  
200 100  
173 25.6 5.6 45.6  
215 45.3 25.3 65.3



#70  
Pentachlorophenol  
Concen: 62.968 ng  
RT: 11.210 min Scan# 1550  
Delta R.T. -0.000 min  
Lab File: BF141799.D  
Acq: 27 Feb 2025 18:15

Tgt Ion:266 Resp: 492228  
Ion Ratio Lower Upper  
266 100  
268 63.9 50.9 76.3  
264 63.8 50.2 75.4

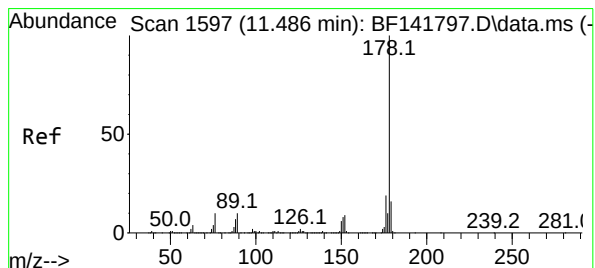
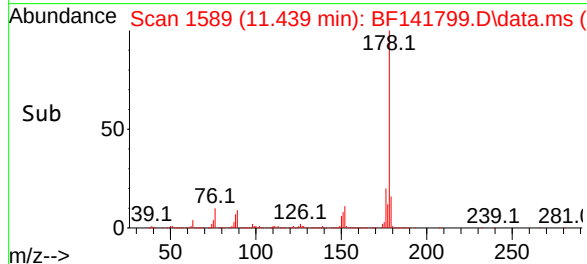
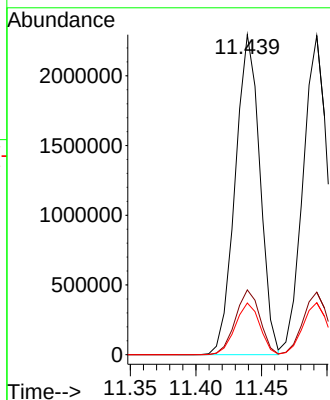
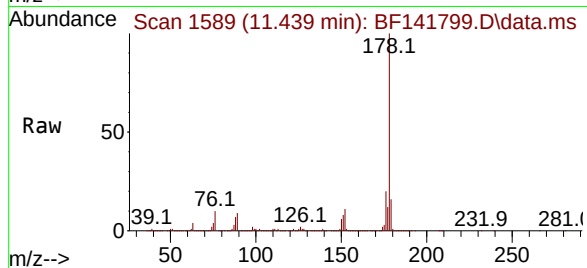




#71  
Phenanthrene  
Concen: 56.165 ng  
RT: 11.439 min Scan# 1589  
Delta R.T. -0.000 min  
Lab File: BF141799.D  
Acq: 27 Feb 2025 18:15

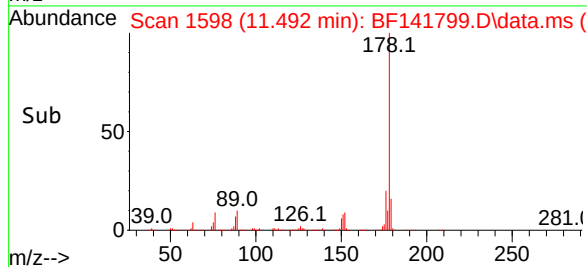
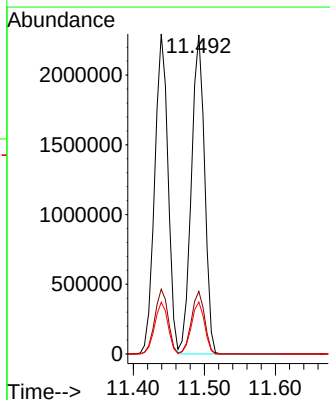
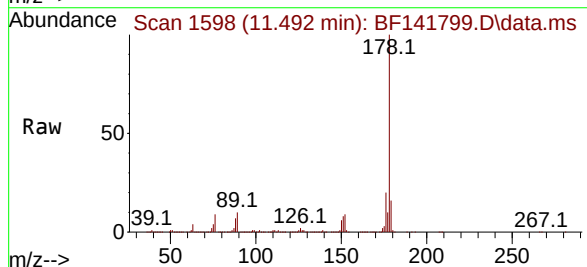
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC060

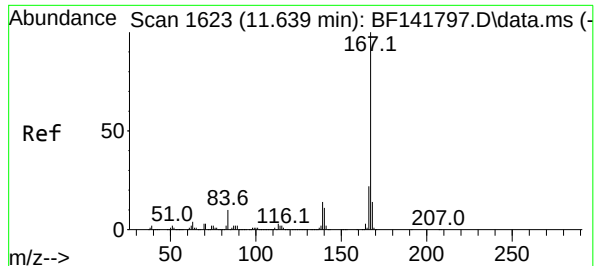
Tgt Ion:178 Resp: 3002094  
Ion Ratio Lower Upper  
178 100  
176 20.2 16.0 24.0  
179 16.2 12.6 19.0



#72  
Anthracene  
Concen: 55.373 ng  
RT: 11.492 min Scan# 1598  
Delta R.T. 0.006 min  
Lab File: BF141799.D  
Acq: 27 Feb 2025 18:15

Tgt Ion:178 Resp: 2966353  
Ion Ratio Lower Upper  
178 100  
176 19.6 15.4 23.0  
179 16.3 12.8 19.2

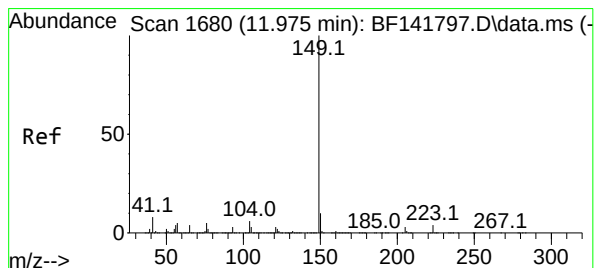
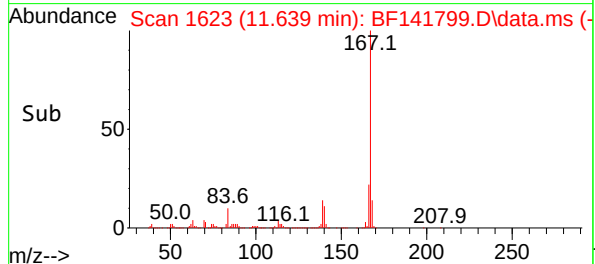
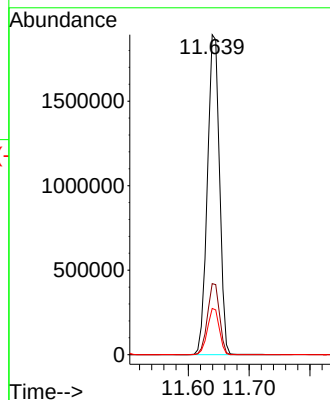
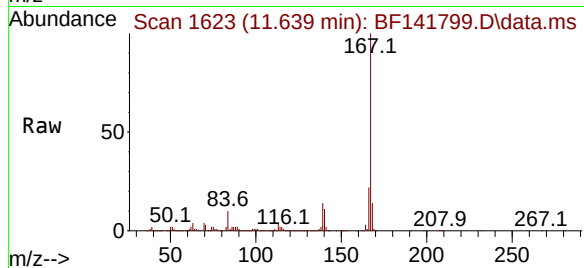




#73  
Carbazole  
Concen: 55.217 ng  
RT: 11.639 min Scan# 1623  
Delta R.T. -0.000 min  
Lab File: BF141799.D  
Acq: 27 Feb 2025 18:15

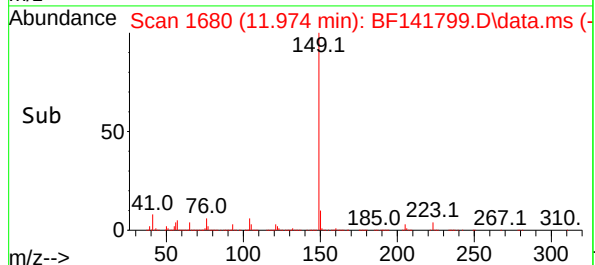
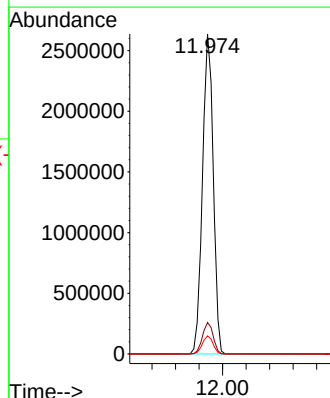
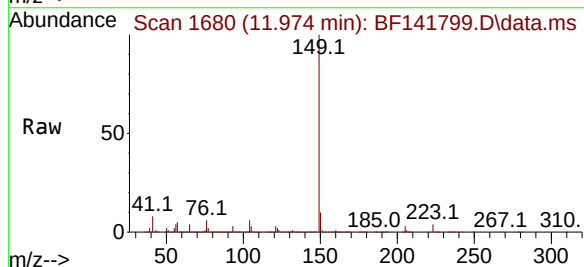
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC060

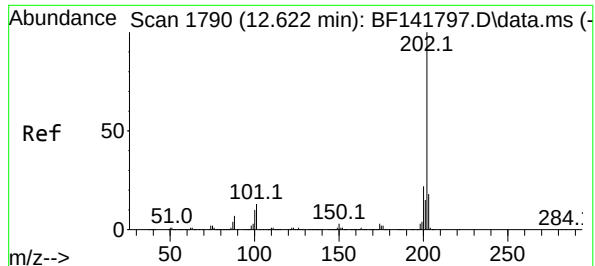
Tgt Ion:167 Resp: 2612132  
Ion Ratio Lower Upper  
167 100  
166 22.2 17.5 26.3  
139 14.5 11.3 16.9



#74  
Di-n-butylphthalate  
Concen: 55.675 ng  
RT: 11.974 min Scan# 1680  
Delta R.T. -0.000 min  
Lab File: BF141799.D  
Acq: 27 Feb 2025 18:15

Tgt Ion:149 Resp: 3338525  
Ion Ratio Lower Upper  
149 100  
150 9.9 7.7 11.5  
104 5.7 4.4 6.6

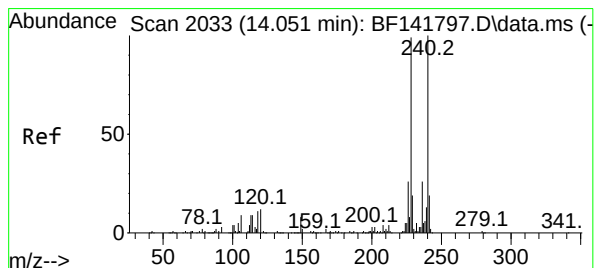
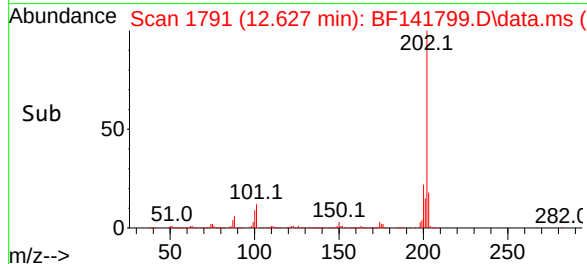
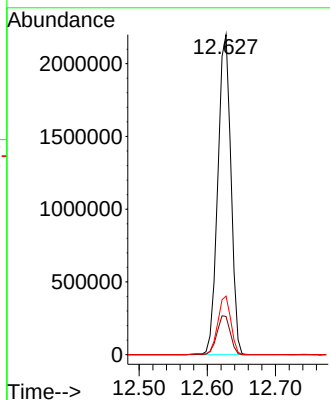
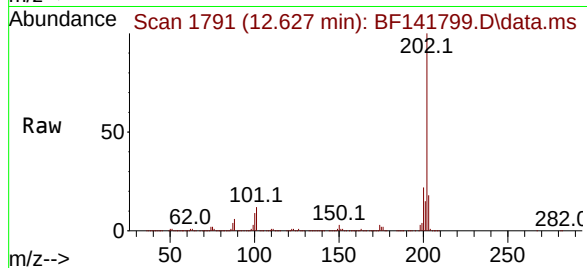




#75  
Fluoranthene  
Concen: 53.680 ng  
RT: 12.627 min Scan# 1790  
Delta R.T. 0.006 min  
Lab File: BF141799.D  
Acq: 27 Feb 2025 18:15

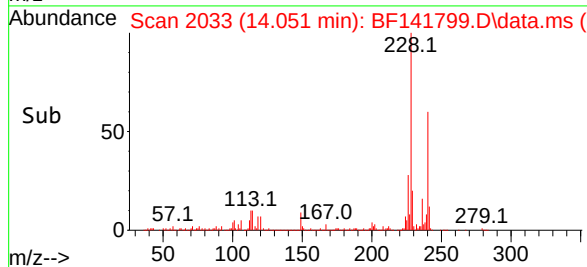
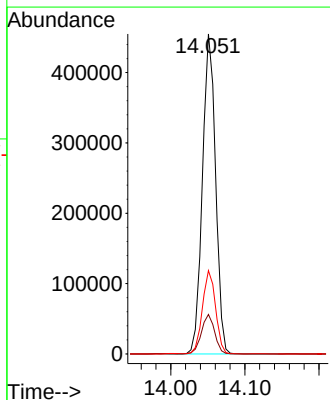
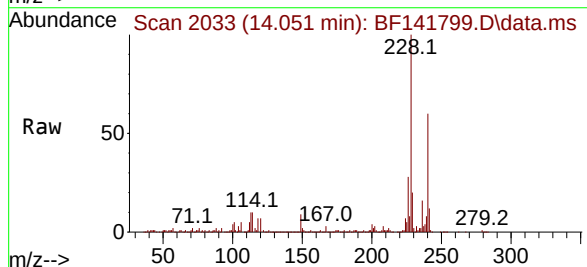
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC060

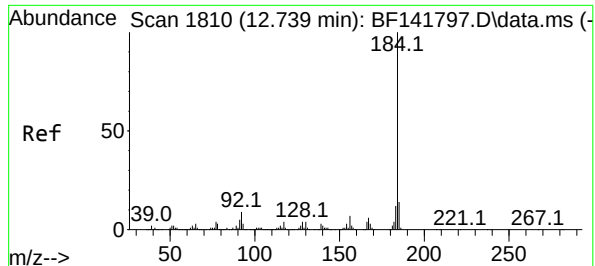
Tgt Ion:202 Resp: 2940034  
Ion Ratio Lower Upper  
202 100  
101 12.0 0.0 32.8  
203 18.3 0.0 38.0



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.051 min Scan# 2033  
Delta R.T. -0.000 min  
Lab File: BF141799.D  
Acq: 27 Feb 2025 18:15

Tgt Ion:240 Resp: 562939  
Ion Ratio Lower Upper  
240 100  
120 12.4 9.7 14.5  
236 26.0 21.0 31.4

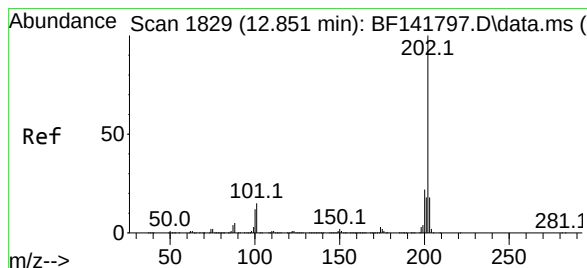
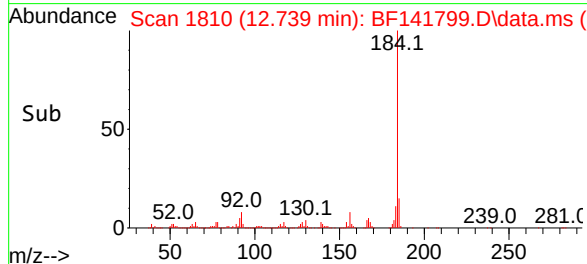
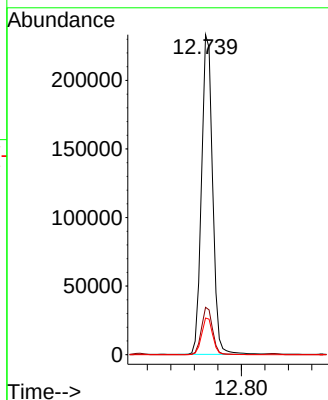
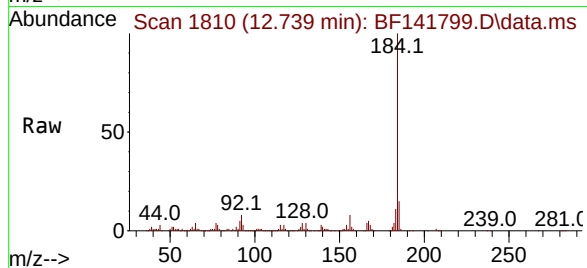




#77  
Benzidine  
Concen: 43.207 ng  
RT: 12.739 min Scan# 1810  
Delta R.T. 0.000 min  
Lab File: BF141799.D  
Acq: 27 Feb 2025 18:15

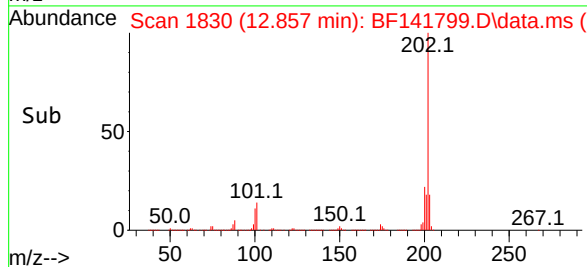
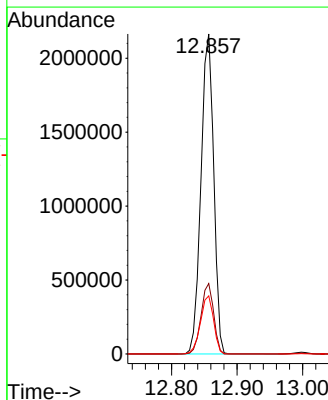
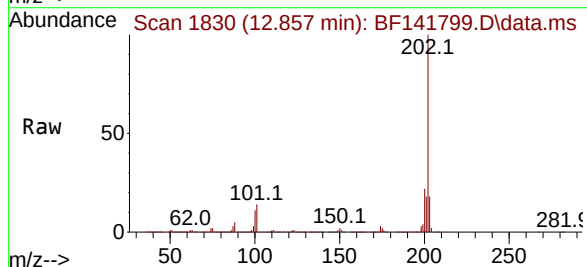
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC060

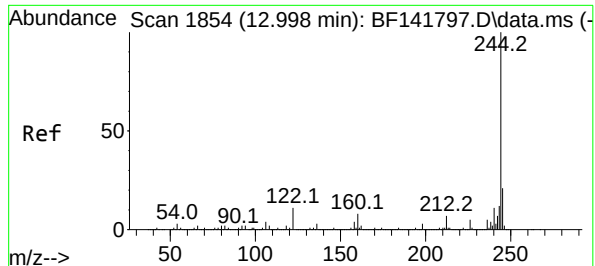
Tgt Ion:184 Resp: 306135  
Ion Ratio Lower Upper  
184 100  
185 14.8 11.6 17.4  
183 11.4 9.4 14.0



#78  
Pyrene  
Concen: 60.064 ng  
RT: 12.857 min Scan# 1830  
Delta R.T. 0.006 min  
Lab File: BF141799.D  
Acq: 27 Feb 2025 18:15

Tgt Ion:202 Resp: 2927964  
Ion Ratio Lower Upper  
202 100  
200 22.0 17.4 26.0  
203 18.2 14.6 22.0





#79

Terphenyl-d14

Concen: 119.098 ng

RT: 12.998 min Scan# 1854

Delta R.T. -0.000 min

Lab File: BF141799.D

Acq: 27 Feb 2025 18:15

Instrument :

BNA\_F

ClientSampleId :

SSTDICC060

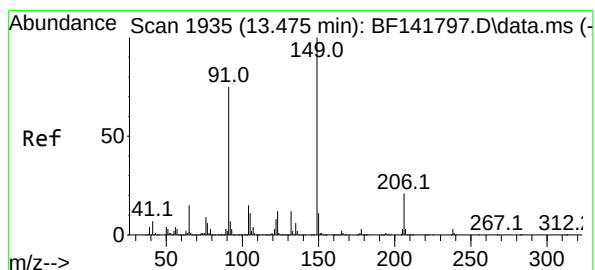
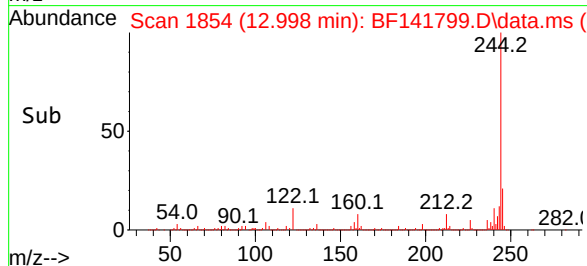
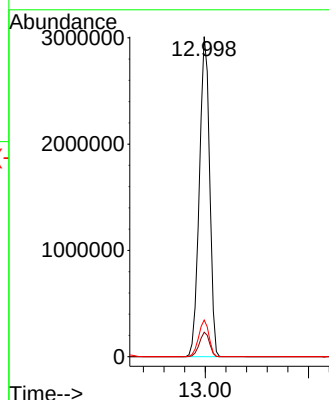
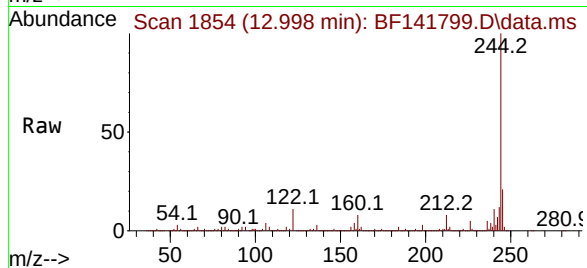
Tgt Ion:244 Resp: 4143891

Ion Ratio Lower Upper

244 100

212 7.7 6.0 9.0

122 11.5 9.0 13.6



#80

Butylbenzylphthalate

Concen: 63.605 ng

RT: 13.474 min Scan# 1935

Delta R.T. -0.000 min

Lab File: BF141799.D

Acq: 27 Feb 2025 18:15

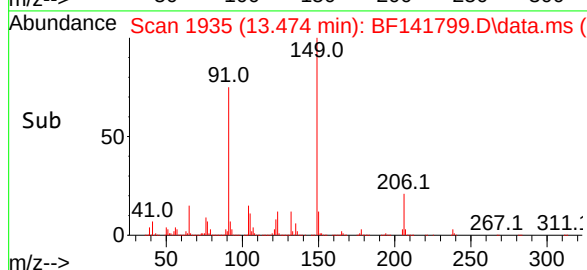
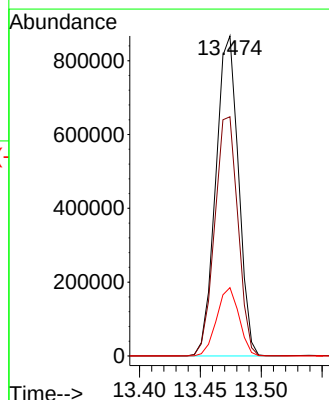
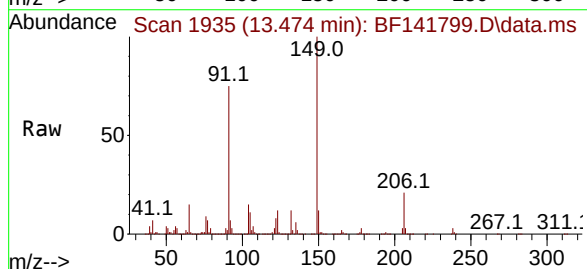
Tgt Ion:149 Resp: 1126511

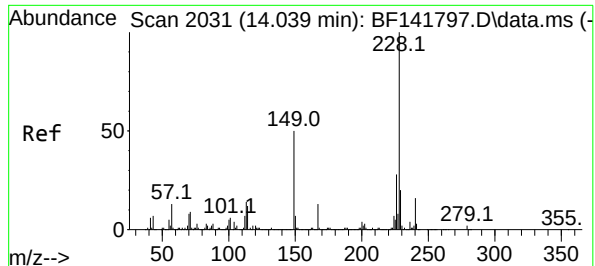
Ion Ratio Lower Upper

149 100

91 74.8 60.1 90.1

206 21.3 16.8 25.2





#81

Benzo(a)anthracene

Concen: 57.309 ng

RT: 14.039 min Scan# 2031

Delta R.T. -0.000 min

Lab File: BF141799.D

Acq: 27 Feb 2025 18:15

Instrument :

BNA\_F

ClientSampleId :

SSTDICC060

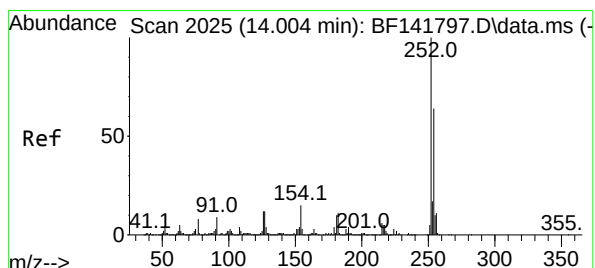
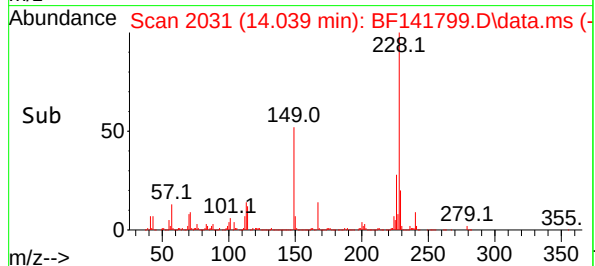
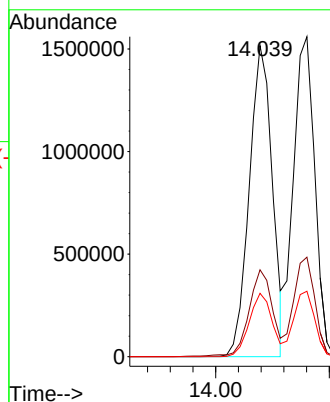
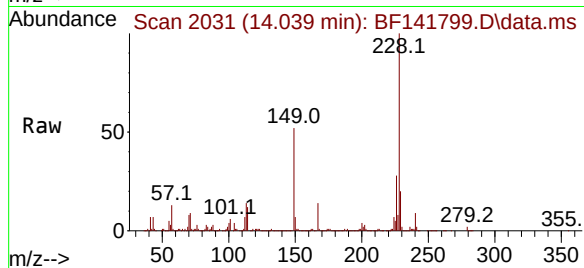
Tgt Ion:228 Resp: 2130928

Ion Ratio Lower Upper

228 100

226 27.9 22.1 33.1

229 20.4 16.1 24.1



#82

3,3'-Dichlorobenzidine

Concen: 57.639 ng

RT: 14.004 min Scan# 2025

Delta R.T. -0.000 min

Lab File: BF141799.D

Acq: 27 Feb 2025 18:15

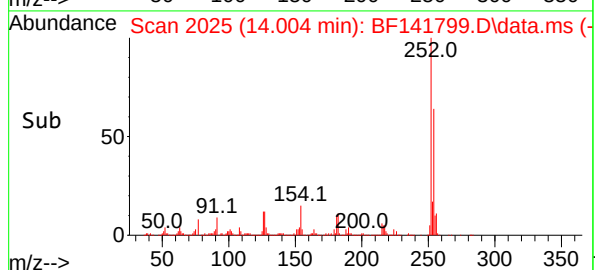
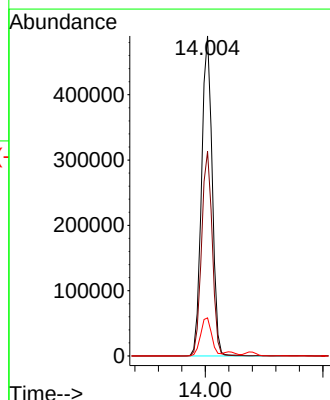
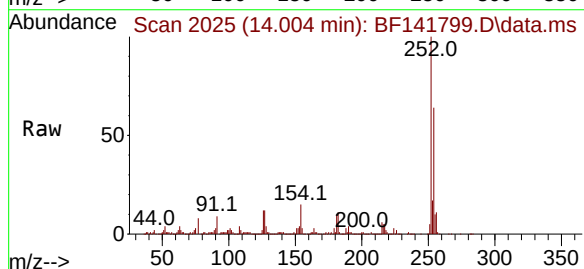
Tgt Ion:252 Resp: 614898

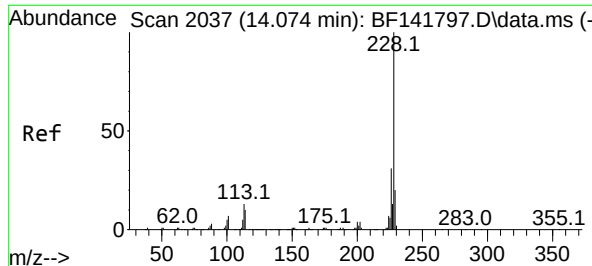
Ion Ratio Lower Upper

252 100

254 63.9 51.4 77.0

126 11.9 9.8 14.6

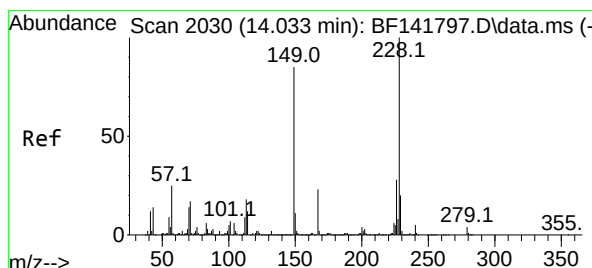
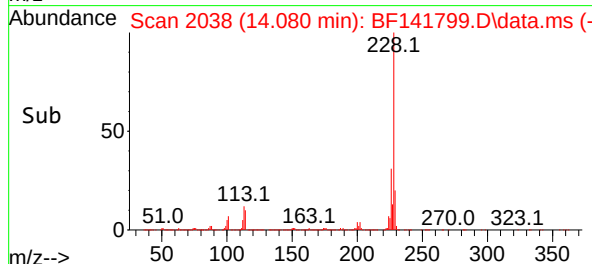
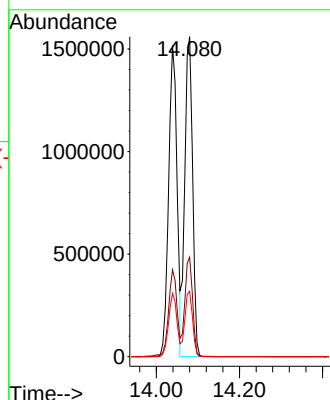
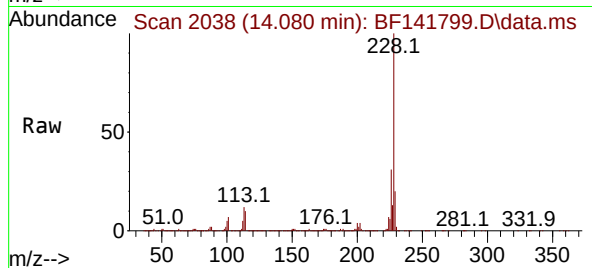




#83  
Chrysene  
Concen: 59.545 ng  
RT: 14.080 min Scan# 2038  
Delta R.T. 0.006 min  
Lab File: BF141799.D  
Acq: 27 Feb 2025 18:15

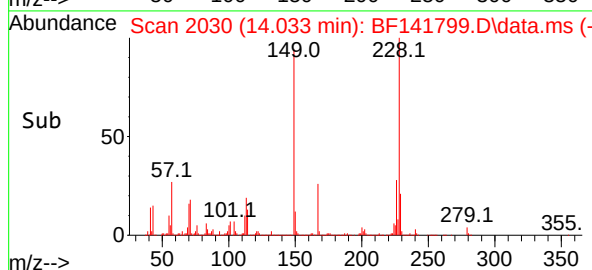
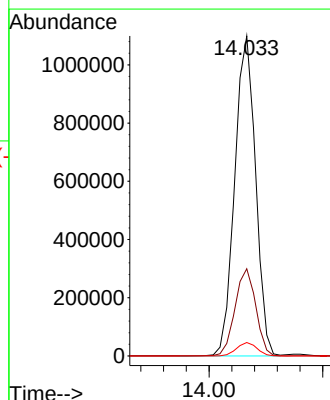
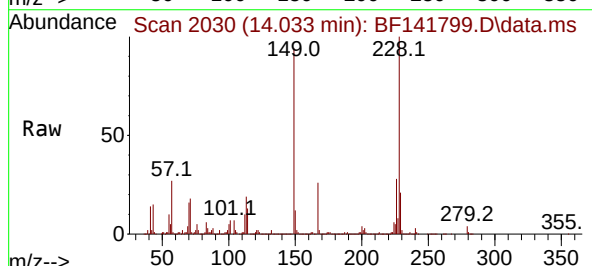
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC060

Tgt Ion:228 Resp: 2040957  
Ion Ratio Lower Upper  
228 100  
226 31.1 24.6 37.0  
229 20.4 16.1 24.1

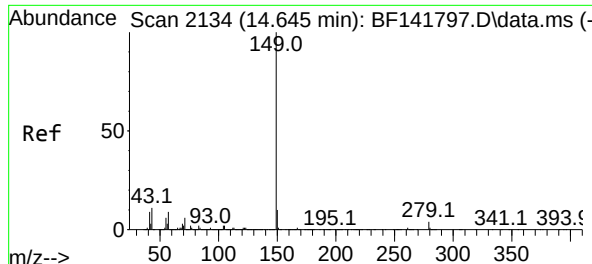


#84  
Bis(2-ethylhexyl)phthalate  
Concen: 63.421 ng  
RT: 14.033 min Scan# 2030  
Delta R.T. -0.000 min  
Lab File: BF141799.D  
Acq: 27 Feb 2025 18:15

Tgt Ion:149 Resp: 1398602  
Ion Ratio Lower Upper  
149 100  
167 27.2 21.2 31.8  
279 4.2 3.3 4.9



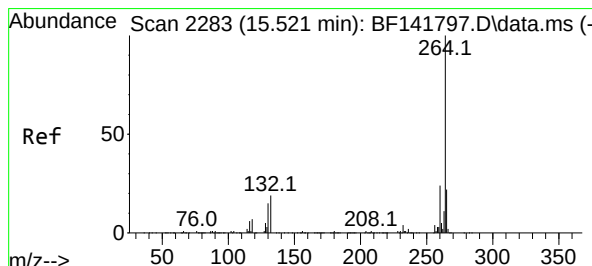
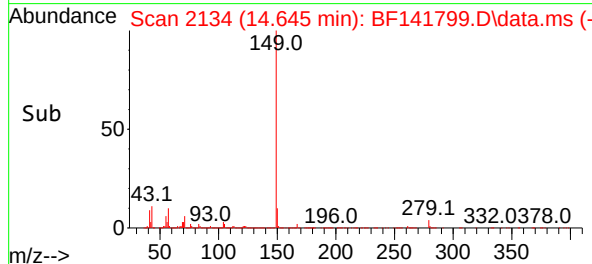
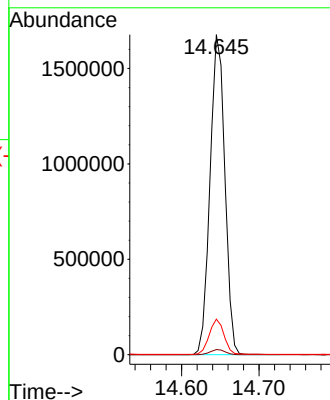
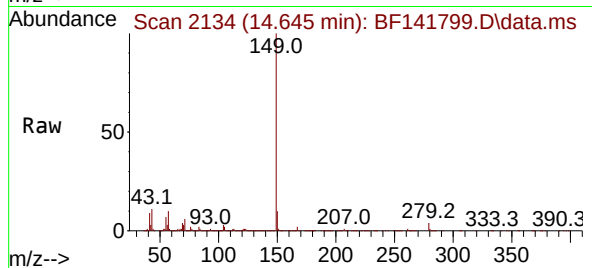




#85  
Di-n-octyl phthalate  
Concen: 67.411 ng  
RT: 14.645 min Scan# 2134  
Delta R.T. -0.000 min  
Lab File: BF141799.D  
Acq: 27 Feb 2025 18:15

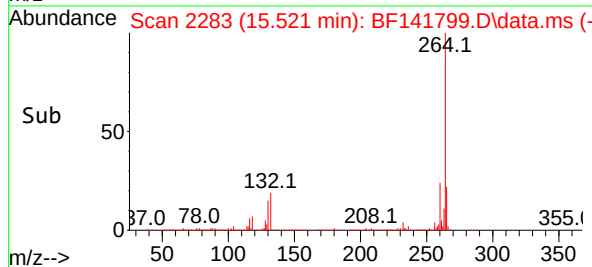
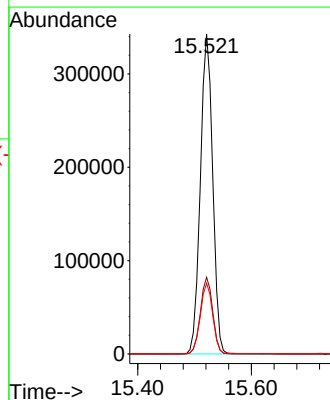
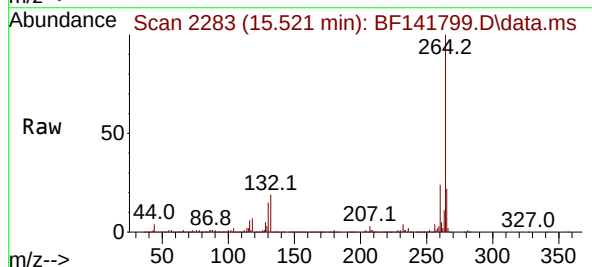
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC060

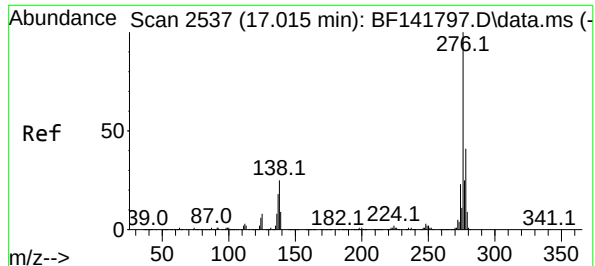
Tgt Ion:149 Resp: 2225625  
Ion Ratio Lower Upper  
149 100  
167 1.6 1.2 1.8  
43 11.0 8.6 12.8



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.521 min Scan# 2283  
Delta R.T. -0.000 min  
Lab File: BF141799.D  
Acq: 27 Feb 2025 18:15

Tgt Ion:264 Resp: 517191  
Ion Ratio Lower Upper  
264 100  
260 24.0 18.9 28.3  
265 22.1 17.4 26.0

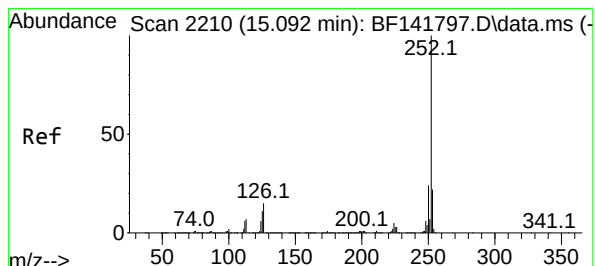
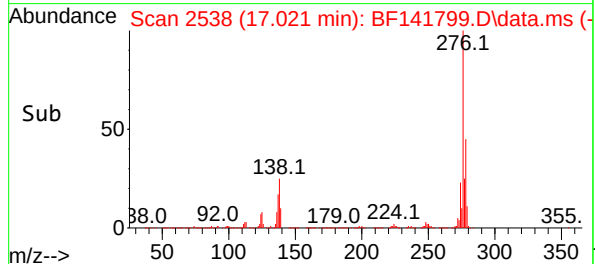
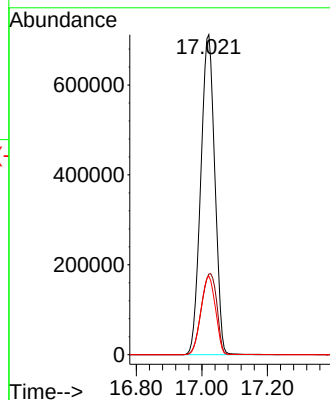
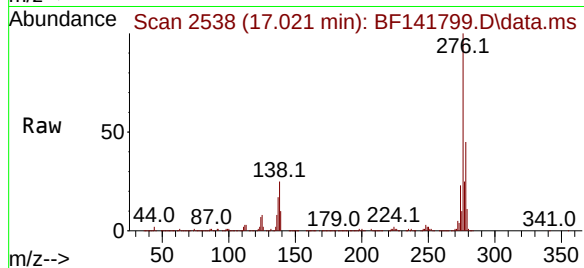




#87  
Indeno(1,2,3-cd)pyrene  
Concen: 64.589 ng  
RT: 17.021 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: BF141799.D  
Acq: 27 Feb 2025 18:15

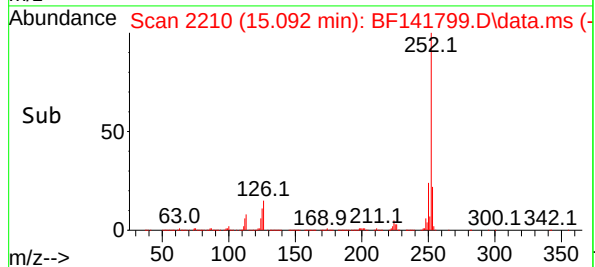
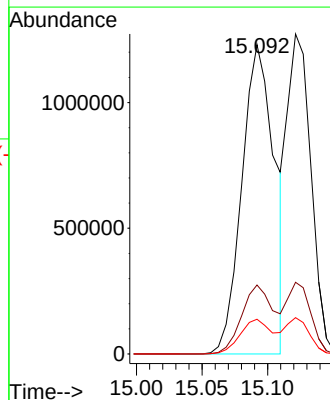
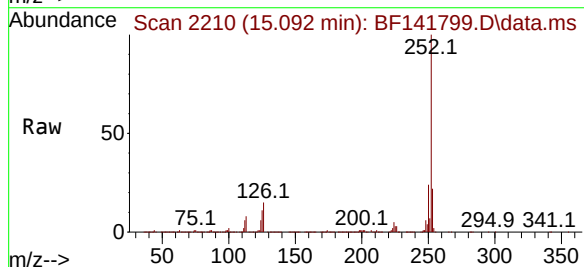
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC060

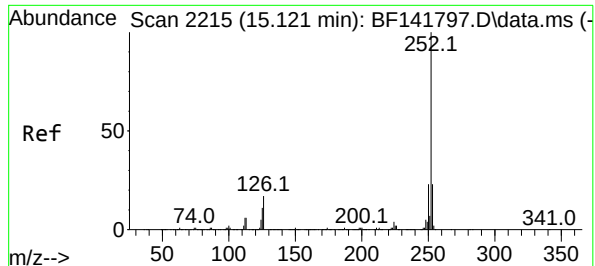
Tgt Ion:276 Resp: 2127125  
Ion Ratio Lower Upper  
276 100  
138 28.0 22.5 33.7  
277 25.4 20.3 30.5



#88  
Benzo(b)fluoranthene  
Concen: 60.349 ng  
RT: 15.092 min Scan# 2210  
Delta R.T. -0.000 min  
Lab File: BF141799.D  
Acq: 27 Feb 2025 18:15

Tgt Ion:252 Resp: 2126076  
Ion Ratio Lower Upper  
252 100  
253 22.3 17.7 26.5  
125 11.2 8.6 13.0





#89

Benzo(k)fluoranthene

Concen: 53.909 ng

RT: 15.121 min Scan# 2215

Delta R.T. -0.000 min

Lab File: BF141799.D

Acq: 27 Feb 2025 18:15

Instrument :

BNA\_F

ClientSampleId :

SSTDICC060

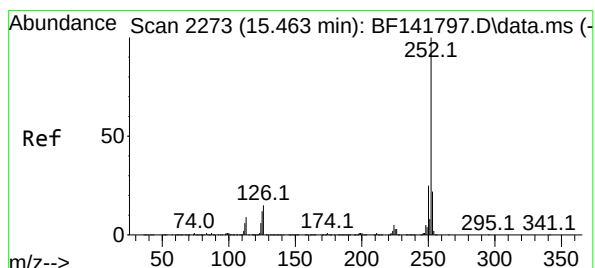
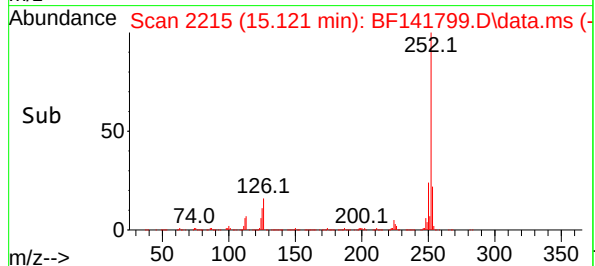
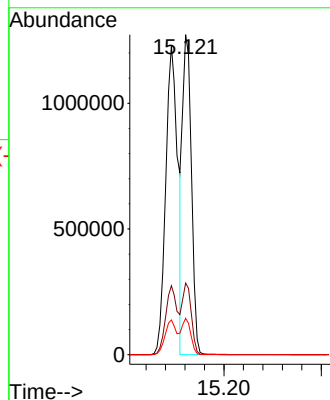
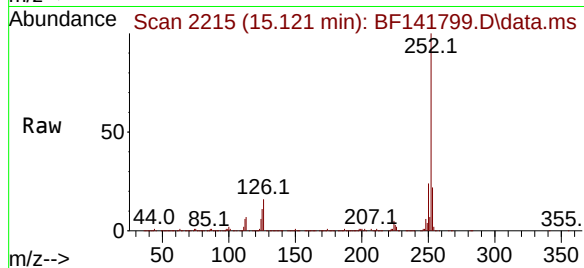
Tgt Ion:252 Resp: 1614240

Ion Ratio Lower Upper

252 100

253 22.4 17.8 26.8

125 11.4 8.8 13.2



#90

Benzo(a)pyrene

Concen: 59.327 ng

RT: 15.462 min Scan# 2273

Delta R.T. -0.000 min

Lab File: BF141799.D

Acq: 27 Feb 2025 18:15

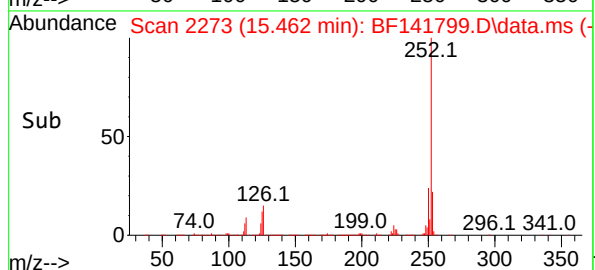
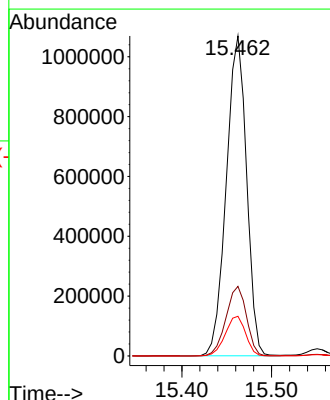
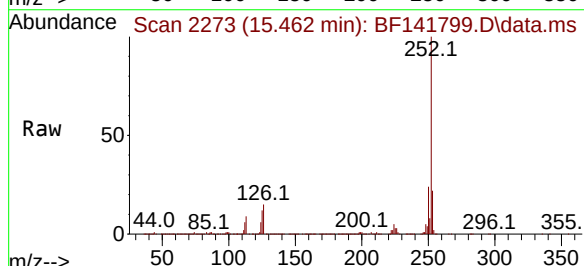
Tgt Ion:252 Resp: 1676196

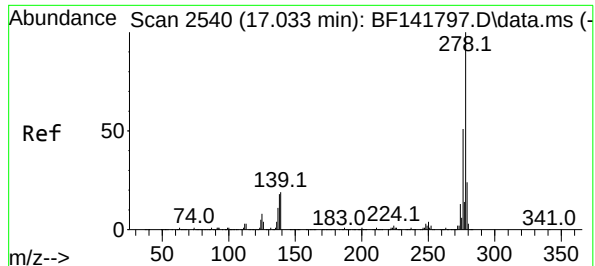
Ion Ratio Lower Upper

252 100

253 21.8 17.5 26.3

125 12.4 9.4 14.2





#91

Dibenzo(a,h)anthracene

Concen: 63.544 ng

RT: 17.039 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF141799.D

Acq: 27 Feb 2025 18:15

Instrument :

BNA\_F

ClientSampleId :

SSTDICC060

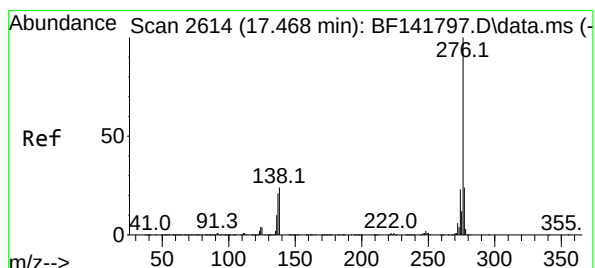
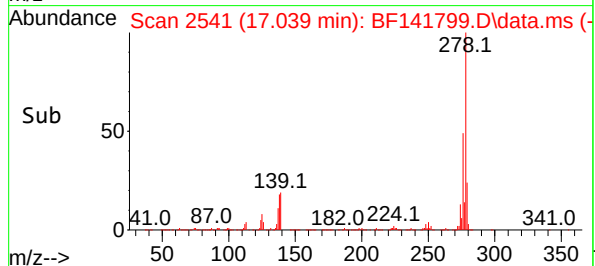
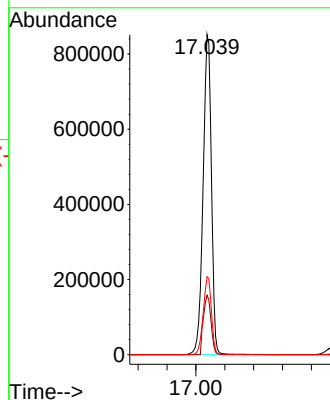
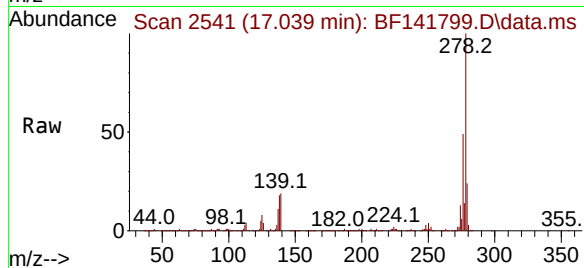
Tgt Ion:278 Resp: 1708189

Ion Ratio Lower Upper

278 100

139 18.5 14.9 22.3

279 24.4 19.3 28.9



#92

Benzo(g,h,i)perylene

Concen: 65.105 ng

RT: 17.474 min Scan# 2615

Delta R.T. 0.006 min

Lab File: BF141799.D

Acq: 27 Feb 2025 18:15

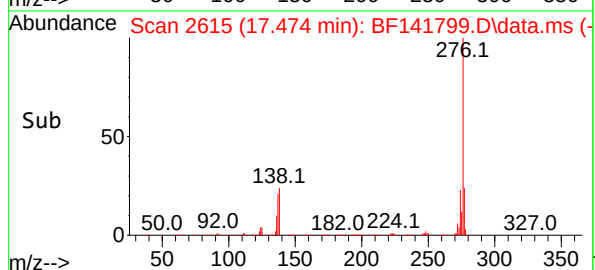
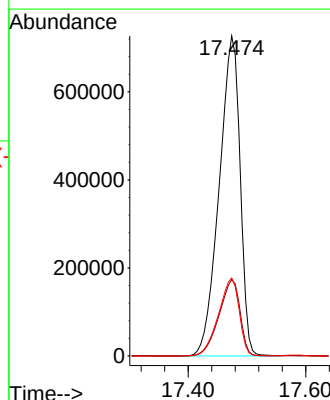
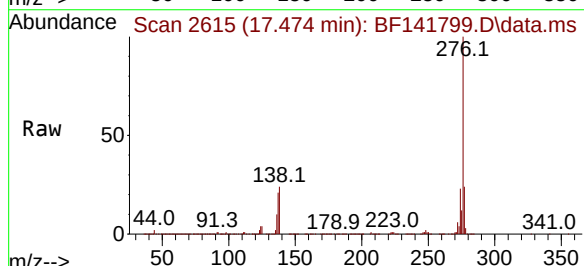
Tgt Ion:276 Resp: 1792957

Ion Ratio Lower Upper

276 100

277 23.9 19.4 29.0

138 24.3 19.3 28.9



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF022725\  
 Data File : BF141800.D  
 Acq On : 27 Feb 2025 18:45  
 Operator : RC/JU  
 Sample : SSTDICC080  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDICC080

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 02/28/2025  
 Supervised By :mohammad ahmed 02/28/2025

Quant Time: Feb 28 01:28:02 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF022725.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Feb 28 01:19:57 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.892  | 152  | 288826   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.175  | 136  | 1114934  | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.927  | 164  | 596680   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.416 | 188  | 953117   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.051 | 240  | 523206   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.521 | 264  | 508610   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.504  | 112  | 2612441  | 144.448 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.522  | 99   | 3411771  | 144.934 | ng    | 0.01     |
| 23) Nitrobenzene-d5           | 7.463  | 82   | 3027619  | 173.576 | ng    | 0.01     |
| 42) 2,4,6-Tribromophenol      | 10.722 | 330  | 924112   | 164.969 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.251  | 172  | 5006600  | 134.541 | ng    | 0.00     |
| 79) Terphenyl-d14             | 13.004 | 244  | 4843134  | 149.765 | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.675  | 88   | 624874   | 76.145  | ng    | 100      |
| 3) Pyridine                   | 3.446  | 79   | 1560139  | 76.409  | ng    | 99       |
| 4) n-Nitrosodimethylamine     | 3.410  | 42   | 788941   | 80.304  | ng    | 98       |
| 6) Aniline                    | 6.551  | 93   | 1743358m | 71.624  | ng    |          |
| 8) 2-Chlorophenol             | 6.681  | 128  | 1409554  | 72.047  | ng    | 99       |
| 9) Benzaldehyde               | 6.445  | 77   | 801799   | 58.556  | ng    | 100      |
| 10) Phenol                    | 6.539  | 94   | 1807328m | 72.063  | ng    |          |
| 11) bis(2-Chloroethyl)ether   | 6.634  | 93   | 1461868  | 76.240  | ng    | 96       |
| 12) 1,3-Dichlorobenzene       | 6.834  | 146  | 1510694  | 72.103  | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 6.910  | 146  | 1522041  | 72.097  | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 7.069  | 146  | 1370457  | 69.519  | ng    | 99       |
| 15) Benzyl Alcohol            | 7.034  | 79   | 1363091  | 72.454  | ng    | 99       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.169  | 45   | 2095843  | 71.973  | ng    | 98       |
| 17) 2-Methylphenol            | 7.139  | 107  | 1211432  | 75.016  | ng    | 99       |
| 18) Hexachloroethane          | 7.404  | 117  | 593057   | 75.056  | ng    | 98       |
| 19) n-Nitroso-di-n-propyla... | 7.322  | 70   | 1126427  | 72.793  | ng    | 98       |
| 20) 3+4-Methylphenols         | 7.298  | 107  | 1383814  | 68.816  | ng    | # 88     |
| 22) Acetophenone              | 7.310  | 105  | 1933636  | 71.209  | ng    | 99       |
| 24) Nitrobenzene              | 7.481  | 77   | 1579955  | 84.587  | ng    | 100      |
| 25) Isophorone                | 7.722  | 82   | 2894041  | 77.230  | ng    | 100      |
| 26) 2-Nitrophenol             | 7.792  | 139  | 705125   | 81.046  | ng    | 100      |
| 27) 2,4-Dimethylphenol        | 7.822  | 122  | 1051076  | 76.304  | ng    | 99       |
| 28) bis(2-Chloroethoxy)met... | 7.928  | 93   | 1759255  | 73.596  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 8.028  | 162  | 1227409  | 77.239  | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 8.116  | 180  | 1304033  | 74.888  | ng    | 99       |
| 31) Naphthalene               | 8.198  | 128  | 4040110  | 70.504  | ng    | 99       |
| 32) Benzoic acid              | 7.975  | 122  | 1008619  | 81.363  | ng    | 99       |
| 33) 4-Chloroaniline           | 8.251  | 127  | 1607098  | 76.489  | ng    | 100      |
| 34) Hexachlorobutadiene       | 8.316  | 225  | 836069   | 77.265  | ng    | 99       |
| 35) Caprolactam               | 8.639  | 113  | 383145   | 78.359  | ng    | 99       |
| 36) 4-Chloro-3-methylphenol   | 8.722  | 107  | 1349234  | 76.431  | ng    | 99       |
| 37) 2-Methylnaphthalene       | 8.886  | 142  | 2637302  | 70.167  | ng    | 99       |
| 38) 1-Methylnaphthalene       | 8.986  | 142  | 2541019  | 70.457  | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 9.051  | 216  | 1288540  | 74.773  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 9.039  | 237  | 564266   | 78.461  | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 9.163  | 196  | 898797   | 80.742  | ng    | 99       |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF022725\  
 Data File : BF141800.D  
 Acq On : 27 Feb 2025 18:45  
 Operator : RC/JU  
 Sample : SSTDICC080  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDICC080

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 02/28/2025  
 Supervised By :mohammad ahmed 02/28/2025

Quant Time: Feb 28 01:28:02 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF022725.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Feb 28 01:19:57 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.198  | 196  | 859610   | 77.984  | ng    | 99       |
| 46) 1,1'-Biphenyl             | 9.357  | 154  | 3156440  | 69.499  | ng    | 99       |
| 47) 2-Chloronaphthalene       | 9.380  | 162  | 2401468  | 71.641  | ng    | 98       |
| 48) 2-Nitroaniline            | 9.469  | 65   | 770567   | 80.727  | ng    | 99       |
| 49) Acenaphthylene            | 9.792  | 152  | 3512076  | 69.880  | ng    | 99       |
| 50) Dimethylphthalate         | 9.663  | 163  | 2921217  | 73.107  | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 9.716  | 165  | 622623   | 79.481  | ng    | 100      |
| 52) Acenaphthene              | 9.969  | 154  | 2480302  | 73.139  | ng    | 100      |
| 53) 3-Nitroaniline            | 9.886  | 138  | 667119   | 79.835  | ng    | 97       |
| 54) 2,4-Dinitrophenol         | 9.986  | 184  | 277943   | 79.409  | ng    | # 1      |
| 55) Dibenzofuran              | 10.139 | 168  | 3427897  | 69.448  | ng    | 98       |
| 56) 4-Nitrophenol             | 10.033 | 139  | 541317   | 91.723  | ng    | 100      |
| 57) 2,4-Dinitrotoluene        | 10.122 | 165  | 764012   | 79.344  | ng    | 97       |
| 58) Fluorene                  | 10.480 | 166  | 2557382  | 69.170  | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol | 10.251 | 232  | 752913   | 78.537  | ng    | 99       |
| 60) Diethylphthalate          | 10.357 | 149  | 2893471  | 72.232  | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 10.469 | 204  | 1341441  | 72.414  | ng    | 99       |
| 62) 4-Nitroaniline            | 10.504 | 138  | 611855   | 89.663  | ng    | 99       |
| 63) Azobenzene                | 10.633 | 77   | 3013185  | 71.441  | ng    | 98       |
| 65) 4,6-Dinitro-2-methylph... | 10.527 | 198  | 393349   | 80.929  | ng    | 98       |
| 66) n-Nitrosodiphenylamine    | 10.592 | 169  | 2313580  | 73.923  | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 10.963 | 248  | 852216   | 76.550  | ng    | 98       |
| 68) Hexachlorobenzene         | 11.027 | 284  | 902644   | 76.782  | ng    | 97       |
| 70) Pentachlorophenol         | 11.216 | 266  | 610264   | 81.849  | ng    | 100      |
| 71) Phenanthrene              | 11.439 | 178  | 3584436  | 70.307  | ng    | 99       |
| 72) Anthracene                | 11.492 | 178  | 3550480  | 69.487  | ng    | 98       |
| 73) Carbazole                 | 11.645 | 167  | 3130504  | 69.380  | ng    | 99       |
| 74) Di-n-butylphthalate       | 11.974 | 149  | 3944814  | 68.971  | ng    | 99       |
| 75) Fluoranthene              | 12.627 | 202  | 3496011  | 66.922  | ng    | 99       |
| 77) Benzidine                 | 12.745 | 184  | 660393   | 100.283 | ng    | 99       |
| 78) Pyrene                    | 12.857 | 202  | 3466035  | 76.502  | ng    | 99       |
| 80) Butylbenzylphthalate      | 13.474 | 149  | 1364388  | 82.887  | ng    | 100      |
| 81) Benzo(a)anthracene        | 14.039 | 228  | 2703093  | 78.217  | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 14.004 | 252  | 762858   | 76.939  | ng    | 100      |
| 83) Chrysene                  | 14.080 | 228  | 2394861  | 75.176  | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 14.033 | 149  | 1730418  | 84.426  | ng    | 99       |
| 85) Di-n-octyl phthalate      | 14.645 | 149  | 2821762  | 91.958  | ng    | 100      |
| 87) Indeno(1,2,3-cd)pyrene    | 17.027 | 276  | 2842850  | 87.778  | ng    | 99       |
| 88) Benzo(b)fluoranthene      | 15.092 | 252  | 2556011  | 73.777  | ng    | 98       |
| 89) Benzo(k)fluoranthene      | 15.127 | 252  | 2184261  | 74.176  | ng    | 99       |
| 90) Benzo(a)pyrene            | 15.468 | 252  | 2156583  | 77.617  | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 17.051 | 278  | 2269377  | 85.844  | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 17.486 | 276  | 2397751  | 88.534  | ng    | 99       |

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

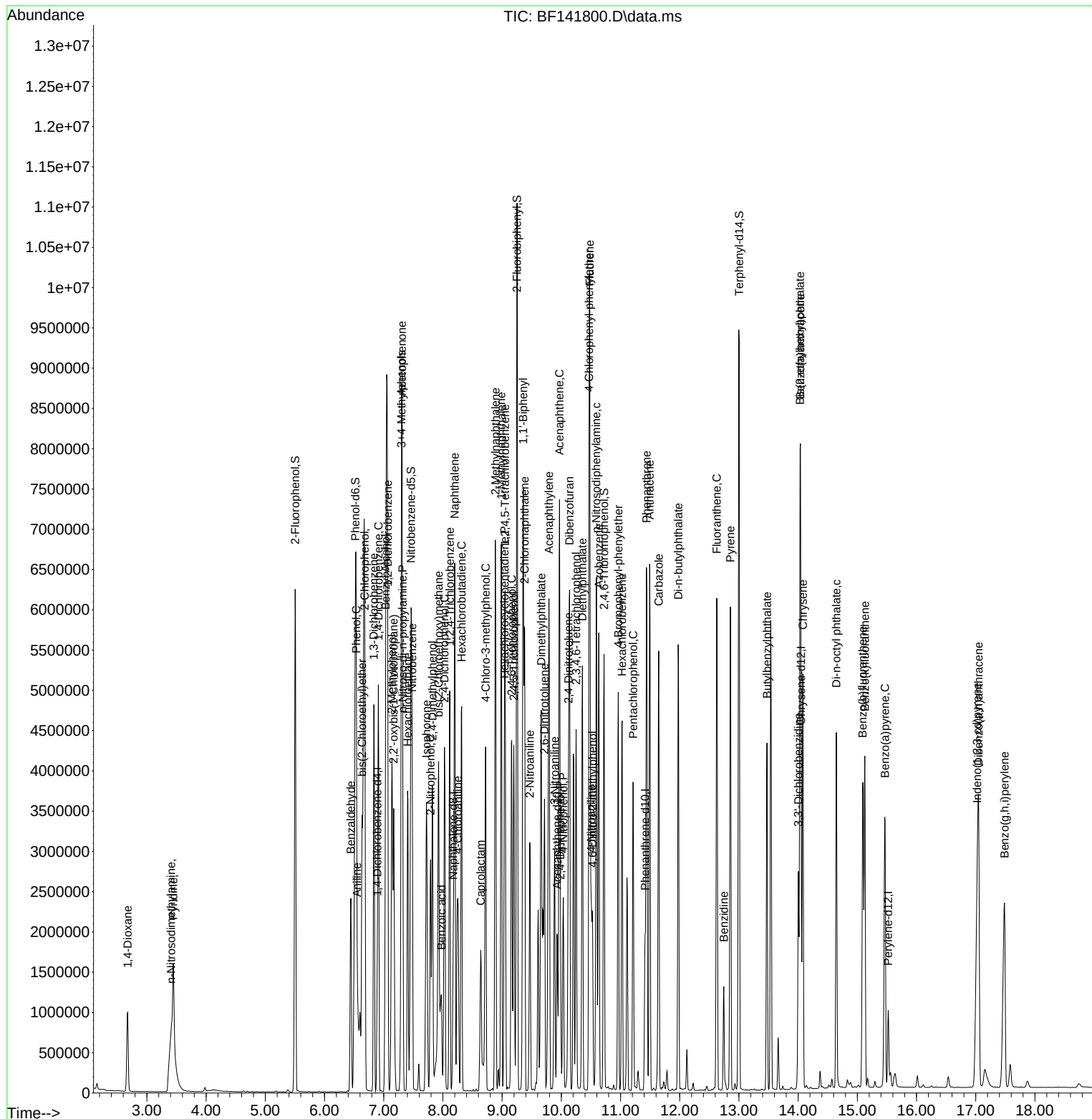
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Acq On : 27 Feb 2025 18:45  
Operator : RC/JU  
Sample : SSTDICC080  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

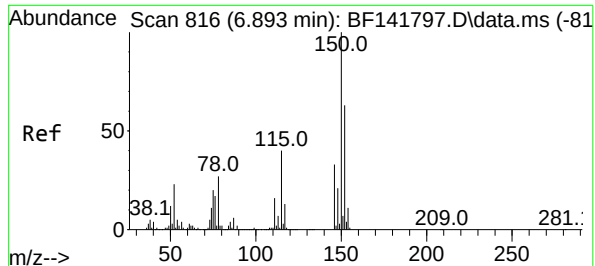
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC080

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025

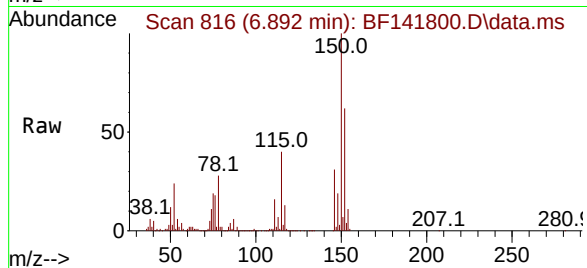
Quant Time: Feb 28 01:28:02 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF022725.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Feb 28 01:19:57 2025  
Response via : Initial Calibration





#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.892 min Scan# 81  
Delta R.T. -0.001 min  
Lab File: BF141800.D  
Acq: 27 Feb 2025 18:45

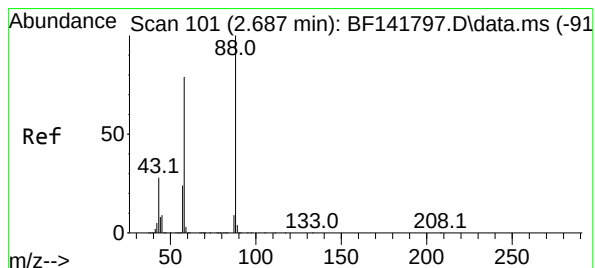
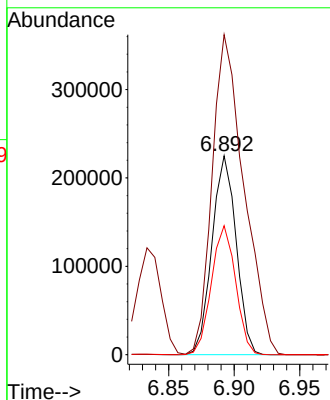
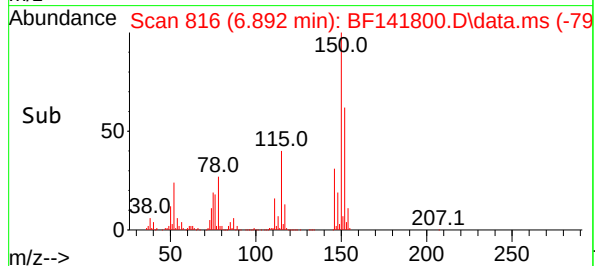
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC080



Tgt Ion:152 Resp: 288820  
Ion Ratio Lower Upper  
152 100  
150 160.9 127.5 191.3  
115 64.9 51.4 77.2

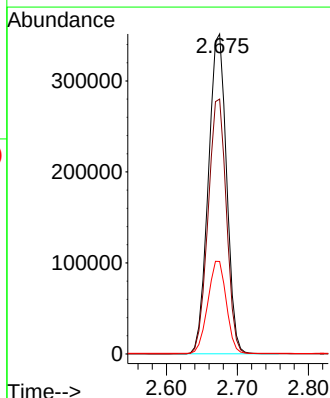
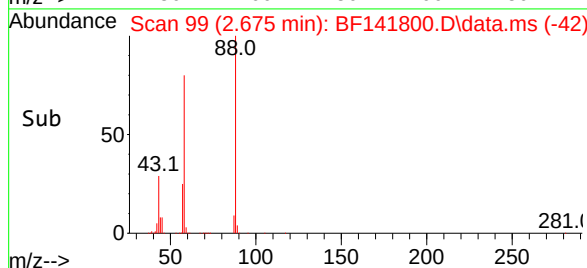
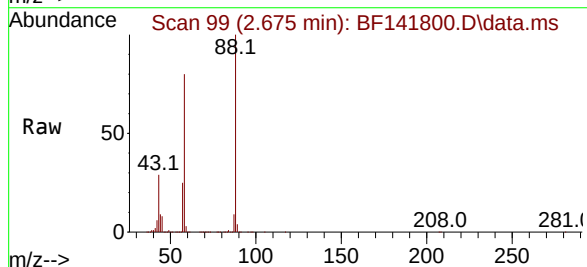
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025

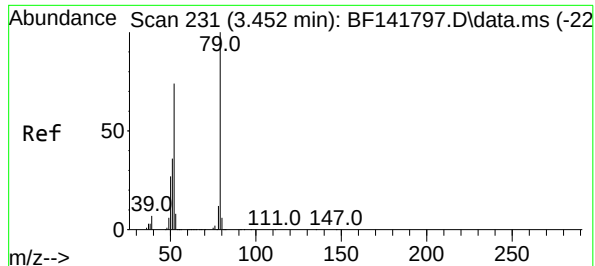


#2  
1,4-Dioxane  
Concen: 76.145 ng  
RT: 2.675 min Scan# 99  
Delta R.T. -0.012 min  
Lab File: BF141800.D  
Acq: 27 Feb 2025 18:45

Tgt Ion: 88 Resp: 624874  
Ion Ratio Lower Upper  
88 100  
58 80.3 63.9 95.9  
43 29.2 23.0 34.6







#3

Pyridine

Concen: 76.409 ng

RT: 3.446 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF141800.D

Acq: 27 Feb 2025 18:45

Instrument :

BNA\_F

ClientSampleId :

SSTDICC080

Tgt Ion: 79 Resp: 1560139

Ion Ratio Lower Upper

79 100

52 73.2 59.0 88.4

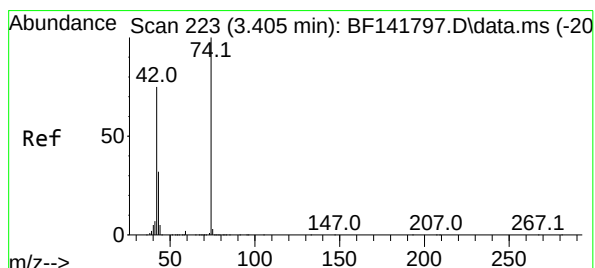
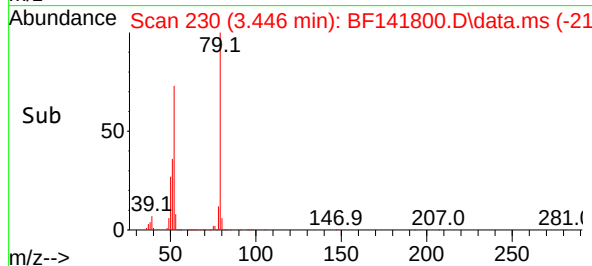
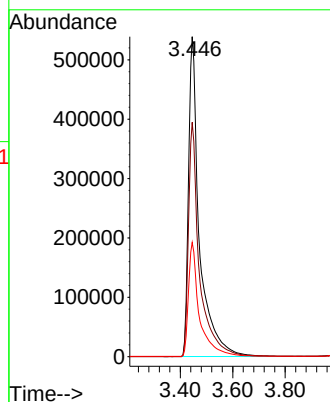
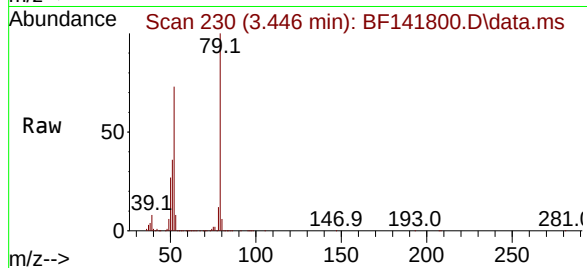
51 35.7 29.0 43.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/28/2025

Supervised By :mohammad ahmed 02/28/2025



#4

n-Nitrosodimethylamine

Concen: 80.304 ng

RT: 3.410 min Scan# 224

Delta R.T. 0.006 min

Lab File: BF141800.D

Acq: 27 Feb 2025 18:45

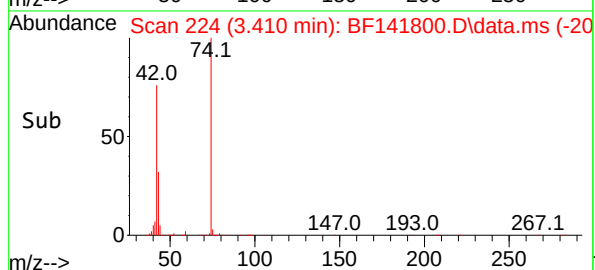
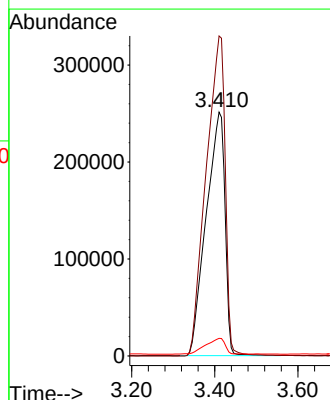
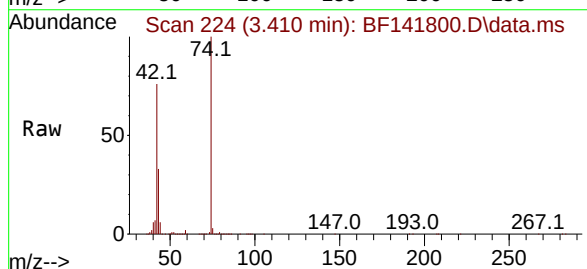
Tgt Ion: 42 Resp: 788941

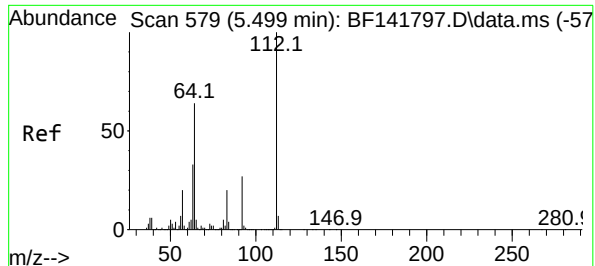
Ion Ratio Lower Upper

42 100

74 131.2 107.1 160.7

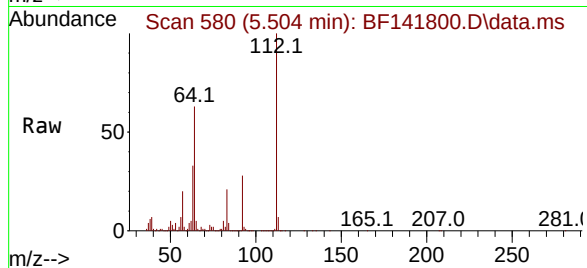
44 7.2 6.6 9.8





#5  
2-Fluorophenol  
Concen: 144.448 ng  
RT: 5.504 min Scan# 51  
Delta R.T. 0.006 min  
Lab File: BF141800.D  
Acq: 27 Feb 2025 18:45

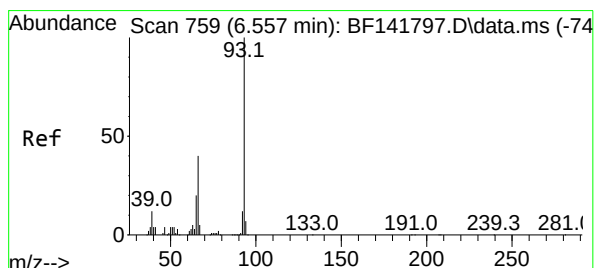
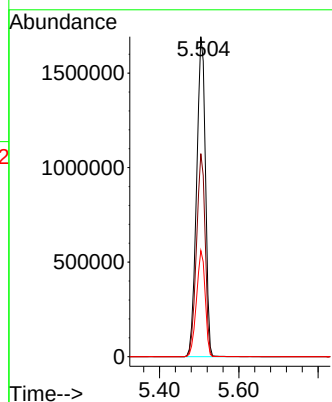
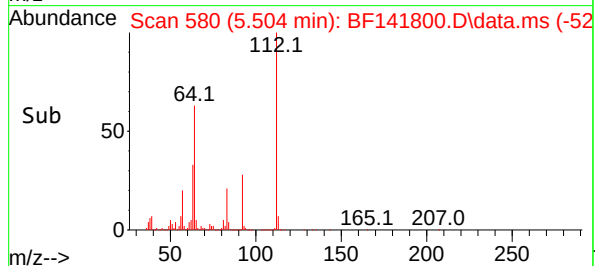
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC080



Tgt Ion:112 Resp: 261244  
Ion Ratio Lower Upper  
112 100  
64 63.5 51.3 76.9  
63 33.1 26.2 39.4

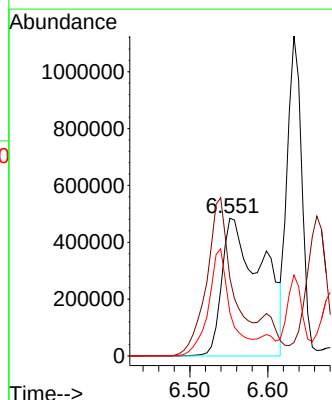
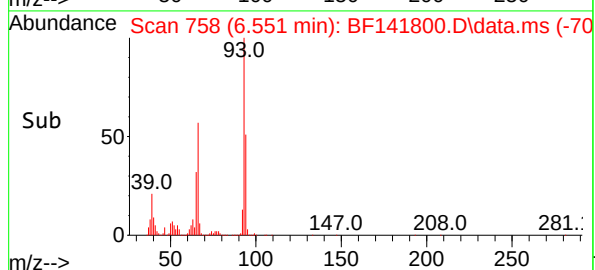
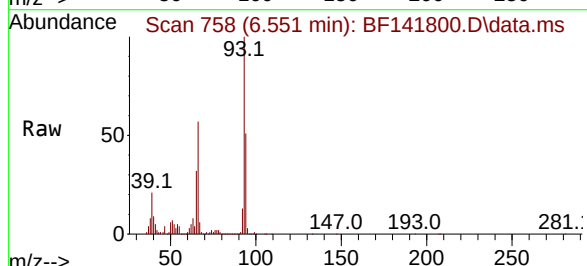
Manual Integrations  
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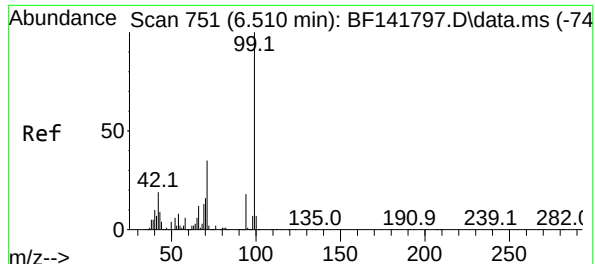
Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025



#6  
Aniline  
Concen: 71.624 ng m  
RT: 6.551 min Scan# 758  
Delta R.T. -0.006 min  
Lab File: BF141800.D  
Acq: 27 Feb 2025 18:45

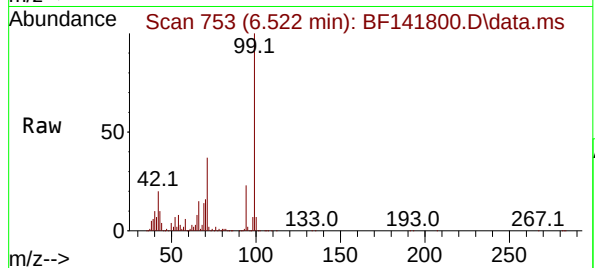
Tgt Ion: 93 Resp: 1743358  
Ion Ratio Lower Upper  
93 100  
66 56.8 32.3 48.5#  
65 31.8 15.9 23.9#





#7  
Phenol-d6  
Concen: 144.934 ng  
RT: 6.522 min Scan# 71  
Delta R.T. 0.012 min  
Lab File: BF141800.D  
Acq: 27 Feb 2025 18:45

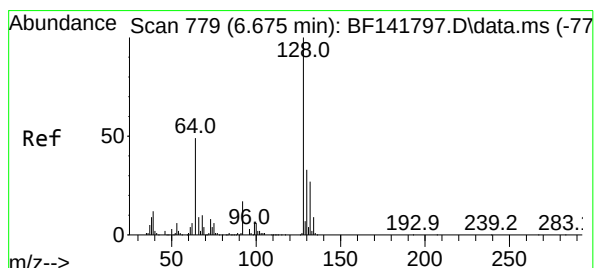
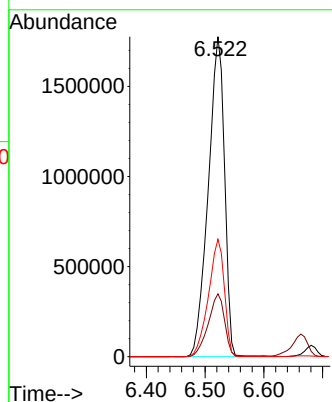
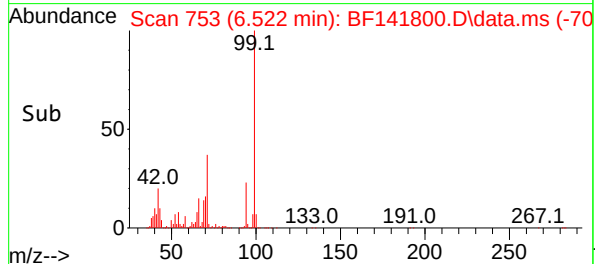
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC080



Tgt Ion: 99 Resp: 341177  
Ion Ratio Lower Upper  
99 100  
42 19.7 15.2 22.8  
71 36.7 28.2 42.2

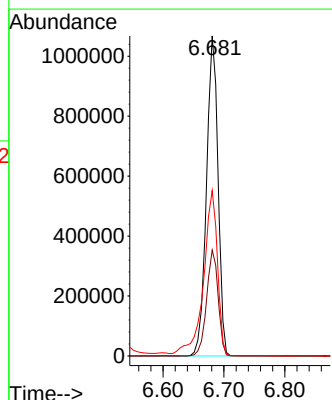
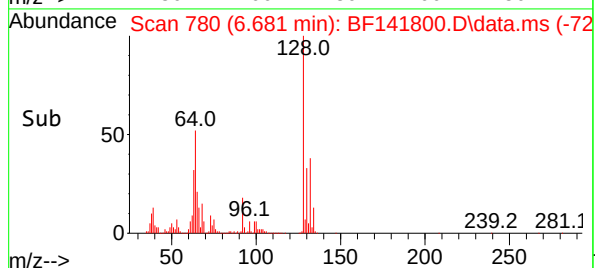
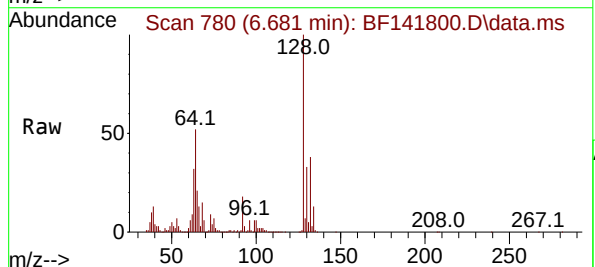
Manual Integrations  
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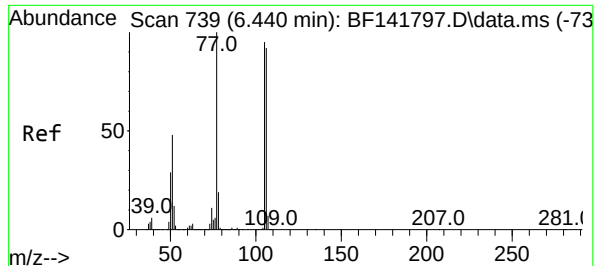
Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025



#8  
2-Chlorophenol  
Concen: 72.047 ng  
RT: 6.681 min Scan# 780  
Delta R.T. 0.006 min  
Lab File: BF141800.D  
Acq: 27 Feb 2025 18:45

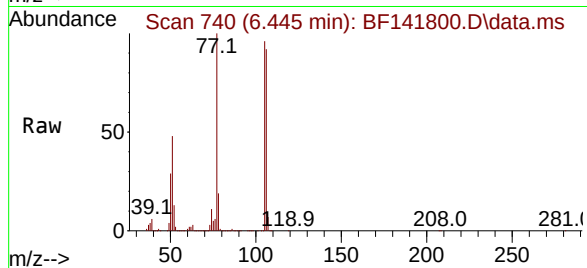
Tgt Ion:128 Resp: 1409554  
Ion Ratio Lower Upper  
128 100  
130 33.1 12.6 52.6  
64 51.7 31.1 71.1





#9  
Benzaldehyde  
Concen: 58.556 ng  
RT: 6.445 min Scan# 740  
Delta R.T. 0.006 min  
Lab File: BF141800.D  
Acq: 27 Feb 2025 18:45

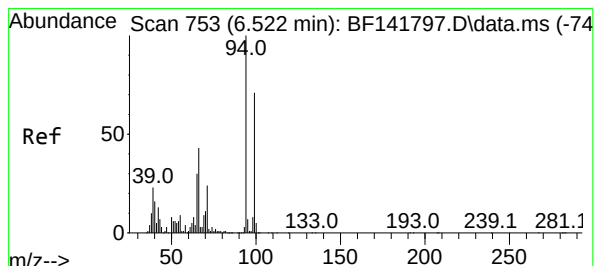
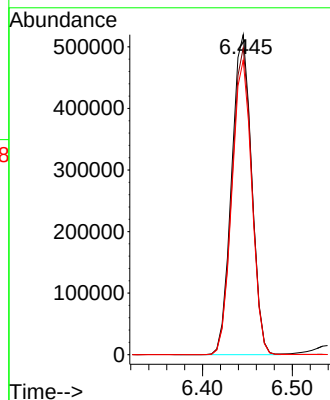
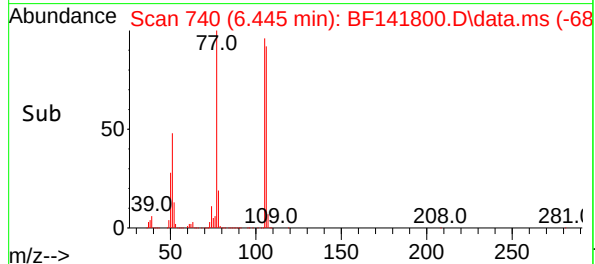
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC080



Tgt Ion: 77 Resp: 801799  
Ion Ratio Lower Upper  
77 100  
105 95.9 75.3 115.3  
106 92.1 72.3 112.3

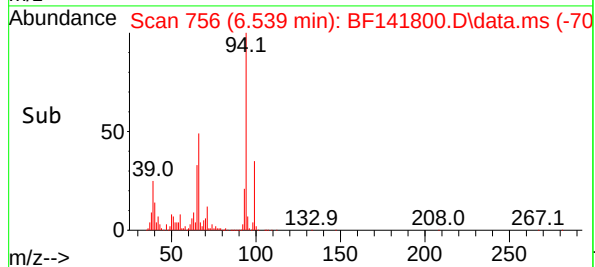
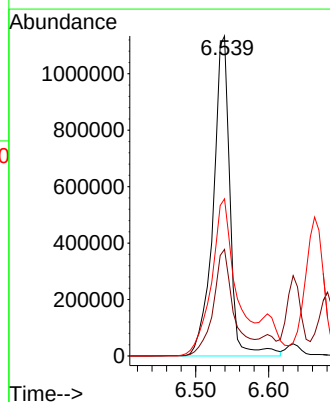
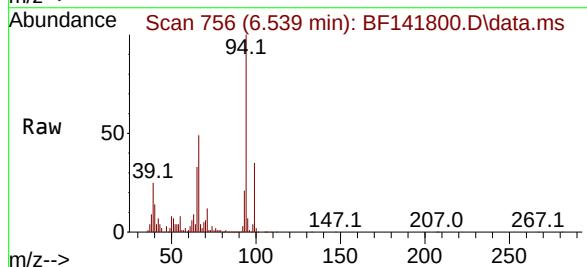
Manual Integrations  
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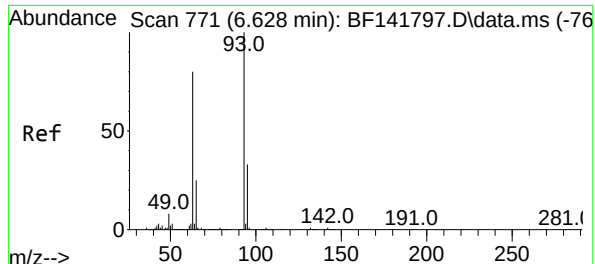
Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025



#10  
Phenol  
Concen: 72.063 ng m  
RT: 6.539 min Scan# 756  
Delta R.T. 0.017 min  
Lab File: BF141800.D  
Acq: 27 Feb 2025 18:45

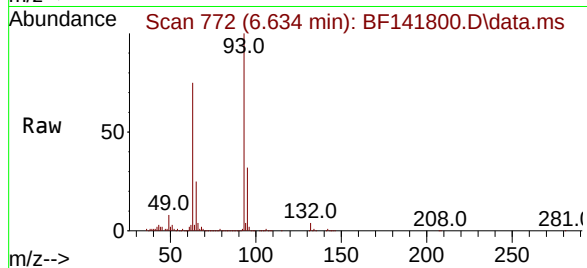
Tgt Ion: 94 Resp: 1807328  
Ion Ratio Lower Upper  
94 100  
65 33.3 10.2 50.2  
66 49.1 23.2 63.2





#11  
bis(2-Chloroethyl)ether  
Concen: 76.240 ng  
RT: 6.634 min Scan# 771  
Delta R.T. 0.006 min  
Lab File: BF141800.D  
Acq: 27 Feb 2025 18:45

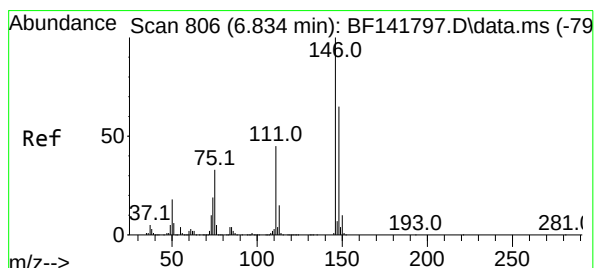
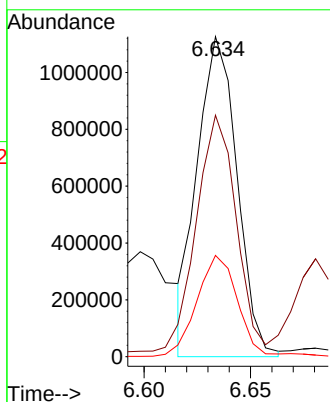
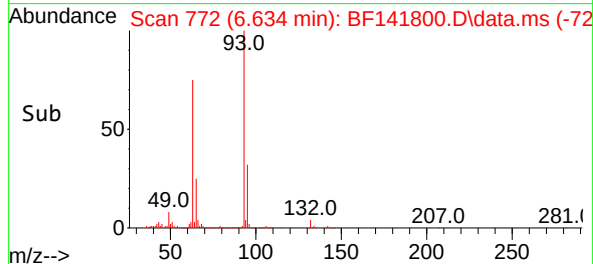
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC080



Tgt Ion: 93 Resp: 146186  
Ion Ratio Lower Upper  
93 100  
63 75.5 59.3 99.3  
95 31.7 13.2 53.2

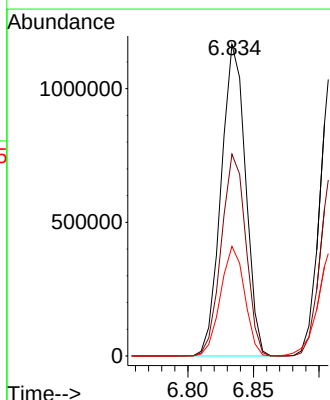
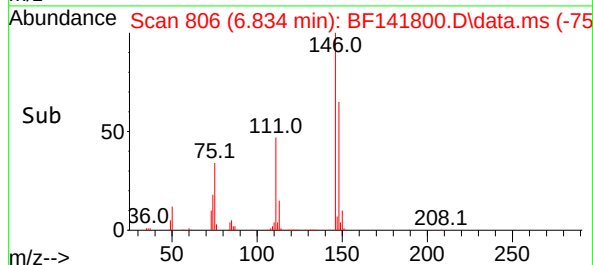
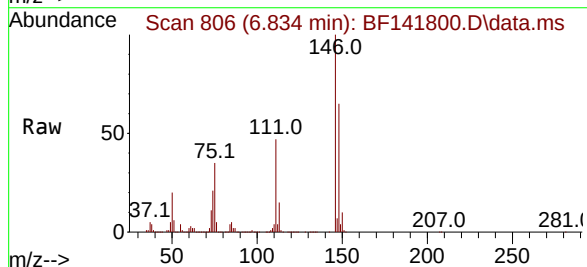
Manual Integrations  
APPROVED

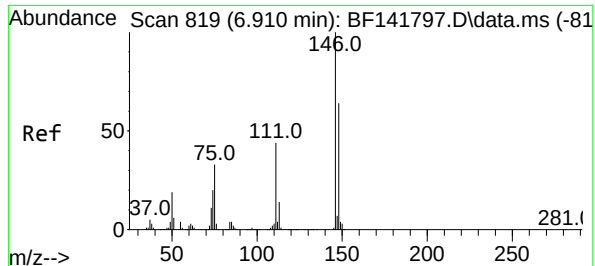
Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025



#12  
1,3-Dichlorobenzene  
Concen: 72.103 ng  
RT: 6.834 min Scan# 806  
Delta R.T. -0.000 min  
Lab File: BF141800.D  
Acq: 27 Feb 2025 18:45

Tgt Ion:146 Resp: 1510694  
Ion Ratio Lower Upper  
146 100  
148 64.8 51.8 77.6  
75 35.2 26.2 39.4





#13

1,4-Dichlorobenzene

Concen: 72.097 ng

RT: 6.910 min Scan# 819

Delta R.T. -0.000 min

Lab File: BF141800.D

Acq: 27 Feb 2025 18:45

Instrument :

BNA\_F

ClientSampleId :

SSTDICC080

Tgt Ion:146 Resp: 152204

Ion Ratio Lower Upper

146 100

148 63.9 51.4 77.2

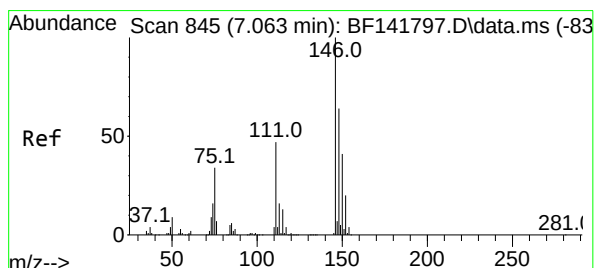
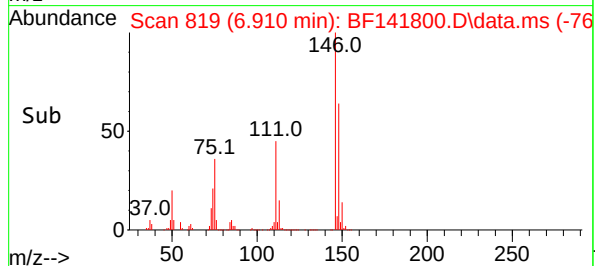
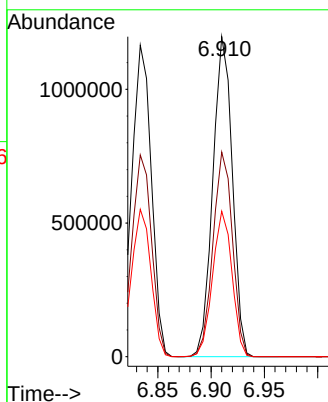
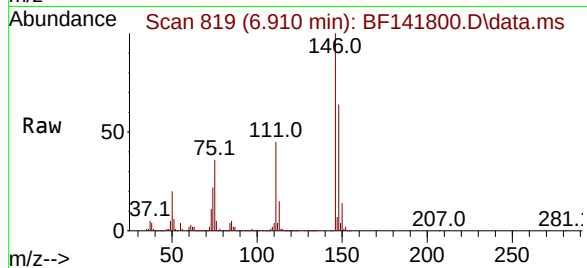
111 45.5 35.5 53.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/28/2025

Supervised By :mohammad ahmed 02/28/2025



#14

1,2-Dichlorobenzene

Concen: 69.519 ng

RT: 7.069 min Scan# 846

Delta R.T. 0.006 min

Lab File: BF141800.D

Acq: 27 Feb 2025 18:45

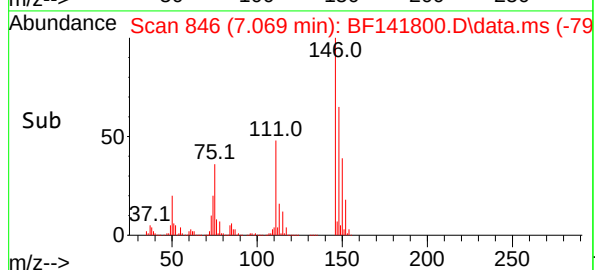
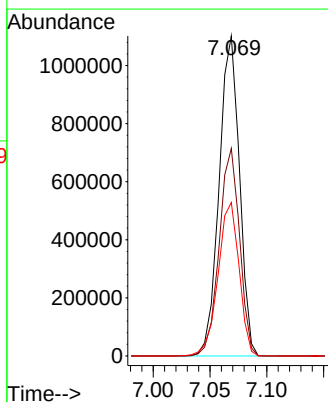
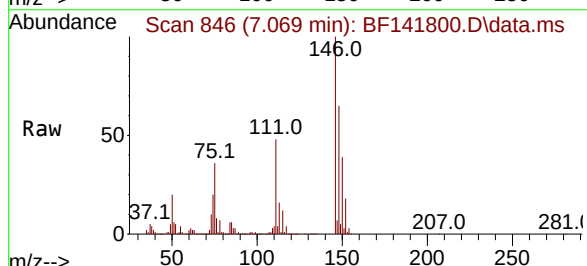
Tgt Ion:146 Resp: 1370457

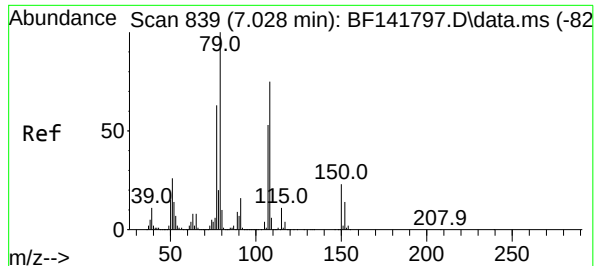
Ion Ratio Lower Upper

146 100

148 64.9 51.2 76.8

111 48.0 37.8 56.6





#15

Benzyl Alcohol

Concen: 72.454 ng

RT: 7.034 min Scan# 840

Delta R.T. 0.006 min

Lab File: BF141800.D

Acq: 27 Feb 2025 18:45

Instrument :

BNA\_F

ClientSampleId :

SSTDICC080

Tgt Ion: 79 Resp: 136309

Ion Ratio Lower Upper

79 100

108 73.9 60.2 90.2

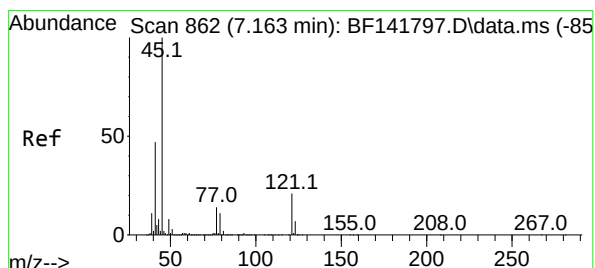
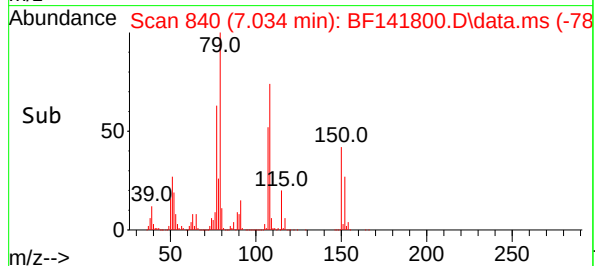
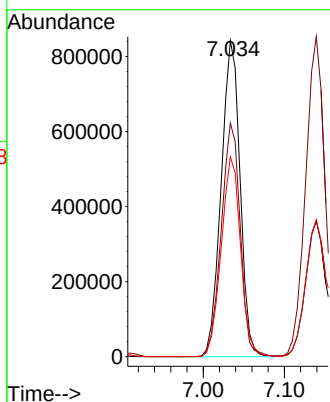
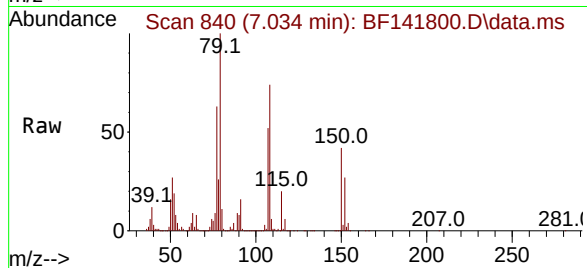
77 63.2 50.2 75.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/28/2025

Supervised By :mohammad ahmed 02/28/2025



#16

2,2'-oxybis(1-Chloropropane)

Concen: 71.973 ng

RT: 7.169 min Scan# 863

Delta R.T. 0.006 min

Lab File: BF141800.D

Acq: 27 Feb 2025 18:45

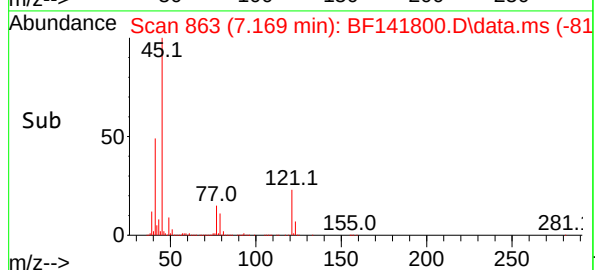
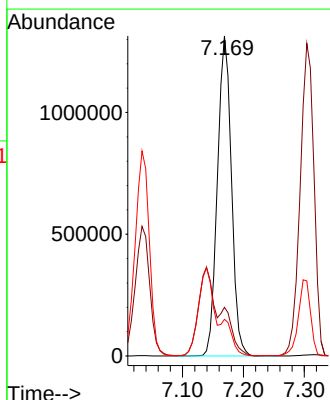
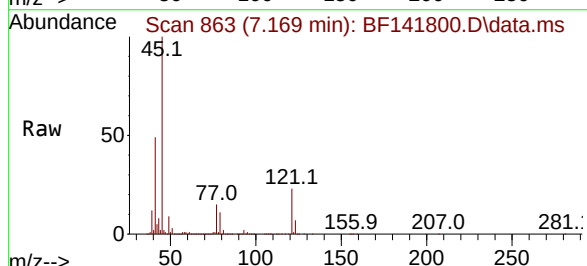
Tgt Ion: 45 Resp: 2095843

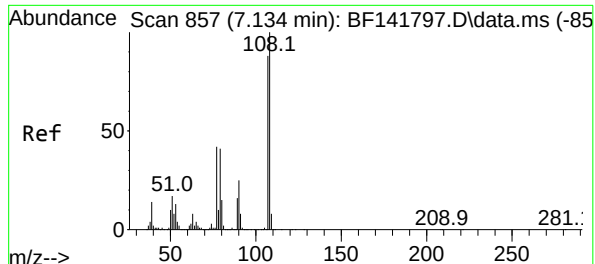
Ion Ratio Lower Upper

45 100

77 15.2 0.0 34.4

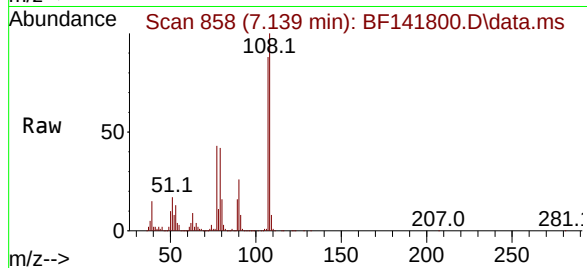
79 11.5 0.0 30.9





#17  
2-Methylphenol  
Concen: 75.016 ng  
RT: 7.139 min Scan# 857  
Delta R.T. 0.006 min  
Lab File: BF141800.D  
Acq: 27 Feb 2025 18:45

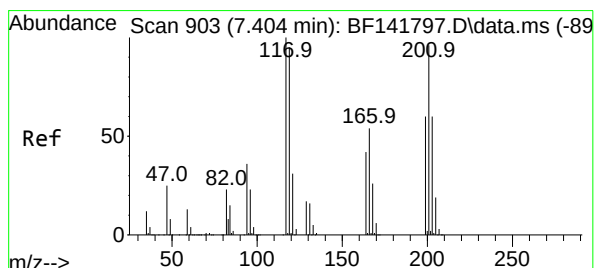
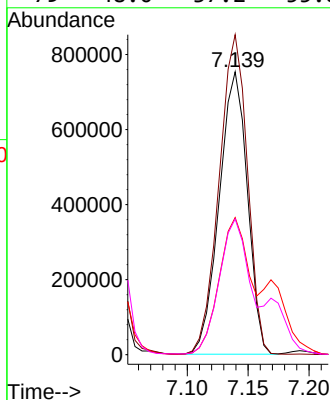
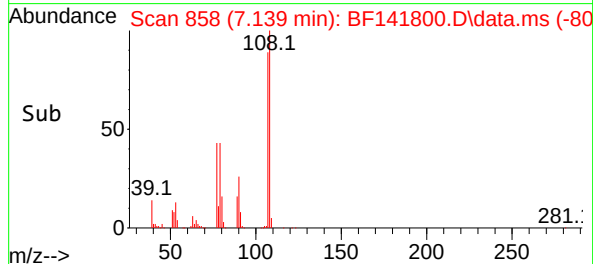
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC080



Tgt Ion:107 Resp: 121143  
Ion Ratio Lower Upper  
107 100  
108 113.1 90.6 135.8  
77 48.5 37.7 56.5  
79 48.0 37.2 55.8

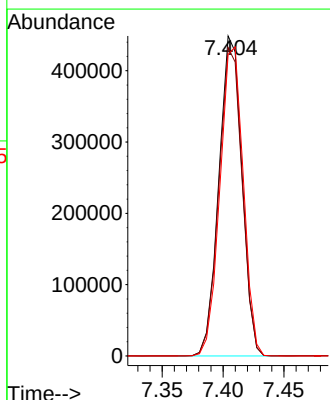
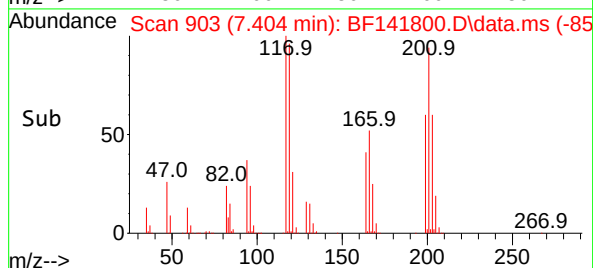
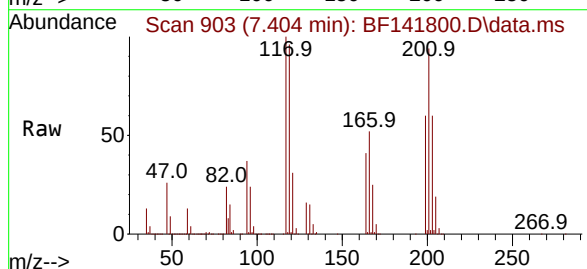
Manual Integrations  
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Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025

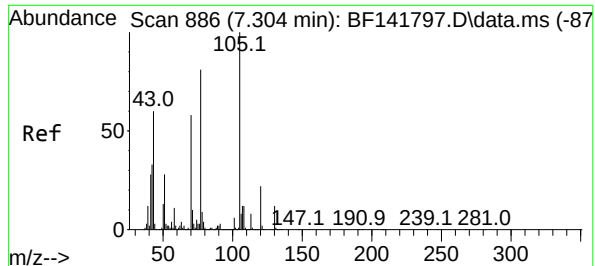


#18  
Hexachloroethane  
Concen: 75.056 ng  
RT: 7.404 min Scan# 903  
Delta R.T. -0.000 min  
Lab File: BF141800.D  
Acq: 27 Feb 2025 18:45

Tgt Ion:117 Resp: 593057  
Ion Ratio Lower Upper  
117 100  
119 96.3 75.8 113.8  
201 94.2 76.7 115.1







#19

n-Nitroso-di-n-propylamine

Concen: 72.793 ng

RT: 7.322 min Scan# 889

Delta R.T. 0.017 min

Lab File: BF141800.D

Acq: 27 Feb 2025 18:45

Instrument :

BNA\_F

ClientSampleId :

SSTDICC080

Tgt Ion: 70 Resp: 112642

Ion Ratio Lower Upper

70 100

42 55.3 45.4 68.0

101 9.8 7.8 11.8

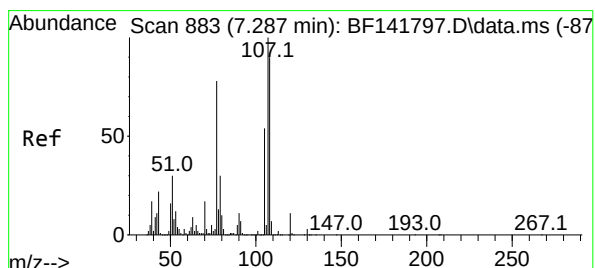
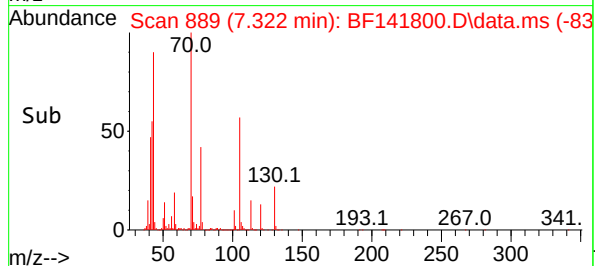
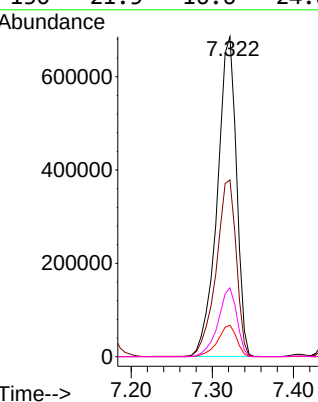
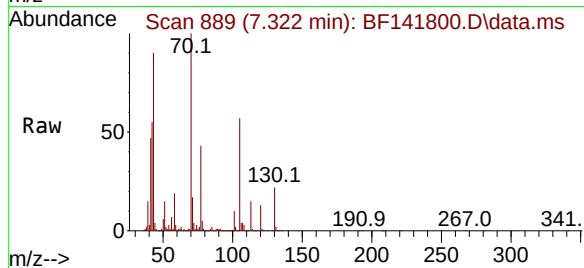
130 21.5 16.6 24.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/28/2025

Supervised By :mohammad ahmed 02/28/2025



#20

3+4-Methylphenols

Concen: 68.816 ng

RT: 7.298 min Scan# 885

Delta R.T. 0.012 min

Lab File: BF141800.D

Acq: 27 Feb 2025 18:45

Tgt Ion:107 Resp: 1383814

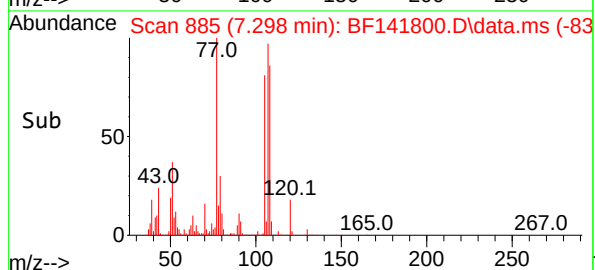
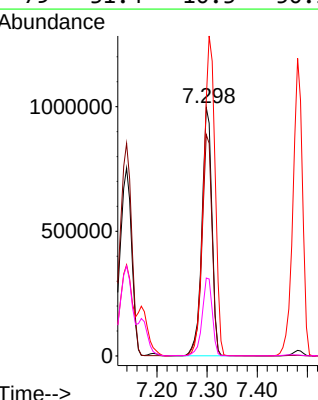
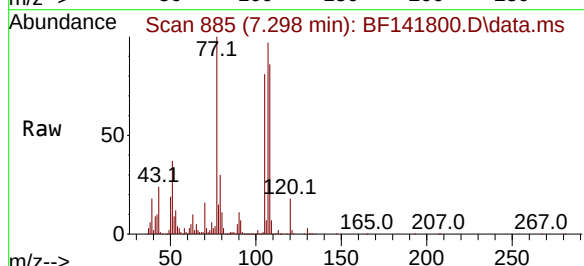
Ion Ratio Lower Upper

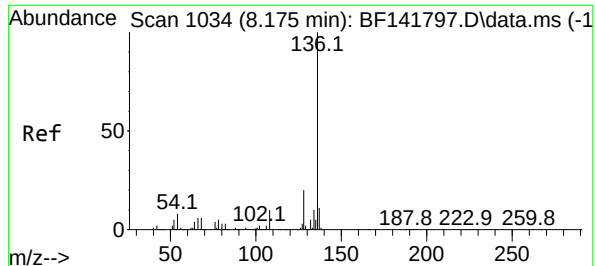
107 100

108 89.1 69.7 109.7

77 103.3 58.3 98.3#

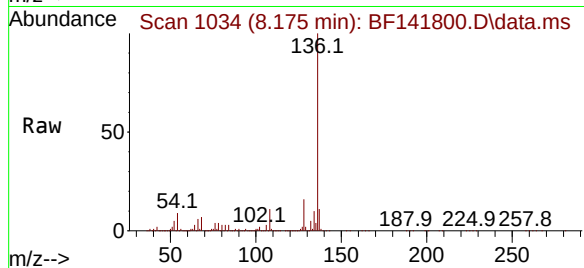
79 31.4 10.3 50.3





#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.175 min Scan# 1034  
Delta R.T. -0.000 min  
Lab File: BF141800.D  
Acq: 27 Feb 2025 18:45

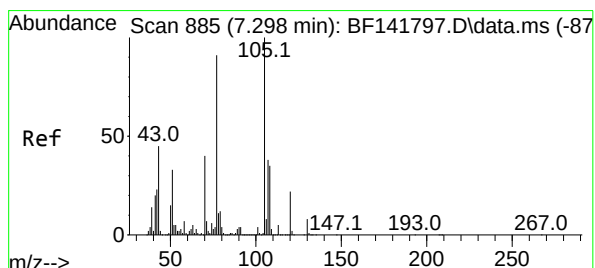
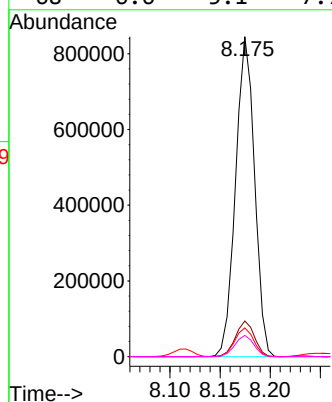
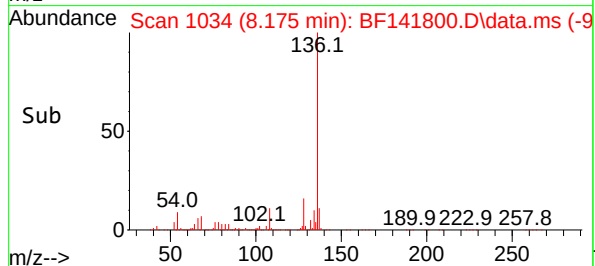
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC080



Tgt Ion:136 Resp: 1114934  
Ion Ratio Lower Upper  
136 100  
137 11.2 8.9 13.3  
54 9.0 6.9 10.3  
68 6.6 5.1 7.7

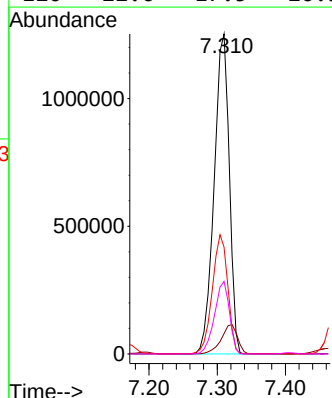
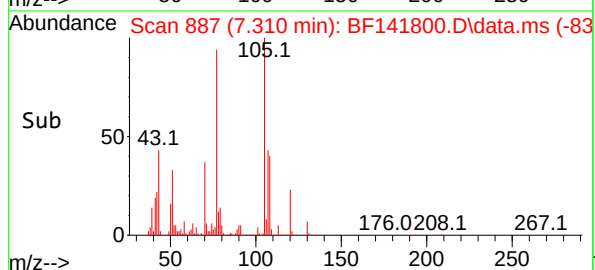
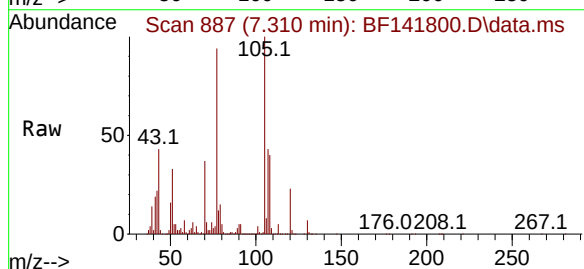
Manual Integrations  
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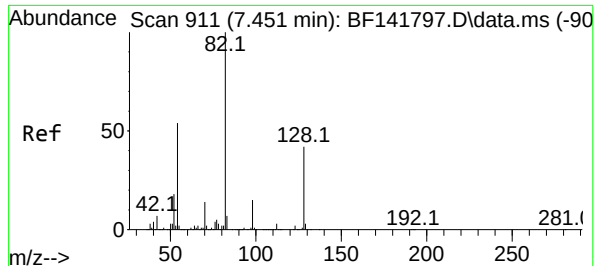
Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025



#22  
Acetophenone  
Concen: 71.209 ng  
RT: 7.310 min Scan# 887  
Delta R.T. 0.012 min  
Lab File: BF141800.D  
Acq: 27 Feb 2025 18:45

Tgt Ion:105 Resp: 1933636  
Ion Ratio Lower Upper  
105 100  
71 6.3 5.4 8.0  
51 33.4 26.1 39.1  
120 22.6 17.5 26.3





#23

Nitrobenzene-d5

Concen: 173.576 ng

RT: 7.463 min Scan# 911

Delta R.T. 0.011 min

Lab File: BF141800.D

Acq: 27 Feb 2025 18:45

Instrument :

BNA\_F

ClientSampleId :

SSTDICC080

Tgt Ion: 82 Resp: 3027619

Ion Ratio Lower Upper

82 100

128 44.0 33.5 50.3

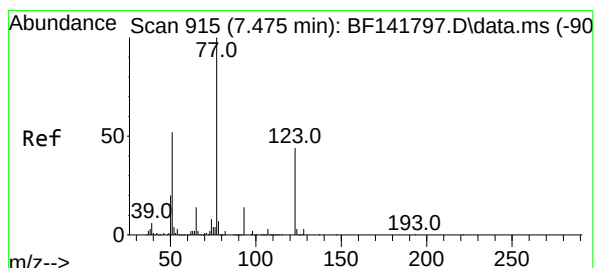
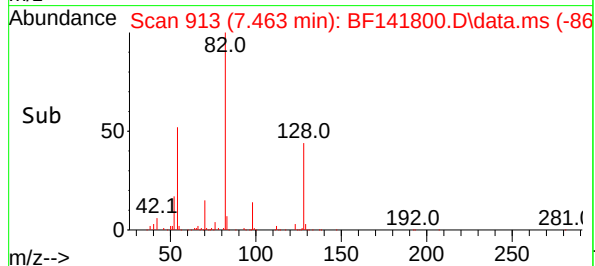
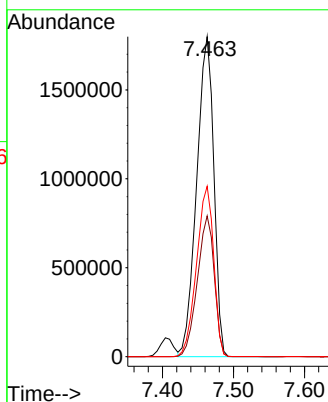
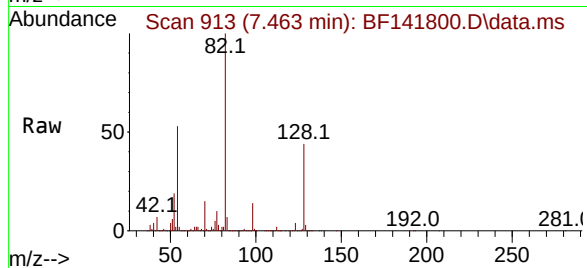
54 53.3 42.7 64.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/28/2025

Supervised By :mohammad ahmed 02/28/2025



#24

Nitrobenzene

Concen: 84.587 ng

RT: 7.481 min Scan# 916

Delta R.T. 0.006 min

Lab File: BF141800.D

Acq: 27 Feb 2025 18:45

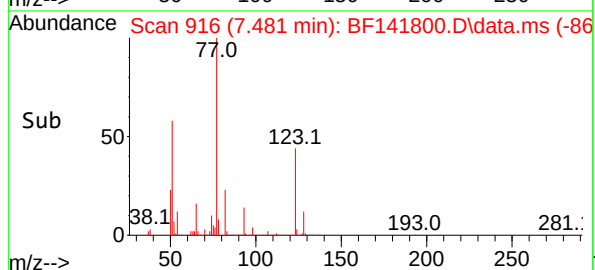
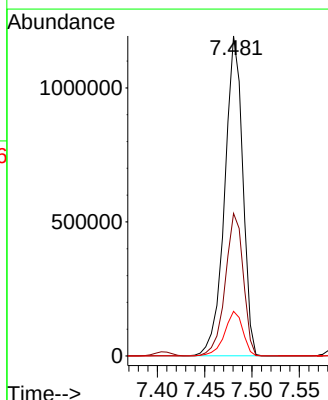
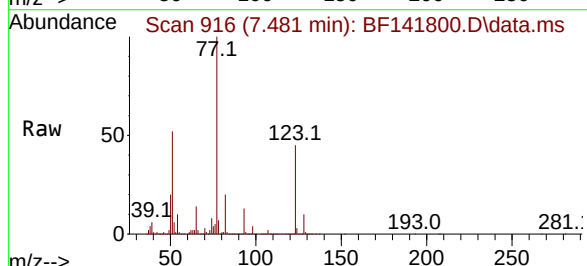
Tgt Ion: 77 Resp: 1579955

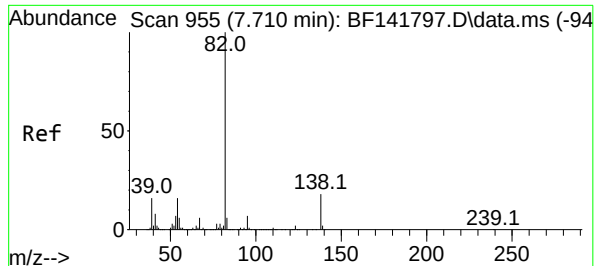
Ion Ratio Lower Upper

77 100

123 44.5 35.8 53.8

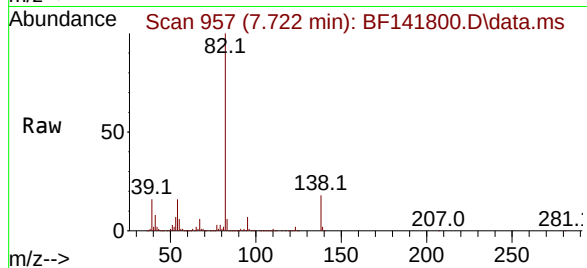
65 14.0 11.2 16.8





#25  
Isophorone  
Concen: 77.230 ng  
RT: 7.722 min Scan# 91  
Delta R.T. 0.012 min  
Lab File: BF141800.D  
Acq: 27 Feb 2025 18:45

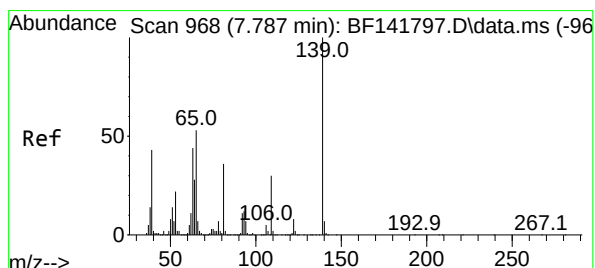
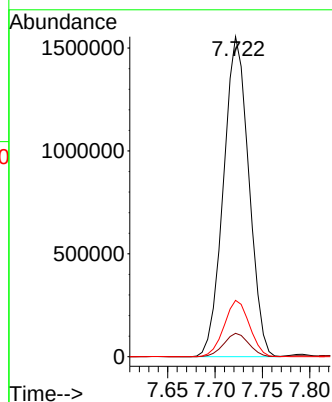
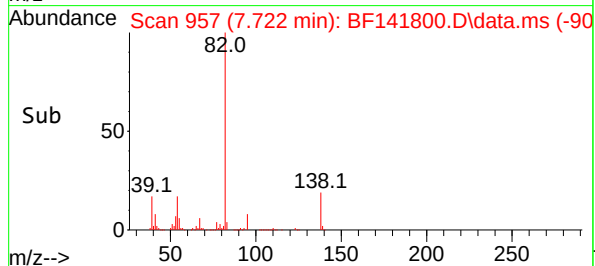
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC080



Tgt Ion: 82 Resp: 289404  
Ion Ratio Lower Upper  
82 100  
95 7.3 5.8 8.8  
138 17.6 14.0 21.0

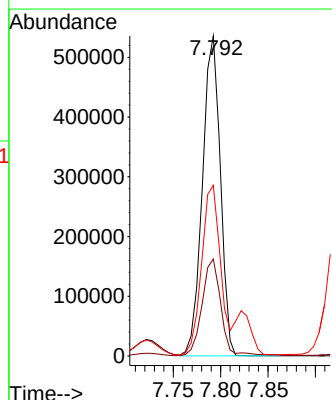
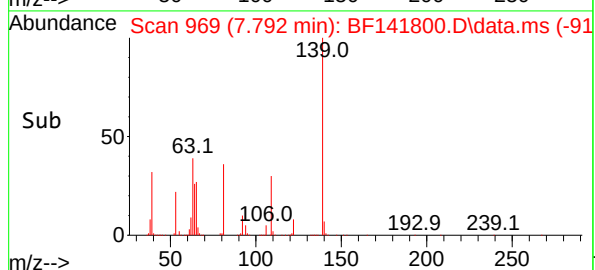
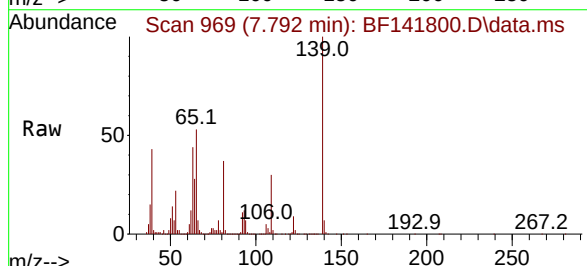
Manual Integrations  
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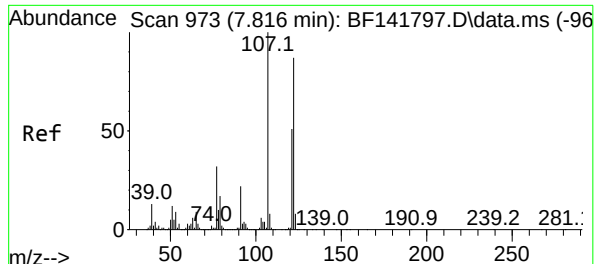
Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025



#26  
2-Nitrophenol  
Concen: 81.046 ng  
RT: 7.792 min Scan# 969  
Delta R.T. 0.005 min  
Lab File: BF141800.D  
Acq: 27 Feb 2025 18:45

Tgt Ion:139 Resp: 705125  
Ion Ratio Lower Upper  
139 100  
109 30.3 24.1 36.1  
65 53.3 42.3 63.5





#27

2,4-Dimethylphenol

Concen: 76.304 ng

RT: 7.822 min Scan# 91

Delta R.T. 0.006 min

Lab File: BF141800.D

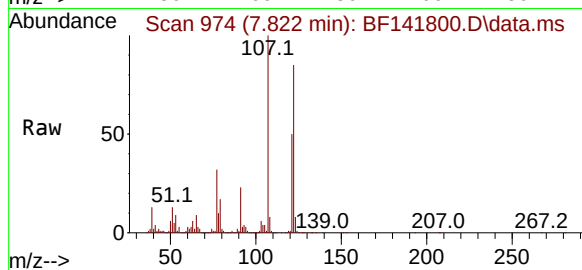
Acq: 27 Feb 2025 18:45

Instrument :

BNA\_F

ClientSampleId :

SSTDICC080



Tgt Ion:122 Resp: 1051070

Ion Ratio Lower Upper

122 100

107 117.2 92.5 138.7

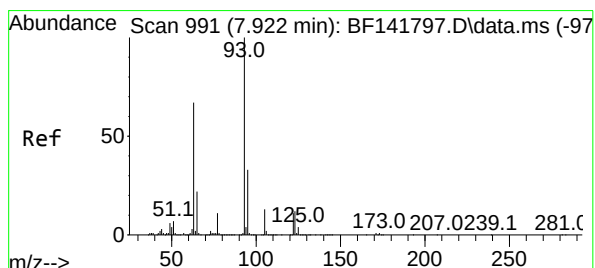
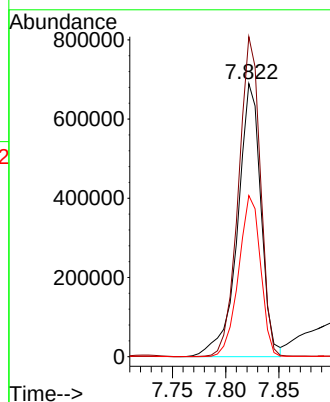
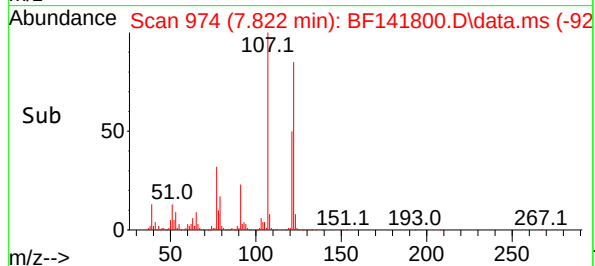
121 59.0 47.1 70.7

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Reviewed By :Yogesh Patel 02/28/2025

Supervised By :mohammad ahmed 02/28/2025



#28

bis(2-Chloroethoxy)methane

Concen: 73.596 ng

RT: 7.928 min Scan# 992

Delta R.T. 0.006 min

Lab File: BF141800.D

Acq: 27 Feb 2025 18:45

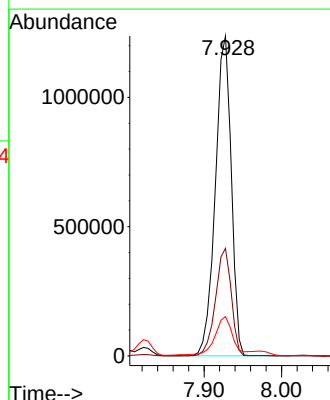
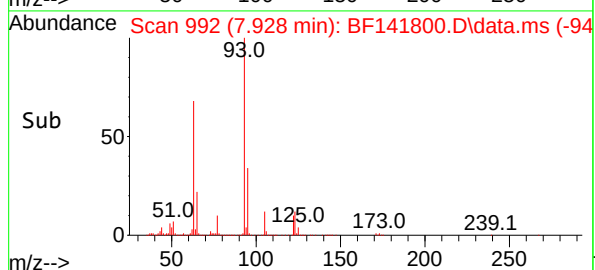
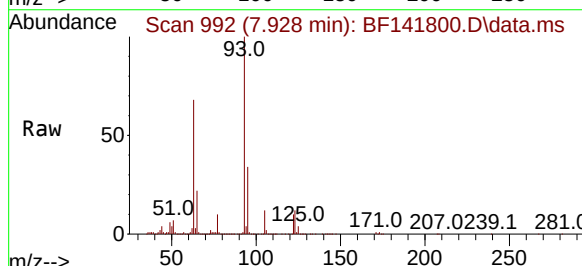
Tgt Ion: 93 Resp: 1759255

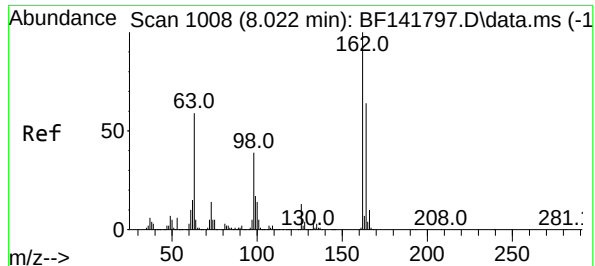
Ion Ratio Lower Upper

93 100

95 33.7 26.5 39.7

123 12.3 10.0 15.0





#29

2,4-Dichlorophenol

Concen: 77.239 ng

RT: 8.028 min Scan# 1009

Delta R.T. 0.006 min

Lab File: BF141800.D

Acq: 27 Feb 2025 18:45

Instrument :

BNA\_F

ClientSampleId :

SSTDICC080

Tgt Ion:162 Resp: 1227409

Ion Ratio Lower Upper

162 100

164 64.4 44.3 84.3

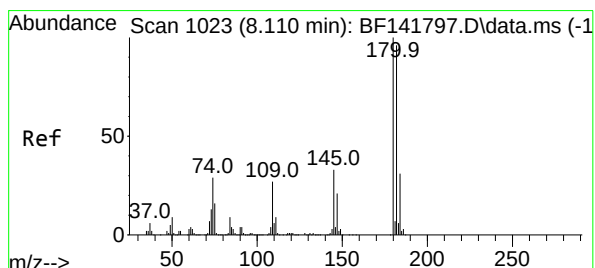
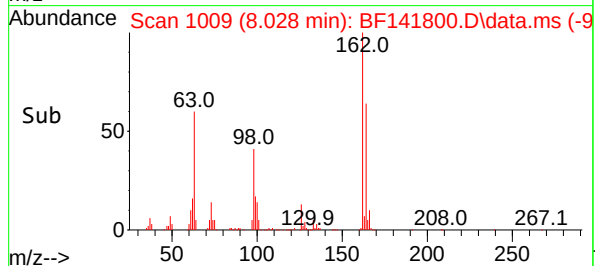
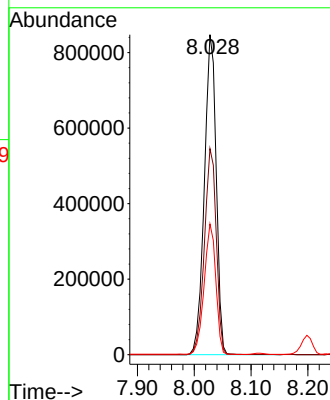
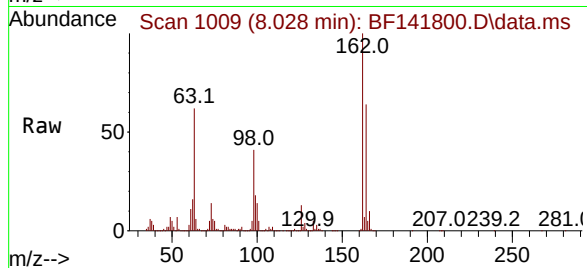
98 40.8 19.6 59.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/28/2025

Supervised By :mohammad ahmed 02/28/2025



#30

1,2,4-Trichlorobenzene

Concen: 74.888 ng

RT: 8.116 min Scan# 1024

Delta R.T. 0.006 min

Lab File: BF141800.D

Acq: 27 Feb 2025 18:45

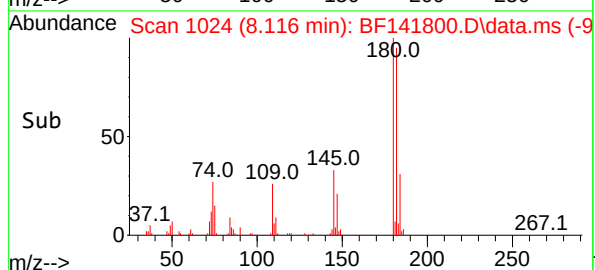
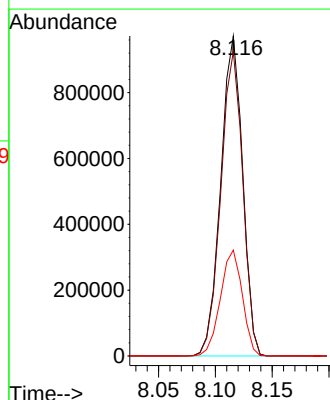
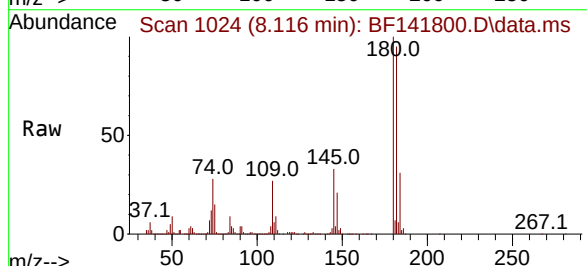
Tgt Ion:180 Resp: 1304033

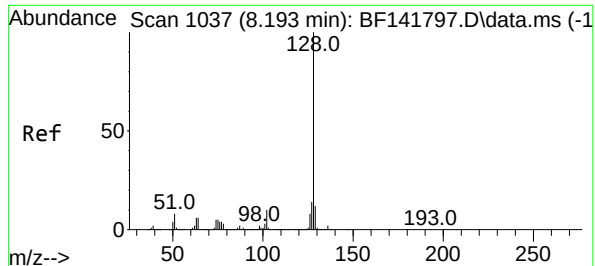
Ion Ratio Lower Upper

180 100

182 95.1 76.8 115.2

145 33.1 26.4 39.6





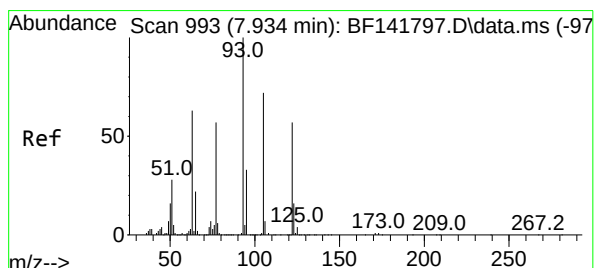
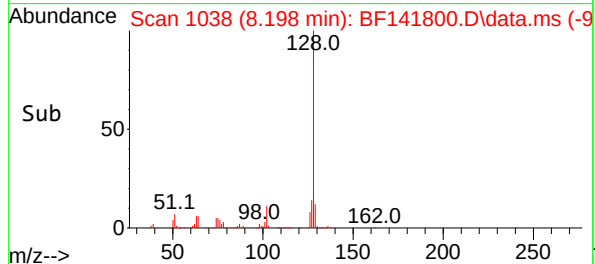
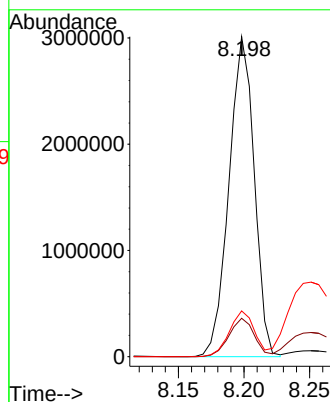
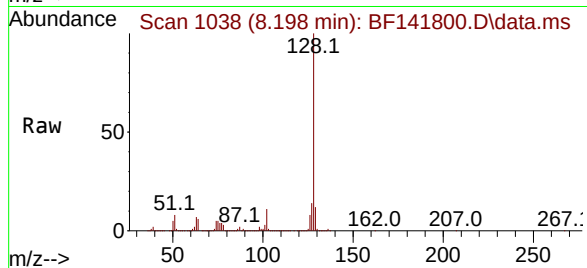
#31  
Naphthalene  
Concen: 70.504 ng  
RT: 8.198 min Scan# 1037  
Delta R.T. 0.006 min  
Lab File: BF141800.D  
Acq: 27 Feb 2025 18:45

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC080

Tgt Ion:128 Resp: 4040110  
Ion Ratio Lower Upper  
128 100  
129 12.0 9.2 13.8  
127 14.3 11.0 16.4

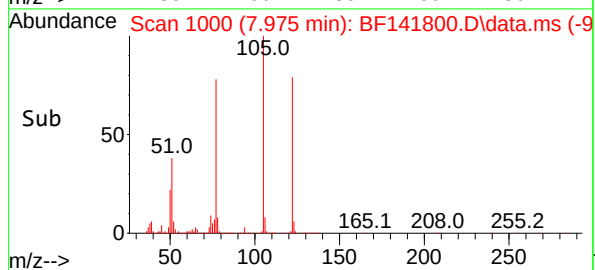
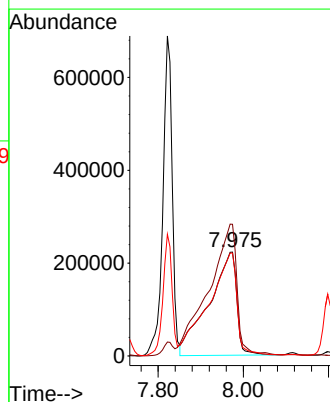
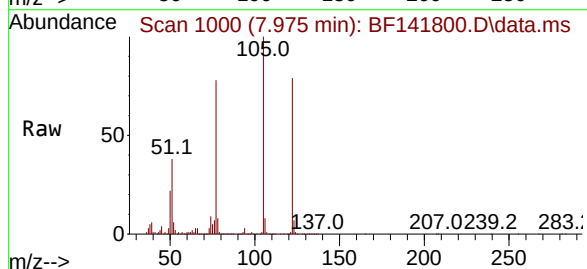
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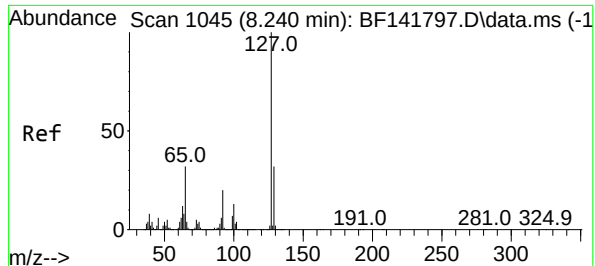
Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025



#32  
Benzoic acid  
Concen: 81.363 ng  
RT: 7.975 min Scan# 1000  
Delta R.T. 0.041 min  
Lab File: BF141800.D  
Acq: 27 Feb 2025 18:45

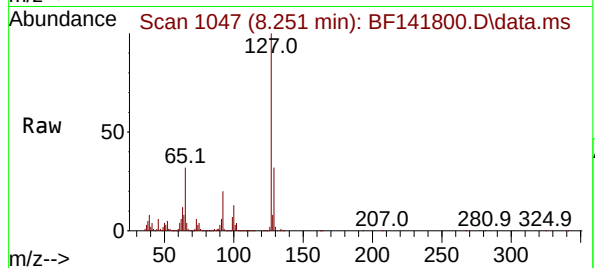
Tgt Ion:122 Resp: 1008619  
Ion Ratio Lower Upper  
122 100  
105 126.8 105.8 145.8  
77 99.0 79.9 119.9





#33  
4-Chloroaniline  
Concen: 76.489 ng  
RT: 8.251 min Scan# 1047  
Delta R.T. 0.012 min  
Lab File: BF141800.D  
Acq: 27 Feb 2025 18:45

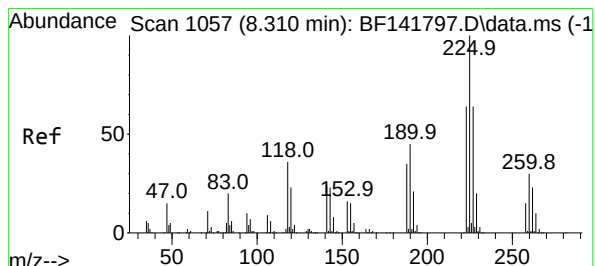
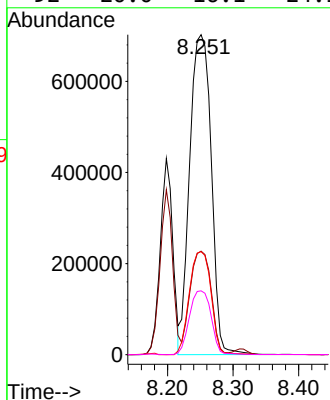
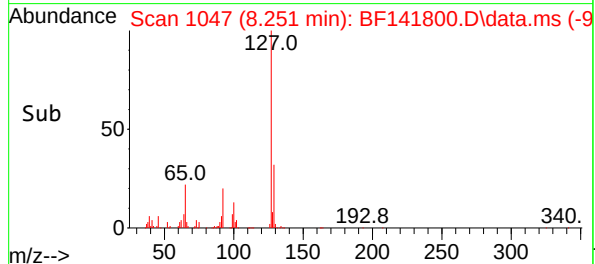
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC080



Tgt Ion:127 Resp: 1607098  
Ion Ratio Lower Upper  
127 100  
129 32.3 26.1 39.1  
65 32.2 25.7 38.5  
92 20.0 16.1 24.1

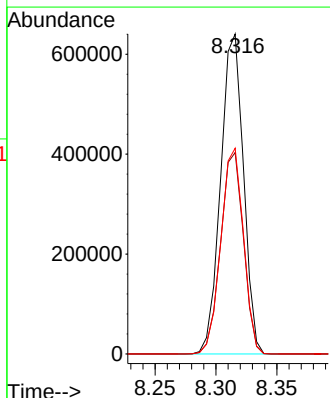
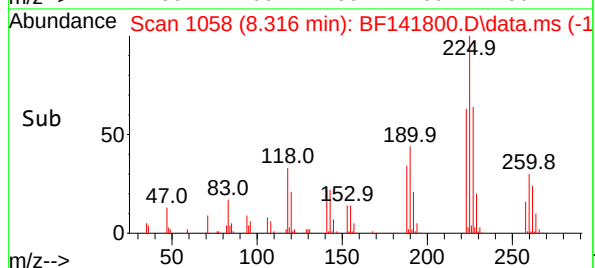
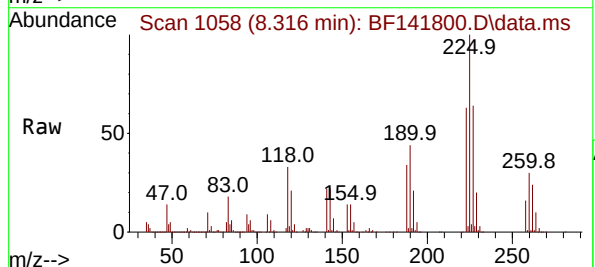
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Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025

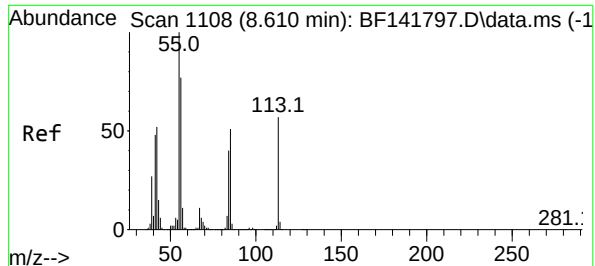


#34  
Hexachlorobutadiene  
Concen: 77.265 ng  
RT: 8.316 min Scan# 1058  
Delta R.T. 0.006 min  
Lab File: BF141800.D  
Acq: 27 Feb 2025 18:45

Tgt Ion:225 Resp: 836069  
Ion Ratio Lower Upper  
225 100  
223 63.0 51.4 77.2  
227 64.3 51.6 77.4

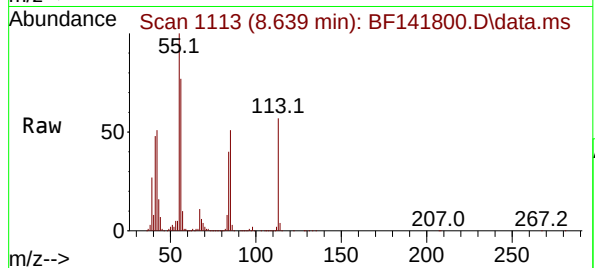






#35  
Caprolactam  
Concen: 78.359 ng  
RT: 8.639 min Scan# 1108  
Delta R.T. 0.029 min  
Lab File: BF141800.D  
Acq: 27 Feb 2025 18:45

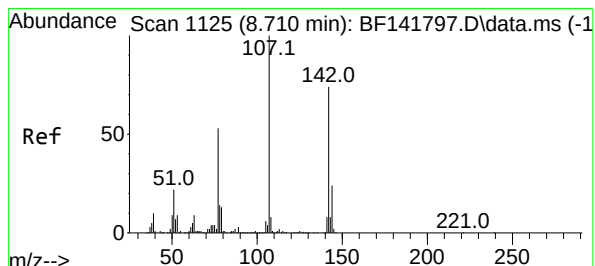
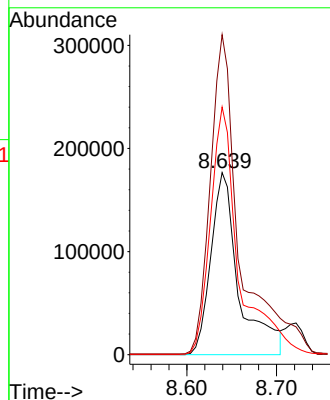
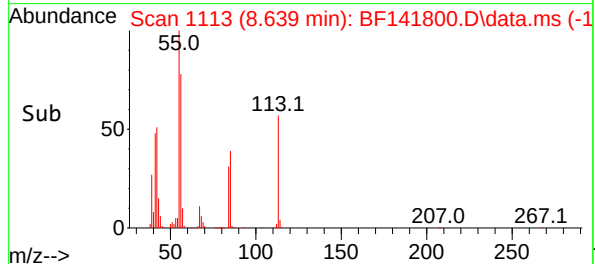
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC080



Tgt Ion:113 Resp: 383149  
Ion Ratio Lower Upper  
113 100  
55 175.7 155.6 195.6  
56 136.0 114.6 154.6

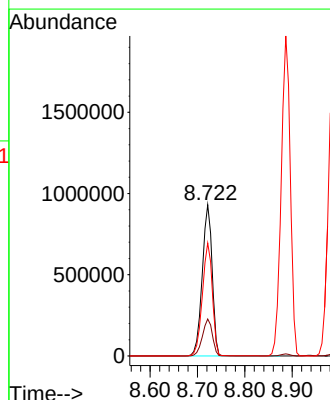
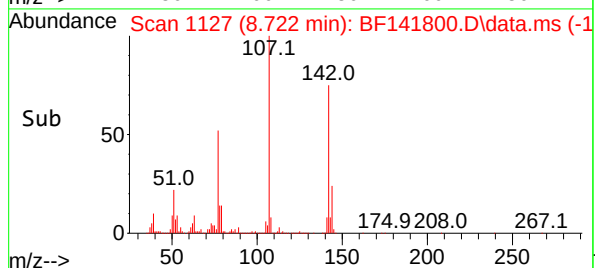
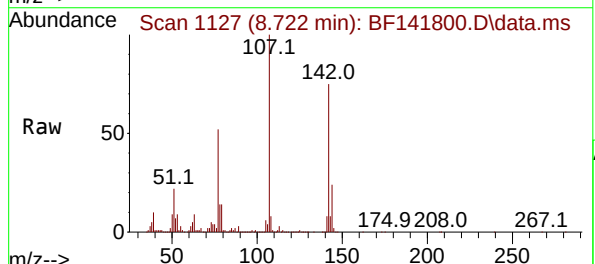
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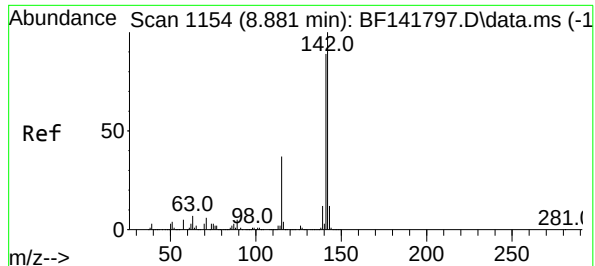
Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025



#36  
4-Chloro-3-methylphenol  
Concen: 76.431 ng  
RT: 8.722 min Scan# 1127  
Delta R.T. 0.012 min  
Lab File: BF141800.D  
Acq: 27 Feb 2025 18:45

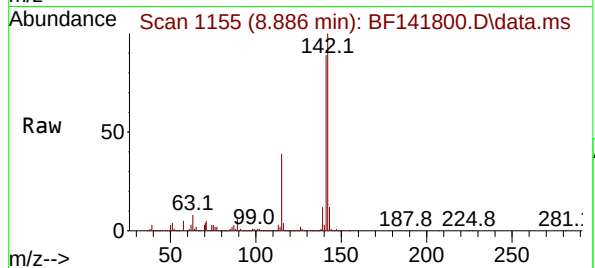
Tgt Ion:107 Resp: 1349234  
Ion Ratio Lower Upper  
107 100  
144 24.4 19.4 29.0  
142 74.7 59.4 89.0





#37  
2-Methylnaphthalene  
Concen: 70.167 ng  
RT: 8.886 min Scan# 1154  
Delta R.T. 0.006 min  
Lab File: BF141800.D  
Acq: 27 Feb 2025 18:45

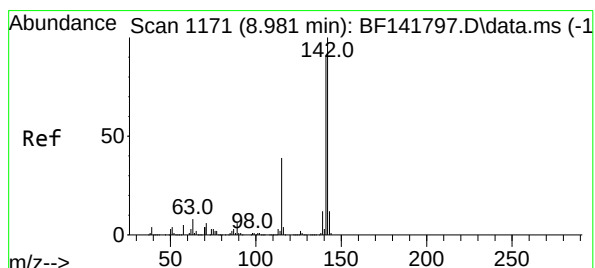
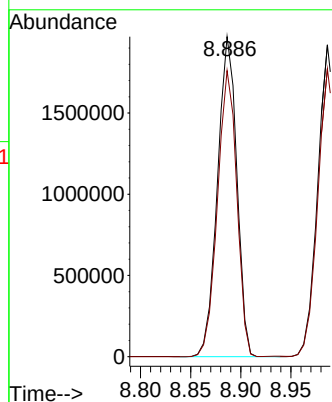
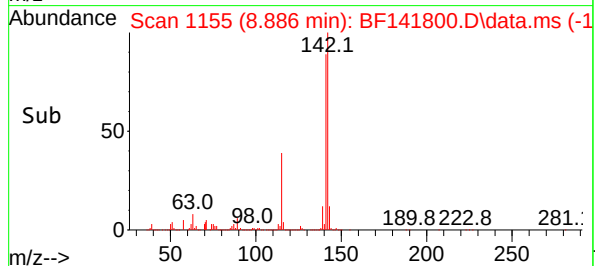
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC080



Tgt Ion:142 Resp: 2637302  
Ion Ratio Lower Upper  
142 100  
141 89.4 71.1 106.7

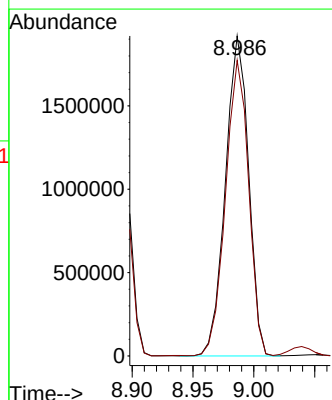
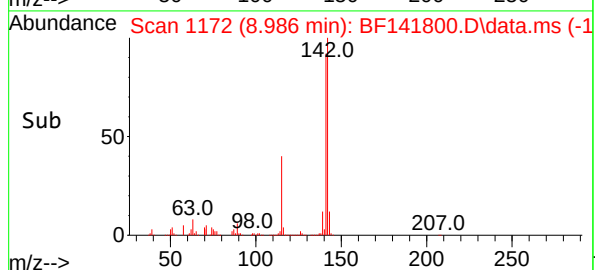
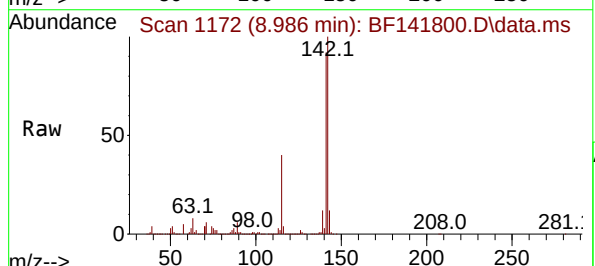
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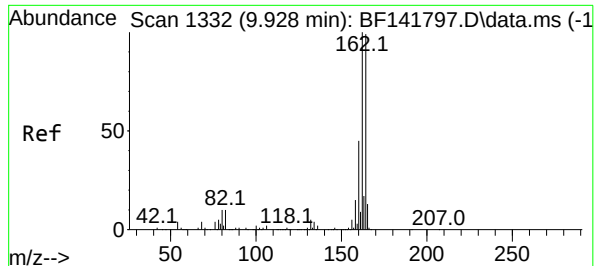
Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025



#38  
1-Methylnaphthalene  
Concen: 70.457 ng  
RT: 8.986 min Scan# 1172  
Delta R.T. 0.006 min  
Lab File: BF141800.D  
Acq: 27 Feb 2025 18:45

Tgt Ion:142 Resp: 2541019  
Ion Ratio Lower Upper  
142 100  
141 92.3 73.1 109.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.927 min Scan# 1182

Delta R.T. -0.000 min

Lab File: BF141800.D

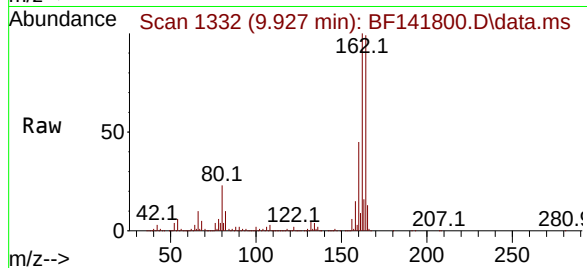
Acq: 27 Feb 2025 18:45

Instrument :

BNA\_F

ClientSampleId :

SSTDICC080



Tgt Ion:164 Resp: 596680

Ion Ratio Lower Upper

164 100

162 100.9 80.6 120.8

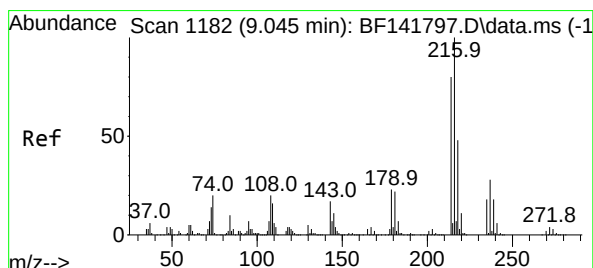
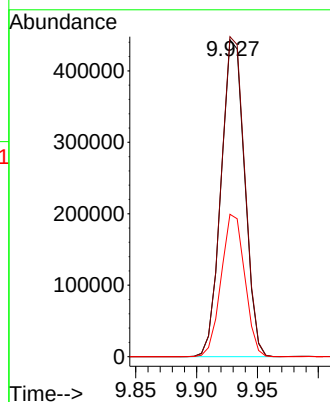
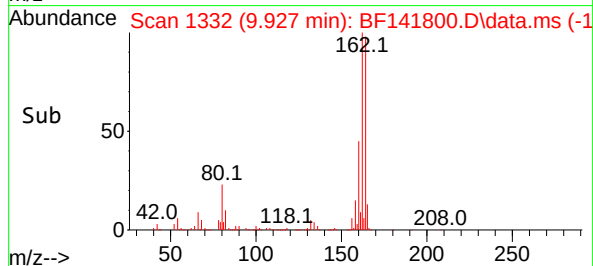
160 44.9 36.3 54.5

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Reviewed By :Yogesh Patel 02/28/2025

Supervised By :mohammad ahmed 02/28/2025



#40

1,2,4,5-Tetrachlorobenzene

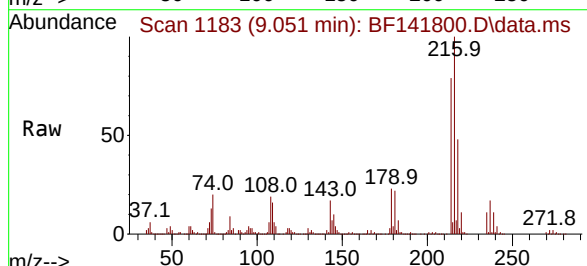
Concen: 74.773 ng

RT: 9.051 min Scan# 1183

Delta R.T. 0.006 min

Lab File: BF141800.D

Acq: 27 Feb 2025 18:45



Tgt Ion:216 Resp: 1288540

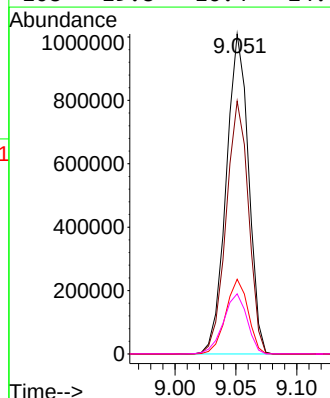
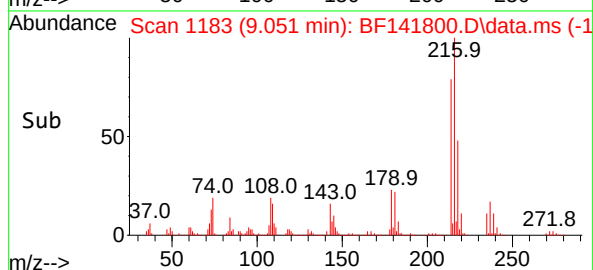
Ion Ratio Lower Upper

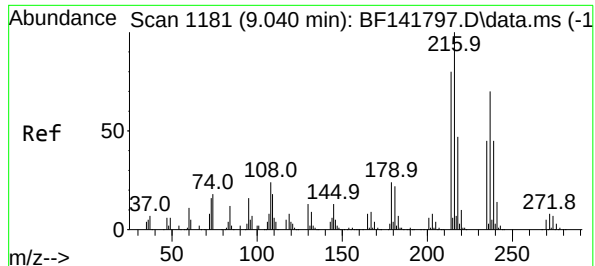
216 100

214 78.9 63.5 95.3

179 23.2 18.1 27.1

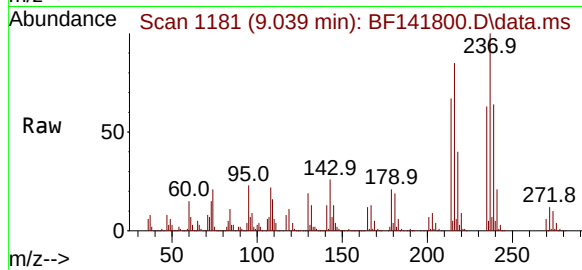
108 19.8 16.4 24.6





#41  
Hexachlorocyclopentadiene  
Concen: 78.461 ng  
RT: 9.039 min Scan# 1181  
Delta R.T. -0.000 min  
Lab File: BF141800.D  
Acq: 27 Feb 2025 18:45

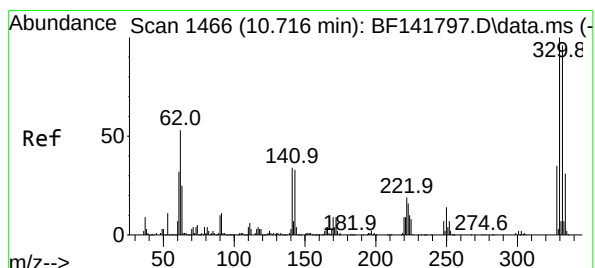
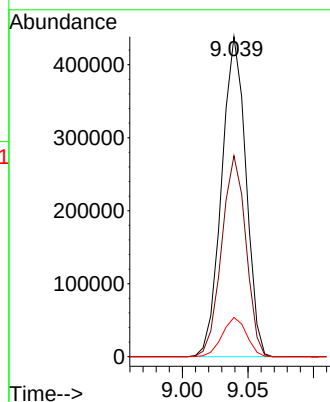
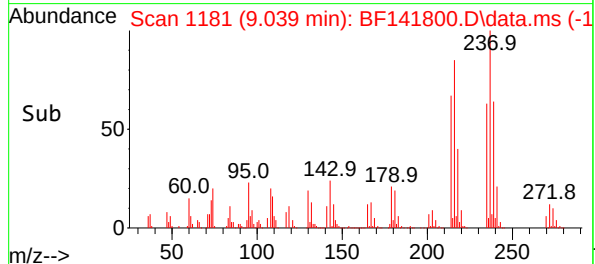
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC080



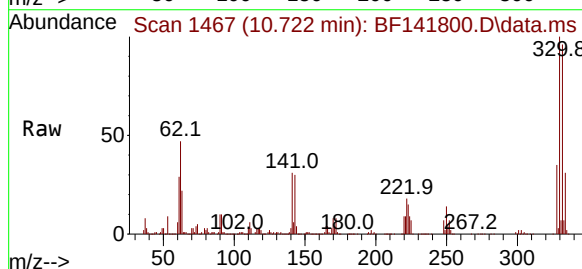
Tgt Ion:237 Resp: 564260  
Ion Ratio Lower Upper  
237 100  
235 62.8 43.3 83.3  
272 12.3 0.0 31.9

Manual Integrations  
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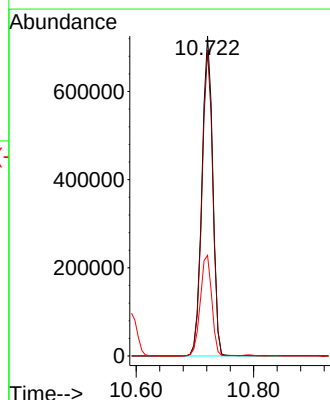
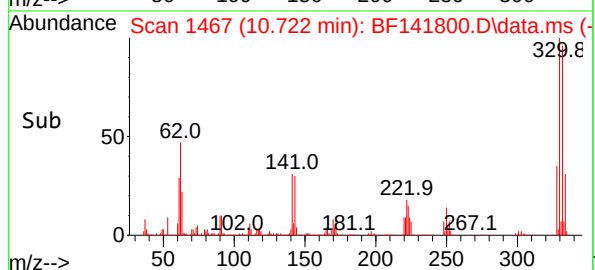
Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025

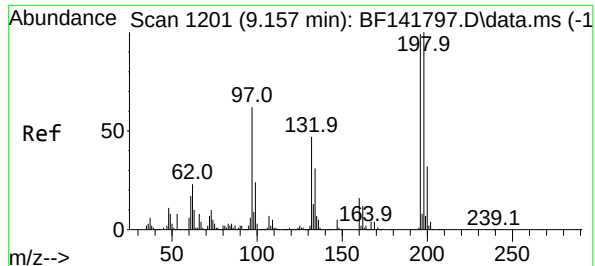


#42  
2,4,6-Tribromophenol  
Concen: 164.969 ng  
RT: 10.722 min Scan# 1467  
Delta R.T. 0.006 min  
Lab File: BF141800.D  
Acq: 27 Feb 2025 18:45



Tgt Ion:330 Resp: 924112  
Ion Ratio Lower Upper  
330 100  
332 95.4 76.6 115.0  
141 33.3 29.0 43.4





#43

2,4,6-Trichlorophenol

Concen: 80.742 ng

RT: 9.163 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF141800.D

Acq: 27 Feb 2025 18:45

Instrument :

BNA\_F

ClientSampleId :

SSTDICC080

Tgt Ion:196 Resp: 89879

Ion Ratio Lower Upper

196 100

198 99.7 80.4 120.6

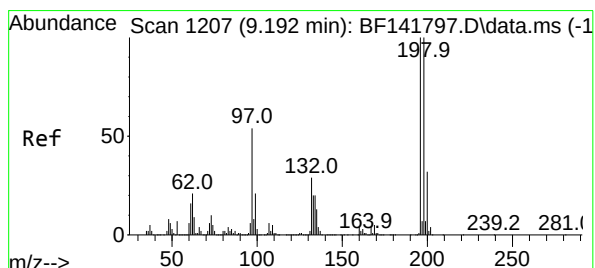
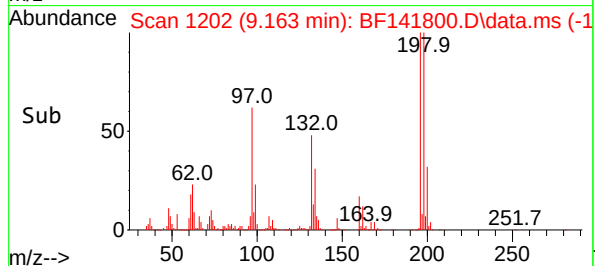
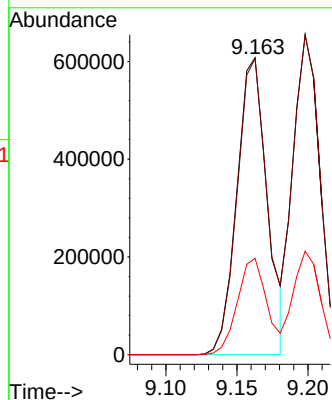
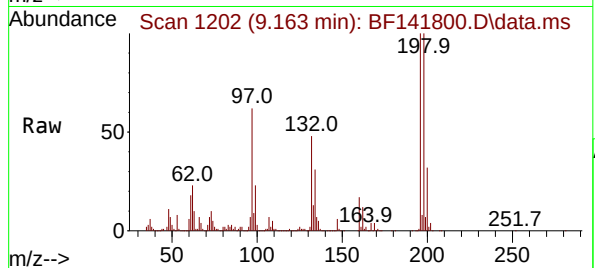
200 32.4 25.7 38.5

Manual Integrations

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Reviewed By :Yogesh Patel 02/28/2025

Supervised By :mohammad ahmed 02/28/2025



#44

2,4,5-Trichlorophenol

Concen: 77.984 ng

RT: 9.198 min Scan# 1208

Delta R.T. 0.006 min

Lab File: BF141800.D

Acq: 27 Feb 2025 18:45

Tgt Ion:196 Resp: 859610

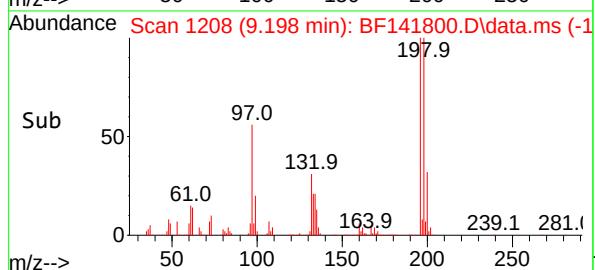
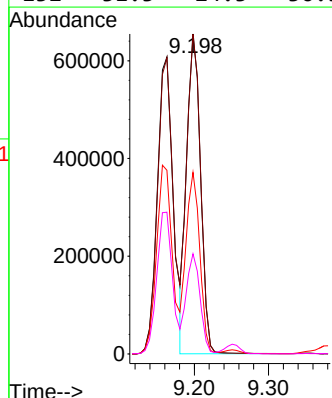
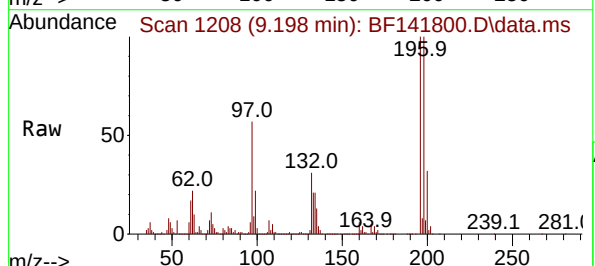
Ion Ratio Lower Upper

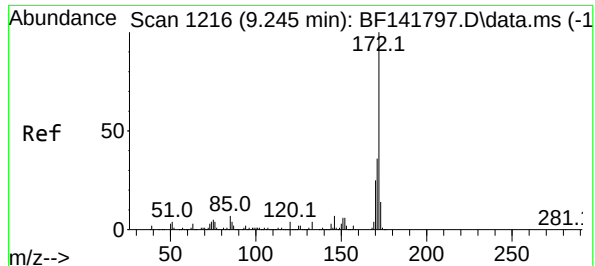
196 100

198 99.9 79.7 119.5

97 56.8 44.2 66.2

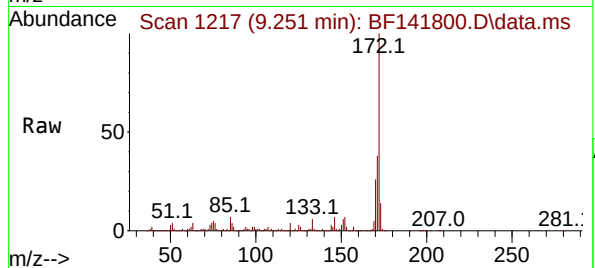
132 31.3 24.3 36.5





#45  
2-Fluorobiphenyl  
Concen: 134.541 ng  
RT: 9.251 min Scan# 1217  
Delta R.T. 0.006 min  
Lab File: BF141800.D  
Acq: 27 Feb 2025 18:45

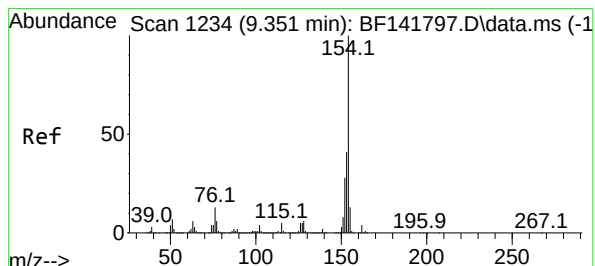
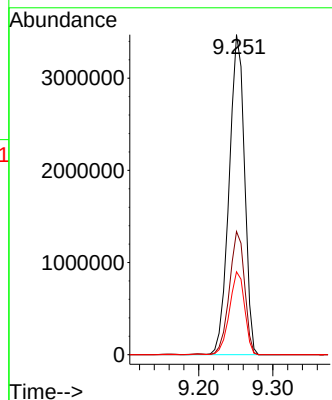
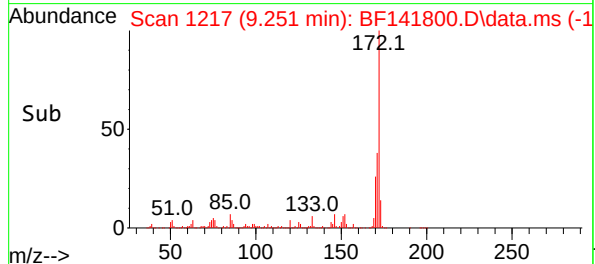
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC080



Tgt Ion:172 Resp: 5006600  
Ion Ratio Lower Upper  
172 100  
171 38.5 29.2 43.8  
170 25.9 19.7 29.5

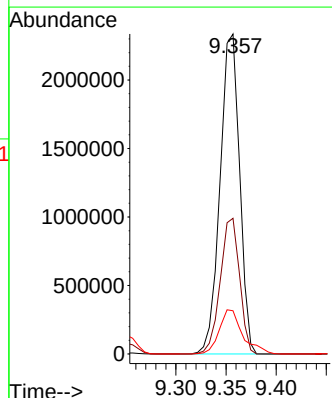
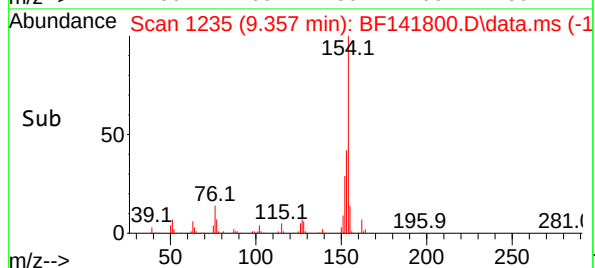
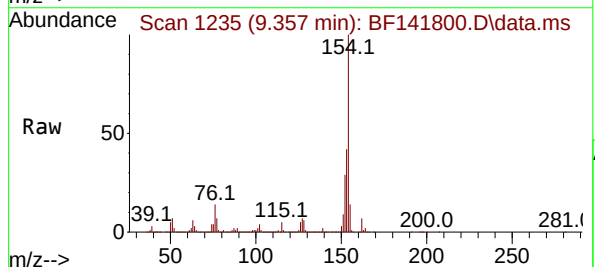
Manual Integrations  
APPROVED

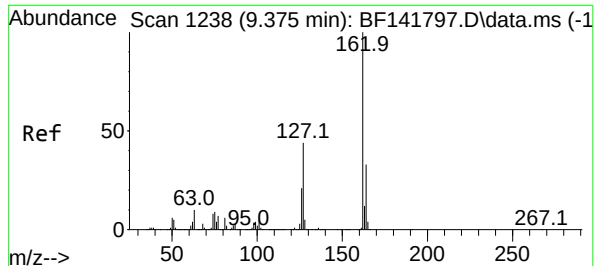
Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025



#46  
1,1'-Biphenyl  
Concen: 69.499 ng  
RT: 9.357 min Scan# 1235  
Delta R.T. 0.006 min  
Lab File: BF141800.D  
Acq: 27 Feb 2025 18:45

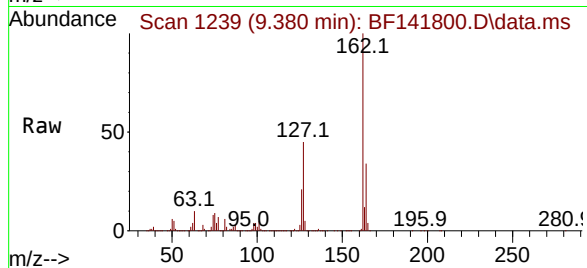
Tgt Ion:154 Resp: 3156440  
Ion Ratio Lower Upper  
154 100  
153 42.4 21.4 61.4  
76 13.5 0.0 33.4





#47  
2-Chloronaphthalene  
Concen: 71.641 ng  
RT: 9.380 min Scan# 1238  
Delta R.T. 0.006 min  
Lab File: BF141800.D  
Acq: 27 Feb 2025 18:45

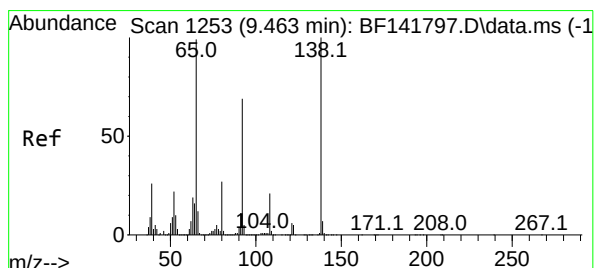
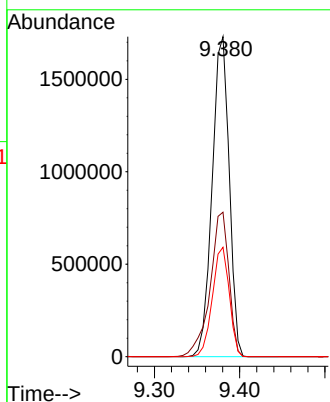
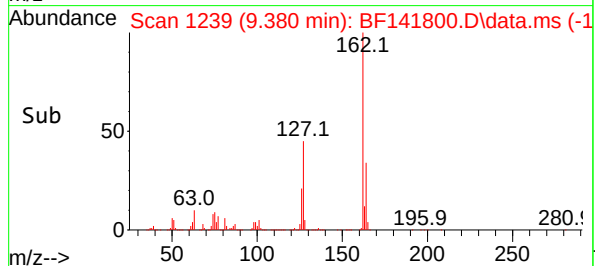
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC080



Tgt Ion:162 Resp: 2401468  
Ion Ratio Lower Upper  
162 100  
127 45.2 35.0 52.6  
164 34.2 26.6 40.0

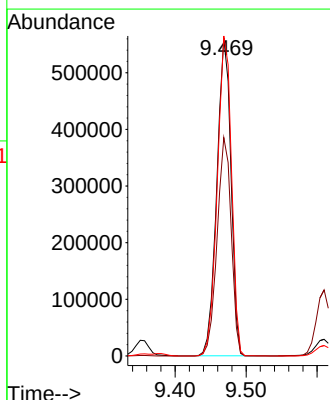
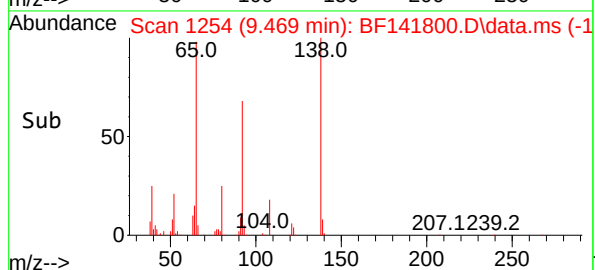
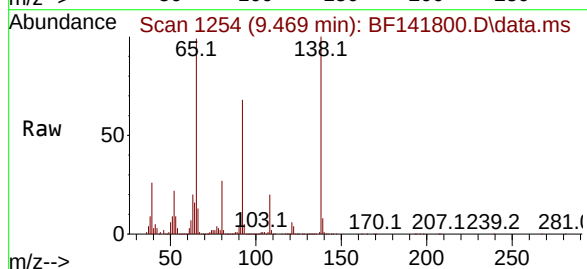
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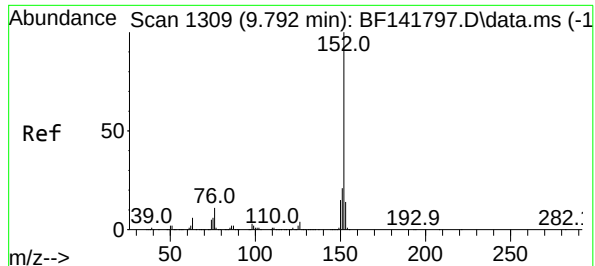
Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025



#48  
2-Nitroaniline  
Concen: 80.727 ng  
RT: 9.469 min Scan# 1254  
Delta R.T. 0.006 min  
Lab File: BF141800.D  
Acq: 27 Feb 2025 18:45

Tgt Ion: 65 Resp: 770567  
Ion Ratio Lower Upper  
65 100  
92 68.7 55.7 83.5  
138 100.7 80.6 121.0





#49

Acenaphthylene

Concen: 69.880 ng

RT: 9.792 min Scan# 1309

Delta R.T. -0.000 min

Lab File: BF141800.D

Acq: 27 Feb 2025 18:45

Instrument :

BNA\_F

ClientSampleId :

SSTDICC080

Tgt Ion:152 Resp: 3512070

Ion Ratio Lower Upper

152 100

151 21.3 16.6 24.8

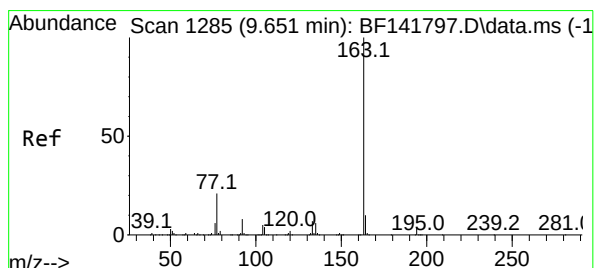
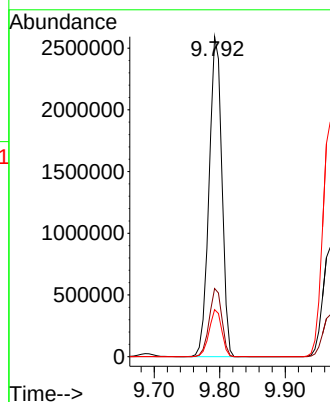
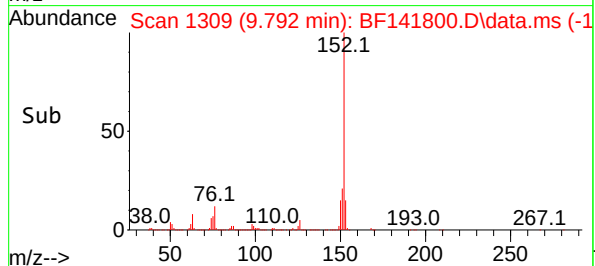
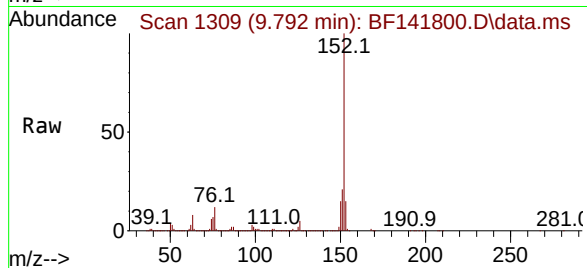
153 14.7 11.2 16.8

Manual Integrations

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Reviewed By :Yogesh Patel 02/28/2025

Supervised By :mohammad ahmed 02/28/2025



#50

Dimethylphthalate

Concen: 73.107 ng

RT: 9.663 min Scan# 1287

Delta R.T. 0.012 min

Lab File: BF141800.D

Acq: 27 Feb 2025 18:45

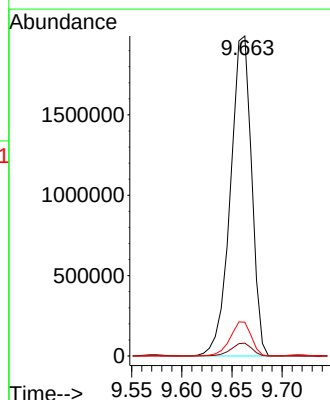
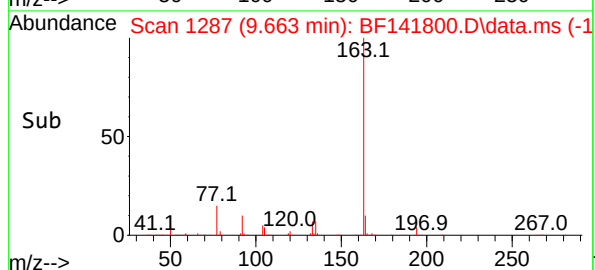
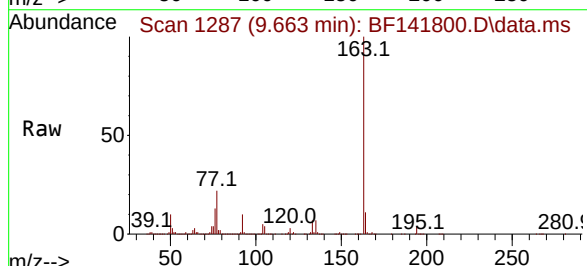
Tgt Ion:163 Resp: 2921217

Ion Ratio Lower Upper

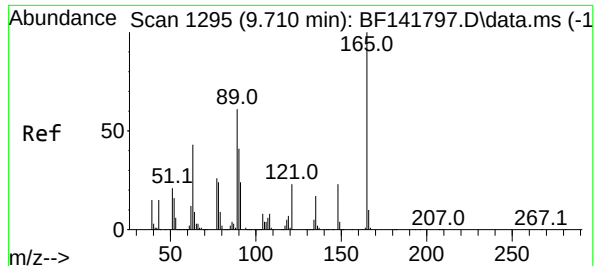
163 100

194 4.0 3.1 4.7

164 10.5 8.4 12.6

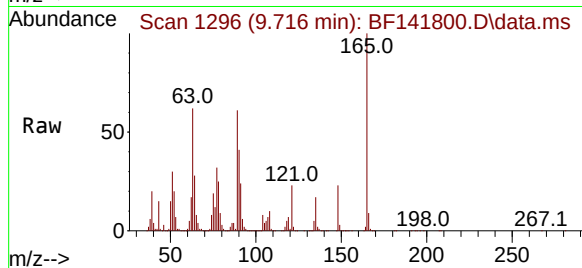






#51  
2,6-Dinitrotoluene  
Concen: 79.481 ng  
RT: 9.716 min Scan# 1295  
Delta R.T. 0.006 min  
Lab File: BF141800.D  
Acq: 27 Feb 2025 18:45

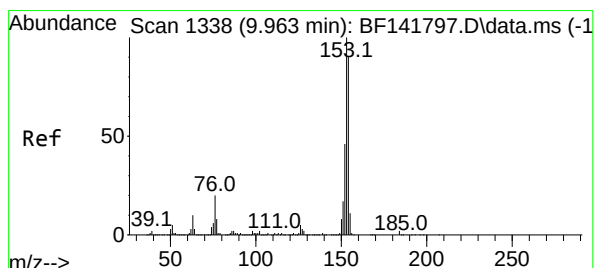
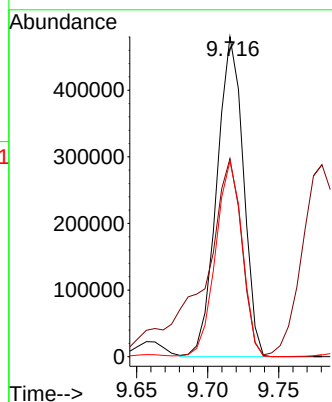
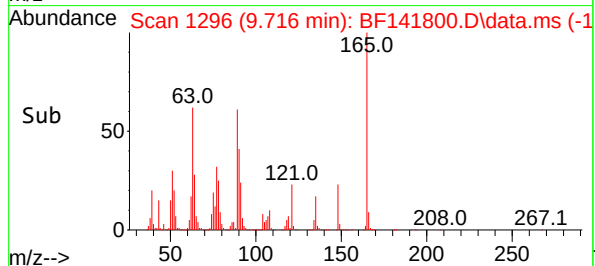
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC080



Tgt Ion:165 Resp: 62262  
Ion Ratio Lower Upper  
165 100  
63 61.9 49.5 74.3  
89 61.1 49.0 73.4

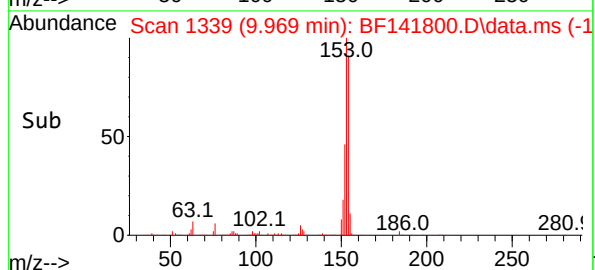
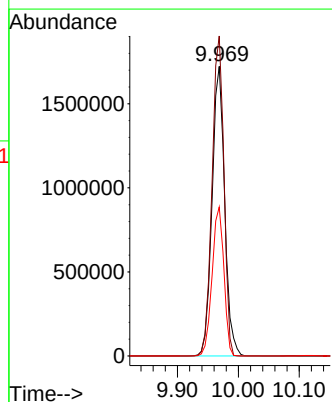
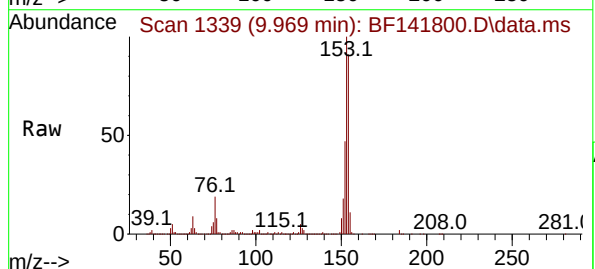
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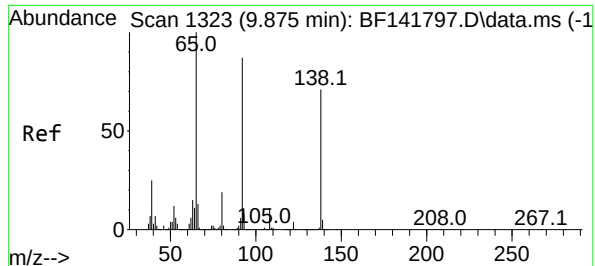
Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025



#52  
Acenaphthene  
Concen: 73.139 ng  
RT: 9.969 min Scan# 1339  
Delta R.T. 0.006 min  
Lab File: BF141800.D  
Acq: 27 Feb 2025 18:45

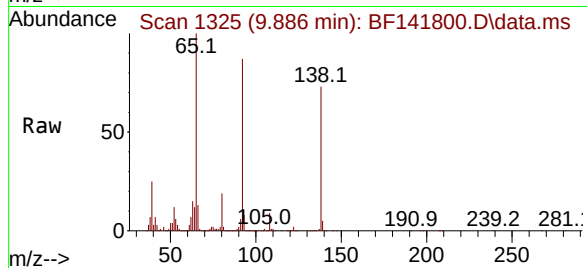
Tgt Ion:154 Resp: 2480302  
Ion Ratio Lower Upper  
154 100  
153 110.5 88.7 133.1  
152 51.5 40.9 61.3





#53  
3-Nitroaniline  
Concen: 79.835 ng  
RT: 9.886 min Scan# 1325  
Delta R.T. 0.011 min  
Lab File: BF141800.D  
Acq: 27 Feb 2025 18:45

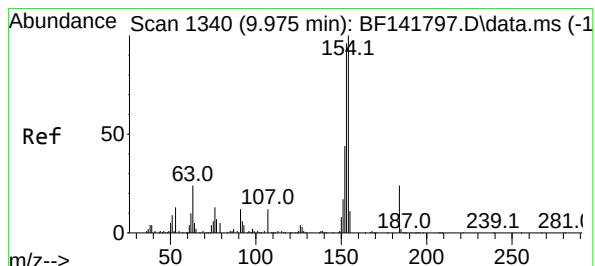
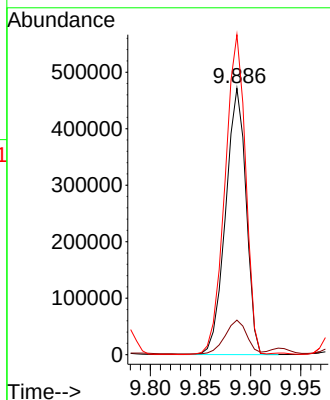
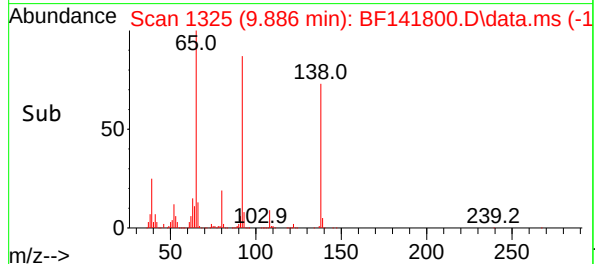
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC080



Tgt Ion:138 Resp: 667119  
Ion Ratio Lower Upper  
138 100  
108 13.0 12.7 19.1  
92 120.1 97.9 146.9

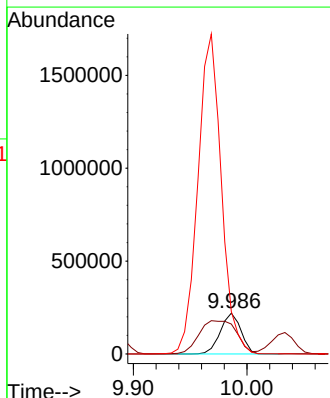
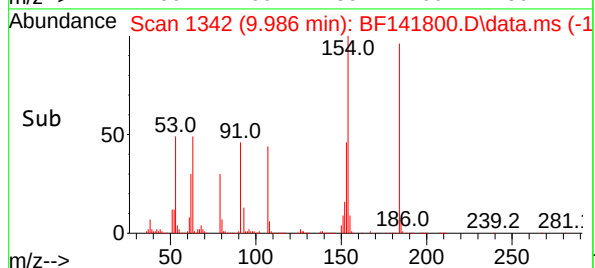
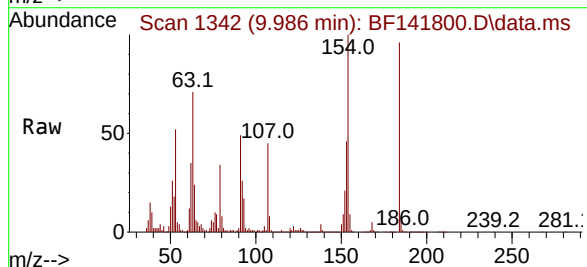
Manual Integrations  
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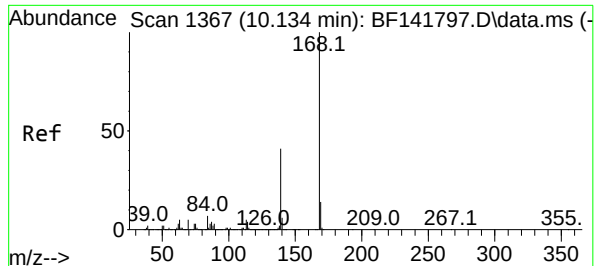
Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025



#54  
2,4-Dinitrophenol  
Concen: 79.409 ng  
RT: 9.986 min Scan# 1342  
Delta R.T. 0.011 min  
Lab File: BF141800.D  
Acq: 27 Feb 2025 18:45

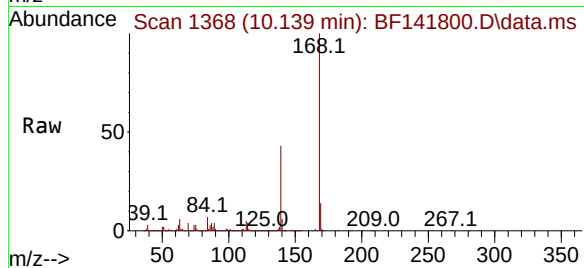
Tgt Ion:184 Resp: 277943  
Ion Ratio Lower Upper  
184 100  
63 73.4 79.0 118.6#  
154 103.9 335.8 503.8#





#55  
Dibenzenofuran  
Concen: 69.448 ng  
RT: 10.139 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: BF141800.D  
Acq: 27 Feb 2025 18:45

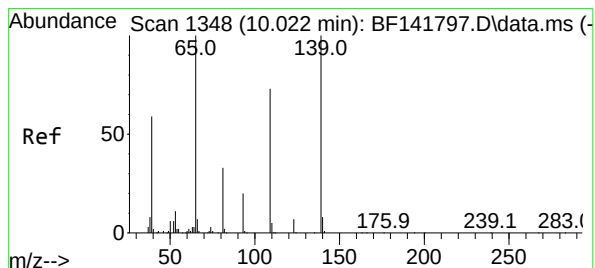
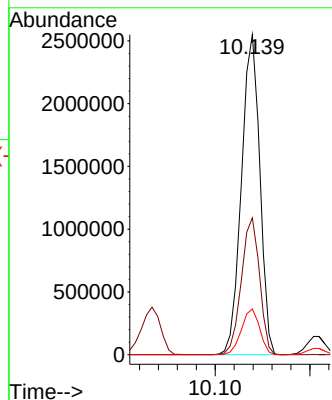
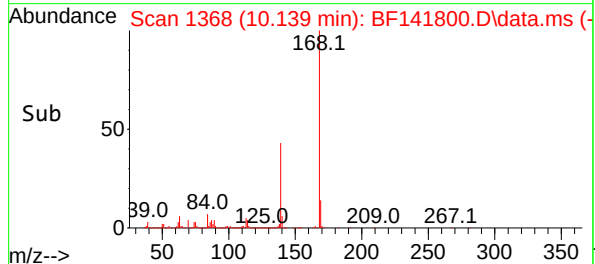
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC080



Tgt Ion:168 Resp: 342789  
Ion Ratio Lower Upper  
168 100  
139 42.7 32.9 49.3  
169 14.3 11.1 16.7

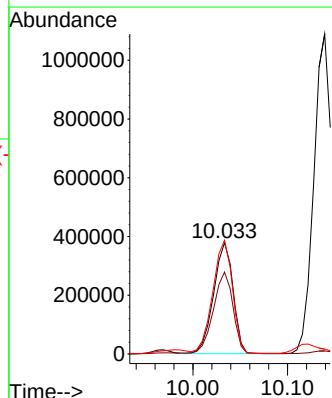
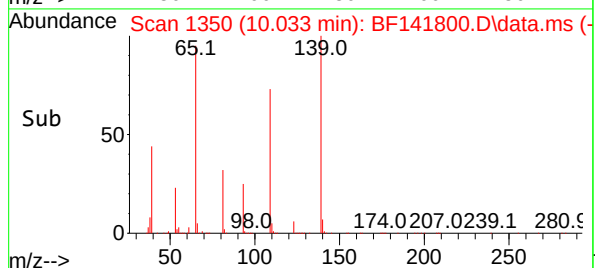
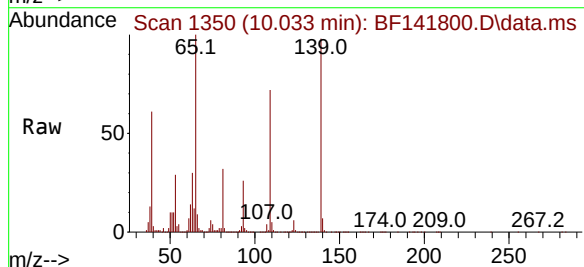
Manual Integrations  
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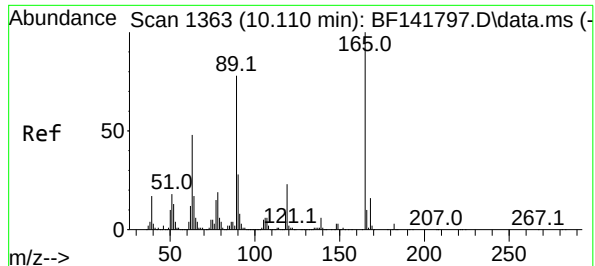
Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025



#56  
4-Nitrophenol  
Concen: 91.723 ng  
RT: 10.033 min Scan# 1350  
Delta R.T. 0.012 min  
Lab File: BF141800.D  
Acq: 27 Feb 2025 18:45

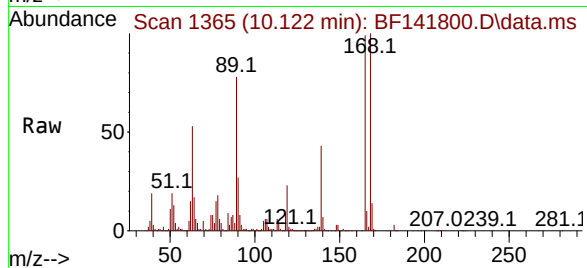
Tgt Ion:139 Resp: 541317  
Ion Ratio Lower Upper  
139 100  
109 73.6 53.4 93.4  
65 102.2 82.1 122.1





#57  
2,4-Dinitrotoluene  
Concen: 79.344 ng  
RT: 10.122 min Scan# 1365  
Delta R.T. 0.012 min  
Lab File: BF141800.D  
Acq: 27 Feb 2025 18:45

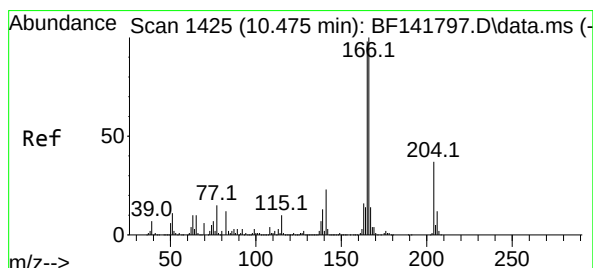
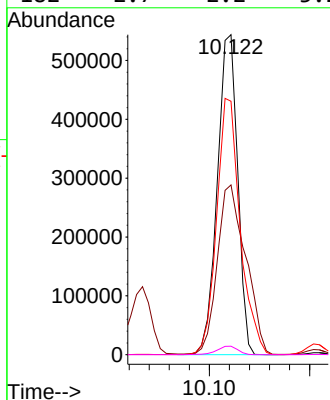
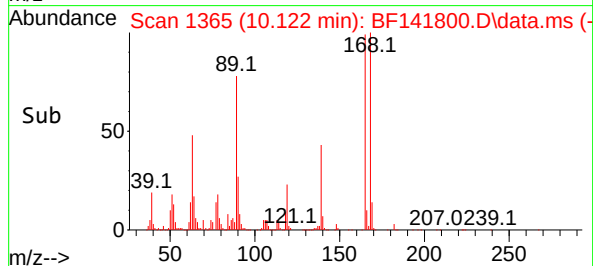
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC080



Tgt Ion:165 Resp: 764012  
Ion Ratio Lower Upper  
165 100  
63 53.1 38.8 58.2  
89 79.2 62.6 94.0  
182 2.7 2.2 3.2

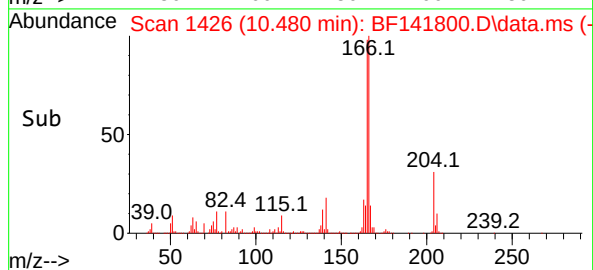
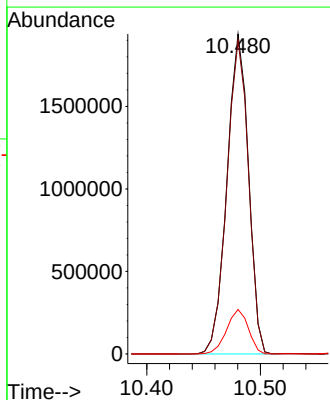
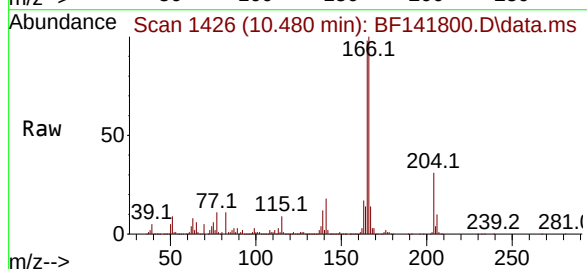
Manual Integrations  
APPROVED

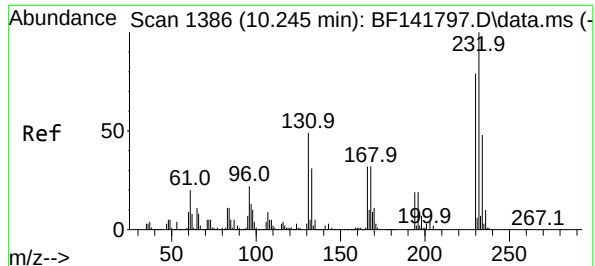
Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025



#58  
Fluorene  
Concen: 69.170 ng  
RT: 10.480 min Scan# 1426  
Delta R.T. 0.006 min  
Lab File: BF141800.D  
Acq: 27 Feb 2025 18:45

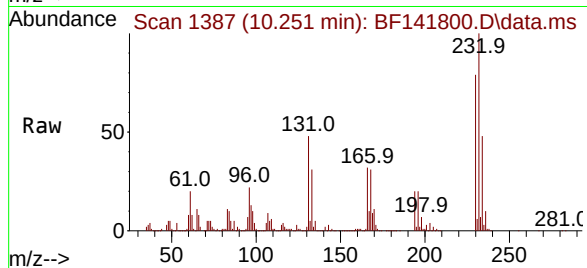
Tgt Ion:166 Resp: 2557382  
Ion Ratio Lower Upper  
166 100  
165 98.0 78.6 117.8  
167 13.9 11.0 16.4





#59  
2,3,4,6-Tetrachlorophenol  
Concen: 78.537 ng  
RT: 10.251 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: BF141800.D  
Acq: 27 Feb 2025 18:45

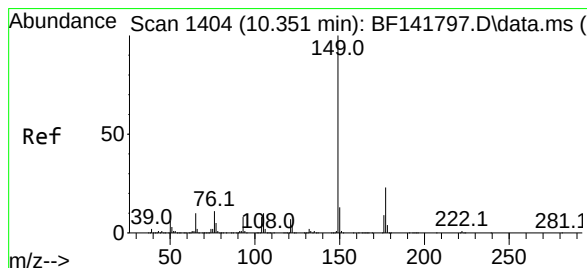
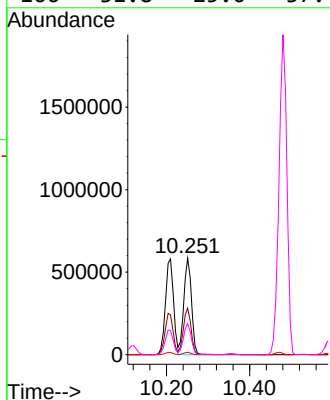
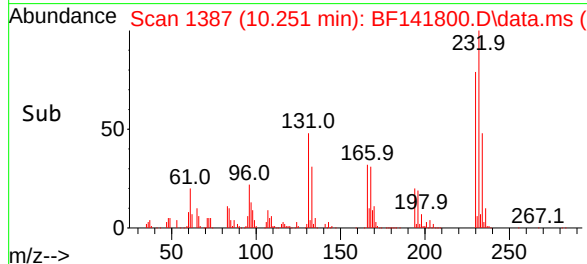
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC080



Tgt Ion:232 Resp: 752911  
Ion Ratio Lower Upper  
232 100  
131 47.5 37.8 56.8  
130 2.4 2.0 3.0  
166 31.8 25.0 37.4

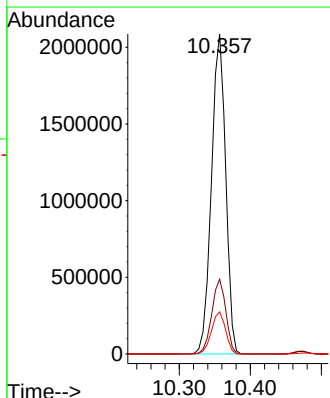
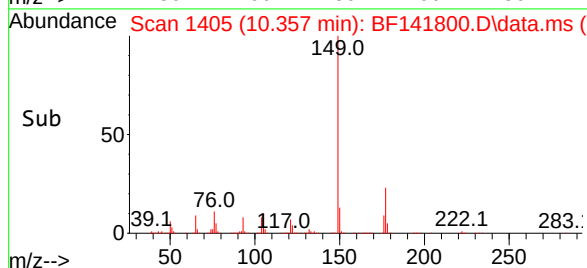
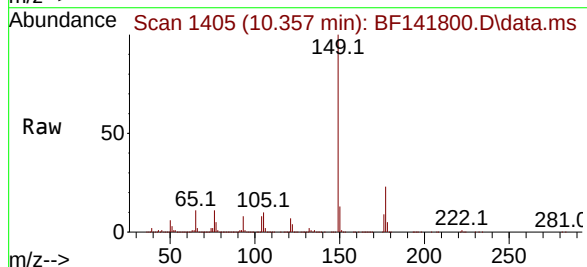
Manual Integrations  
APPROVED

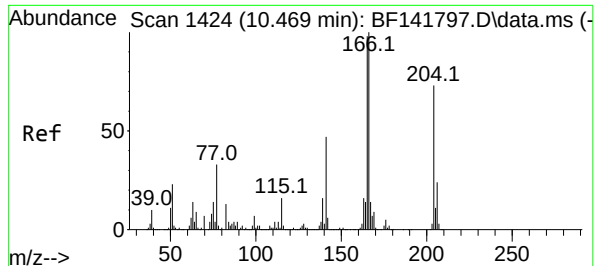
Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025



#60  
Diethylphthalate  
Concen: 72.232 ng  
RT: 10.357 min Scan# 1405  
Delta R.T. 0.006 min  
Lab File: BF141800.D  
Acq: 27 Feb 2025 18:45

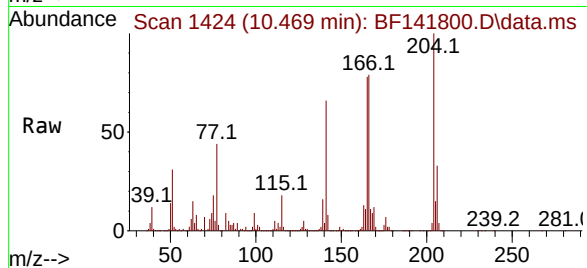
Tgt Ion:149 Resp: 2893471  
Ion Ratio Lower Upper  
149 100  
177 23.3 18.3 27.5  
150 13.2 10.3 15.5





#61  
4-Chlorophenyl-phenylether  
Concen: 72.414 ng  
RT: 10.469 min Scan# 1424  
Delta R.T. -0.000 min  
Lab File: BF141800.D  
Acq: 27 Feb 2025 18:45

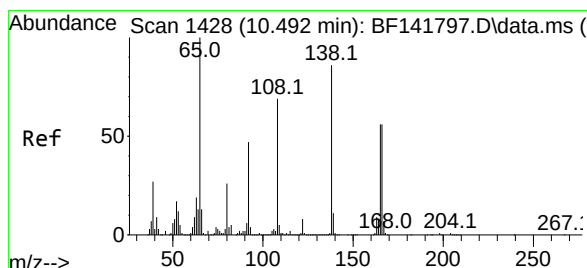
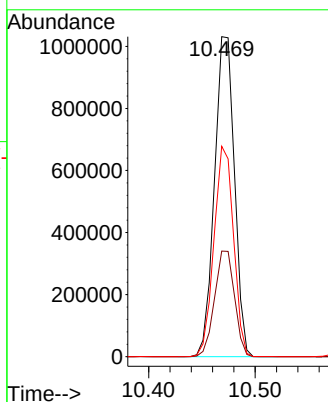
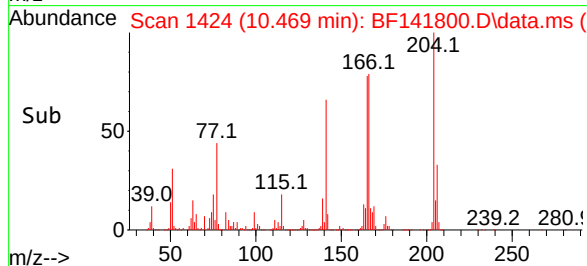
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC080



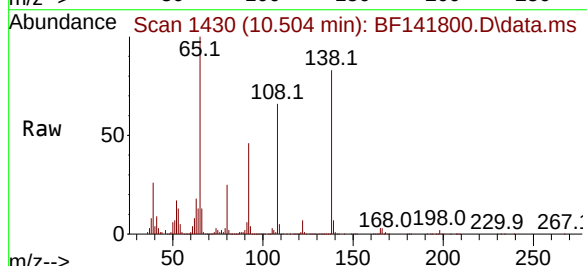
Tgt Ion:204 Resp: 134144  
Ion Ratio Lower Upper  
204 100  
206 33.0 26.2 39.4  
141 65.7 51.7 77.5

Manual Integrations  
APPROVED

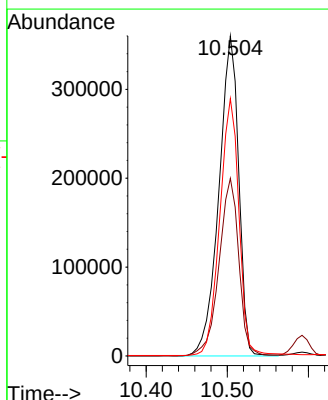
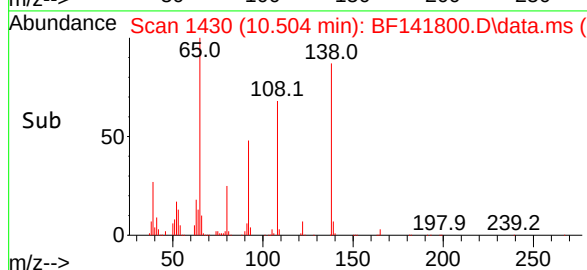
Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025

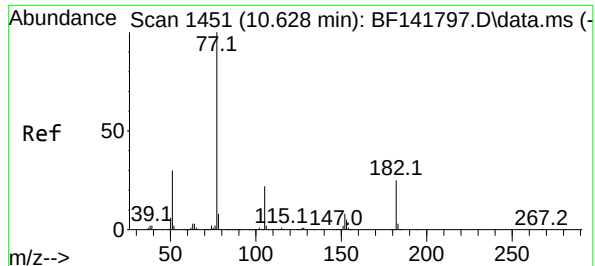


#62  
4-Nitroaniline  
Concen: 89.663 ng  
RT: 10.504 min Scan# 1430  
Delta R.T. 0.012 min  
Lab File: BF141800.D  
Acq: 27 Feb 2025 18:45



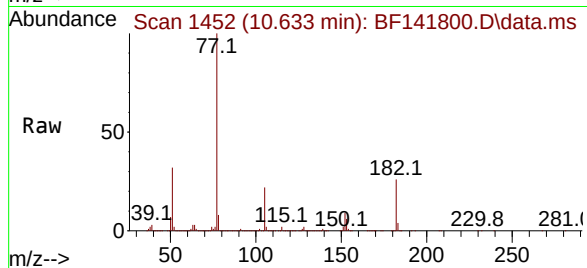
Tgt Ion:138 Resp: 611855  
Ion Ratio Lower Upper  
138 100  
92 55.5 34.9 74.9  
108 80.4 59.6 99.6





#63  
Azobenzene  
Concen: 71.441 ng  
RT: 10.633 min Scan# 1451  
Delta R.T. 0.006 min  
Lab File: BF141800.D  
Acq: 27 Feb 2025 18:45

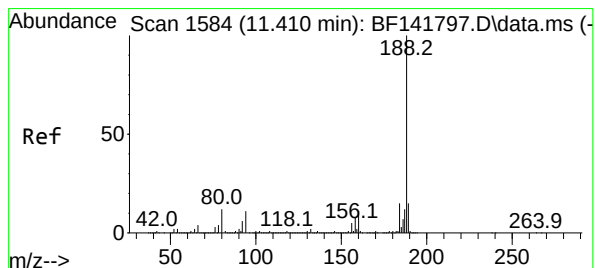
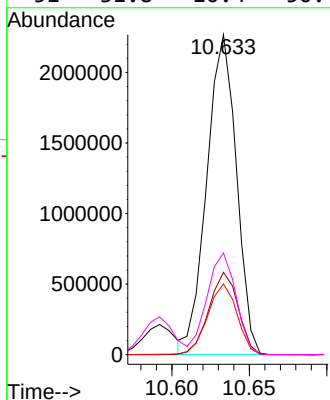
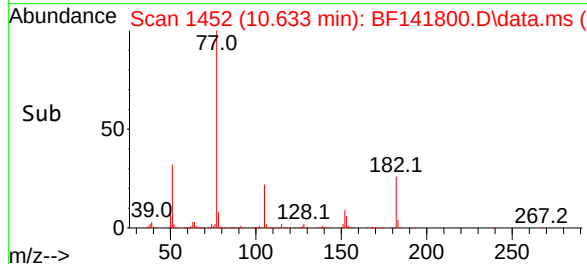
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC080



Tgt Ion: 77 Resp: 301318  
Ion Ratio Lower Upper  
77 100  
182 25.7 4.2 44.2  
105 22.1 1.5 41.5  
51 31.8 10.4 50.4

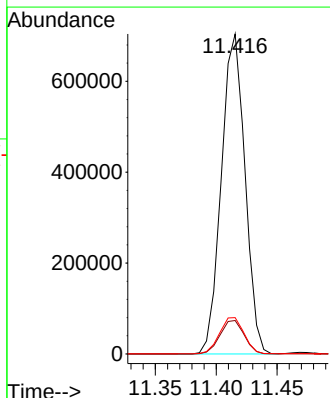
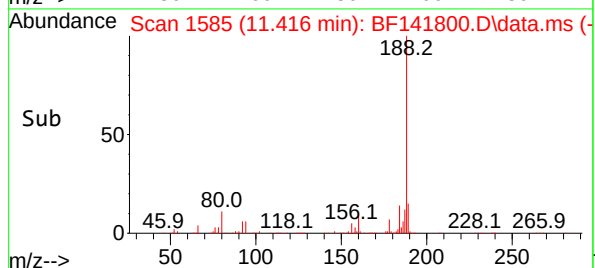
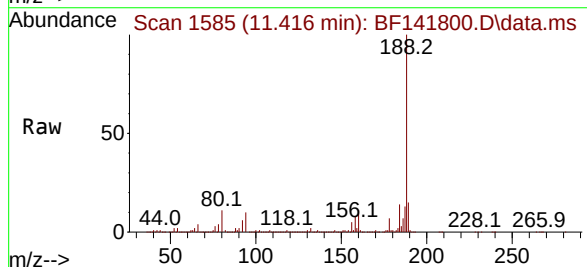
Manual Integrations  
APPROVED

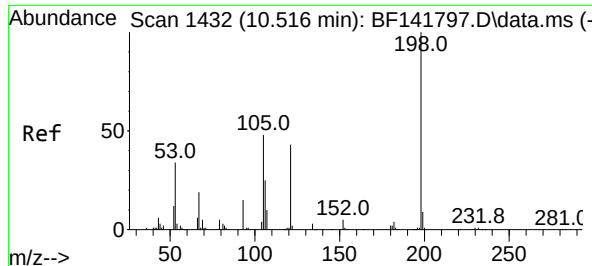
Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.416 min Scan# 1585  
Delta R.T. 0.006 min  
Lab File: BF141800.D  
Acq: 27 Feb 2025 18:45

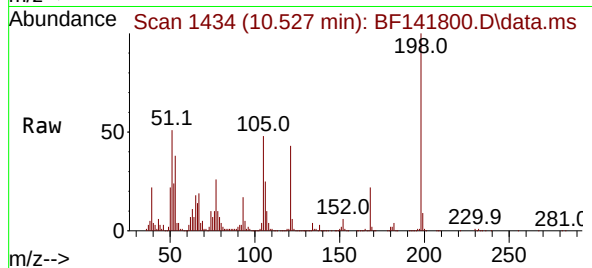
Tgt Ion:188 Resp: 953117  
Ion Ratio Lower Upper  
188 100  
94 10.4 8.9 13.3  
80 11.4 9.7 14.5





#65  
4,6-Dinitro-2-methylphenol  
Concen: 80.929 ng  
RT: 10.527 min Scan# 1434  
Delta R.T. 0.011 min  
Lab File: BF141800.D  
Acq: 27 Feb 2025 18:45

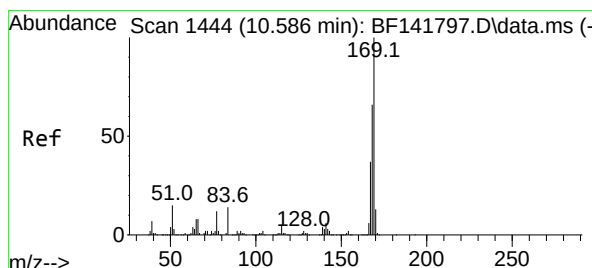
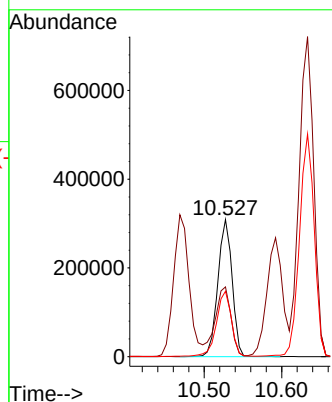
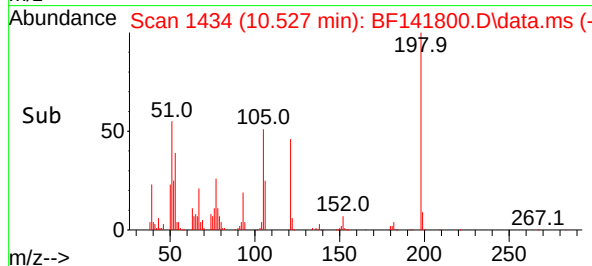
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC080



Tgt Ion:198 Resp: 393349  
Ion Ratio Lower Upper  
198 100  
51 50.9 32.1 72.1  
105 47.7 28.5 68.5

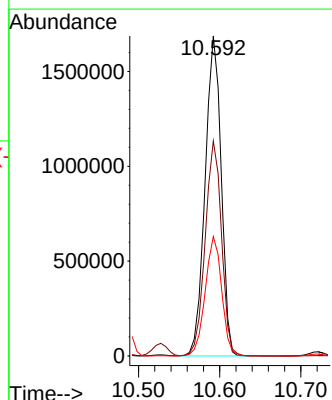
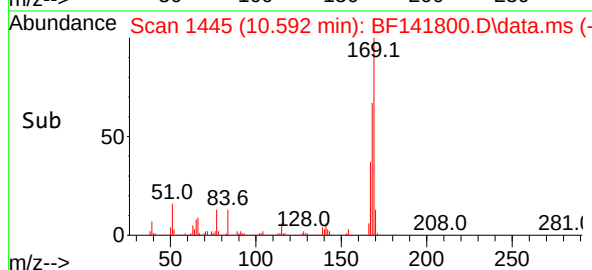
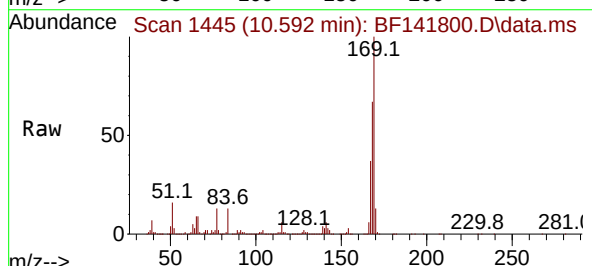
Manual Integrations  
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Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025

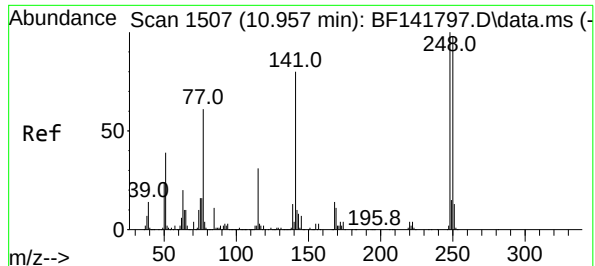


#66  
n-Nitrosodiphenylamine  
Concen: 73.923 ng  
RT: 10.592 min Scan# 1445  
Delta R.T. 0.006 min  
Lab File: BF141800.D  
Acq: 27 Feb 2025 18:45

Tgt Ion:169 Resp: 2313580  
Ion Ratio Lower Upper  
169 100  
168 67.2 53.0 79.6  
167 37.3 29.3 43.9

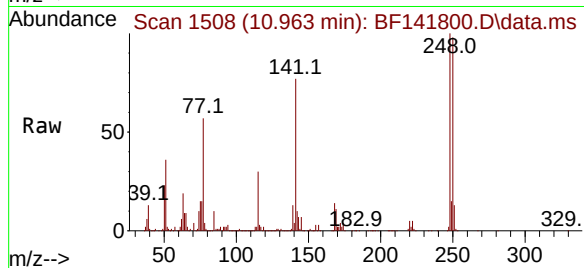






#67  
4-Bromophenyl-phenylether  
Concen: 76.550 ng  
RT: 10.963 min Scan# 1508  
Delta R.T. 0.006 min  
Lab File: BF141800.D  
Acq: 27 Feb 2025 18:45

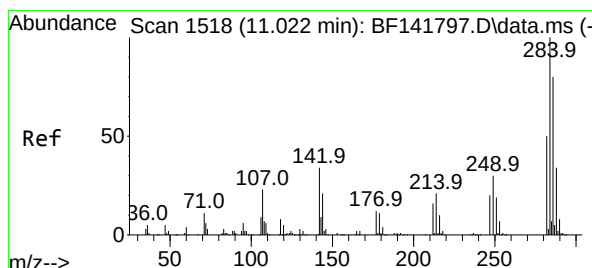
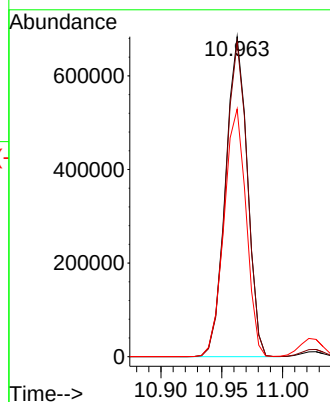
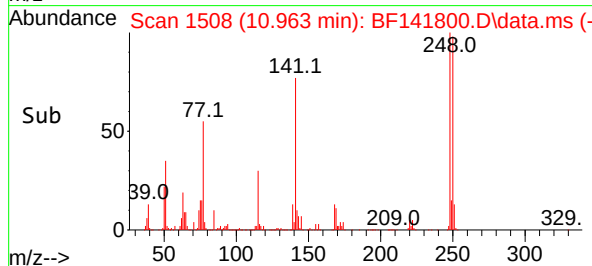
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC080



Tgt Ion:248 Resp: 852210  
Ion Ratio Lower Upper  
248 100  
250 98.3 78.1 117.1  
141 77.4 64.3 96.5

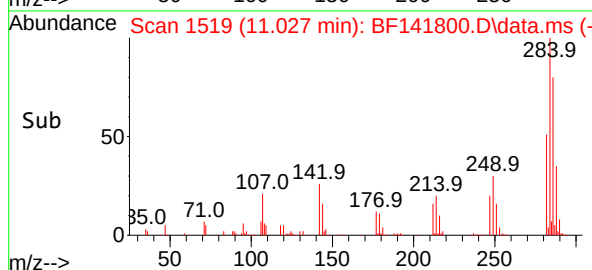
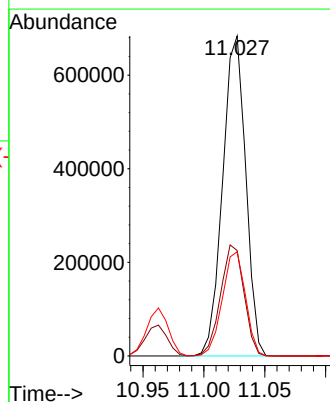
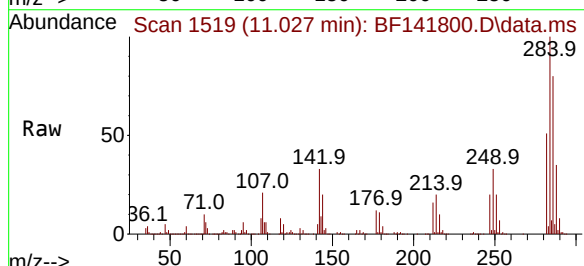
Manual Integrations  
APPROVED

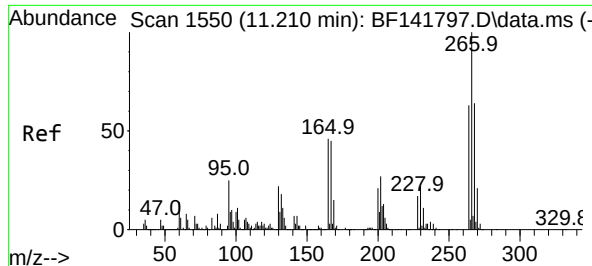
Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025



#68  
Hexachlorobenzene  
Concen: 76.782 ng  
RT: 11.027 min Scan# 1519  
Delta R.T. 0.006 min  
Lab File: BF141800.D  
Acq: 27 Feb 2025 18:45

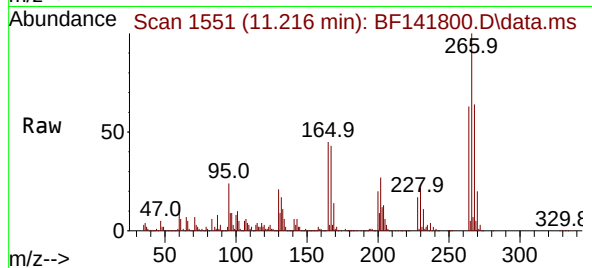
Tgt Ion:284 Resp: 902644  
Ion Ratio Lower Upper  
284 100  
142 33.0 28.2 42.2  
249 32.5 25.5 38.3





#70  
Pentachlorophenol  
Concen: 81.849 ng  
RT: 11.216 min Scan# 1551  
Delta R.T. 0.006 min  
Lab File: BF141800.D  
Acq: 27 Feb 2025 18:45

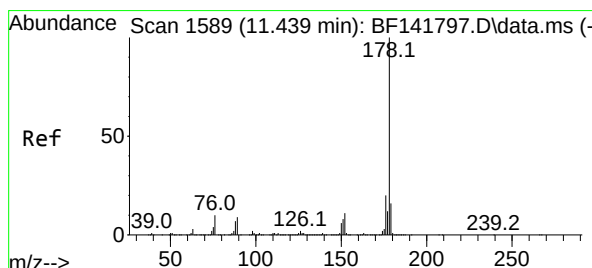
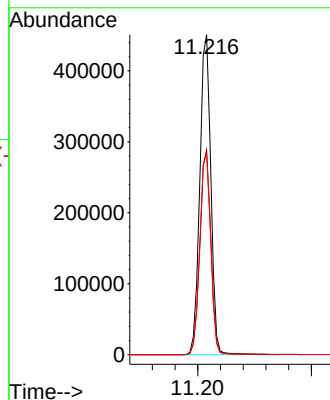
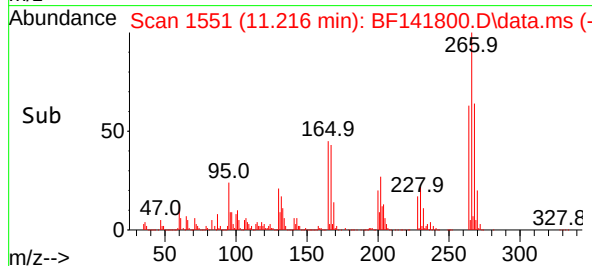
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC080



Tgt Ion:266 Resp: 610264  
Ion Ratio Lower Upper  
266 100  
268 64.0 50.9 76.3  
264 62.8 50.2 75.4

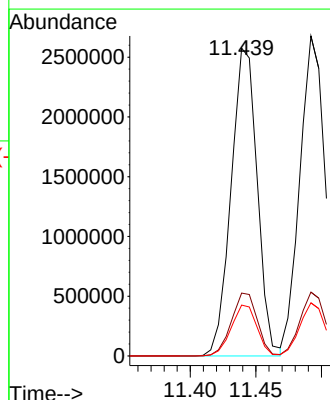
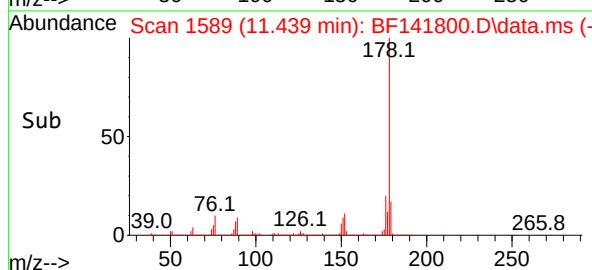
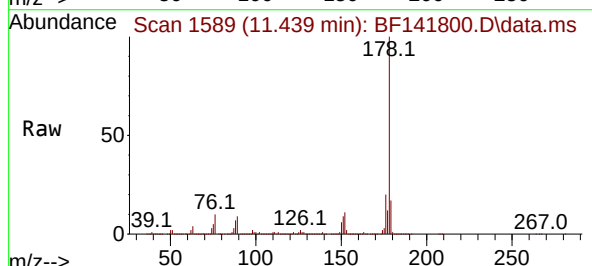
Manual Integrations  
APPROVED

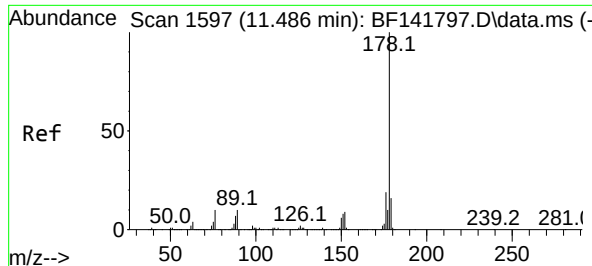
Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025



#71  
Phenanthrene  
Concen: 70.307 ng  
RT: 11.439 min Scan# 1589  
Delta R.T. -0.000 min  
Lab File: BF141800.D  
Acq: 27 Feb 2025 18:45

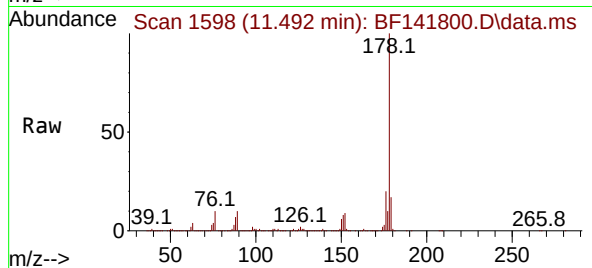
Tgt Ion:178 Resp: 3584436  
Ion Ratio Lower Upper  
178 100  
176 20.4 16.0 24.0  
179 16.5 12.6 19.0





#72  
Anthracene  
Concen: 69.487 ng  
RT: 11.492 min Scan# 1598  
Delta R.T. 0.006 min  
Lab File: BF141800.D  
Acq: 27 Feb 2025 18:45

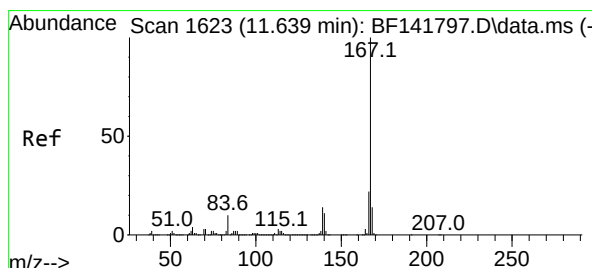
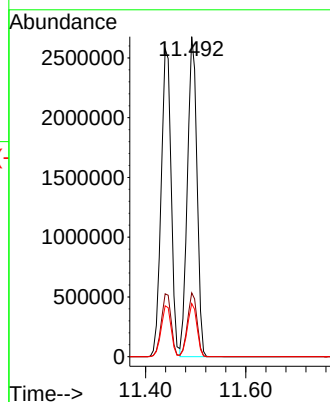
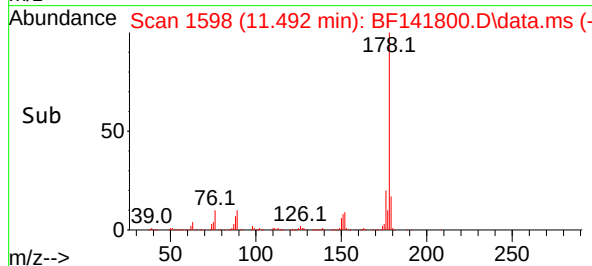
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC080



Tgt Ion:178 Resp: 3550480  
Ion Ratio Lower Upper  
178 100  
176 20.0 15.4 23.0  
179 16.6 12.8 19.2

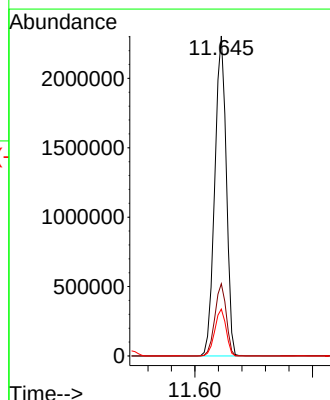
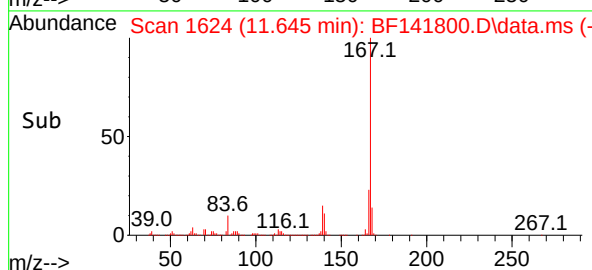
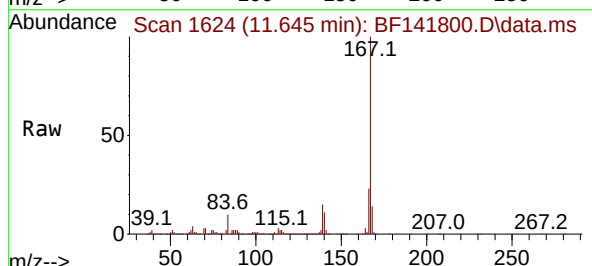
Manual Integrations  
APPROVED

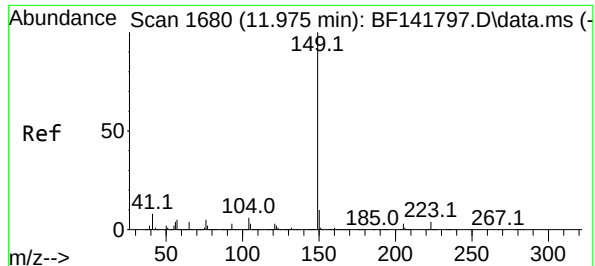
Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025



#73  
Carbazole  
Concen: 69.380 ng  
RT: 11.645 min Scan# 1624  
Delta R.T. 0.006 min  
Lab File: BF141800.D  
Acq: 27 Feb 2025 18:45

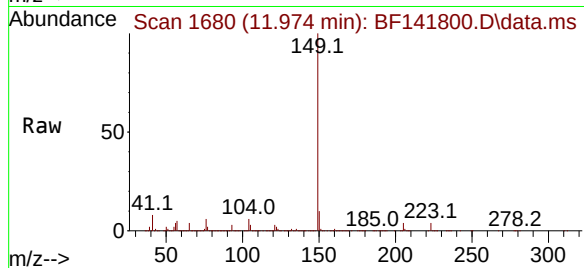
Tgt Ion:167 Resp: 3130504  
Ion Ratio Lower Upper  
167 100  
166 22.6 17.5 26.3  
139 14.7 11.3 16.9





#74  
Di-n-butylphthalate  
Concen: 68.971 ng  
RT: 11.974 min Scan# 11974  
Delta R.T. -0.000 min  
Lab File: BF141800.D  
Acq: 27 Feb 2025 18:45

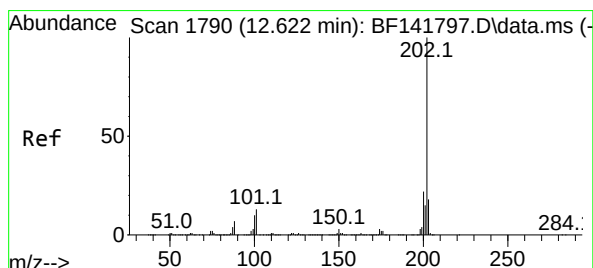
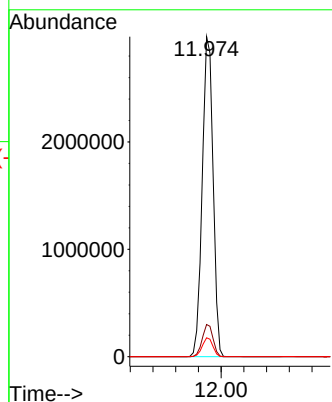
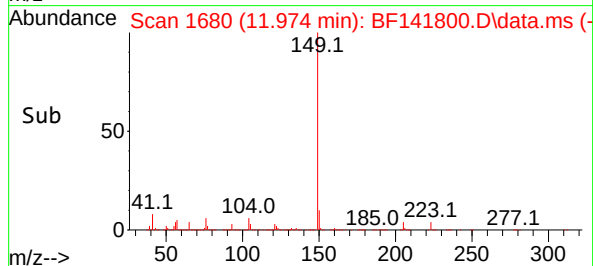
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC080



Tgt Ion:149 Resp: 3944814  
Ion Ratio Lower Upper  
149 100  
150 10.1 7.7 11.5  
104 5.9 4.4 6.6

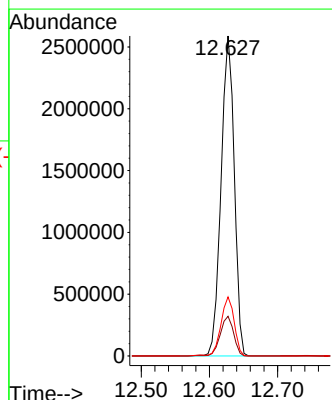
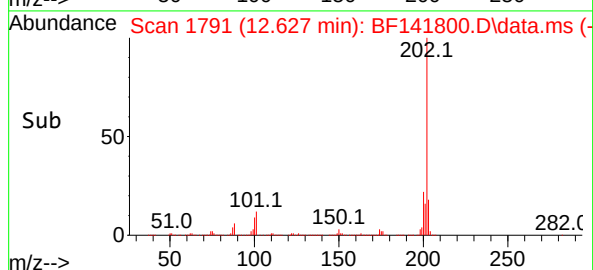
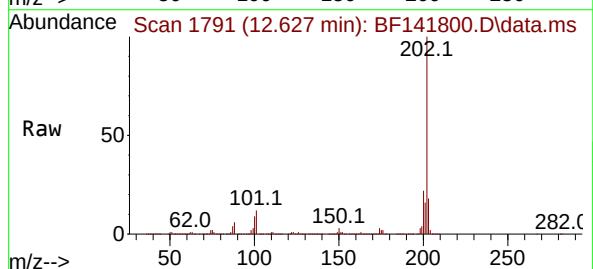
Manual Integrations  
APPROVED

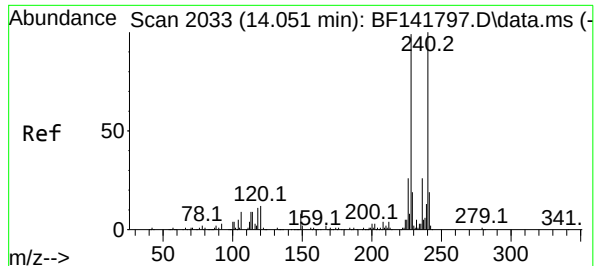
Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025



#75  
Fluoranthene  
Concen: 66.922 ng  
RT: 12.627 min Scan# 1791  
Delta R.T. 0.006 min  
Lab File: BF141800.D  
Acq: 27 Feb 2025 18:45

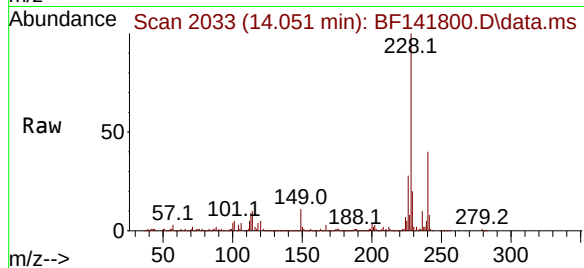
Tgt Ion:202 Resp: 3496011  
Ion Ratio Lower Upper  
202 100  
101 12.4 0.0 32.8  
203 18.5 0.0 38.0





#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.051 min Scan# 2033  
Delta R.T. -0.000 min  
Lab File: BF141800.D  
Acq: 27 Feb 2025 18:45

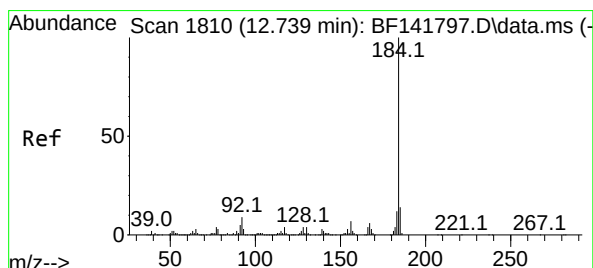
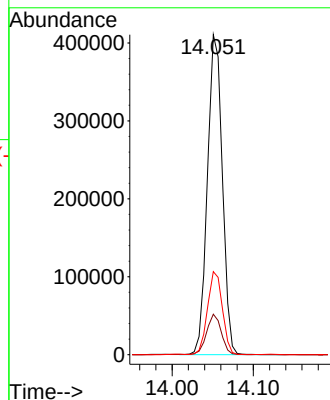
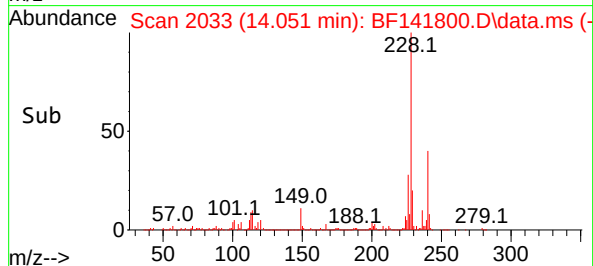
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC080



Tgt Ion:240 Resp: 523200  
Ion Ratio Lower Upper  
240 100  
120 12.6 9.7 14.5  
236 26.0 21.0 31.4

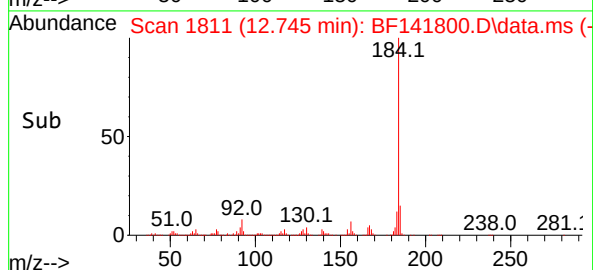
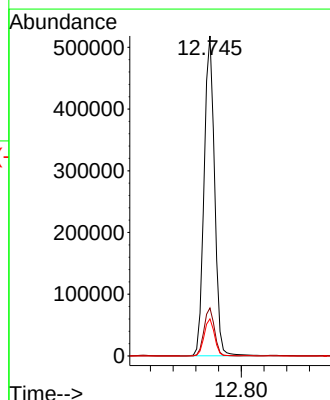
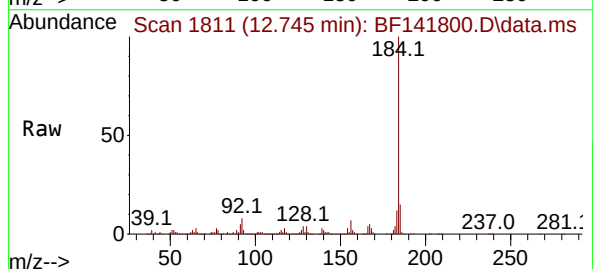
Manual Integrations  
APPROVED

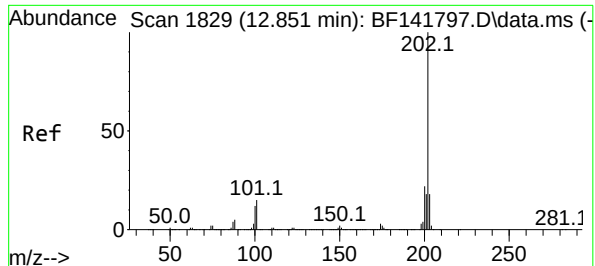
Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025



#77  
Benzidine  
Concen: 100.283 ng  
RT: 12.745 min Scan# 1811  
Delta R.T. 0.006 min  
Lab File: BF141800.D  
Acq: 27 Feb 2025 18:45

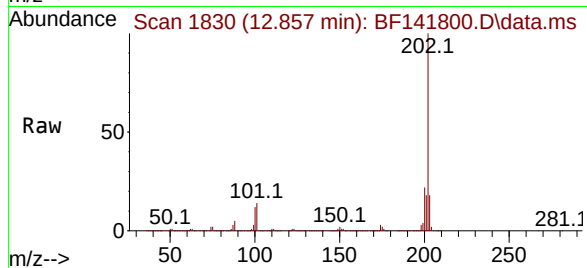
Tgt Ion:184 Resp: 660393  
Ion Ratio Lower Upper  
184 100  
185 15.0 11.6 17.4  
183 11.6 9.4 14.0





#78  
Pyrene  
Concen: 76.502 ng  
RT: 12.857 min Scan# 1830  
Delta R.T. 0.006 min  
Lab File: BF141800.D  
Acq: 27 Feb 2025 18:45

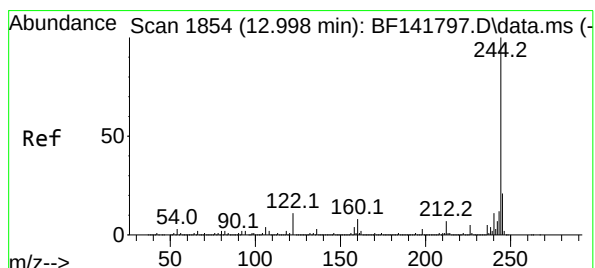
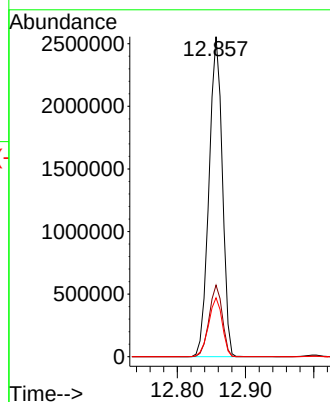
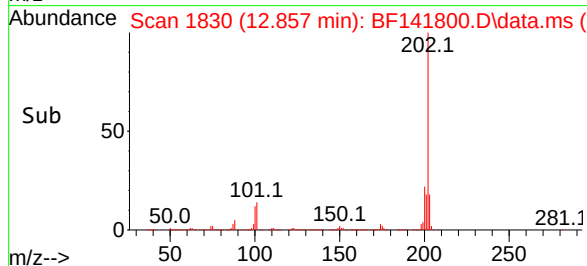
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC080



Tgt Ion:202 Resp: 346603  
Ion Ratio Lower Upper  
202 100  
200 22.4 17.4 26.0  
203 18.4 14.6 22.0

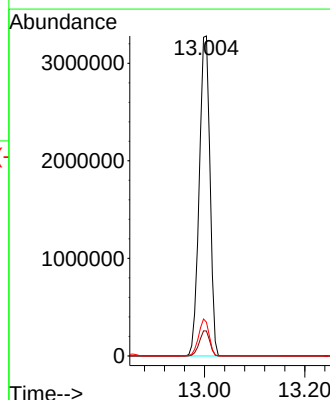
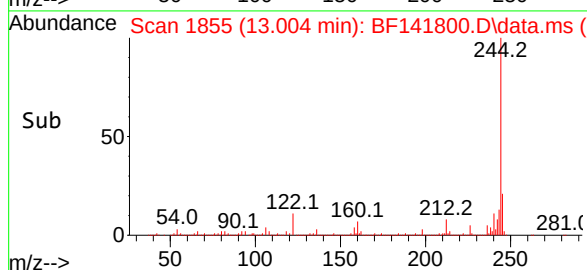
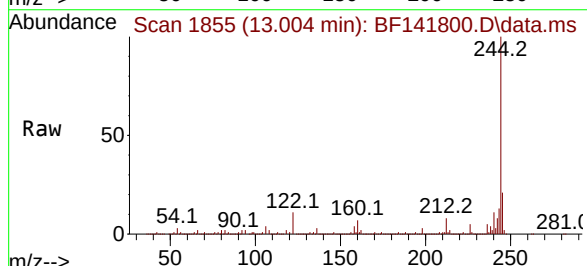
Manual Integrations  
APPROVED

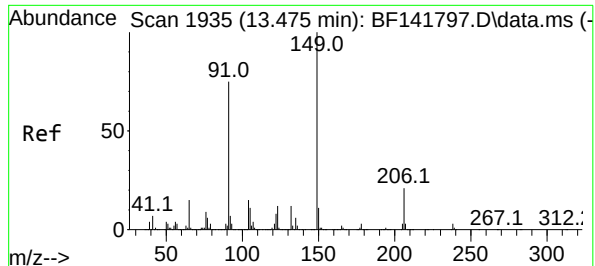
Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025



#79  
Terphenyl-d14  
Concen: 149.765 ng  
RT: 13.004 min Scan# 1855  
Delta R.T. 0.006 min  
Lab File: BF141800.D  
Acq: 27 Feb 2025 18:45

Tgt Ion:244 Resp: 4843134  
Ion Ratio Lower Upper  
244 100  
212 7.8 6.0 9.0  
122 10.5 9.0 13.6





#80

Butylbenzylphthalate

Concen: 82.887 ng

RT: 13.474 min Scan# 1935

Delta R.T. -0.000 min

Lab File: BF141800.D

Acq: 27 Feb 2025 18:45

Instrument :

BNA\_F

ClientSampleId :

SSTDICC080

Tgt Ion:149 Resp: 1364388

Ion Ratio Lower Upper

149 100

91 75.4 60.1 90.1

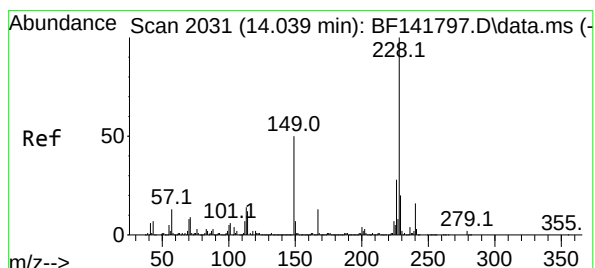
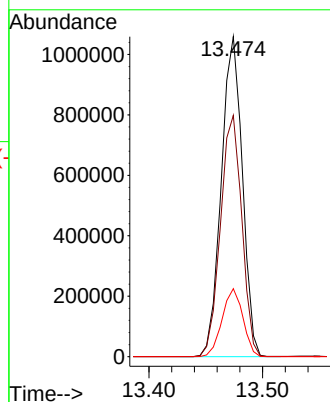
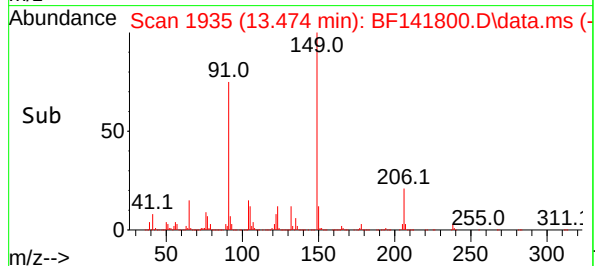
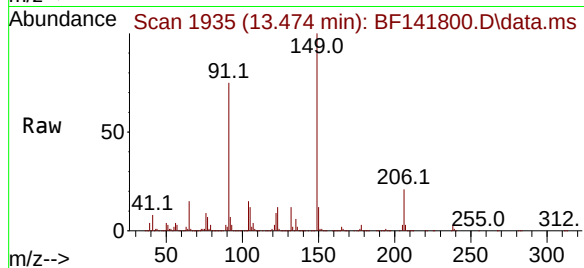
206 21.2 16.8 25.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/28/2025

Supervised By :mohammad ahmed 02/28/2025



#81

Benzo(a)anthracene

Concen: 78.217 ng

RT: 14.039 min Scan# 2031

Delta R.T. -0.000 min

Lab File: BF141800.D

Acq: 27 Feb 2025 18:45

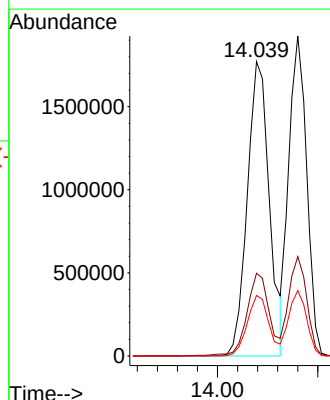
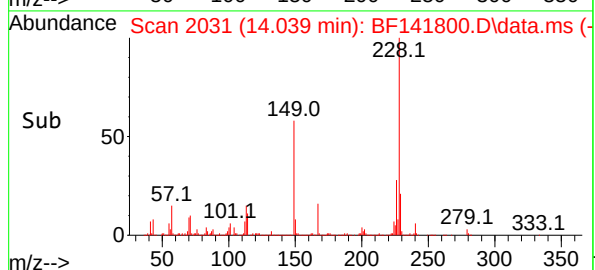
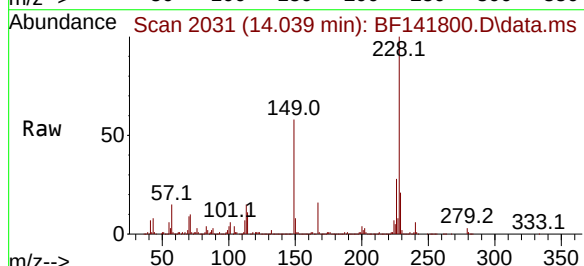
Tgt Ion:228 Resp: 2703093

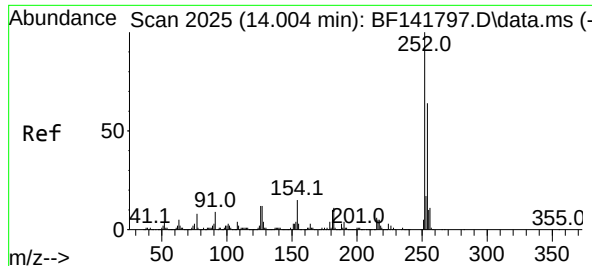
Ion Ratio Lower Upper

228 100

226 28.1 22.1 33.1

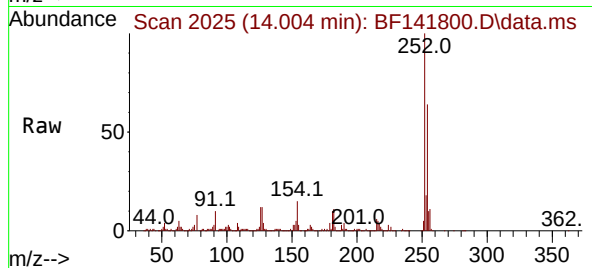
229 20.6 16.1 24.1





#82  
3,3'-Dichlorobenzidine  
Concen: 76.939 ng  
RT: 14.004 min Scan# 2025  
Delta R.T. -0.000 min  
Lab File: BF141800.D  
Acq: 27 Feb 2025 18:45

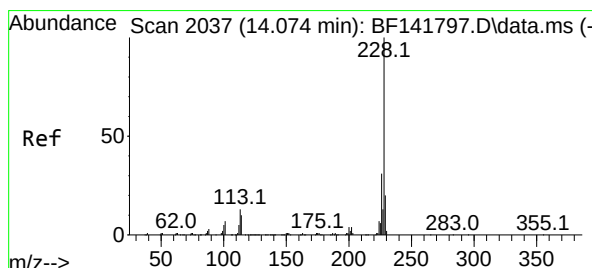
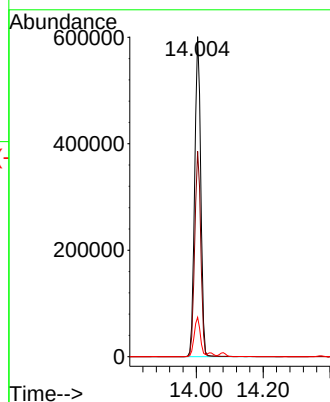
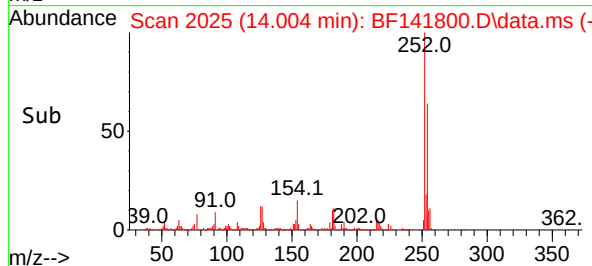
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC080



Tgt Ion:252 Resp: 76285  
Ion Ratio Lower Upper  
252 100  
254 64.2 51.4 77.0  
126 12.3 9.8 14.6

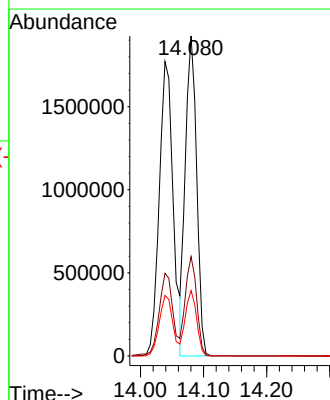
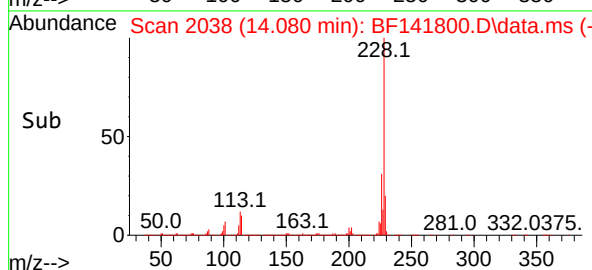
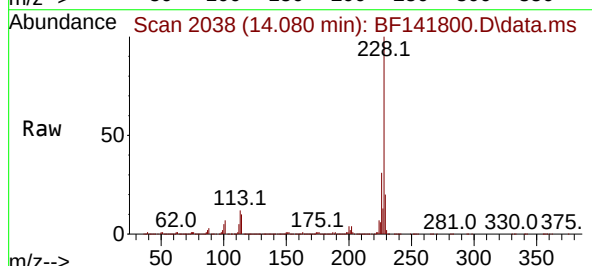
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025

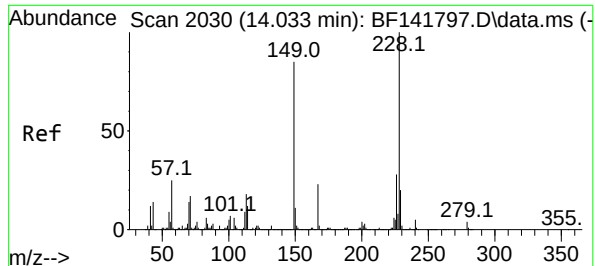


#83  
Chrysene  
Concen: 75.176 ng  
RT: 14.080 min Scan# 2038  
Delta R.T. 0.006 min  
Lab File: BF141800.D  
Acq: 27 Feb 2025 18:45

Tgt Ion:228 Resp: 2394861  
Ion Ratio Lower Upper  
228 100  
226 31.1 24.6 37.0  
229 20.4 16.1 24.1

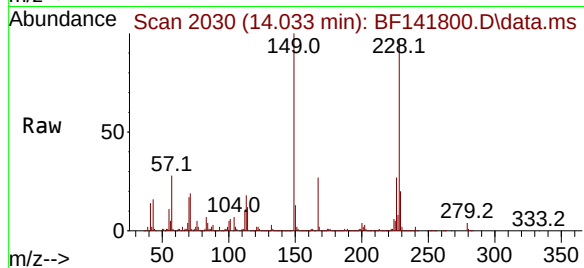






#84  
Bis(2-ethylhexyl)phthalate  
Concen: 84.426 ng  
RT: 14.033 min Scan# 2030  
Delta R.T. -0.000 min  
Lab File: BF141800.D  
Acq: 27 Feb 2025 18:45

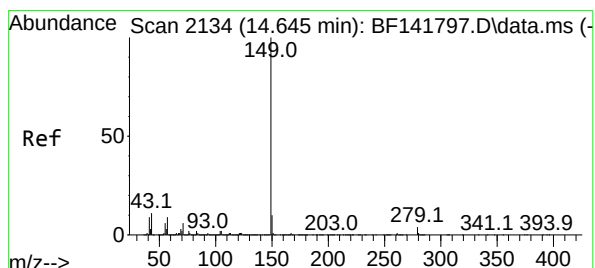
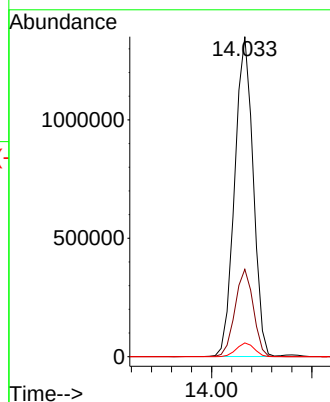
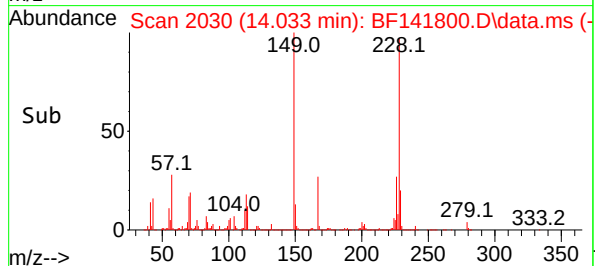
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC080



Tgt Ion:149 Resp: 1730418  
Ion Ratio Lower Upper  
149 100  
167 27.3 21.2 31.8  
279 4.3 3.3 4.9

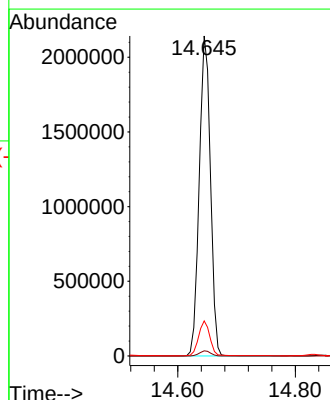
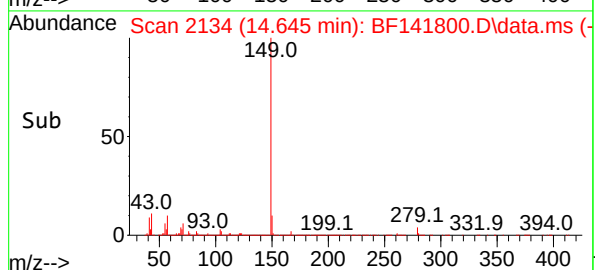
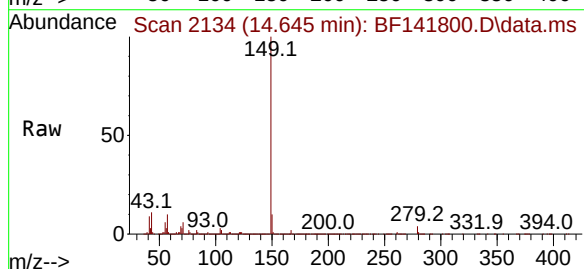
Manual Integrations  
APPROVED

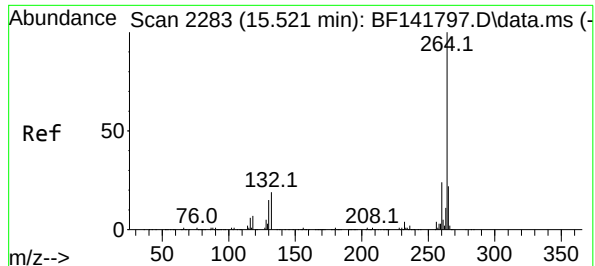
Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025



#85  
Di-n-octyl phthalate  
Concen: 91.958 ng  
RT: 14.645 min Scan# 2134  
Delta R.T. -0.000 min  
Lab File: BF141800.D  
Acq: 27 Feb 2025 18:45

Tgt Ion:149 Resp: 2821762  
Ion Ratio Lower Upper  
149 100  
167 1.6 1.2 1.8  
43 10.9 8.6 12.8





#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.521 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: BF141800.D  
Acq: 27 Feb 2025 18:45

Instrument :

BNA\_F

ClientSampleId :

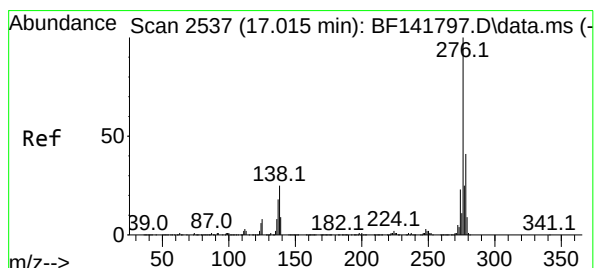
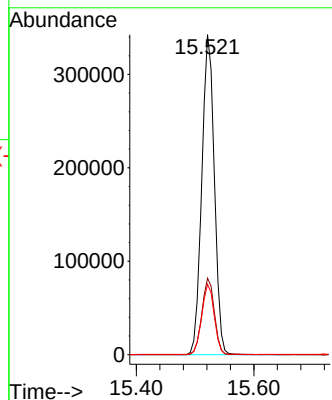
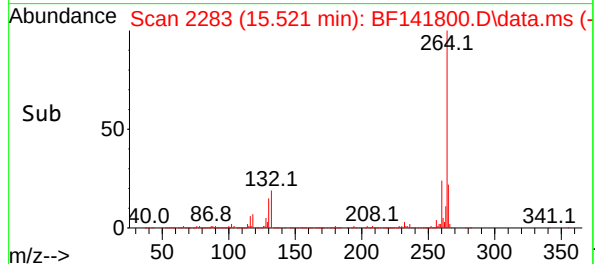
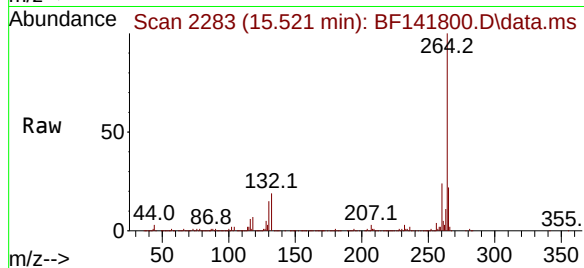
SSTDICC080

Tgt Ion:264 Resp: 508610  
Ion Ratio Lower Upper  
264 100  
260 23.9 18.9 28.3  
265 22.0 17.4 26.0

Manual Integrations

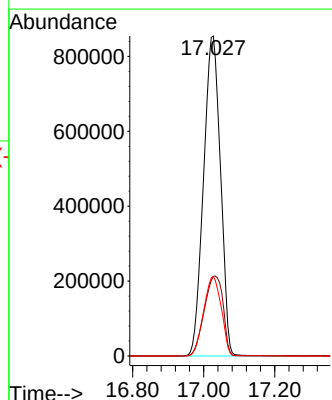
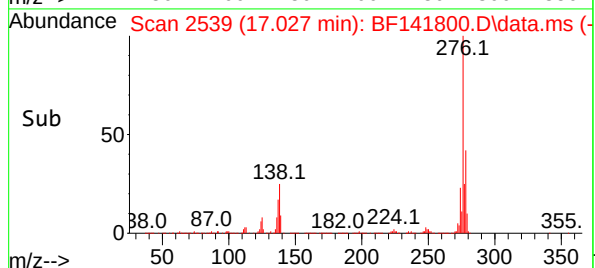
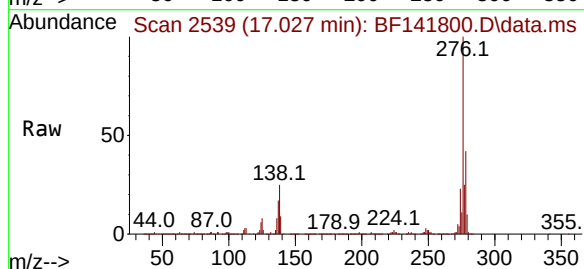
APPROVED

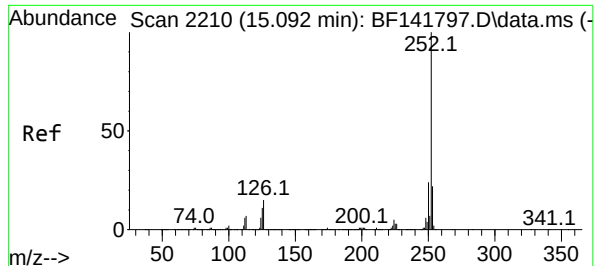
Reviewed By :Yogesh Patel 02/28/2025  
Supervised By :mohammad ahmed 02/28/2025



#87  
Indeno(1,2,3-cd)pyrene  
Concen: 87.778 ng  
RT: 17.027 min Scan# 2539  
Delta R.T. 0.012 min  
Lab File: BF141800.D  
Acq: 27 Feb 2025 18:45

Tgt Ion:276 Resp: 2842850  
Ion Ratio Lower Upper  
276 100  
138 27.7 22.5 33.7  
277 25.7 20.3 30.5





#88

Benzo(b)fluoranthene

Concen: 73.777 ng

RT: 15.092 min Scan# 2210

Delta R.T. -0.000 min

Lab File: BF141800.D

Acq: 27 Feb 2025 18:45

Instrument :

BNA\_F

ClientSampleId :

SSTDICC080

Tgt Ion:252 Resp: 255601

Ion Ratio Lower Upper

252 100

253 22.8 17.7 26.5

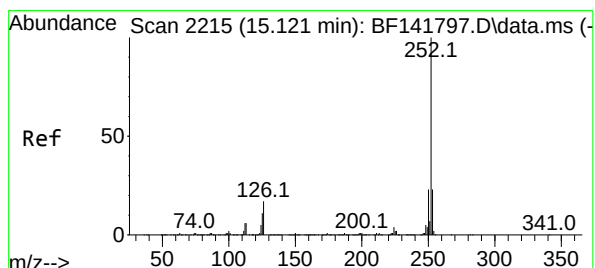
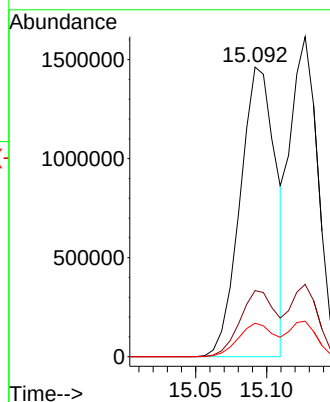
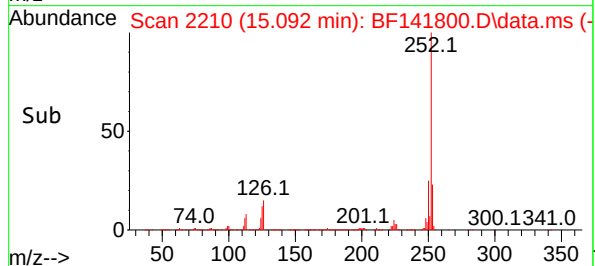
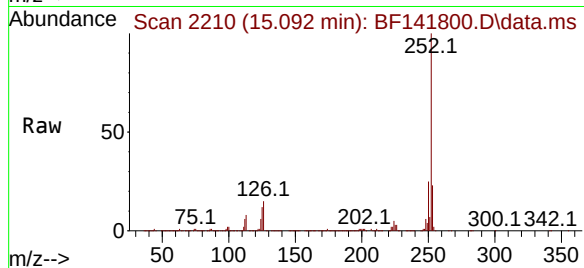
125 11.6 8.6 13.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/28/2025

Supervised By :mohammad ahmed 02/28/2025



#89

Benzo(k)fluoranthene

Concen: 74.176 ng

RT: 15.127 min Scan# 2216

Delta R.T. 0.006 min

Lab File: BF141800.D

Acq: 27 Feb 2025 18:45

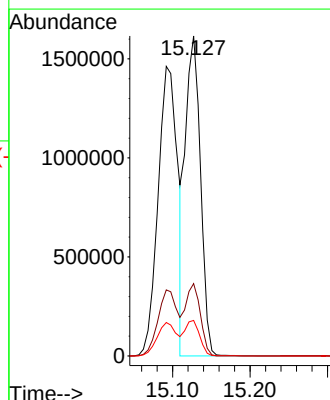
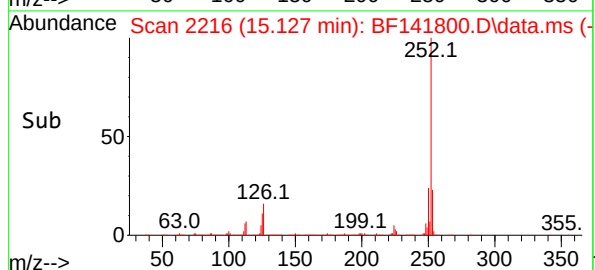
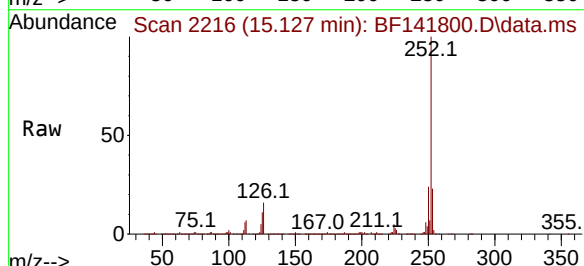
Tgt Ion:252 Resp: 2184261

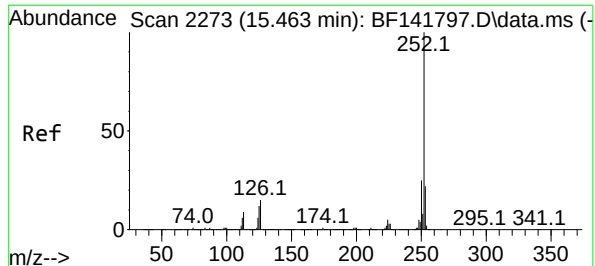
Ion Ratio Lower Upper

252 100

253 22.6 17.8 26.8

125 11.1 8.8 13.2





#90

Benzo(a)pyrene

Concen: 77.617 ng

RT: 15.468 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF141800.D

Acq: 27 Feb 2025 18:45

Instrument :

BNA\_F

ClientSampleId :

SSTDICC080

Tgt Ion:252 Resp: 215658

Ion Ratio Lower Upper

252 100

253 22.2 17.5 26.3

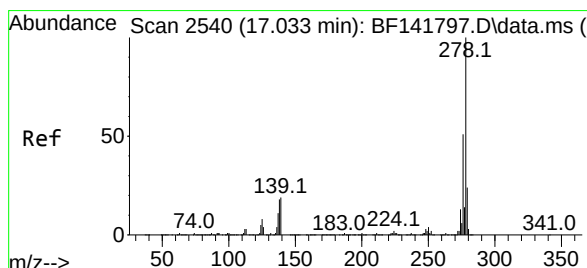
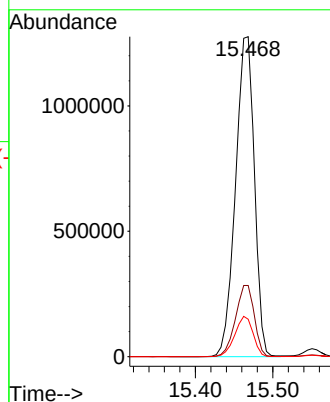
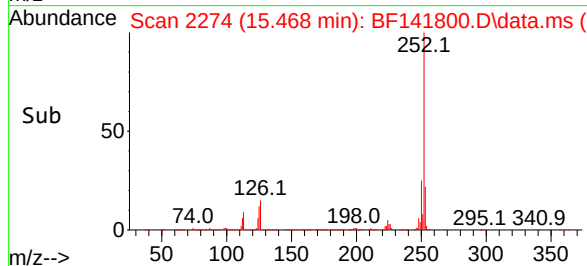
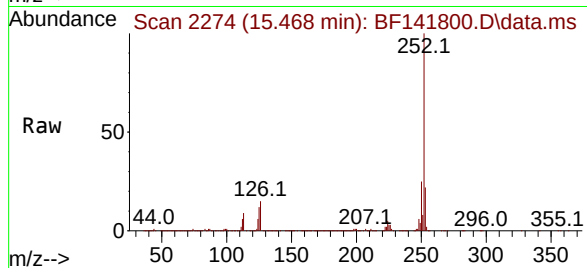
125 11.7 9.4 14.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/28/2025

Supervised By :mohammad ahmed 02/28/2025



#91

Dibenzo(a,h)anthracene

Concen: 85.844 ng

RT: 17.051 min Scan# 2543

Delta R.T. 0.017 min

Lab File: BF141800.D

Acq: 27 Feb 2025 18:45

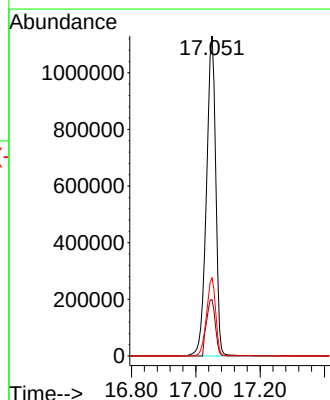
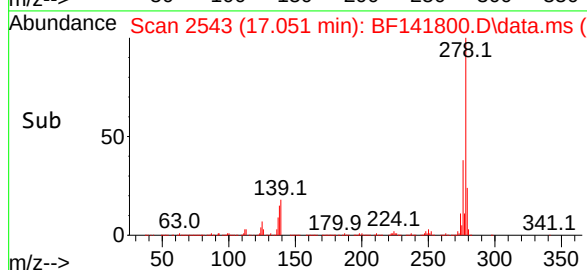
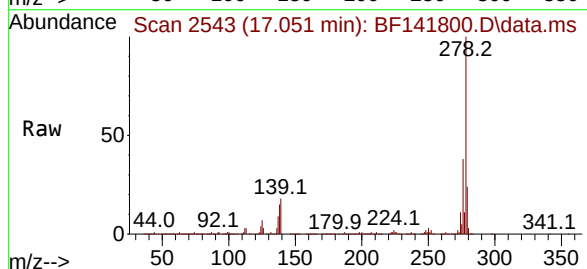
Tgt Ion:278 Resp: 2269377

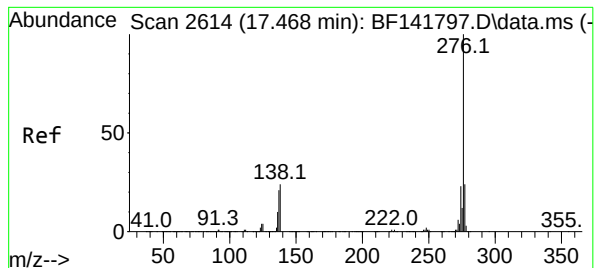
Ion Ratio Lower Upper

278 100

139 17.6 14.9 22.3

279 24.4 19.3 28.9





#92

Benzo(g,h,i)perylene

Concen: 88.534 ng

RT: 17.486 min Scan# 20

Delta R.T. 0.017 min

Lab File: BF141800.D

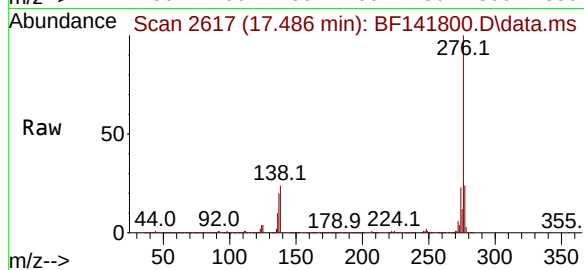
Acq: 27 Feb 2025 18:45

Instrument :

BNA\_F

ClientSampleId :

SSTDICC080



Tgt Ion:276 Resp: 239775

Ion Ratio Lower Upper

276 100

277 23.8 19.4 29.0

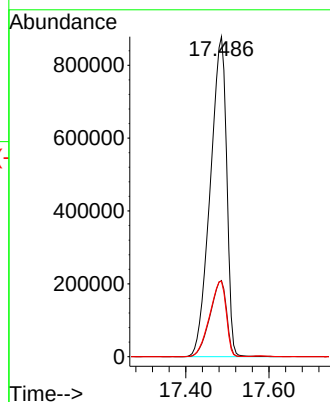
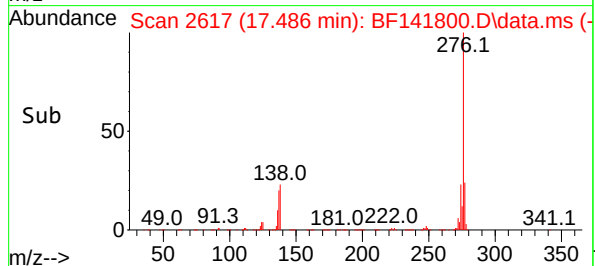
138 23.5 19.3 28.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/28/2025

Supervised By :mohammad ahmed 02/28/2025



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF022725\  
 Data File : BF141801.D  
 Acq On : 27 Feb 2025 19:45  
 Operator : RC/JU  
 Sample : SSTDICV040  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 ICVBF022725

Quant Time: Feb 28 01:51:40 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF022725.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Feb 28 01:48:16 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.892  | 152  | 336406   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.175  | 136  | 1367272  | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.928  | 164  | 753741   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.410 | 188  | 1211382  | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 14.051 | 240  | 696919   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12              | 15.521 | 264  | 634238   | 20.000 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.498  | 112  | 1736670  | 82.443 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.510  | 99   | 2276751  | 83.039 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.457  | 82   | 2025812  | 94.707 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.716 | 330  | 596677   | 84.321 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.245  | 172  | 3570541  | 75.957 | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.998 | 244  | 3534753  | 82.060 | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.681  | 88   | 396533   | 41.486 | ng    | 100      |
| 3) Pyridine                   | 3.446  | 79   | 1012428  | 42.572 | ng    | 99       |
| 4) n-Nitrosodimethylamine     | 3.404  | 42   | 498621   | 43.575 | ng    | 99       |
| 6) Aniline                    | 6.557  | 93   | 1221626  | 42.857 | ng    | 100      |
| 8) 2-Chlorophenol             | 6.675  | 128  | 957321   | 42.011 | ng    | 100      |
| 9) Benzaldehyde               | 6.440  | 77   | 696694   | 43.684 | ng    | 99       |
| 10) Phenol                    | 6.528  | 94   | 1219216  | 41.614 | ng    | 99       |
| 11) bis(2-Chloroethyl)ether   | 6.628  | 93   | 932690   | 41.763 | ng    | 99       |
| 12) 1,3-Dichlorobenzene       | 6.834  | 146  | 1012705  | 41.498 | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 6.910  | 146  | 1009763  | 41.066 | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 7.063  | 146  | 938112   | 40.857 | ng    | 100      |
| 15) Benzyl Alcohol            | 7.028  | 79   | 932679   | 42.564 | ng    | 99       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.163  | 45   | 1447535  | 42.679 | ng    | 99       |
| 17) 2-Methylphenol            | 7.134  | 107  | 796850   | 42.365 | ng    | 100      |
| 18) Hexachloroethane          | 7.404  | 117  | 389901   | 42.366 | ng    | 99       |
| 19) n-Nitroso-di-n-propyla... | 7.310  | 70   | 748423   | 41.525 | ng    | 99       |
| 20) 3+4-Methylphenols         | 7.292  | 107  | 979968   | 41.840 | ng    | # 85     |
| 22) Acetophenone              | 7.298  | 105  | 1345874  | 40.417 | ng    | 98       |
| 24) Nitrobenzene              | 7.475  | 77   | 1047974  | 45.751 | ng    | 100      |
| 25) Isophorone                | 7.710  | 82   | 1881562  | 40.944 | ng    | 99       |
| 26) 2-Nitrophenol             | 7.787  | 139  | 462297   | 45.447 | ng    | 99       |
| 27) 2,4-Dimethylphenol        | 7.816  | 122  | 708317   | 41.931 | ng    | 100      |
| 28) bis(2-Chloroethoxy)met... | 7.922  | 93   | 1183035  | 40.357 | ng    | 100      |
| 29) 2,4-Dichlorophenol        | 8.022  | 162  | 821536   | 42.157 | ng    | 100      |
| 30) 1,2,4-Trichlorobenzene    | 8.110  | 180  | 870339   | 40.757 | ng    | 100      |
| 31) Naphthalene               | 8.192  | 128  | 2800645  | 39.854 | ng    | 100      |
| 32) Benzoic acid              | 7.939  | 122  | 635541   | 45.545 | ng    | 99       |
| 33) 4-Chloroaniline           | 8.239  | 127  | 1033113  | 40.096 | ng    | 99       |
| 34) Hexachlorobutadiene       | 8.310  | 225  | 544620   | 41.042 | ng    | 99       |
| 35) Caprolactam               | 8.616  | 113  | 256209   | 42.737 | ng    | 99       |
| 36) 4-Chloro-3-methylphenol   | 8.710  | 107  | 905842   | 41.844 | ng    | 100      |
| 37) 2-Methylnaphthalene       | 8.881  | 142  | 1830313  | 39.710 | ng    | 99       |
| 38) 1-Methylnaphthalene       | 8.981  | 142  | 1752937  | 39.635 | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 9.045  | 216  | 872629   | 40.086 | ng    | 100      |
| 41) Hexachlorocyclopentadiene | 9.039  | 237  | 354082   | 38.975 | ng    | 98       |
| 43) 2,4,6-Trichlorophenol     | 9.157  | 196  | 592786   | 42.156 | ng    | 99       |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF022725\  
 Data File : BF141801.D  
 Acq On : 27 Feb 2025 19:45  
 Operator : RC/JU  
 Sample : SSTDICV040  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 ICVBF022725

Quant Time: Feb 28 01:51:40 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF022725.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Feb 28 01:48:16 2025  
 Response via : Initial Calibration

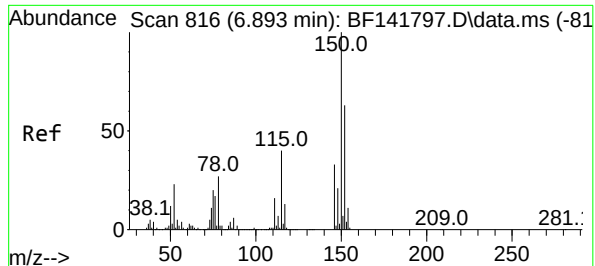
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.192  | 196  | 582125   | 41.806 | ng    | 100      |
| 46) 1,1'-Biphenyl             | 9.351  | 154  | 2229687  | 38.864 | ng    | 100      |
| 47) 2-Chloronaphthalene       | 9.375  | 162  | 1663643  | 39.288 | ng    | 100      |
| 48) 2-Nitroaniline            | 9.463  | 65   | 514104   | 44.684 | ng    | 99       |
| 49) Acenaphthylene            | 9.792  | 152  | 2533613  | 39.907 | ng    | 100      |
| 50) Dimethylphthalate         | 9.651  | 163  | 2031698  | 40.250 | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 9.710  | 165  | 425445   | 44.292 | ng    | 97       |
| 52) Acenaphthene              | 9.963  | 154  | 1734464  | 40.488 | ng    | 99       |
| 53) 3-Nitroaniline            | 9.881  | 138  | 449174   | 43.938 | ng    | 95       |
| 54) 2,4-Dinitrophenol         | 9.981  | 184  | 176378   | 47.494 | ng    | # 1      |
| 55) Dibenzofuran              | 10.133 | 168  | 2456099  | 39.391 | ng    | 100      |
| 56) 4-Nitrophenol             | 10.022 | 139  | 370704   | 49.725 | ng    | 99       |
| 57) 2,4-Dinitrotoluene        | 10.110 | 165  | 536914   | 45.704 | ng    | 99       |
| 58) Fluorene                  | 10.475 | 166  | 1800318  | 38.547 | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol | 10.245 | 232  | 515976   | 42.607 | ng    | 100      |
| 60) Diethylphthalate          | 10.351 | 149  | 2018830  | 39.896 | ng    | 100      |
| 61) 4-Chlorophenyl-phenyle... | 10.469 | 204  | 901998   | 38.546 | ng    | 99       |
| 62) 4-Nitroaniline            | 10.492 | 138  | 421232   | 48.866 | ng    | 99       |
| 63) Azobenzene                | 10.628 | 77   | 2141198  | 40.188 | ng    | 99       |
| 65) 4,6-Dinitro-2-methylph... | 10.516 | 198  | 256241   | 45.441 | ng    | 99       |
| 66) n-Nitrosodiphenylamine    | 10.586 | 169  | 1608263  | 40.431 | ng    | 100      |
| 67) 4-Bromophenyl-phenylether | 10.957 | 248  | 574667   | 40.614 | ng    | 99       |
| 68) Hexachlorobenzene         | 11.022 | 284  | 608067   | 40.697 | ng    | 99       |
| 69) Atrazine                  | 11.110 | 200  | 420733   | 38.463 | ng    | 99       |
| 70) Pentachlorophenol         | 11.210 | 266  | 417260   | 44.032 | ng    | 100      |
| 71) Phenanthrene              | 11.439 | 178  | 2557877  | 39.475 | ng    | 100      |
| 72) Anthracene                | 11.486 | 178  | 2540876  | 39.126 | ng    | 99       |
| 73) Carbazole                 | 11.639 | 167  | 2254761  | 39.317 | ng    | 100      |
| 74) Di-n-butylphthalate       | 11.975 | 149  | 2874276  | 39.540 | ng    | 100      |
| 75) Fluoranthene              | 12.622 | 202  | 2552790  | 38.448 | ng    | 100      |
| 77) Benzidine                 | 12.739 | 184  | 657519   | 74.959 | ng    | 99       |
| 78) Pyrene                    | 12.851 | 202  | 2553211  | 42.307 | ng    | 100      |
| 80) Butylbenzylphthalate      | 13.469 | 149  | 957186   | 43.655 | ng    | 98       |
| 81) Benzo(a)anthracene        | 14.039 | 228  | 1852195  | 40.236 | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine    | 14.004 | 252  | 573075   | 43.392 | ng    | 100      |
| 83) Chrysene                  | 14.074 | 228  | 1718188  | 40.491 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 14.033 | 149  | 1183508  | 43.350 | ng    | 99       |
| 85) Di-n-octyl phthalate      | 14.645 | 149  | 1881499  | 46.033 | ng    | 99       |
| 87) Indeno(1,2,3-cd)pyrene    | 17.015 | 276  | 1767077  | 43.754 | ng    | 100      |
| 88) Benzo(b)fluoranthene      | 15.086 | 252  | 1710890  | 39.602 | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 15.121 | 252  | 1454422  | 39.608 | ng    | 99       |
| 90) Benzo(a)pyrene            | 15.457 | 252  | 1416788  | 40.891 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 17.033 | 278  | 1440368  | 43.693 | ng    | 100      |
| 92) Benzo(g,h,i)perylene      | 17.468 | 276  | 1484943  | 43.969 | ng    | 99       |

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

**Instrument :**  
BNA\_F  
**ClientSampleId :**  
ICVBF022725

[illegible]

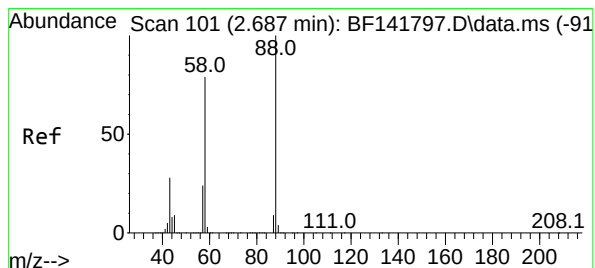
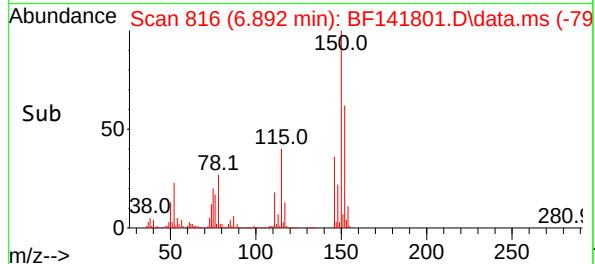
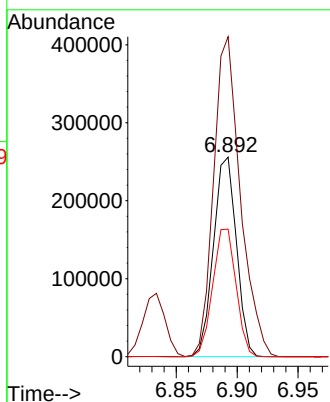
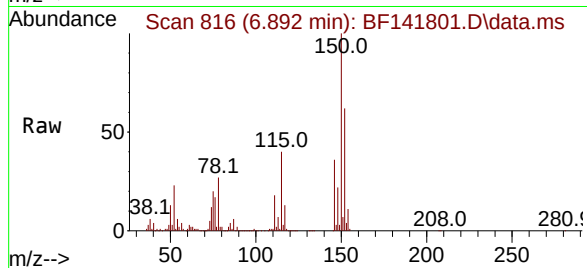




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.892 min Scan# 81  
Delta R.T. -0.001 min  
Lab File: BF141801.D  
Acq: 27 Feb 2025 19:45

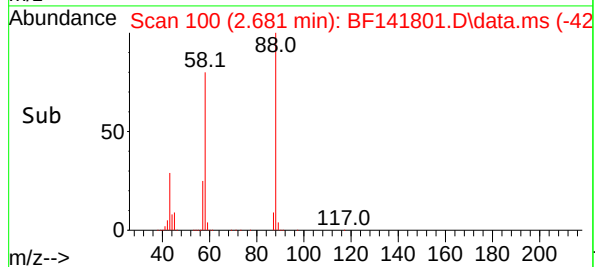
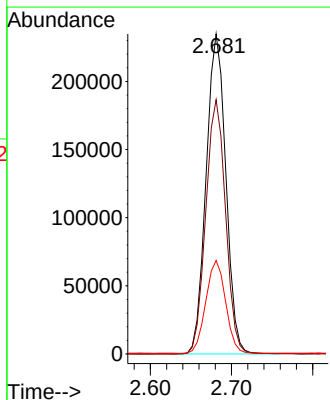
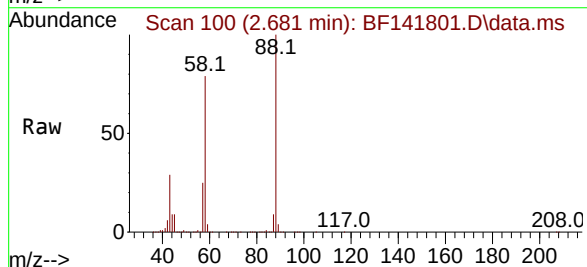
Instrument :  
BNA\_F  
ClientSampleId :  
ICVBF022725

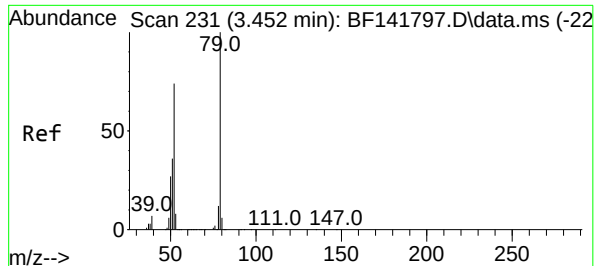
Tgt Ion:152 Resp: 336406  
Ion Ratio Lower Upper  
152 100  
150 160.3 127.5 191.3  
115 63.9 51.4 77.2



#2  
1,4-Dioxane  
Concen: 41.486 ng  
RT: 2.681 min Scan# 100  
Delta R.T. -0.006 min  
Lab File: BF141801.D  
Acq: 27 Feb 2025 19:45

Tgt Ion: 88 Resp: 396533  
Ion Ratio Lower Upper  
88 100  
58 79.7 63.9 95.9  
43 29.0 23.0 34.6





#3

Pyridine

Concen: 42.572 ng

RT: 3.446 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF141801.D

Acq: 27 Feb 2025 19:45

Instrument :

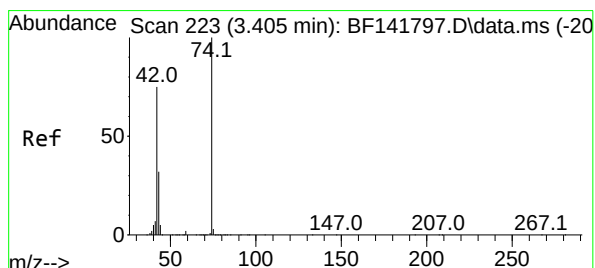
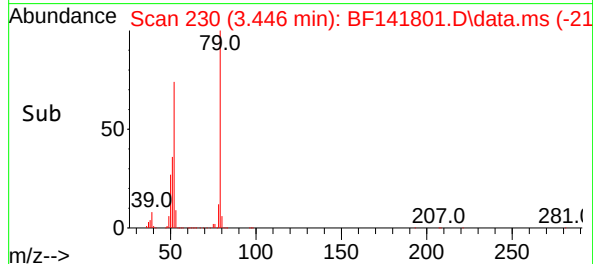
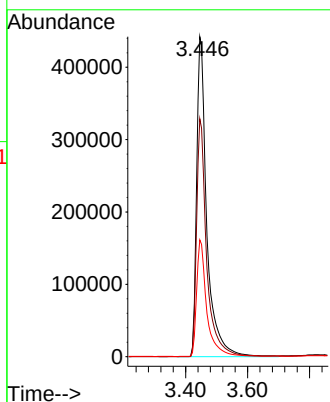
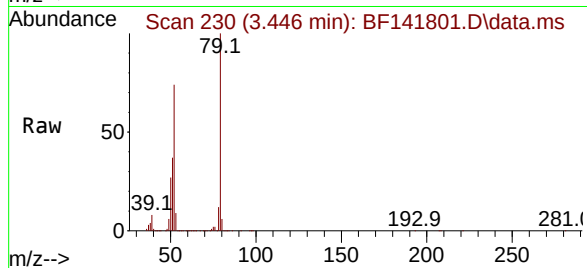
BNA\_F

ClientSampleId :

ICVBF022725

Tgt Ion: 79 Resp: 1012428

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 79  | 100   |       |       |
| 52  | 74.3  | 59.0  | 88.4  |
| 51  | 36.5  | 29.0  | 43.4  |



#4

n-Nitrosodimethylamine

Concen: 43.575 ng

RT: 3.404 min Scan# 223

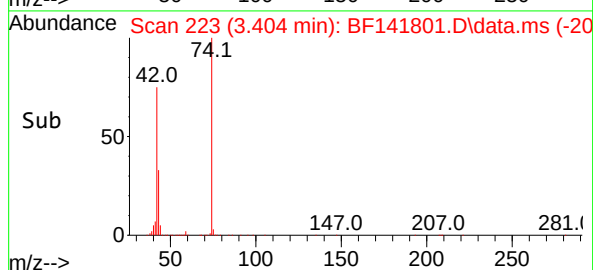
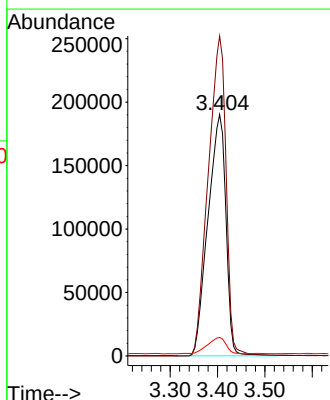
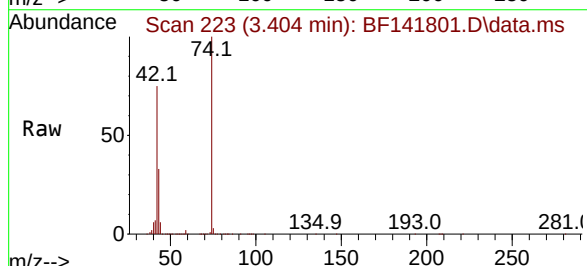
Delta R.T. -0.000 min

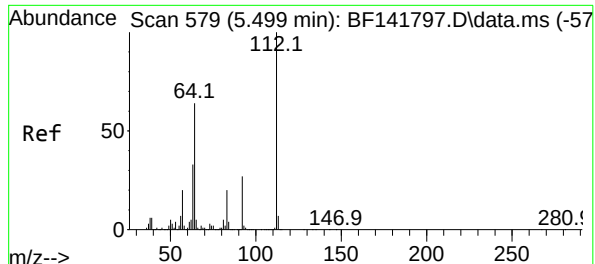
Lab File: BF141801.D

Acq: 27 Feb 2025 19:45

Tgt Ion: 42 Resp: 498621

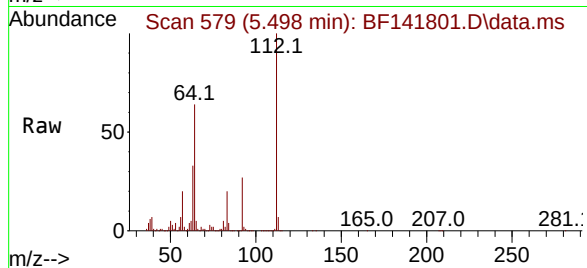
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 42  | 100   |       |       |
| 74  | 132.5 | 107.1 | 160.7 |
| 44  | 7.7   | 6.6   | 9.8   |



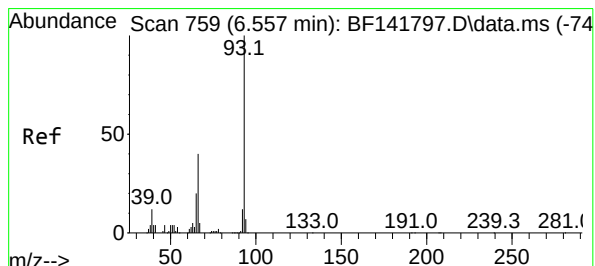
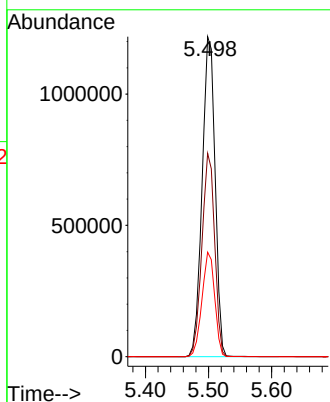
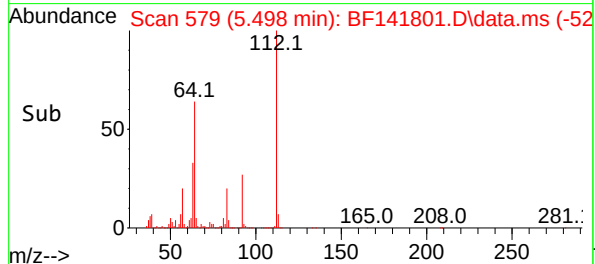


#5  
2-Fluorophenol  
Concen: 82.443 ng  
RT: 5.498 min Scan# 51  
Delta R.T. -0.000 min  
Lab File: BF141801.D  
Acq: 27 Feb 2025 19:45

Instrument :  
BNA\_F  
ClientSampleId :  
ICVBF022725

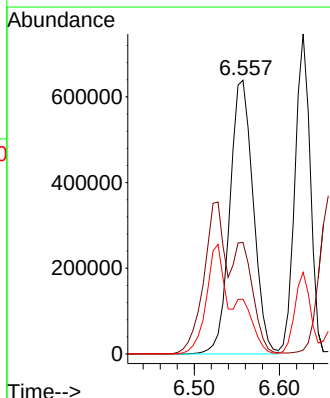
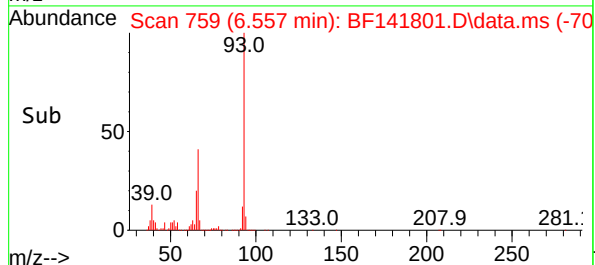
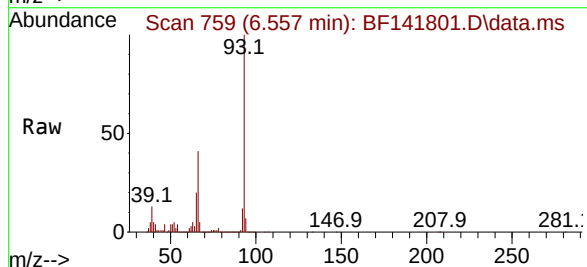


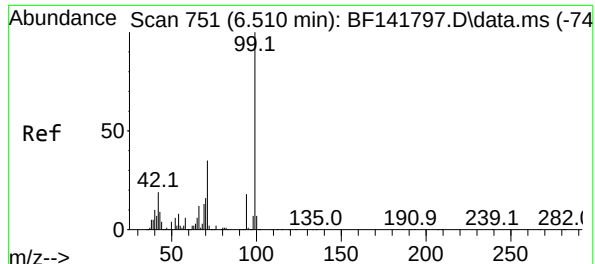
Tgt Ion:112 Resp: 1736670  
Ion Ratio Lower Upper  
112 100  
64 63.5 51.3 76.9  
63 32.6 26.2 39.4



#6  
Aniline  
Concen: 42.857 ng  
RT: 6.557 min Scan# 759  
Delta R.T. -0.000 min  
Lab File: BF141801.D  
Acq: 27 Feb 2025 19:45

Tgt Ion: 93 Resp: 1221626  
Ion Ratio Lower Upper  
93 100  
66 40.7 32.3 48.5  
65 20.0 15.9 23.9





#7

Phenol-d6

Concen: 83.039 ng

RT: 6.510 min Scan# 751

Delta R.T. -0.000 min

Lab File: BF141801.D

Acq: 27 Feb 2025 19:45

Instrument :

BNA\_F

ClientSampleId :

ICVBF022725

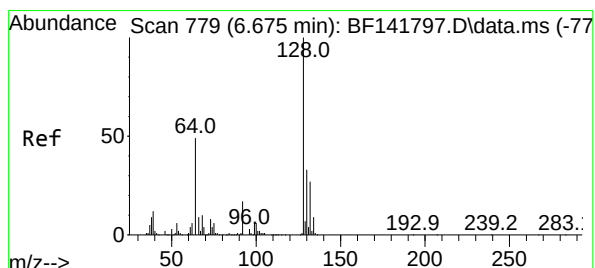
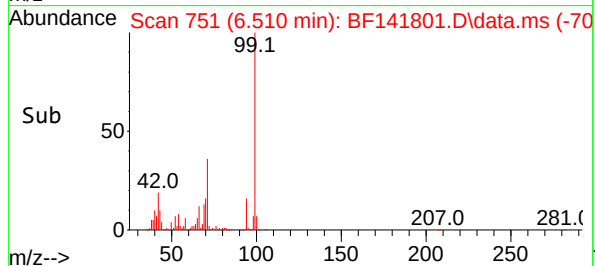
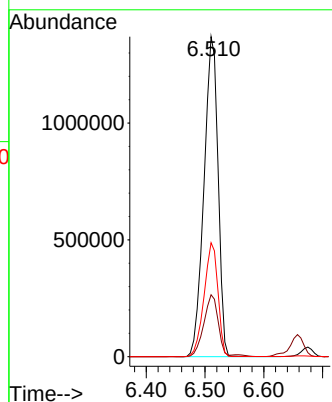
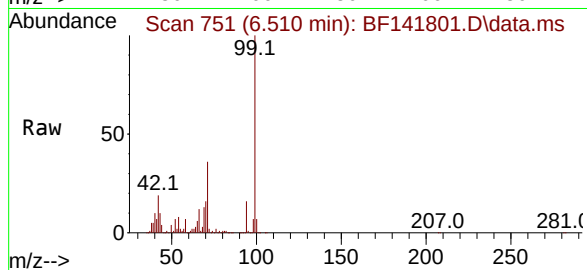
Tgt Ion: 99 Resp: 2276751

Ion Ratio Lower Upper

99 100

42 19.4 15.2 22.8

71 35.6 28.2 42.2



#8

2-Chlorophenol

Concen: 42.011 ng

RT: 6.675 min Scan# 779

Delta R.T. -0.000 min

Lab File: BF141801.D

Acq: 27 Feb 2025 19:45

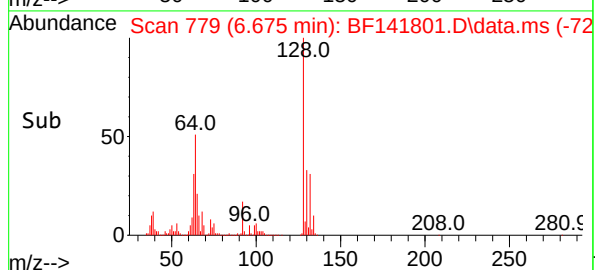
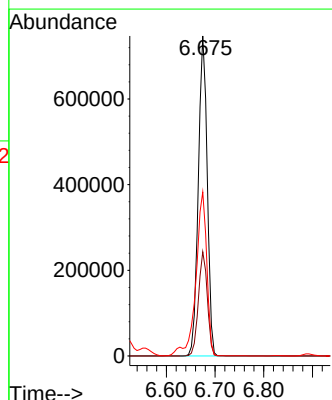
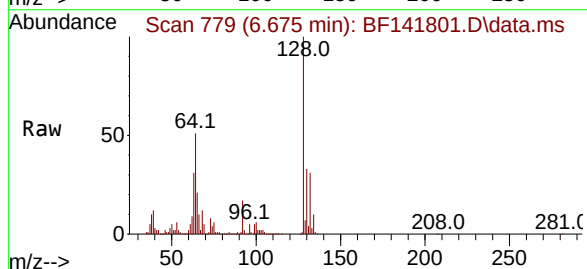
Tgt Ion: 128 Resp: 957321

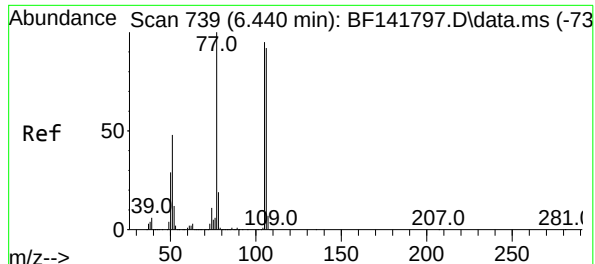
Ion Ratio Lower Upper

128 100

130 32.5 12.6 52.6

64 51.2 31.1 71.1

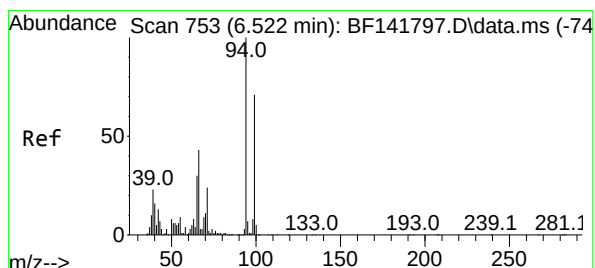
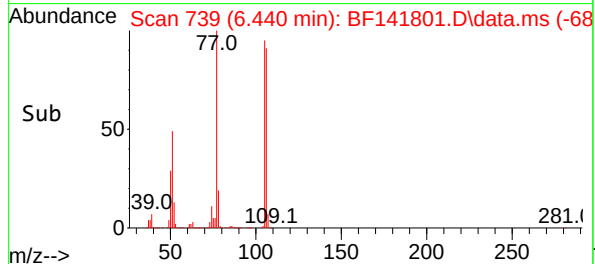
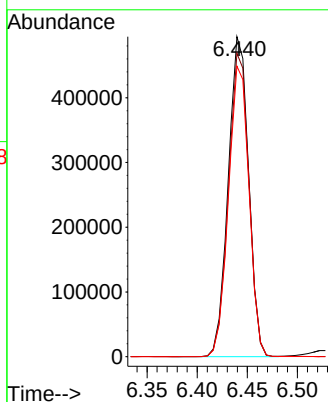
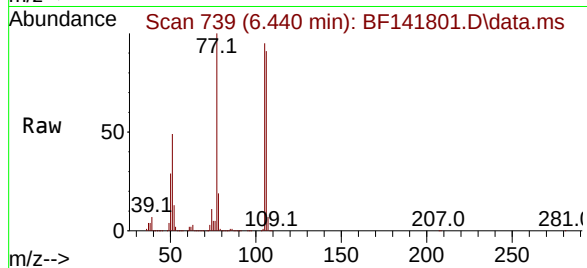




#9  
Benzaldehyde  
Concen: 43.684 ng  
RT: 6.440 min Scan# 710  
Delta R.T. -0.000 min  
Lab File: BF141801.D  
Acq: 27 Feb 2025 19:45

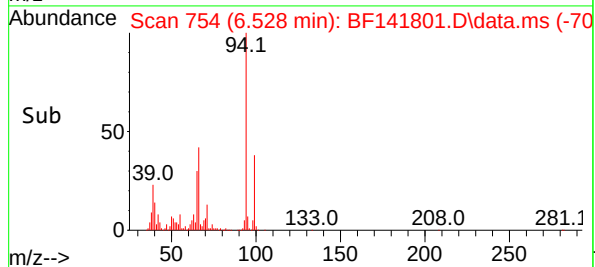
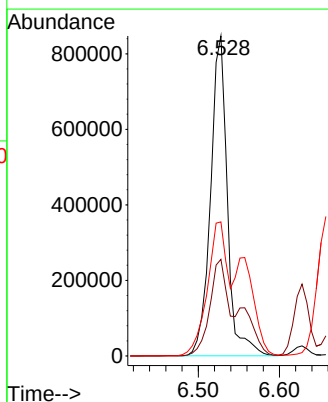
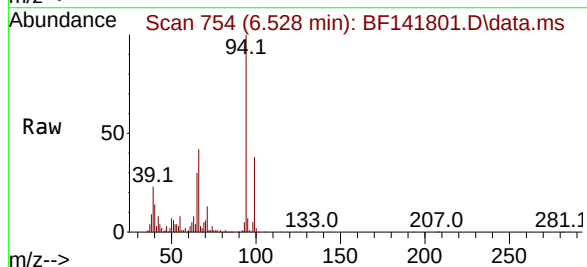
Instrument :  
BNA\_F  
ClientSampleId :  
ICVBF022725

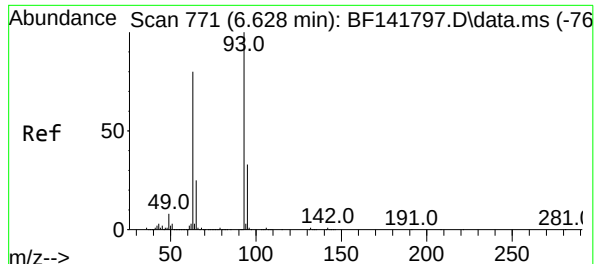
Tgt Ion: 77 Resp: 696694  
Ion Ratio Lower Upper  
77 100  
105 94.8 75.3 115.3  
106 90.8 72.3 112.3



#10  
Phenol  
Concen: 41.614 ng  
RT: 6.528 min Scan# 754  
Delta R.T. 0.006 min  
Lab File: BF141801.D  
Acq: 27 Feb 2025 19:45

Tgt Ion: 94 Resp: 1219216  
Ion Ratio Lower Upper  
94 100  
65 30.2 10.2 50.2  
66 41.9 23.2 63.2

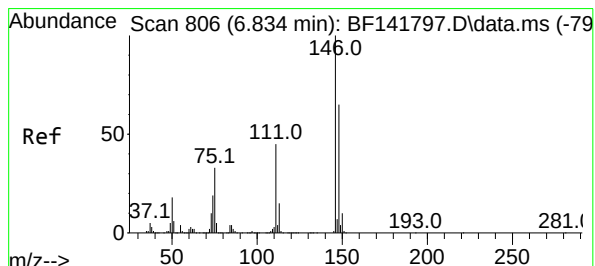
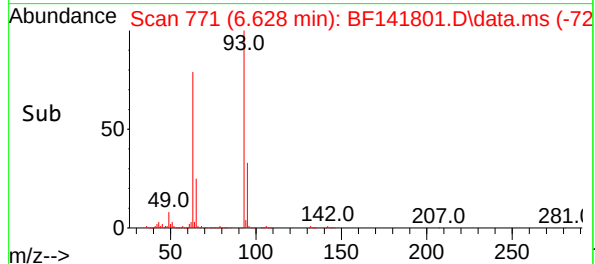
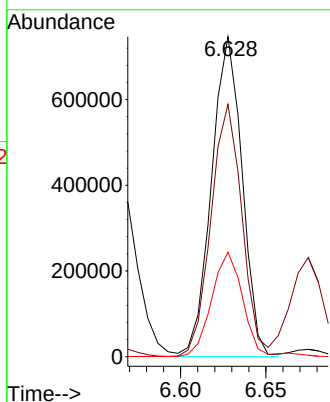
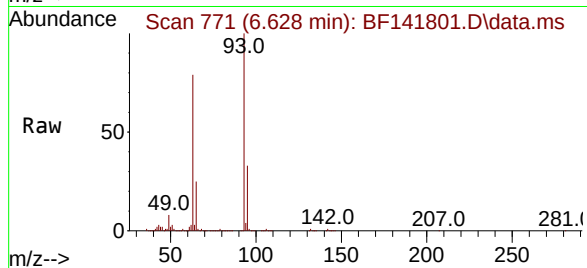




#11  
bis(2-Chloroethyl)ether  
Concen: 41.763 ng  
RT: 6.628 min Scan# 771  
Delta R.T. -0.000 min  
Lab File: BF141801.D  
Acq: 27 Feb 2025 19:45

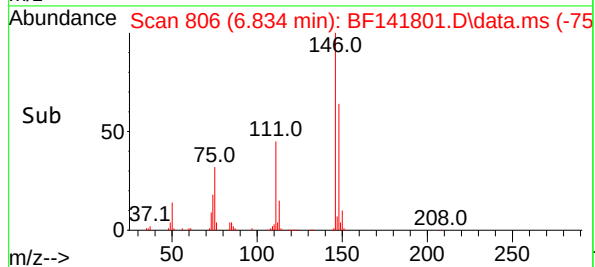
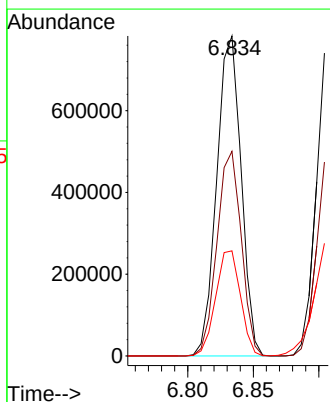
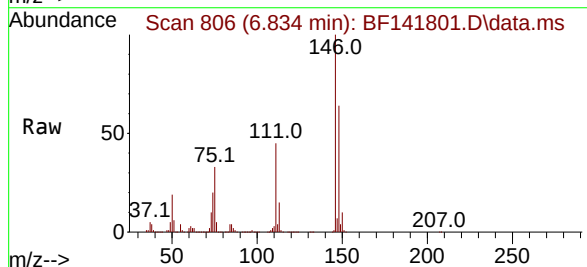
Instrument :  
BNA\_F  
ClientSampleId :  
ICVBF022725

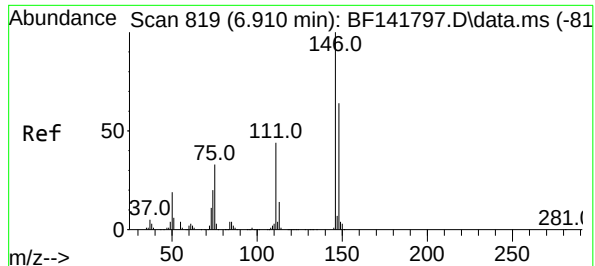
Tgt Ion: 93 Resp: 932690  
Ion Ratio Lower Upper  
93 100  
63 78.9 59.3 99.3  
95 32.6 13.2 53.2



#12  
1,3-Dichlorobenzene  
Concen: 41.498 ng  
RT: 6.834 min Scan# 806  
Delta R.T. -0.000 min  
Lab File: BF141801.D  
Acq: 27 Feb 2025 19:45

Tgt Ion: 146 Resp: 1012705  
Ion Ratio Lower Upper  
146 100  
148 63.9 51.8 77.6  
75 32.9 26.2 39.4





#13

1,4-Dichlorobenzene

Concen: 41.066 ng

RT: 6.910 min Scan# 819

Delta R.T. -0.000 min

Lab File: BF141801.D

Acq: 27 Feb 2025 19:45

Instrument :

BNA\_F

ClientSampleId :

ICVBF022725

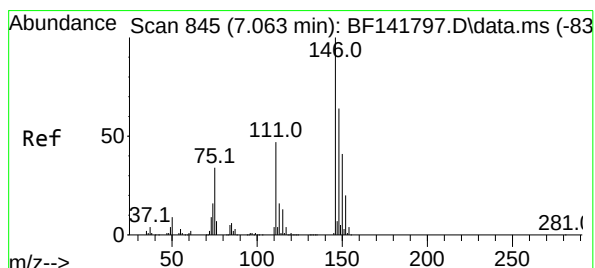
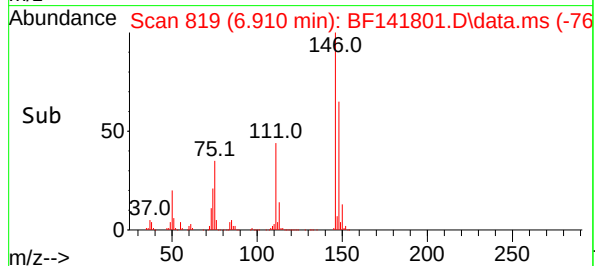
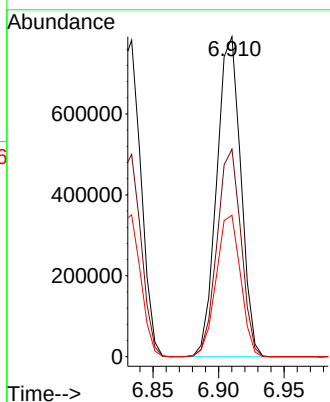
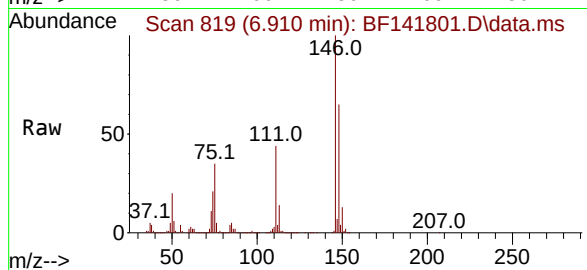
Tgt Ion:146 Resp: 1009763

Ion Ratio Lower Upper

146 100

148 64.8 51.4 77.2

111 44.2 35.5 53.3



#14

1,2-Dichlorobenzene

Concen: 40.857 ng

RT: 7.063 min Scan# 845

Delta R.T. -0.000 min

Lab File: BF141801.D

Acq: 27 Feb 2025 19:45

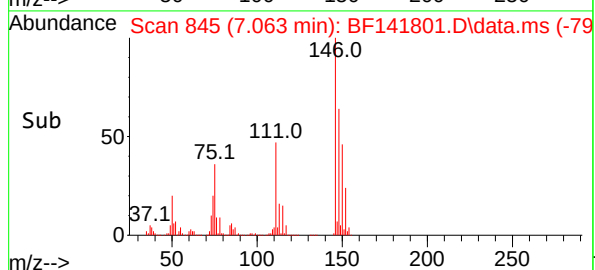
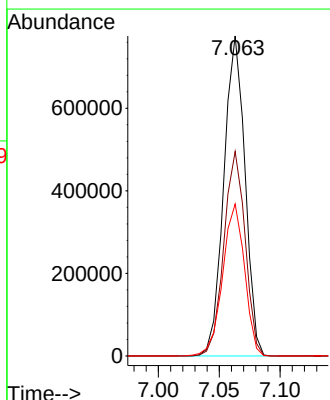
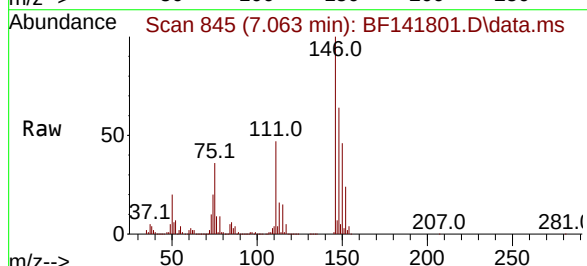
Tgt Ion:146 Resp: 938112

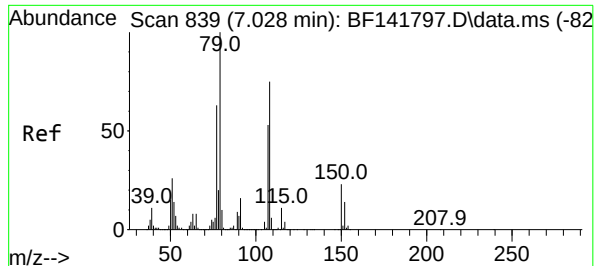
Ion Ratio Lower Upper

146 100

148 63.9 51.2 76.8

111 47.5 37.8 56.6





#15

Benzyl Alcohol

Concen: 42.564 ng

RT: 7.028 min Scan# 81

Delta R.T. -0.000 min

Lab File: BF141801.D

Acq: 27 Feb 2025 19:45

Instrument :

BNA\_F

ClientSampleId :

ICVBF022725

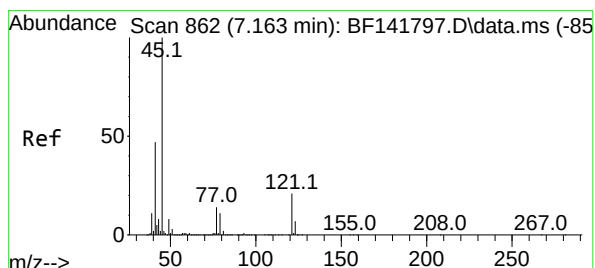
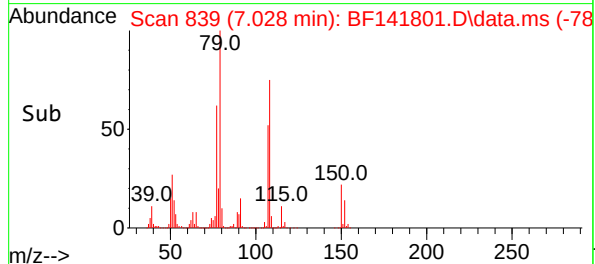
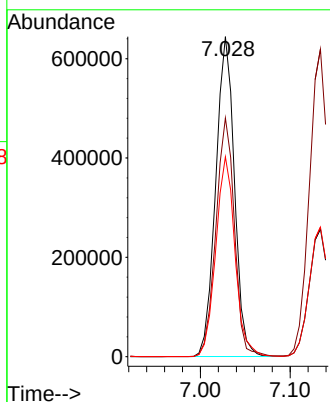
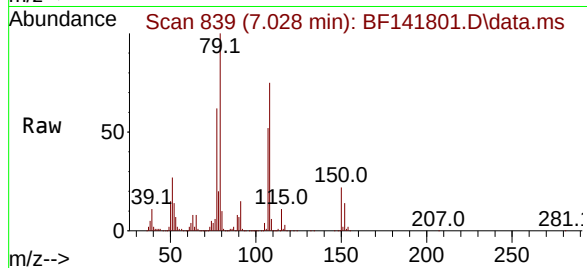
Tgt Ion: 79 Resp: 932679

Ion Ratio Lower Upper

79 100

108 74.6 60.2 90.2

77 62.5 50.2 75.2



#16

2,2'-oxybis(1-chloropropane)

Concen: 42.679 ng

RT: 7.163 min Scan# 862

Delta R.T. -0.000 min

Lab File: BF141801.D

Acq: 27 Feb 2025 19:45

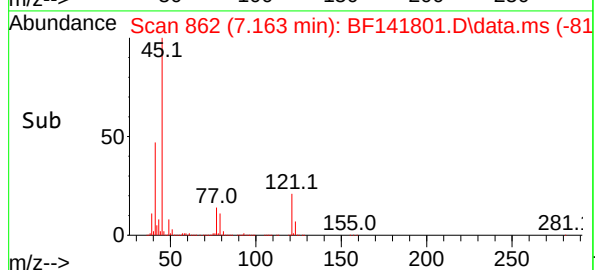
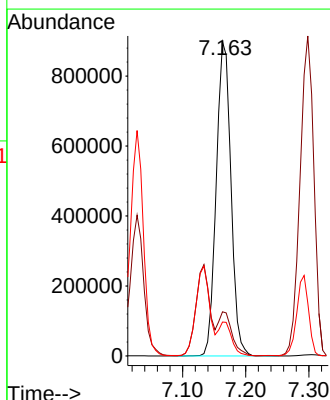
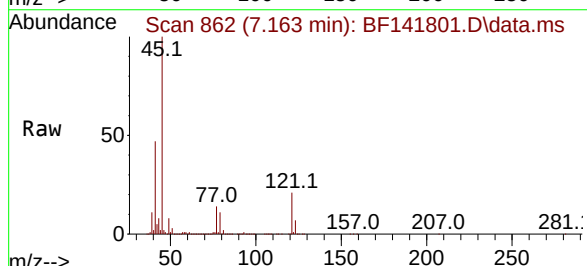
Tgt Ion: 45 Resp: 1447535

Ion Ratio Lower Upper

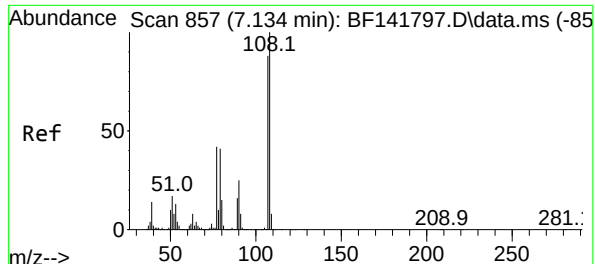
45 100

77 14.1 0.0 34.4

79 10.8 0.0 30.9







#17

2-Methylphenol

Concen: 42.365 ng

RT: 7.134 min Scan# 857

Delta R.T. -0.000 min

Lab File: BF141801.D

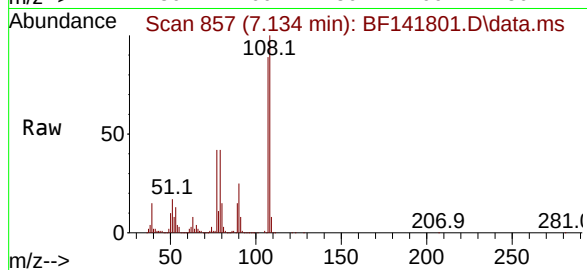
Acq: 27 Feb 2025 19:45

Instrument :

BNA\_F

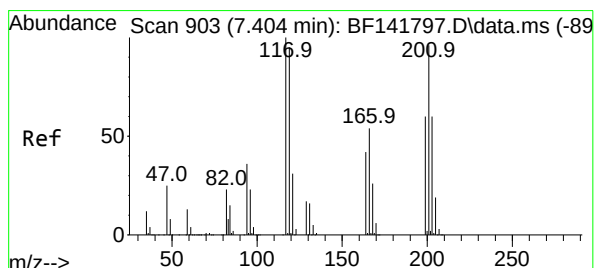
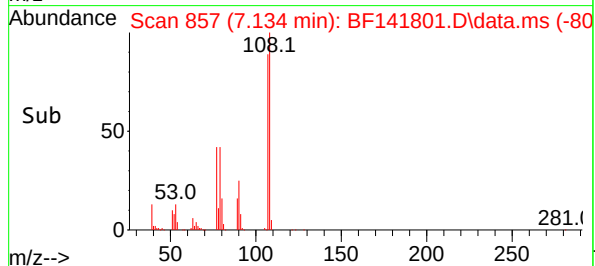
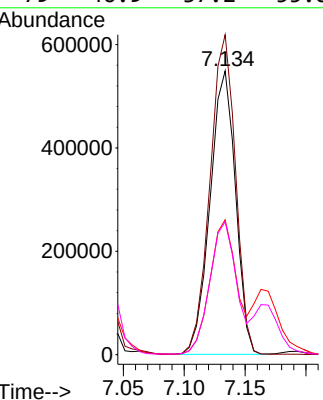
ClientSampleId :

ICVBF022725



Tgt Ion:107 Resp: 796850

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 107 | 100   |       |       |
| 108 | 112.8 | 90.6  | 135.8 |
| 77  | 47.6  | 37.7  | 56.5  |
| 79  | 46.9  | 37.2  | 55.8  |



#18

Hexachloroethane

Concen: 42.366 ng

RT: 7.404 min Scan# 903

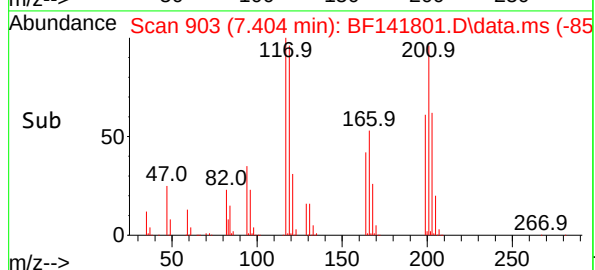
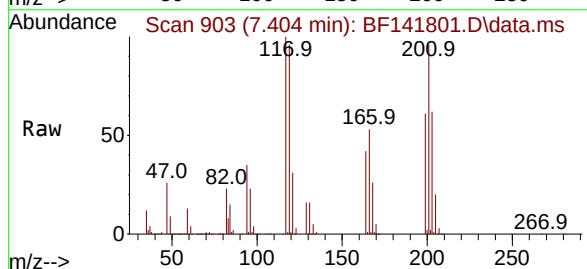
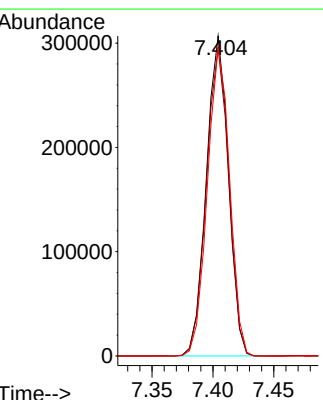
Delta R.T. -0.000 min

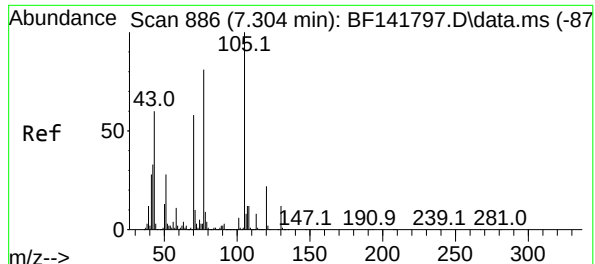
Lab File: BF141801.D

Acq: 27 Feb 2025 19:45

Tgt Ion:117 Resp: 389901

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 117 | 100   |       |       |
| 119 | 96.4  | 75.8  | 113.8 |
| 201 | 96.2  | 76.7  | 115.1 |





#19

n-Nitroso-di-n-propylamine

Concen: 41.525 ng

RT: 7.310 min Scan# 887

Delta R.T. 0.006 min

Lab File: BF141801.D

Acq: 27 Feb 2025 19:45

Instrument :

BNA\_F

ClientSampleId :

ICVBF022725

Tgt Ion: 70 Resp: 748423

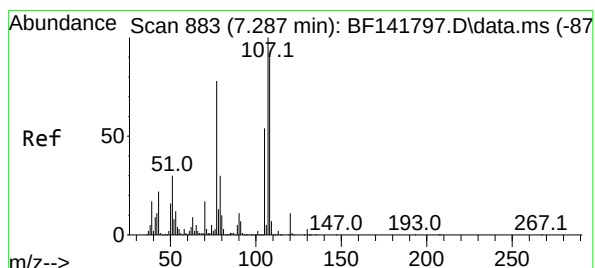
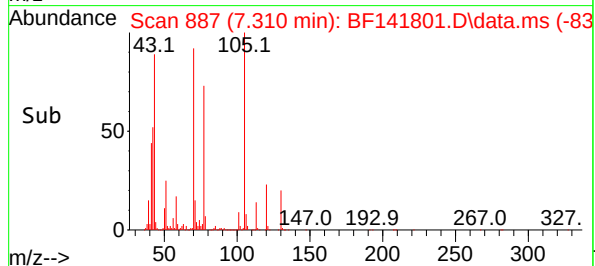
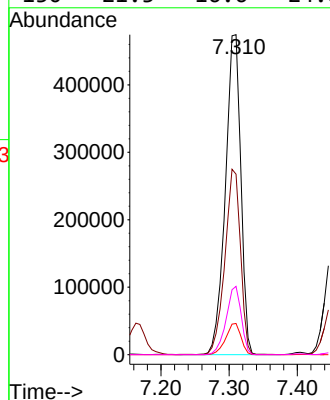
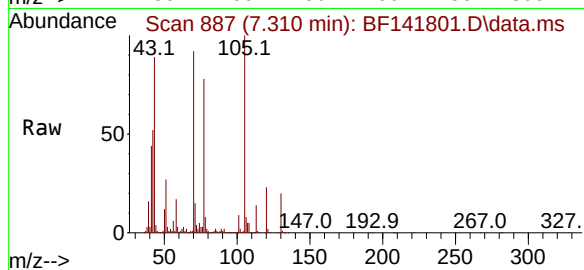
Ion Ratio Lower Upper

70 100

42 56.4 45.4 68.0

101 9.8 7.8 11.8

130 21.3 16.6 24.8



#20

3+4-Methylphenols

Concen: 41.840 ng

RT: 7.292 min Scan# 884

Delta R.T. 0.006 min

Lab File: BF141801.D

Acq: 27 Feb 2025 19:45

Tgt Ion: 107 Resp: 979968

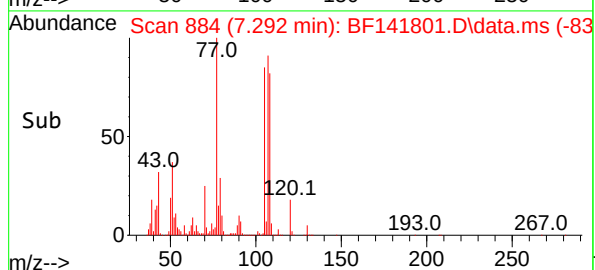
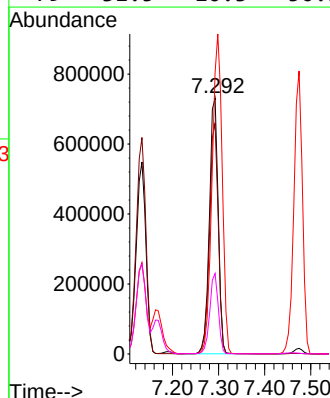
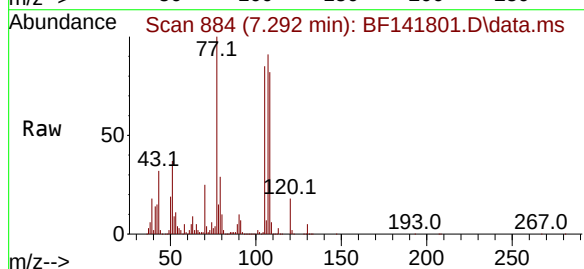
Ion Ratio Lower Upper

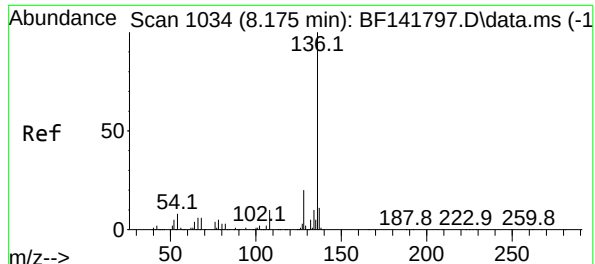
107 100

108 90.2 69.7 109.7

77 109.8 58.3 98.3#

79 31.5 10.3 50.3

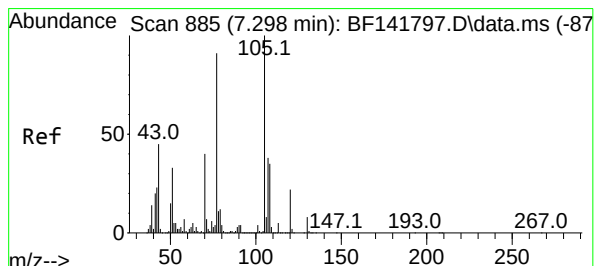
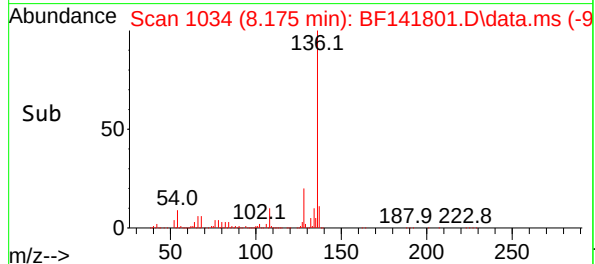
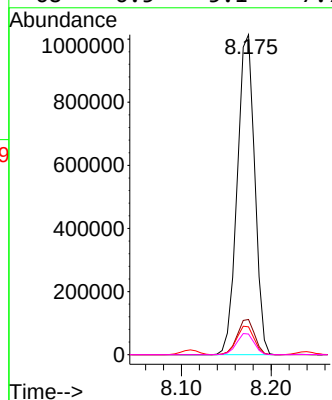
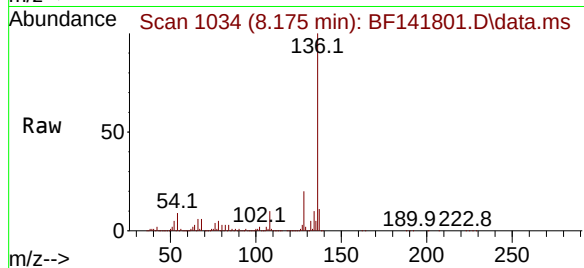




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.175 min Scan# 1034  
Delta R.T. -0.000 min  
Lab File: BF141801.D  
Acq: 27 Feb 2025 19:45

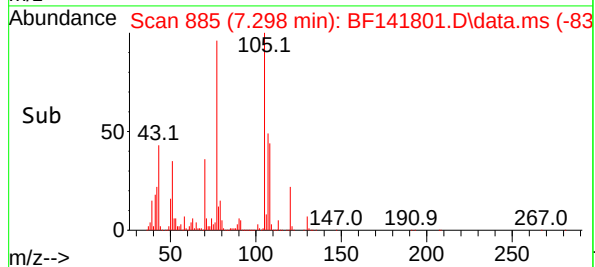
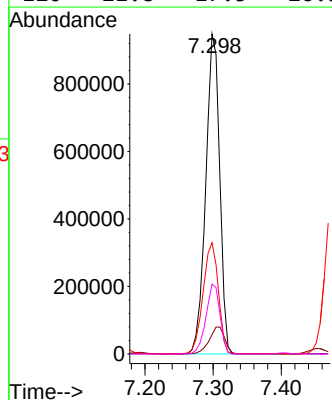
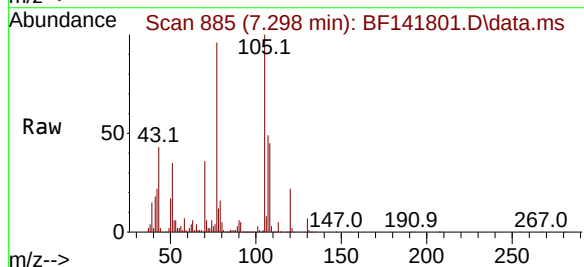
Instrument :  
BNA\_F  
ClientSampleId :  
ICVBF022725

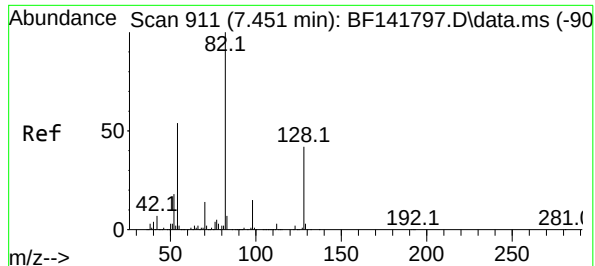
Tgt Ion:136 Resp: 1367272  
Ion Ratio Lower Upper  
136 100  
137 11.0 8.9 13.3  
54 8.7 6.9 10.3  
68 6.5 5.1 7.7



#22  
Acetophenone  
Concen: 40.417 ng  
RT: 7.298 min Scan# 885  
Delta R.T. -0.000 min  
Lab File: BF141801.D  
Acq: 27 Feb 2025 19:45

Tgt Ion:105 Resp: 1345874  
Ion Ratio Lower Upper  
105 100  
71 6.1 5.4 8.0  
51 34.8 26.1 39.1  
120 21.8 17.5 26.3





#23

Nitrobenzene-d5

Concen: 94.707 ng

RT: 7.457 min Scan# 911

Delta R.T. 0.006 min

Lab File: BF141801.D

Acq: 27 Feb 2025 19:45

Instrument :

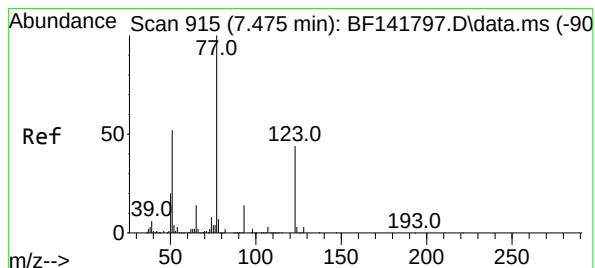
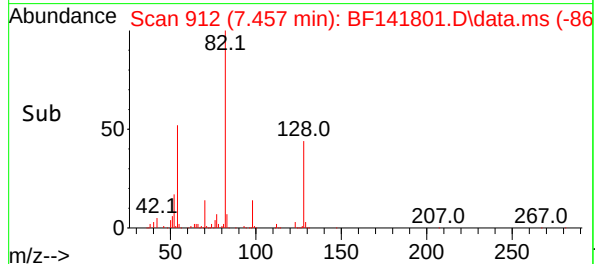
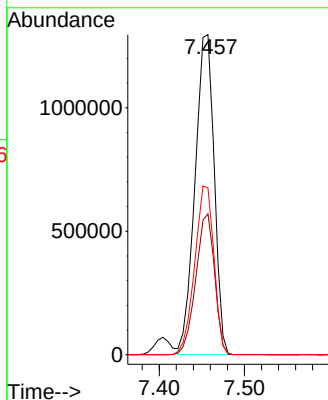
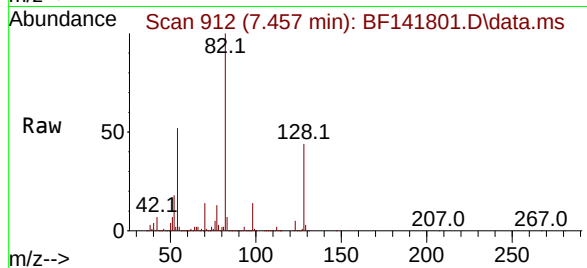
BNA\_F

ClientSampleId :

ICVBF022725

Tgt Ion: 82 Resp: 2025812

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 44.0  | 33.5  | 50.3  |
| 54  | 52.1  | 42.7  | 64.1  |



#24

Nitrobenzene

Concen: 45.751 ng

RT: 7.475 min Scan# 915

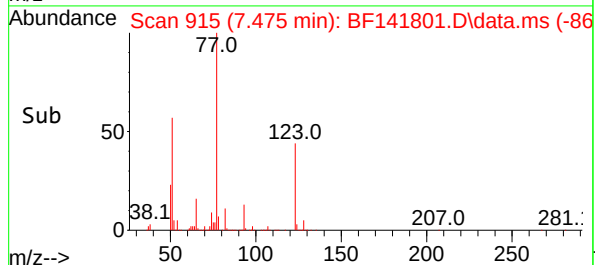
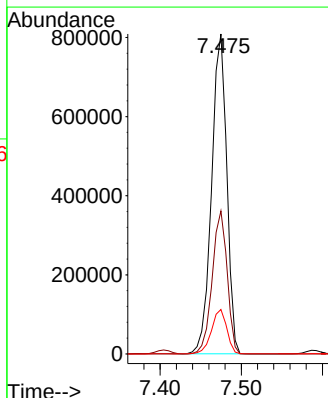
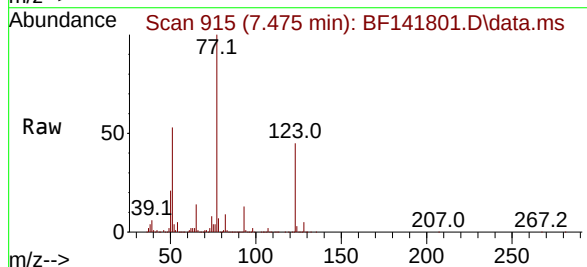
Delta R.T. -0.000 min

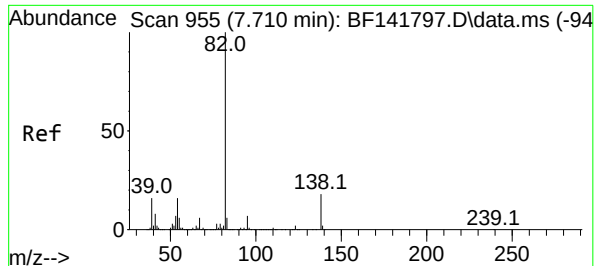
Lab File: BF141801.D

Acq: 27 Feb 2025 19:45

Tgt Ion: 77 Resp: 1047974

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 77  | 100   |       |       |
| 123 | 44.7  | 35.8  | 53.8  |
| 65  | 13.9  | 11.2  | 16.8  |

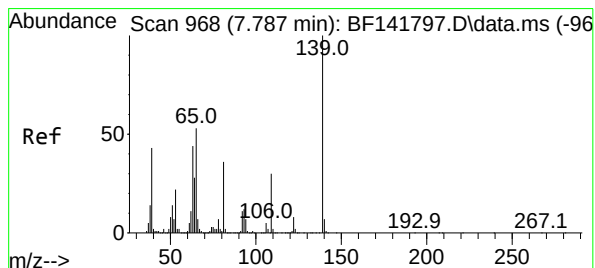
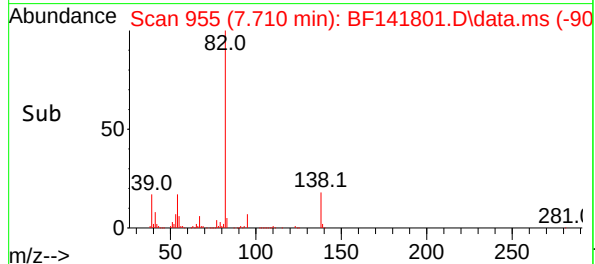
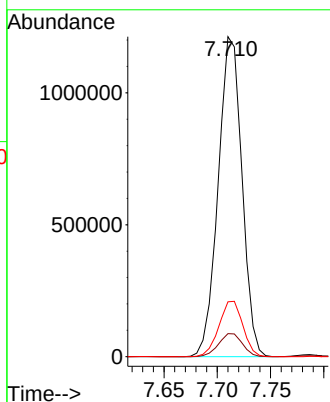
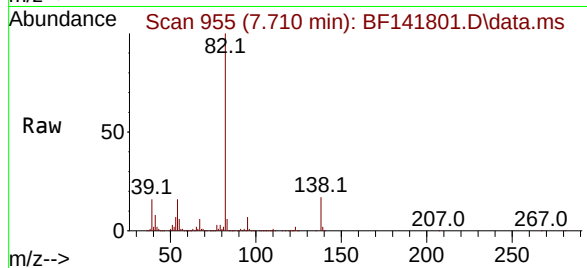




#25  
Isophorone  
Concen: 40.944 ng  
RT: 7.710 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: BF141801.D  
Acq: 27 Feb 2025 19:45

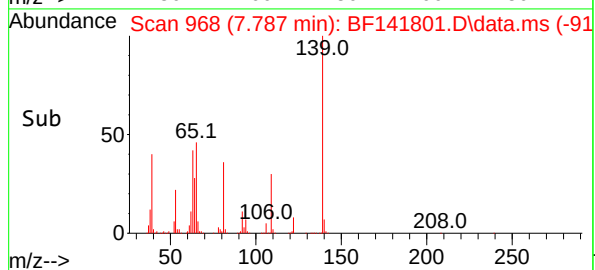
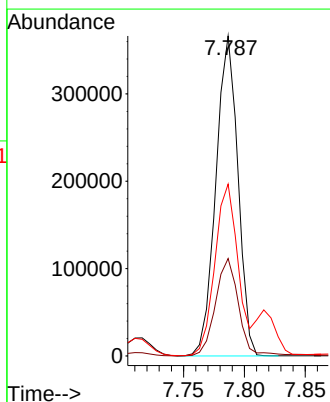
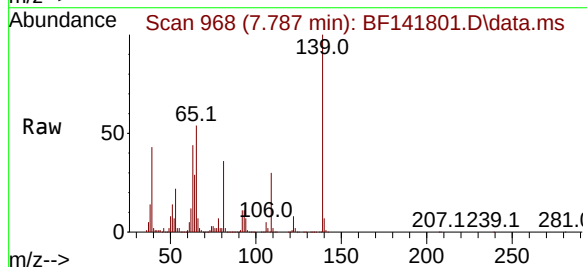
Instrument :  
BNA\_F  
ClientSampleId :  
ICVBF022725

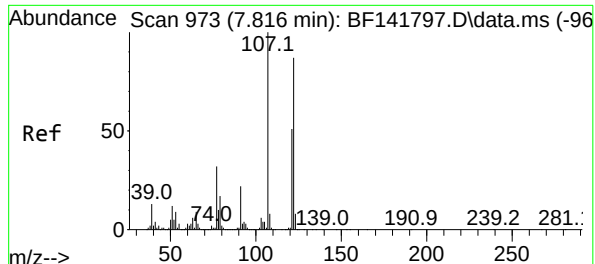
Tgt Ion: 82 Resp: 1881562  
Ion Ratio Lower Upper  
82 100  
95 7.2 5.8 8.8  
138 17.2 14.0 21.0



#26  
2-Nitrophenol  
Concen: 45.447 ng  
RT: 7.787 min Scan# 968  
Delta R.T. -0.000 min  
Lab File: BF141801.D  
Acq: 27 Feb 2025 19:45

Tgt Ion:139 Resp: 462297  
Ion Ratio Lower Upper  
139 100  
109 30.5 24.1 36.1  
65 53.7 42.3 63.5





#27

2,4-Dimethylphenol

Concen: 41.931 ng

RT: 7.816 min Scan# 91

Delta R.T. -0.000 min

Lab File: BF141801.D

Acq: 27 Feb 2025 19:45

Instrument :

BNA\_F

ClientSampleId :

ICVBF022725

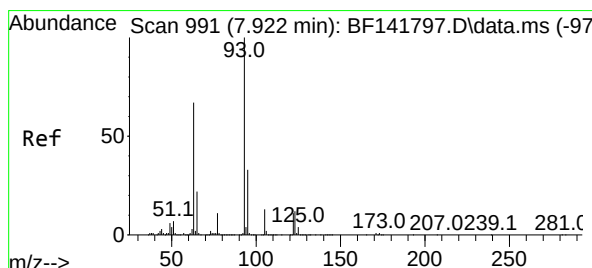
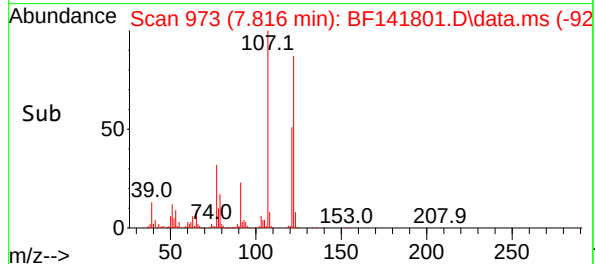
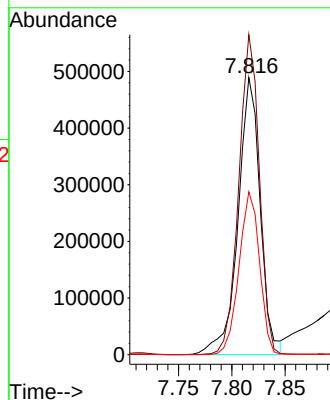
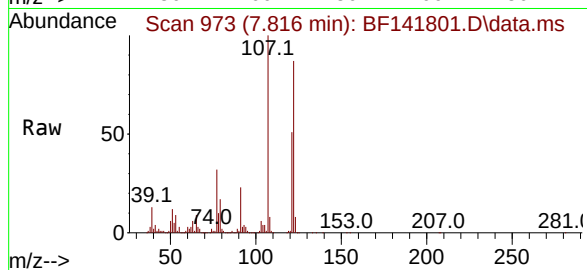
Tgt Ion:122 Resp: 708317

Ion Ratio Lower Upper

122 100

107 115.5 92.5 138.7

121 58.8 47.1 70.7



#28

bis(2-Chloroethoxy)methane

Concen: 40.357 ng

RT: 7.922 min Scan# 991

Delta R.T. -0.000 min

Lab File: BF141801.D

Acq: 27 Feb 2025 19:45

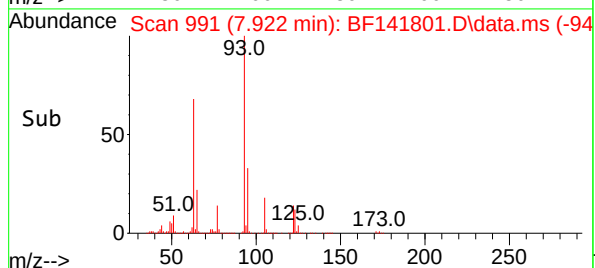
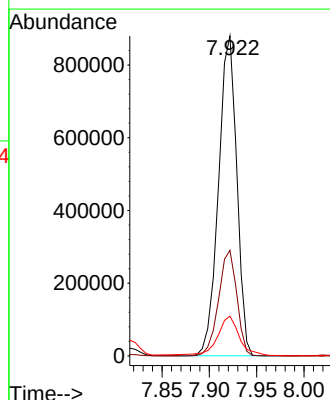
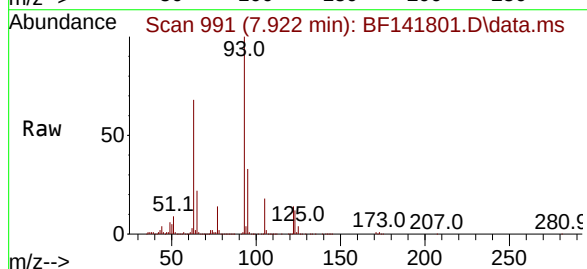
Tgt Ion: 93 Resp: 1183035

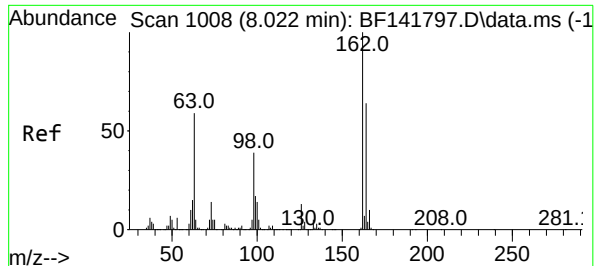
Ion Ratio Lower Upper

93 100

95 33.0 26.5 39.7

123 12.4 10.0 15.0





#29

2,4-Dichlorophenol

Concen: 42.157 ng

RT: 8.022 min Scan# 1008

Delta R.T. -0.000 min

Lab File: BF141801.D

Acq: 27 Feb 2025 19:45

Instrument :

BNA\_F

ClientSampleId :

ICVBF022725

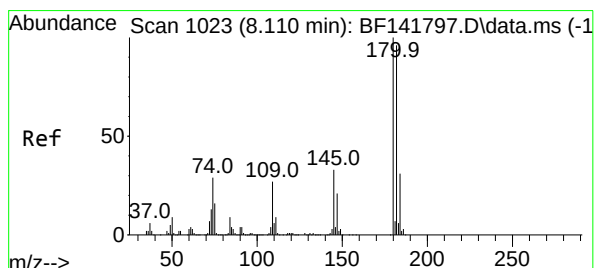
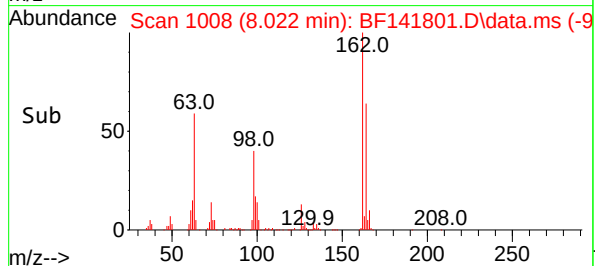
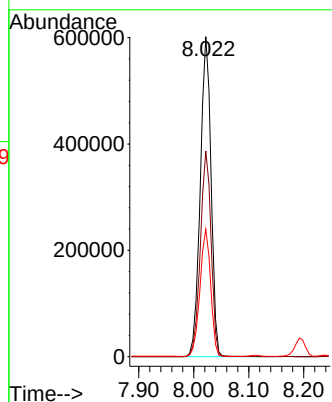
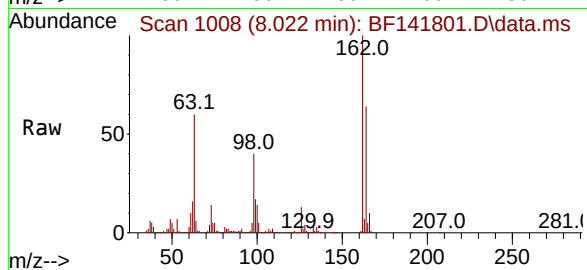
Tgt Ion:162 Resp: 821536

Ion Ratio Lower Upper

162 100

164 64.3 44.3 84.3

98 39.8 19.6 59.6



#30

1,2,4-Trichlorobenzene

Concen: 40.757 ng

RT: 8.110 min Scan# 1023

Delta R.T. -0.000 min

Lab File: BF141801.D

Acq: 27 Feb 2025 19:45

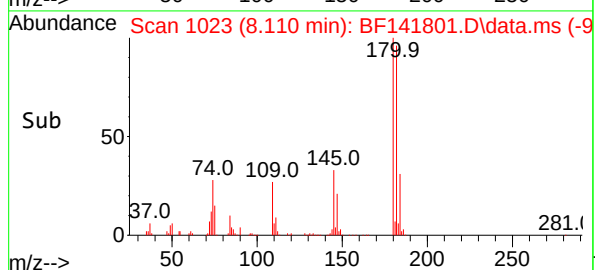
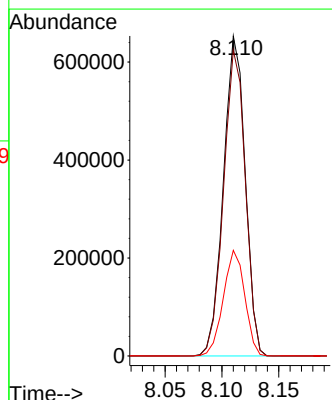
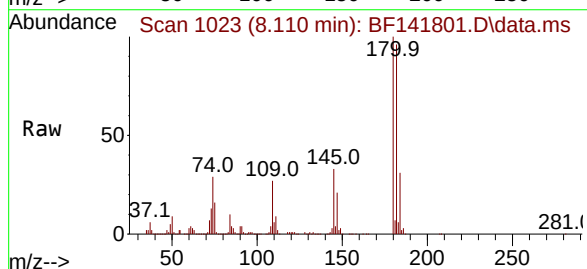
Tgt Ion:180 Resp: 870339

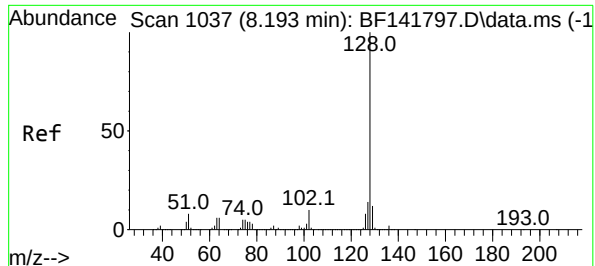
Ion Ratio Lower Upper

180 100

182 95.6 76.8 115.2

145 33.0 26.4 39.6





#31

Naphthalene

Concen: 39.854 ng

RT: 8.192 min Scan# 1037

Delta R.T. -0.000 min

Lab File: BF141801.D

Acq: 27 Feb 2025 19:45

Instrument :

BNA\_F

ClientSampleId :

ICVBF022725

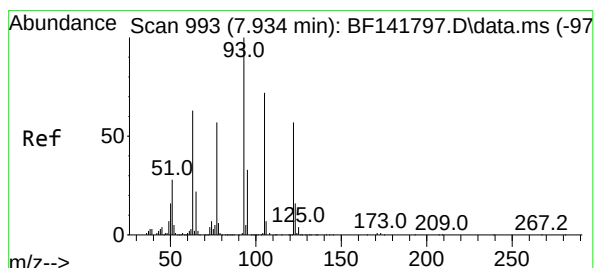
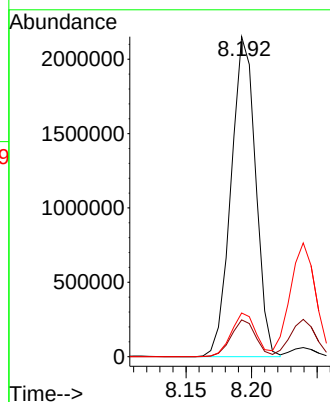
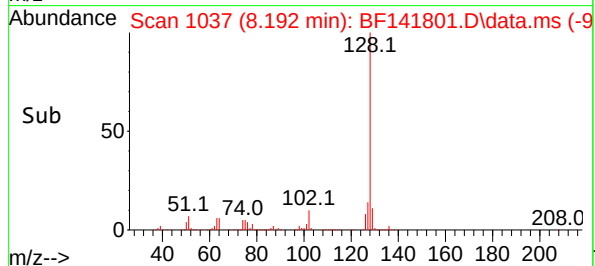
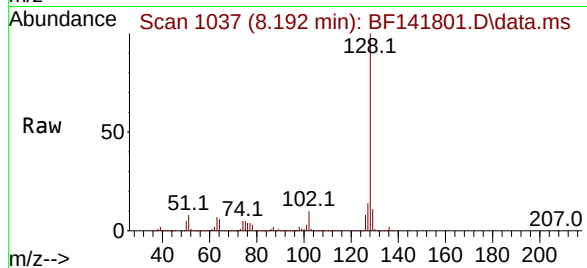
Tgt Ion:128 Resp: 2800645

Ion Ratio Lower Upper

128 100

129 11.5 9.2 13.8

127 13.7 11.0 16.4



#32

Benzoic acid

Concen: 45.545 ng

RT: 7.939 min Scan# 994

Delta R.T. 0.005 min

Lab File: BF141801.D

Acq: 27 Feb 2025 19:45

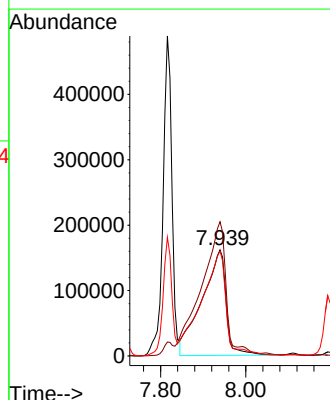
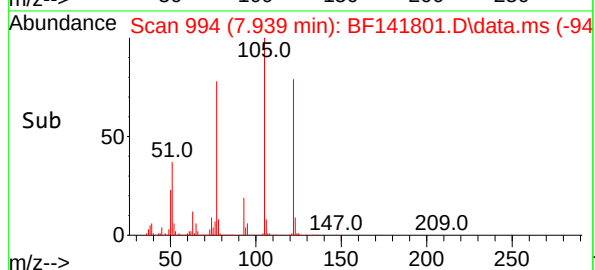
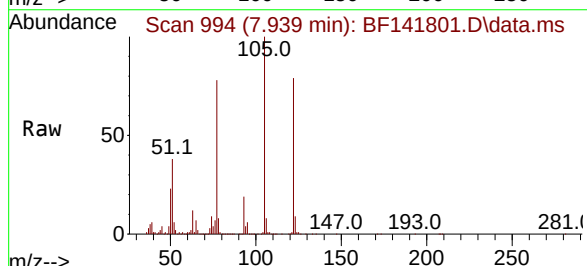
Tgt Ion:122 Resp: 635541

Ion Ratio Lower Upper

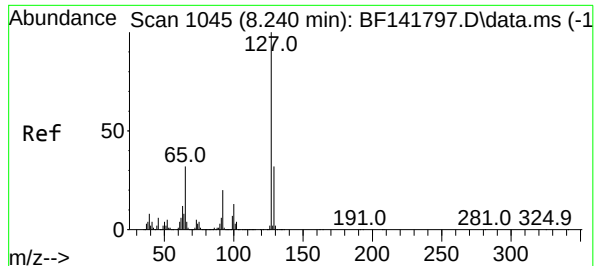
122 100

105 126.6 105.8 145.8

77 98.8 79.9 119.9







#33

4-Chloroaniline

Concen: 40.096 ng

RT: 8.239 min Scan# 1045

Delta R.T. -0.000 min

Lab File: BF141801.D

Acq: 27 Feb 2025 19:45

Instrument :

BNA\_F

ClientSampleId :

ICVBF022725

Tgt Ion:127 Resp: 1033113

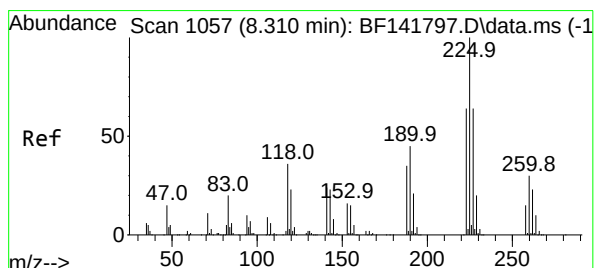
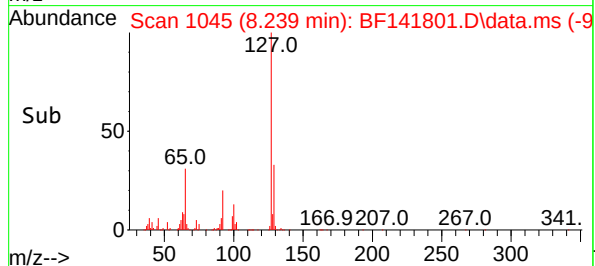
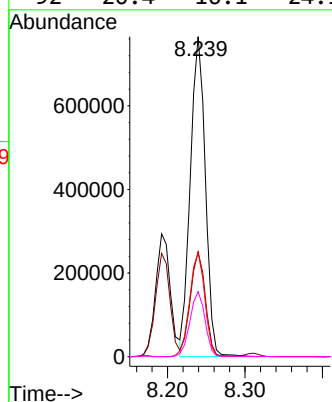
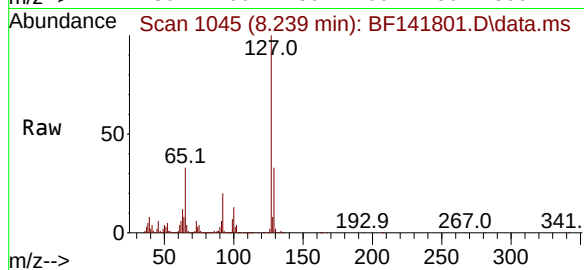
Ion Ratio Lower Upper

127 100

129 32.7 26.1 39.1

65 32.6 25.7 38.5

92 20.4 16.1 24.1



#34

Hexachlorobutadiene

Concen: 41.042 ng

RT: 8.310 min Scan# 1057

Delta R.T. -0.000 min

Lab File: BF141801.D

Acq: 27 Feb 2025 19:45

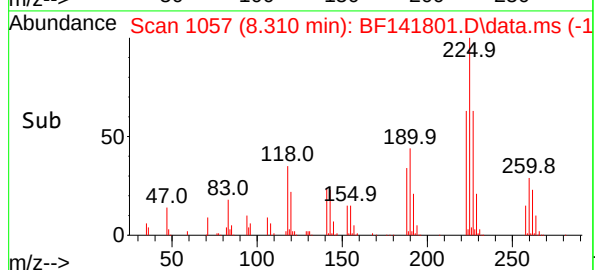
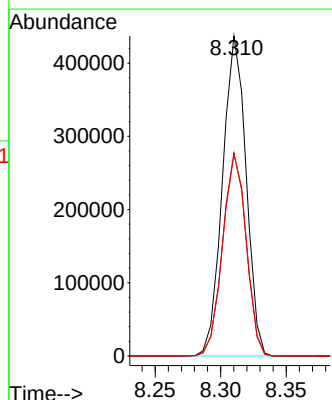
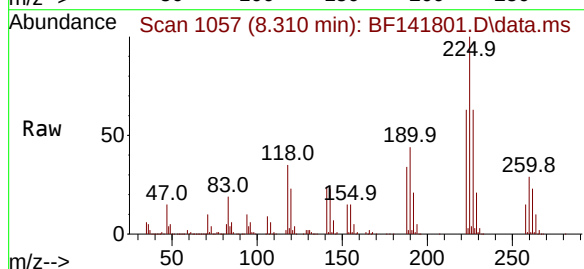
Tgt Ion:225 Resp: 544620

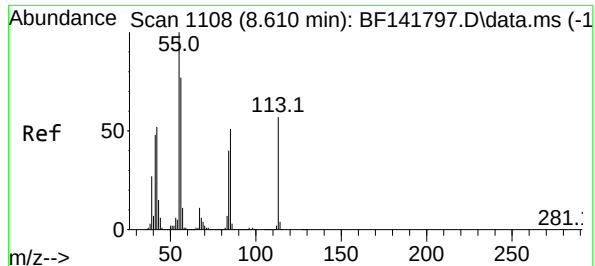
Ion Ratio Lower Upper

225 100

223 63.4 51.4 77.2

227 63.0 51.6 77.4

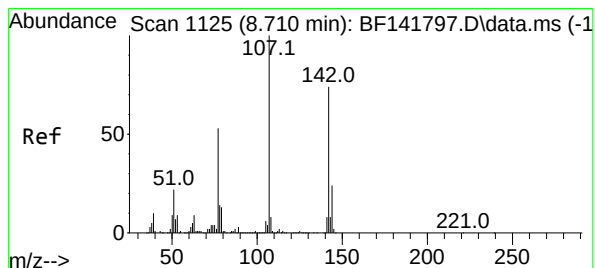
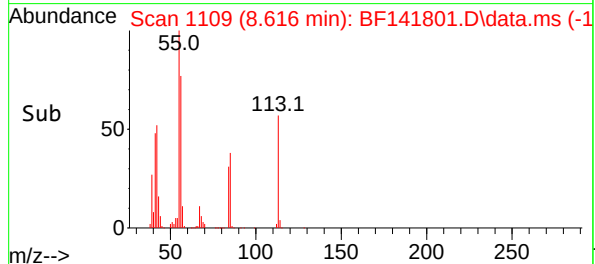
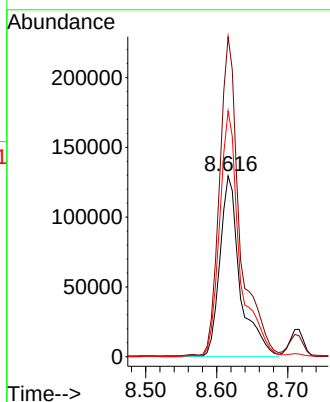
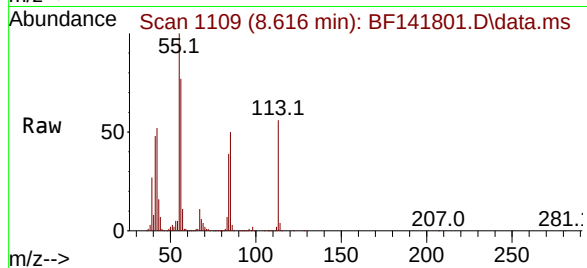




#35  
Caprolactam  
Concen: 42.737 ng  
RT: 8.616 min Scan# 1109  
Delta R.T. 0.006 min  
Lab File: BF141801.D  
Acq: 27 Feb 2025 19:45

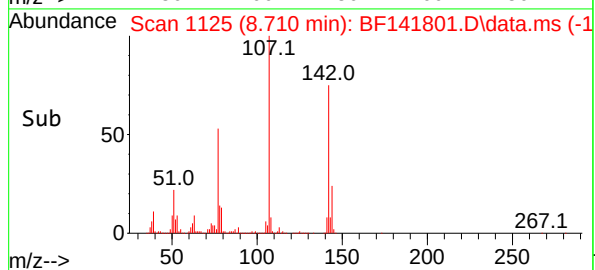
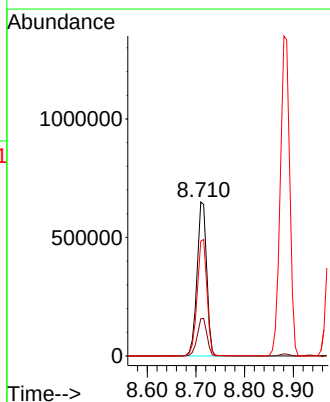
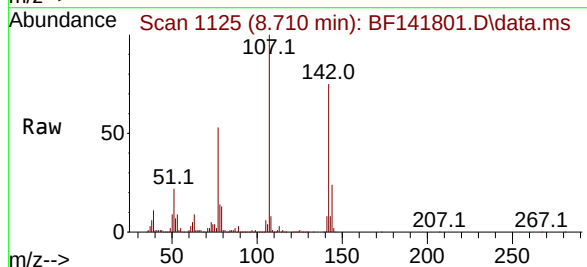
Instrument :  
BNA\_F  
ClientSampleId :  
ICVBF022725

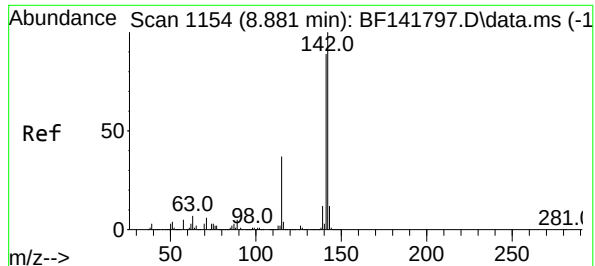
Tgt Ion:113 Resp: 256209  
Ion Ratio Lower Upper  
113 100  
55 177.0 155.6 195.6  
56 135.9 114.6 154.6



#36  
4-Chloro-3-methylphenol  
Concen: 41.844 ng  
RT: 8.710 min Scan# 1125  
Delta R.T. -0.000 min  
Lab File: BF141801.D  
Acq: 27 Feb 2025 19:45

Tgt Ion:107 Resp: 905842  
Ion Ratio Lower Upper  
107 100  
144 24.1 19.4 29.0  
142 74.6 59.4 89.0

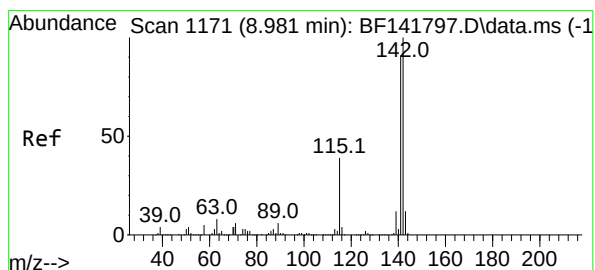
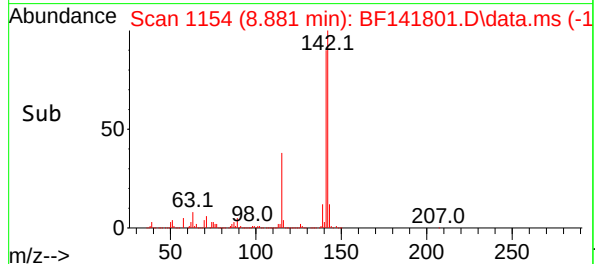
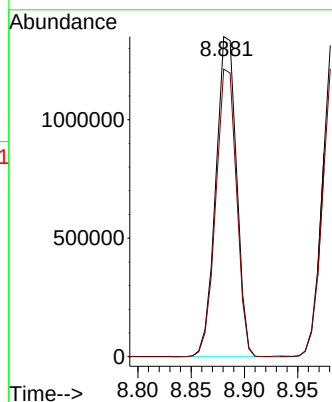
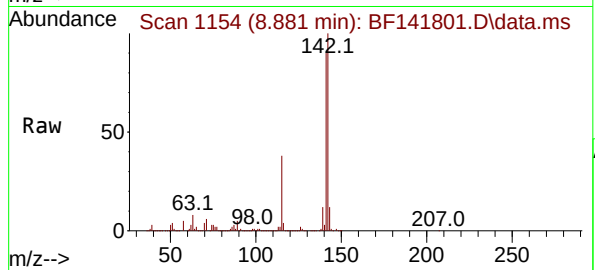




#37  
2-Methylnaphthalene  
Concen: 39.710 ng  
RT: 8.881 min Scan# 1154  
Delta R.T. -0.000 min  
Lab File: BF141801.D  
Acq: 27 Feb 2025 19:45

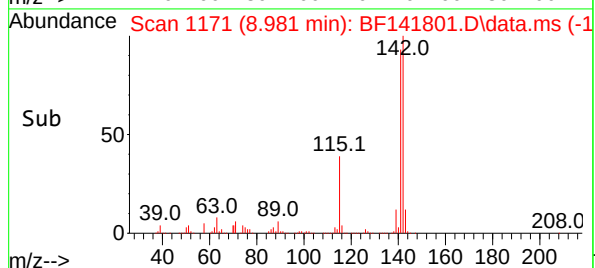
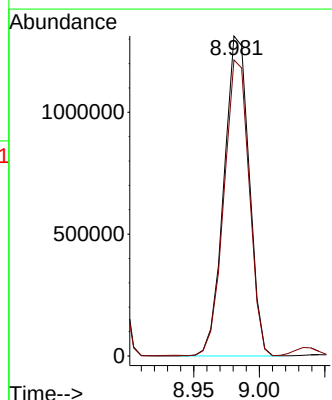
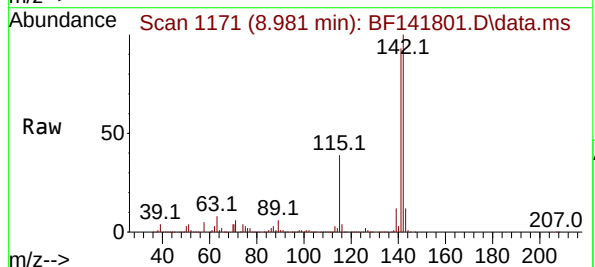
Instrument :  
BNA\_F  
ClientSampleId :  
ICVBF022725

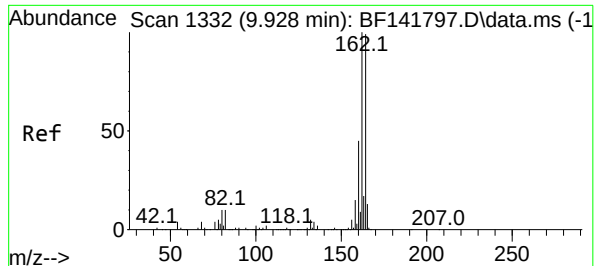
Tgt Ion:142 Resp: 1830313  
Ion Ratio Lower Upper  
142 100  
141 89.9 71.1 106.7



#38  
1-Methylnaphthalene  
Concen: 39.635 ng  
RT: 8.981 min Scan# 1171  
Delta R.T. -0.000 min  
Lab File: BF141801.D  
Acq: 27 Feb 2025 19:45

Tgt Ion:142 Resp: 1752937  
Ion Ratio Lower Upper  
142 100  
141 92.5 73.1 109.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.928 min Scan# 1182

Delta R.T. -0.000 min

Lab File: BF141801.D

Acq: 27 Feb 2025 19:45

Instrument :

BNA\_F

ClientSampleId :

ICVBF022725

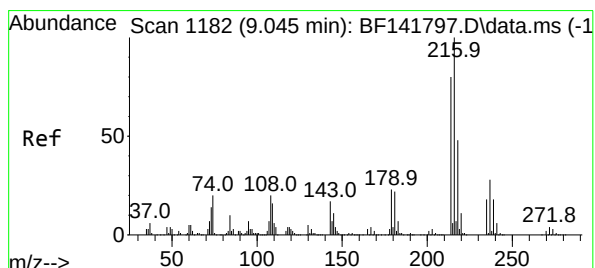
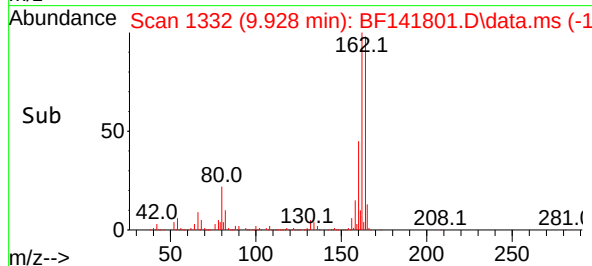
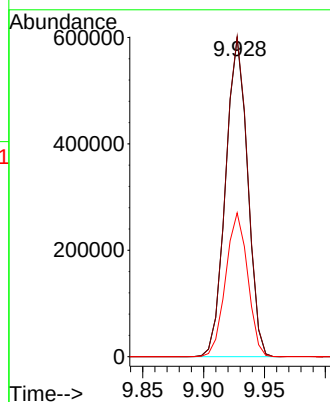
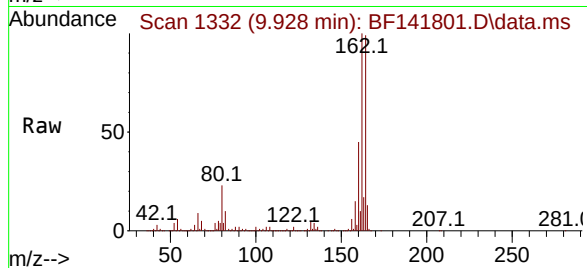
Tgt Ion:164 Resp: 753741

Ion Ratio Lower Upper

164 100

162 100.6 80.6 120.8

160 45.2 36.3 54.5



#40

1,2,4,5-Tetrachlorobenzene

Concen: 40.086 ng

RT: 9.045 min Scan# 1182

Delta R.T. -0.000 min

Lab File: BF141801.D

Acq: 27 Feb 2025 19:45

Tgt Ion:216 Resp: 872629

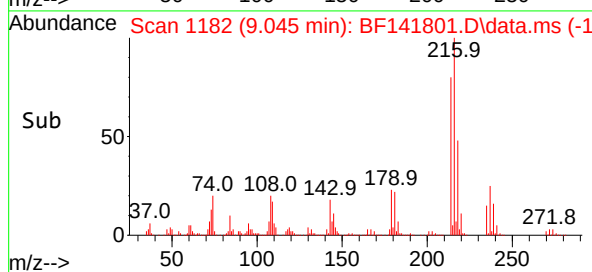
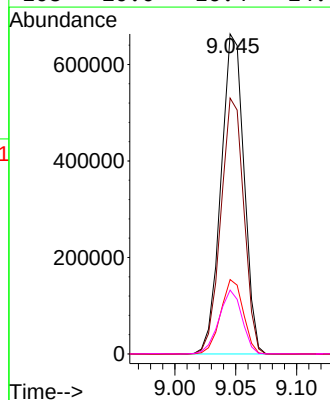
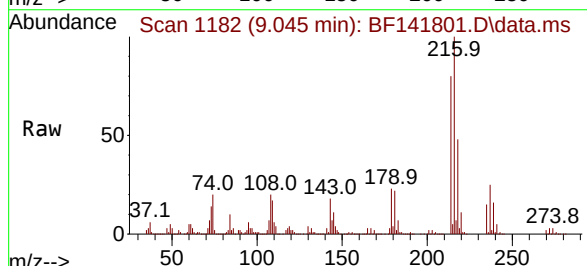
Ion Ratio Lower Upper

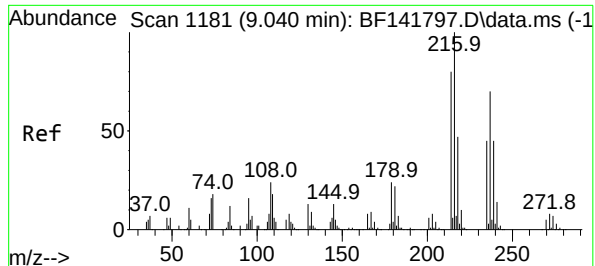
216 100

214 79.7 63.5 95.3

179 22.8 18.1 27.1

108 20.0 16.4 24.6

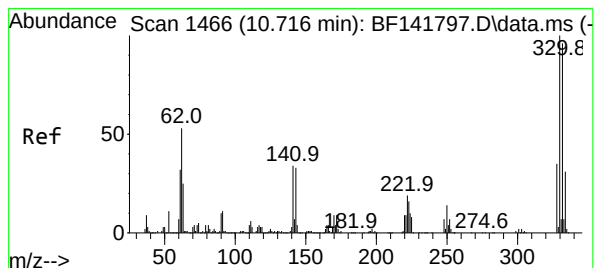
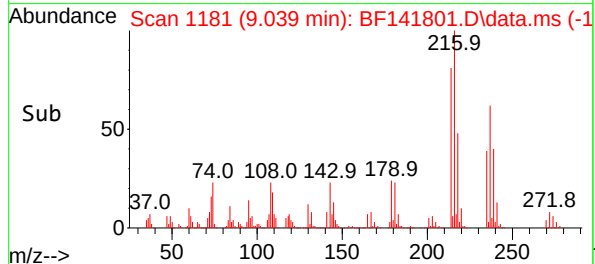
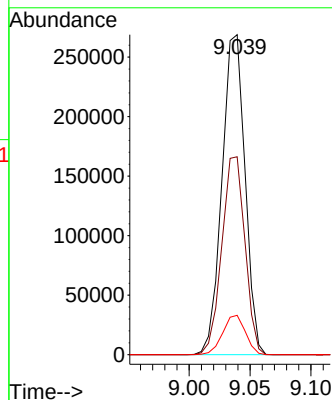
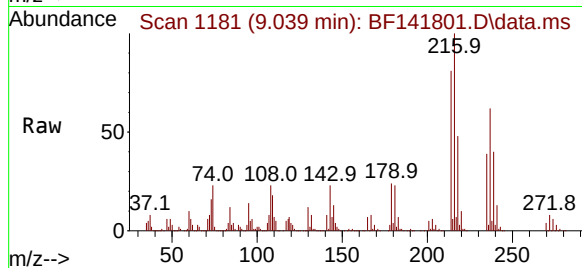




#41  
Hexachlorocyclopentadiene  
Concen: 38.975 ng  
RT: 9.039 min Scan# 1181  
Delta R.T. -0.000 min  
Lab File: BF141801.D  
Acq: 27 Feb 2025 19:45

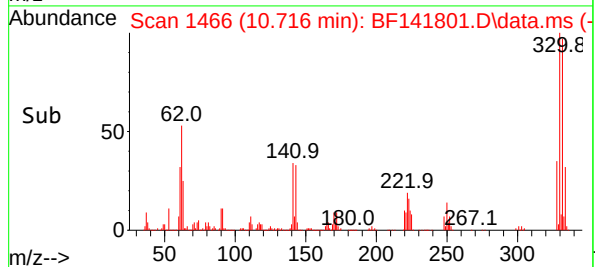
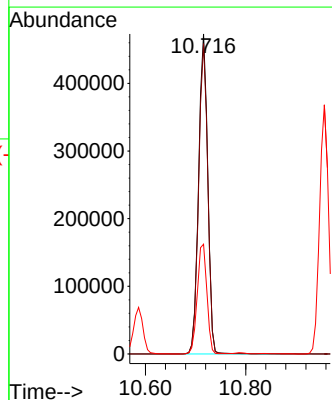
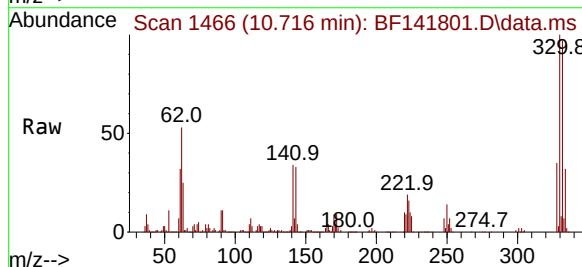
Instrument :  
BNA\_F  
ClientSampleId :  
ICVBF022725

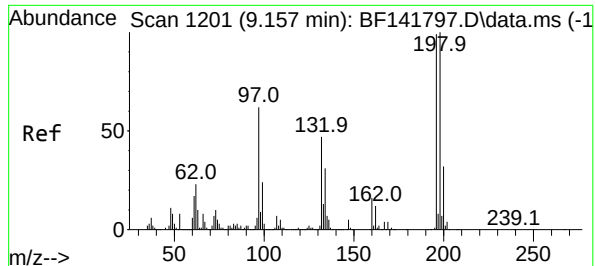
Tgt Ion:237 Resp: 354082  
Ion Ratio Lower Upper  
237 100  
235 61.8 43.3 83.3  
272 12.3 0.0 31.9



#42  
2,4,6-Tribromophenol  
Concen: 84.321 ng  
RT: 10.716 min Scan# 1466  
Delta R.T. -0.000 min  
Lab File: BF141801.D  
Acq: 27 Feb 2025 19:45

Tgt Ion:330 Resp: 596677  
Ion Ratio Lower Upper  
330 100  
332 96.9 76.6 115.0  
141 36.1 29.0 43.4





#43

2,4,6-Trichlorophenol

Concen: 42.156 ng

RT: 9.157 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF141801.D

Acq: 27 Feb 2025 19:45

Instrument :

BNA\_F

ClientSampleId :

ICVBF022725

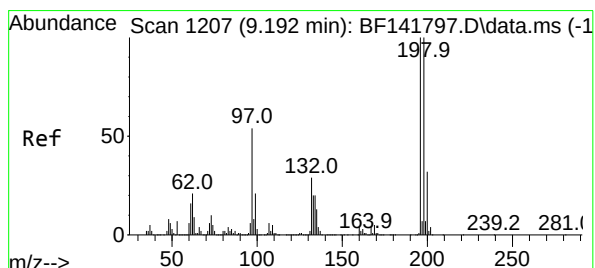
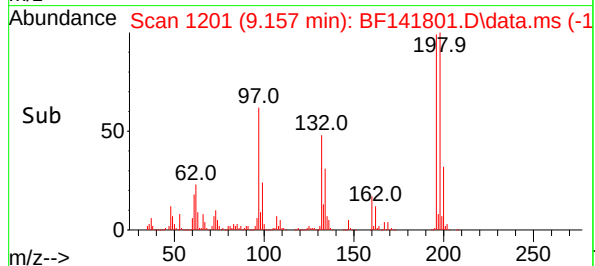
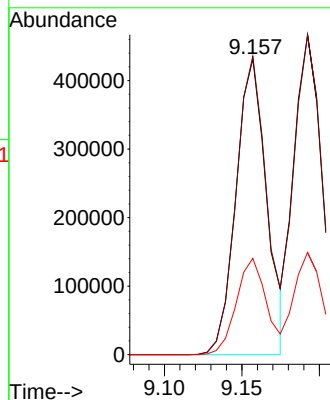
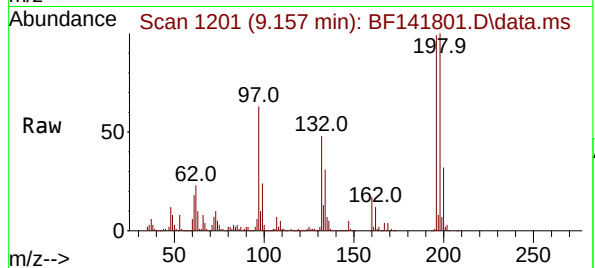
Tgt Ion:196 Resp: 592786

Ion Ratio Lower Upper

196 100

198 101.0 80.4 120.6

200 32.6 25.7 38.5



#44

2,4,5-Trichlorophenol

Concen: 41.806 ng

RT: 9.192 min Scan# 1207

Delta R.T. -0.000 min

Lab File: BF141801.D

Acq: 27 Feb 2025 19:45

Tgt Ion:196 Resp: 582125

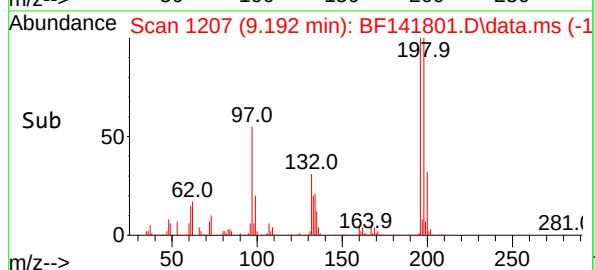
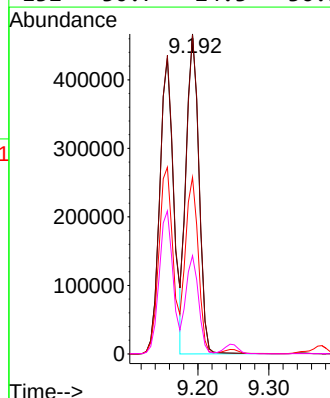
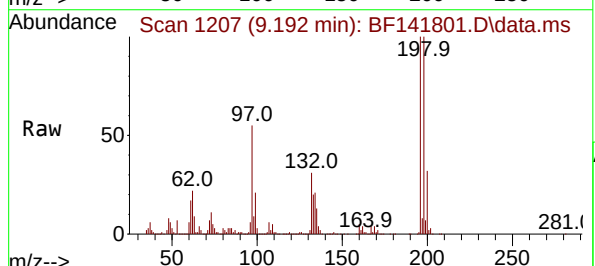
Ion Ratio Lower Upper

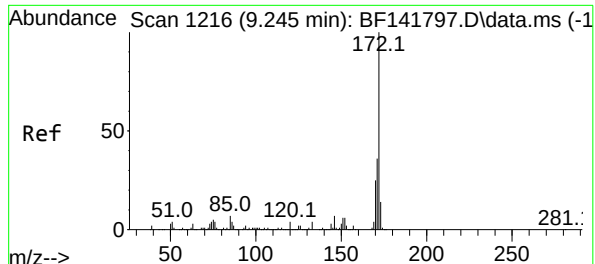
196 100

198 99.8 79.7 119.5

97 55.2 44.2 66.2

132 30.7 24.3 36.5





#45

2-Fluorobiphenyl

Concen: 75.957 ng

RT: 9.245 min Scan# 1216

Delta R.T. -0.000 min

Lab File: BF141801.D

Acq: 27 Feb 2025 19:45

Instrument :

BNA\_F

ClientSampleId :

ICVBF022725

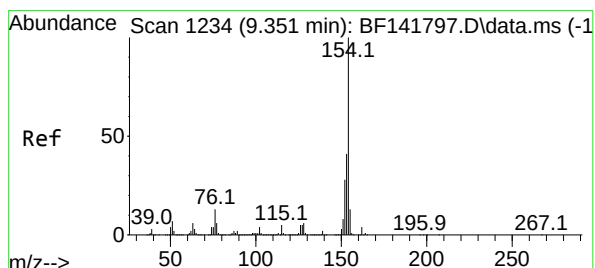
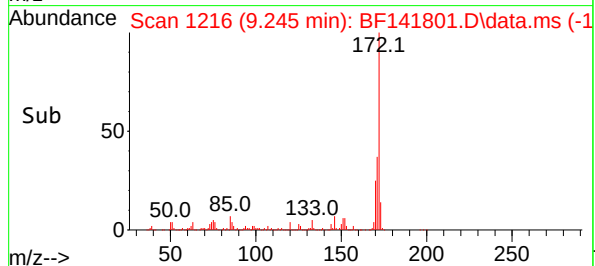
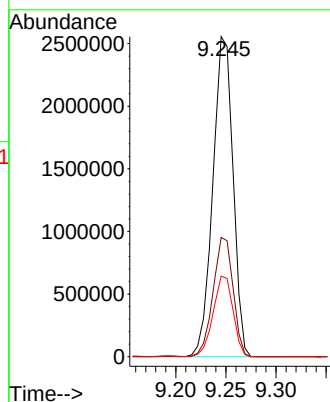
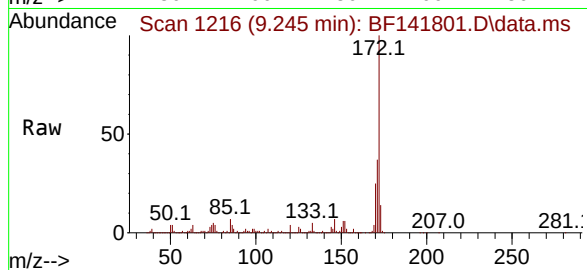
Tgt Ion:172 Resp: 3570541

Ion Ratio Lower Upper

172 100

171 37.2 29.2 43.8

170 25.1 19.7 29.5



#46

1,1'-Biphenyl

Concen: 38.864 ng

RT: 9.351 min Scan# 1234

Delta R.T. -0.000 min

Lab File: BF141801.D

Acq: 27 Feb 2025 19:45

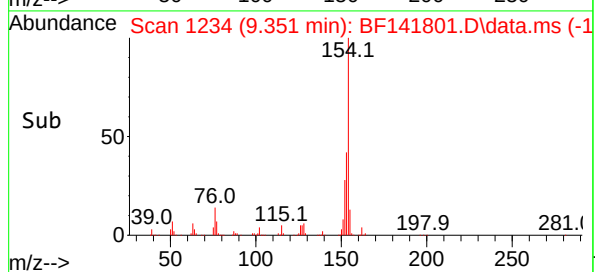
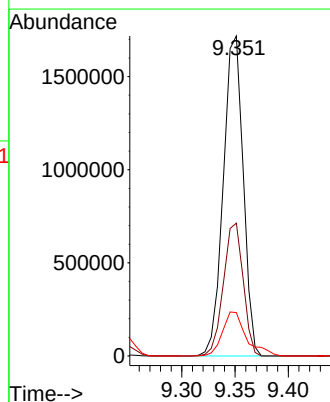
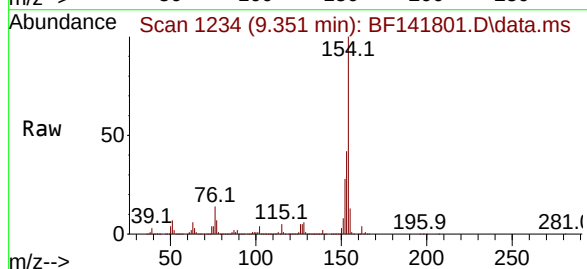
Tgt Ion:154 Resp: 2229687

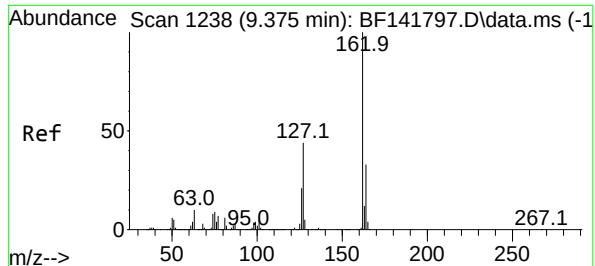
Ion Ratio Lower Upper

154 100

153 41.5 21.4 61.4

76 13.6 0.0 33.4

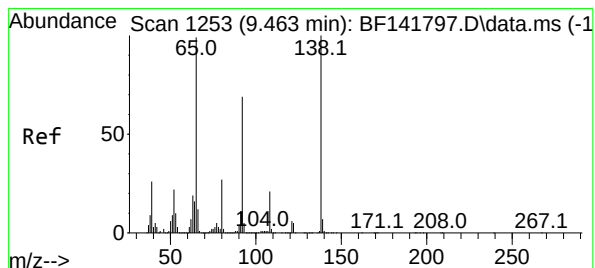
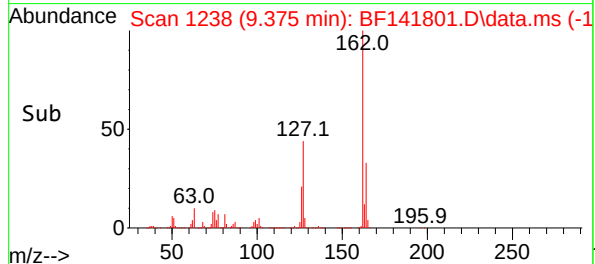
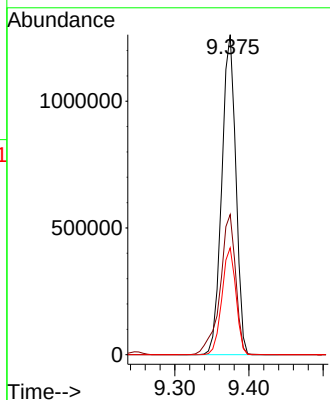
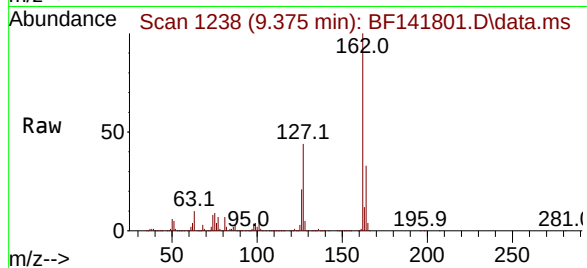




#47  
2-Chloronaphthalene  
Concen: 39.288 ng  
RT: 9.375 min Scan# 1238  
Delta R.T. -0.000 min  
Lab File: BF141801.D  
Acq: 27 Feb 2025 19:45

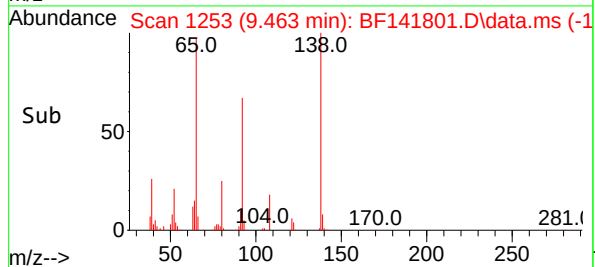
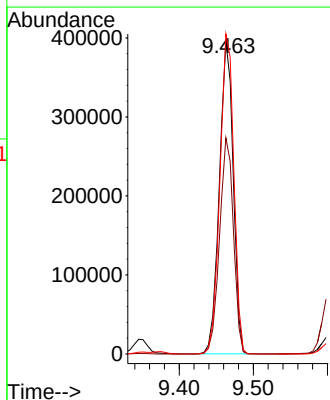
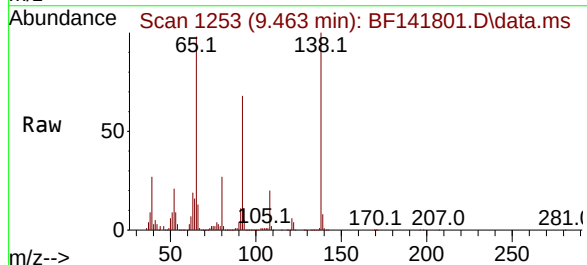
Instrument :  
BNA\_F  
ClientSampleId :  
ICVBF022725

Tgt Ion:162 Resp: 1663643  
Ion Ratio Lower Upper  
162 100  
127 43.8 35.0 52.6  
164 33.4 26.6 40.0

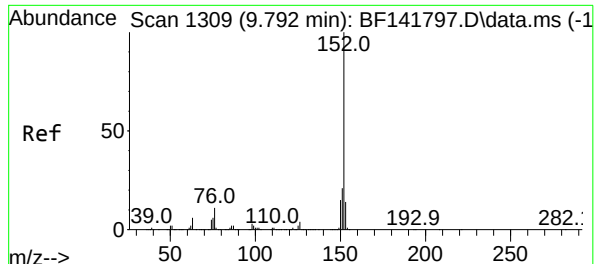


#48  
2-Nitroaniline  
Concen: 44.684 ng  
RT: 9.463 min Scan# 1253  
Delta R.T. -0.000 min  
Lab File: BF141801.D  
Acq: 27 Feb 2025 19:45

Tgt Ion: 65 Resp: 514104  
Ion Ratio Lower Upper  
65 100  
92 69.1 55.7 83.5  
138 102.2 80.6 121.0







#49

Acenaphthylene

Concen: 39.907 ng

RT: 9.792 min Scan# 1309

Delta R.T. -0.000 min

Lab File: BF141801.D

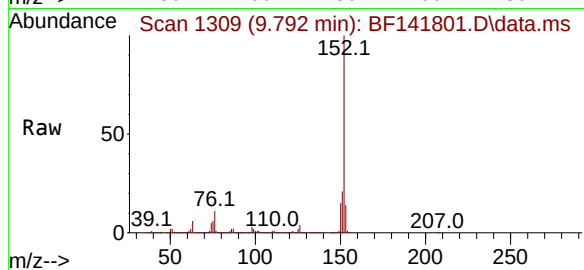
Acq: 27 Feb 2025 19:45

Instrument :

BNA\_F

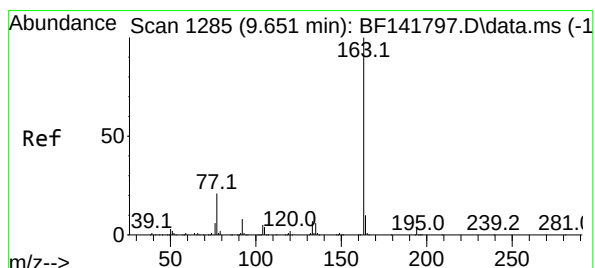
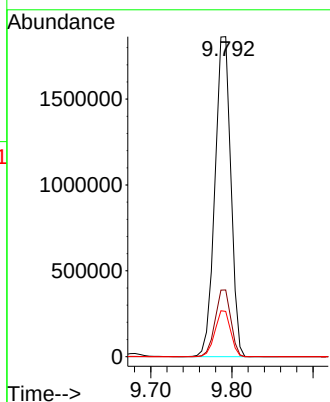
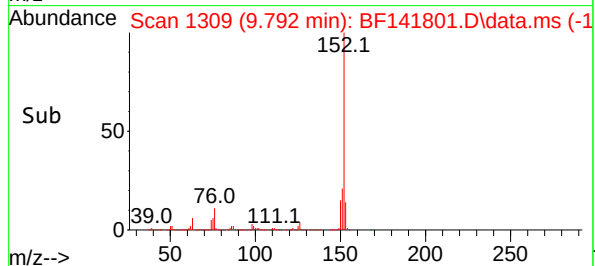
ClientSampleId :

ICVBF022725



Tgt Ion:152 Resp: 2533613

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 152 | 100   |       |       |
| 151 | 20.8  | 16.6  | 24.8  |
| 153 | 14.1  | 11.2  | 16.8  |



#50

Dimethylphthalate

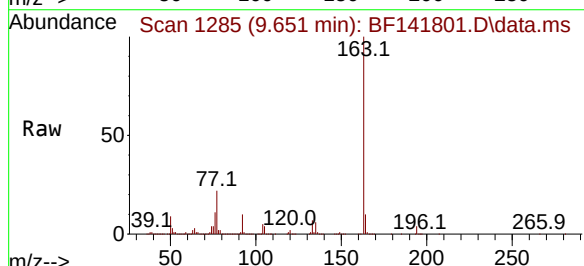
Concen: 40.250 ng

RT: 9.651 min Scan# 1285

Delta R.T. -0.000 min

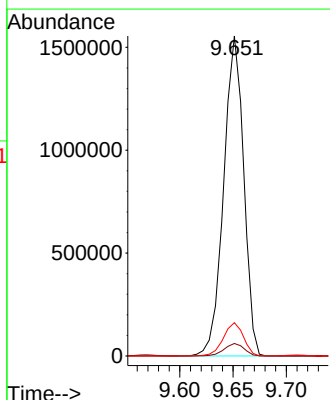
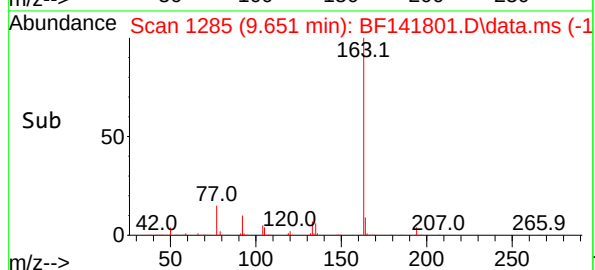
Lab File: BF141801.D

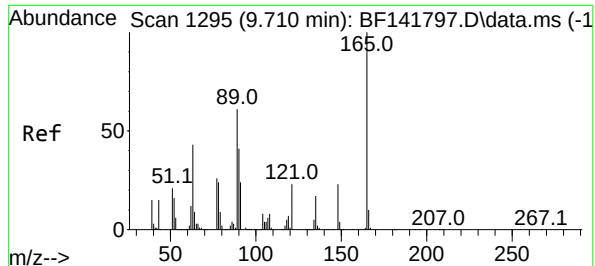
Acq: 27 Feb 2025 19:45



Tgt Ion:163 Resp: 2031698

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 163 | 100   |       |       |
| 194 | 3.9   | 3.1   | 4.7   |
| 164 | 10.4  | 8.4   | 12.6  |





#51

2,6-Dinitrotoluene

Concen: 44.292 ng

RT: 9.710 min Scan# 1295

Delta R.T. -0.000 min

Lab File: BF141801.D

Acq: 27 Feb 2025 19:45

Instrument :

BNA\_F

ClientSampleId :

ICVBF022725

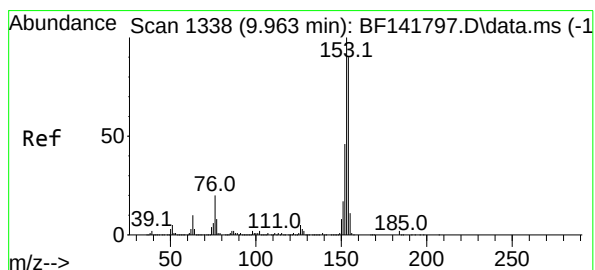
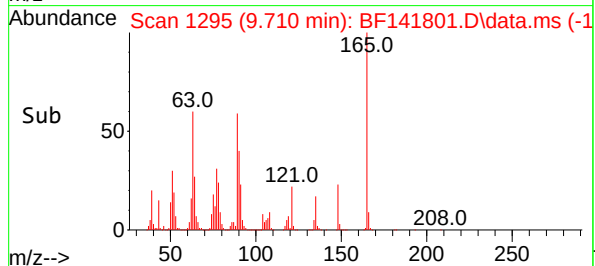
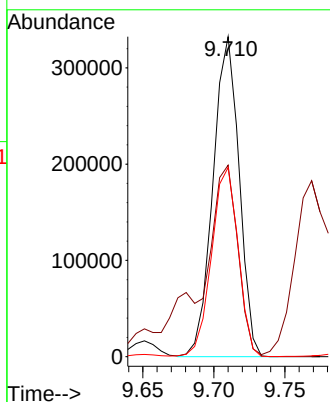
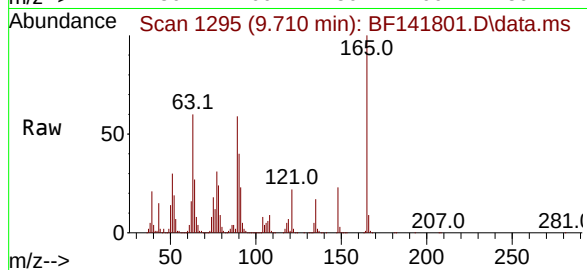
Tgt Ion:165 Resp: 425445

Ion Ratio Lower Upper

165 100

63 59.8 49.5 74.3

89 59.1 49.0 73.4



#52

Acenaphthene

Concen: 40.488 ng

RT: 9.963 min Scan# 1338

Delta R.T. -0.000 min

Lab File: BF141801.D

Acq: 27 Feb 2025 19:45

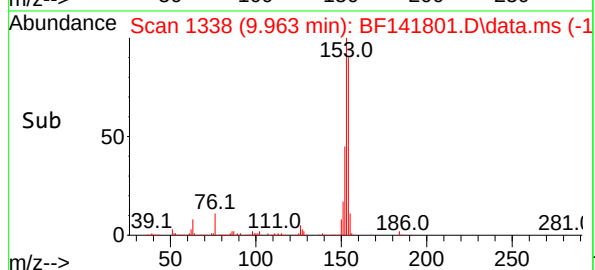
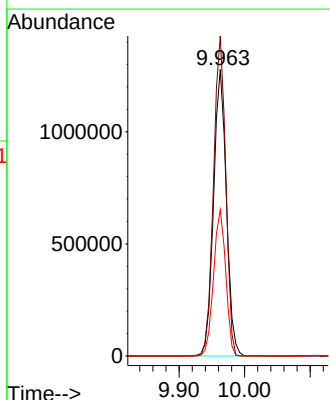
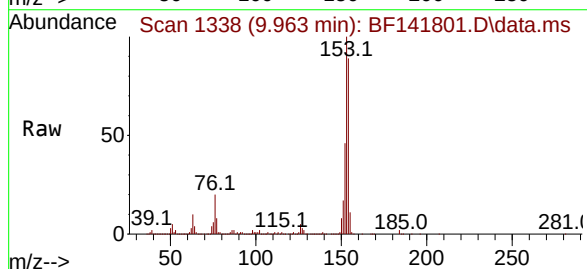
Tgt Ion:154 Resp: 1734464

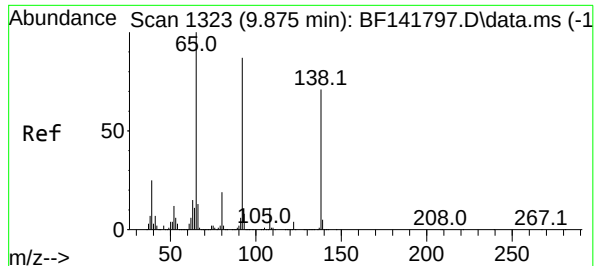
Ion Ratio Lower Upper

154 100

153 111.7 88.7 133.1

152 51.0 40.9 61.3

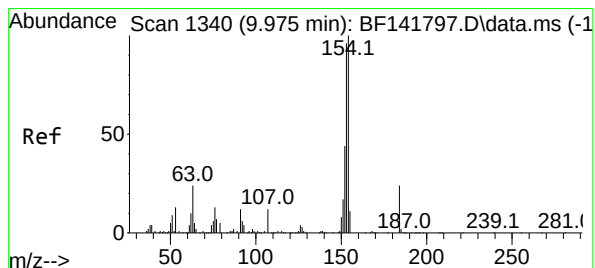
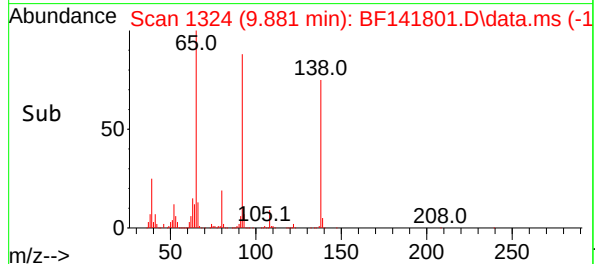
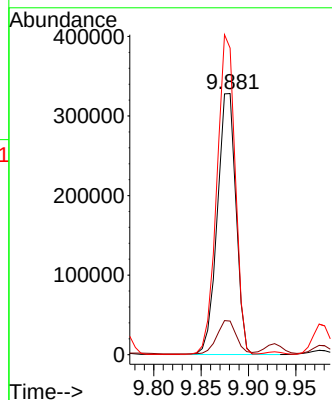
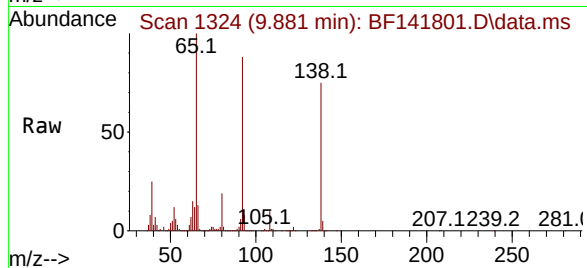




#53  
3-Nitroaniline  
Concen: 43.938 ng  
RT: 9.881 min Scan# 1324  
Delta R.T. 0.006 min  
Lab File: BF141801.D  
Acq: 27 Feb 2025 19:45

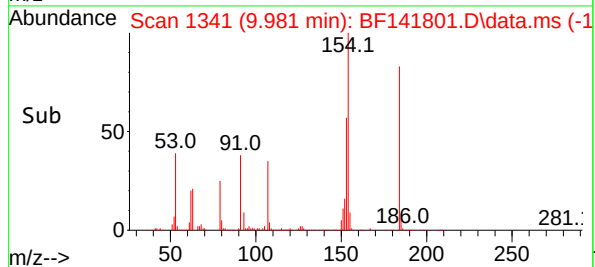
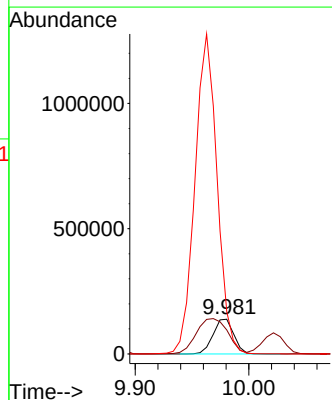
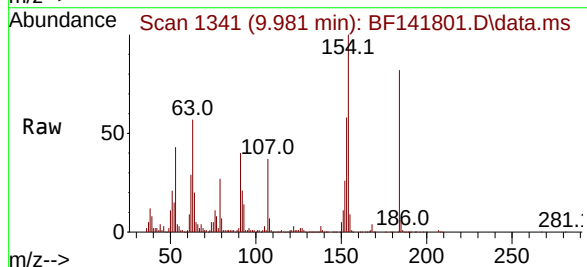
Instrument :  
BNA\_F  
ClientSampleId :  
ICVBF022725

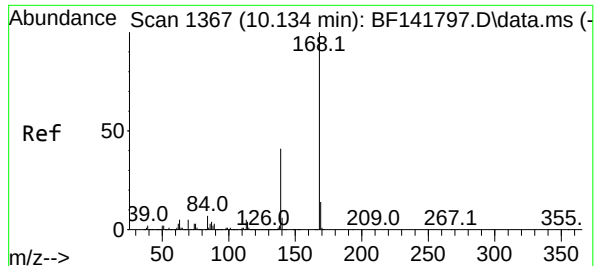
Tgt Ion:138 Resp: 449174  
Ion Ratio Lower Upper  
138 100  
108 12.9 12.7 19.1  
92 117.4 97.9 146.9



#54  
2,4-Dinitrophenol  
Concen: 47.494 ng  
RT: 9.981 min Scan# 1341  
Delta R.T. 0.006 min  
Lab File: BF141801.D  
Acq: 27 Feb 2025 19:45

Tgt Ion:184 Resp: 176378  
Ion Ratio Lower Upper  
184 100  
63 69.1 79.0 118.6#  
154 121.2 335.8 503.8#

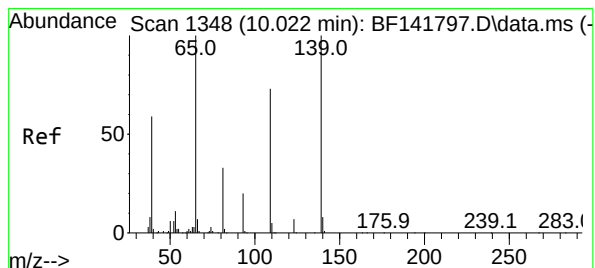
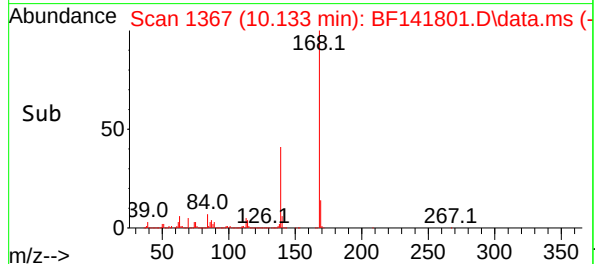
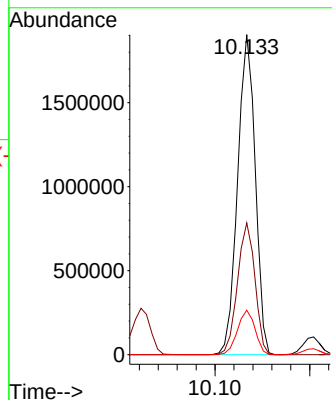
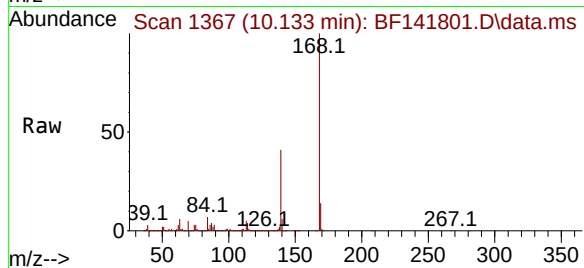




#55  
Dibenzenofuran  
Concen: 39.391 ng  
RT: 10.133 min Scan# 1367  
Delta R.T. -0.000 min  
Lab File: BF141801.D  
Acq: 27 Feb 2025 19:45

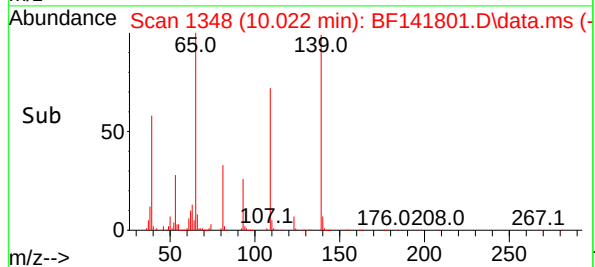
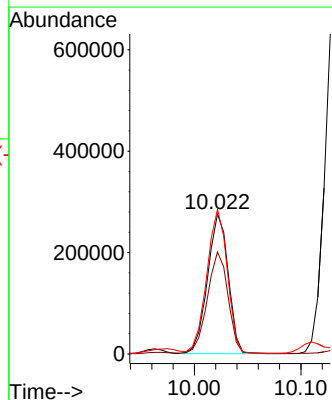
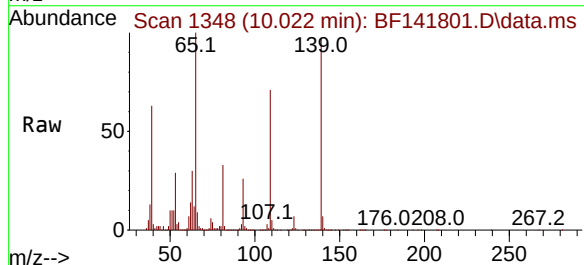
Instrument :  
BNA\_F  
ClientSampleId :  
ICVBF022725

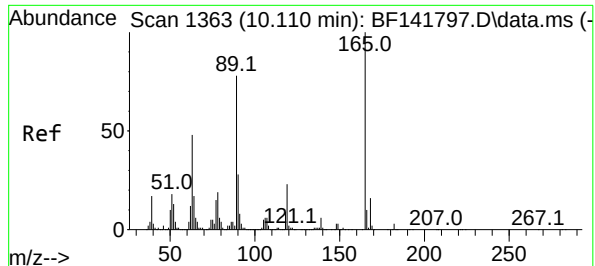
Tgt Ion:168 Resp: 2456099  
Ion Ratio Lower Upper  
168 100  
139 41.2 32.9 49.3  
169 13.9 11.1 16.7



#56  
4-Nitrophenol  
Concen: 49.725 ng  
RT: 10.022 min Scan# 1348  
Delta R.T. -0.000 min  
Lab File: BF141801.D  
Acq: 27 Feb 2025 19:45

Tgt Ion:139 Resp: 370704  
Ion Ratio Lower Upper  
139 100  
109 72.9 53.4 93.4  
65 103.3 82.1 122.1





#57

2,4-Dinitrotoluene

Concen: 45.704 ng

RT: 10.110 min Scan# 1363

Delta R.T. -0.000 min

Lab File: BF141801.D

Acq: 27 Feb 2025 19:45

Instrument :

BNA\_F

ClientSampleId :

ICVBF022725

Tgt Ion:165 Resp: 536914

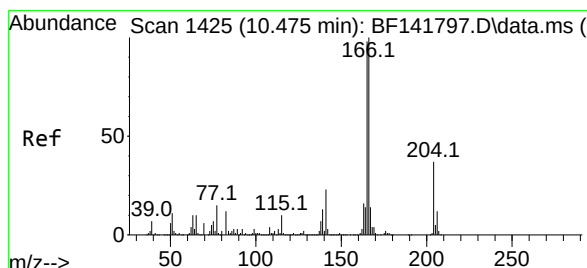
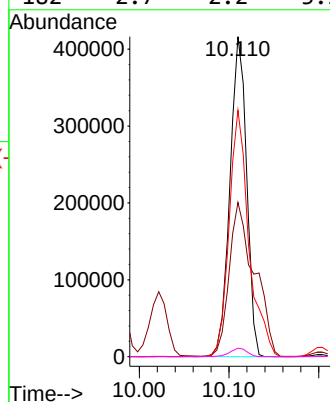
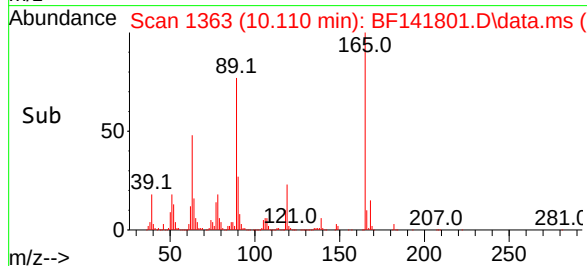
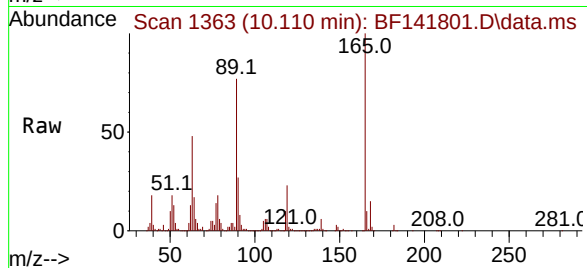
Ion Ratio Lower Upper

165 100

63 48.2 38.8 58.2

89 77.0 62.6 94.0

182 2.7 2.2 3.2



#58

Fluorene

Concen: 38.547 ng

RT: 10.475 min Scan# 1425

Delta R.T. -0.000 min

Lab File: BF141801.D

Acq: 27 Feb 2025 19:45

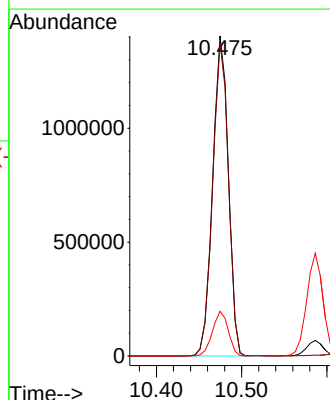
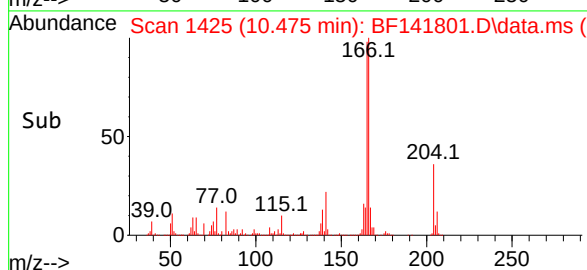
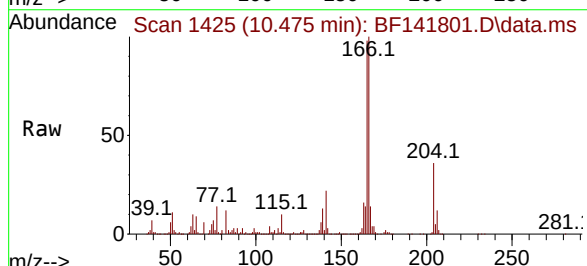
Tgt Ion:166 Resp: 1800318

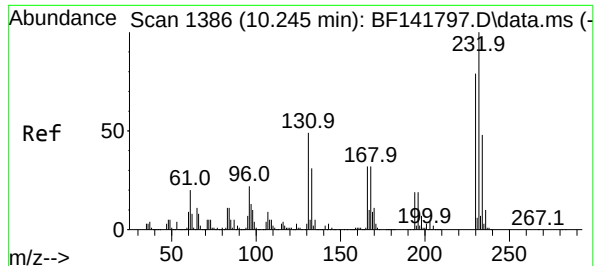
Ion Ratio Lower Upper

166 100

165 97.8 78.6 117.8

167 14.0 11.0 16.4

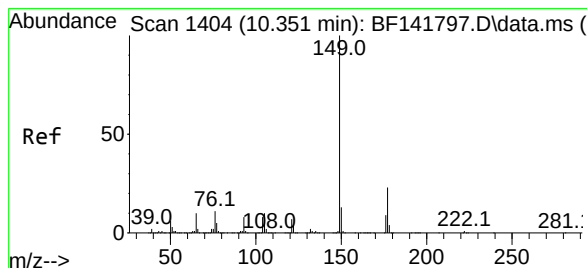
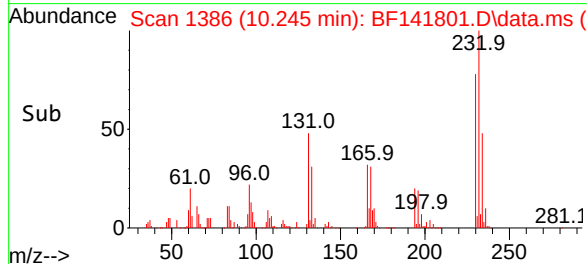
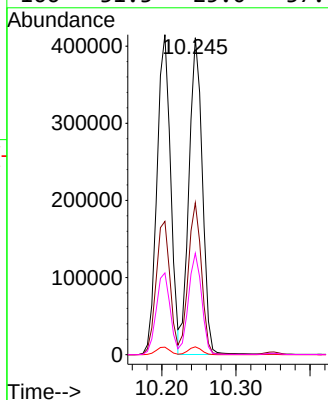
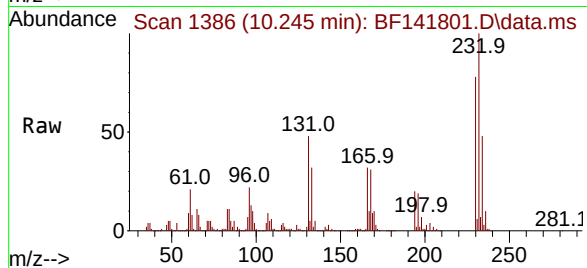




#59  
2,3,4,6-Tetrachlorophenol  
Concen: 42.607 ng  
RT: 10.245 min Scan# 1386  
Delta R.T. -0.000 min  
Lab File: BF141801.D  
Acq: 27 Feb 2025 19:45

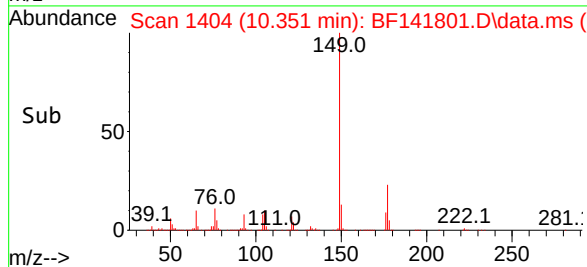
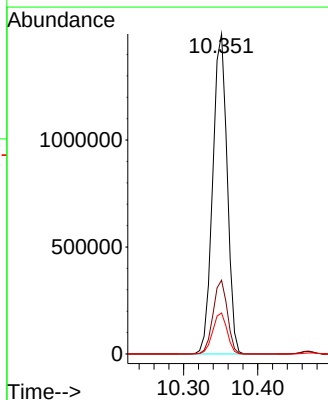
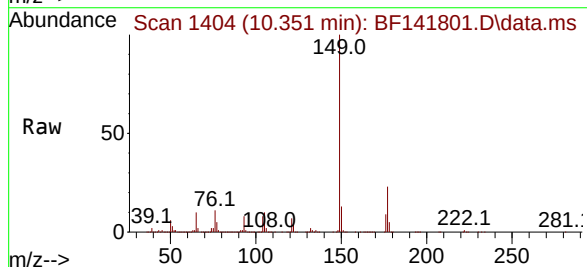
Instrument :  
BNA\_F  
ClientSampleId :  
ICVBF022725

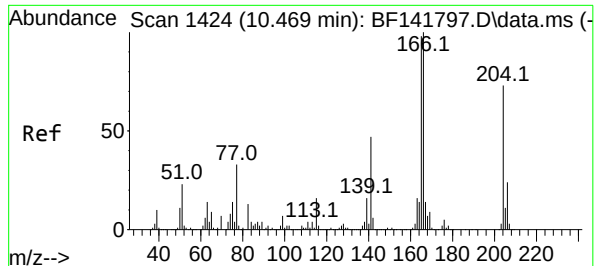
Tgt Ion:232 Resp: 515976  
Ion Ratio Lower Upper  
232 100  
131 47.1 37.8 56.8  
130 2.5 2.0 3.0  
166 31.3 25.0 37.4



#60  
Diethylphthalate  
Concen: 39.896 ng  
RT: 10.351 min Scan# 1404  
Delta R.T. -0.000 min  
Lab File: BF141801.D  
Acq: 27 Feb 2025 19:45

Tgt Ion:149 Resp: 2018830  
Ion Ratio Lower Upper  
149 100  
177 23.1 18.3 27.5  
150 12.8 10.3 15.5

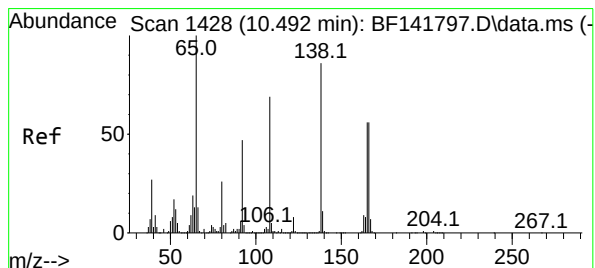
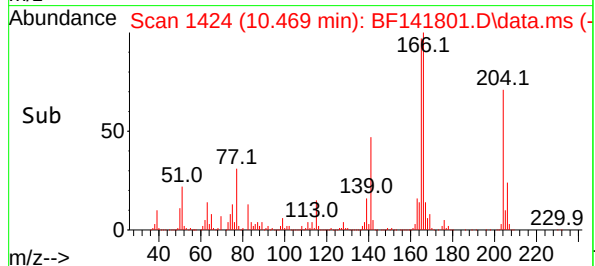
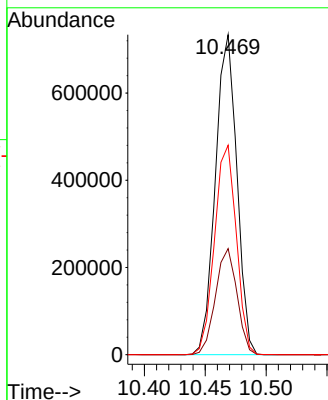
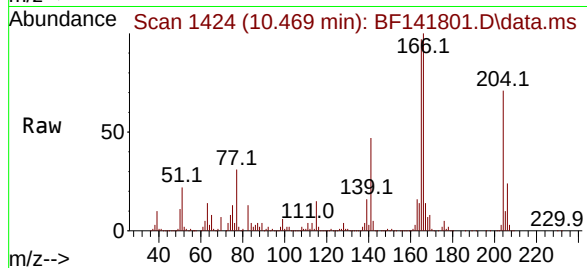




#61  
4-Chlorophenyl-phenylether  
Concen: 38.546 ng  
RT: 10.469 min Scan# 1424  
Delta R.T. -0.000 min  
Lab File: BF141801.D  
Acq: 27 Feb 2025 19:45

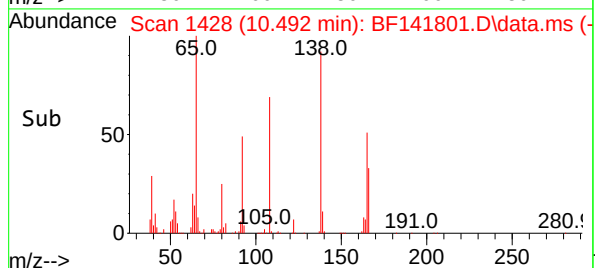
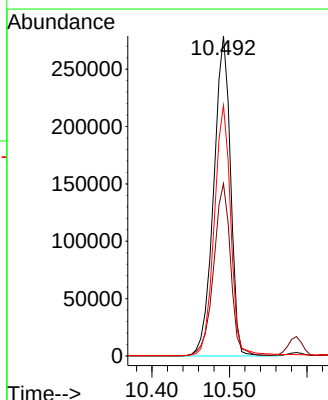
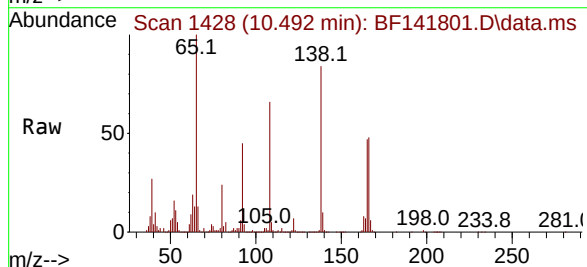
Instrument :  
BNA\_F  
ClientSampleId :  
ICVBF022725

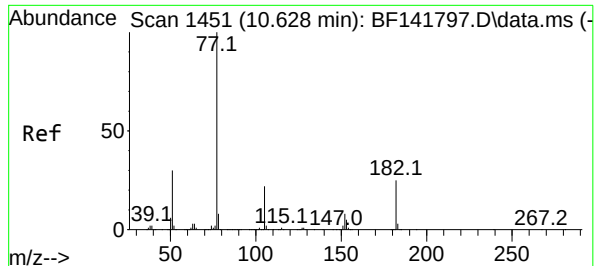
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 204     | 100   |       |       |
| 206     | 33.2  | 26.2  | 39.4  |
| 141     | 65.4  | 51.7  | 77.5  |



#62  
4-Nitroaniline  
Concen: 48.866 ng  
RT: 10.492 min Scan# 1428  
Delta R.T. -0.000 min  
Lab File: BF141801.D  
Acq: 27 Feb 2025 19:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 92      | 53.9  | 34.9  | 74.9  |
| 108     | 78.3  | 59.6  | 99.6  |

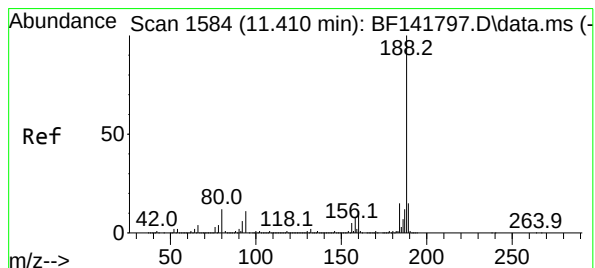
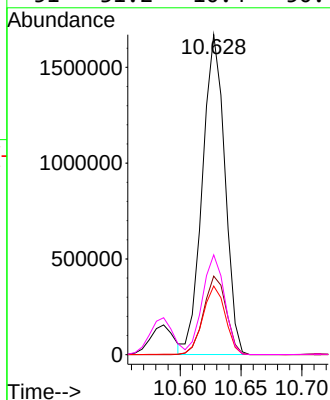
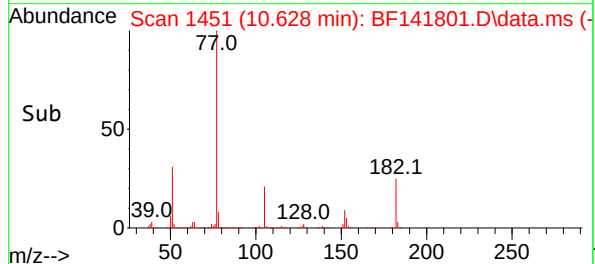
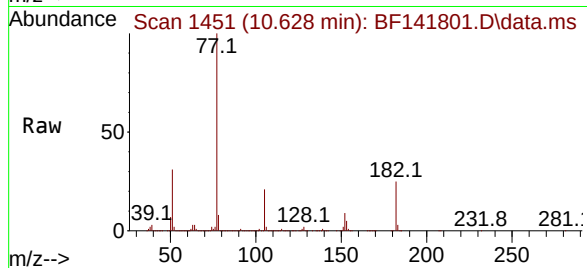




#63  
Azobenzene  
Concen: 40.188 ng  
RT: 10.628 min Scan# 1451  
Delta R.T. -0.000 min  
Lab File: BF141801.D  
Acq: 27 Feb 2025 19:45

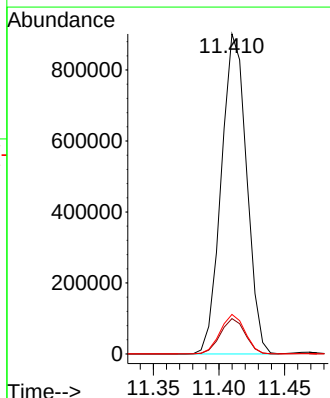
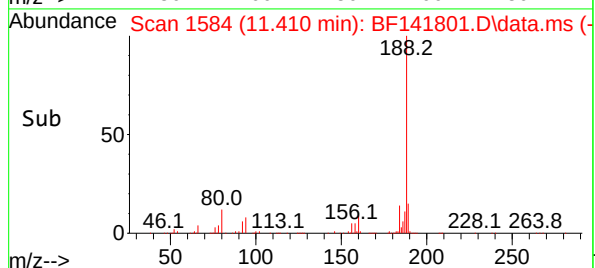
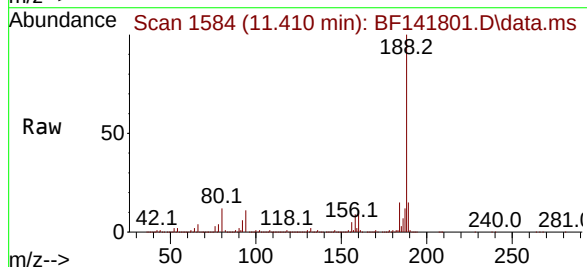
Instrument :  
BNA\_F  
ClientSampleId :  
ICVBF022725

Tgt Ion: 77 Resp: 2141198  
Ion Ratio Lower Upper  
77 100  
182 24.5 4.2 44.2  
105 21.4 1.5 41.5  
51 31.2 10.4 50.4

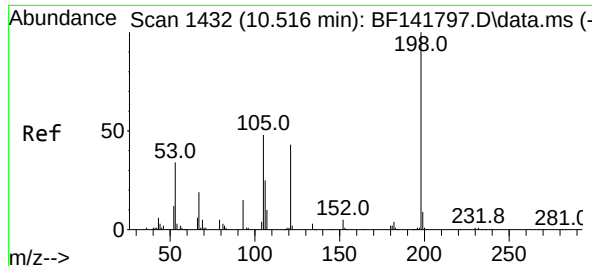


#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.410 min Scan# 1584  
Delta R.T. -0.000 min  
Lab File: BF141801.D  
Acq: 27 Feb 2025 19:45

Tgt Ion: 188 Resp: 1211382  
Ion Ratio Lower Upper  
188 100  
94 11.1 8.9 13.3  
80 12.3 9.7 14.5



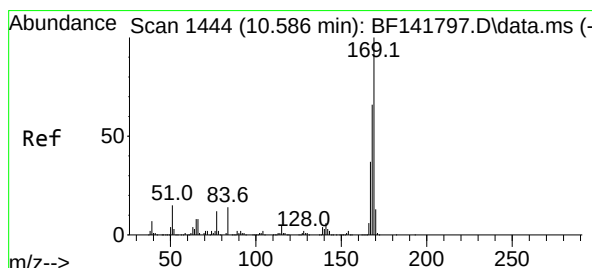
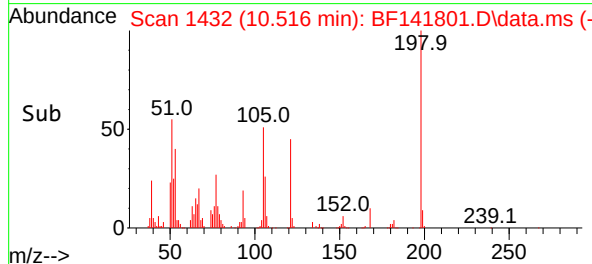
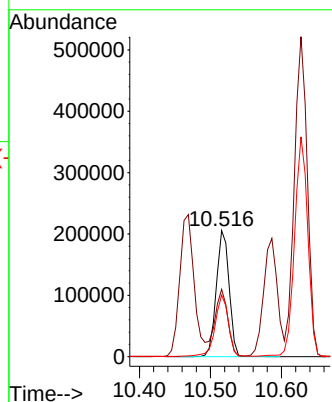
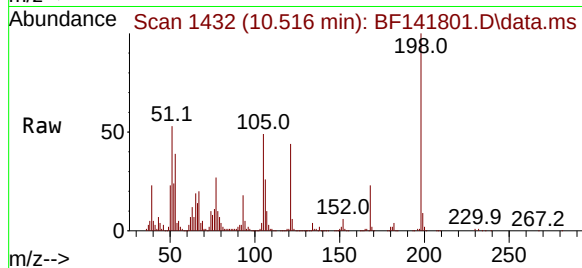




#65  
4,6-Dinitro-2-methylphenol  
Concen: 45.441 ng  
RT: 10.516 min Scan# 1432  
Delta R.T. -0.000 min  
Lab File: BF141801.D  
Acq: 27 Feb 2025 19:45

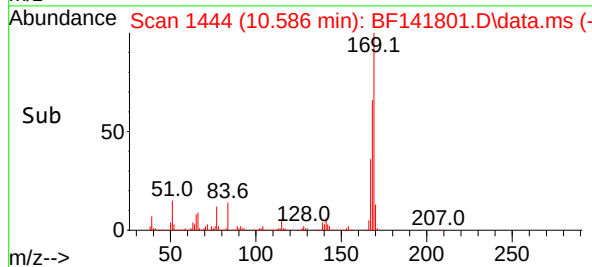
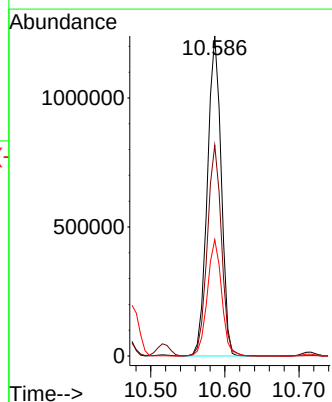
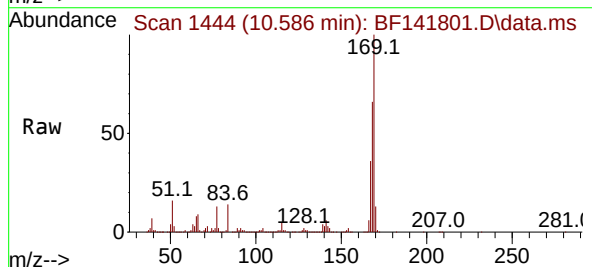
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BNA\_F  
ClientSampleId :  
ICVBF022725

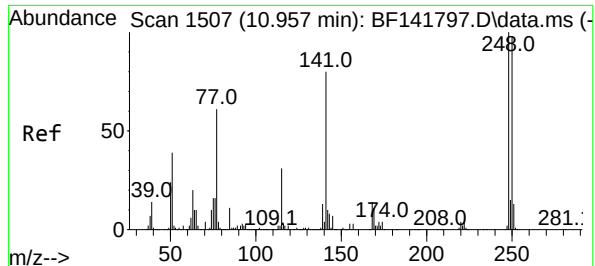
Tgt Ion:198 Resp: 256241  
Ion Ratio Lower Upper  
198 100  
51 53.4 32.1 72.1  
105 49.0 28.5 68.5



#66  
n-Nitrosodiphenylamine  
Concen: 40.431 ng  
RT: 10.586 min Scan# 1444  
Delta R.T. -0.000 min  
Lab File: BF141801.D  
Acq: 27 Feb 2025 19:45

Tgt Ion:169 Resp: 1608263  
Ion Ratio Lower Upper  
169 100  
168 65.9 53.0 79.6  
167 36.4 29.3 43.9

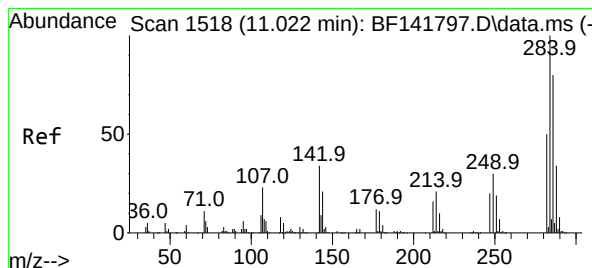
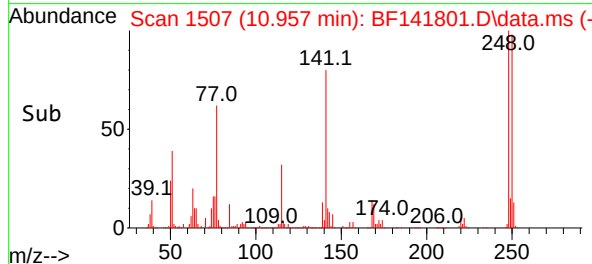
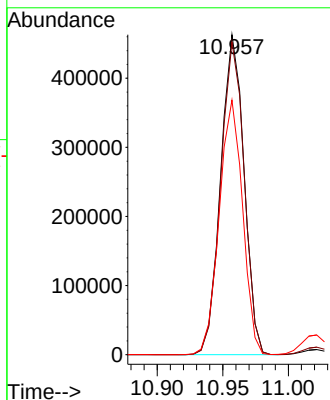
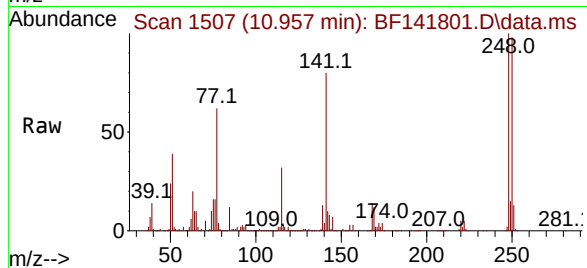




#67  
4-Bromophenyl-phenylether  
Concen: 40.614 ng  
RT: 10.957 min Scan# 1507  
Delta R.T. -0.000 min  
Lab File: BF141801.D  
Acq: 27 Feb 2025 19:45

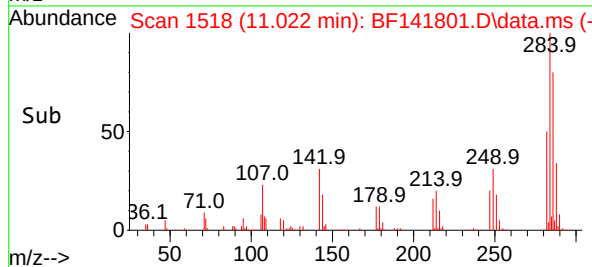
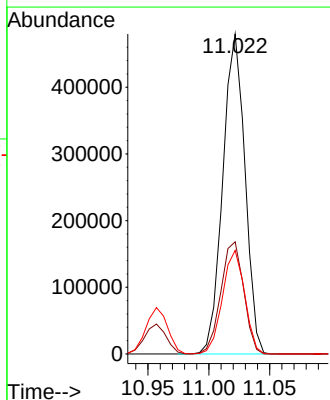
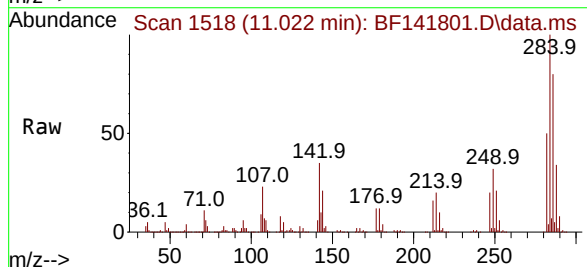
Instrument :  
BNA\_F  
ClientSampleId :  
ICVBF022725

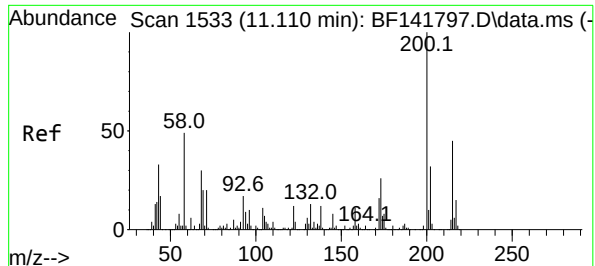
Tgt Ion:248 Resp: 574667  
Ion Ratio Lower Upper  
248 100  
250 97.7 78.1 117.1  
141 79.5 64.3 96.5



#68  
Hexachlorobenzene  
Concen: 40.697 ng  
RT: 11.022 min Scan# 1518  
Delta R.T. -0.000 min  
Lab File: BF141801.D  
Acq: 27 Feb 2025 19:45

Tgt Ion:284 Resp: 608067  
Ion Ratio Lower Upper  
284 100  
142 35.0 28.2 42.2  
249 32.4 25.5 38.3





#69

Atrazine

Concen: 38.463 ng

RT: 11.110 min Scan# 1533

Delta R.T. -0.000 min

Lab File: BF141801.D

Acq: 27 Feb 2025 19:45

Instrument :

BNA\_F

ClientSampleId :

ICVBF022725

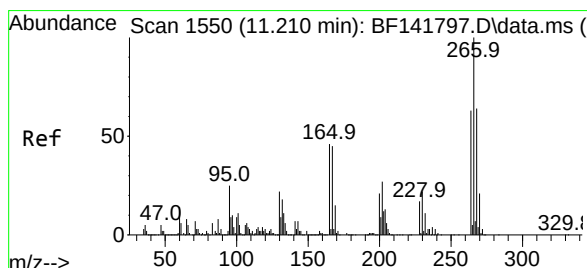
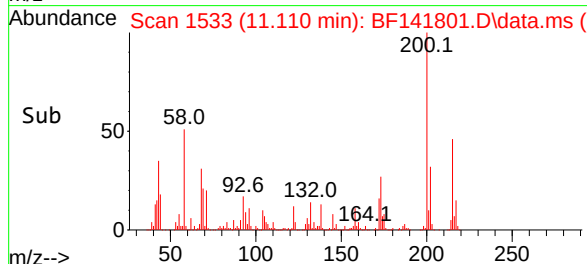
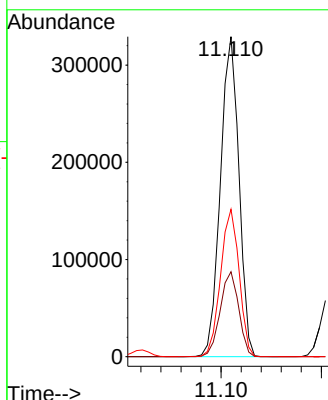
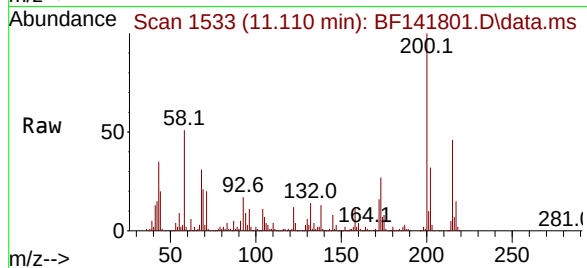
Tgt Ion:200 Resp: 420733

Ion Ratio Lower Upper

200 100

173 26.5 5.6 45.6

215 46.1 25.3 65.3



#70

Pentachlorophenol

Concen: 44.032 ng

RT: 11.210 min Scan# 1550

Delta R.T. -0.000 min

Lab File: BF141801.D

Acq: 27 Feb 2025 19:45

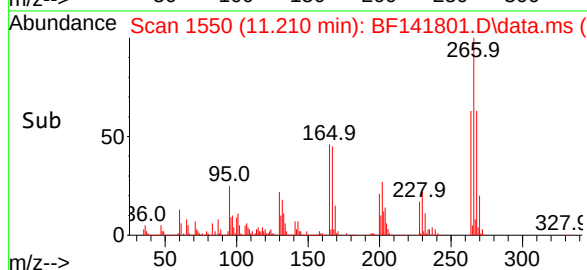
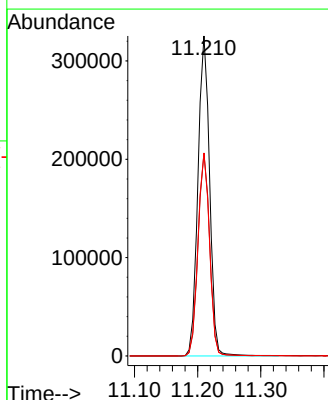
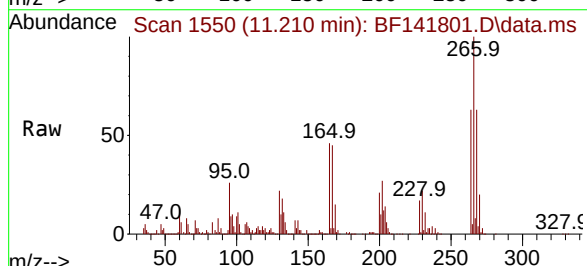
Tgt Ion:266 Resp: 417260

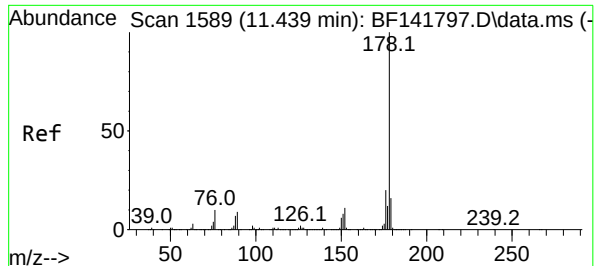
Ion Ratio Lower Upper

266 100

268 63.5 50.9 76.3

264 63.4 50.2 75.4

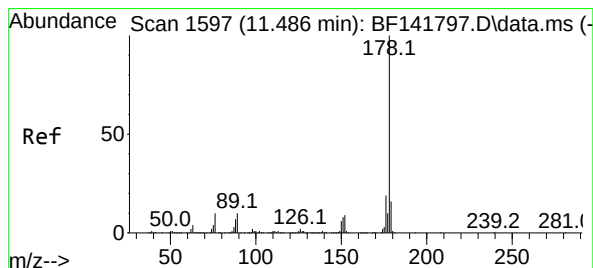
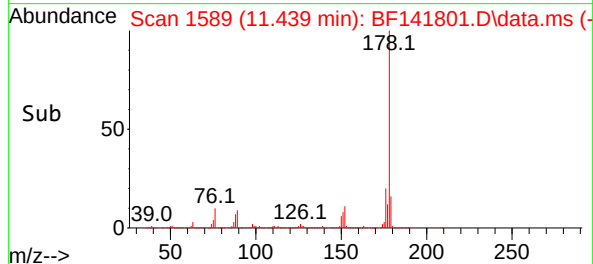
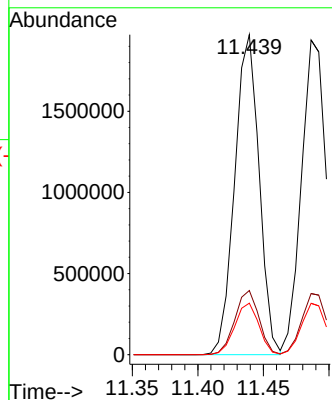
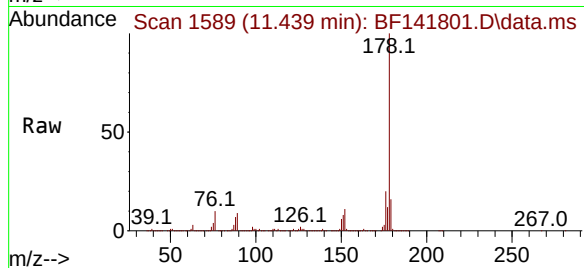




#71  
Phenanthrene  
Concen: 39.475 ng  
RT: 11.439 min Scan# 1589  
Delta R.T. -0.000 min  
Lab File: BF141801.D  
Acq: 27 Feb 2025 19:45

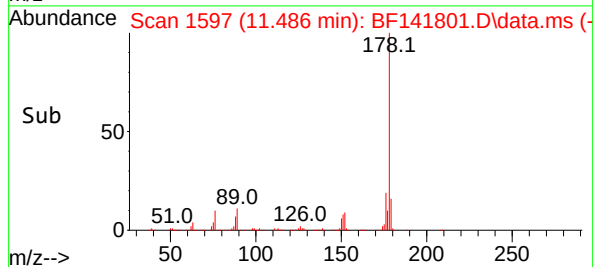
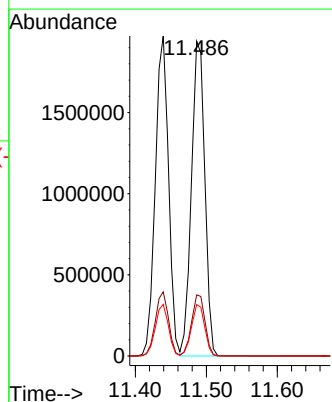
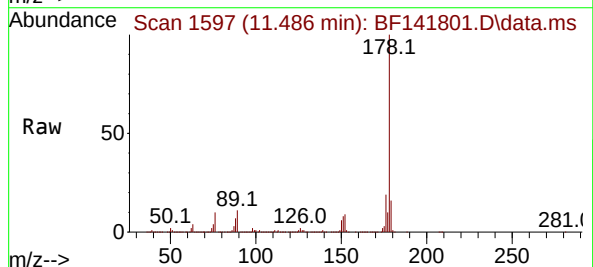
Instrument :  
BNA\_F  
ClientSampleId :  
ICVBF022725

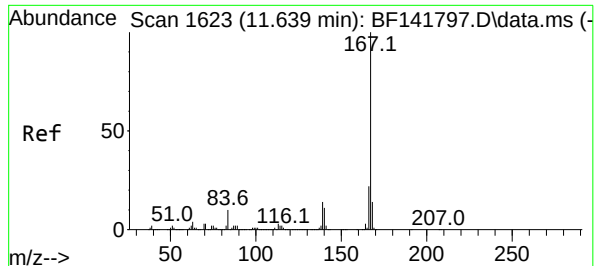
Tgt Ion:178 Resp: 2557877  
Ion Ratio Lower Upper  
178 100  
176 20.0 16.0 24.0  
179 16.1 12.6 19.0



#72  
Anthracene  
Concen: 39.126 ng  
RT: 11.486 min Scan# 1597  
Delta R.T. -0.000 min  
Lab File: BF141801.D  
Acq: 27 Feb 2025 19:45

Tgt Ion:178 Resp: 2540876  
Ion Ratio Lower Upper  
178 100  
176 19.4 15.4 23.0  
179 16.3 12.8 19.2

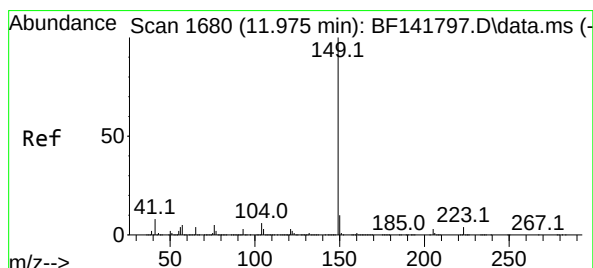
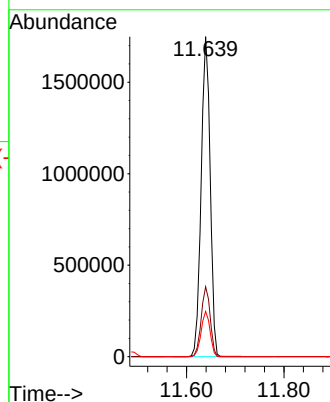
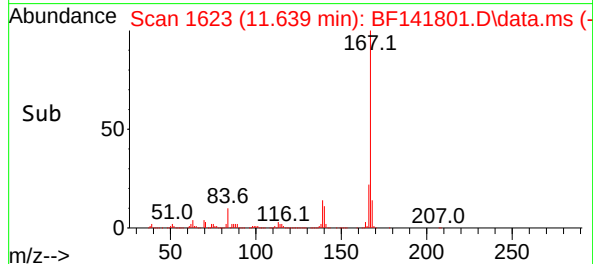
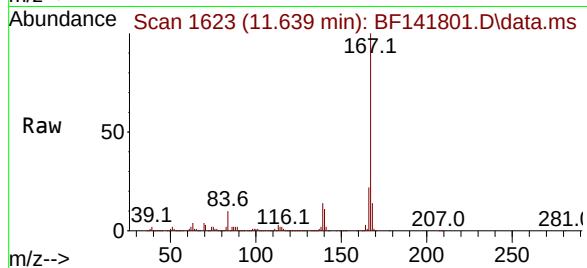




#73  
Carbazole  
Concen: 39.317 ng  
RT: 11.639 min Scan# 1623  
Delta R.T. -0.000 min  
Lab File: BF141801.D  
Acq: 27 Feb 2025 19:45

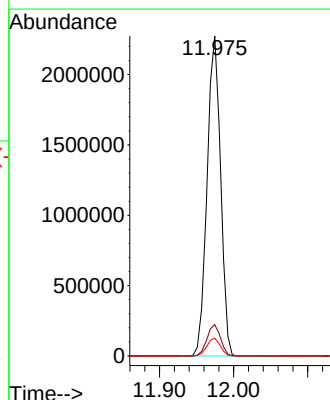
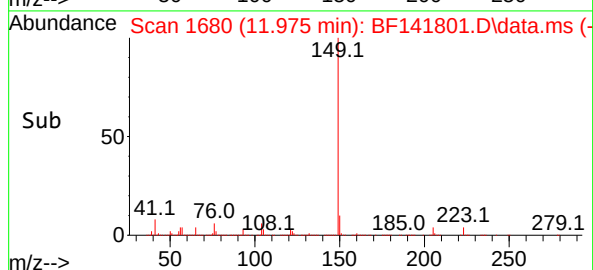
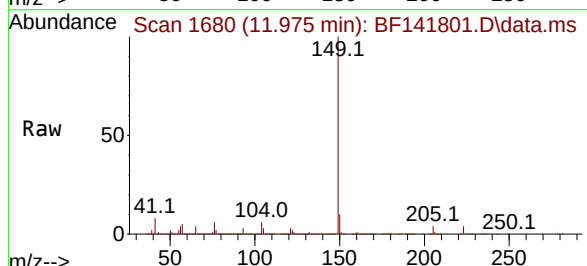
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BNA\_F  
ClientSampleId :  
ICVBF022725

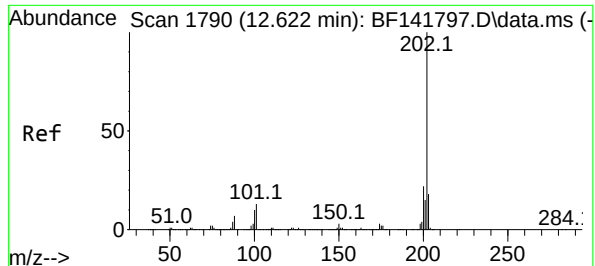
Tgt Ion:167 Resp: 2254761  
Ion Ratio Lower Upper  
167 100  
166 21.9 17.5 26.3  
139 14.2 11.3 16.9



#74  
Di-n-butylphthalate  
Concen: 39.540 ng  
RT: 11.975 min Scan# 1680  
Delta R.T. -0.000 min  
Lab File: BF141801.D  
Acq: 27 Feb 2025 19:45

Tgt Ion:149 Resp: 2874276  
Ion Ratio Lower Upper  
149 100  
150 9.8 7.7 11.5  
104 5.5 4.4 6.6

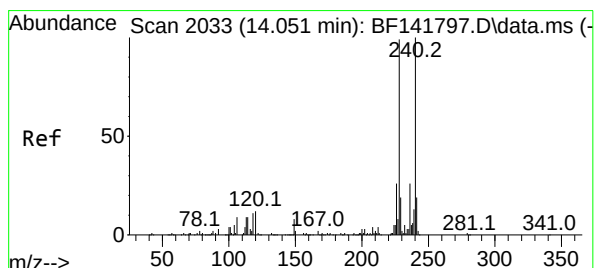
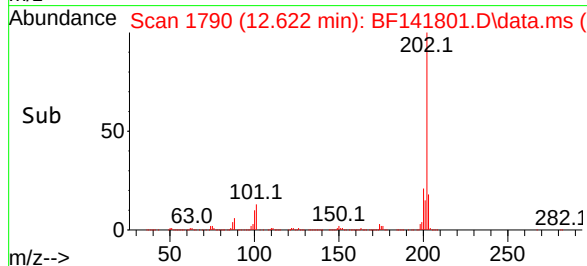
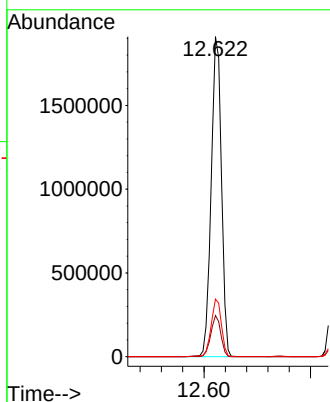
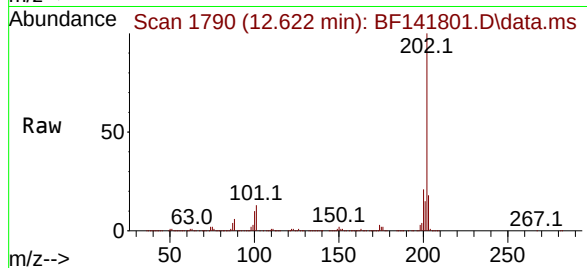




#75  
Fluoranthene  
Concen: 38.448 ng  
RT: 12.622 min Scan# 1790  
Delta R.T. -0.000 min  
Lab File: BF141801.D  
Acq: 27 Feb 2025 19:45

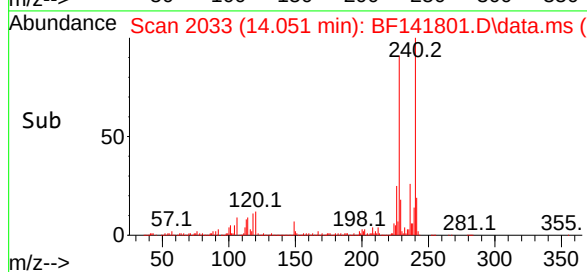
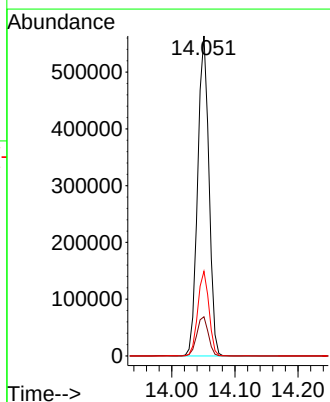
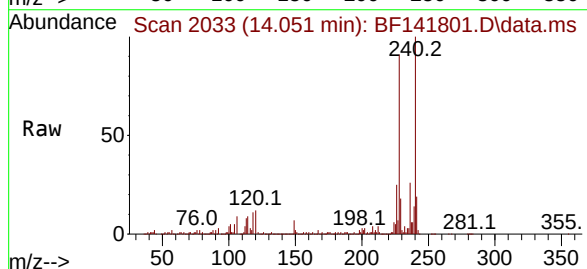
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BNA\_F  
ClientSampleId :  
ICVBF022725

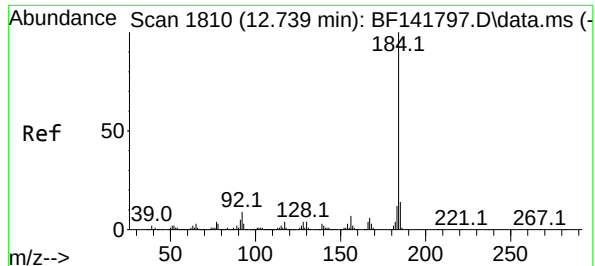
Tgt Ion:202 Resp: 2552790  
Ion Ratio Lower Upper  
202 100  
101 12.8 0.0 32.8  
203 18.0 0.0 38.0



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.051 min Scan# 2033  
Delta R.T. -0.000 min  
Lab File: BF141801.D  
Acq: 27 Feb 2025 19:45

Tgt Ion:240 Resp: 696919  
Ion Ratio Lower Upper  
240 100  
120 12.2 9.7 14.5  
236 26.5 21.0 31.4

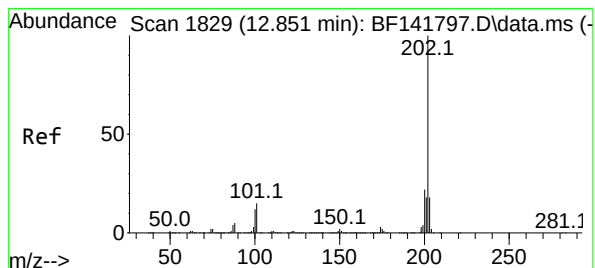
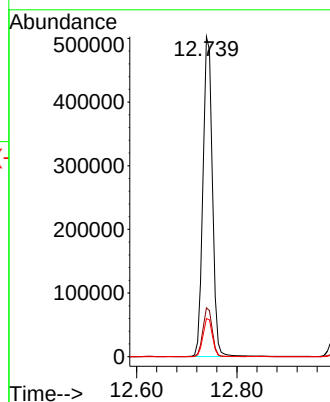
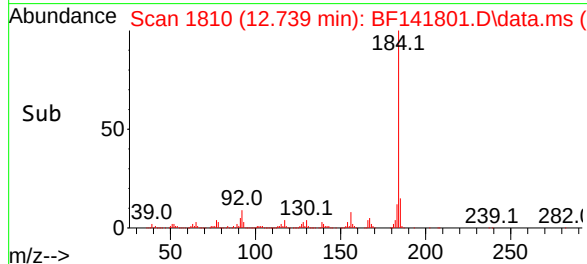
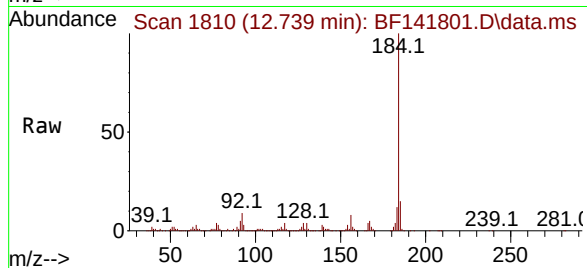




#77  
Benzidine  
Concen: 74.959 ng  
RT: 12.739 min Scan# 1810  
Delta R.T. 0.000 min  
Lab File: BF141801.D  
Acq: 27 Feb 2025 19:45

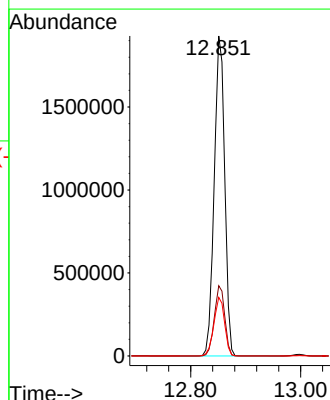
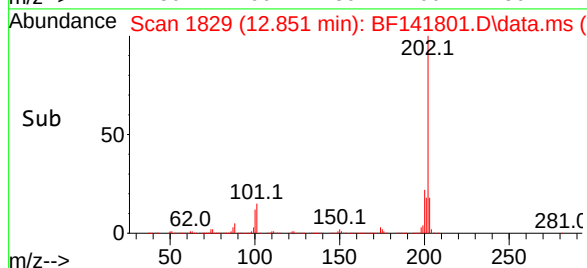
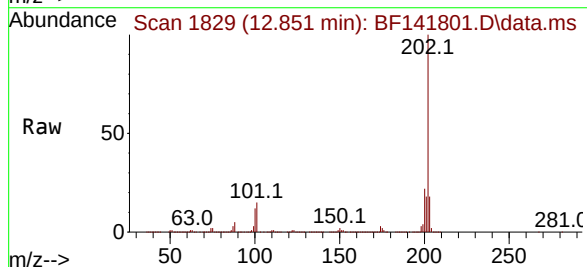
Instrument :  
BNA\_F  
ClientSampleId :  
ICVBF022725

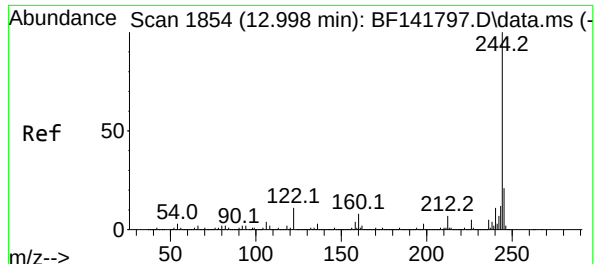
Tgt Ion:184 Resp: 657519  
Ion Ratio Lower Upper  
184 100  
185 15.3 11.6 17.4  
183 11.9 9.4 14.0



#78  
Pyrene  
Concen: 42.307 ng  
RT: 12.851 min Scan# 1829  
Delta R.T. -0.000 min  
Lab File: BF141801.D  
Acq: 27 Feb 2025 19:45

Tgt Ion:202 Resp: 2553211  
Ion Ratio Lower Upper  
202 100  
200 22.0 17.4 26.0  
203 18.3 14.6 22.0





#79

Terphenyl-d14

Concen: 82.060 ng

RT: 12.998 min Scan# 1854

Delta R.T. -0.000 min

Lab File: BF141801.D

Acq: 27 Feb 2025 19:45

Instrument :

BNA\_F

ClientSampleId :

ICVBF022725

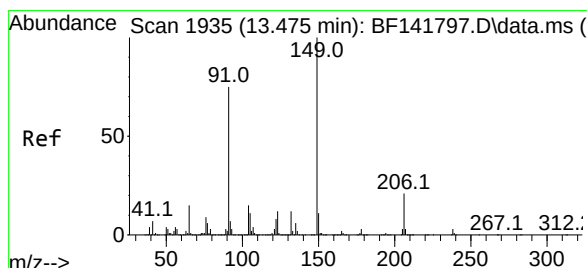
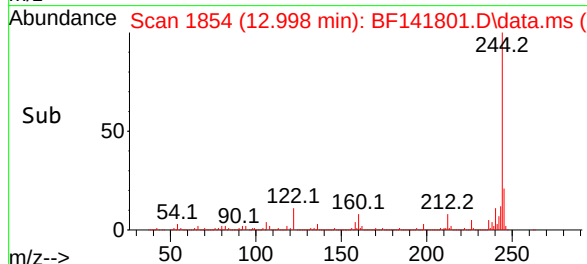
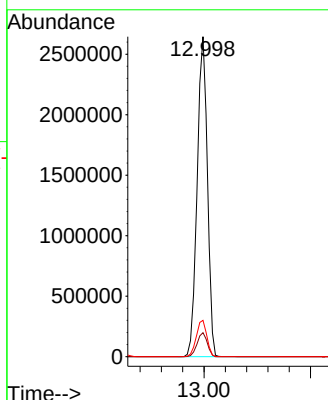
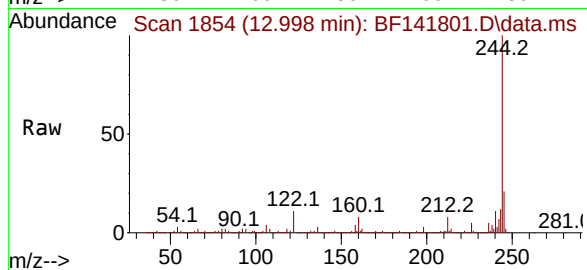
Tgt Ion:244 Resp: 3534753

Ion Ratio Lower Upper

244 100

212 7.5 6.0 9.0

122 11.3 9.0 13.6



#80

Butylbenzylphthalate

Concen: 43.655 ng

RT: 13.469 min Scan# 1934

Delta R.T. -0.006 min

Lab File: BF141801.D

Acq: 27 Feb 2025 19:45

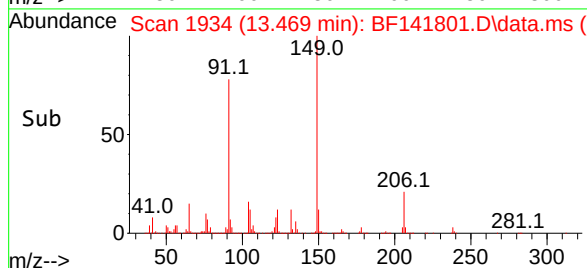
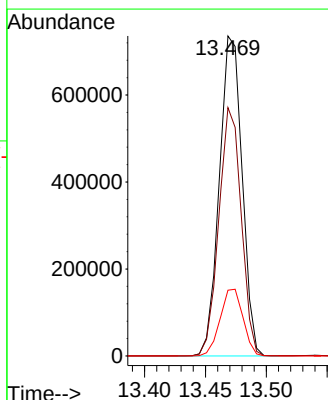
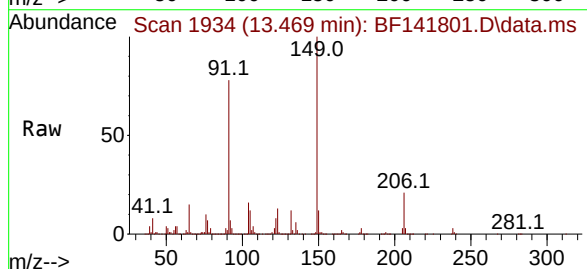
Tgt Ion:149 Resp: 957186

Ion Ratio Lower Upper

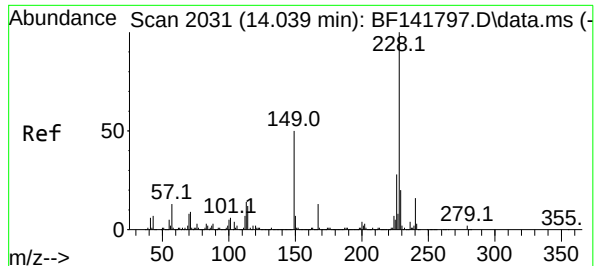
149 100

91 77.6 60.1 90.1

206 20.5 16.8 25.2







#81

Benzo(a)anthracene

Concen: 40.236 ng

RT: 14.039 min Scan# 2031

Delta R.T. -0.000 min

Lab File: BF141801.D

Acq: 27 Feb 2025 19:45

Instrument :

BNA\_F

ClientSampleId :

ICVBF022725

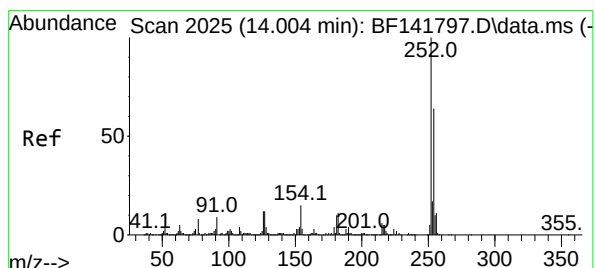
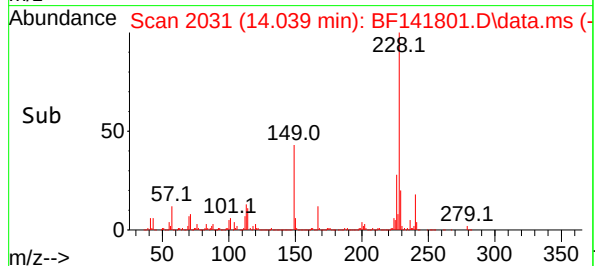
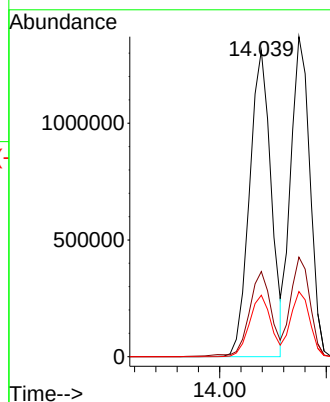
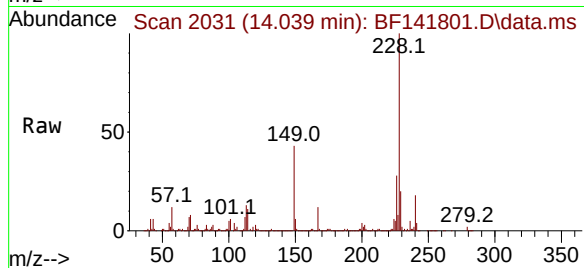
Tgt Ion:228 Resp: 1852195

Ion Ratio Lower Upper

228 100

226 27.8 22.1 33.1

229 20.1 16.1 24.1



#82

3,3'-Dichlorobenzidine

Concen: 43.392 ng

RT: 14.004 min Scan# 2025

Delta R.T. -0.000 min

Lab File: BF141801.D

Acq: 27 Feb 2025 19:45

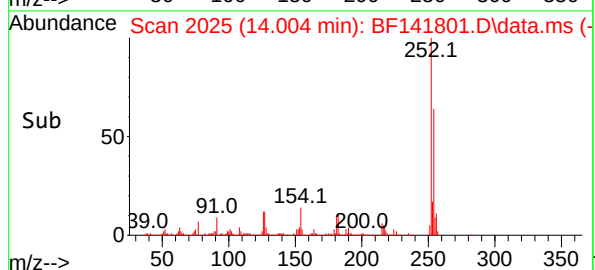
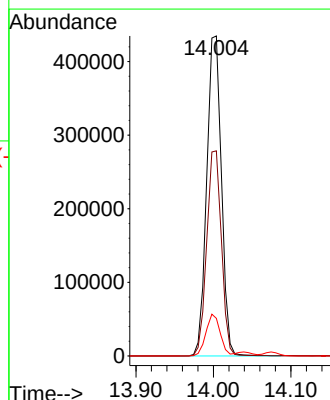
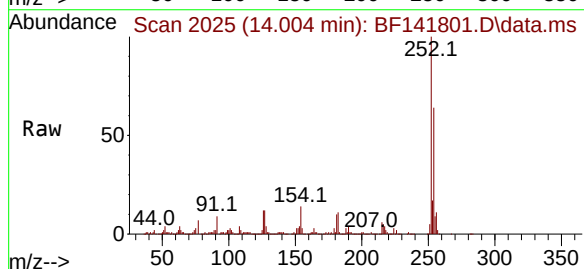
Tgt Ion:252 Resp: 573075

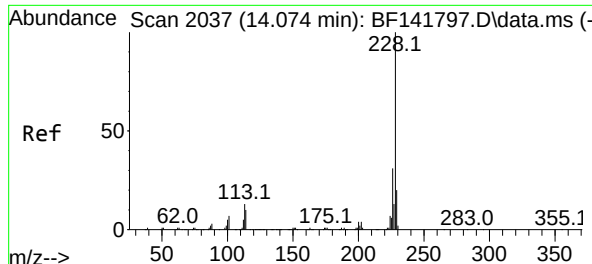
Ion Ratio Lower Upper

252 100

254 64.1 51.4 77.0

126 11.8 9.8 14.6

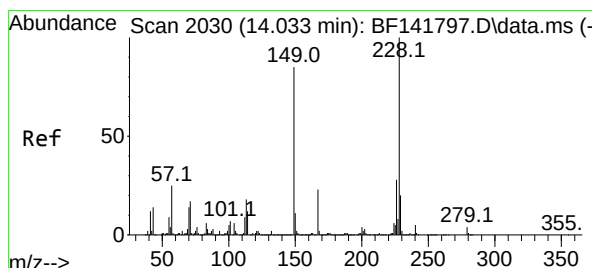
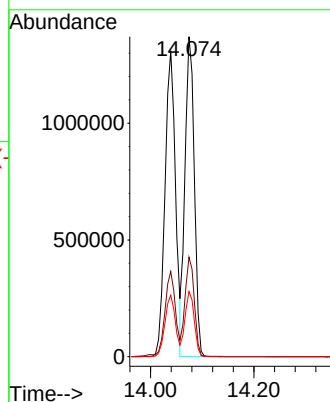
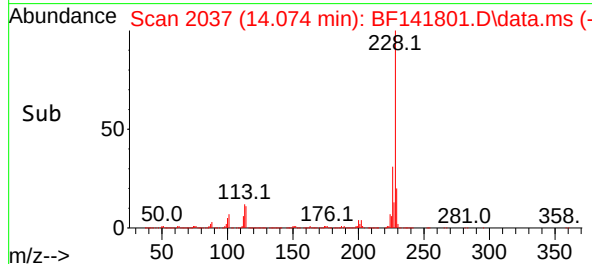
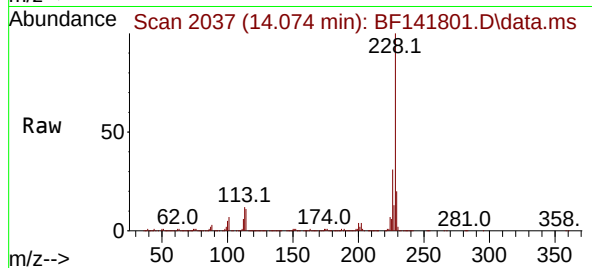




#83  
Chrysene  
Concen: 40.491 ng  
RT: 14.074 min Scan# 2037  
Delta R.T. -0.000 min  
Lab File: BF141801.D  
Acq: 27 Feb 2025 19:45

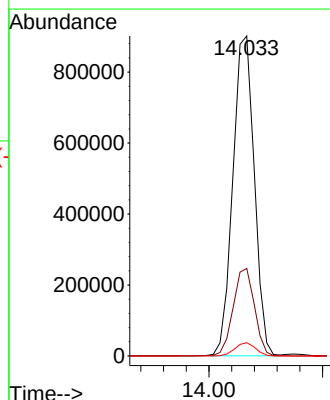
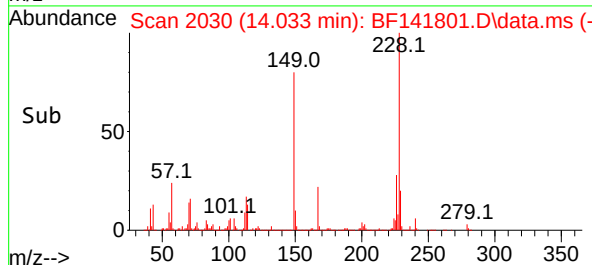
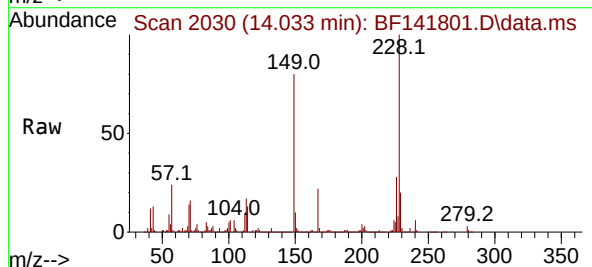
Instrument :  
BNA\_F  
ClientSampleId :  
ICVBF022725

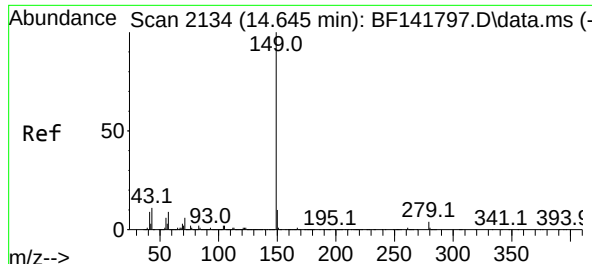
Tgt Ion:228 Resp: 1718188  
Ion Ratio Lower Upper  
228 100  
226 31.1 24.6 37.0  
229 20.4 16.1 24.1



#84  
Bis(2-ethylhexyl)phthalate  
Concen: 43.350 ng  
RT: 14.033 min Scan# 2030  
Delta R.T. -0.000 min  
Lab File: BF141801.D  
Acq: 27 Feb 2025 19:45

Tgt Ion:149 Resp: 1183508  
Ion Ratio Lower Upper  
149 100  
167 27.4 21.2 31.8  
279 4.2 3.3 4.9

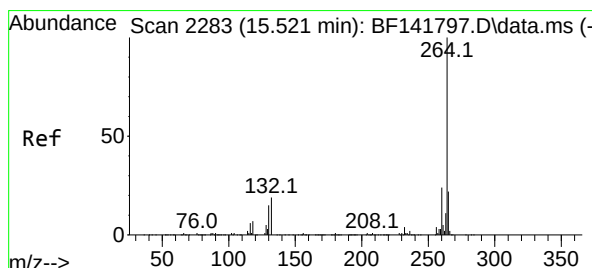
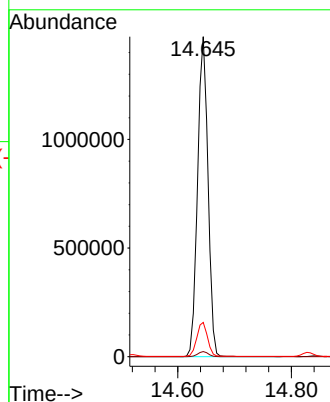
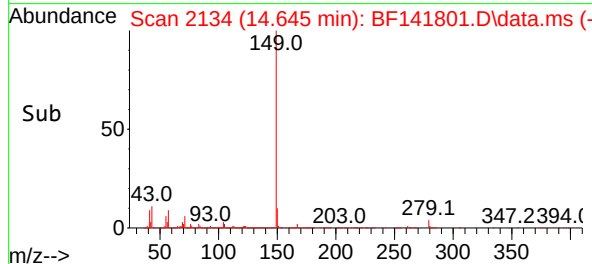
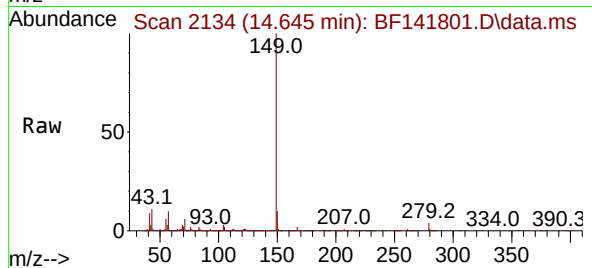




#85  
Di-n-octyl phthalate  
Concen: 46.033 ng  
RT: 14.645 min Scan# 2134  
Delta R.T. -0.000 min  
Lab File: BF141801.D  
Acq: 27 Feb 2025 19:45

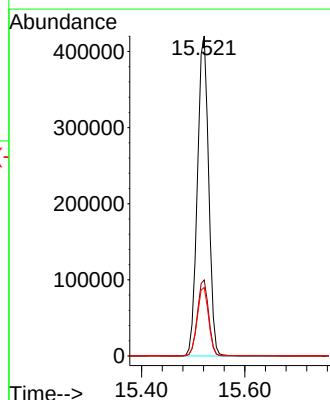
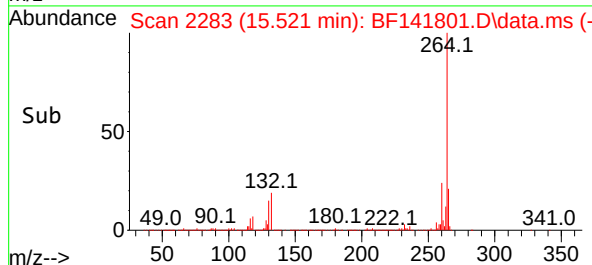
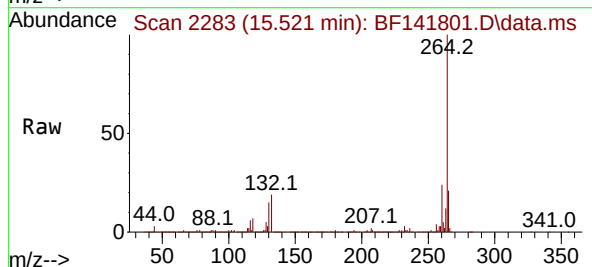
Instrument :  
BNA\_F  
ClientSampleId :  
ICVBF022725

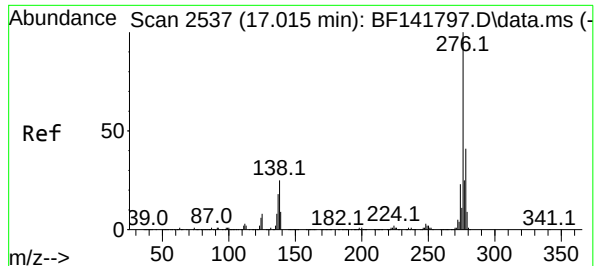
Tgt Ion:149 Resp: 1881499  
Ion Ratio Lower Upper  
149 100  
167 1.6 1.2 1.8  
43 11.0 8.6 12.8



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.521 min Scan# 2283  
Delta R.T. -0.000 min  
Lab File: BF141801.D  
Acq: 27 Feb 2025 19:45

Tgt Ion:264 Resp: 634238  
Ion Ratio Lower Upper  
264 100  
260 23.8 18.9 28.3  
265 21.4 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 43.754 ng

RT: 17.015 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF141801.D

Acq: 27 Feb 2025 19:45

Instrument :

BNA\_F

ClientSampleId :

ICVBF022725

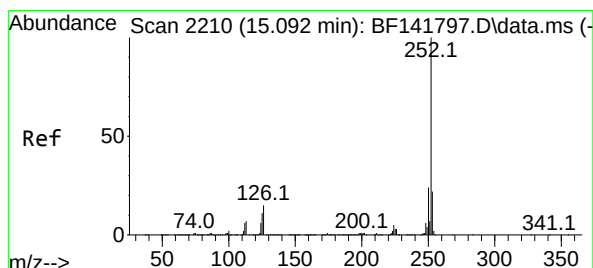
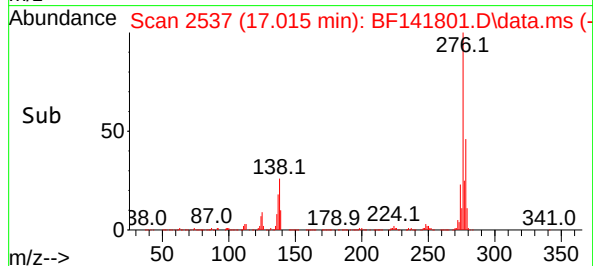
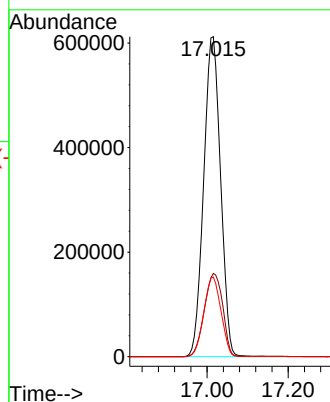
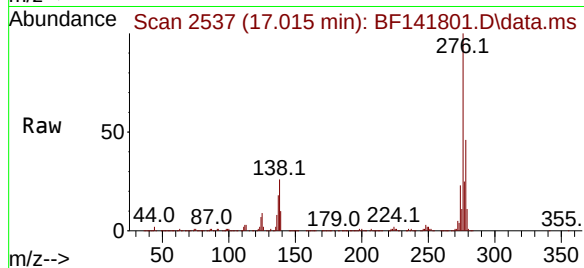
Tgt Ion:276 Resp: 1767077

Ion Ratio Lower Upper

276 100

138 28.3 22.5 33.7

277 25.3 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 39.602 ng

RT: 15.086 min Scan# 2209

Delta R.T. -0.006 min

Lab File: BF141801.D

Acq: 27 Feb 2025 19:45

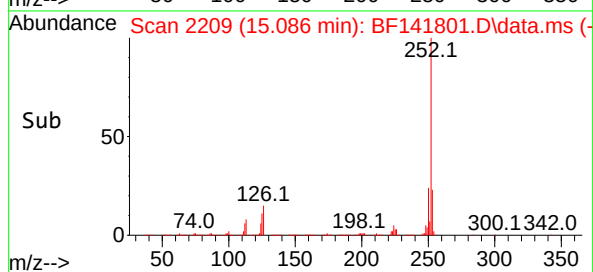
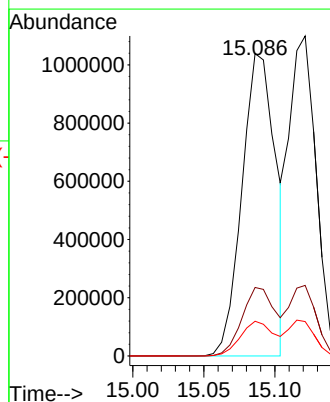
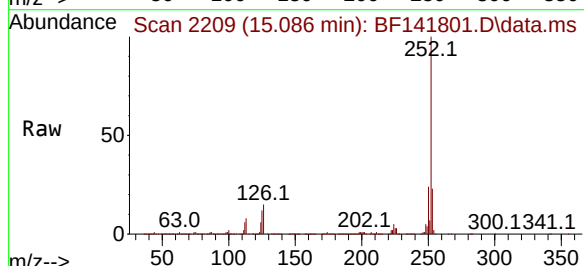
Tgt Ion:252 Resp: 1710890

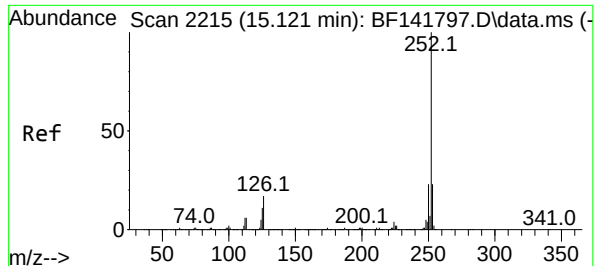
Ion Ratio Lower Upper

252 100

253 22.6 17.7 26.5

125 11.5 8.6 13.0





#89

Benzo(k)fluoranthene

Concen: 39.608 ng

RT: 15.121 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF141801.D

Acq: 27 Feb 2025 19:45

Instrument :

BNA\_F

ClientSampleId :

ICVBF022725

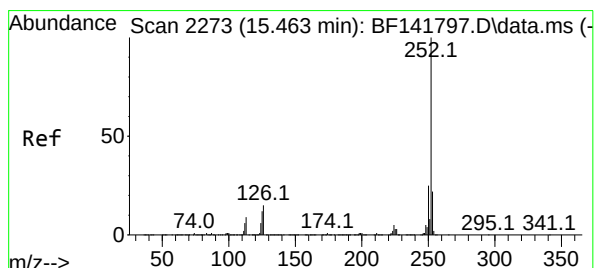
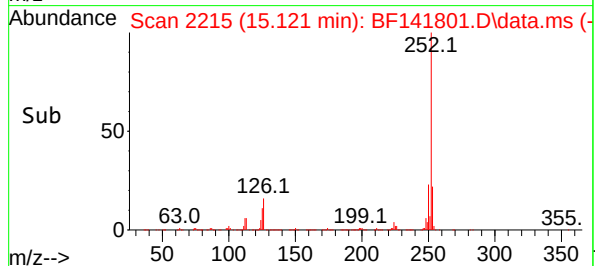
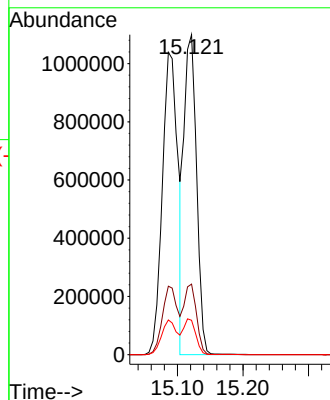
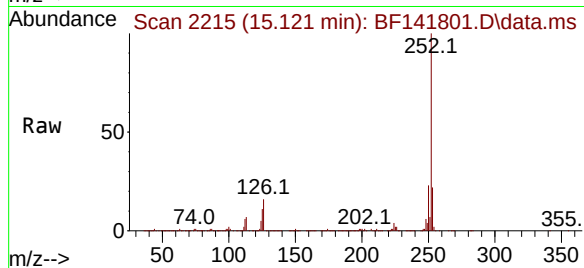
Tgt Ion:252 Resp: 1454422

Ion Ratio Lower Upper

252 100

253 22.0 17.8 26.8

125 10.8 8.8 13.2



#90

Benzo(a)pyrene

Concen: 40.891 ng

RT: 15.457 min Scan# 2272

Delta R.T. -0.006 min

Lab File: BF141801.D

Acq: 27 Feb 2025 19:45

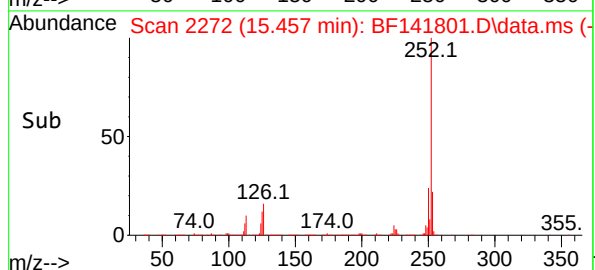
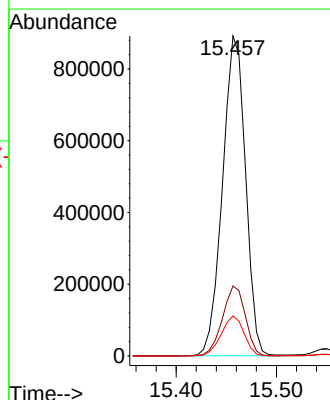
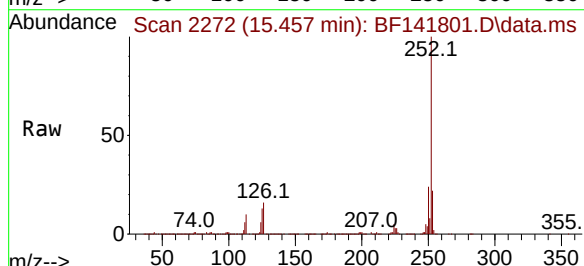
Tgt Ion:252 Resp: 1416788

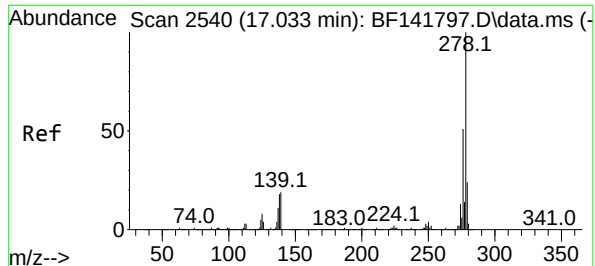
Ion Ratio Lower Upper

252 100

253 21.8 17.5 26.3

125 12.5 9.4 14.2





#91

Dibenzo(a,h)anthracene

Concen: 43.693 ng

RT: 17.033 min Scan# 2540

Delta R.T. -0.000 min

Lab File: BF141801.D

Acq: 27 Feb 2025 19:45

Instrument :

BNA\_F

ClientSampleId :

ICVBF022725

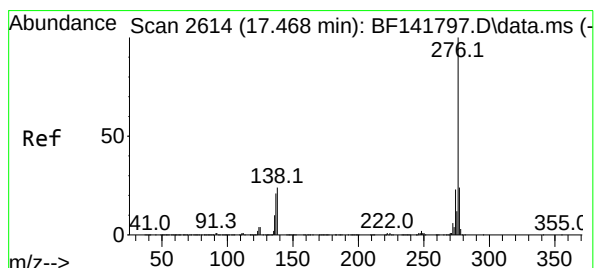
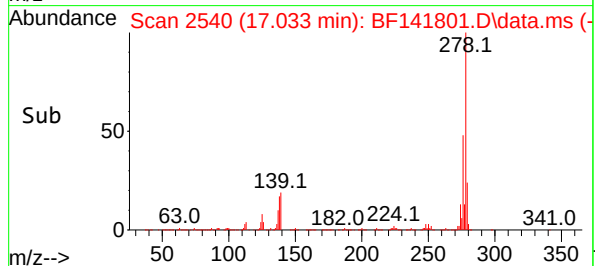
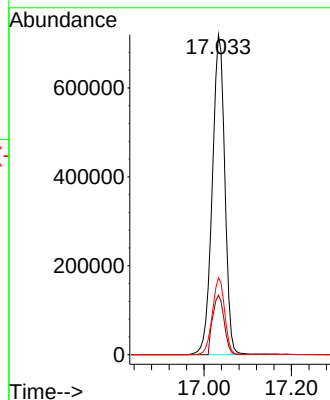
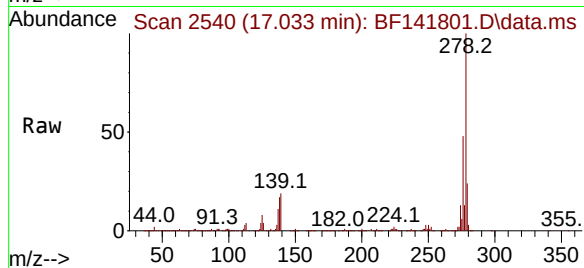
Tgt Ion:278 Resp: 1440368

Ion Ratio Lower Upper

278 100

139 18.6 14.9 22.3

279 24.0 19.3 28.9



#92

Benzo(g,h,i)perylene

Concen: 43.969 ng

RT: 17.468 min Scan# 2614

Delta R.T. -0.000 min

Lab File: BF141801.D

Acq: 27 Feb 2025 19:45

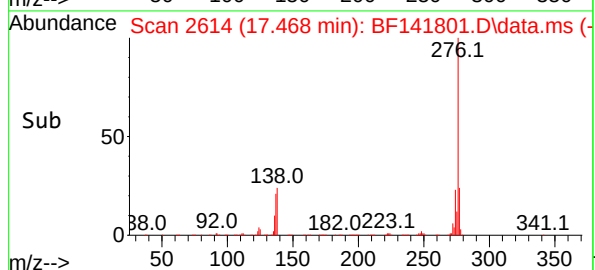
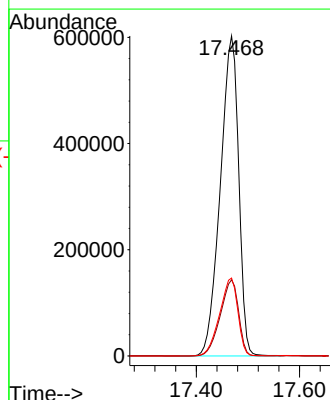
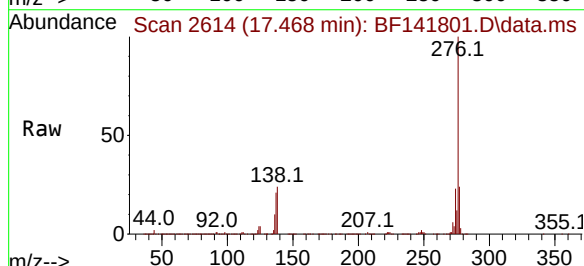
Tgt Ion:276 Resp: 1484943

Ion Ratio Lower Upper

276 100

277 23.8 19.4 29.0

138 24.4 19.3 28.9



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF022725\  
 Data File : BF141801.D  
 Acq On : 27 Feb 2025 19:45  
 Operator : RC/JU  
 Sample : SSTDICV040  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 ICVBF022725

Quant Time: Feb 28 01:51:40 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF022725.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Feb 28 01:48:16 2025  
 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    | 117   | 0.00     |
| 2    | 1,4-Dioxane                 | 0.568 | 0.589 | -3.7   | 116   | 0.00     |
| 3    | Pyridine                    | 1.414 | 1.505 | -6.4   | 119   | 0.00     |
| 4    | n-Nitrosodimethylamine      | 0.680 | 0.741 | -9.0   | 119   | 0.00     |
| 5 S  | 2-Fluorophenol              | 1.252 | 1.291 | -3.1   | 117   | 0.00     |
| 6    | Aniline                     | 1.695 | 1.816 | -7.1   | 117   | 0.00     |
| 7 S  | Phenol-d6                   | 1.630 | 1.692 | -3.8   | 117   | 0.00     |
| 8    | 2-Chlorophenol              | 1.355 | 1.423 | -5.0   | 118   | 0.00     |
| 9    | Benzaldehyde                | 0.948 | 1.035 | -9.2   | 123   | 0.00     |
| 10 C | Phenol                      | 1.742 | 1.812 | -4.0   | 116   | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.328 | 1.386 | -4.4   | 121   | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.451 | 1.505 | -3.7   | 117   | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.462 | 1.501 | -2.7   | 116   | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.365 | 1.394 | -2.1   | 116   | 0.00     |
| 15   | Benzyl Alcohol              | 1.303 | 1.386 | -6.4   | 118   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 2.016 | 2.151 | -6.7   | 121   | 0.00     |
| 17   | 2-Methylphenol              | 1.118 | 1.184 | -5.9   | 119   | 0.00     |
| 18   | Hexachloroethane            | 0.547 | 0.580 | -6.0   | 117   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 1.072 | 1.112 | -3.7   | 119   | 0.00     |
| 20   | 3+4-Methylphenols           | 1.392 | 1.457 | -4.7   | 118   | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0    | 118   | 0.00     |
| 22   | Acetophenone                | 0.487 | 0.492 | -1.0   | 117   | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.313 | 0.370 | -18.2  | 128   | 0.00     |
| 24   | Nitrobenzene                | 0.335 | 0.383 | -14.3  | 125   | 0.00     |
| 25   | Isophorone                  | 0.672 | 0.688 | -2.4   | 119   | 0.00     |
| 26 C | 2-Nitrophenol               | 0.127 | 0.169 | -33.1# | 139   | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.247 | 0.259 | -4.9   | 120   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.429 | 0.433 | -0.9   | 118   | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.285 | 0.300 | -5.3   | 119   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.312 | 0.318 | -1.9   | 118   | 0.00     |
| 31   | Naphthalene                 | 1.028 | 1.024 | 0.4    | 116   | 0.00     |
| 32   | Benzoic acid                | 0.179 | 0.232 | -29.6# | 144   | 0.00     |
| 33   | 4-Chloroaniline             | 0.377 | 0.378 | -0.3   | 118   | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.194 | 0.199 | -2.6   | 119   | 0.00     |
| 35   | Caprolactam                 | 0.088 | 0.094 | -6.8   | 121   | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 0.317 | 0.331 | -4.4   | 120   | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.674 | 0.669 | 0.7    | 117   | 0.00     |
| 38   | 1-Methylnaphthalene         | 0.647 | 0.641 | 0.9    | 116   | 0.00     |
| 39 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0    | 121   | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 0.578 | 0.579 | -0.2   | 118   | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 0.241 | 0.235 | 2.5    | 110   | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 0.188 | 0.198 | -5.3   | 120   | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 0.373 | 0.393 | -5.4   | 119   | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 0.369 | 0.386 | -4.6   | 122   | 0.00     |
| 45 S | 2-Fluorobiphenyl            | 1.247 | 1.184 | 5.1    | 115   | 0.00     |
| 46   | 1,1'-Biphenyl               | 1.522 | 1.479 | 2.8    | 117   | 0.00     |
| 47   | 2-Chloronaphthalene         | 1.124 | 1.104 | 1.8    | 117   | 0.00     |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF022725\  
 Data File : BF141801.D  
 Acq On : 27 Feb 2025 19:45  
 Operator : RC/JU  
 Sample : SSTDICV040  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 ICVBF022725

Quant Time: Feb 28 01:51:40 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF022725.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Feb 28 01:48:16 2025  
 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             | 0.260 | 0.341 | -31.2# | 137   | 0.00     |
| 49   | Acenaphthylene             | 1.685 | 1.681 | 0.2    | 118   | 0.00     |
| 50   | Dimethylphthalate          | 1.339 | 1.348 | -0.7   | 119   | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 0.226 | 0.282 | -24.8  | 132   | 0.00     |
| 52 C | Acenaphthene               | 1.137 | 1.151 | -1.2   | 121   | 0.00     |
| 53   | 3-Nitroaniline             | 0.241 | 0.298 | -23.7  | 130   | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 0.089 | 0.117 | -31.5# | 152#  | 0.00     |
| 55   | Dibenzofuran               | 1.654 | 1.629 | 1.5    | 118   | 0.00     |
| 56 P | 4-Nitrophenol              | 0.198 | 0.246 | -24.2  | 130   | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 0.269 | 0.356 | -32.3# | 137   | 0.00     |
| 58   | Fluorene                   | 1.239 | 1.194 | 3.6    | 117   | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 0.321 | 0.342 | -6.5   | 122   | 0.00     |
| 60   | Diethylphthalate           | 1.343 | 1.339 | 0.3    | 117   | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 0.621 | 0.598 | 3.7    | 116   | 0.00     |
| 62   | 4-Nitroaniline             | 0.229 | 0.279 | -21.8  | 126   | 0.00     |
| 63   | Azobenzene                 | 1.414 | 1.420 | -0.4   | 119   | 0.00     |
| 64 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0    | 117   | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 0.081 | 0.106 | -30.9# | 143   | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 0.657 | 0.664 | -1.1   | 117   | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 0.234 | 0.237 | -1.3   | 117   | 0.00     |
| 68   | Hexachlorobenzene          | 0.247 | 0.251 | -1.6   | 117   | 0.00     |
| 69   | Atrazine                   | 0.181 | 0.174 | 3.9    | 114   | 0.00     |
| 70 C | Pentachlorophenol          | 0.156 | 0.172 | -10.3  | 120   | 0.00     |
| 71   | Phenanthrene               | 1.070 | 1.056 | 1.3    | 115   | 0.00     |
| 72   | Anthracene                 | 1.072 | 1.049 | 2.1    | 115   | 0.00     |
| 73   | Carbazole                  | 0.947 | 0.931 | 1.7    | 114   | 0.00     |
| 74   | Di-n-butylphthalate        | 1.200 | 1.186 | 1.2    | 115   | 0.00     |
| 75 C | Fluoranthene               | 1.096 | 1.054 | 3.8    | 114   | 0.00     |
| 76 I | Chrysene-d12               | 1.000 | 1.000 | 0.0    | 111   | 0.00     |
| 77   | Benzidine                  | 0.252 | 0.472 | -87.3# | 201#  | 0.00     |
| 78   | Pyrene                     | 1.732 | 1.832 | -5.8   | 113   | 0.00     |
| 79 S | Terphenyl-d14              | 1.236 | 1.268 | -2.6   | 111   | 0.00     |
| 80   | Butylbenzylphthalate       | 0.629 | 0.687 | -9.2   | 114   | 0.00     |
| 81   | Benzo(a)anthracene         | 1.321 | 1.329 | -0.6   | 112   | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 0.379 | 0.411 | -8.4   | 116   | 0.00     |
| 83   | Chrysene                   | 1.218 | 1.233 | -1.2   | 108   | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 0.783 | 0.849 | -8.4   | 113   | 0.00     |
| 85 c | Di-n-octyl phthalate       | 1.173 | 1.350 | -15.1  | 114   | 0.00     |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0    | 112   | 0.00     |
| 87   | Indeno(1,2,3-cd)pyrene     | 1.274 | 1.393 | -9.3   | 116   | 0.00     |
| 88   | Benzo(b)fluoranthene       | 1.362 | 1.349 | 1.0    | 115   | 0.00     |
| 89   | Benzo(k)fluoranthene       | 1.158 | 1.147 | 0.9    | 106   | 0.00     |
| 90 C | Benzo(a)pyrene             | 1.093 | 1.117 | -2.2   | 112   | 0.00     |
| 91   | Dibenzo(a,h)anthracene     | 1.040 | 1.136 | -9.2   | 115   | 0.00     |
| 92   | Benzo(g,h,i)perylene       | 1.065 | 1.171 | -10.0  | 116   | 0.00     |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF022725\  
Data File : BF141801.D  
Acq On : 27 Feb 2025 19:45  
Operator : RC/JU  
Sample : SSTDICV040  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
ICVBF022725

Quant Time: Feb 28 01:51:40 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF022725.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Feb 28 01:48:16 2025  
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 = 1

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF022725\  
 Data File : BF141801.D  
 Acq On : 27 Feb 2025 19:45  
 Operator : RC/JU  
 Sample : SSTDICV040  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 ICVBF022725

Quant Time: Feb 28 01:51:40 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF022725.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Feb 28 01:48:16 2025  
 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   | 117   | 0.00     |
| 2    | 1,4-Dioxane                 | 40.000 | 41.486 | -3.7  | 116   | 0.00     |
| 3    | Pyridine                    | 40.000 | 42.572 | -6.4  | 119   | 0.00     |
| 4    | n-Nitrosodimethylamine      | 40.000 | 43.575 | -8.9  | 119   | 0.00     |
| 5 S  | 2-Fluorophenol              | 80.000 | 82.443 | -3.1  | 117   | 0.00     |
| 6    | Aniline                     | 40.000 | 42.857 | -7.1  | 117   | 0.00     |
| 7 S  | Phenol-d6                   | 80.000 | 83.039 | -3.8  | 117   | 0.00     |
| 8    | 2-Chlorophenol              | 40.000 | 42.011 | -5.0  | 118   | 0.00     |
| 9    | Benzaldehyde                | 40.000 | 43.684 | -9.2  | 123   | 0.00     |
| 10 C | Phenol                      | 40.000 | 41.614 | -4.0  | 116   | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 40.000 | 41.763 | -4.4  | 121   | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 40.000 | 41.498 | -3.7  | 117   | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 40.000 | 41.066 | -2.7  | 116   | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 40.000 | 40.857 | -2.1  | 116   | 0.00     |
| 15   | Benzyl Alcohol              | 40.000 | 42.564 | -6.4  | 118   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 40.000 | 42.679 | -6.7  | 121   | 0.00     |
| 17   | 2-Methylphenol              | 40.000 | 42.365 | -5.9  | 119   | 0.00     |
| 18   | Hexachloroethane            | 40.000 | 42.366 | -5.9  | 117   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 40.000 | 41.525 | -3.8  | 119   | 0.00     |
| 20   | 3+4-Methylphenols           | 40.000 | 41.840 | -4.6  | 118   | 0.00     |
| 21 I | Naphthalene-d8              | 20.000 | 20.000 | 0.0   | 118   | 0.00     |
| 22   | Acetophenone                | 40.000 | 40.417 | -1.0  | 117   | 0.00     |
| 23 S | Nitrobenzene-d5             | 80.000 | 94.707 | -18.4 | 128   | 0.00     |
| 24   | Nitrobenzene                | 40.000 | 45.751 | -14.4 | 125   | 0.00     |
| 25   | Isophorone                  | 40.000 | 40.944 | -2.4  | 119   | 0.00     |
| 26 C | 2-Nitrophenol               | 40.000 | 45.447 | -13.6 | 139   | 0.00     |
| 27   | 2,4-Dimethylphenol          | 40.000 | 41.931 | -4.8  | 120   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 40.000 | 40.357 | -0.9  | 118   | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 40.000 | 42.157 | -5.4  | 119   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 40.000 | 40.757 | -1.9  | 118   | 0.00     |
| 31   | Naphthalene                 | 40.000 | 39.854 | 0.4   | 116   | 0.00     |
| 32   | Benzoic acid                | 40.000 | 45.545 | -13.9 | 144   | 0.00     |
| 33   | 4-Chloroaniline             | 40.000 | 40.096 | -0.2  | 118   | 0.00     |
| 34 C | Hexachlorobutadiene         | 40.000 | 41.042 | -2.6  | 119   | 0.00     |
| 35   | Caprolactam                 | 40.000 | 42.737 | -6.8  | 121   | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 40.000 | 41.844 | -4.6  | 120   | 0.00     |
| 37   | 2-Methylnaphthalene         | 40.000 | 39.710 | 0.7   | 117   | 0.00     |
| 38   | 1-Methylnaphthalene         | 40.000 | 39.635 | 0.9   | 116   | 0.00     |
| 39 I | Acenaphthene-d10            | 20.000 | 20.000 | 0.0   | 121   | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 40.000 | 40.086 | -0.2  | 118   | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 40.000 | 38.975 | 2.6   | 110   | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 80.000 | 84.321 | -5.4  | 120   | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 40.000 | 42.156 | -5.4  | 119   | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 40.000 | 41.806 | -4.5  | 122   | 0.00     |
| 45 S | 2-Fluorobiphenyl            | 80.000 | 75.957 | 5.1   | 115   | 0.00     |
| 46   | 1,1'-Biphenyl               | 40.000 | 38.864 | 2.8   | 117   | 0.00     |
| 47   | 2-Chloronaphthalene         | 40.000 | 39.288 | 1.8   | 117   | 0.00     |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF022725\  
 Data File : BF141801.D  
 Acq On : 27 Feb 2025 19:45  
 Operator : RC/JU  
 Sample : SSTDICV040  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 ICVBF022725

Quant Time: Feb 28 01:51:40 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF022725.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Feb 28 01:48:16 2025  
 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 | 44.684 | -11.7  | 137   | 0.00     |
| 49   | Acenaphthylene             | 40.000 | 39.907 | 0.2    | 118   | 0.00     |
| 50   | Dimethylphthalate          | 40.000 | 40.250 | -0.6   | 119   | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 40.000 | 44.292 | -10.7  | 132   | 0.00     |
| 52 C | Acenaphthene               | 40.000 | 40.488 | -1.2   | 121   | 0.00     |
| 53   | 3-Nitroaniline             | 40.000 | 43.938 | -9.8   | 130   | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 40.000 | 47.494 | -18.7  | 152   | 0.00     |
| 55   | Dibenzofuran               | 40.000 | 39.391 | 1.5    | 118   | 0.00     |
| 56 P | 4-Nitrophenol              | 40.000 | 49.725 | -24.3  | 130   | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 40.000 | 45.704 | -14.3  | 137   | 0.00     |
| 58   | Fluorene                   | 40.000 | 38.547 | 3.6    | 117   | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 42.607 | -6.5   | 122   | 0.00     |
| 60   | Diethylphthalate           | 40.000 | 39.896 | 0.3    | 117   | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 40.000 | 38.546 | 3.6    | 116   | 0.00     |
| 62   | 4-Nitroaniline             | 40.000 | 48.866 | -22.2  | 126   | 0.00     |
| 63   | Azobenzene                 | 40.000 | 40.188 | -0.5   | 119   | 0.00     |
| 64 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0    | 117   | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 40.000 | 45.441 | -13.6  | 143   | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 40.000 | 40.431 | -1.1   | 117   | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 40.000 | 40.614 | -1.5   | 117   | 0.00     |
| 68   | Hexachlorobenzene          | 40.000 | 40.697 | -1.7   | 117   | 0.00     |
| 69   | Atrazine                   | 40.000 | 38.463 | 3.8    | 114   | 0.00     |
| 70 C | Pentachlorophenol          | 40.000 | 44.032 | -10.1  | 120   | 0.00     |
| 71   | Phenanthrene               | 40.000 | 39.475 | 1.3    | 115   | 0.00     |
| 72   | Anthracene                 | 40.000 | 39.126 | 2.2    | 115   | 0.00     |
| 73   | Carbazole                  | 40.000 | 39.317 | 1.7    | 114   | 0.00     |
| 74   | Di-n-butylphthalate        | 40.000 | 39.540 | 1.2    | 115   | 0.00     |
| 75 C | Fluoranthene               | 40.000 | 38.448 | 3.9    | 114   | 0.00     |
| 76 I | Chrysene-d12               | 20.000 | 20.000 | 0.0    | 111   | 0.00     |
| 77   | Benzydine                  | 40.000 | 74.959 | -87.4# | 201   | 0.00     |
| 78   | Pyrene                     | 40.000 | 42.307 | -5.8   | 113   | 0.00     |
| 79 S | Terphenyl-d14              | 80.000 | 82.060 | -2.6   | 111   | 0.00     |
| 80   | Butylbenzylphthalate       | 40.000 | 43.655 | -9.1   | 114   | 0.00     |
| 81   | Benzo(a)anthracene         | 40.000 | 40.236 | -0.6   | 112   | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 40.000 | 43.392 | -8.5   | 116   | 0.00     |
| 83   | Chrysene                   | 40.000 | 40.491 | -1.2   | 108   | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 40.000 | 43.350 | -8.4   | 113   | 0.00     |
| 85 c | Di-n-octyl phthalate       | 40.000 | 46.033 | -15.1  | 114   | 0.00     |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0    | 112   | 0.00     |
| 87   | Indeno(1,2,3-cd)pyrene     | 40.000 | 43.754 | -9.4   | 116   | 0.00     |
| 88   | Benzo(b)fluoranthene       | 40.000 | 39.602 | 1.0    | 115   | 0.00     |
| 89   | Benzo(k)fluoranthene       | 40.000 | 39.608 | 1.0    | 106   | 0.00     |
| 90 C | Benzo(a)pyrene             | 40.000 | 40.891 | -2.2   | 112   | 0.00     |
| 91   | Dibenzo(a,h)anthracene     | 40.000 | 43.693 | -9.2   | 115   | 0.00     |
| 92   | Benzo(g,h,i)perylene       | 40.000 | 43.969 | -9.9   | 116   | 0.00     |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF022725\  
Data File : BF141801.D  
Acq On : 27 Feb 2025 19:45  
Operator : RC/JU  
Sample : SSTDICV040  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
ICVBF022725

Quant Time: Feb 28 01:51:40 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF022725.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Feb 28 01:48:16 2025  
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: GENV01

Lab Code: CHEM Case No.: Q1447 SAS No.: Q1447 SDG No.: Q1447

Instrument ID: BNA\_F Calibration Date/Time: 03/03/2025 14:16

Lab File ID: BF141811.D Init. Calib. Date(s): 02/27/2025 02/27/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 15:17 18:45

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

| COMPOUND                    | RRF   | RRF040 | MIN<br>RRF | %D    | MAX%D |
|-----------------------------|-------|--------|------------|-------|-------|
| 2-Fluorophenol              | 1.252 | 1.206  |            | -3.7  |       |
| Benzaldehyde                | 0.948 | 0.816  |            | -13.9 |       |
| Phenol-d6                   | 1.630 | 1.561  |            | -4.2  |       |
| Phenol                      | 1.742 | 1.675  |            | -3.8  | 20.0  |
| bis(2-Chloroethyl)ether     | 1.328 | 1.295  |            | -2.5  |       |
| 2-Chlorophenol              | 1.355 | 1.309  |            | -3.4  |       |
| 2-Methylphenol              | 1.118 | 1.084  |            | -3.0  |       |
| 2,2-oxybis(1-Chloropropane) | 2.016 | 1.972  |            | -2.2  |       |
| Acetophenone                | 0.487 | 0.481  |            | -1.2  |       |
| 3+4-Methylphenols           | 1.392 | 1.327  |            | -4.7  |       |
| n-Nitroso-di-n-propylamine  | 1.072 | 1.002  | 0.050      | -6.5  |       |
| Nitrobenzene-d5             | 0.313 | 0.341  |            | 8.9   |       |
| Hexachloroethane            | 0.547 | 0.527  |            | -3.7  |       |
| Nitrobenzene                | 0.335 | 0.356  |            | 6.3   |       |
| Isophorone                  | 0.672 | 0.654  |            | -2.7  |       |
| 2-Nitrophenol               | 0.127 | 0.137  |            | 7.9   | 20.0  |
| 2,4-Dimethylphenol          | 0.247 | 0.244  |            | -1.2  |       |
| bis(2-Chloroethoxy)methane  | 0.429 | 0.420  |            | -2.1  |       |
| 2,4-Dichlorophenol          | 0.285 | 0.286  |            | 0.4   | 20.0  |
| Naphthalene                 | 1.028 | 1.010  |            | -1.8  |       |
| 4-Chloroaniline             | 0.377 | 0.368  |            | -2.4  |       |
| Hexachlorobutadiene         | 0.194 | 0.194  |            | 0.0   | 20.0  |
| Caprolactam                 | 0.088 | 0.088  |            | 0.0   |       |
| 4-Chloro-3-methylphenol     | 0.317 | 0.311  |            | -1.9  | 20.0  |
| 2-Methylnaphthalene         | 0.674 | 0.657  |            | -2.5  |       |
| Hexachlorocyclopentadiene   | 0.241 | 0.235  | 0.050      | -2.5  |       |
| 2,4,6-Trichlorophenol       | 0.373 | 0.367  |            | -1.6  | 20.0  |
| 2-Fluorobiphenyl            | 1.247 | 1.214  |            | -2.6  |       |
| 2,4,5-Trichlorophenol       | 0.369 | 0.391  |            | 6.0   |       |
| 1,1-Biphenyl                | 1.522 | 1.522  |            | 0.0   |       |
| 2-Chloronaphthalene         | 1.124 | 1.134  |            | 0.9   |       |
| 2-Nitroaniline              | 0.260 | 0.310  |            | 19.2  |       |
| Dimethylphthalate           | 1.339 | 1.335  |            | -0.3  |       |
| Acenaphthylene              | 1.685 | 1.682  |            | -0.2  |       |
| 2,6-Dinitrotoluene          | 0.226 | 0.259  |            | 14.6  |       |
| 3-Nitroaniline              | 0.241 | 0.276  |            | 14.5  |       |
| Acenaphthene                | 1.137 | 1.136  |            | -0.1  | 20.0  |
| 2,4-Dinitrophenol           | 0.089 | 0.096  | 0.050      | 7.9   |       |
| 4-Nitrophenol               | 0.198 | 0.219  | 0.050      | 10.6  |       |



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

7C

## SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1447 SAS No.: Q1447 SDG No.: Q1447

Instrument ID: BNA\_F Calibration Date/Time: 03/03/2025 14:16

Lab File ID: BF141811.D Init. Calib. Date(s): 02/27/2025 02/27/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 15:17 18:45

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

| COMPOUND                   | RRF   | RRF040 | MIN<br>RRF | %D   | MAX%D |
|----------------------------|-------|--------|------------|------|-------|
| Dibenzofuran               | 1.654 | 1.635  |            | -1.1 |       |
| 2,4-Dinitrotoluene         | 0.269 | 0.324  |            | 20.4 |       |
| Diethylphthalate           | 1.343 | 1.344  |            | 0.1  |       |
| 4-Chlorophenyl-phenylether | 0.621 | 0.606  |            | -2.4 |       |
| Fluorene                   | 1.239 | 1.208  |            | -2.5 |       |
| 4-Nitroaniline             | 0.229 | 0.271  |            | 18.3 |       |
| 4,6-Dinitro-2-methylphenol | 0.081 | 0.087  |            | 7.4  |       |
| n-Nitrosodiphenylamine     | 0.657 | 0.650  |            | -1.1 | 20.0  |
| 2,4,6-Tribromophenol       | 0.188 | 0.187  |            | -0.5 |       |
| 4-Bromophenyl-phenylether  | 0.234 | 0.236  |            | 0.9  |       |
| Hexachlorobenzene          | 0.247 | 0.249  |            | 0.8  |       |
| Atrazine                   | 0.181 | 0.169  |            | -6.6 |       |
| Pentachlorophenol          | 0.156 | 0.160  |            | 2.6  | 20.0  |
| Phenanthrene               | 1.070 | 1.067  |            | -0.3 |       |
| Anthracene                 | 1.072 | 1.051  |            | -2.0 |       |
| Carbazole                  | 0.947 | 0.935  |            | -1.3 |       |
| Di-n-butylphthalate        | 1.200 | 1.195  |            | -0.4 |       |
| Fluoranthene               | 1.096 | 1.069  |            | -2.5 | 20.0  |
| Pyrene                     | 1.732 | 1.812  |            | 4.6  |       |
| Terphenyl-d14              | 1.236 | 1.265  |            | 2.3  |       |
| Butylbenzylphthalate       | 0.629 | 0.673  |            | 7.0  |       |
| 3,3-Dichlorobenzidine      | 0.379 | 0.383  |            | 1.1  |       |
| Benzo (a) anthracene       | 1.321 | 1.300  |            | -1.6 |       |
| Chrysene                   | 1.218 | 1.182  |            | -3.0 |       |
| Bis(2-ethylhexyl)phthalate | 0.783 | 0.875  |            | 11.8 |       |
| Di-n-octyl phthalate       | 1.173 | 1.201  |            | 2.4  | 20.0  |
| Benzo (b) fluoranthene     | 1.362 | 1.429  |            | 4.9  |       |
| Benzo (k) fluoranthene     | 1.158 | 1.071  |            | -7.5 |       |
| Benzo (a) pyrene           | 1.093 | 1.088  |            | -0.5 | 20.0  |
| Indeno (1,2,3-cd) pyrene   | 1.274 | 1.319  |            | 3.5  |       |
| Dibenzo (a,h) anthracene   | 1.040 | 1.095  |            | 5.3  |       |
| Benzo (g,h,i) perylene     | 1.065 | 1.113  |            | 4.5  |       |
| 1,2,4,5-Tetrachlorobenzene | 0.578 | 0.577  |            | -0.2 |       |
| 1,4-Dioxane                | 0.568 | 0.571  |            | 0.5  | 20.0  |
| 2,3,4,6-Tetrachlorophenol  | 0.321 | 0.333  |            | 3.7  |       |

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF030325\  
 Data File : BF141811.D  
 Acq On : 03 Mar 2025 14:16  
 Operator : RC/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDCCC040

Quant Time: Mar 03 15:34:23 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF022725.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Feb 28 01:48:16 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.887  | 152  | 333117   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.169  | 136  | 1275842  | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.928  | 164  | 681541   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.410 | 188  | 1117998  | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 14.045 | 240  | 663447   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12              | 15.515 | 264  | 550070   | 20.000 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.498  | 112  | 1606575  | 77.020 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.510  | 99   | 2080320  | 76.623 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.451  | 82   | 1742007  | 87.275 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.716 | 330  | 510606   | 79.802 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.245  | 172  | 3309900  | 77.871 | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.992 | 244  | 3357923  | 81.888 | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.693  | 88   | 380401   | 40.191 | ng    | 100      |
| 3) Pyridine                   | 3.451  | 79   | 936261   | 39.758 | ng    | 99       |
| 4) n-Nitrosodimethylamine     | 3.410  | 42   | 462198   | 40.791 | ng    | 97       |
| 6) Aniline                    | 6.551  | 93   | 1087753  | 38.537 | ng    | 100      |
| 8) 2-Chlorophenol             | 6.675  | 128  | 871855   | 38.638 | ng    | 98       |
| 9) Benzaldehyde               | 6.440  | 77   | 543505   | 34.415 | ng    | 100      |
| 10) Phenol                    | 6.522  | 94   | 1115999  | 38.467 | ng    | 98       |
| 11) bis(2-Chloroethyl)ether   | 6.622  | 93   | 862702   | 39.010 | ng    | 99       |
| 12) 1,3-Dichlorobenzene       | 6.828  | 146  | 947471   | 39.209 | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 6.904  | 146  | 952610   | 39.124 | ng    | 100      |
| 14) 1,2-Dichlorobenzene       | 7.063  | 146  | 882292   | 38.805 | ng    | 99       |
| 15) Benzyl Alcohol            | 7.022  | 79   | 826687   | 38.099 | ng    | 100      |
| 16) 2,2'-oxybis(1-Chloropr... | 7.163  | 45   | 1313544  | 39.111 | ng    | 99       |
| 17) 2-Methylphenol            | 7.128  | 107  | 722047   | 38.767 | ng    | 99       |
| 18) Hexachloroethane          | 7.404  | 117  | 351046   | 38.521 | ng    | 98       |
| 19) n-Nitroso-di-n-propyla... | 7.304  | 70   | 667446   | 37.397 | ng    | 99       |
| 20) 3+4-Methylphenols         | 7.287  | 107  | 884098   | 38.120 | ng    | 93       |
| 22) Acetophenone              | 7.298  | 105  | 1227307  | 39.497 | ng    | 98       |
| 24) Nitrobenzene              | 7.469  | 77   | 909529   | 42.553 | ng    | 98       |
| 25) Isophorone                | 7.710  | 82   | 1669719  | 38.938 | ng    | 99       |
| 26) 2-Nitrophenol             | 7.786  | 139  | 350206   | 37.751 | ng    | 98       |
| 27) 2,4-Dimethylphenol        | 7.816  | 122  | 622034   | 39.462 | ng    | 99       |
| 28) bis(2-Chloroethoxy)met... | 7.916  | 93   | 1072963  | 39.225 | ng    | 100      |
| 29) 2,4-Dichlorophenol        | 8.022  | 162  | 729173   | 40.098 | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 8.110  | 180  | 796334   | 39.964 | ng    | 99       |
| 31) Naphthalene               | 8.192  | 128  | 2577208  | 39.303 | ng    | 100      |
| 32) Benzoic acid              | 7.928  | 122  | 470459   | 37.721 | ng    | 99       |
| 33) 4-Chloroaniline           | 8.239  | 127  | 939425   | 39.072 | ng    | 100      |
| 34) Hexachlorobutadiene       | 8.310  | 225  | 496196   | 40.073 | ng    | 98       |
| 35) Caprolactam               | 8.610  | 113  | 224556   | 40.141 | ng    | 100      |
| 36) 4-Chloro-3-methylphenol   | 8.710  | 107  | 792497   | 39.231 | ng    | 98       |
| 37) 2-Methylnaphthalene       | 8.881  | 142  | 1677110  | 38.993 | ng    | 100      |
| 38) 1-Methylnaphthalene       | 8.981  | 142  | 1619174  | 39.234 | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 9.045  | 216  | 786375   | 39.951 | ng    | 100      |
| 41) Hexachlorocyclopentadiene | 9.033  | 237  | 320767   | 39.049 | ng    | 100      |
| 43) 2,4,6-Trichlorophenol     | 9.151  | 196  | 500423   | 39.357 | ng    | 100      |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF030325\  
 Data File : BF141811.D  
 Acq On : 03 Mar 2025 14:16  
 Operator : RC/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDCCC040

Quant Time: Mar 03 15:34:23 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF022725.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Feb 28 01:48:16 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.192  | 196  | 533229   | 42.351 | ng    | 99       |
| 46) 1,1'-Biphenyl             | 9.345  | 154  | 2074425  | 39.988 | ng    | 99       |
| 47) 2-Chloronaphthalene       | 9.369  | 162  | 1545705  | 40.370 | ng    | 100      |
| 48) 2-Nitroaniline            | 9.463  | 65   | 422129   | 40.975 | ng    | 98       |
| 49) Acenaphthylene            | 9.786  | 152  | 2292782  | 39.939 | ng    | 100      |
| 50) Dimethylphthalate         | 9.645  | 163  | 1819644  | 39.868 | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 9.704  | 165  | 352780   | 40.852 | ng    | 98       |
| 52) Acenaphthene              | 9.957  | 154  | 1548970  | 39.989 | ng    | 100      |
| 53) 3-Nitroaniline            | 9.875  | 138  | 375561   | 40.852 | ng    | 99       |
| 54) 2,4-Dinitrophenol         | 9.975  | 184  | 131005   | 40.966 | ng    | # 34     |
| 55) Dibenzofuran              | 10.133 | 168  | 2228045  | 39.519 | ng    | 99       |
| 56) 4-Nitrophenol             | 10.016 | 139  | 298813   | 44.328 | ng    | 99       |
| 57) 2,4-Dinitrotoluene        | 10.104 | 165  | 441287   | 41.865 | ng    | 98       |
| 58) Fluorene                  | 10.475 | 166  | 1646123  | 38.979 | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol | 10.245 | 232  | 454326   | 41.490 | ng    | 99       |
| 60) Diethylphthalate          | 10.345 | 149  | 1832531  | 40.051 | ng    | 100      |
| 61) 4-Chlorophenyl-phenyle... | 10.469 | 204  | 826460   | 39.059 | ng    | 99       |
| 62) 4-Nitroaniline            | 10.486 | 138  | 369922   | 47.460 | ng    | 98       |
| 63) Azobenzene                | 10.627 | 77   | 1918377  | 39.820 | ng    | 99       |
| 65) 4,6-Dinitro-2-methylph... | 10.516 | 198  | 195072   | 38.906 | ng    | 95       |
| 66) n-Nitrosodiphenylamine    | 10.580 | 169  | 1453388  | 39.590 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 10.957 | 248  | 527482   | 40.393 | ng    | 99       |
| 68) Hexachlorobenzene         | 11.022 | 284  | 556270   | 40.340 | ng    | 98       |
| 69) Atrazine                  | 11.104 | 200  | 378254   | 37.468 | ng    | 99       |
| 70) Pentachlorophenol         | 11.210 | 266  | 357011   | 40.821 | ng    | 99       |
| 71) Phenanthrene              | 11.433 | 178  | 2384850  | 39.879 | ng    | 99       |
| 72) Anthracene                | 11.486 | 178  | 2350089  | 39.211 | ng    | 100      |
| 73) Carbazole                 | 11.639 | 167  | 2089718  | 39.483 | ng    | 100      |
| 74) Di-n-butylphthalate       | 11.974 | 149  | 2672412  | 39.834 | ng    | 100      |
| 75) Fluoranthene              | 12.621 | 202  | 2391153  | 39.022 | ng    | 100      |
| 77) Benzidine                 | 12.739 | 184  | 601200   | 71.996 | ng    | 99       |
| 78) Pyrene                    | 12.851 | 202  | 2404003  | 41.845 | ng    | 100      |
| 80) Butylbenzylphthalate      | 13.468 | 149  | 893316   | 42.798 | ng    | 99       |
| 81) Benzo(a)anthracene        | 14.039 | 228  | 1724858  | 39.361 | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine    | 13.998 | 252  | 508249   | 40.425 | ng    | 99       |
| 83) Chrysene                  | 14.074 | 228  | 1568254  | 38.822 | ng    | 100      |
| 84) Bis(2-ethylhexyl)phtha... | 14.027 | 149  | 1160504  | 44.652 | ng    | 100      |
| 85) Di-n-octyl phthalate      | 14.645 | 149  | 1593758  | 40.960 | ng    | 99       |
| 87) Indeno(1,2,3-cd)pyrene    | 17.009 | 276  | 1451423  | 41.438 | ng    | 100      |
| 88) Benzo(b)fluoranthene      | 15.086 | 252  | 1571815  | 41.949 | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 15.115 | 252  | 1178221  | 36.996 | ng    | 100      |
| 90) Benzo(a)pyrene            | 15.457 | 252  | 1197380  | 39.847 | ng    | 100      |
| 91) Dibenzo(a,h)anthracene    | 17.027 | 278  | 1204833  | 42.140 | ng    | 100      |
| 92) Benzo(g,h,i)perylene      | 17.462 | 276  | 1224009  | 41.789 | ng    | 99       |

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



**Instrument :**  
BNA\_F  
**ClientSampleId :**  
SSTDCCC040

Abundance

TIC: BF141811.D\data.ms

Time-->

1,4-Dioxane

n-Nitrosodimethylaniline

2-Fluorophenol,S

Phenol-d6,S

Phenol,G

Bis(2-chloroethyl) ether

1,3-Dichlorobenzene

1,4-Dichlorobenzene

2,2'-oxybis[2-methylpropylene]

Hexachlorobenzene

Nitrobenzene-d5,S

Nitrobenzene

2-Nitrophenol,C

2,4-Dimethylphenol,C

2,4-Dichlorophenol,C

2,4-Dichlorobenzene

Naphthalene

Hexachlorobutadiene,C

Caprolactam

4-Chloro-3-methylphenol,C

2,4,6-Trichlorophenol,C

2,4,6-Trichlorobenzene

2-Nitroaniline

2,6-Dinitrotoluene

3-Nitrophenol,C

4-Nitrophenol,C

2,3,4,6-Tetrachlorobenzene

4-Nitroaniline

4,6-Dinitro-2-methylphenol

4-Nitrophenyl-phenylether

Avazile

Hexachlorophenol,C

Phenanthrene-d10,I

Carbazole

Di-n-butylphthalate

Benzidine

Fluoranthene,C

Pyrene

Terphenyl-d14,S

3,3'-Dichlorobenzidine

Chrysene-d12,I

Di-n-octyl phthalate,C

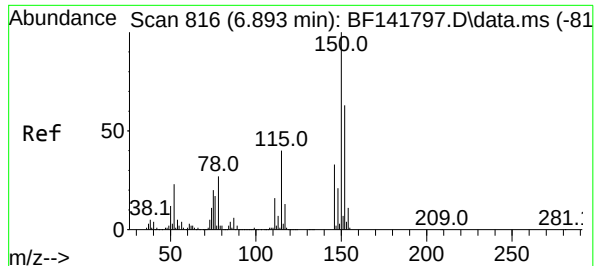
Benzo(a)pyrene

Perylene-d12,I

Benzo(a)pyrene,C

Indeno(1,2,3-cd)pyrene

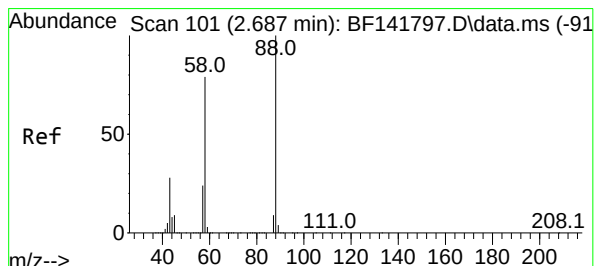
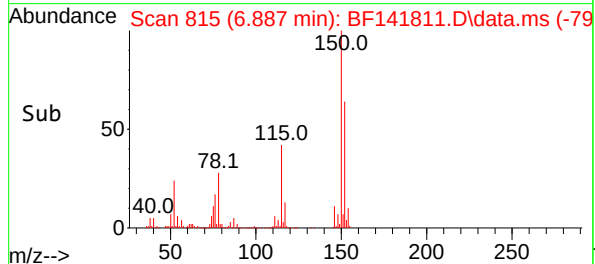
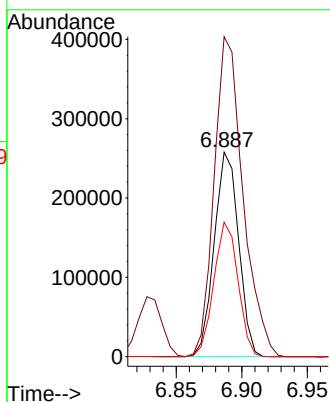
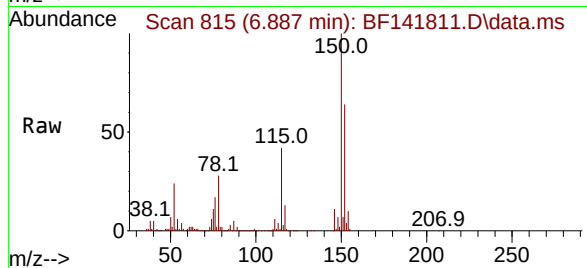
Benzo(g,h,i)perylene



#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.887 min Scan# 81  
 Delta R.T. -0.006 min  
 Lab File: BF141811.D  
 Acq: 03 Mar 2025 14:16

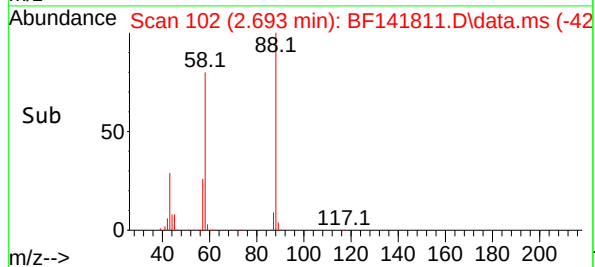
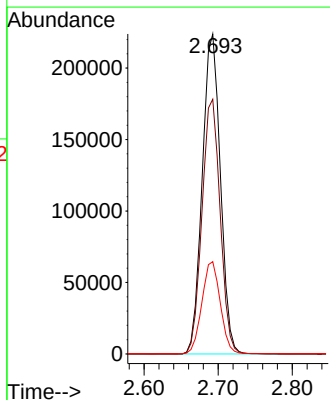
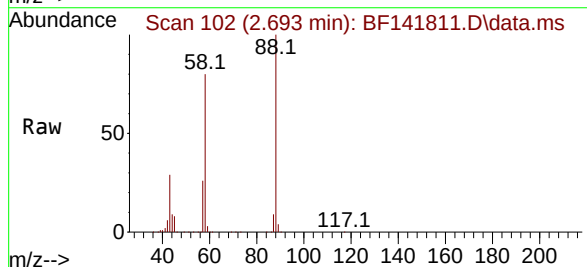
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDCCC040

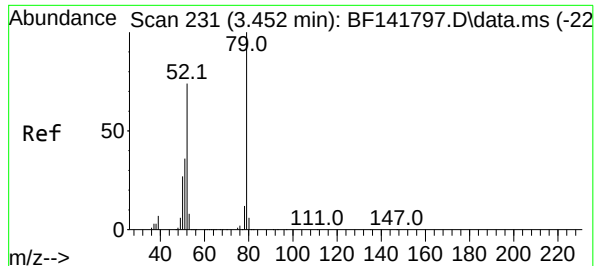
Tgt Ion:152 Resp: 333117  
 Ion Ratio Lower Upper  
 152 100  
 150 156.4 127.5 191.3  
 115 65.8 51.4 77.2



#2  
 1,4-Dioxane  
 Concen: 40.191 ng  
 RT: 2.693 min Scan# 102  
 Delta R.T. 0.006 min  
 Lab File: BF141811.D  
 Acq: 03 Mar 2025 14:16

Tgt Ion: 88 Resp: 380401  
 Ion Ratio Lower Upper  
 88 100  
 58 79.8 63.9 95.9  
 43 29.1 23.0 34.6





#3

Pyridine

Concen: 39.758 ng

RT: 3.451 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF141811.D

Acq: 03 Mar 2025 14:16

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

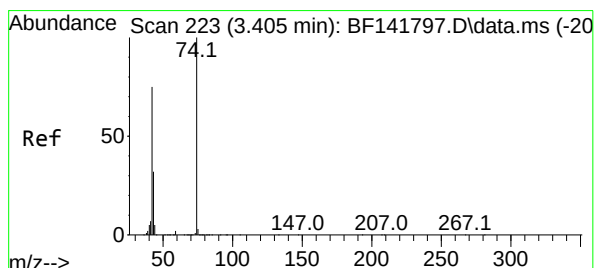
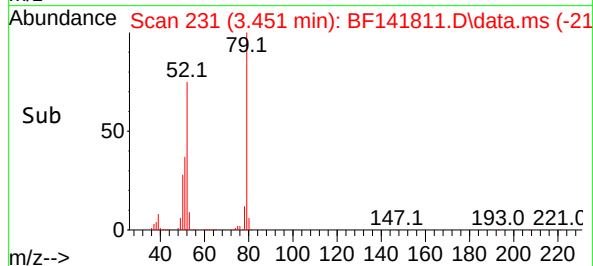
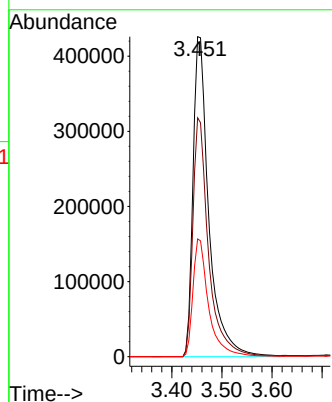
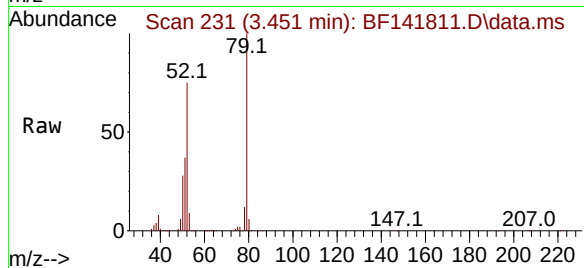
Tgt Ion: 79 Resp: 936261

Ion Ratio Lower Upper

79 100

52 74.7 59.0 88.4

51 36.8 29.0 43.4



#4

n-Nitrosodimethylamine

Concen: 40.791 ng

RT: 3.410 min Scan# 224

Delta R.T. 0.006 min

Lab File: BF141811.D

Acq: 03 Mar 2025 14:16

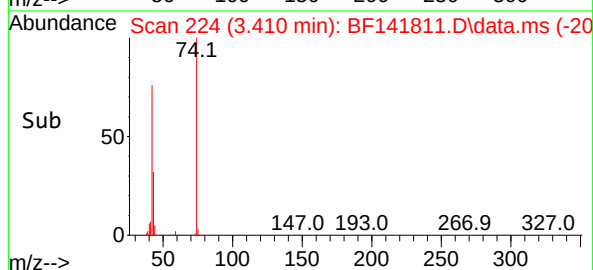
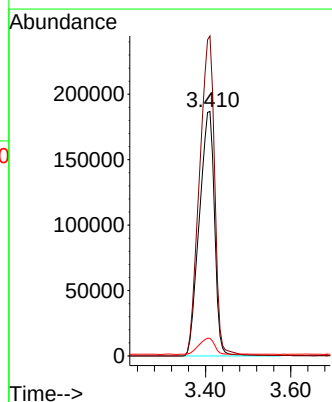
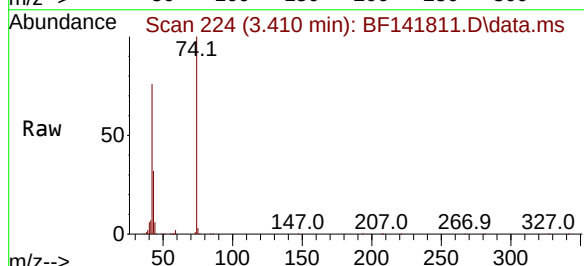
Tgt Ion: 42 Resp: 462198

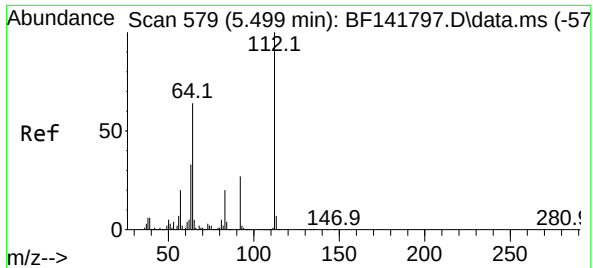
Ion Ratio Lower Upper

42 100

74 130.9 107.1 160.7

44 7.2 6.6 9.8

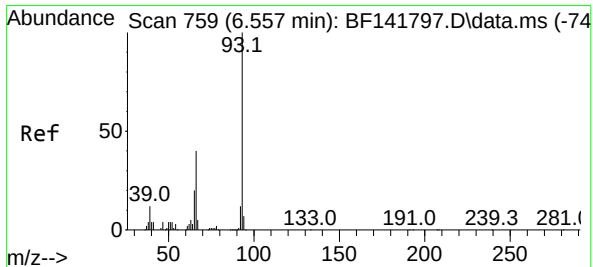
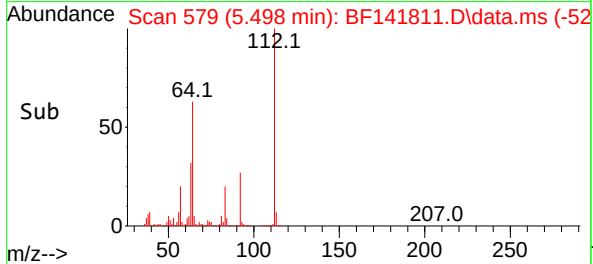
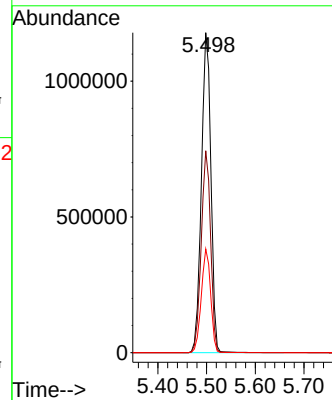
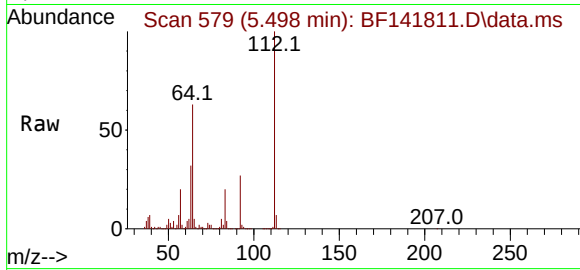




#5  
2-Fluorophenol  
Concen: 77.020 ng  
RT: 5.498 min Scan# 51  
Delta R.T. -0.000 min  
Lab File: BF141811.D  
Acq: 03 Mar 2025 14:16

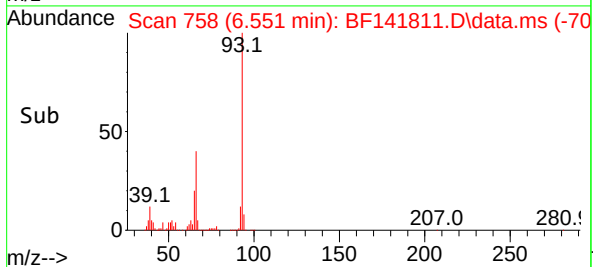
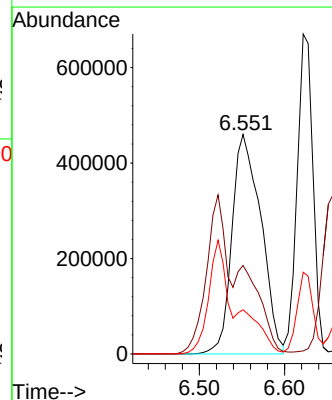
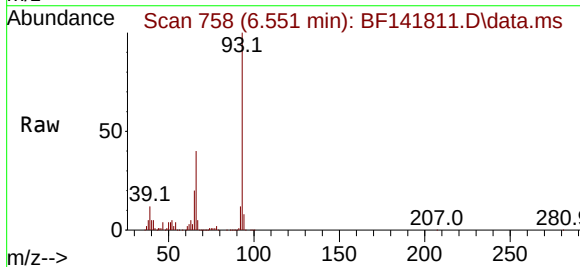
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

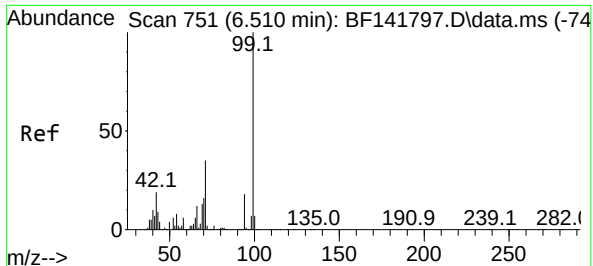
Tgt Ion:112 Resp: 1606575  
Ion Ratio Lower Upper  
112 100  
64 63.1 51.3 76.9  
63 32.4 26.2 39.4



#6  
Aniline  
Concen: 38.537 ng  
RT: 6.551 min Scan# 758  
Delta R.T. -0.006 min  
Lab File: BF141811.D  
Acq: 03 Mar 2025 14:16

Tgt Ion: 93 Resp: 1087753  
Ion Ratio Lower Upper  
93 100  
66 40.3 32.3 48.5  
65 20.1 15.9 23.9

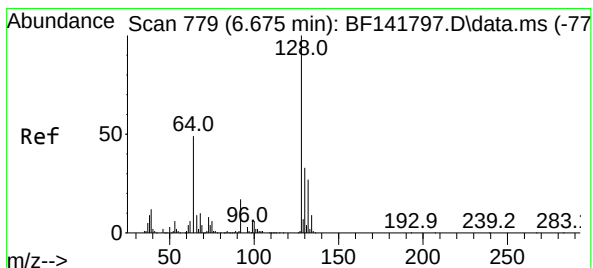
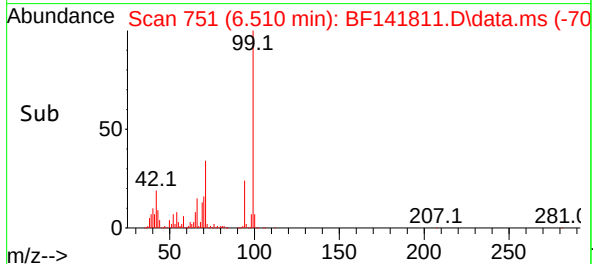
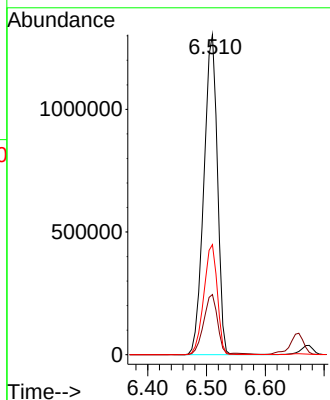
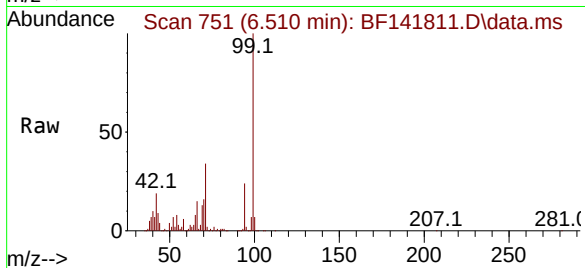




#7  
Phenol-d6  
Concen: 76.623 ng  
RT: 6.510 min Scan# 751  
Delta R.T. -0.000 min  
Lab File: BF141811.D  
Acq: 03 Mar 2025 14:16

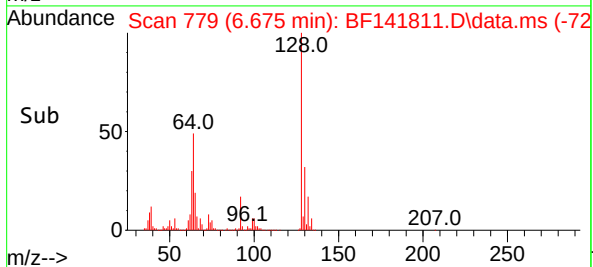
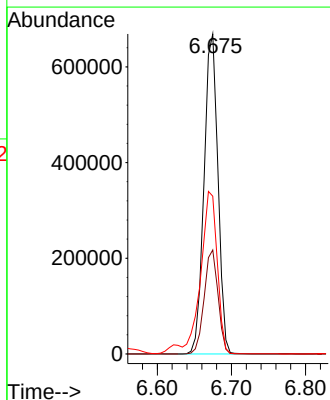
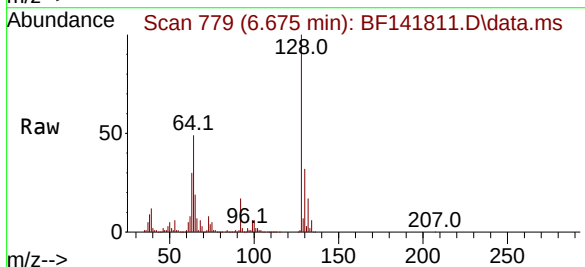
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

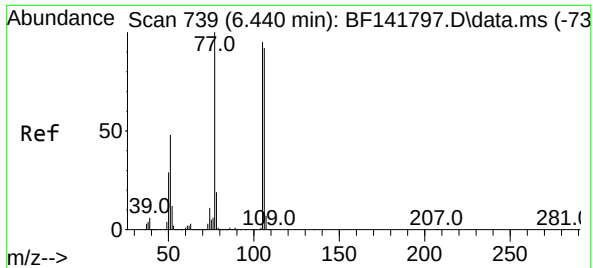
Tgt Ion: 99 Resp: 2080320  
Ion Ratio Lower Upper  
99 100  
42 18.8 15.2 22.8  
71 34.4 28.2 42.2



#8  
2-Chlorophenol  
Concen: 38.638 ng  
RT: 6.675 min Scan# 779  
Delta R.T. -0.000 min  
Lab File: BF141811.D  
Acq: 03 Mar 2025 14:16

Tgt Ion: 128 Resp: 871855  
Ion Ratio Lower Upper  
128 100  
130 32.5 12.6 52.6  
64 49.3 31.1 71.1

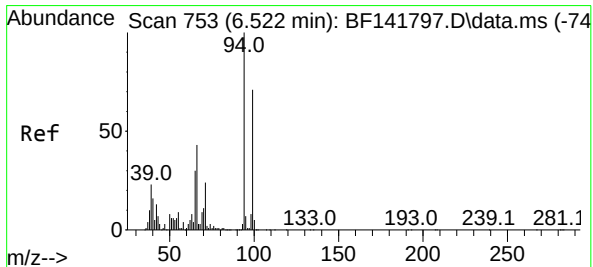
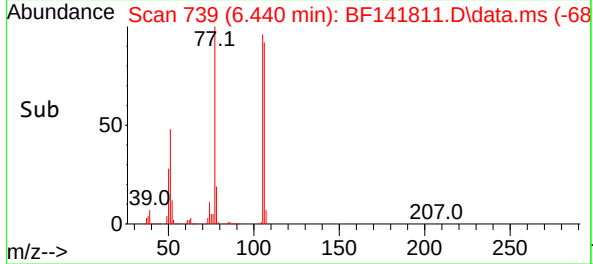
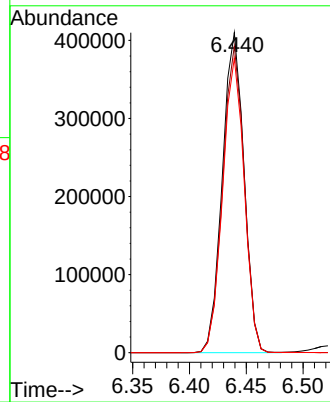
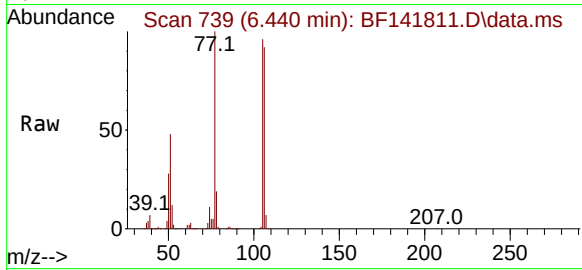




#9  
Benzaldehyde  
Concen: 34.415 ng  
RT: 6.440 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: BF141811.D  
Acq: 03 Mar 2025 14:16

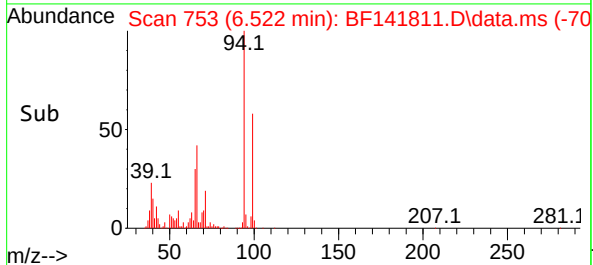
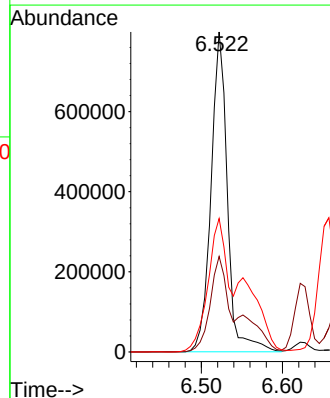
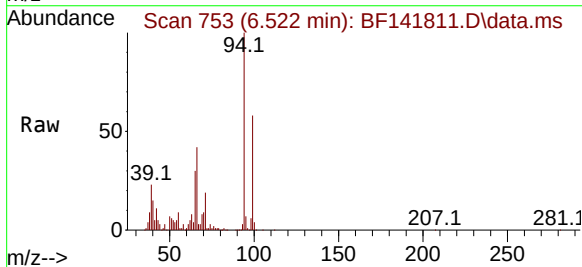
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

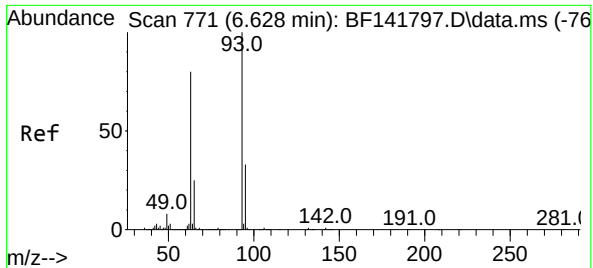
Tgt Ion: 77 Resp: 543505  
Ion Ratio Lower Upper  
77 100  
105 95.8 75.3 115.3  
106 92.0 72.3 112.3



#10  
Phenol  
Concen: 38.467 ng  
RT: 6.522 min Scan# 753  
Delta R.T. -0.000 min  
Lab File: BF141811.D  
Acq: 03 Mar 2025 14:16

Tgt Ion: 94 Resp: 1115999  
Ion Ratio Lower Upper  
94 100  
65 29.9 10.2 50.2  
66 41.7 23.2 63.2

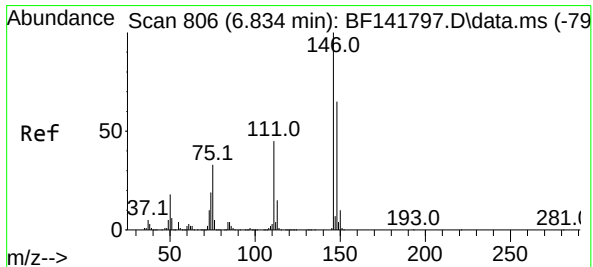
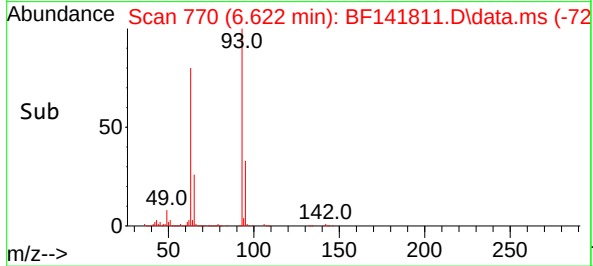
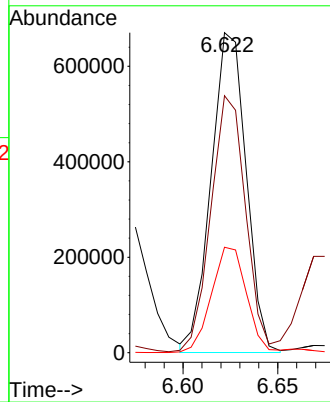
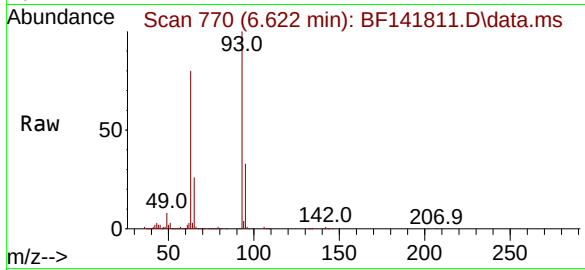




#11  
bis(2-Chloroethyl)ether  
Concen: 39.010 ng  
RT: 6.622 min Scan# 771  
Delta R.T. -0.006 min  
Lab File: BF141811.D  
Acq: 03 Mar 2025 14:16

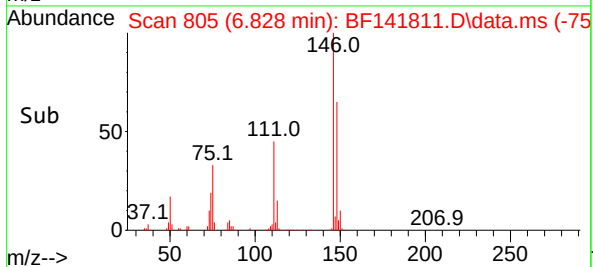
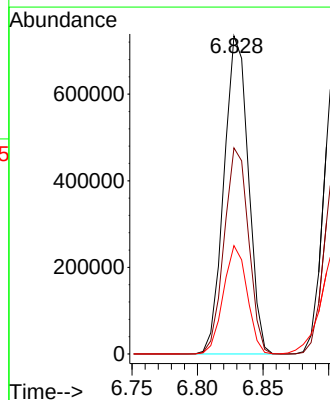
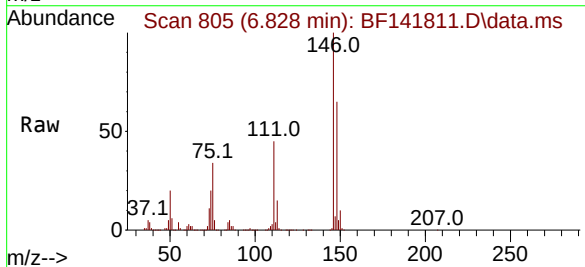
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

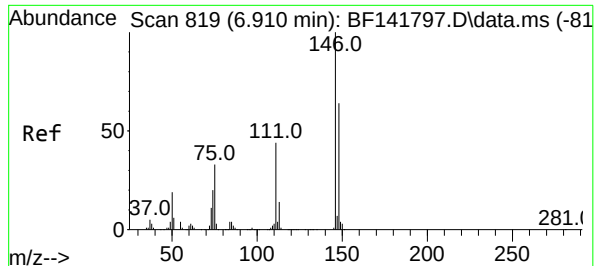
Tgt Ion: 93 Resp: 862702  
Ion Ratio Lower Upper  
93 100  
63 80.3 59.3 99.3  
95 32.9 13.2 53.2



#12  
1,3-Dichlorobenzene  
Concen: 39.209 ng  
RT: 6.828 min Scan# 805  
Delta R.T. -0.006 min  
Lab File: BF141811.D  
Acq: 03 Mar 2025 14:16

Tgt Ion: 146 Resp: 947471  
Ion Ratio Lower Upper  
146 100  
148 64.8 51.8 77.6  
75 34.1 26.2 39.4





#13

1,4-Dichlorobenzene

Concen: 39.124 ng

RT: 6.904 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF141811.D

Acq: 03 Mar 2025 14:16

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

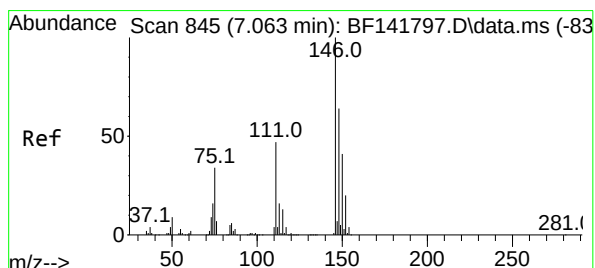
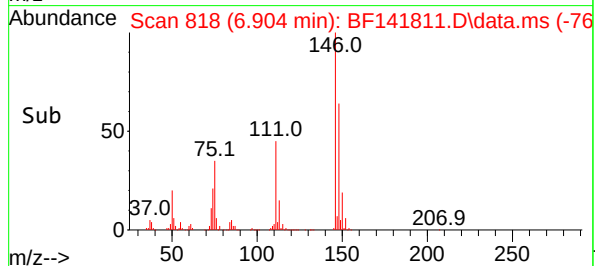
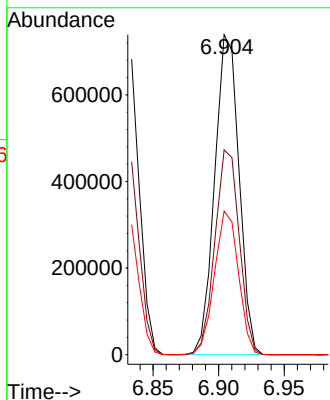
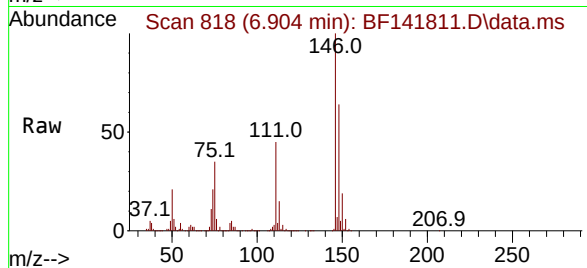
Tgt Ion:146 Resp: 952610

Ion Ratio Lower Upper

146 100

148 64.0 51.4 77.2

111 44.9 35.5 53.3



#14

1,2-Dichlorobenzene

Concen: 38.805 ng

RT: 7.063 min Scan# 845

Delta R.T. -0.000 min

Lab File: BF141811.D

Acq: 03 Mar 2025 14:16

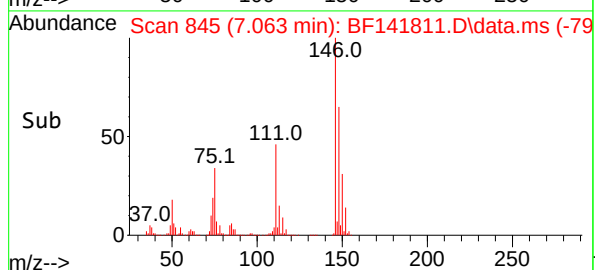
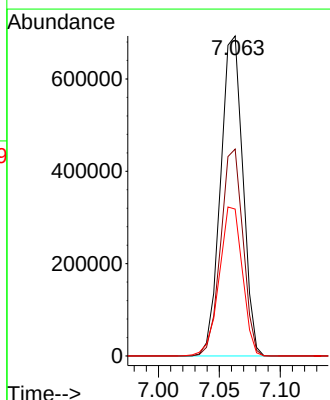
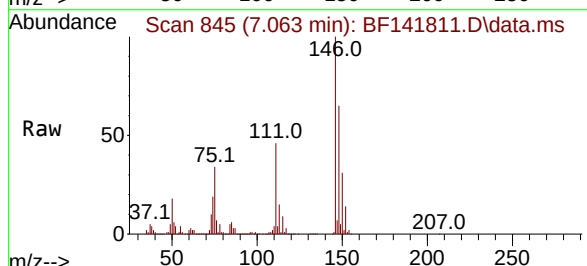
Tgt Ion:146 Resp: 882292

Ion Ratio Lower Upper

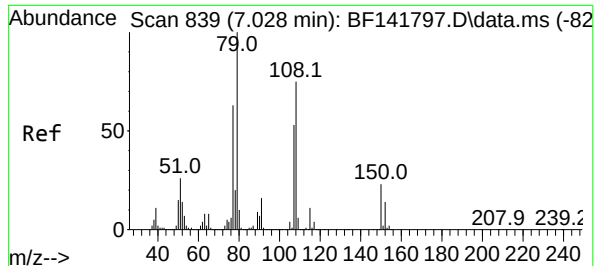
146 100

148 64.7 51.2 76.8

111 45.9 37.8 56.6







#15

Benzyl Alcohol

Concen: 38.099 ng

RT: 7.022 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF141811.D

Acq: 03 Mar 2025 14:16

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

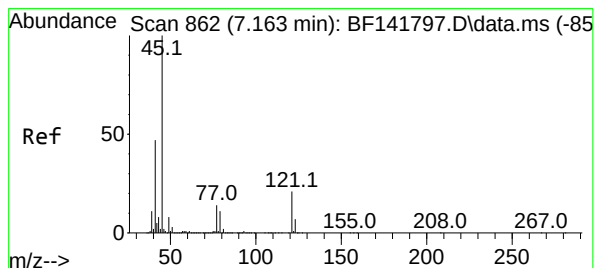
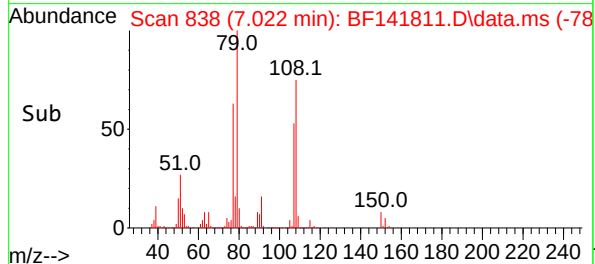
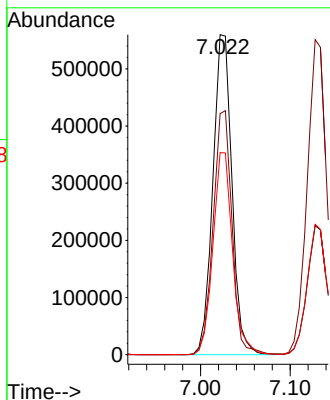
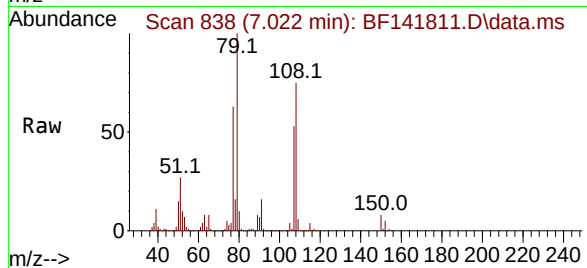
Tgt Ion: 79 Resp: 826687

Ion Ratio Lower Upper

79 100

108 75.3 60.2 90.2

77 63.1 50.2 75.2



#16

2,2'-oxybis(1-Chloropropane)

Concen: 39.111 ng

RT: 7.163 min Scan# 862

Delta R.T. -0.000 min

Lab File: BF141811.D

Acq: 03 Mar 2025 14:16

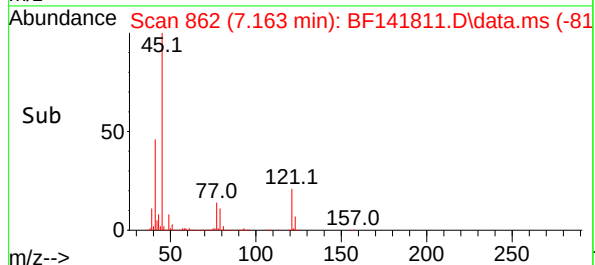
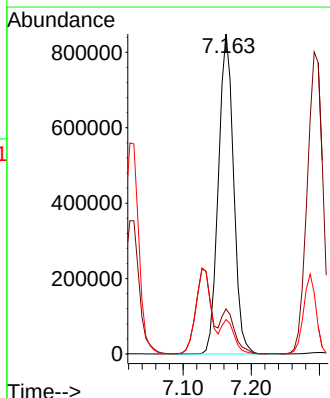
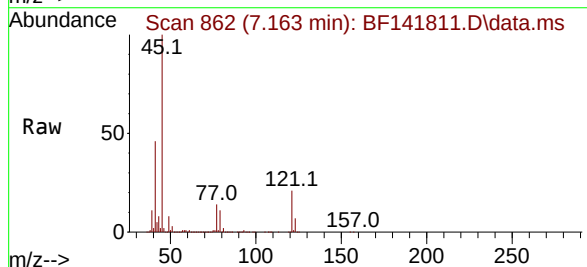
Tgt Ion: 45 Resp: 1313544

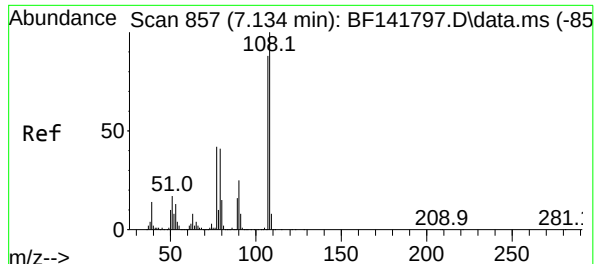
Ion Ratio Lower Upper

45 100

77 14.0 0.0 34.4

79 10.7 0.0 30.9

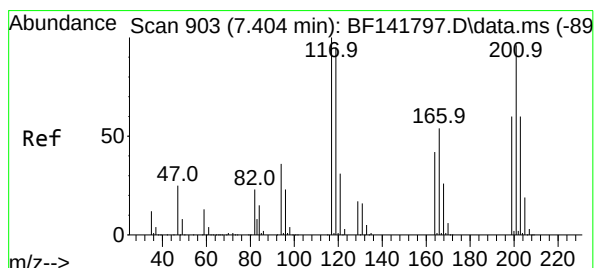
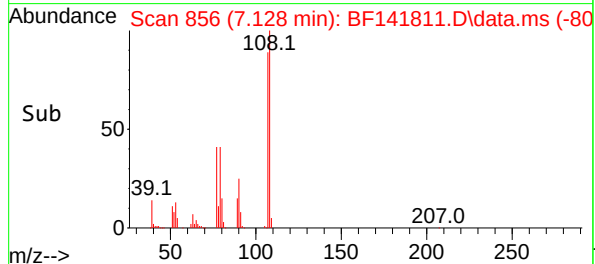
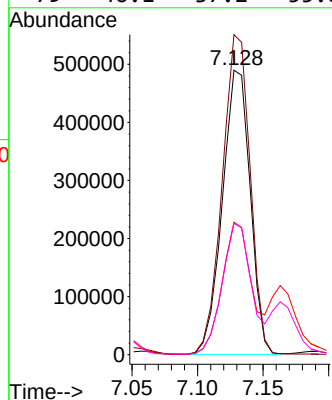
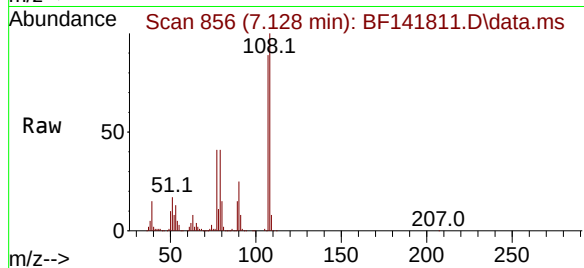




#17  
2-Methylphenol  
Concen: 38.767 ng  
RT: 7.128 min Scan# 856  
Delta R.T. -0.006 min  
Lab File: BF141811.D  
Acq: 03 Mar 2025 14:16

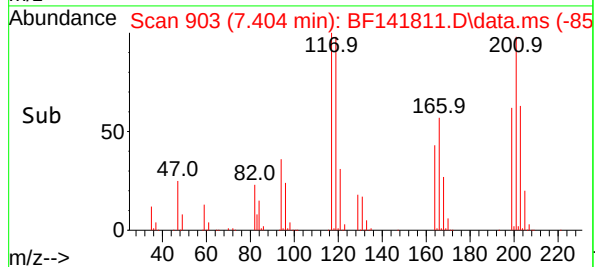
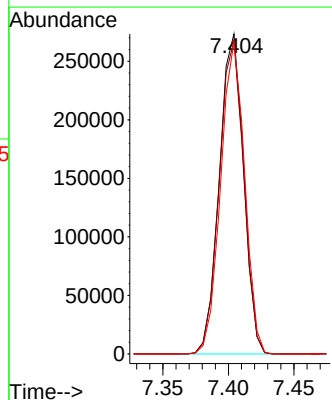
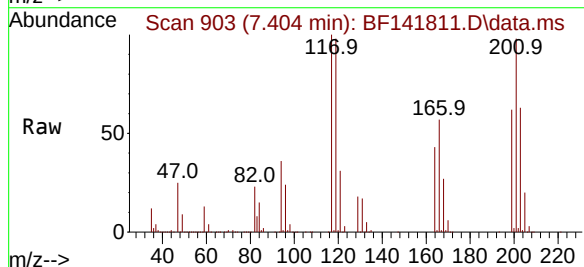
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

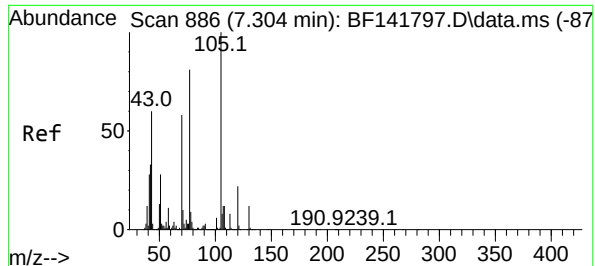
Tgt Ion:107 Resp: 722047  
Ion Ratio Lower Upper  
107 100  
108 112.5 90.6 135.8  
77 46.6 37.7 56.5  
79 46.1 37.2 55.8



#18  
Hexachloroethane  
Concen: 38.521 ng  
RT: 7.404 min Scan# 903  
Delta R.T. -0.000 min  
Lab File: BF141811.D  
Acq: 03 Mar 2025 14:16

Tgt Ion:117 Resp: 351046  
Ion Ratio Lower Upper  
117 100  
119 97.8 75.8 113.8  
201 97.6 76.7 115.1





#19

n-Nitroso-di-n-propylamine

Concen: 37.397 ng

RT: 7.304 min Scan# 886

Delta R.T. -0.000 min

Lab File: BF141811.D

Acq: 03 Mar 2025 14:16

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 70 Resp: 667446

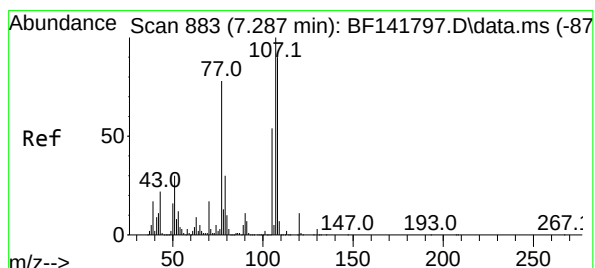
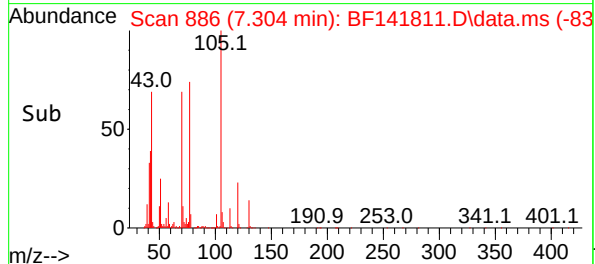
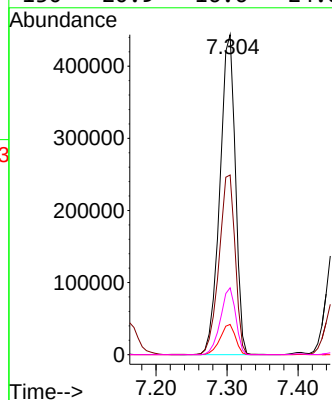
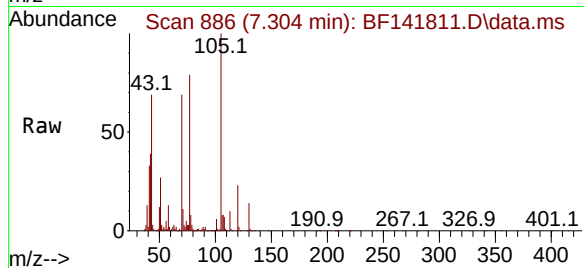
Ion Ratio Lower Upper

70 100

42 56.1 45.4 68.0

101 9.4 7.8 11.8

130 20.9 16.6 24.8



#20

3+4-Methylphenols

Concen: 38.120 ng

RT: 7.287 min Scan# 883

Delta R.T. -0.000 min

Lab File: BF141811.D

Acq: 03 Mar 2025 14:16

Tgt Ion: 107 Resp: 884098

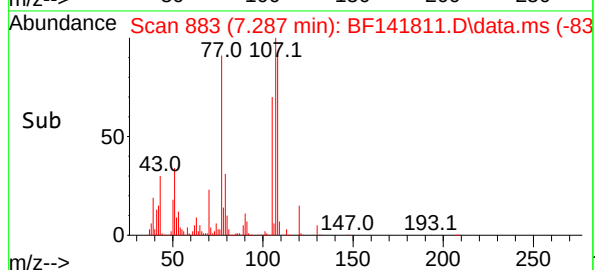
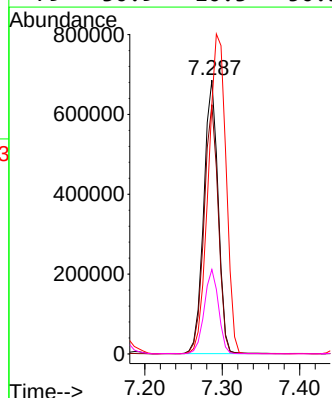
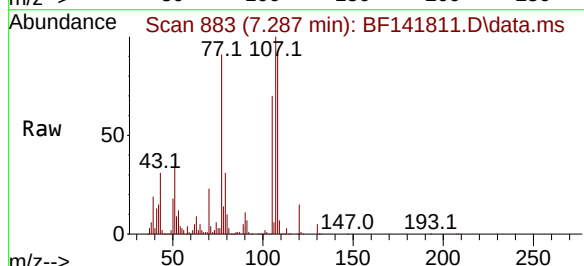
Ion Ratio Lower Upper

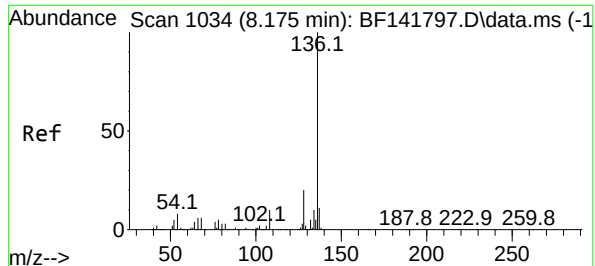
107 100

108 91.0 69.7 109.7

77 91.2 58.3 98.3

79 30.9 10.3 50.3





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.169 min Scan# 1034

Delta R.T. -0.006 min

Lab File: BF141811.D

Acq: 03 Mar 2025 14:16

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

Tgt Ion:136 Resp: 1275842

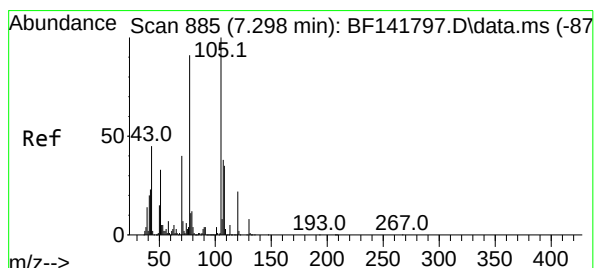
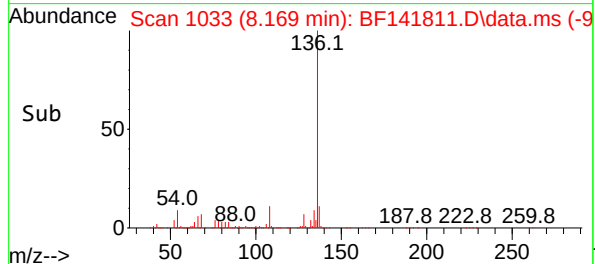
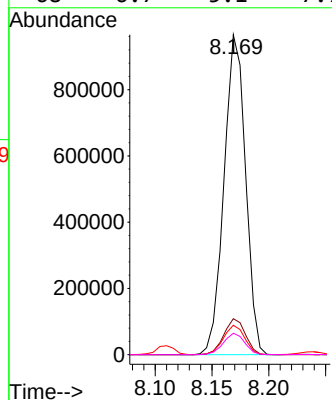
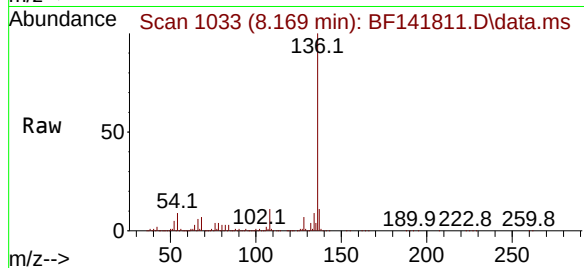
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 9.2 6.9 10.3

68 6.7 5.1 7.7



#22

Acetophenone

Concen: 39.497 ng

RT: 7.298 min Scan# 885

Delta R.T. -0.000 min

Lab File: BF141811.D

Acq: 03 Mar 2025 14:16

Tgt Ion:105 Resp: 1227307

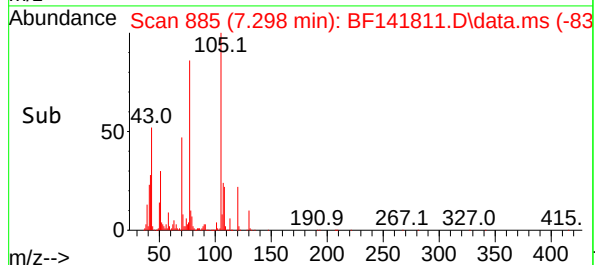
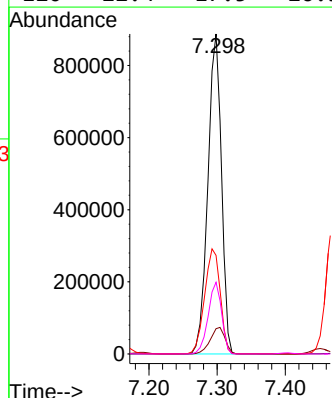
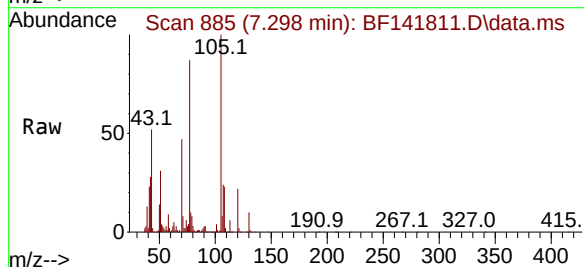
Ion Ratio Lower Upper

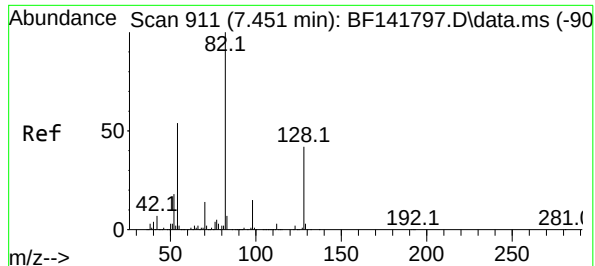
105 100

71 7.9 5.4 8.0

51 30.8 26.1 39.1

120 22.4 17.5 26.3





#23

Nitrobenzene-d5

Concen: 87.275 ng

RT: 7.451 min Scan# 911

Delta R.T. -0.000 min

Lab File: BF141811.D

Acq: 03 Mar 2025 14:16

Instrument :

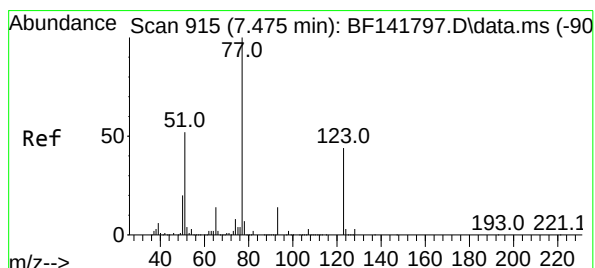
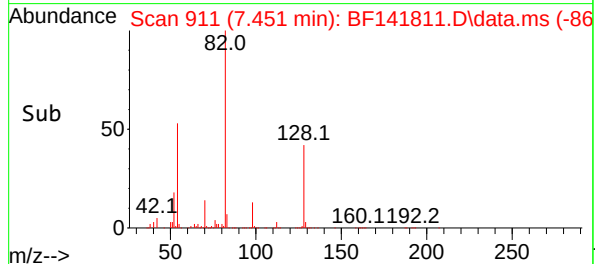
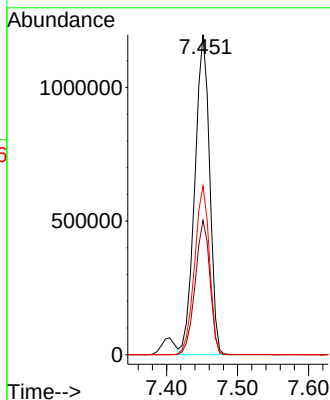
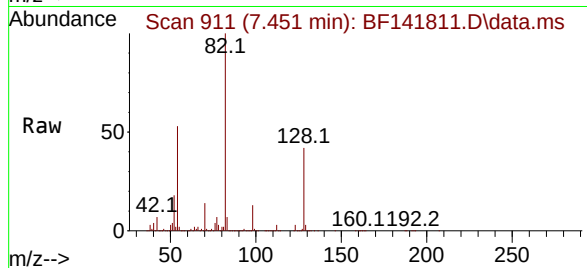
BNA\_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 82 Resp: 1742007

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 42.0  | 33.5  | 50.3  |
| 54  | 52.7  | 42.7  | 64.1  |



#24

Nitrobenzene

Concen: 42.553 ng

RT: 7.469 min Scan# 914

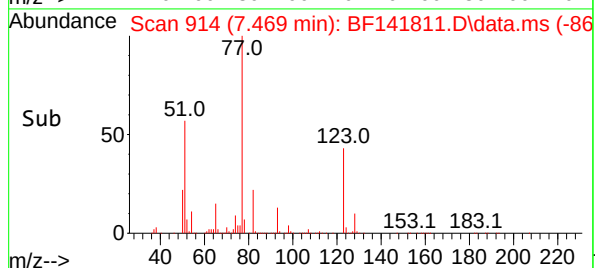
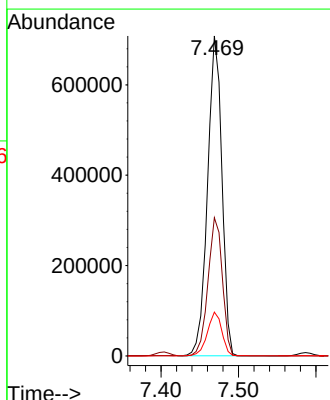
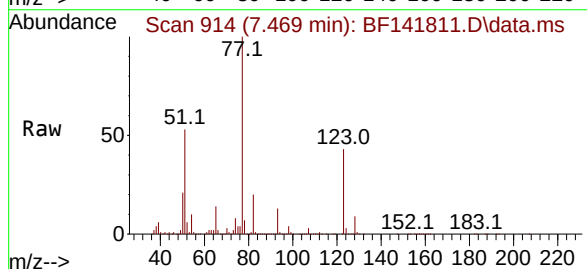
Delta R.T. -0.006 min

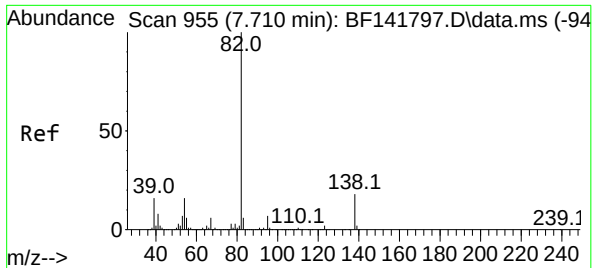
Lab File: BF141811.D

Acq: 03 Mar 2025 14:16

Tgt Ion: 77 Resp: 909529

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 77  | 100   |       |       |
| 123 | 43.2  | 35.8  | 53.8  |
| 65  | 13.7  | 11.2  | 16.8  |

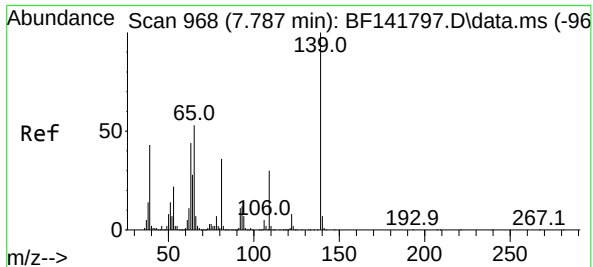
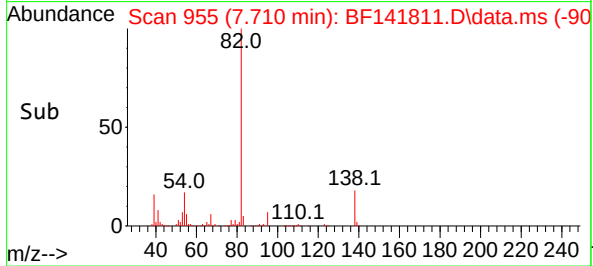
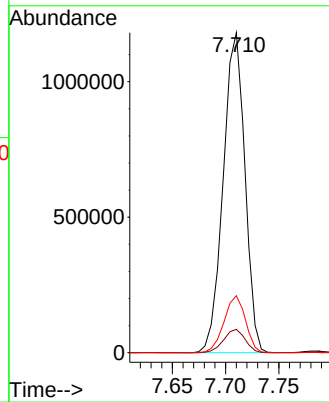
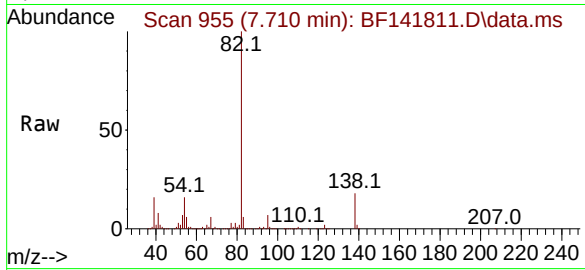




#25  
Isophorone  
Concen: 38.938 ng  
RT: 7.710 min Scan# 910  
Delta R.T. -0.000 min  
Lab File: BF141811.D  
Acq: 03 Mar 2025 14:16

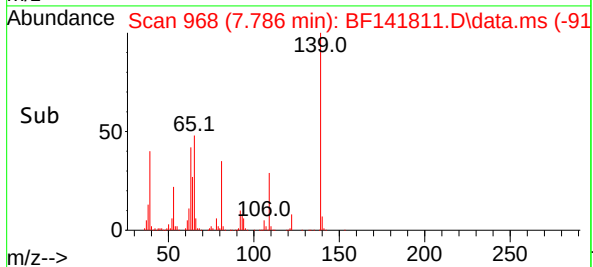
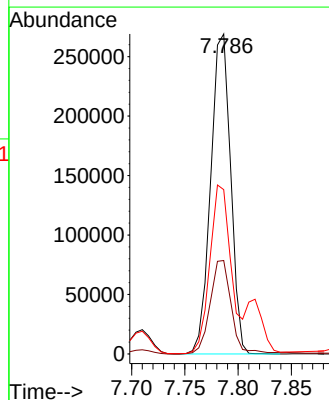
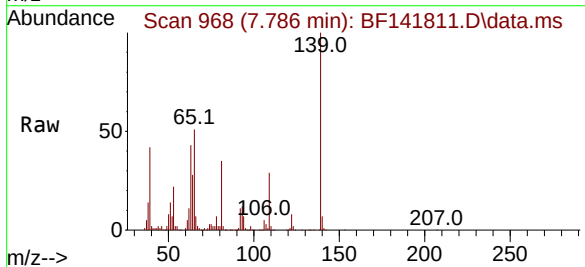
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

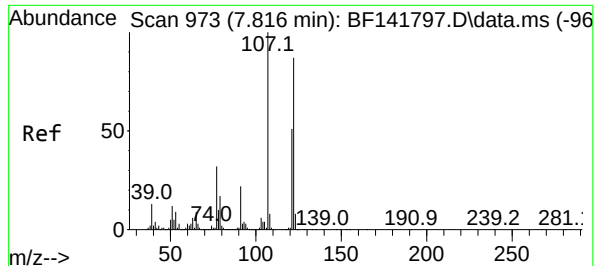
Tgt Ion: 82 Resp: 1669719  
Ion Ratio Lower Upper  
82 100  
95 7.3 5.8 8.8  
138 17.8 14.0 21.0



#26  
2-Nitrophenol  
Concen: 37.751 ng  
RT: 7.786 min Scan# 968  
Delta R.T. -0.001 min  
Lab File: BF141811.D  
Acq: 03 Mar 2025 14:16

Tgt Ion: 139 Resp: 350206  
Ion Ratio Lower Upper  
139 100  
109 29.2 24.1 36.1  
65 51.3 42.3 63.5





#27

2,4-Dimethylphenol

Concen: 39.462 ng

RT: 7.816 min Scan# 91

Delta R.T. -0.000 min

Lab File: BF141811.D

Acq: 03 Mar 2025 14:16

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

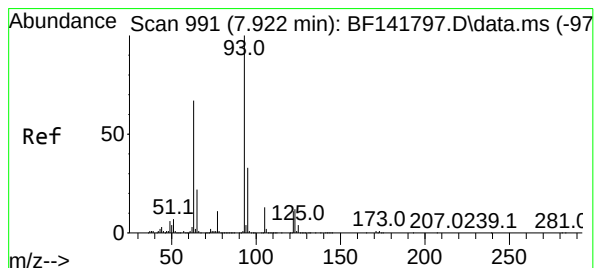
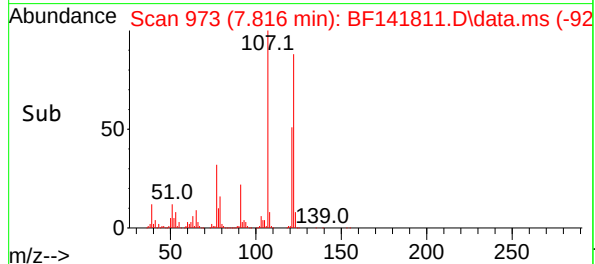
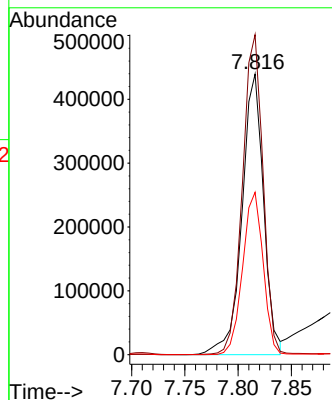
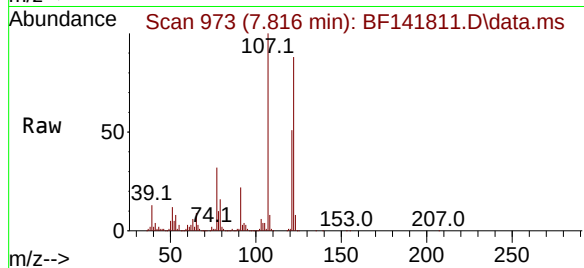
Tgt Ion:122 Resp: 622034

Ion Ratio Lower Upper

122 100

107 114.1 92.5 138.7

121 57.9 47.1 70.7



#28

bis(2-Chloroethoxy)methane

Concen: 39.225 ng

RT: 7.916 min Scan# 990

Delta R.T. -0.006 min

Lab File: BF141811.D

Acq: 03 Mar 2025 14:16

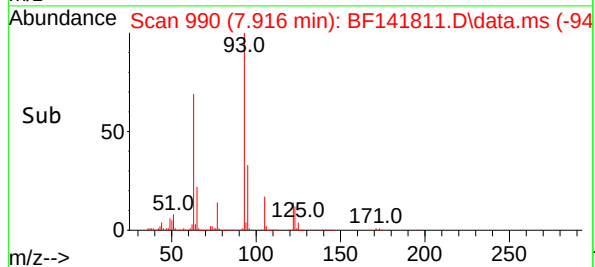
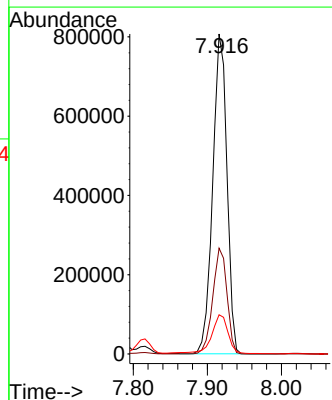
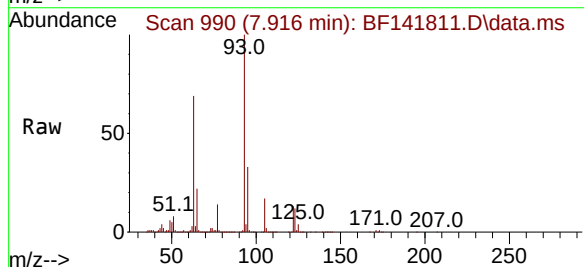
Tgt Ion: 93 Resp: 1072963

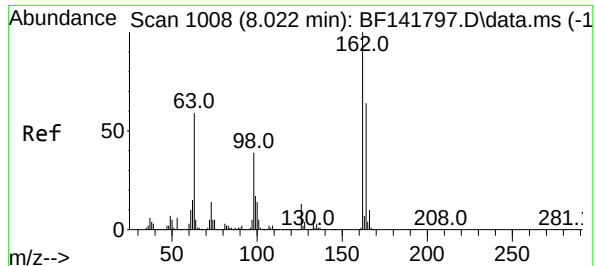
Ion Ratio Lower Upper

93 100

95 33.0 26.5 39.7

123 12.3 10.0 15.0





#29

2,4-Dichlorophenol

Concen: 40.098 ng

RT: 8.022 min Scan# 1008

Delta R.T. -0.000 min

Lab File: BF141811.D

Acq: 03 Mar 2025 14:16

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

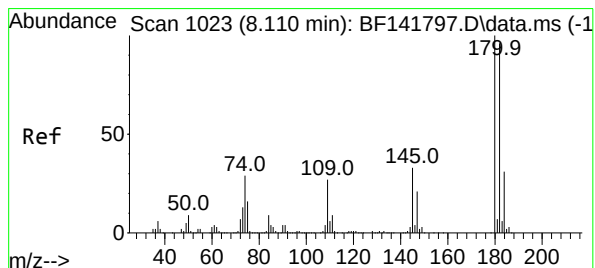
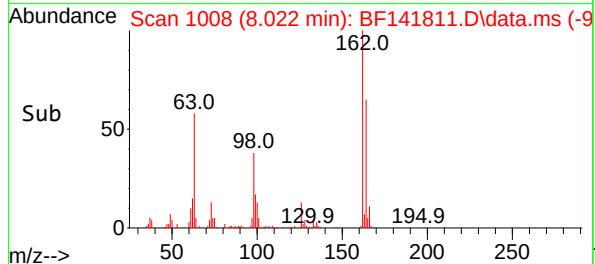
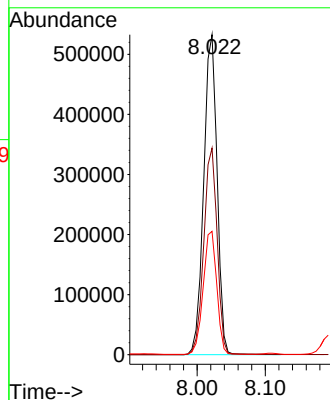
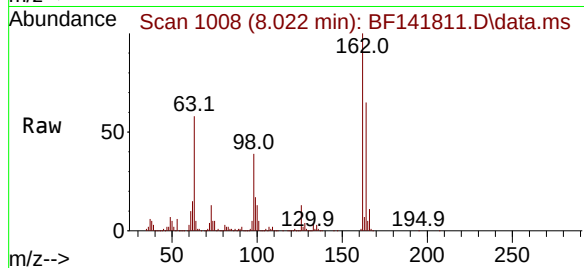
Tgt Ion:162 Resp: 729173

Ion Ratio Lower Upper

162 100

164 64.5 44.3 84.3

98 38.5 19.6 59.6



#30

1,2,4-Trichlorobenzene

Concen: 39.964 ng

RT: 8.110 min Scan# 1023

Delta R.T. -0.000 min

Lab File: BF141811.D

Acq: 03 Mar 2025 14:16

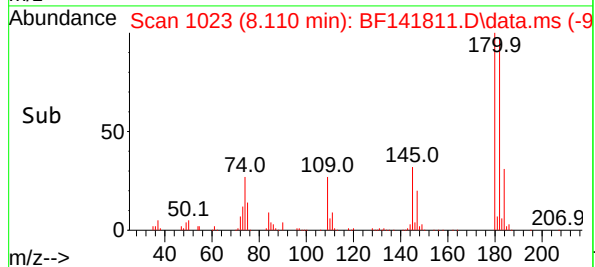
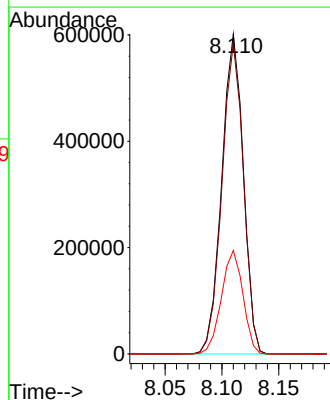
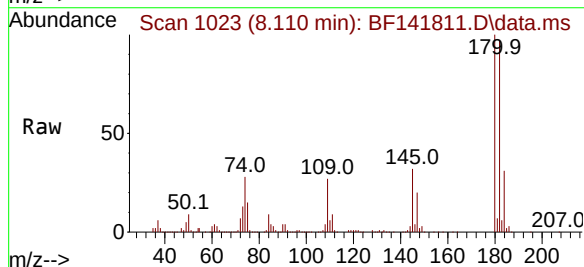
Tgt Ion:180 Resp: 796334

Ion Ratio Lower Upper

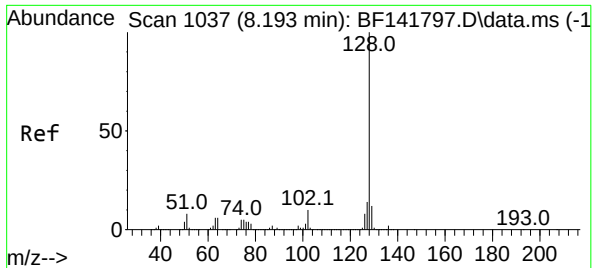
180 100

182 97.0 76.8 115.2

145 32.4 26.4 39.6







#31

Naphthalene

Concen: 39.303 ng

RT: 8.192 min Scan# 1037

Delta R.T. -0.000 min

Lab File: BF141811.D

Acq: 03 Mar 2025 14:16

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

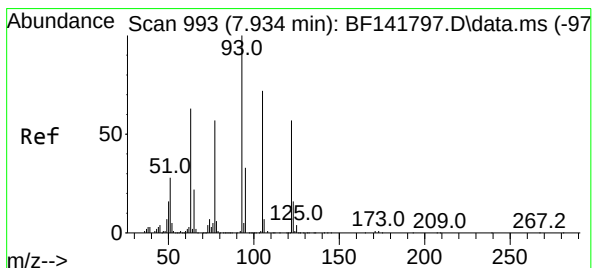
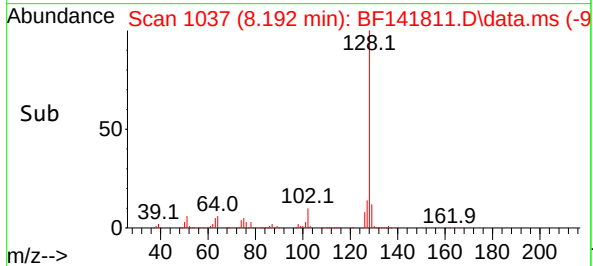
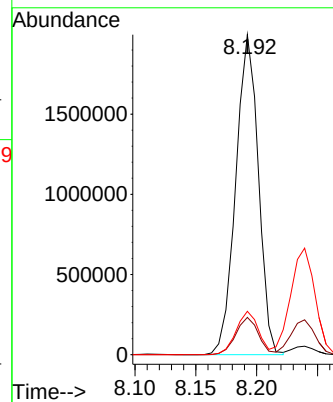
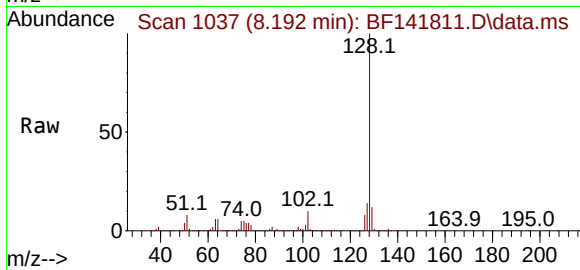
Tgt Ion:128 Resp: 2577208

Ion Ratio Lower Upper

128 100

129 11.7 9.2 13.8

127 13.5 11.0 16.4



#32

Benzoic acid

Concen: 37.721 ng

RT: 7.928 min Scan# 992

Delta R.T. -0.006 min

Lab File: BF141811.D

Acq: 03 Mar 2025 14:16

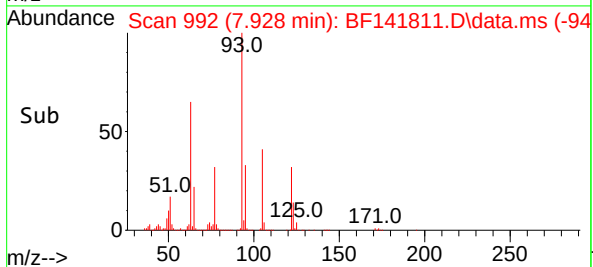
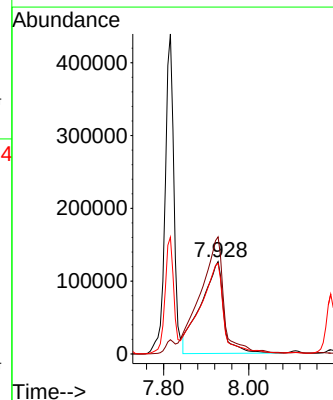
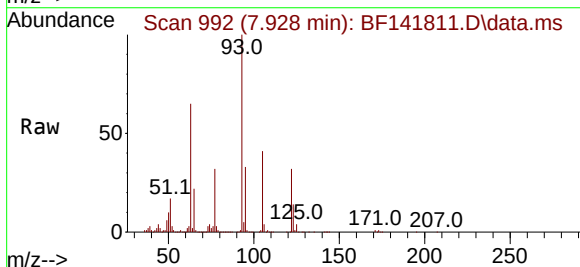
Tgt Ion:122 Resp: 470459

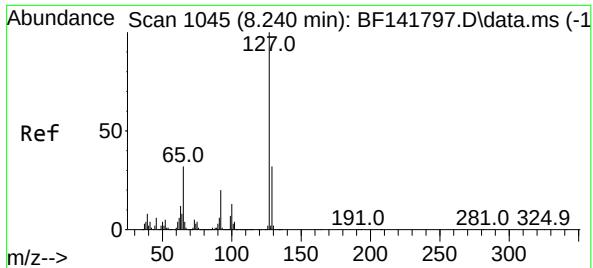
Ion Ratio Lower Upper

122 100

105 127.0 105.8 145.8

77 98.2 79.9 119.9

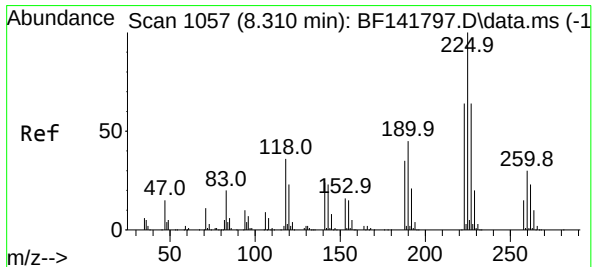
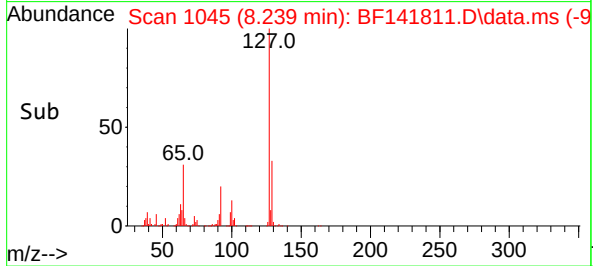
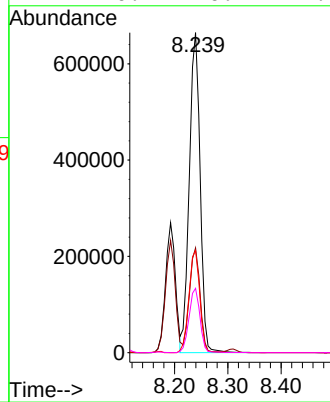
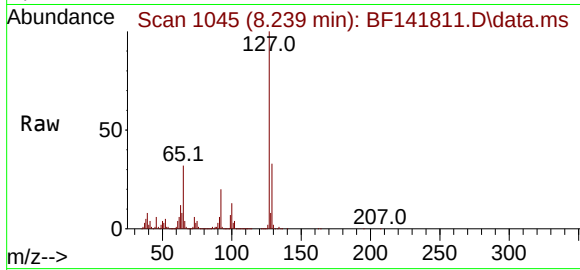




#33  
4-Chloroaniline  
Concen: 39.072 ng  
RT: 8.239 min Scan# 1045  
Delta R.T. -0.000 min  
Lab File: BF141811.D  
Acq: 03 Mar 2025 14:16

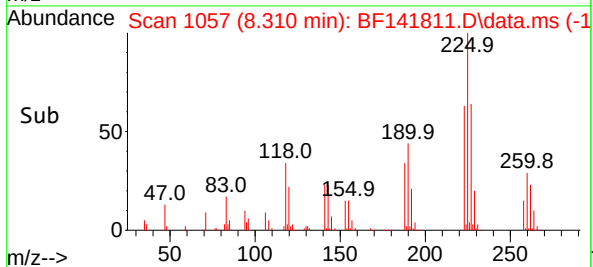
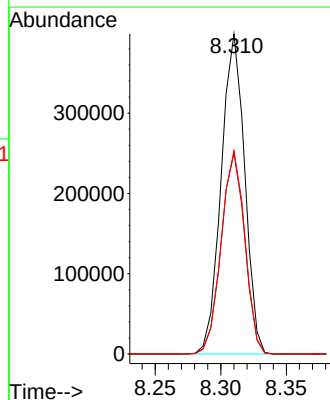
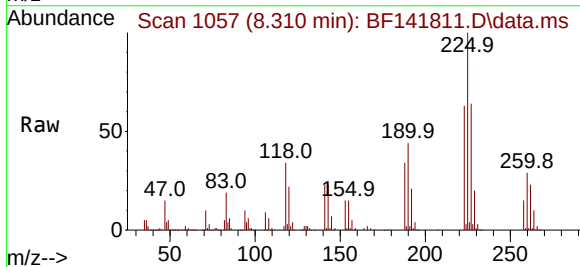
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

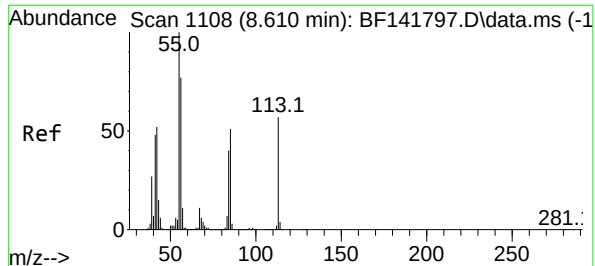
|             |              |
|-------------|--------------|
| Tgt Ion:127 | Resp: 939425 |
| Ion Ratio   | Lower Upper  |
| 127 100     |              |
| 129 32.8    | 26.1 39.1    |
| 65 32.0     | 25.7 38.5    |
| 92 20.1     | 16.1 24.1    |



#34  
Hexachlorobutadiene  
Concen: 40.073 ng  
RT: 8.310 min Scan# 1057  
Delta R.T. -0.000 min  
Lab File: BF141811.D  
Acq: 03 Mar 2025 14:16

|     |         |       |        |
|-----|---------|-------|--------|
| Tgt | Ion:225 | Resp: | 496196 |
| Ion | Ratio   | Lower | Upper  |
| 225 | 100     |       |        |
| 223 | 62.8    | 51.4  | 77.2   |
| 227 | 63.5    | 51.6  | 77.4   |





#35

Caprolactam

Concen: 40.141 ng

RT: 8.610 min Scan# 1108

Delta R.T. -0.000 min

Lab File: BF141811.D

Acq: 03 Mar 2025 14:16

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

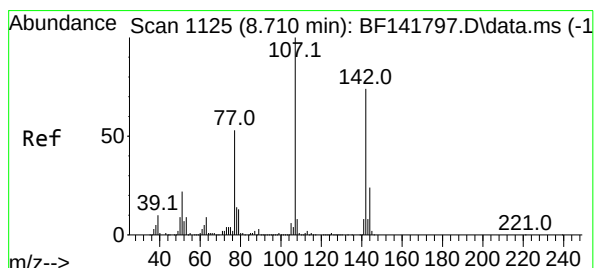
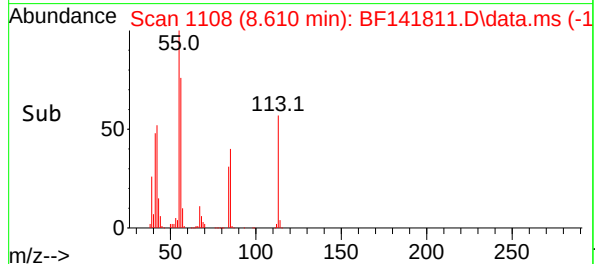
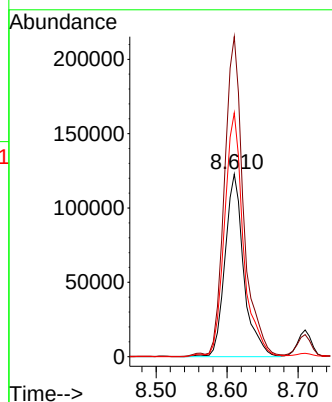
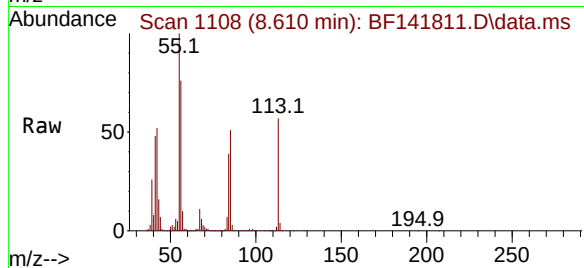
Tgt Ion:113 Resp: 224556

Ion Ratio Lower Upper

113 100

55 175.4 155.6 195.6

56 133.6 114.6 154.6



#36

4-Chloro-3-methylphenol

Concen: 39.231 ng

RT: 8.710 min Scan# 1125

Delta R.T. -0.000 min

Lab File: BF141811.D

Acq: 03 Mar 2025 14:16

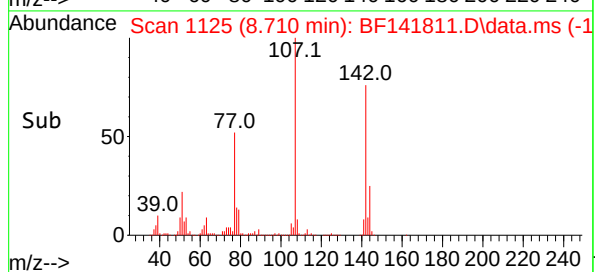
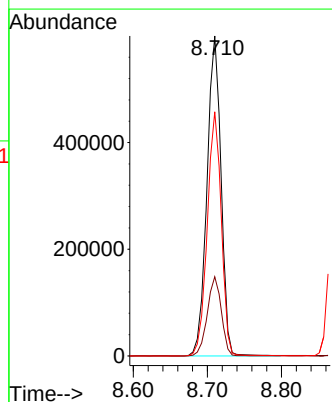
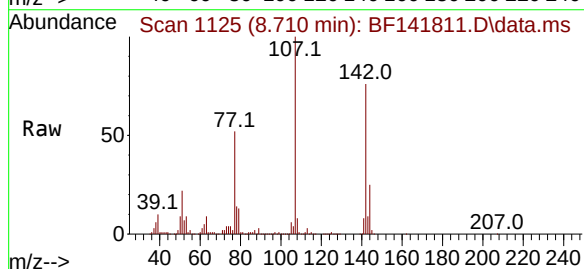
Tgt Ion:107 Resp: 792497

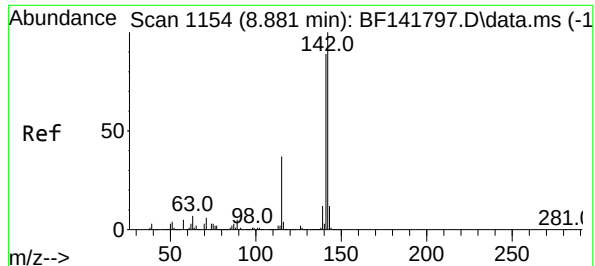
Ion Ratio Lower Upper

107 100

144 24.7 19.4 29.0

142 76.3 59.4 89.0





#37

2-Methylnaphthalene

Concen: 38.993 ng

RT: 8.881 min Scan# 1154

Delta R.T. -0.000 min

Lab File: BF141811.D

Acq: 03 Mar 2025 14:16

Instrument :

BNA\_F

ClientSampleId :

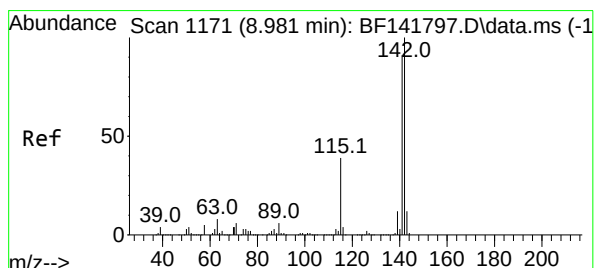
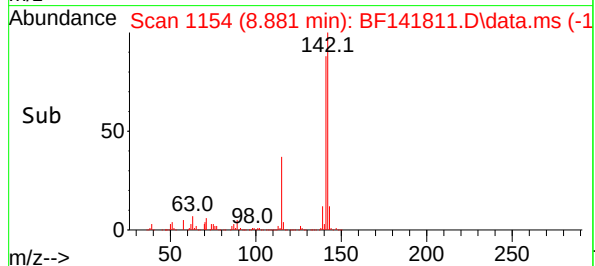
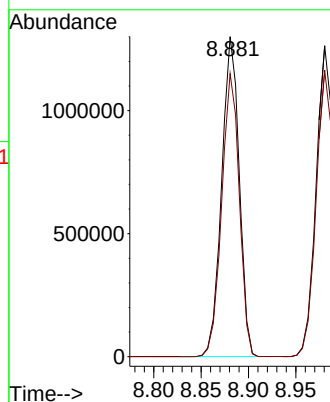
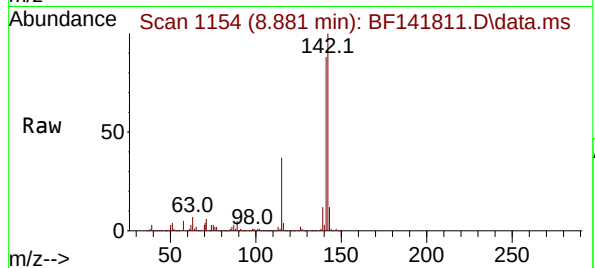
SSTDCCC040

Tgt Ion:142 Resp: 1677110

Ion Ratio Lower Upper

142 100

141 88.5 71.1 106.7



#38

1-Methylnaphthalene

Concen: 39.234 ng

RT: 8.981 min Scan# 1171

Delta R.T. -0.000 min

Lab File: BF141811.D

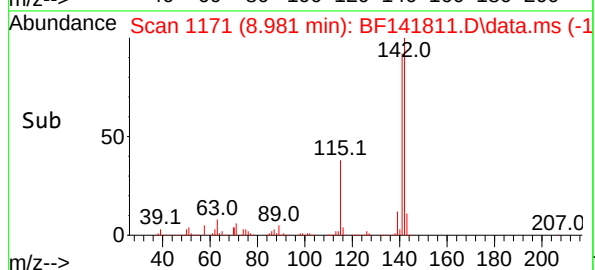
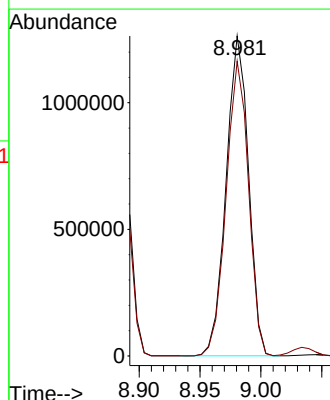
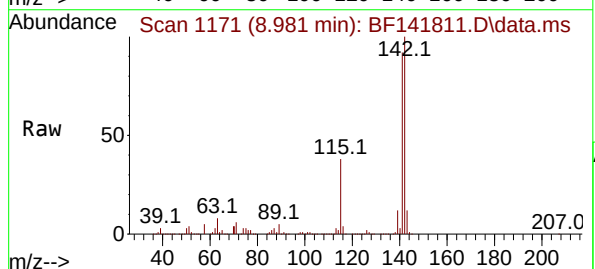
Acq: 03 Mar 2025 14:16

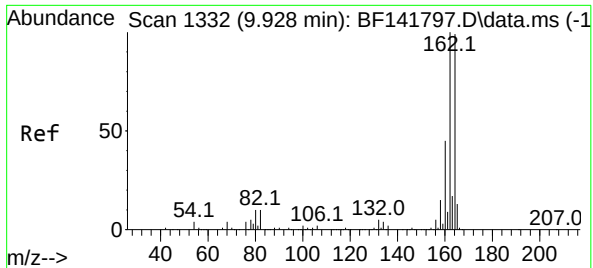
Tgt Ion:142 Resp: 1619174

Ion Ratio Lower Upper

142 100

141 92.1 73.1 109.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.928 min Scan# 1182

Delta R.T. -0.000 min

Lab File: BF141811.D

Acq: 03 Mar 2025 14:16

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

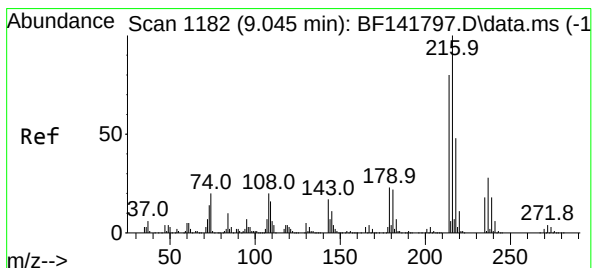
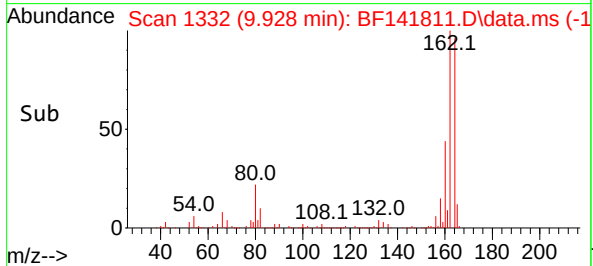
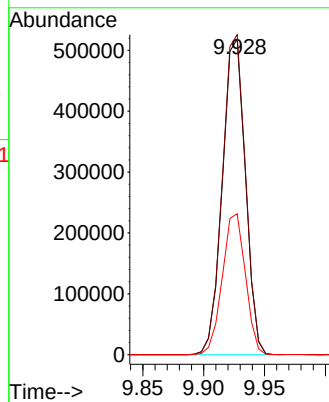
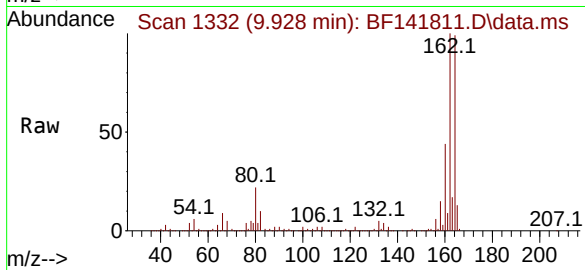
Tgt Ion:164 Resp: 681541

Ion Ratio Lower Upper

164 100

162 101.4 80.6 120.8

160 44.7 36.3 54.5



#40

1,2,4,5-Tetrachlorobenzene

Concen: 39.951 ng

RT: 9.045 min Scan# 1182

Delta R.T. -0.000 min

Lab File: BF141811.D

Acq: 03 Mar 2025 14:16

Tgt Ion:216 Resp: 786375

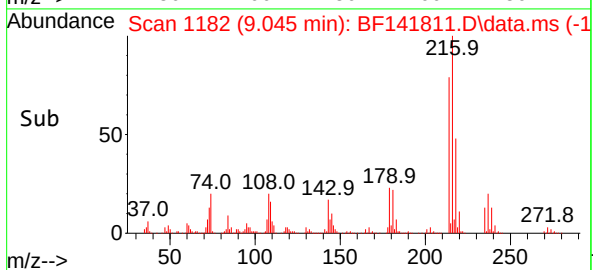
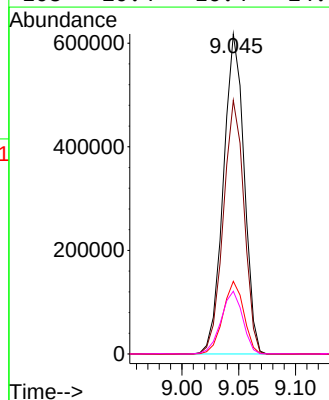
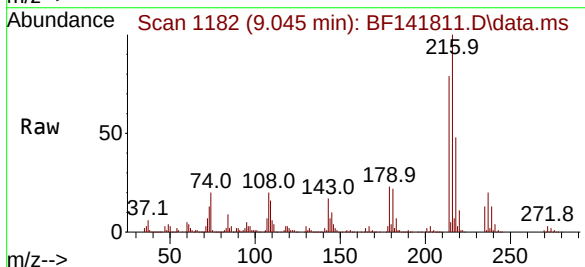
Ion Ratio Lower Upper

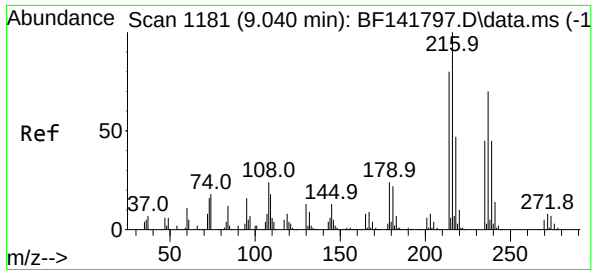
216 100

214 79.0 63.5 95.3

179 22.6 18.1 27.1

108 20.4 16.4 24.6

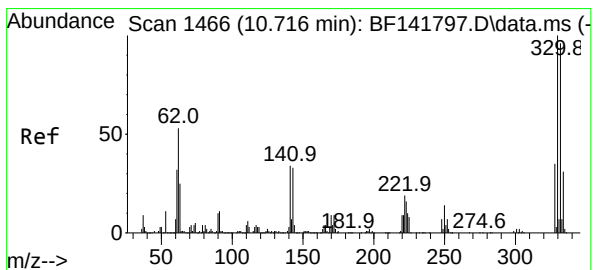
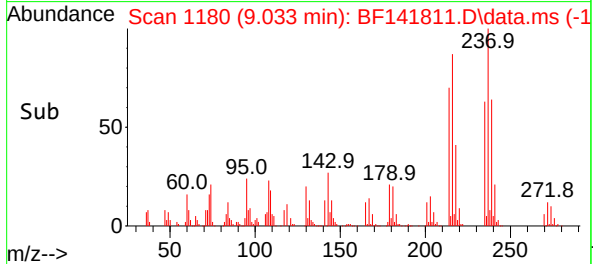
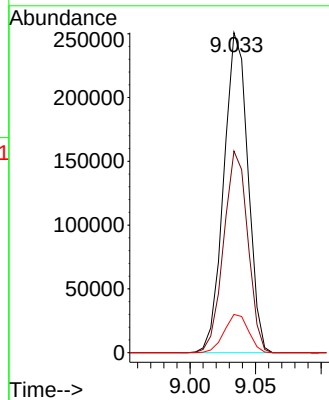
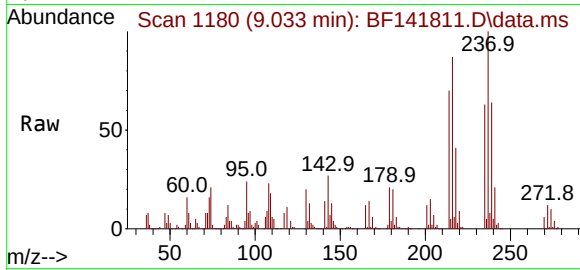




#41  
Hexachlorocyclopentadiene  
Concen: 39.049 ng  
RT: 9.033 min Scan# 1181  
Delta R.T. -0.006 min  
Lab File: BF141811.D  
Acq: 03 Mar 2025 14:16

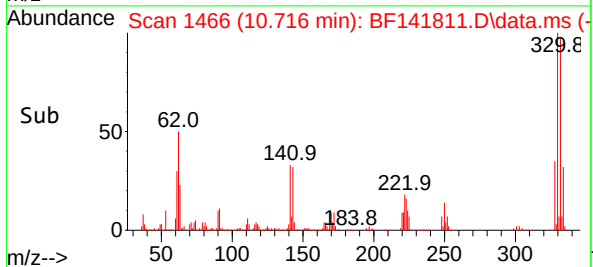
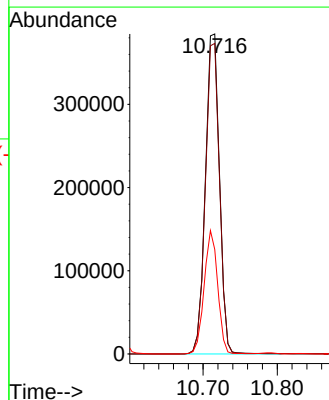
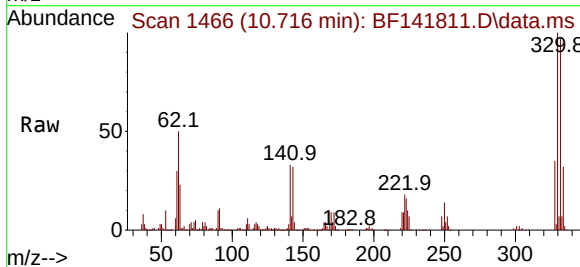
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

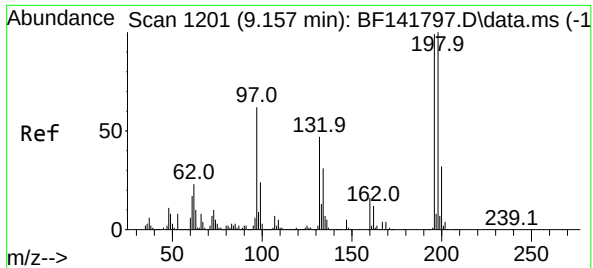
Tgt Ion:237 Resp: 320767  
Ion Ratio Lower Upper  
237 100  
235 63.0 43.3 83.3  
272 11.9 0.0 31.9



#42  
2,4,6-Tribromophenol  
Concen: 79.802 ng  
RT: 10.716 min Scan# 1466  
Delta R.T. -0.000 min  
Lab File: BF141811.D  
Acq: 03 Mar 2025 14:16

Tgt Ion:330 Resp: 510606  
Ion Ratio Lower Upper  
330 100  
332 97.4 76.6 115.0  
141 37.2 29.0 43.4

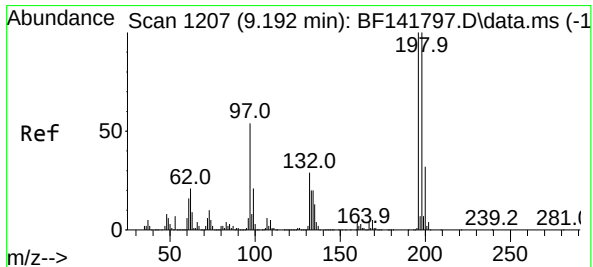
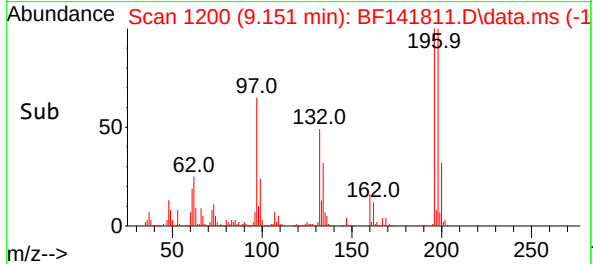
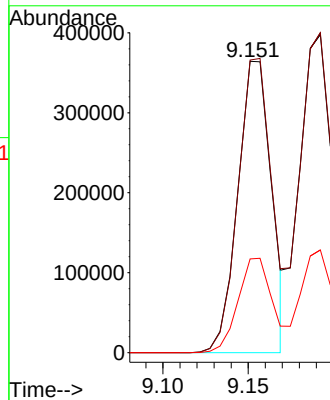
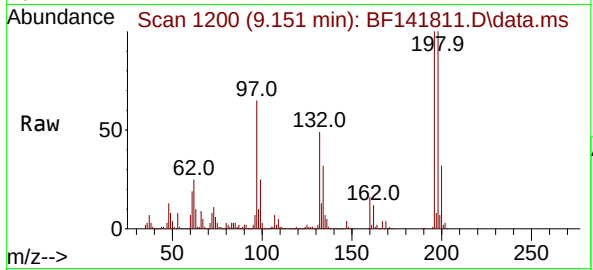




#43  
2,4,6-Trichlorophenol  
Concen: 39.357 ng  
RT: 9.151 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF141811.D  
Acq: 03 Mar 2025 14:16

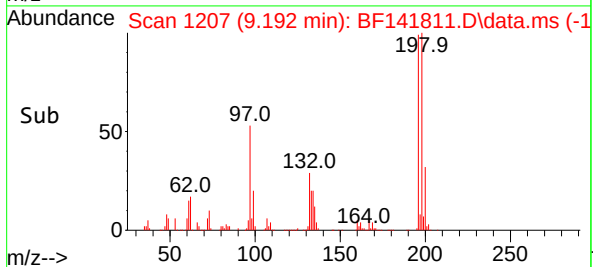
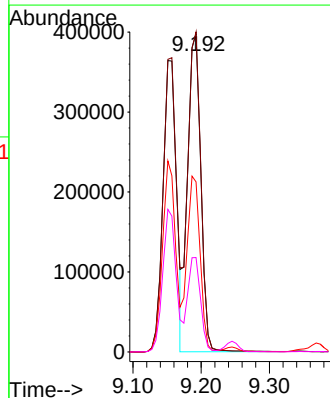
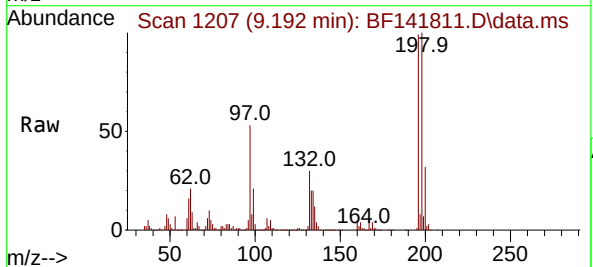
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

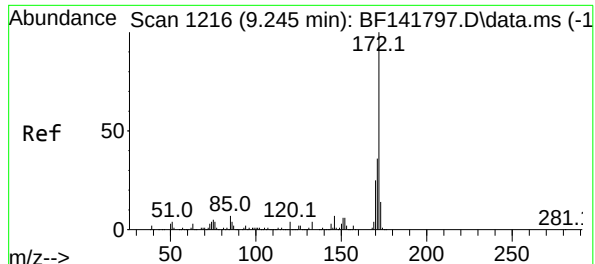
Tgt Ion:196 Resp: 500423  
Ion Ratio Lower Upper  
196 100  
198 100.4 80.4 120.6  
200 32.2 25.7 38.5



#44  
2,4,5-Trichlorophenol  
Concen: 42.351 ng  
RT: 9.192 min Scan# 1207  
Delta R.T. -0.000 min  
Lab File: BF141811.D  
Acq: 03 Mar 2025 14:16

Tgt Ion:196 Resp: 533229  
Ion Ratio Lower Upper  
196 100  
198 100.5 79.7 119.5  
97 53.4 44.2 66.2  
132 29.7 24.3 36.5





#45

2-Fluorobiphenyl

Concen: 77.871 ng

RT: 9.245 min Scan# 1216

Delta R.T. -0.000 min

Lab File: BF141811.D

Acq: 03 Mar 2025 14:16

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

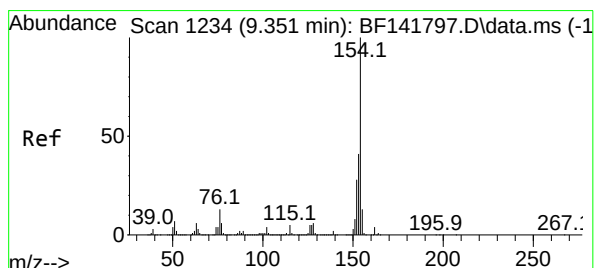
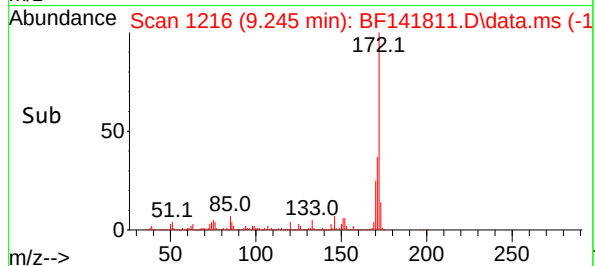
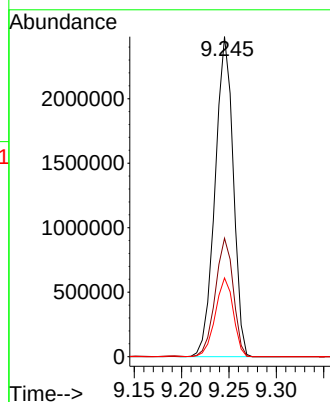
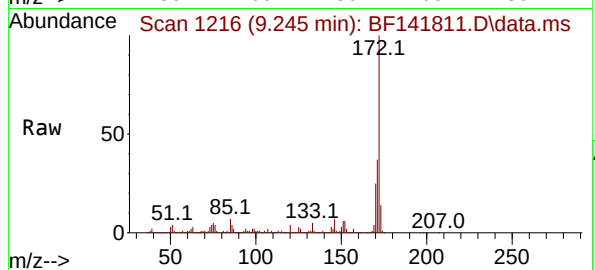
Tgt Ion:172 Resp: 3309900

Ion Ratio Lower Upper

172 100

171 37.0 29.2 43.8

170 24.6 19.7 29.5



#46

1,1'-Biphenyl

Concen: 39.988 ng

RT: 9.345 min Scan# 1233

Delta R.T. -0.006 min

Lab File: BF141811.D

Acq: 03 Mar 2025 14:16

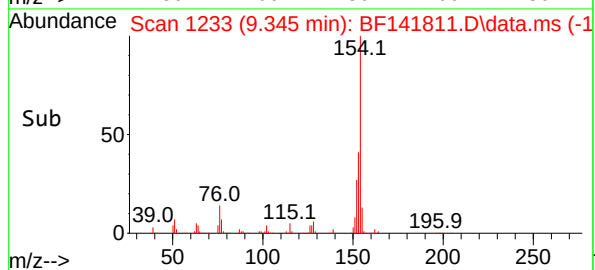
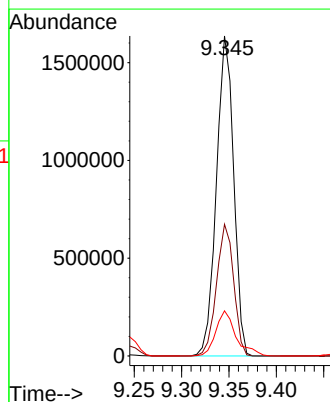
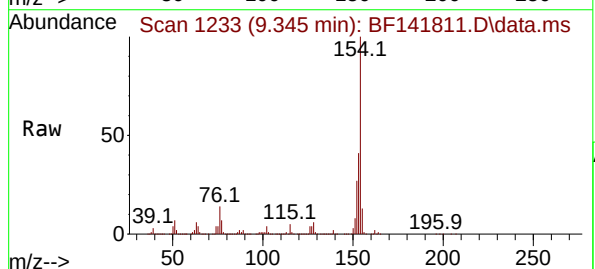
Tgt Ion:154 Resp: 2074425

Ion Ratio Lower Upper

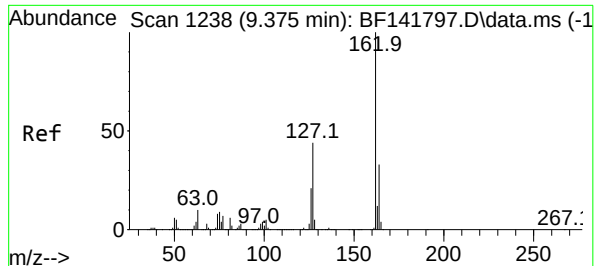
154 100

153 41.2 21.4 61.4

76 14.1 0.0 33.4







#47

2-Chloronaphthalene

Concen: 40.370 ng

RT: 9.369 min Scan# 1238

Delta R.T. -0.006 min

Lab File: BF141811.D

Acq: 03 Mar 2025 14:16

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

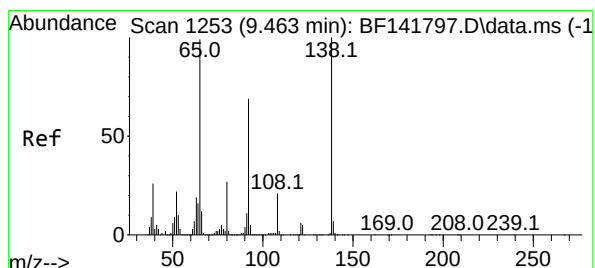
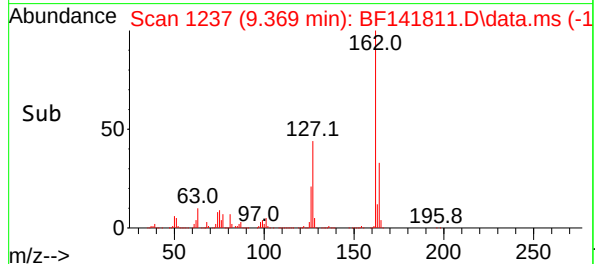
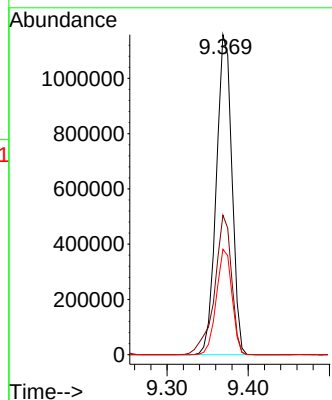
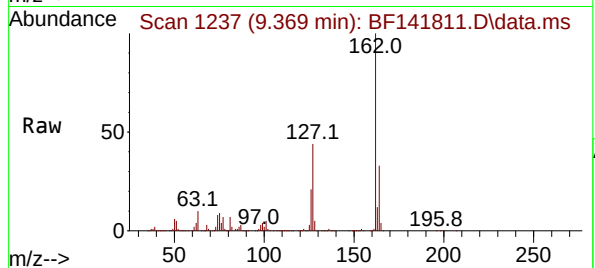
Tgt Ion:162 Resp: 1545705

Ion Ratio Lower Upper

162 100

127 43.6 35.0 52.6

164 32.9 26.6 40.0



#48

2-Nitroaniline

Concen: 40.975 ng

RT: 9.463 min Scan# 1253

Delta R.T. -0.000 min

Lab File: BF141811.D

Acq: 03 Mar 2025 14:16

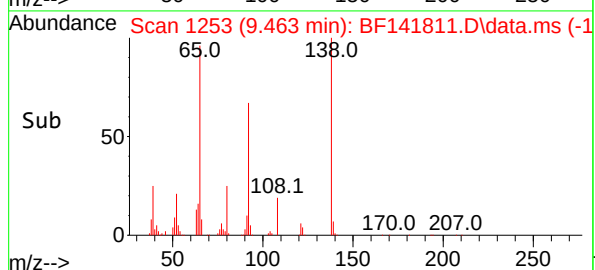
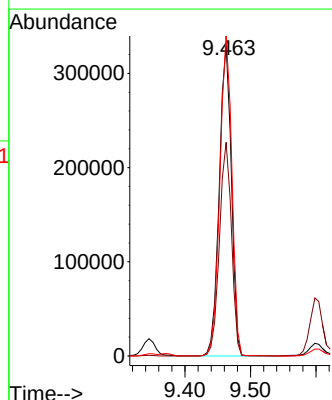
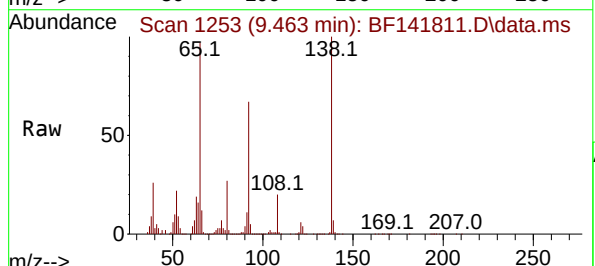
Tgt Ion: 65 Resp: 422129

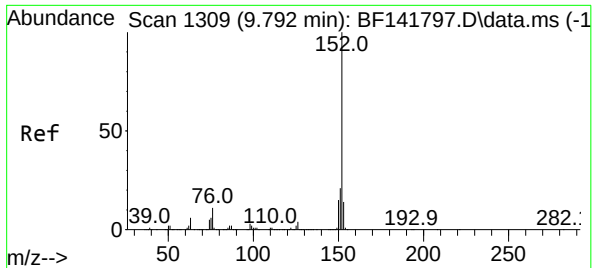
Ion Ratio Lower Upper

65 100

92 68.9 55.7 83.5

138 103.2 80.6 121.0

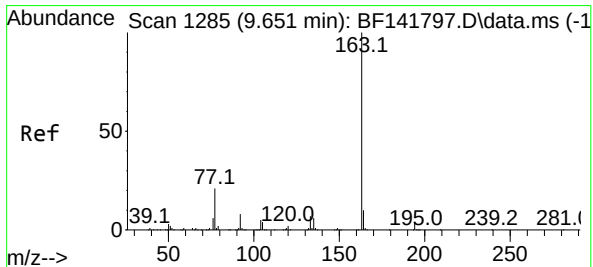
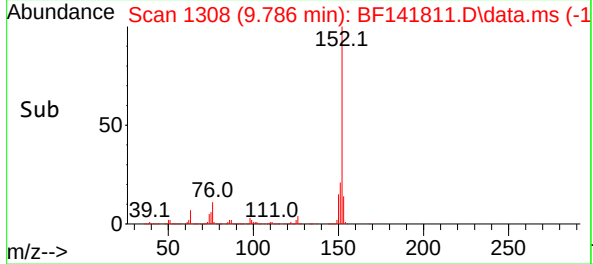
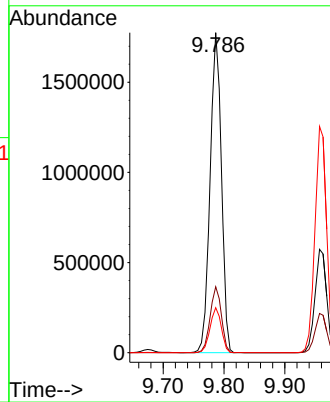
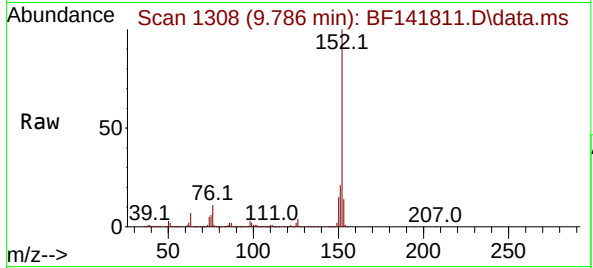




#49  
Acenaphthylene  
Concen: 39.939 ng  
RT: 9.786 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF141811.D  
Acq: 03 Mar 2025 14:16

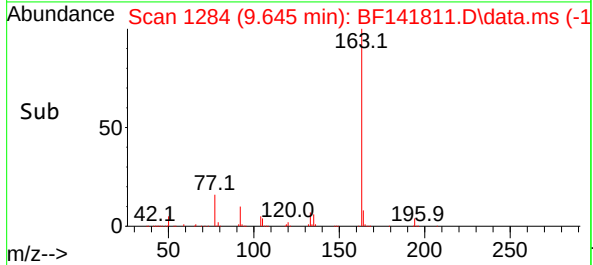
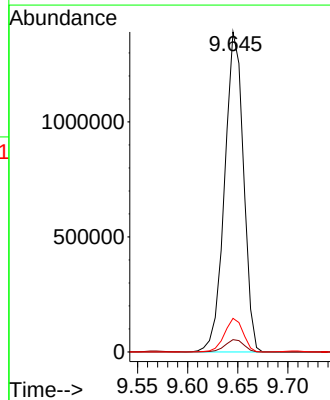
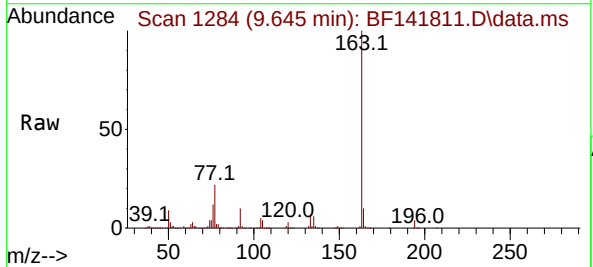
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

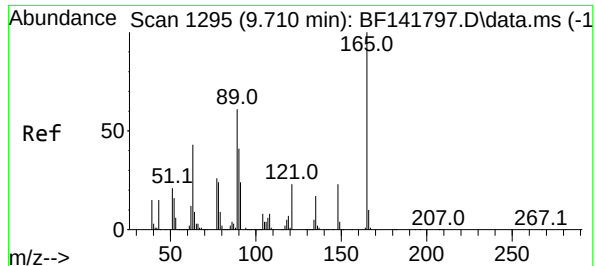
Tgt Ion:152 Resp: 2292782  
Ion Ratio Lower Upper  
152 100  
151 20.6 16.6 24.8  
153 14.0 11.2 16.8



#50  
Dimethylphthalate  
Concen: 39.868 ng  
RT: 9.645 min Scan# 1284  
Delta R.T. -0.006 min  
Lab File: BF141811.D  
Acq: 03 Mar 2025 14:16

Tgt Ion:163 Resp: 1819644  
Ion Ratio Lower Upper  
163 100  
194 3.8 3.1 4.7  
164 10.5 8.4 12.6

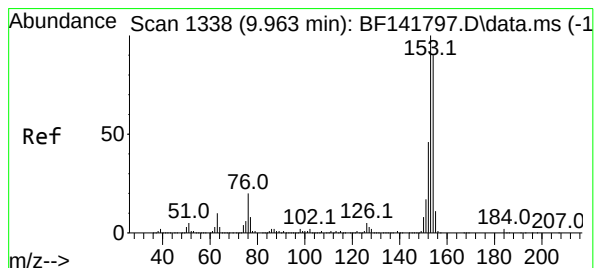
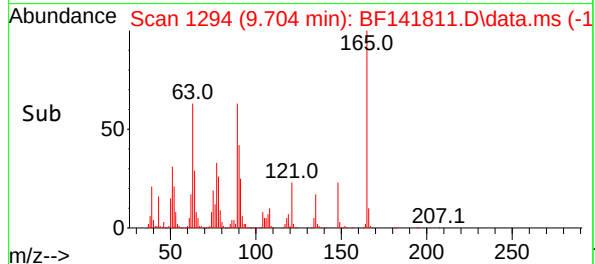
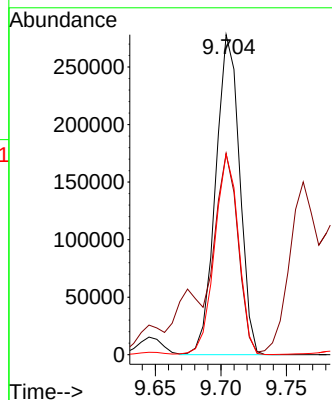
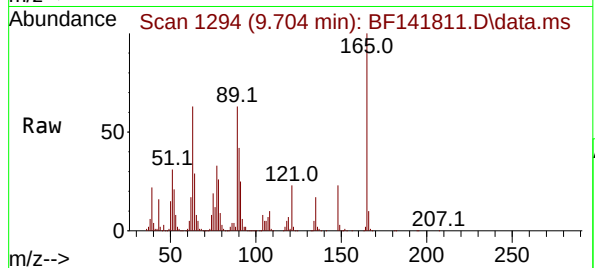




#51  
2,6-Dinitrotoluene  
Concen: 40.852 ng  
RT: 9.704 min Scan# 1294  
Delta R.T. -0.006 min  
Lab File: BF141811.D  
Acq: 03 Mar 2025 14:16

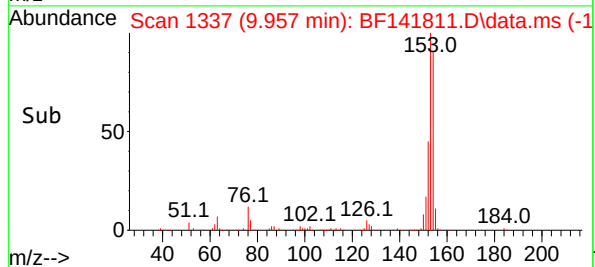
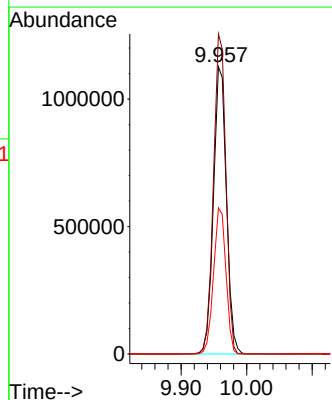
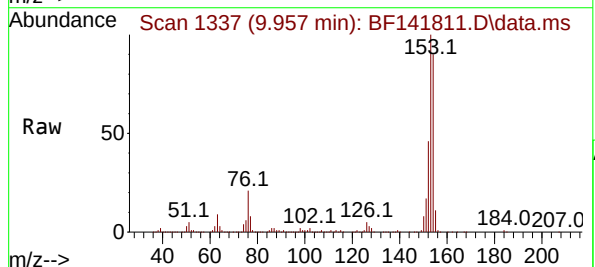
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

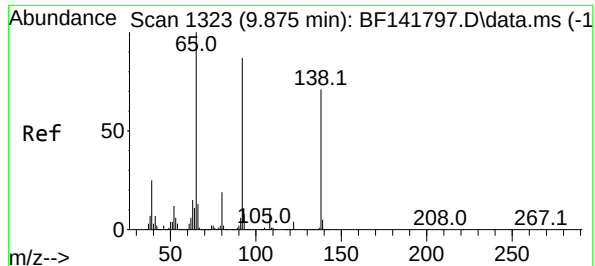
Tgt Ion:165 Resp: 352780  
Ion Ratio Lower Upper  
165 100  
63 62.9 49.5 74.3  
89 62.7 49.0 73.4



#52  
Acenaphthene  
Concen: 39.989 ng  
RT: 9.957 min Scan# 1337  
Delta R.T. -0.006 min  
Lab File: BF141811.D  
Acq: 03 Mar 2025 14:16

Tgt Ion:154 Resp: 1548970  
Ion Ratio Lower Upper  
154 100  
153 111.4 88.7 133.1  
152 50.9 40.9 61.3

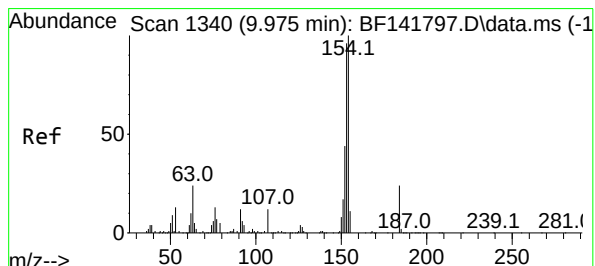
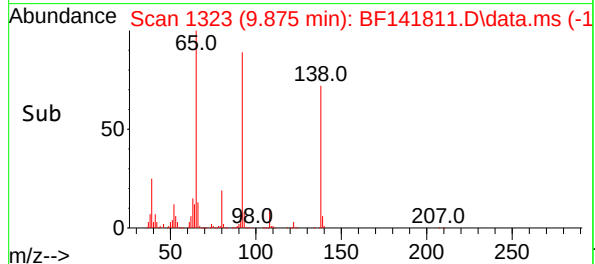
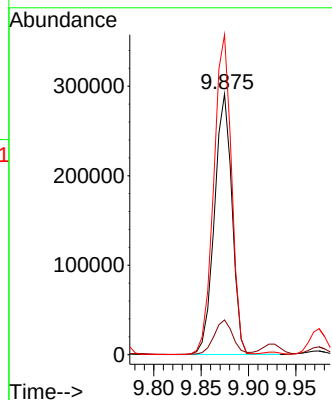
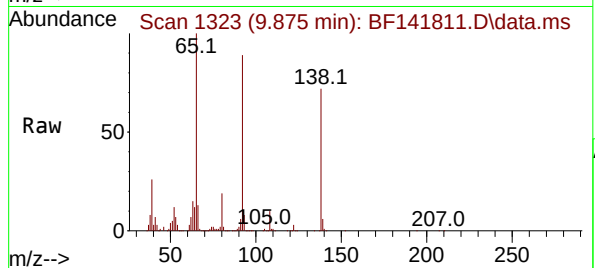




#53  
3-Nitroaniline  
Concen: 40.852 ng  
RT: 9.875 min Scan# 1323  
Delta R.T. -0.000 min  
Lab File: BF141811.D  
Acq: 03 Mar 2025 14:16

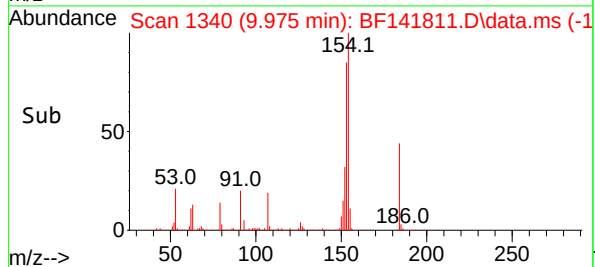
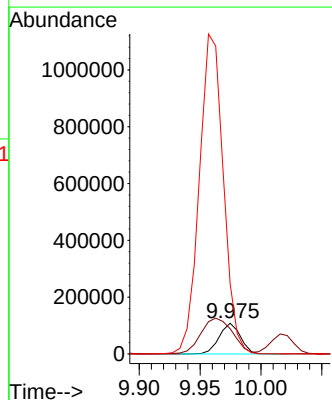
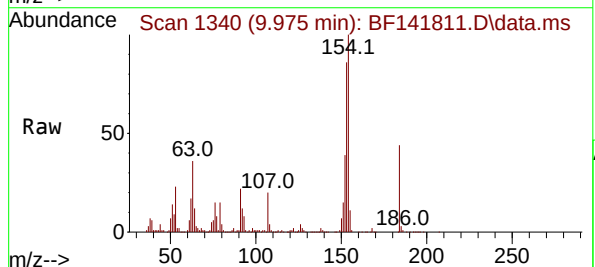
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

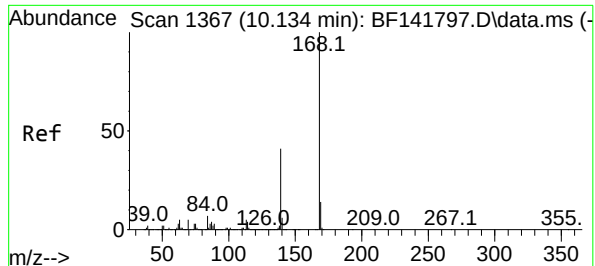
Tgt Ion:138 Resp: 375561  
Ion Ratio Lower Upper  
138 100  
108 13.3 12.7 19.1  
92 122.8 97.9 146.9



#54  
2,4-Dinitrophenol  
Concen: 40.966 ng  
RT: 9.975 min Scan# 1340  
Delta R.T. -0.000 min  
Lab File: BF141811.D  
Acq: 03 Mar 2025 14:16

Tgt Ion:184 Resp: 131005  
Ion Ratio Lower Upper  
184 100  
63 82.5 79.0 118.6  
154 229.7 335.8 503.8#





#55

Dibenzofuran

Concen: 39.519 ng

RT: 10.133 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF141811.D

Acq: 03 Mar 2025 14:16

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

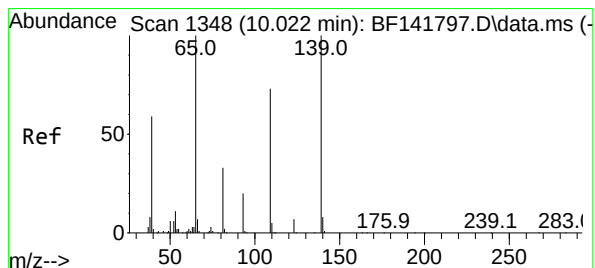
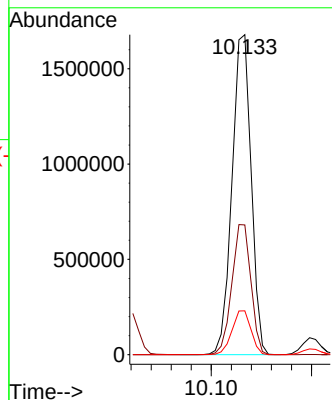
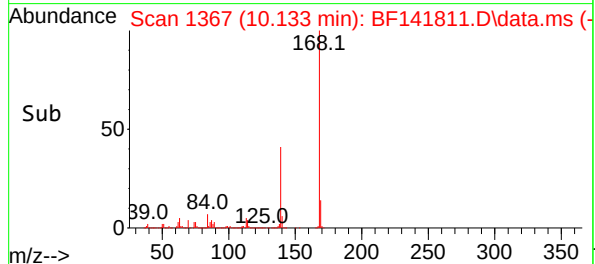
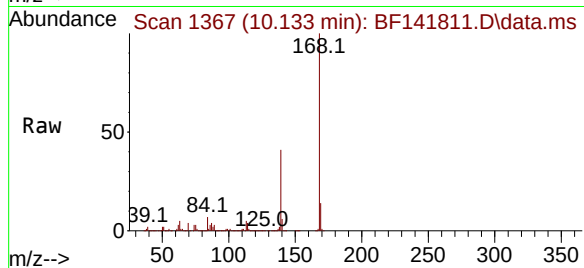
Tgt Ion:168 Resp: 2228045

Ion Ratio Lower Upper

168 100

139 40.5 32.9 49.3

169 13.7 11.1 16.7



#56

4-Nitrophenol

Concen: 44.328 ng

RT: 10.016 min Scan# 1347

Delta R.T. -0.006 min

Lab File: BF141811.D

Acq: 03 Mar 2025 14:16

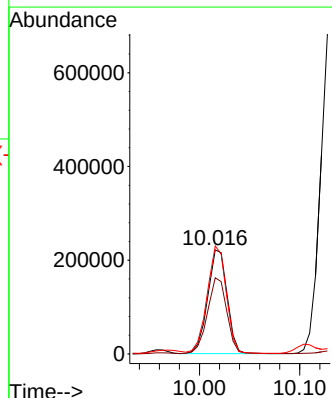
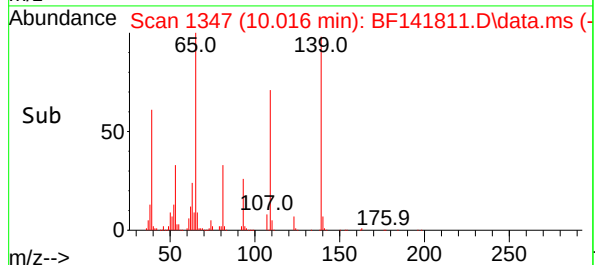
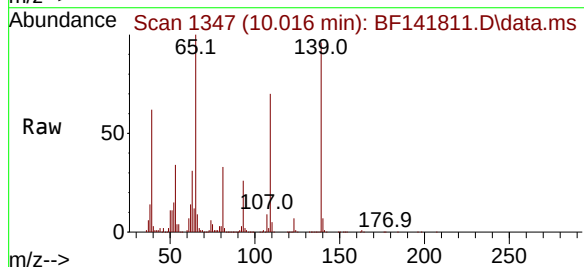
Tgt Ion:139 Resp: 298813

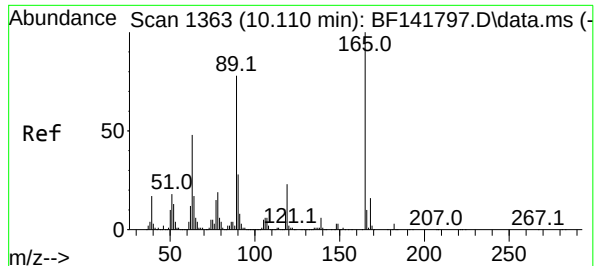
Ion Ratio Lower Upper

139 100

109 73.1 53.4 93.4

65 103.8 82.1 122.1

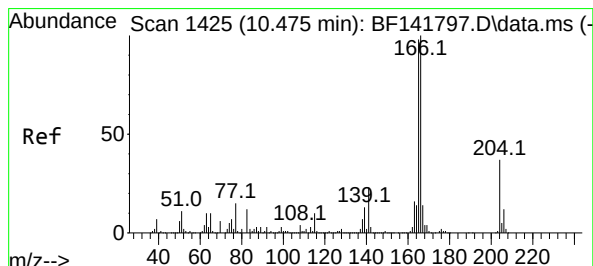
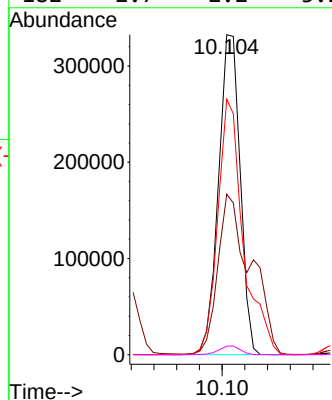
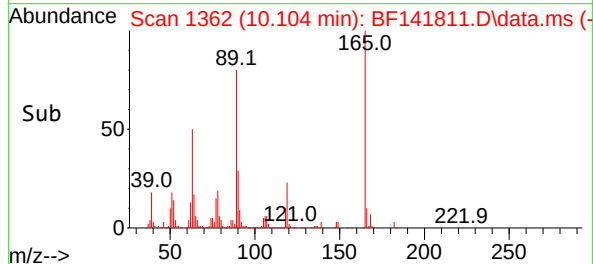
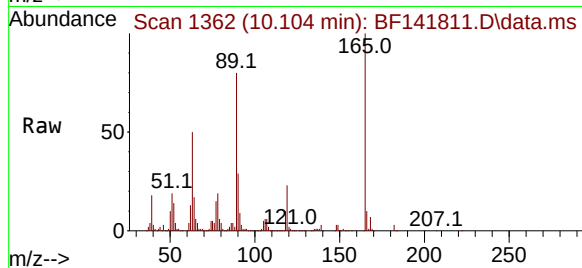




#57  
2,4-Dinitrotoluene  
Concen: 41.865 ng  
RT: 10.104 min Scan# 1362  
Delta R.T. -0.006 min  
Lab File: BF141811.D  
Acq: 03 Mar 2025 14:16

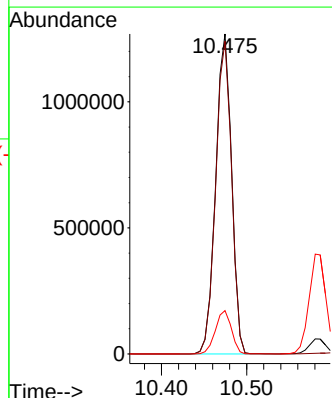
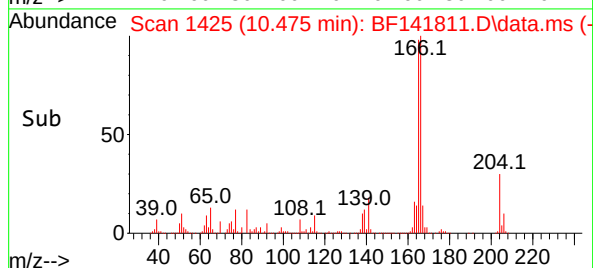
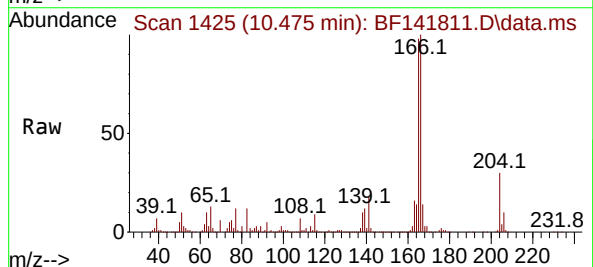
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

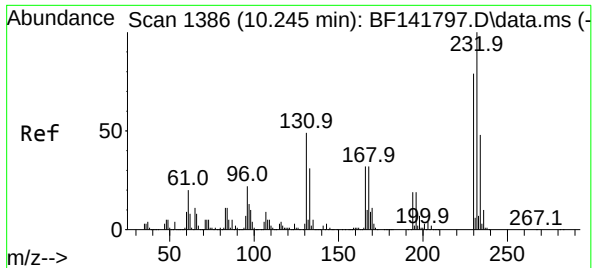
Tgt Ion:165 Resp: 441287  
Ion Ratio Lower Upper  
165 100  
63 50.2 38.8 58.2  
89 79.9 62.6 94.0  
182 2.7 2.2 3.2



#58  
Fluorene  
Concen: 38.979 ng  
RT: 10.475 min Scan# 1425  
Delta R.T. -0.000 min  
Lab File: BF141811.D  
Acq: 03 Mar 2025 14:16

Tgt Ion:166 Resp: 1646123  
Ion Ratio Lower Upper  
166 100  
165 97.7 78.6 117.8  
167 13.6 11.0 16.4

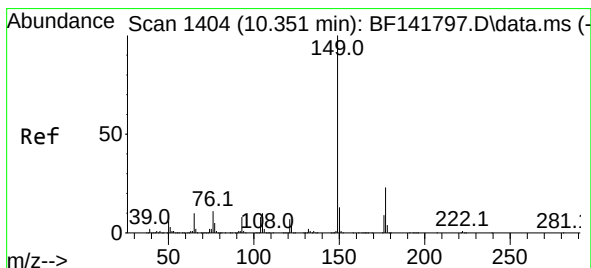
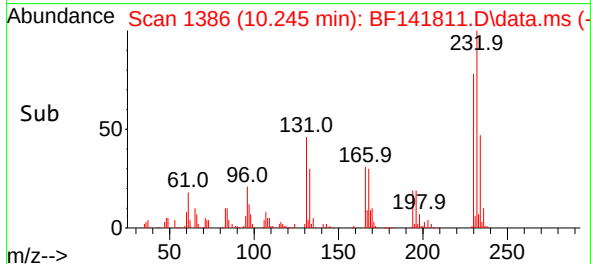
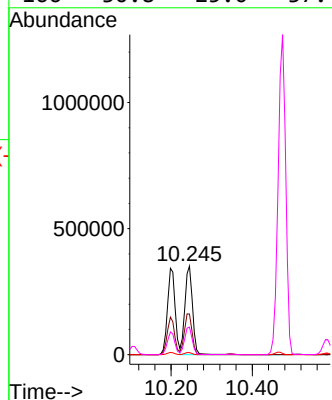
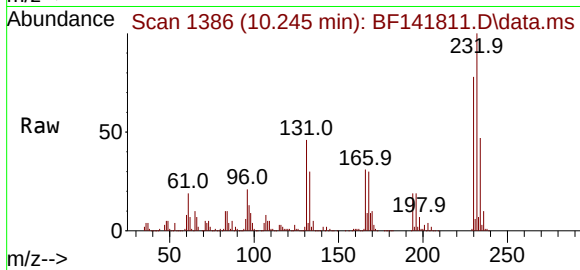




#59  
2,3,4,6-Tetrachlorophenol  
Concen: 41.490 ng  
RT: 10.245 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BF141811.D  
Acq: 03 Mar 2025 14:16

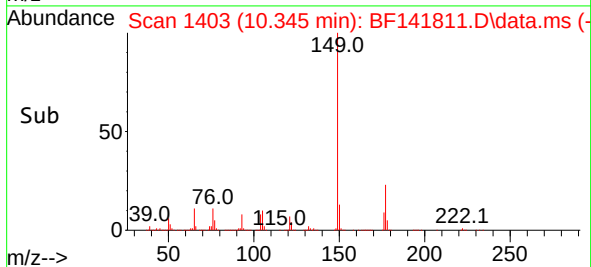
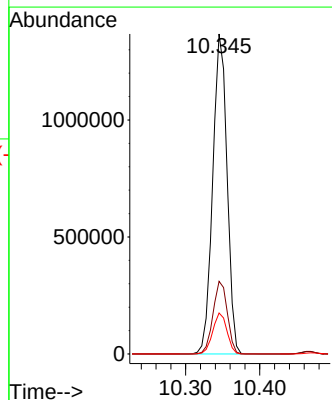
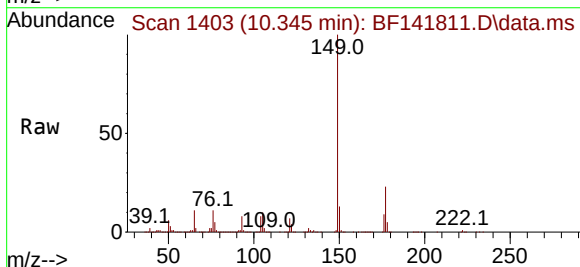
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

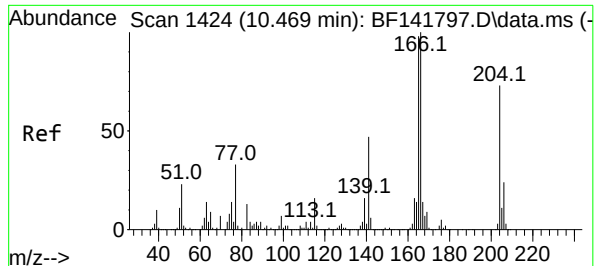
Tgt Ion:232 Resp: 454326  
Ion Ratio Lower Upper  
232 100  
131 47.0 37.8 56.8  
130 2.4 2.0 3.0  
166 30.8 25.0 37.4



#60  
Diethylphthalate  
Concen: 40.051 ng  
RT: 10.345 min Scan# 1403  
Delta R.T. -0.006 min  
Lab File: BF141811.D  
Acq: 03 Mar 2025 14:16

Tgt Ion:149 Resp: 1832531  
Ion Ratio Lower Upper  
149 100  
177 22.7 18.3 27.5  
150 12.8 10.3 15.5

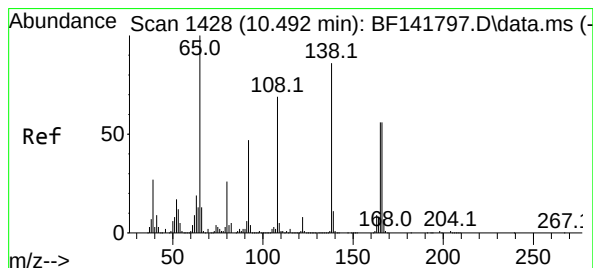
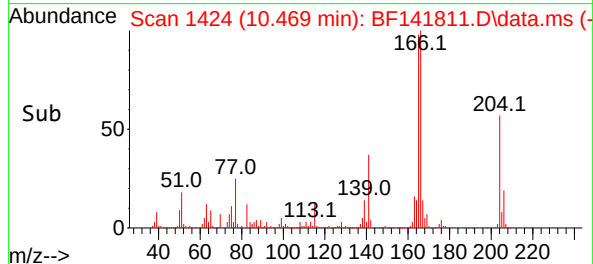
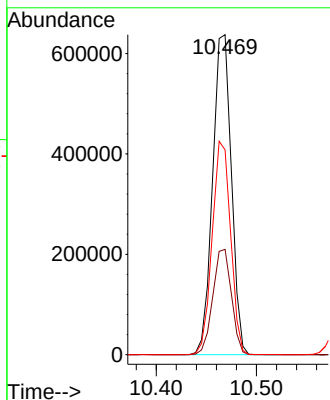
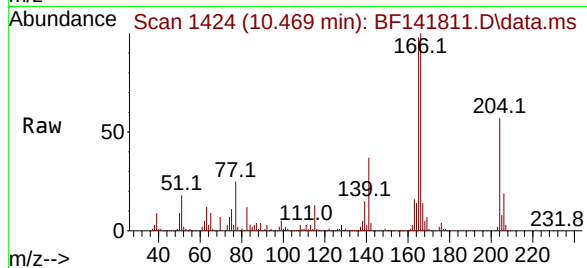




#61  
4-Chlorophenyl-phenylether  
Concen: 39.059 ng  
RT: 10.469 min Scan# 1424  
Delta R.T. -0.000 min  
Lab File: BF141811.D  
Acq: 03 Mar 2025 14:16

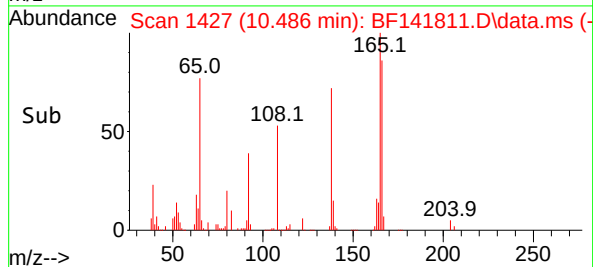
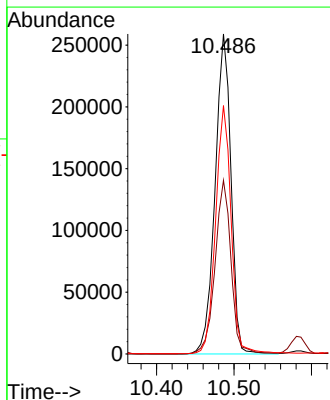
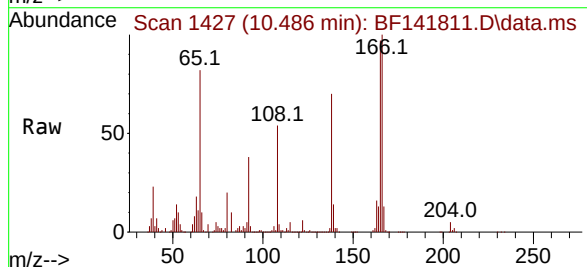
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

Tgt Ion:204 Resp: 826460  
Ion Ratio Lower Upper  
204 100  
206 32.9 26.2 39.4  
141 64.0 51.7 77.5

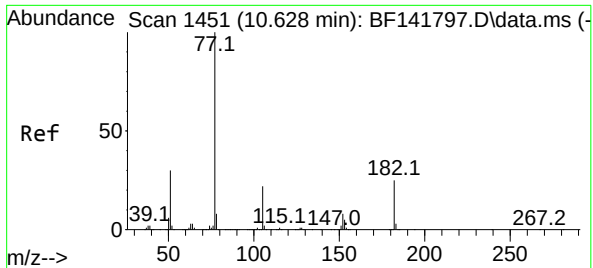


#62  
4-Nitroaniline  
Concen: 47.460 ng  
RT: 10.486 min Scan# 1427  
Delta R.T. -0.006 min  
Lab File: BF141811.D  
Acq: 03 Mar 2025 14:16

Tgt Ion:138 Resp: 369922  
Ion Ratio Lower Upper  
138 100  
92 54.3 34.9 74.9  
108 77.6 59.6 99.6



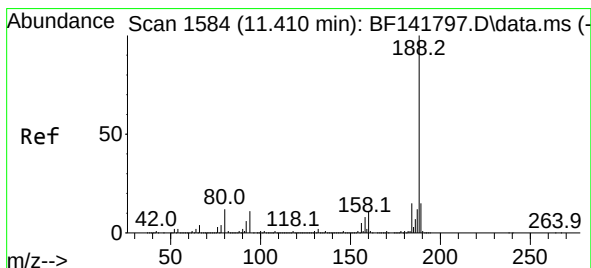
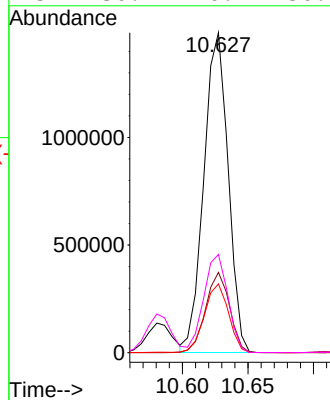
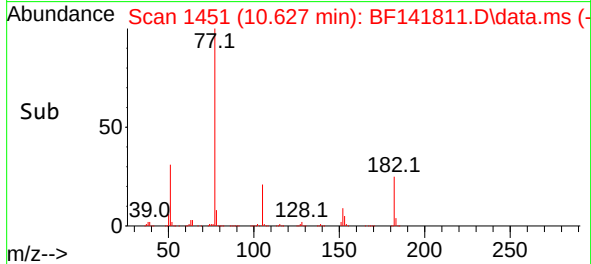
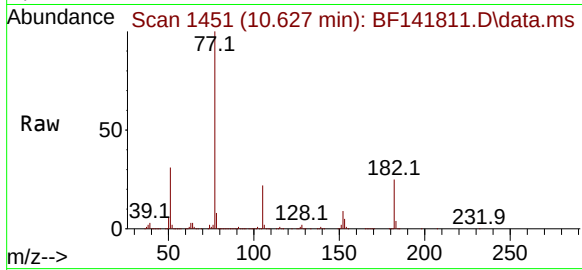




#63  
Azobenzene  
Concen: 39.820 ng  
RT: 10.627 min Scan# 1451  
Delta R.T. -0.000 min  
Lab File: BF141811.D  
Acq: 03 Mar 2025 14:16

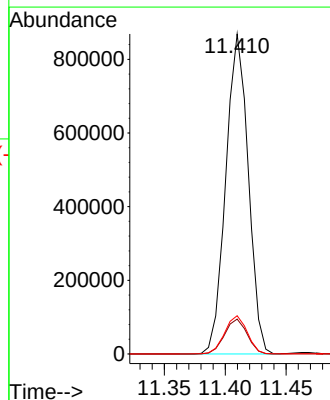
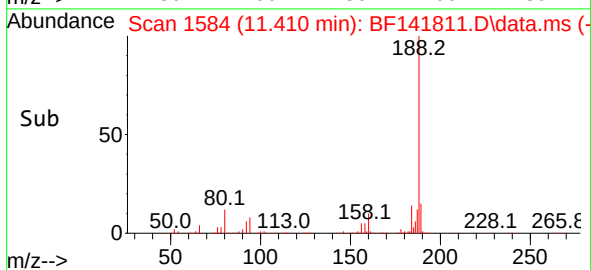
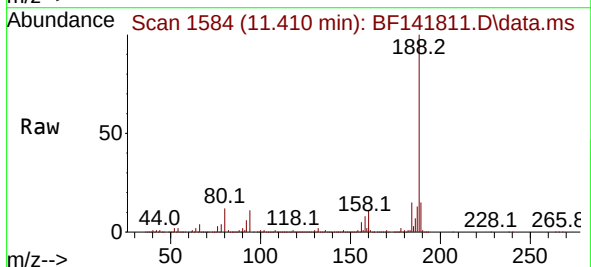
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

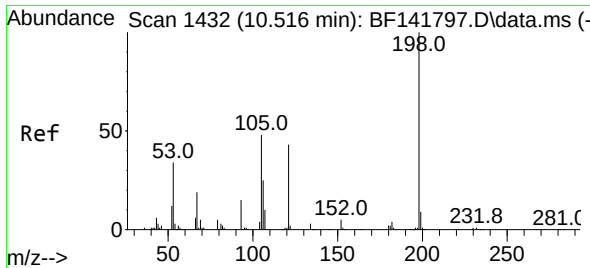
Tgt Ion: 77 Resp: 1918377  
Ion Ratio Lower Upper  
77 100  
182 25.1 4.2 44.2  
105 21.5 1.5 41.5  
51 30.7 10.4 50.4



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.410 min Scan# 1584  
Delta R.T. -0.000 min  
Lab File: BF141811.D  
Acq: 03 Mar 2025 14:16

Tgt Ion: 188 Resp: 1117998  
Ion Ratio Lower Upper  
188 100  
94 10.9 8.9 13.3  
80 12.0 9.7 14.5

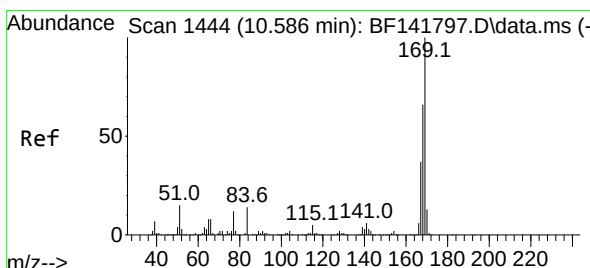
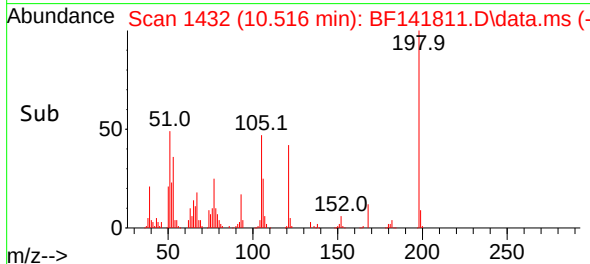
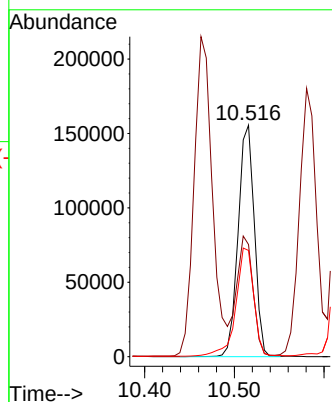
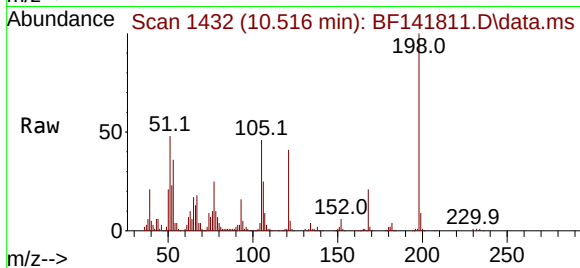




#65  
4,6-Dinitro-2-methylphenol  
Concen: 38.906 ng  
RT: 10.516 min Scan# 1432  
Delta R.T. -0.000 min  
Lab File: BF141811.D  
Acq: 03 Mar 2025 14:16

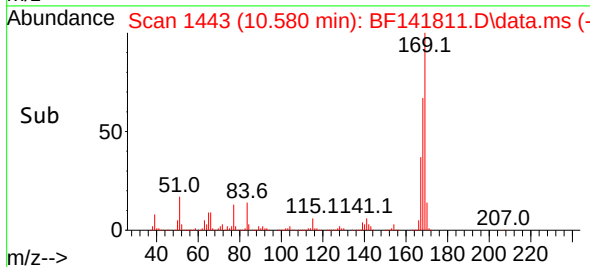
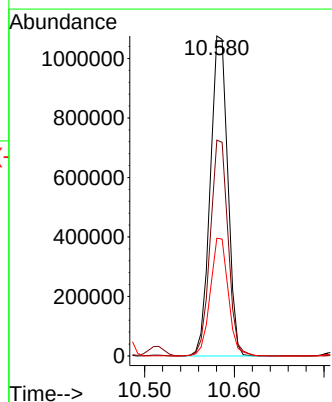
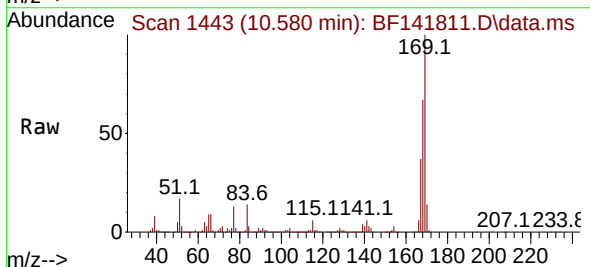
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

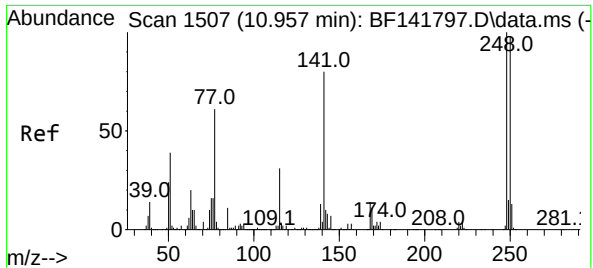
Tgt Ion:198 Resp: 195072  
Ion Ratio Lower Upper  
198 100  
51 48.4 32.1 72.1  
105 45.9 28.5 68.5



#66  
n-Nitrosodiphenylamine  
Concen: 39.590 ng  
RT: 10.580 min Scan# 1443  
Delta R.T. -0.006 min  
Lab File: BF141811.D  
Acq: 03 Mar 2025 14:16

Tgt Ion:169 Resp: 1453388  
Ion Ratio Lower Upper  
169 100  
168 67.5 53.0 79.6  
167 36.8 29.3 43.9

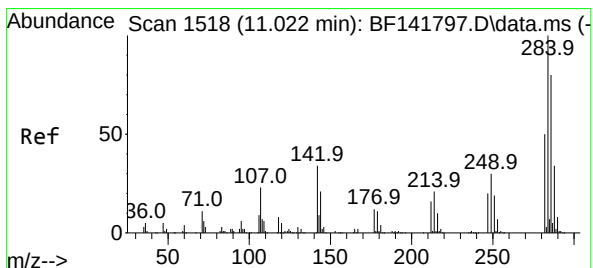
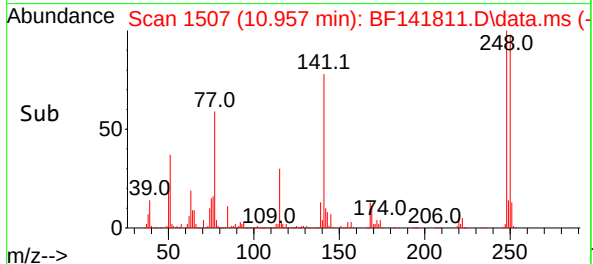
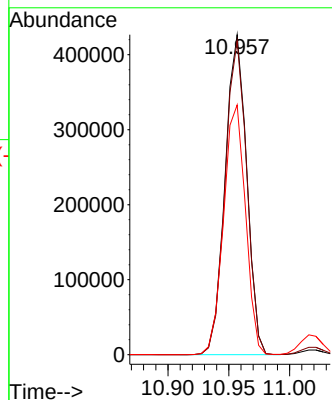
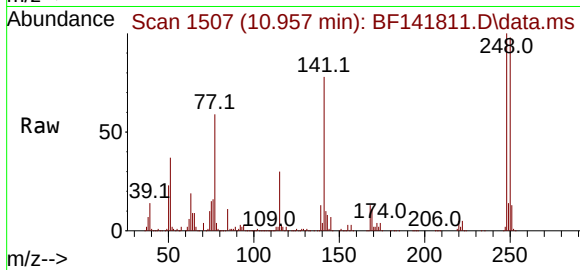




#67  
4-Bromophenyl-phenylether  
Concen: 40.393 ng  
RT: 10.957 min Scan# 1507  
Delta R.T. -0.000 min  
Lab File: BF141811.D  
Acq: 03 Mar 2025 14:16

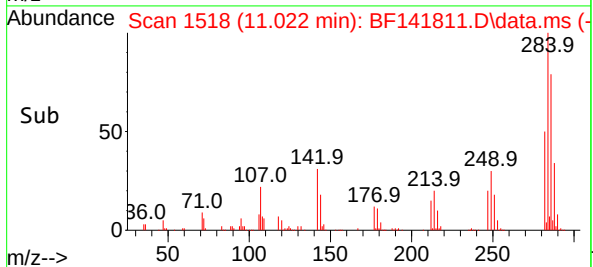
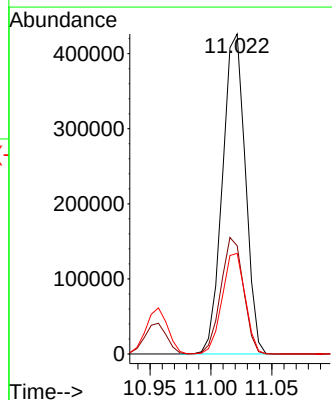
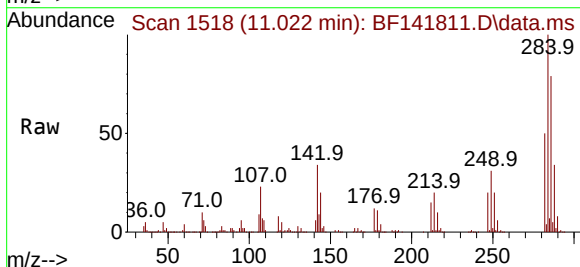
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

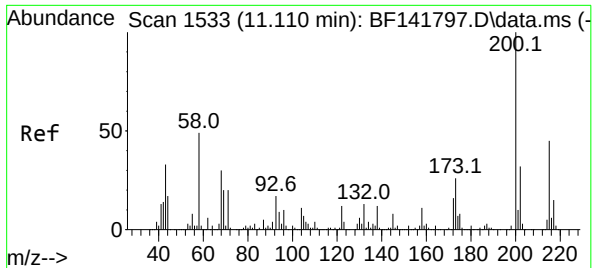
Tgt Ion:248 Resp: 527482  
Ion Ratio Lower Upper  
248 100  
250 98.1 78.1 117.1  
141 78.1 64.3 96.5



#68  
Hexachlorobenzene  
Concen: 40.340 ng  
RT: 11.022 min Scan# 1518  
Delta R.T. -0.000 min  
Lab File: BF141811.D  
Acq: 03 Mar 2025 14:16

Tgt Ion:284 Resp: 556270  
Ion Ratio Lower Upper  
284 100  
142 33.8 28.2 42.2  
249 31.4 25.5 38.3





#69

Atrazine

Concen: 37.468 ng

RT: 11.104 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141811.D

Acq: 03 Mar 2025 14:16

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

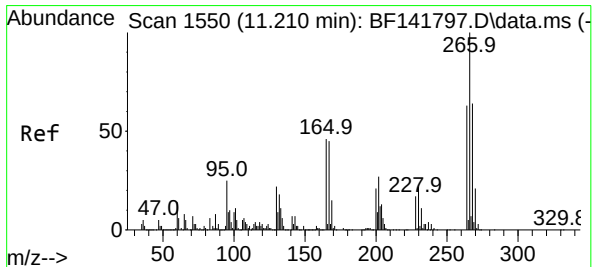
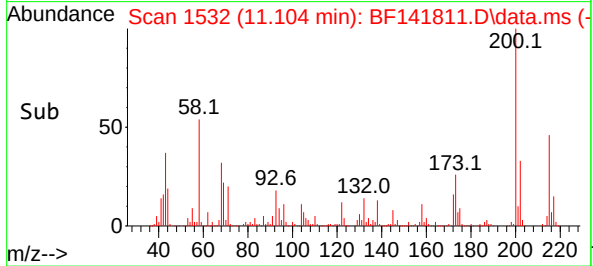
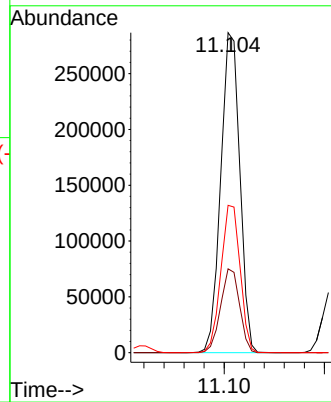
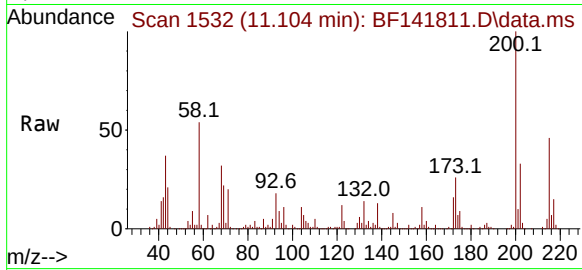
Tgt Ion:200 Resp: 378254

Ion Ratio Lower Upper

200 100

173 26.2 5.6 45.6

215 46.0 25.3 65.3



#70

Pentachlorophenol

Concen: 40.821 ng

RT: 11.210 min Scan# 1550

Delta R.T. -0.000 min

Lab File: BF141811.D

Acq: 03 Mar 2025 14:16

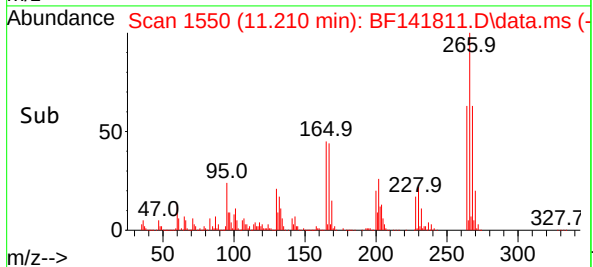
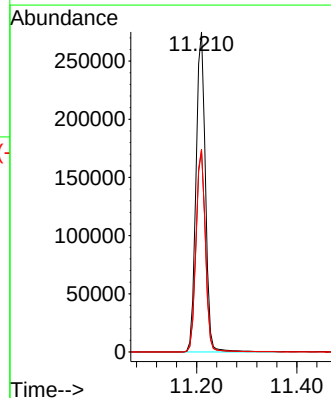
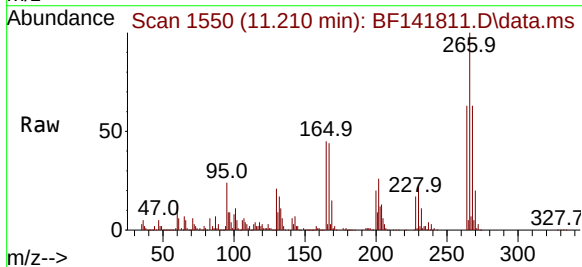
Tgt Ion:266 Resp: 357011

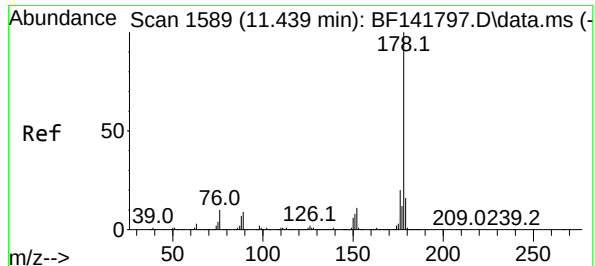
Ion Ratio Lower Upper

266 100

268 63.0 50.9 76.3

264 63.4 50.2 75.4





#71

Phenanthrene

Concen: 39.879 ng

RT: 11.433 min Scan# 1588

Delta R.T. -0.006 min

Lab File: BF141811.D

Acq: 03 Mar 2025 14:16

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

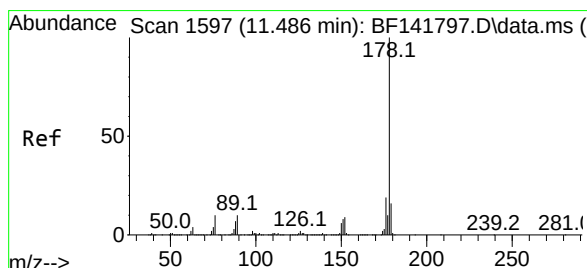
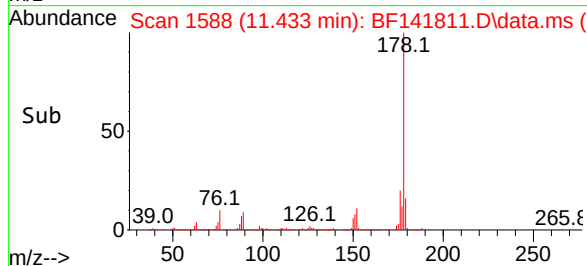
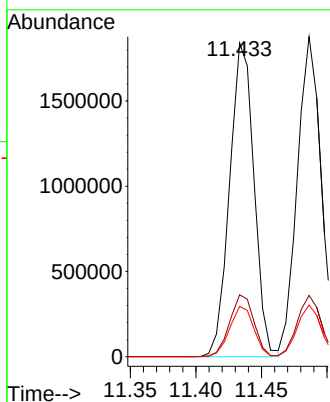
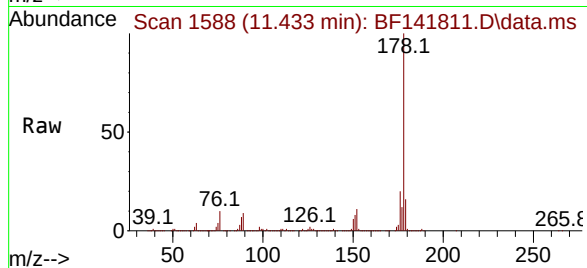
Tgt Ion:178 Resp: 2384850

Ion Ratio Lower Upper

178 100

176 19.8 16.0 24.0

179 16.0 12.6 19.0



#72

Anthracene

Concen: 39.211 ng

RT: 11.486 min Scan# 1597

Delta R.T. -0.000 min

Lab File: BF141811.D

Acq: 03 Mar 2025 14:16

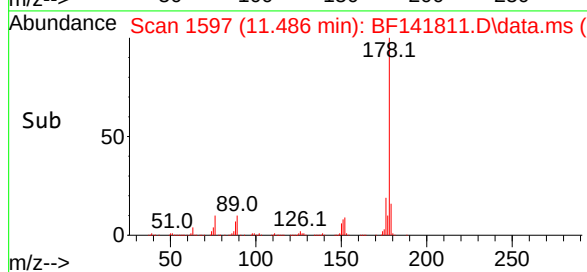
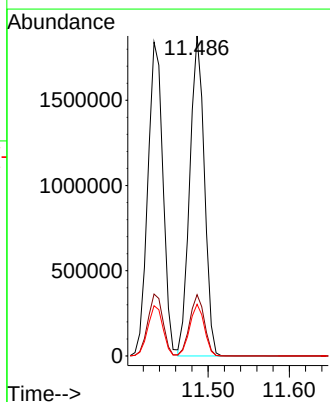
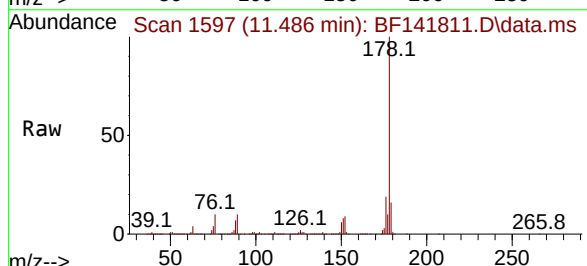
Tgt Ion:178 Resp: 2350089

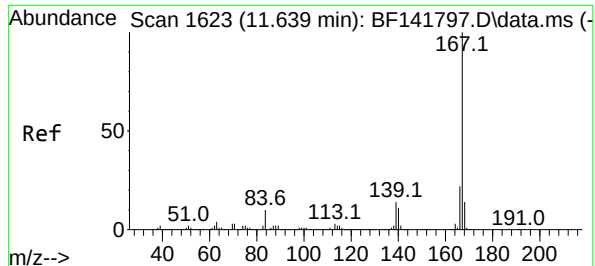
Ion Ratio Lower Upper

178 100

176 19.2 15.4 23.0

179 16.1 12.8 19.2

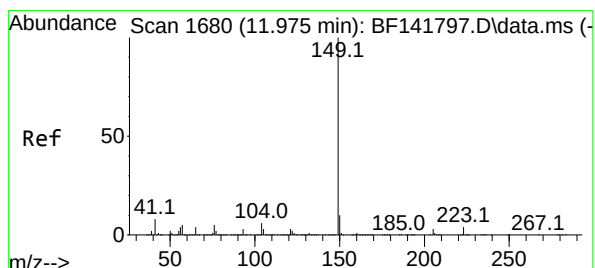
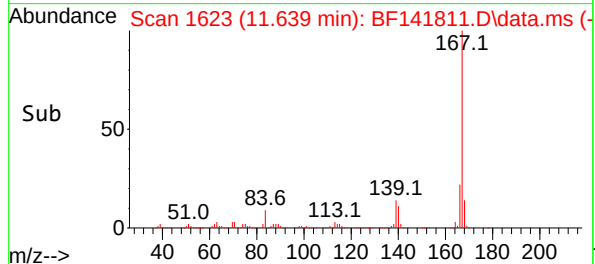
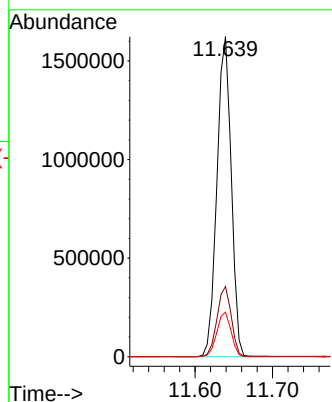
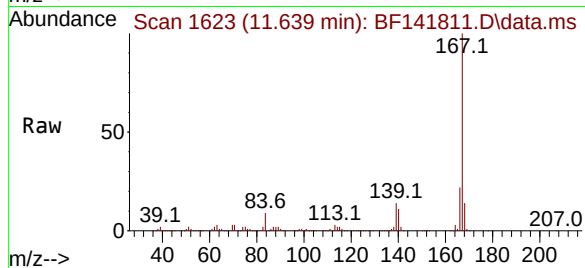




#73  
Carbazole  
Concen: 39.483 ng  
RT: 11.639 min Scan# 1623  
Delta R.T. -0.000 min  
Lab File: BF141811.D  
Acq: 03 Mar 2025 14:16

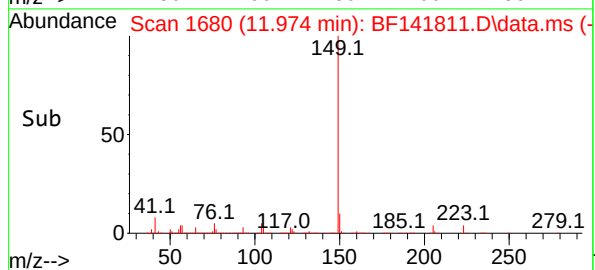
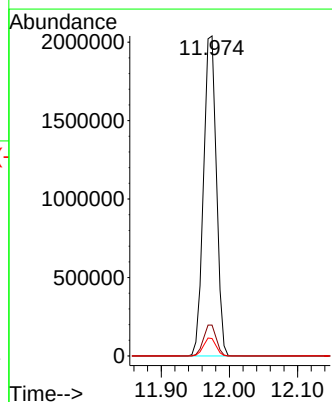
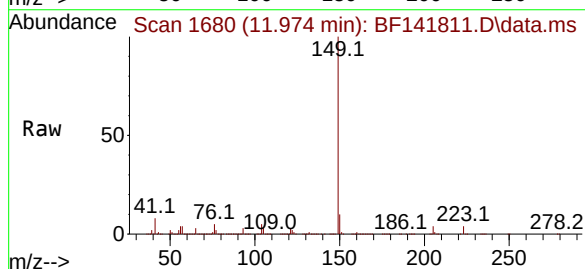
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

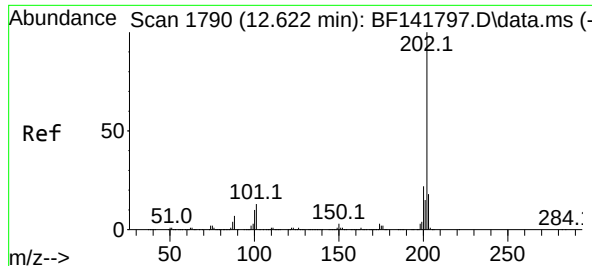
Tgt Ion:167 Resp: 2089718  
Ion Ratio Lower Upper  
167 100  
166 22.0 17.5 26.3  
139 13.9 11.3 16.9



#74  
Di-n-butylphthalate  
Concen: 39.834 ng  
RT: 11.974 min Scan# 1680  
Delta R.T. -0.000 min  
Lab File: BF141811.D  
Acq: 03 Mar 2025 14:16

Tgt Ion:149 Resp: 2672412  
Ion Ratio Lower Upper  
149 100  
150 9.6 7.7 11.5  
104 5.5 4.4 6.6





#75

Fluoranthene

Concen: 39.022 ng

RT: 12.621 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF141811.D

Acq: 03 Mar 2025 14:16

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

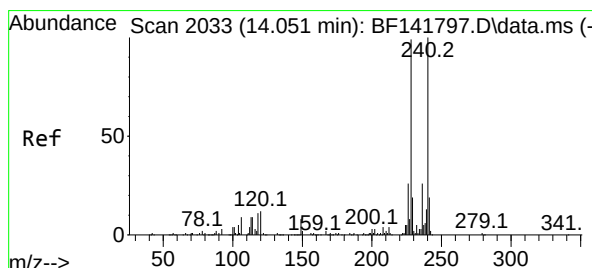
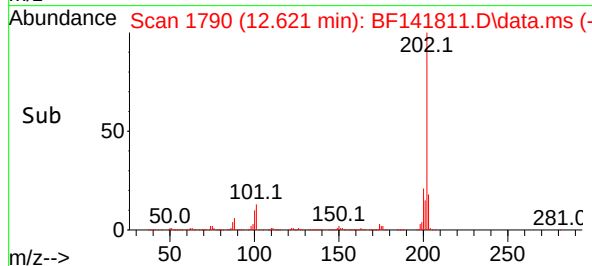
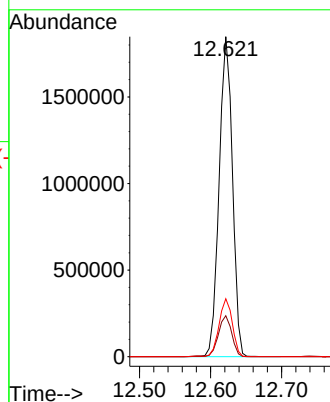
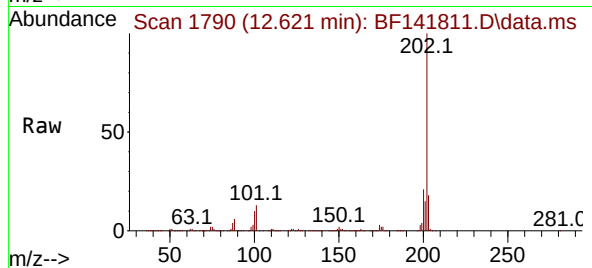
Tgt Ion:202 Resp: 2391153

Ion Ratio Lower Upper

202 100

101 12.8 0.0 32.8

203 18.1 0.0 38.0



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.045 min Scan# 2032

Delta R.T. -0.006 min

Lab File: BF141811.D

Acq: 03 Mar 2025 14:16

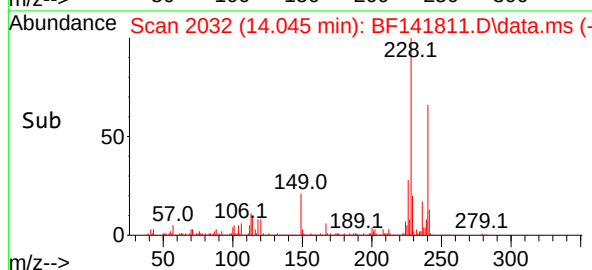
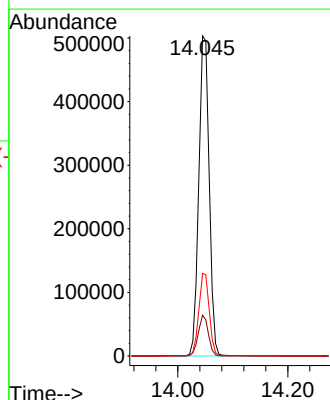
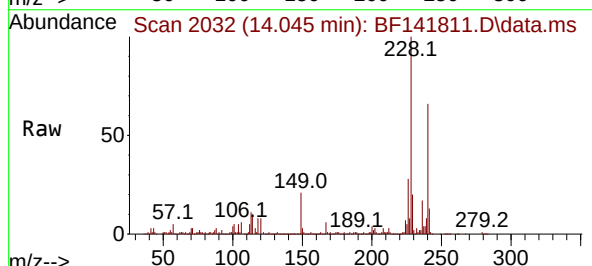
Tgt Ion:240 Resp: 663447

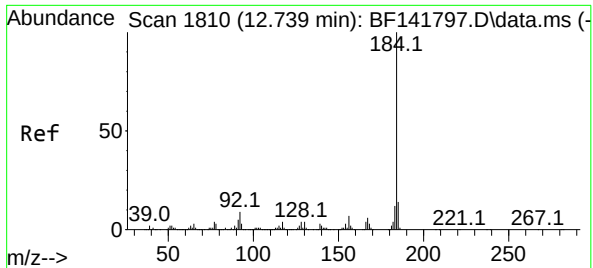
Ion Ratio Lower Upper

240 100

120 12.7 9.7 14.5

236 25.8 21.0 31.4





#77

Benzidine

Concen: 71.996 ng

RT: 12.739 min Scan# 1810

Delta R.T. 0.000 min

Lab File: BF141811.D

Acq: 03 Mar 2025 14:16

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

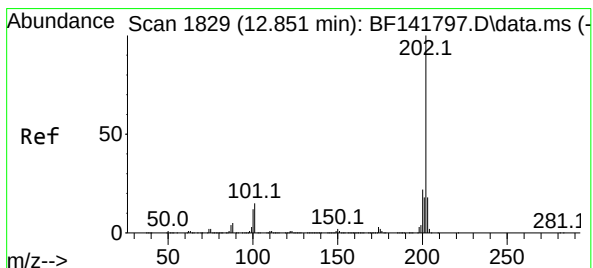
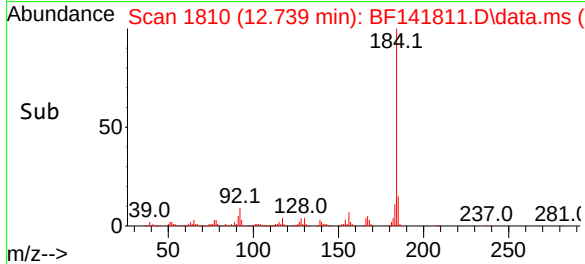
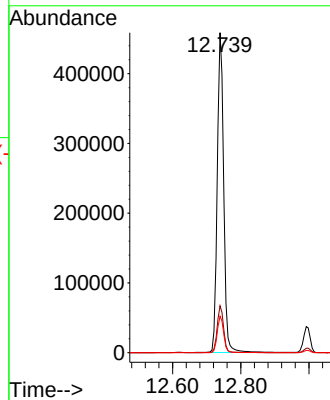
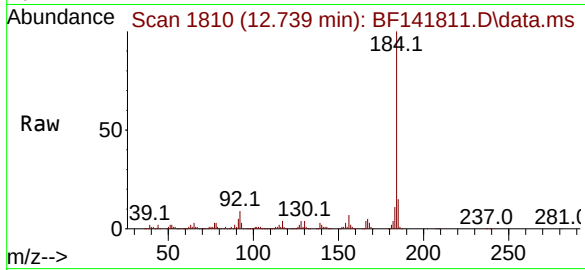
Tgt Ion:184 Resp: 601200

Ion Ratio Lower Upper

184 100

185 14.7 11.6 17.4

183 11.4 9.4 14.0



#78

Pyrene

Concen: 41.845 ng

RT: 12.851 min Scan# 1829

Delta R.T. -0.000 min

Lab File: BF141811.D

Acq: 03 Mar 2025 14:16

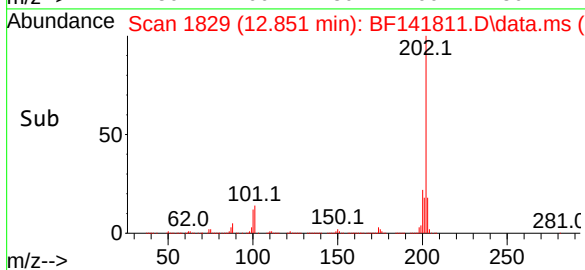
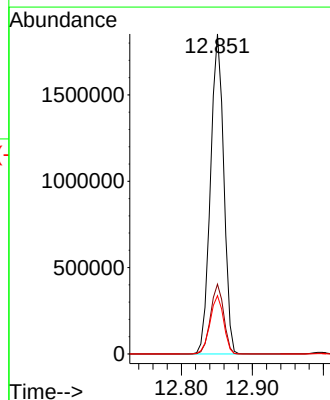
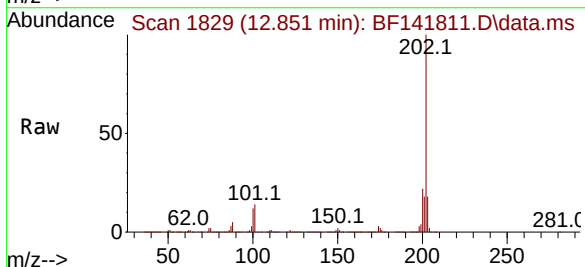
Tgt Ion:202 Resp: 2404003

Ion Ratio Lower Upper

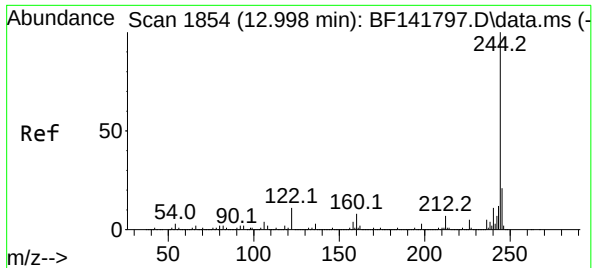
202 100

200 21.8 17.4 26.0

203 18.2 14.6 22.0







#79

Terphenyl-d14

Concen: 81.888 ng

RT: 12.992 min Scan# 1853

Delta R.T. -0.006 min

Lab File: BF141811.D

Acq: 03 Mar 2025 14:16

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

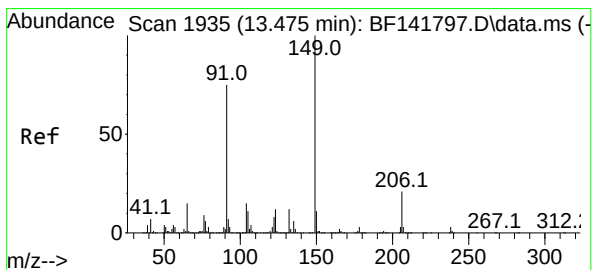
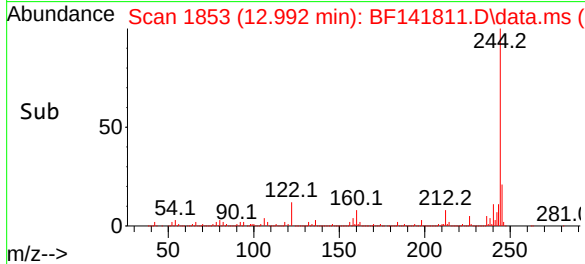
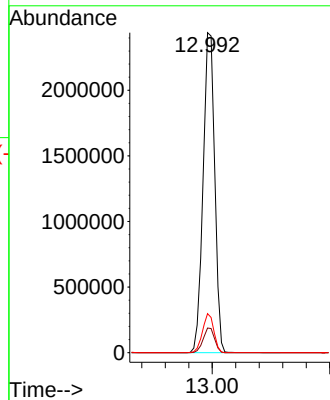
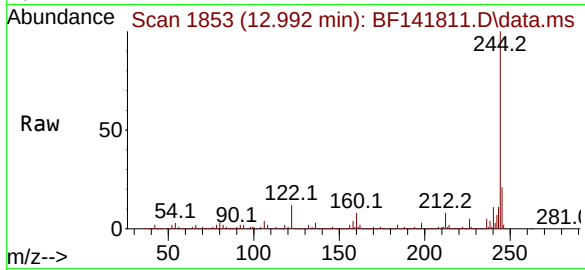
Tgt Ion:244 Resp: 3357923

Ion Ratio Lower Upper

244 100

212 7.7 6.0 9.0

122 12.2 9.0 13.6



#80

Butylbenzylphthalate

Concen: 42.798 ng

RT: 13.468 min Scan# 1934

Delta R.T. -0.006 min

Lab File: BF141811.D

Acq: 03 Mar 2025 14:16

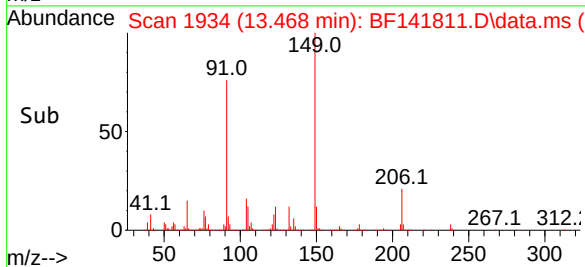
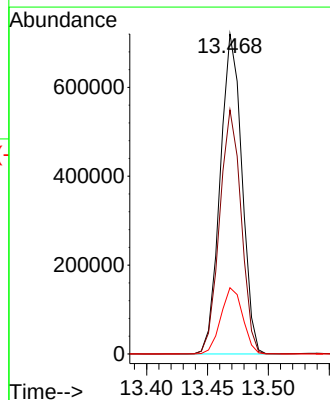
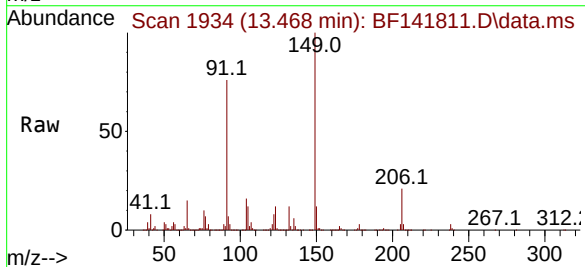
Tgt Ion:149 Resp: 893316

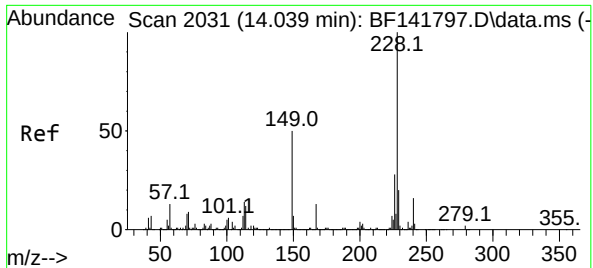
Ion Ratio Lower Upper

149 100

91 76.3 60.1 90.1

206 20.7 16.8 25.2

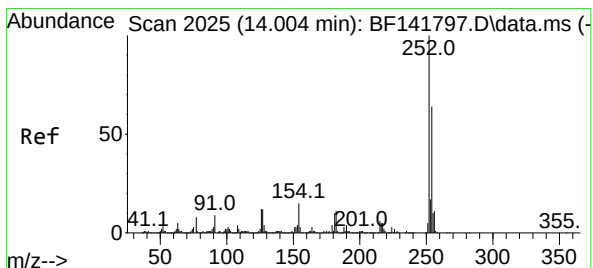
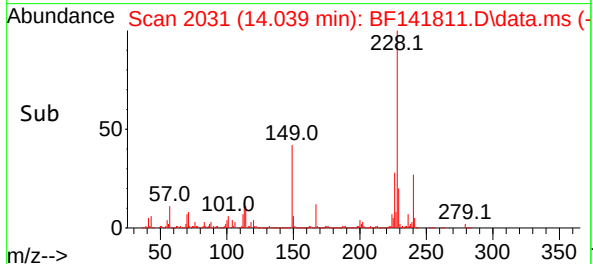
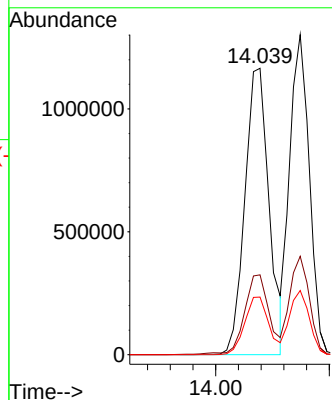
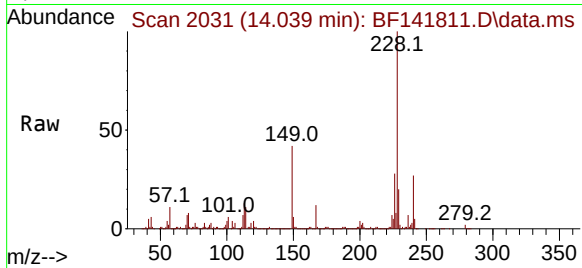




#81  
Benzo(a)anthracene  
Concen: 39.361 ng  
RT: 14.039 min Scan# 2031  
Delta R.T. -0.000 min  
Lab File: BF141811.D  
Acq: 03 Mar 2025 14:16

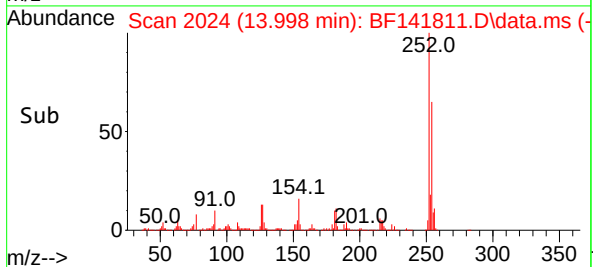
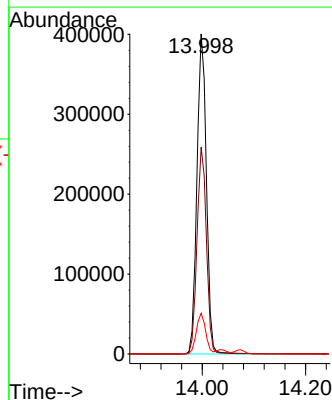
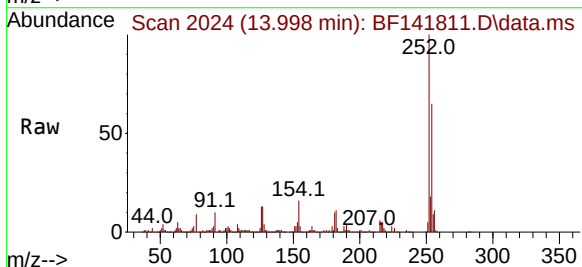
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

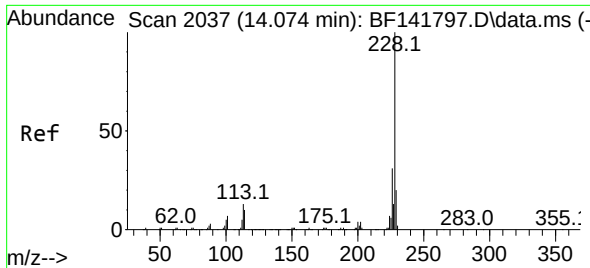
Tgt Ion:228 Resp: 1724858  
Ion Ratio Lower Upper  
228 100  
226 27.9 22.1 33.1  
229 20.1 16.1 24.1



#82  
3,3'-Dichlorobenzidine  
Concen: 40.425 ng  
RT: 13.998 min Scan# 2024  
Delta R.T. -0.006 min  
Lab File: BF141811.D  
Acq: 03 Mar 2025 14:16

Tgt Ion:252 Resp: 508249  
Ion Ratio Lower Upper  
252 100  
254 64.6 51.4 77.0  
126 12.7 9.8 14.6

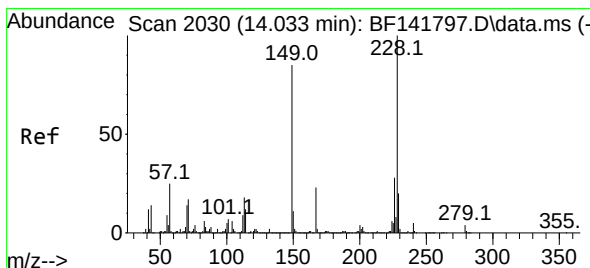
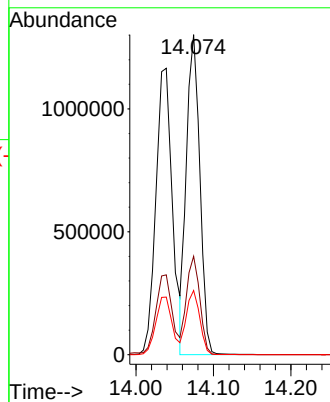
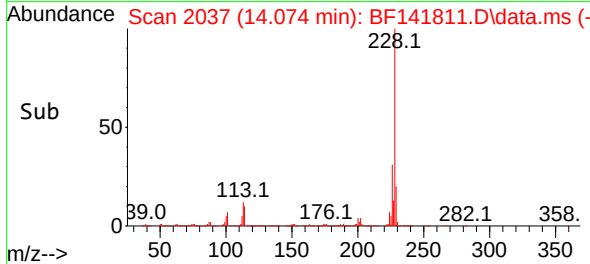
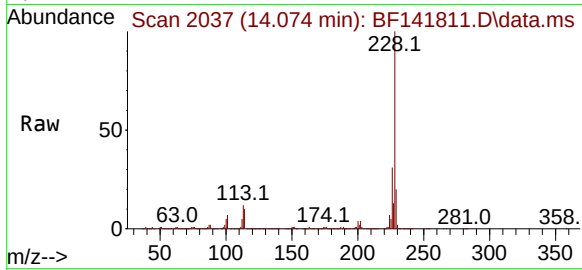




#83  
Chrysene  
Concen: 38.822 ng  
RT: 14.074 min Scan# 2037  
Delta R.T. -0.000 min  
Lab File: BF141811.D  
Acq: 03 Mar 2025 14:16

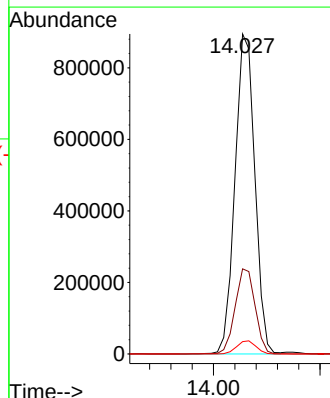
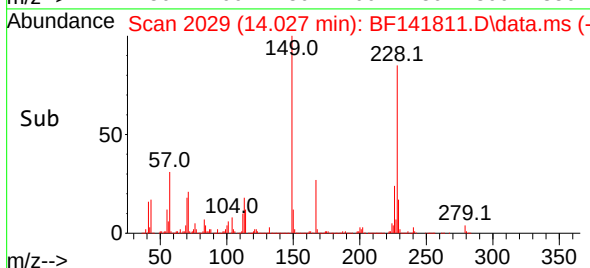
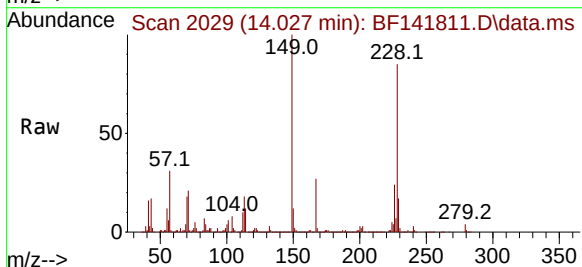
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

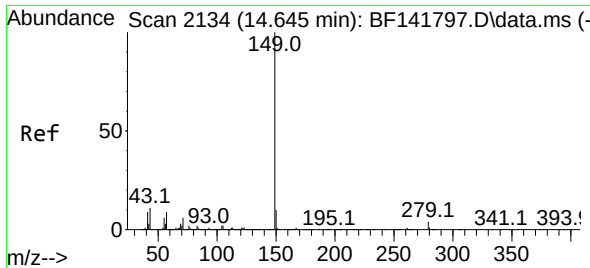
Tgt Ion:228 Resp: 1568254  
Ion Ratio Lower Upper  
228 100  
226 30.8 24.6 37.0  
229 20.1 16.1 24.1



#84  
Bis(2-ethylhexyl)phthalate  
Concen: 44.652 ng  
RT: 14.027 min Scan# 2029  
Delta R.T. -0.006 min  
Lab File: BF141811.D  
Acq: 03 Mar 2025 14:16

Tgt Ion:149 Resp: 1160504  
Ion Ratio Lower Upper  
149 100  
167 26.6 21.2 31.8  
279 3.9 3.3 4.9

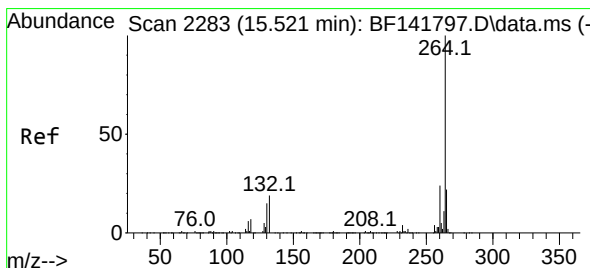
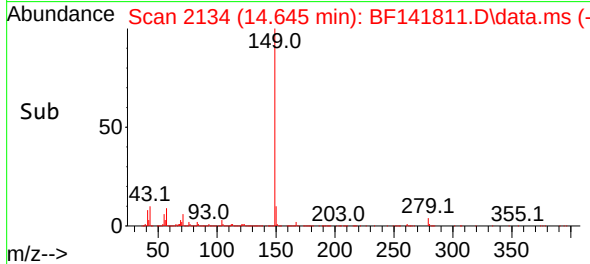
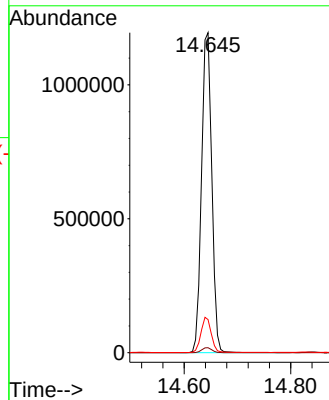
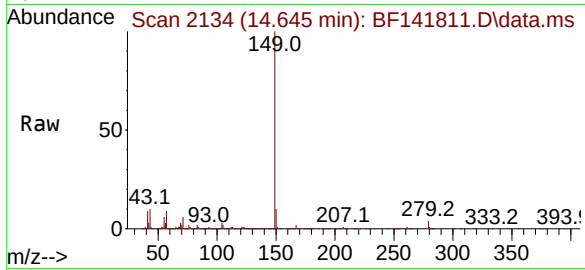




#85  
Di-n-octyl phthalate  
Concen: 40.960 ng  
RT: 14.645 min Scan# 2134  
Delta R.T. -0.000 min  
Lab File: BF141811.D  
Acq: 03 Mar 2025 14:16

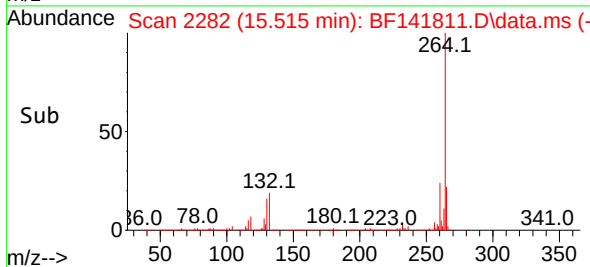
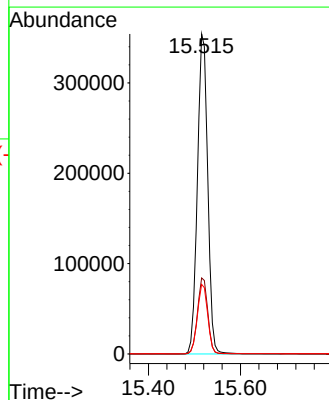
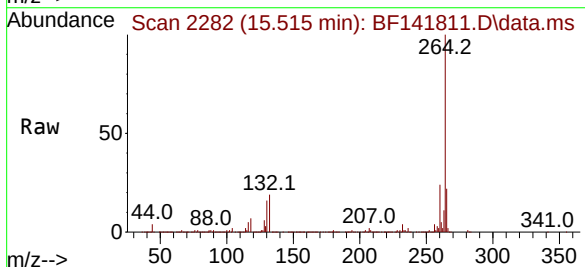
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

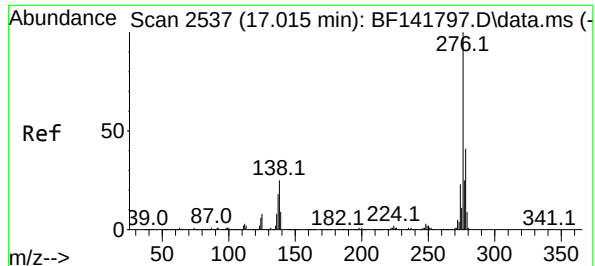
Tgt Ion:149 Resp: 1593758  
Ion Ratio Lower Upper  
149 100  
167 1.6 1.2 1.8  
43 11.0 8.6 12.8



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.515 min Scan# 2282  
Delta R.T. -0.006 min  
Lab File: BF141811.D  
Acq: 03 Mar 2025 14:16

Tgt Ion:264 Resp: 550070  
Ion Ratio Lower Upper  
264 100  
260 23.7 18.9 28.3  
265 21.8 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 41.438 ng

RT: 17.009 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF141811.D

Acq: 03 Mar 2025 14:16

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

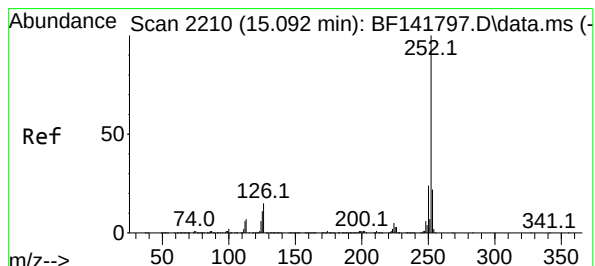
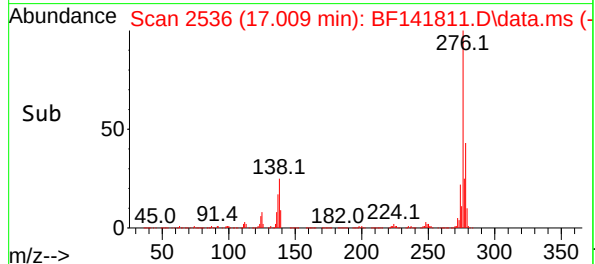
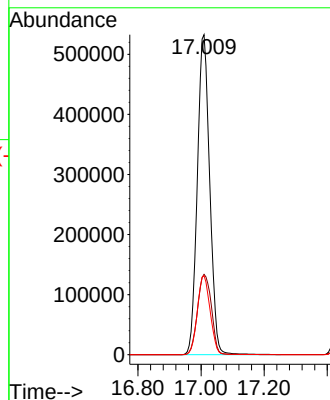
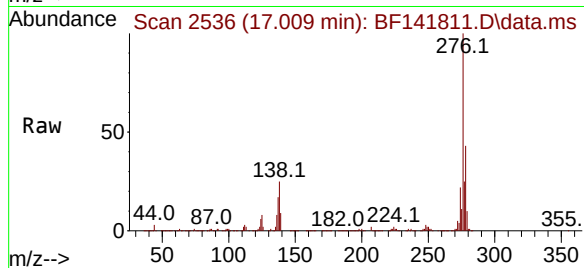
Tgt Ion:276 Resp: 1451423

Ion Ratio Lower Upper

276 100

138 28.1 22.5 33.7

277 25.5 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 41.949 ng

RT: 15.086 min Scan# 2209

Delta R.T. -0.006 min

Lab File: BF141811.D

Acq: 03 Mar 2025 14:16

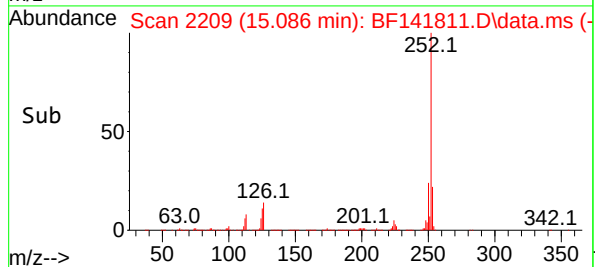
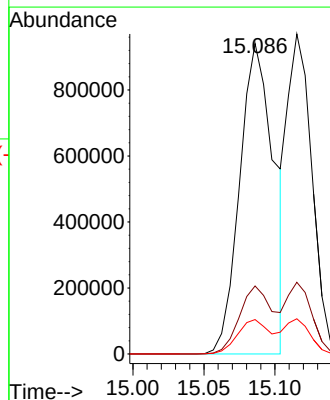
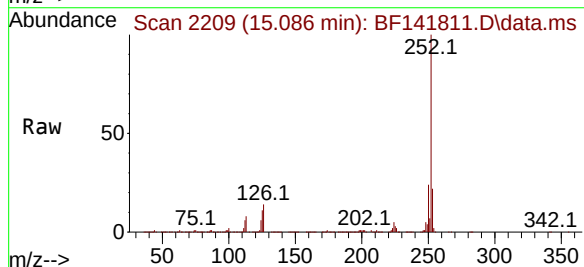
Tgt Ion:252 Resp: 1571815

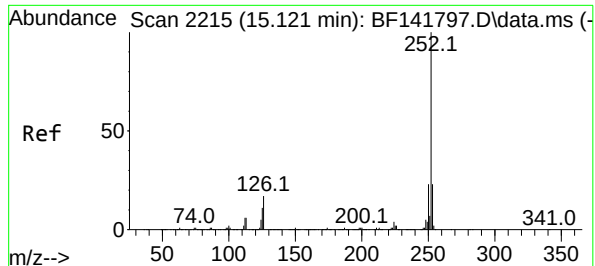
Ion Ratio Lower Upper

252 100

253 21.9 17.7 26.5

125 11.1 8.6 13.0





#89

Benzo(k)fluoranthene

Concen: 36.996 ng

RT: 15.115 min Scan# 2215

Delta R.T. -0.006 min

Lab File: BF141811.D

Acq: 03 Mar 2025 14:16

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

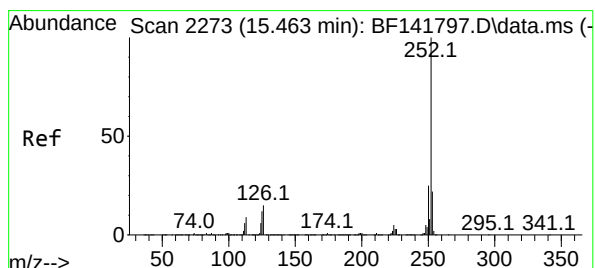
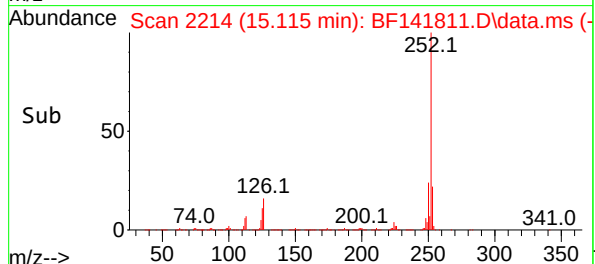
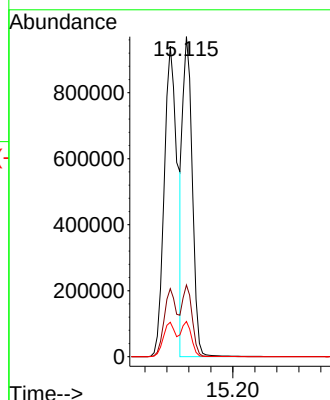
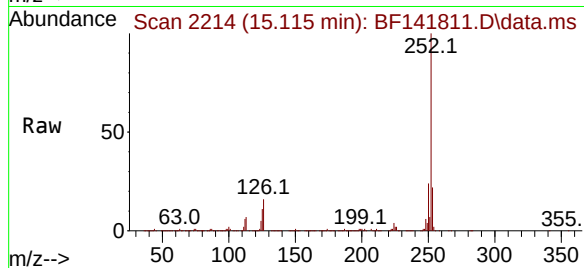
Tgt Ion:252 Resp: 1178221

Ion Ratio Lower Upper

252 100

253 22.4 17.8 26.8

125 11.0 8.8 13.2



#90

Benzo(a)pyrene

Concen: 39.847 ng

RT: 15.457 min Scan# 2272

Delta R.T. -0.006 min

Lab File: BF141811.D

Acq: 03 Mar 2025 14:16

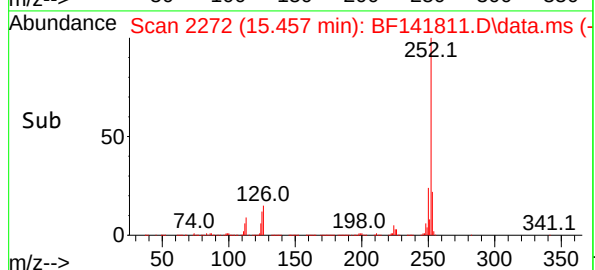
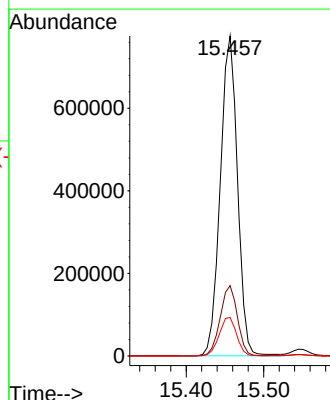
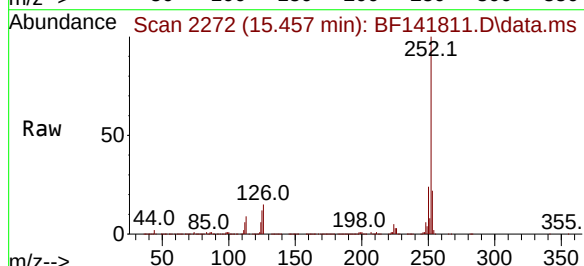
Tgt Ion:252 Resp: 1197380

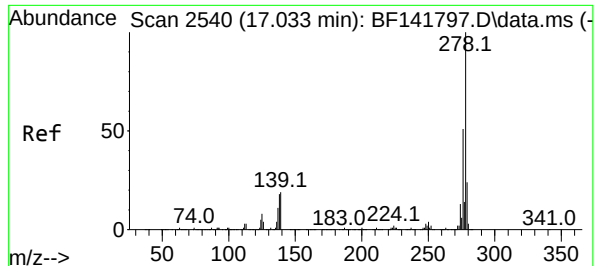
Ion Ratio Lower Upper

252 100

253 22.0 17.5 26.3

125 12.1 9.4 14.2





#91

Dibenzo(a,h)anthracene

Concen: 42.140 ng

RT: 17.027 min Scan# 2539

Delta R.T. -0.006 min

Lab File: BF141811.D

Acq: 03 Mar 2025 14:16

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

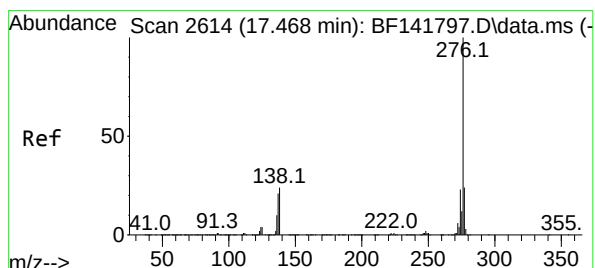
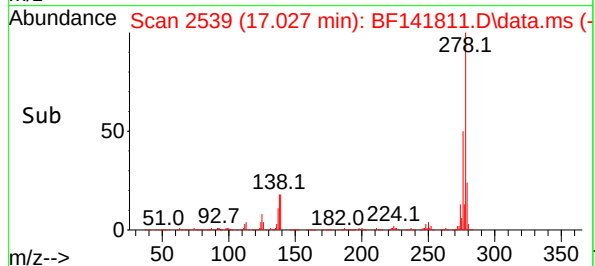
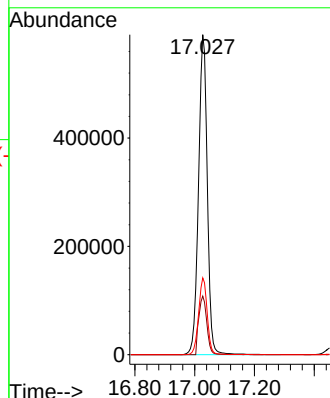
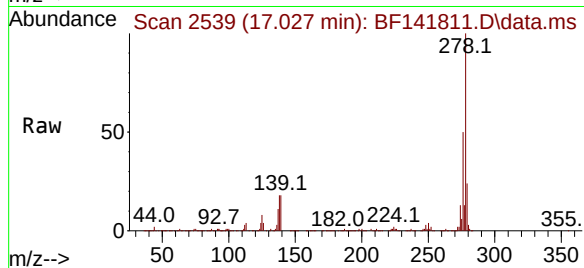
Tgt Ion:278 Resp: 1204833

Ion Ratio Lower Upper

278 100

139 18.3 14.9 22.3

279 24.0 19.3 28.9



#92

Benzo(g,h,i)perylene

Concen: 41.789 ng

RT: 17.462 min Scan# 2613

Delta R.T. -0.006 min

Lab File: BF141811.D

Acq: 03 Mar 2025 14:16

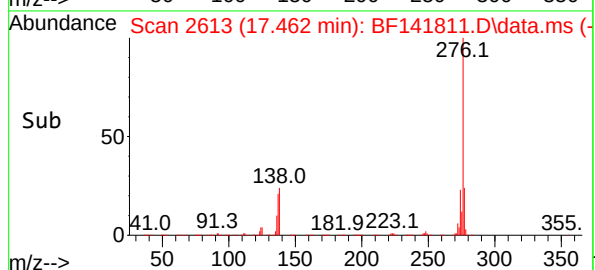
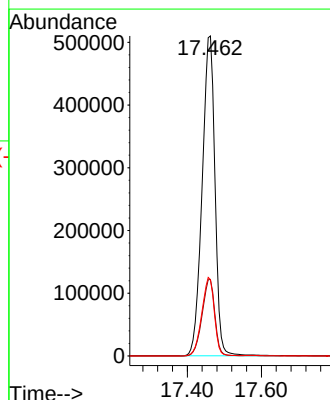
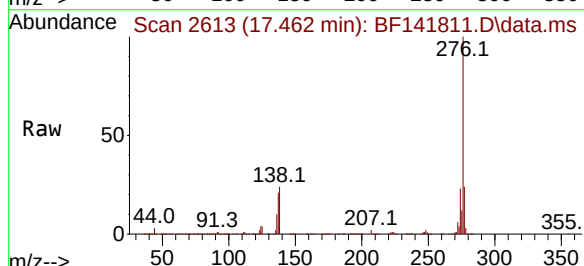
Tgt Ion:276 Resp: 1224009

Ion Ratio Lower Upper

276 100

277 23.9 19.4 29.0

138 23.9 19.3 28.9



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF030325\  
 Data File : BF141811.D  
 Acq On : 03 Mar 2025 14:16  
 Operator : RC/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Mar 03 15:34:23 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF022725.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Feb 28 01:48:16 2025  
 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  | 116   | 0.00     |
| 2    | 1,4-Dioxane                 | 0.568 | 0.571 | -0.5 | 111   | 0.00     |
| 3    | Pyridine                    | 1.414 | 1.405 | 0.6  | 110   | 0.00     |
| 4    | n-Nitrosodimethylamine      | 0.680 | 0.694 | -2.1 | 110   | 0.00     |
| 5 S  | 2-Fluorophenol              | 1.252 | 1.206 | 3.7  | 108   | 0.00     |
| 6    | Aniline                     | 1.695 | 1.633 | 3.7  | 104   | 0.00     |
| 7 S  | Phenol-d6                   | 1.630 | 1.561 | 4.2  | 107   | 0.00     |
| 8    | 2-Chlorophenol              | 1.355 | 1.309 | 3.4  | 107   | 0.00     |
| 9    | Benzaldehyde                | 0.948 | 0.816 | 13.9 | 96    | 0.00     |
| 10 C | Phenol                      | 1.742 | 1.675 | 3.8  | 106   | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.328 | 1.295 | 2.5  | 112   | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.451 | 1.422 | 2.0  | 109   | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.462 | 1.430 | 2.2  | 109   | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.365 | 1.324 | 3.0  | 109   | 0.00     |
| 15   | Benzyl Alcohol              | 1.303 | 1.241 | 4.8  | 105   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 2.016 | 1.972 | 2.2  | 110   | 0.00     |
| 17   | 2-Methylphenol              | 1.118 | 1.084 | 3.0  | 108   | 0.00     |
| 18   | Hexachloroethane            | 0.547 | 0.527 | 3.7  | 105   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 1.072 | 1.002 | 6.5  | 107   | 0.00     |
| 20   | 3+4-Methylphenols           | 1.392 | 1.327 | 4.7  | 106   | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0  | 110   | 0.00     |
| 22   | Acetophenone                | 0.487 | 0.481 | 1.2  | 107   | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.313 | 0.341 | -8.9 | 110   | 0.00     |
| 24   | Nitrobenzene                | 0.335 | 0.356 | -6.3 | 108   | 0.00     |
| 25   | Isophorone                  | 0.672 | 0.654 | 2.7  | 106   | 0.00     |
| 26 C | 2-Nitrophenol               | 0.127 | 0.137 | -7.9 | 105   | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.247 | 0.244 | 1.2  | 106   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.429 | 0.420 | 2.1  | 107   | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.285 | 0.286 | -0.4 | 106   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.312 | 0.312 | 0.0  | 108   | 0.00     |
| 31   | Naphthalene                 | 1.028 | 1.010 | 1.8  | 107   | 0.00     |
| 32   | Benzoic acid                | 0.179 | 0.184 | -2.8 | 106   | 0.00     |
| 33   | 4-Chloroaniline             | 0.377 | 0.368 | 2.4  | 107   | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.194 | 0.194 | 0.0  | 108   | 0.00     |
| 35   | Caprolactam                 | 0.088 | 0.088 | 0.0  | 106   | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 0.317 | 0.311 | 1.9  | 105   | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.674 | 0.657 | 2.5  | 107   | 0.00     |
| 38   | 1-Methylnaphthalene         | 0.647 | 0.635 | 1.9  | 108   | 0.00     |
| 39 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0  | 109   | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 0.578 | 0.577 | 0.2  | 107   | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 0.241 | 0.235 | 2.5  | 99    | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 0.188 | 0.187 | 0.5  | 102   | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 0.373 | 0.367 | 1.6  | 101   | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 0.369 | 0.391 | -6.0 | 111   | 0.00     |
| 45 S | 2-Fluorobiphenyl            | 1.247 | 1.214 | 2.6  | 107   | 0.00     |
| 46   | 1,1'-Biphenyl               | 1.522 | 1.522 | 0.0  | 109   | 0.00     |
| 47   | 2-Chloronaphthalene         | 1.124 | 1.134 | -0.9 | 109   | 0.00     |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF030325\  
 Data File : BF141811.D  
 Acq On : 03 Mar 2025 14:16  
 Operator : RC/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Mar 03 15:34:23 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF022725.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Feb 28 01:48:16 2025  
 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             | 0.260 | 0.310 | -19.2  | 113   | 0.00     |
| 49   | Acenaphthylene             | 1.685 | 1.682 | 0.2    | 107   | 0.00     |
| 50   | Dimethylphthalate          | 1.339 | 1.335 | 0.3    | 107   | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 0.226 | 0.259 | -14.6  | 110   | 0.00     |
| 52 C | Acenaphthene               | 1.137 | 1.136 | 0.1    | 108   | 0.00     |
| 53   | 3-Nitroaniline             | 0.241 | 0.276 | -14.5  | 108   | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 0.089 | 0.096 | -7.9   | 113   | 0.00     |
| 55   | Dibenzofuran               | 1.654 | 1.635 | 1.1    | 107   | 0.00     |
| 56 P | 4-Nitrophenol              | 0.198 | 0.219 | -10.6  | 105   | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 0.269 | 0.324 | -20.4  | 113   | 0.00     |
| 58   | Fluorene                   | 1.239 | 1.208 | 2.5    | 107   | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 0.321 | 0.333 | -3.7   | 107   | 0.00     |
| 60   | Diethylphthalate           | 1.343 | 1.344 | -0.1   | 106   | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 0.621 | 0.606 | 2.4    | 107   | 0.00     |
| 62   | 4-Nitroaniline             | 0.229 | 0.271 | -18.3  | 111   | 0.00     |
| 63   | Azobenzene                 | 1.414 | 1.407 | 0.5    | 107   | 0.00     |
| 64 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0    | 108   | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 0.081 | 0.087 | -7.4   | 109   | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 0.657 | 0.650 | 1.1    | 106   | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 0.234 | 0.236 | -0.9   | 107   | 0.00     |
| 68   | Hexachlorobenzene          | 0.247 | 0.249 | -0.8   | 107   | 0.00     |
| 69   | Atrazine                   | 0.181 | 0.169 | 6.6    | 102   | 0.00     |
| 70 C | Pentachlorophenol          | 0.156 | 0.160 | -2.6   | 103   | 0.00     |
| 71   | Phenanthrene               | 1.070 | 1.067 | 0.3    | 108   | 0.00     |
| 72   | Anthracene                 | 1.072 | 1.051 | 2.0    | 107   | 0.00     |
| 73   | Carbazole                  | 0.947 | 0.935 | 1.3    | 106   | 0.00     |
| 74   | Di-n-butylphthalate        | 1.200 | 1.195 | 0.4    | 107   | 0.00     |
| 75 C | Fluoranthene               | 1.096 | 1.069 | 2.5    | 106   | 0.00     |
| 76 I | Chrysene-d12               | 1.000 | 1.000 | 0.0    | 105   | 0.00     |
| 77   | Benzydine                  | 0.252 | 0.453 | -79.8# | 184#  | 0.00     |
| 78   | Pyrene                     | 1.732 | 1.812 | -4.6   | 106   | 0.00     |
| 79 S | Terphenyl-d14              | 1.236 | 1.265 | -2.3   | 106   | 0.00     |
| 80   | Butylbenzylphthalate       | 0.629 | 0.673 | -7.0   | 106   | 0.00     |
| 81   | Benzo(a)anthracene         | 1.321 | 1.300 | 1.6    | 104   | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 0.379 | 0.383 | -1.1   | 103   | 0.00     |
| 83   | Chrysene                   | 1.218 | 1.182 | 3.0    | 99    | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 0.783 | 0.875 | -11.7  | 111   | 0.00     |
| 85 c | Di-n-octyl phthalate       | 1.173 | 1.201 | -2.4   | 97    | 0.00     |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0    | 97    | 0.00     |
| 87   | Indeno(1,2,3-cd)pyrene     | 1.274 | 1.319 | -3.5   | 95    | 0.00     |
| 88   | Benzo(b)fluoranthene       | 1.362 | 1.429 | -4.9   | 106   | 0.00     |
| 89   | Benzo(k)fluoranthene       | 1.158 | 1.071 | 7.5    | 86    | 0.00     |
| 90 C | Benzo(a)pyrene             | 1.093 | 1.088 | 0.5    | 94    | 0.00     |
| 91   | Dibenzo(a,h)anthracene     | 1.040 | 1.095 | -5.3   | 96    | 0.00     |
| 92   | Benzo(g,h,i)perylene       | 1.065 | 1.113 | -4.5   | 96    | 0.00     |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF030325\  
Data File : BF141811.D  
Acq On : 03 Mar 2025 14:16  
Operator : RC/JU  
Sample : SSTDCCC040  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_F  
LabSampleId :  
SSTDCCC040

Quant Time: Mar 03 15:34:23 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF022725.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Feb 28 01:48:16 2025  
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\BF030325\  
 Data File : BF141811.D  
 Acq On : 03 Mar 2025 14:16  
 Operator : RC/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Mar 03 15:34:23 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF022725.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Feb 28 01:48:16 2025  
 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  | 116   | 0.00     |
| 2    | 1,4-Dioxane                 | 40.000 | 40.191 | -0.5 | 111   | 0.00     |
| 3    | Pyridine                    | 40.000 | 39.758 | 0.6  | 110   | 0.00     |
| 4    | n-Nitrosodimethylamine      | 40.000 | 40.791 | -2.0 | 110   | 0.00     |
| 5 S  | 2-Fluorophenol              | 80.000 | 77.020 | 3.7  | 108   | 0.00     |
| 6    | Aniline                     | 40.000 | 38.537 | 3.7  | 104   | 0.00     |
| 7 S  | Phenol-d6                   | 80.000 | 76.623 | 4.2  | 107   | 0.00     |
| 8    | 2-Chlorophenol              | 40.000 | 38.638 | 3.4  | 107   | 0.00     |
| 9    | Benzaldehyde                | 40.000 | 34.415 | 14.0 | 96    | 0.00     |
| 10 C | Phenol                      | 40.000 | 38.467 | 3.8  | 106   | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 40.000 | 39.010 | 2.5  | 112   | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 40.000 | 39.209 | 2.0  | 109   | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 40.000 | 39.124 | 2.2  | 109   | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 40.000 | 38.805 | 3.0  | 109   | 0.00     |
| 15   | Benzyl Alcohol              | 40.000 | 38.099 | 4.8  | 105   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 40.000 | 39.111 | 2.2  | 110   | 0.00     |
| 17   | 2-Methylphenol              | 40.000 | 38.767 | 3.1  | 108   | 0.00     |
| 18   | Hexachloroethane            | 40.000 | 38.521 | 3.7  | 105   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 40.000 | 37.397 | 6.5  | 107   | 0.00     |
| 20   | 3+4-Methylphenols           | 40.000 | 38.120 | 4.7  | 106   | 0.00     |
| 21 I | Naphthalene-d8              | 20.000 | 20.000 | 0.0  | 110   | 0.00     |
| 22   | Acetophenone                | 40.000 | 39.497 | 1.3  | 107   | 0.00     |
| 23 S | Nitrobenzene-d5             | 80.000 | 87.275 | -9.1 | 110   | 0.00     |
| 24   | Nitrobenzene                | 40.000 | 42.553 | -6.4 | 108   | 0.00     |
| 25   | Isophorone                  | 40.000 | 38.938 | 2.7  | 106   | 0.00     |
| 26 C | 2-Nitrophenol               | 40.000 | 37.751 | 5.6  | 105   | 0.00     |
| 27   | 2,4-Dimethylphenol          | 40.000 | 39.462 | 1.3  | 106   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 40.000 | 39.225 | 1.9  | 107   | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 40.000 | 40.098 | -0.2 | 106   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 40.000 | 39.964 | 0.1  | 108   | 0.00     |
| 31   | Naphthalene                 | 40.000 | 39.303 | 1.7  | 107   | 0.00     |
| 32   | Benzoic acid                | 40.000 | 37.721 | 5.7  | 106   | 0.00     |
| 33   | 4-Chloroaniline             | 40.000 | 39.072 | 2.3  | 107   | 0.00     |
| 34 C | Hexachlorobutadiene         | 40.000 | 40.073 | -0.2 | 108   | 0.00     |
| 35   | Caprolactam                 | 40.000 | 40.141 | -0.4 | 106   | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 40.000 | 39.231 | 1.9  | 105   | 0.00     |
| 37   | 2-Methylnaphthalene         | 40.000 | 38.993 | 2.5  | 107   | 0.00     |
| 38   | 1-Methylnaphthalene         | 40.000 | 39.234 | 1.9  | 108   | 0.00     |
| 39 I | Acenaphthene-d10            | 20.000 | 20.000 | 0.0  | 109   | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 40.000 | 39.951 | 0.1  | 107   | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 40.000 | 39.049 | 2.4  | 99    | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 80.000 | 79.802 | 0.2  | 102   | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 40.000 | 39.357 | 1.6  | 101   | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 40.000 | 42.351 | -5.9 | 111   | 0.00     |
| 45 S | 2-Fluorobiphenyl            | 80.000 | 77.871 | 2.7  | 107   | 0.00     |
| 46   | 1,1'-Biphenyl               | 40.000 | 39.988 | 0.0  | 109   | 0.00     |
| 47   | 2-Chloronaphthalene         | 40.000 | 40.370 | -0.9 | 109   | 0.00     |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF030325\  
 Data File : BF141811.D  
 Acq On : 03 Mar 2025 14:16  
 Operator : RC/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Mar 03 15:34:23 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF022725.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Feb 28 01:48:16 2025  
 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 | 40.975 | -2.4   | 113   | 0.00     |
| 49   | Acenaphthylene             | 40.000 | 39.939 | 0.2    | 107   | 0.00     |
| 50   | Dimethylphthalate          | 40.000 | 39.868 | 0.3    | 107   | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 40.000 | 40.852 | -2.1   | 110   | 0.00     |
| 52 C | Acenaphthene               | 40.000 | 39.989 | 0.0    | 108   | 0.00     |
| 53   | 3-Nitroaniline             | 40.000 | 40.852 | -2.1   | 108   | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 40.000 | 40.966 | -2.4   | 113   | 0.00     |
| 55   | Dibenzofuran               | 40.000 | 39.519 | 1.2    | 107   | 0.00     |
| 56 P | 4-Nitrophenol              | 40.000 | 44.328 | -10.8  | 105   | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 40.000 | 41.865 | -4.7   | 113   | 0.00     |
| 58   | Fluorene                   | 40.000 | 38.979 | 2.6    | 107   | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 41.490 | -3.7   | 107   | 0.00     |
| 60   | Diethylphthalate           | 40.000 | 40.051 | -0.1   | 106   | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 40.000 | 39.059 | 2.4    | 107   | 0.00     |
| 62   | 4-Nitroaniline             | 40.000 | 47.460 | -18.7  | 111   | 0.00     |
| 63   | Azobenzene                 | 40.000 | 39.820 | 0.4    | 107   | 0.00     |
| 64 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0    | 108   | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 40.000 | 38.906 | 2.7    | 109   | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 40.000 | 39.590 | 1.0    | 106   | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 40.000 | 40.393 | -1.0   | 107   | 0.00     |
| 68   | Hexachlorobenzene          | 40.000 | 40.340 | -0.9   | 107   | 0.00     |
| 69   | Atrazine                   | 40.000 | 37.468 | 6.3    | 102   | 0.00     |
| 70 C | Pentachlorophenol          | 40.000 | 40.821 | -2.1   | 103   | 0.00     |
| 71   | Phenanthrene               | 40.000 | 39.879 | 0.3    | 108   | 0.00     |
| 72   | Anthracene                 | 40.000 | 39.211 | 2.0    | 107   | 0.00     |
| 73   | Carbazole                  | 40.000 | 39.483 | 1.3    | 106   | 0.00     |
| 74   | Di-n-butylphthalate        | 40.000 | 39.834 | 0.4    | 107   | 0.00     |
| 75 C | Fluoranthene               | 40.000 | 39.022 | 2.4    | 106   | 0.00     |
| 76 I | Chrysene-d12               | 20.000 | 20.000 | 0.0    | 105   | 0.00     |
| 77   | Benzydine                  | 40.000 | 71.996 | -80.0# | 184   | 0.00     |
| 78   | Pyrene                     | 40.000 | 41.845 | -4.6   | 106   | 0.00     |
| 79 S | Terphenyl-d14              | 80.000 | 81.888 | -2.4   | 106   | 0.00     |
| 80   | Butylbenzylphthalate       | 40.000 | 42.798 | -7.0   | 106   | 0.00     |
| 81   | Benzo(a)anthracene         | 40.000 | 39.361 | 1.6    | 104   | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 40.000 | 40.425 | -1.1   | 103   | 0.00     |
| 83   | Chrysene                   | 40.000 | 38.822 | 2.9    | 99    | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 40.000 | 44.652 | -11.6  | 111   | 0.00     |
| 85 c | Di-n-octyl phthalate       | 40.000 | 40.960 | -2.4   | 97    | 0.00     |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0    | 97    | 0.00     |
| 87   | Indeno(1,2,3-cd)pyrene     | 40.000 | 41.438 | -3.6   | 95    | 0.00     |
| 88   | Benzo(b)fluoranthene       | 40.000 | 41.949 | -4.9   | 106   | 0.00     |
| 89   | Benzo(k)fluoranthene       | 40.000 | 36.996 | 7.5    | 86    | 0.00     |
| 90 C | Benzo(a)pyrene             | 40.000 | 39.847 | 0.4    | 94    | 0.00     |
| 91   | Dibenzo(a,h)anthracene     | 40.000 | 42.140 | -5.4   | 96    | 0.00     |
| 92   | Benzo(g,h,i)perylene       | 40.000 | 41.789 | -4.5   | 96    | 0.00     |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF030325\  
Data File : BF141811.D  
Acq On : 03 Mar 2025 14:16  
Operator : RC/JU  
Sample : SSTDCCC040  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_F  
LabSampleId :  
SSTDCCC040

Quant Time: Mar 03 15:34:23 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF022725.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Feb 28 01:48:16 2025  
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: GENV01

Lab Code: CHEM Case No.: Q1447 SAS No.: Q1447 SDG No.: Q1447

Instrument ID: BNA\_F Calibration Date/Time: 03/04/2025 13:46

Lab File ID: BF141824.D Init. Calib. Date(s): 02/27/2025 02/27/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 15:17 18:45

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

| COMPOUND                    | RRF   | RRF040 | MIN<br>RRF | %D    | MAX%D |
|-----------------------------|-------|--------|------------|-------|-------|
| 2-Fluorophenol              | 1.252 | 1.221  |            | -2.5  |       |
| Benzaldehyde                | 0.948 | 0.831  |            | -12.3 |       |
| Phenol-d6                   | 1.630 | 1.591  |            | -2.4  |       |
| Phenol                      | 1.742 | 1.710  |            | -1.8  | 20.0  |
| bis(2-Chloroethyl)ether     | 1.328 | 1.285  |            | -3.2  |       |
| 2-Chlorophenol              | 1.355 | 1.314  |            | -3.0  |       |
| 2-Methylphenol              | 1.118 | 1.076  |            | -3.8  |       |
| 2,2-oxybis(1-Chloropropane) | 2.016 | 1.940  |            | -3.8  |       |
| Acetophenone                | 0.487 | 0.474  |            | -2.7  |       |
| 3+4-Methylphenols           | 1.392 | 1.342  |            | -3.6  |       |
| n-Nitroso-di-n-propylamine  | 1.072 | 0.974  | 0.050      | -9.1  |       |
| Nitrobenzene-d5             | 0.313 | 0.336  |            | 7.3   |       |
| Hexachloroethane            | 0.547 | 0.520  |            | -4.9  |       |
| Nitrobenzene                | 0.335 | 0.358  |            | 6.9   |       |
| Isophorone                  | 0.672 | 0.647  |            | -3.7  |       |
| 2-Nitrophenol               | 0.127 | 0.146  |            | 15.0  | 20.0  |
| 2,4-Dimethylphenol          | 0.247 | 0.245  |            | -0.8  |       |
| bis(2-Chloroethoxy)methane  | 0.429 | 0.409  |            | -4.7  |       |
| 2,4-Dichlorophenol          | 0.285 | 0.290  |            | 1.8   | 20.0  |
| Naphthalene                 | 1.028 | 1.011  |            | -1.7  |       |
| 4-Chloroaniline             | 0.377 | 0.377  |            | 0.0   |       |
| Hexachlorobutadiene         | 0.194 | 0.192  |            | -1.0  | 20.0  |
| Caprolactam                 | 0.088 | 0.090  |            | 2.3   |       |
| 4-Chloro-3-methylphenol     | 0.317 | 0.314  |            | -0.9  | 20.0  |
| 2-Methylnaphthalene         | 0.674 | 0.658  |            | -2.4  |       |
| Hexachlorocyclopentadiene   | 0.241 | 0.239  | 0.050      | -0.8  |       |
| 2,4,6-Trichlorophenol       | 0.373 | 0.382  |            | 2.4   | 20.0  |
| 2-Fluorobiphenyl            | 1.247 | 1.217  |            | -2.4  |       |
| 2,4,5-Trichlorophenol       | 0.369 | 0.396  |            | 7.3   |       |
| 1,1-Biphenyl                | 1.522 | 1.521  |            | -0.1  |       |
| 2-Chloronaphthalene         | 1.124 | 1.138  |            | 1.2   |       |
| 2-Nitroaniline              | 0.260 | 0.319  |            | 22.7  |       |
| Dimethylphthalate           | 1.339 | 1.303  |            | -2.7  |       |
| Acenaphthylene              | 1.685 | 1.691  |            | 0.4   |       |
| 2,6-Dinitrotoluene          | 0.226 | 0.260  |            | 15.0  |       |
| 3-Nitroaniline              | 0.241 | 0.289  |            | 19.9  |       |
| Acenaphthene                | 1.137 | 1.153  |            | 1.4   | 20.0  |
| 2,4-Dinitrophenol           | 0.089 | 0.111  | 0.050      | 24.7  |       |
| 4-Nitrophenol               | 0.198 | 0.240  | 0.050      | 21.2  |       |



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Fax : 908 789 8922

7C

## SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1447 SAS No.: Q1447 SDG No.: Q1447

Instrument ID: BNA\_F Calibration Date/Time: 03/04/2025 13:46

Lab File ID: BF141824.D Init. Calib. Date(s): 02/27/2025 02/27/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 15:17 18:45

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

| COMPOUND                   | RRF   | RRF040 | MIN<br>RRF | %D    | MAX%D |
|----------------------------|-------|--------|------------|-------|-------|
| Dibenzofuran               | 1.654 | 1.637  |            | -1.0  |       |
| 2,4-Dinitrotoluene         | 0.269 | 0.334  |            | 24.2  |       |
| Diethylphthalate           | 1.343 | 1.286  |            | -4.2  |       |
| 4-Chlorophenyl-phenylether | 0.621 | 0.601  |            | -3.2  |       |
| Fluorene                   | 1.239 | 1.211  |            | -2.3  |       |
| 4-Nitroaniline             | 0.229 | 0.286  |            | 24.9  |       |
| 4,6-Dinitro-2-methylphenol | 0.081 | 0.100  |            | 23.5  |       |
| n-Nitrosodiphenylamine     | 0.657 | 0.644  |            | -2.0  | 20.0  |
| 2,4,6-Tribromophenol       | 0.188 | 0.192  |            | 2.1   |       |
| 4-Bromophenyl-phenylether  | 0.234 | 0.229  |            | -2.1  |       |
| Hexachlorobenzene          | 0.247 | 0.245  |            | -0.8  |       |
| Atrazine                   | 0.181 | 0.161  |            | -11.1 |       |
| Pentachlorophenol          | 0.156 | 0.169  |            | 8.3   | 20.0  |
| Phenanthrene               | 1.070 | 1.064  |            | -0.6  |       |
| Anthracene                 | 1.072 | 1.071  |            | -0.1  |       |
| Carbazole                  | 0.947 | 0.963  |            | 1.7   |       |
| Di-n-butylphthalate        | 1.200 | 1.143  |            | -4.8  |       |
| Fluoranthene               | 1.096 | 1.122  |            | 2.4   | 20.0  |
| Pyrene                     | 1.732 | 1.684  |            | -2.8  |       |
| Terphenyl-d14              | 1.236 | 1.154  |            | -6.6  |       |
| Butylbenzylphthalate       | 0.629 | 0.640  |            | 1.7   |       |
| 3,3-Dichlorobenzidine      | 0.379 | 0.388  |            | 2.4   |       |
| Benzo (a) anthracene       | 1.321 | 1.276  |            | -3.4  |       |
| Chrysene                   | 1.218 | 1.216  |            | -0.2  |       |
| Bis(2-ethylhexyl)phthalate | 0.783 | 0.827  |            | 5.6   |       |
| Di-n-octyl phthalate       | 1.173 | 1.150  |            | -2.0  | 20.0  |
| Benzo (b) fluoranthene     | 1.362 | 1.370  |            | 0.6   |       |
| Benzo (k) fluoranthene     | 1.158 | 1.129  |            | -2.5  |       |
| Benzo (a) pyrene           | 1.093 | 1.085  |            | -0.7  | 20.0  |
| Indeno (1,2,3-cd) pyrene   | 1.274 | 1.274  |            | 0.0   |       |
| Dibenzo (a,h) anthracene   | 1.040 | 1.034  |            | -0.6  |       |
| Benzo (g,h,i) perylene     | 1.065 | 1.077  |            | 1.1   |       |
| 1,2,4,5-Tetrachlorobenzene | 0.578 | 0.579  |            | 0.2   |       |
| 1,4-Dioxane                | 0.568 | 0.566  |            | -0.4  | 20.0  |
| 2,3,4,6-Tetrachlorophenol  | 0.321 | 0.334  |            | 4.1   |       |

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF030425\  
 Data File : BF141824.D  
 Acq On : 04 Mar 2025 13:46  
 Operator : RC/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDCCC040

Quant Time: Mar 04 14:43:44 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF022725.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Feb 28 01:48:16 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.887  | 152  | 319426   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.169  | 136  | 1215091  | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.922  | 164  | 645310   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.410 | 188  | 1061915  | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 14.045 | 240  | 709212   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12              | 15.509 | 264  | 560512   | 20.000 | ng    | -0.01    |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.504  | 112  | 1559690  | 77.978 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.510  | 99   | 2033152  | 78.096 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.451  | 82   | 1634260  | 85.971 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.710 | 330  | 496406   | 81.938 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.245  | 172  | 3140877  | 78.044 | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.992 | 244  | 3274522  | 74.701 | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.699  | 88   | 361809   | 39.865 | ng    | 99       |
| 3) Pyridine                   | 3.469  | 79   | 907853   | 40.204 | ng    | 100      |
| 4) n-Nitrosodimethylamine     | 3.416  | 42   | 447171   | 41.156 | ng    | 96       |
| 6) Aniline                    | 6.551  | 93   | 1079364  | 39.879 | ng    | 99       |
| 8) 2-Chlorophenol             | 6.675  | 128  | 839631   | 38.805 | ng    | 98       |
| 9) Benzaldehyde               | 6.439  | 77   | 530687   | 35.044 | ng    | 98       |
| 10) Phenol                    | 6.522  | 94   | 1092734  | 39.279 | ng    | 99       |
| 11) bis(2-Chloroethyl)ether   | 6.622  | 93   | 820802   | 38.706 | ng    | 99       |
| 12) 1,3-Dichlorobenzene       | 6.828  | 146  | 919842   | 39.697 | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 6.904  | 146  | 916302   | 39.246 | ng    | 100      |
| 14) 1,2-Dichlorobenzene       | 7.057  | 146  | 855010   | 39.217 | ng    | 100      |
| 15) Benzyl Alcohol            | 7.022  | 79   | 792906   | 38.109 | ng    | 99       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.163  | 45   | 1239421  | 38.486 | ng    | 99       |
| 17) 2-Methylphenol            | 7.134  | 107  | 687604   | 38.500 | ng    | 99       |
| 18) Hexachloroethane          | 7.404  | 117  | 332119   | 38.006 | ng    | 96       |
| 19) n-Nitroso-di-n-propyla... | 7.298  | 70   | 622532   | 36.376 | ng    | 97       |
| 20) 3+4-Methylphenols         | 7.286  | 107  | 857269   | 38.547 | ng    | 92       |
| 22) Acetophenone              | 7.298  | 105  | 1152069  | 38.930 | ng    | # 98     |
| 24) Nitrobenzene              | 7.469  | 77   | 868977   | 42.688 | ng    | 98       |
| 25) Isophorone                | 7.710  | 82   | 1571685  | 38.485 | ng    | 99       |
| 26) 2-Nitrophenol             | 7.781  | 139  | 354182   | 39.806 | ng    | 99       |
| 27) 2,4-Dimethylphenol        | 7.816  | 122  | 595528   | 39.670 | ng    | 98       |
| 28) bis(2-Chloroethoxy)met... | 7.916  | 93   | 994830   | 38.187 | ng    | 100      |
| 29) 2,4-Dichlorophenol        | 8.022  | 162  | 704417   | 40.674 | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 8.110  | 180  | 761970   | 40.151 | ng    | 99       |
| 31) Naphthalene               | 8.192  | 128  | 2456478  | 39.335 | ng    | 100      |
| 32) Benzoic acid              | 7.928  | 122  | 498003m  | 41.068 | ng    |          |
| 33) 4-Chloroaniline           | 8.239  | 127  | 916818   | 40.039 | ng    | 99       |
| 34) Hexachlorobutadiene       | 8.310  | 225  | 465387   | 39.464 | ng    | 99       |
| 35) Caprolactam               | 8.610  | 113  | 219565   | 41.211 | ng    | 98       |
| 36) 4-Chloro-3-methylphenol   | 8.710  | 107  | 762761   | 39.647 | ng    | 97       |
| 37) 2-Methylnaphthalene       | 8.880  | 142  | 1599675  | 39.052 | ng    | 100      |
| 38) 1-Methylnaphthalene       | 8.980  | 142  | 1546452  | 39.346 | ng    | 100      |
| 40) 1,2,4,5-Tetrachloroben... | 9.045  | 216  | 747040   | 40.083 | ng    | 100      |
| 41) Hexachlorocyclopentadiene | 9.033  | 237  | 308834   | 39.707 | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 9.151  | 196  | 492456   | 40.905 | ng    | 99       |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF030425\  
 Data File : BF141824.D  
 Acq On : 04 Mar 2025 13:46  
 Operator : RC/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDCCC040

Quant Time: Mar 04 14:43:44 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF022725.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Feb 28 01:48:16 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.192  | 196  | 511248   | 42.885 | ng    | 98       |
| 46) 1,1'-Biphenyl             | 9.345  | 154  | 1963437  | 39.974 | ng    | 100      |
| 47) 2-Chloronaphthalene       | 9.369  | 162  | 1468474  | 40.506 | ng    | 99       |
| 48) 2-Nitroaniline            | 9.463  | 65   | 411664   | 42.073 | ng    | 97       |
| 49) Acenaphthylene            | 9.786  | 152  | 2181808  | 40.140 | ng    | 100      |
| 50) Dimethylphthalate         | 9.645  | 163  | 1681847  | 38.918 | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 9.704  | 165  | 335762   | 41.050 | ng    | 98       |
| 52) Acenaphthene              | 9.957  | 154  | 1488313  | 40.580 | ng    | 100      |
| 53) 3-Nitroaniline            | 9.869  | 138  | 373329   | 42.742 | ng #  | 99       |
| 54) 2,4-Dinitrophenol         | 9.975  | 184  | 143536   | 45.715 | ng #  | 6        |
| 55) Dibenzofuran              | 10.127 | 168  | 2112940  | 39.582 | ng    | 99       |
| 56) 4-Nitrophenol             | 10.016 | 139  | 309208   | 48.445 | ng    | 99       |
| 57) 2,4-Dinitrotoluene        | 10.104 | 165  | 431480   | 43.117 | ng    | 98       |
| 58) Fluorene                  | 10.469 | 166  | 1562291  | 39.071 | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.239 | 232  | 430683   | 41.539 | ng    | 98       |
| 60) Diethylphthalate          | 10.345 | 149  | 1660083  | 38.319 | ng    | 100      |
| 61) 4-Chlorophenyl-phenyle... | 10.463 | 204  | 775630   | 38.715 | ng    | 100      |
| 62) 4-Nitroaniline            | 10.486 | 138  | 369121   | 50.016 | ng    | 97       |
| 63) Azobenzene                | 10.622 | 77   | 1753203  | 38.435 | ng    | 99       |
| 65) 4,6-Dinitro-2-methylph... | 10.510 | 198  | 212809   | 43.478 | ng    | 100      |
| 66) n-Nitrosodiphenylamine    | 10.580 | 169  | 1368091  | 39.235 | ng    | 100      |
| 67) 4-Bromophenyl-phenylether | 10.951 | 248  | 486664   | 39.236 | ng    | 99       |
| 68) Hexachlorobenzene         | 11.016 | 284  | 519753   | 39.682 | ng    | 98       |
| 69) Atrazine                  | 11.104 | 200  | 341198   | 35.582 | ng    | 98       |
| 70) Pentachlorophenol         | 11.210 | 266  | 358495   | 43.155 | ng    | 100      |
| 71) Phenanthrene              | 11.433 | 178  | 2260798  | 39.801 | ng    | 99       |
| 72) Anthracene                | 11.486 | 178  | 2275135  | 39.965 | ng    | 100      |
| 73) Carbazole                 | 11.633 | 167  | 2044567  | 40.670 | ng    | 100      |
| 74) Di-n-butylphthalate       | 11.969 | 149  | 2427528  | 38.095 | ng    | 99       |
| 75) Fluoranthene              | 12.621 | 202  | 2383691  | 40.955 | ng    | 99       |
| 77) Benzidine                 | 12.739 | 184  | 595524   | 66.715 | ng    | 100      |
| 78) Pyrene                    | 12.851 | 202  | 2388331  | 38.889 | ng    | 100      |
| 80) Butylbenzylphthalate      | 13.463 | 149  | 908038   | 40.696 | ng    | 98       |
| 81) Benzo(a)anthracene        | 14.033 | 228  | 1809644  | 38.631 | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine    | 13.992 | 252  | 550809   | 40.983 | ng    | 99       |
| 83) Chrysene                  | 14.068 | 228  | 1725306  | 39.954 | ng    | 100      |
| 84) Bis(2-ethylhexyl)phtha... | 14.021 | 149  | 1173412  | 42.235 | ng    | 100      |
| 85) Di-n-octyl phthalate      | 14.633 | 149  | 1631496  | 39.224 | ng    | 99       |
| 87) Indeno(1,2,3-cd)pyrene    | 17.003 | 276  | 1428648  | 40.028 | ng    | 99       |
| 88) Benzo(b)fluoranthene      | 15.080 | 252  | 1535514  | 40.217 | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 15.110 | 252  | 1265526  | 38.997 | ng    | 100      |
| 90) Benzo(a)pyrene            | 15.451 | 252  | 1216179  | 39.718 | ng    | 100      |
| 91) Dibenzo(a,h)anthracene    | 17.021 | 278  | 1158823  | 39.776 | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 17.456 | 276  | 1207865  | 40.469 | ng    | 99       |

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

**Instrument :**  
BNA\_F  
**ClientSampleId :**  
SSTDCCC040

TIC: BF141824.D\data.ms

Abundance

Time-->

1,4-Dioxane

n-Nitrosodimethylamine,

2-Fluorophenol.S

Phenol-d6.S

1,2-Dichlorobenzene

Nitrobenzene-d5.S

Naphthalene

2-Chloronaphthalene

1,1-Biphenyl

Acenaphthylene

Dibenzofuran

Acenaphthene.C

4-Chloro-3-methylphenol.C

Hexachlorocyclopentadiene

2,3,4,6-Tetrachlorophthalate

Diethylphthalate

2,7-Dichlorodiphenylether

4-Ethoxydiphenyl ether

Carbazole

Di-n-butylphthalate

Fluoranthene.C

Pyrene

Terphenyl-d14.S

Bis(2-ethylhexyl)anthracene

Chrysene-d12.T

Chrysene

Di-n-octyl phthalate.c

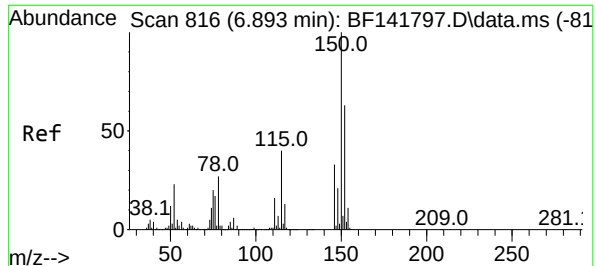
Benzo(a)fluoranthene

Benzo(a)pyrene.C

Perylene-d12.T

Indeno(1,2,3-cd)pyrene

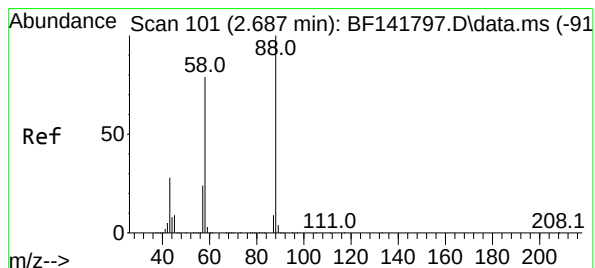
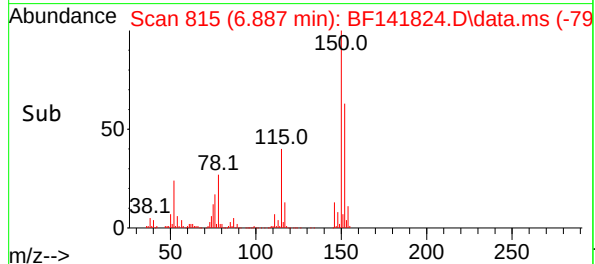
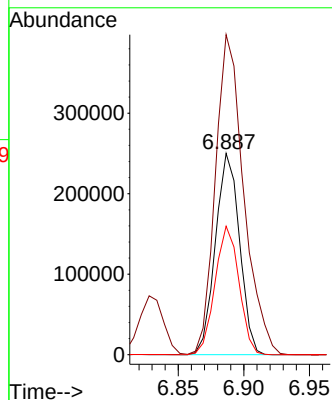
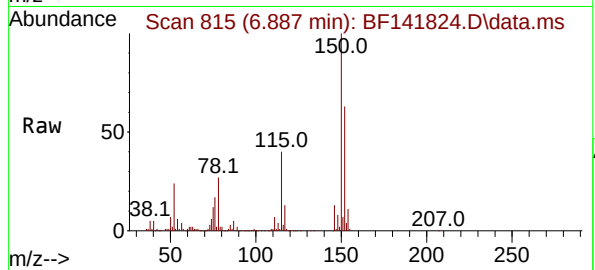
Benzo(g,h,i)perylene



#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.887 min Scan# 81  
Delta R.T. -0.006 min  
Lab File: BF141824.D  
Acq: 04 Mar 2025 13:46

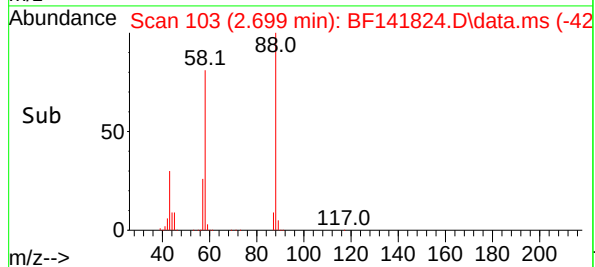
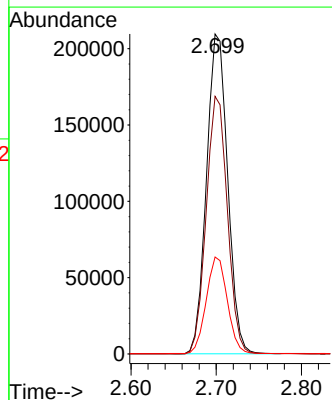
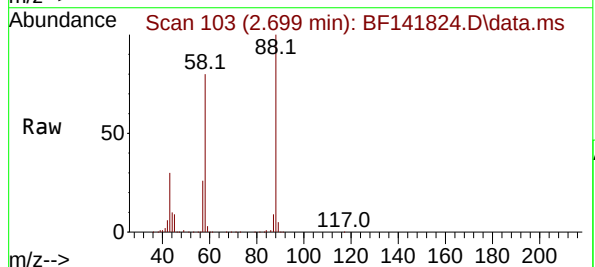
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

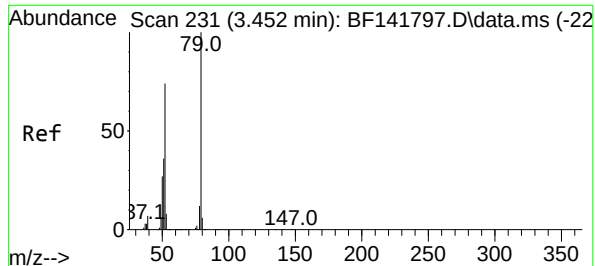
Tgt Ion:152 Resp: 319426  
Ion Ratio Lower Upper  
152 100  
150 159.0 127.5 191.3  
115 63.9 51.4 77.2



#2  
1,4-Dioxane  
Concen: 39.865 ng  
RT: 2.699 min Scan# 103  
Delta R.T. 0.012 min  
Lab File: BF141824.D  
Acq: 04 Mar 2025 13:46

Tgt Ion: 88 Resp: 361809  
Ion Ratio Lower Upper  
88 100  
58 80.7 63.9 95.9  
43 30.2 23.0 34.6

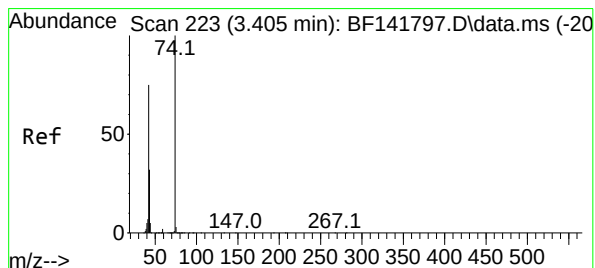
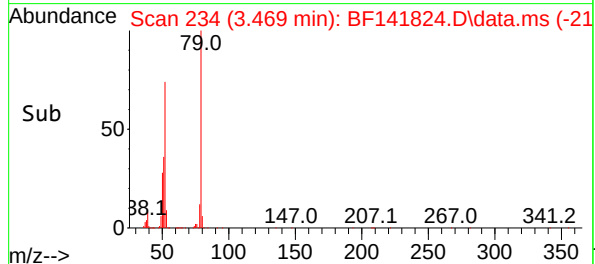
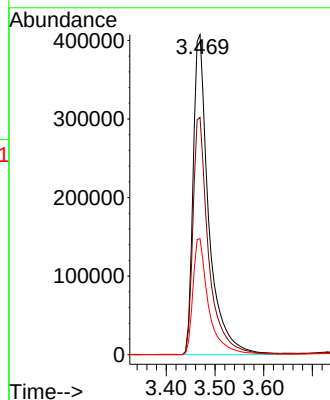
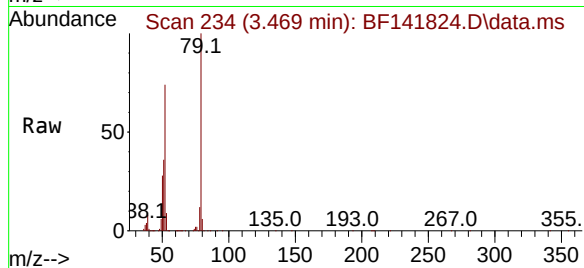




#3  
Pyridine  
Concen: 40.204 ng  
RT: 3.469 min Scan# 21  
Delta R.T. 0.017 min  
Lab File: BF141824.D  
Acq: 04 Mar 2025 13:46

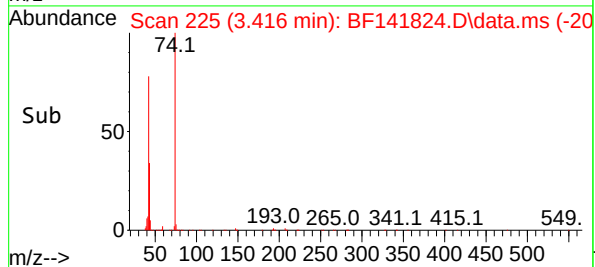
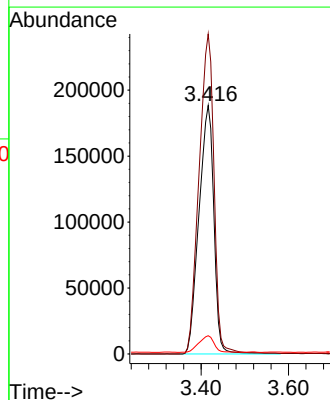
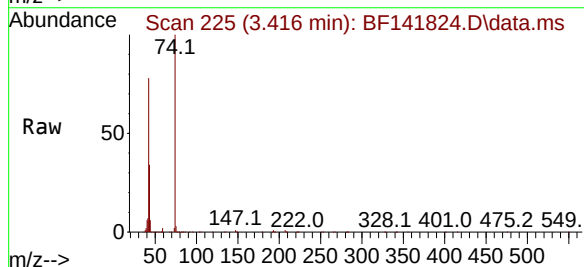
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

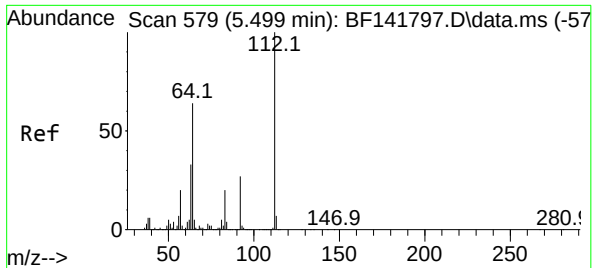
Tgt Ion: 79 Resp: 907853  
Ion Ratio Lower Upper  
79 100  
52 74.1 59.0 88.4  
51 36.3 29.0 43.4



#4  
n-Nitrosodimethylamine  
Concen: 41.156 ng  
RT: 3.416 min Scan# 225  
Delta R.T. 0.012 min  
Lab File: BF141824.D  
Acq: 04 Mar 2025 13:46

Tgt Ion: 42 Resp: 447171  
Ion Ratio Lower Upper  
42 100  
74 128.8 107.1 160.7  
44 7.3 6.6 9.8

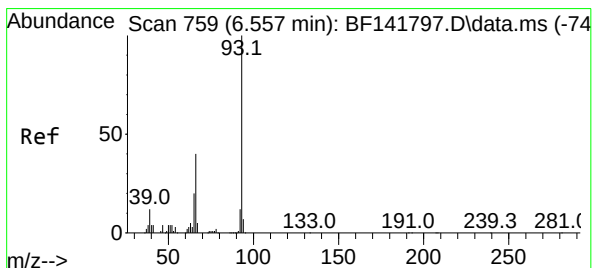
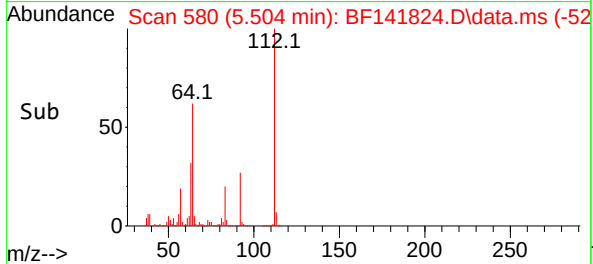
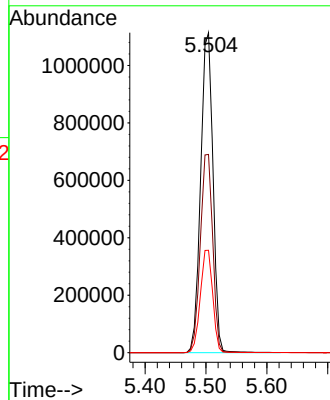
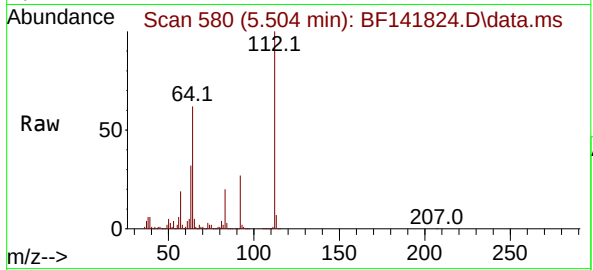




#5  
2-Fluorophenol  
Concen: 77.978 ng  
RT: 5.504 min Scan# 51  
Delta R.T. 0.006 min  
Lab File: BF141824.D  
Acq: 04 Mar 2025 13:46

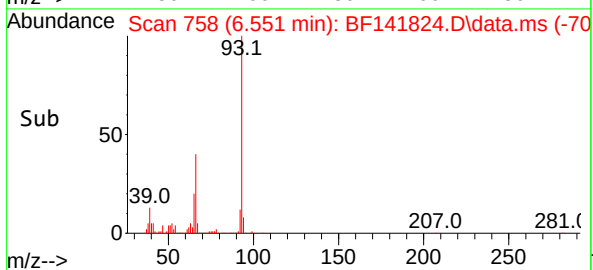
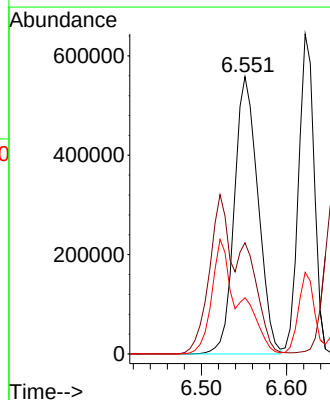
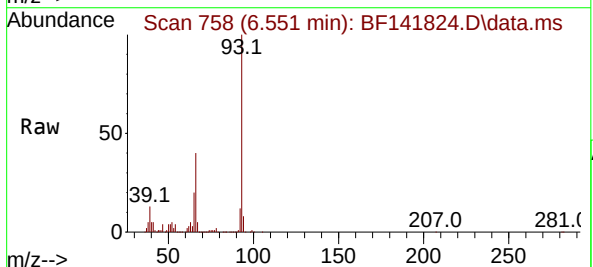
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

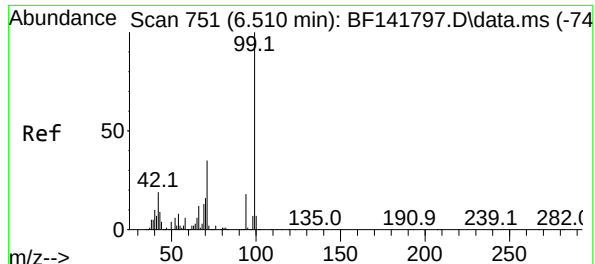
Tgt Ion:112 Resp: 1559690  
Ion Ratio Lower Upper  
112 100  
64 61.9 51.3 76.9  
63 32.0 26.2 39.4



#6  
Aniline  
Concen: 39.879 ng  
RT: 6.551 min Scan# 758  
Delta R.T. -0.006 min  
Lab File: BF141824.D  
Acq: 04 Mar 2025 13:46

Tgt Ion: 93 Resp: 1079364  
Ion Ratio Lower Upper  
93 100  
66 40.1 32.3 48.5  
65 20.3 15.9 23.9

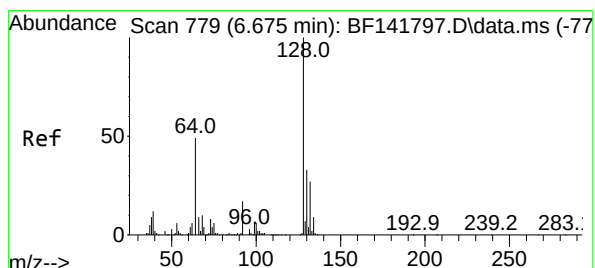
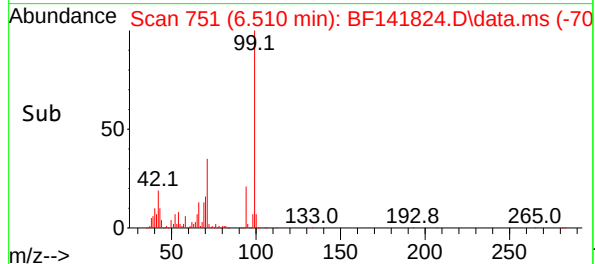
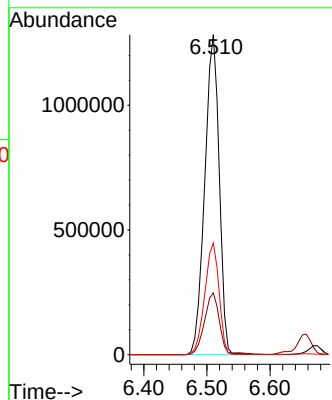
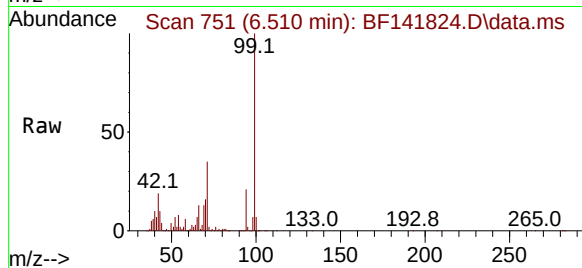




#7  
Phenol-d6  
Concen: 78.096 ng  
RT: 6.510 min Scan# 751  
Delta R.T. -0.000 min  
Lab File: BF141824.D  
Acq: 04 Mar 2025 13:46

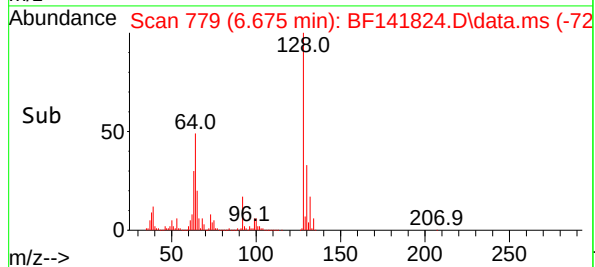
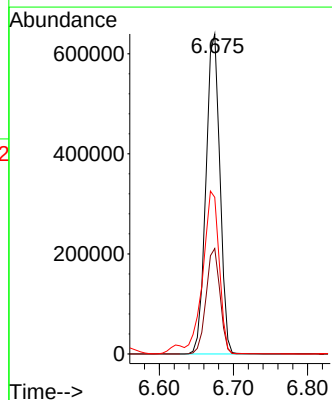
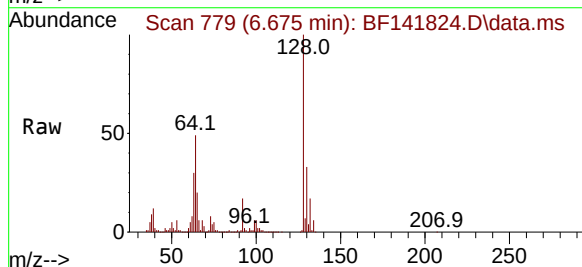
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

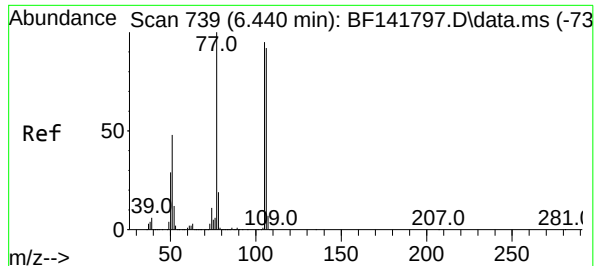
Tgt Ion: 99 Resp: 2033152  
Ion Ratio Lower Upper  
99 100  
42 19.3 15.2 22.8  
71 34.9 28.2 42.2



#8  
2-Chlorophenol  
Concen: 38.805 ng  
RT: 6.675 min Scan# 779  
Delta R.T. -0.000 min  
Lab File: BF141824.D  
Acq: 04 Mar 2025 13:46

Tgt Ion: 128 Resp: 839631  
Ion Ratio Lower Upper  
128 100  
130 33.0 12.6 52.6  
64 48.9 31.1 71.1

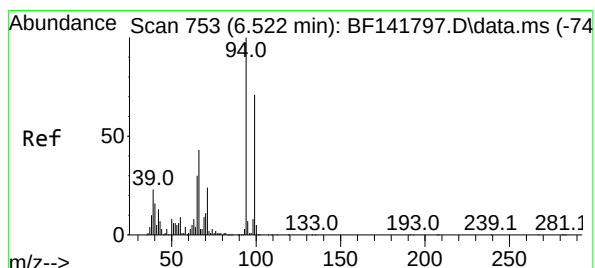
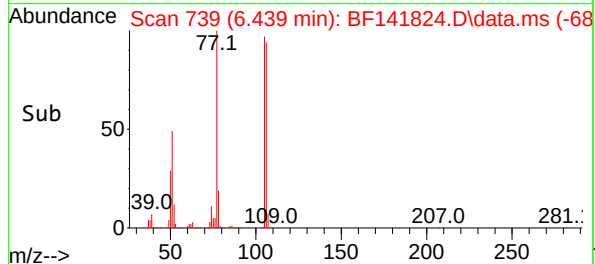
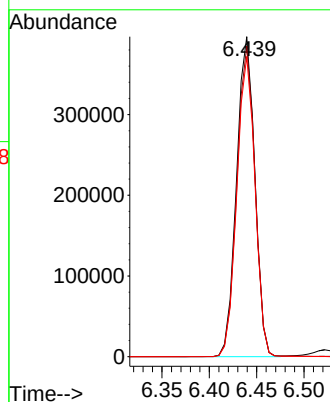
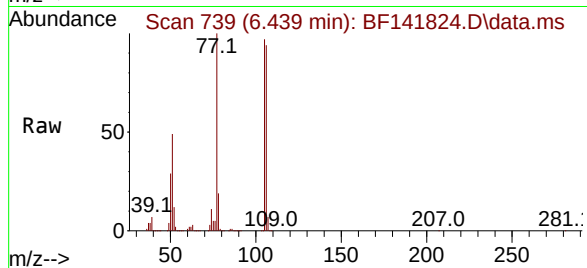




#9  
Benzaldehyde  
Concen: 35.044 ng  
RT: 6.439 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: BF141824.D  
Acq: 04 Mar 2025 13:46

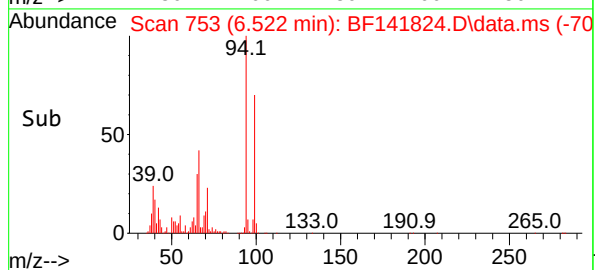
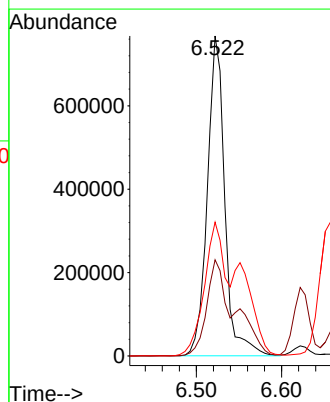
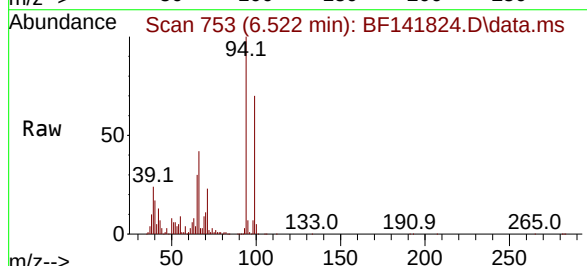
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

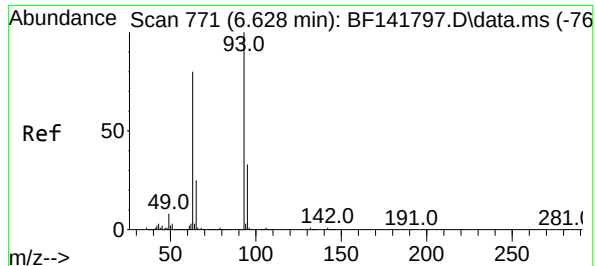
Tgt Ion: 77 Resp: 530687  
Ion Ratio Lower Upper  
77 100  
105 97.0 75.3 115.3  
106 93.8 72.3 112.3



#10  
Phenol  
Concen: 39.279 ng  
RT: 6.522 min Scan# 753  
Delta R.T. -0.000 min  
Lab File: BF141824.D  
Acq: 04 Mar 2025 13:46

Tgt Ion: 94 Resp: 1092734  
Ion Ratio Lower Upper  
94 100  
65 30.0 10.2 50.2  
66 41.8 23.2 63.2

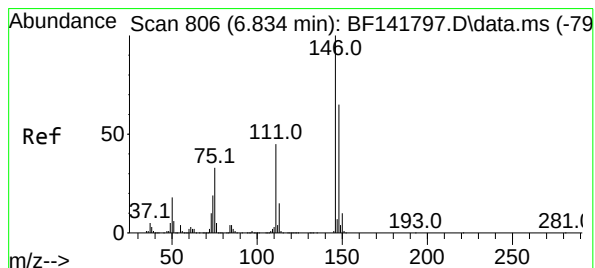
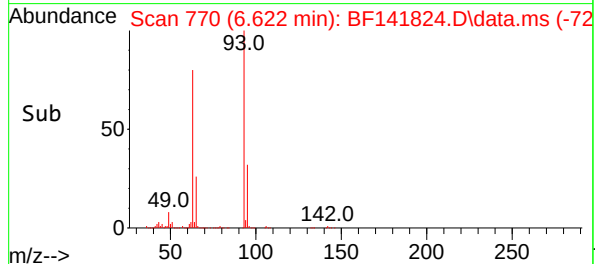
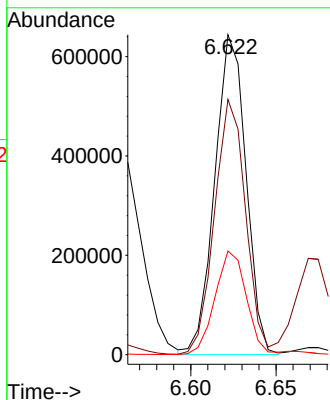
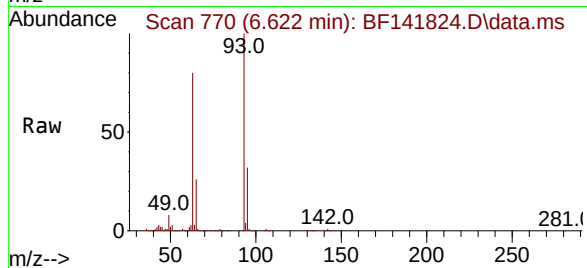




#11  
bis(2-Chloroethyl)ether  
Concen: 38.706 ng  
RT: 6.622 min Scan# 771  
Delta R.T. -0.006 min  
Lab File: BF141824.D  
Acq: 04 Mar 2025 13:46

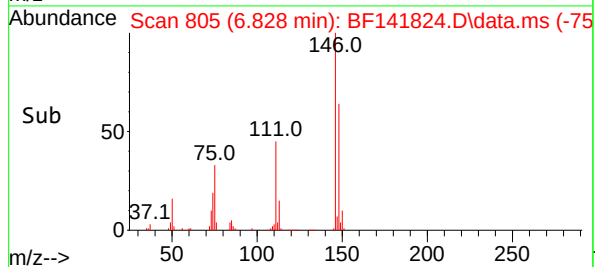
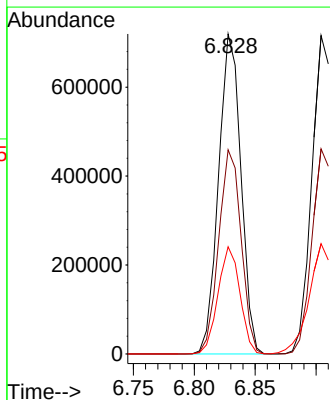
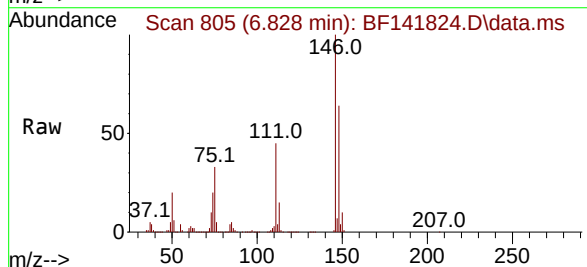
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

Tgt Ion: 93 Resp: 820802  
Ion Ratio Lower Upper  
93 100  
63 79.8 59.3 99.3  
95 32.4 13.2 53.2

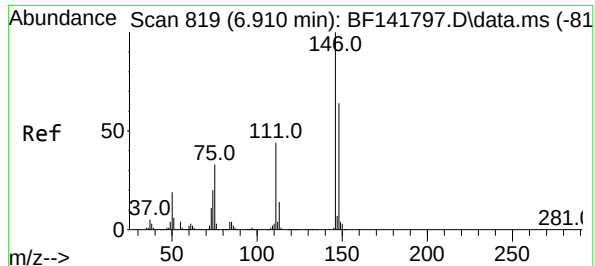


#12  
1,3-Dichlorobenzene  
Concen: 39.697 ng  
RT: 6.828 min Scan# 805  
Delta R.T. -0.006 min  
Lab File: BF141824.D  
Acq: 04 Mar 2025 13:46

Tgt Ion: 146 Resp: 919842  
Ion Ratio Lower Upper  
146 100  
148 63.8 51.8 77.6  
75 33.5 26.2 39.4







#13

1,4-Dichlorobenzene

Concen: 39.246 ng

RT: 6.904 min Scan# 819

Delta R.T. -0.006 min

Lab File: BF141824.D

Acq: 04 Mar 2025 13:46

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

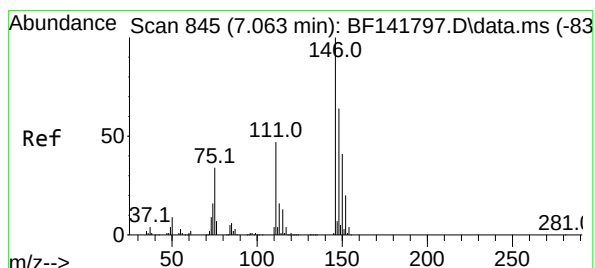
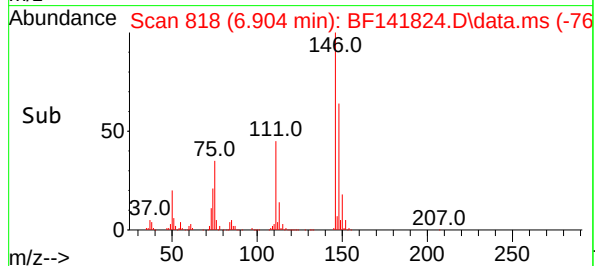
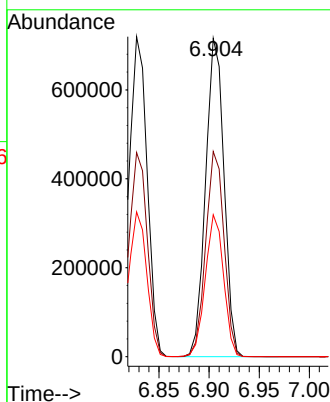
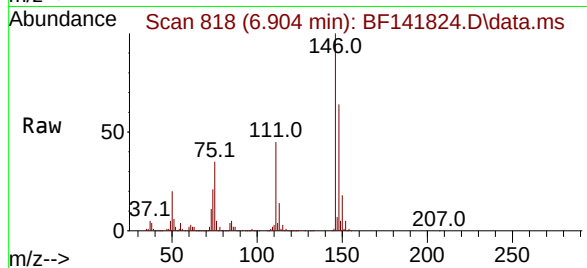
Tgt Ion:146 Resp: 916302

Ion Ratio Lower Upper

146 100

148 64.4 51.4 77.2

111 44.6 35.5 53.3



#14

1,2-Dichlorobenzene

Concen: 39.217 ng

RT: 7.057 min Scan# 844

Delta R.T. -0.006 min

Lab File: BF141824.D

Acq: 04 Mar 2025 13:46

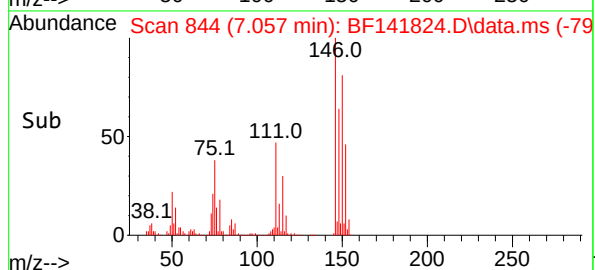
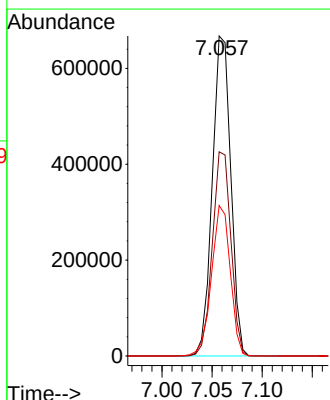
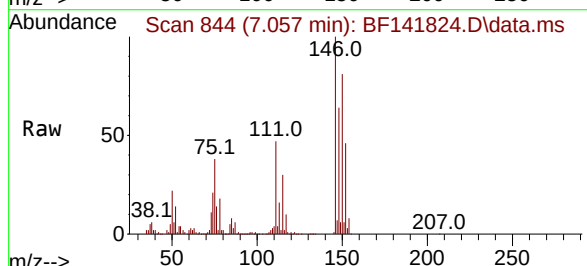
Tgt Ion:146 Resp: 855010

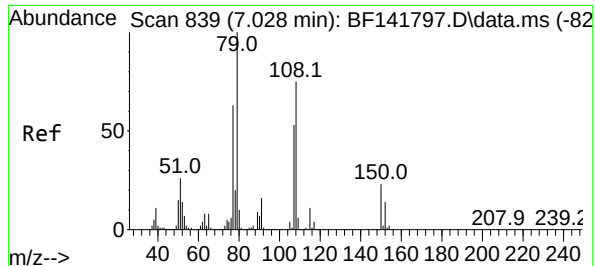
Ion Ratio Lower Upper

146 100

148 63.8 51.2 76.8

111 47.0 37.8 56.6





#15

Benzyl Alcohol

Concen: 38.109 ng

RT: 7.022 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF141824.D

Acq: 04 Mar 2025 13:46

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

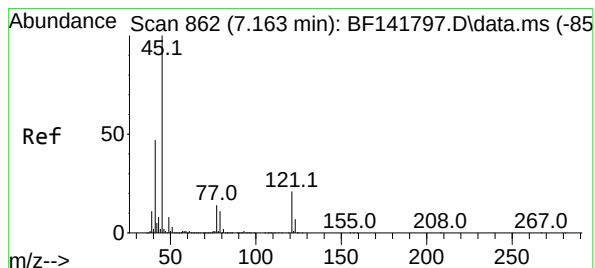
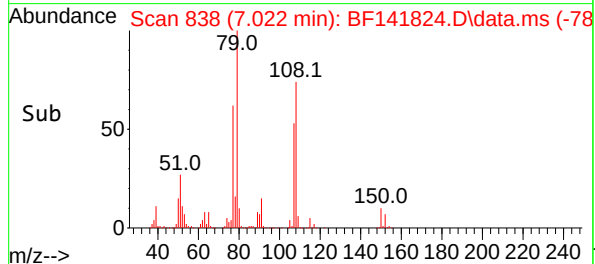
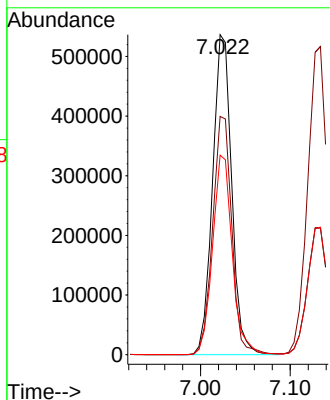
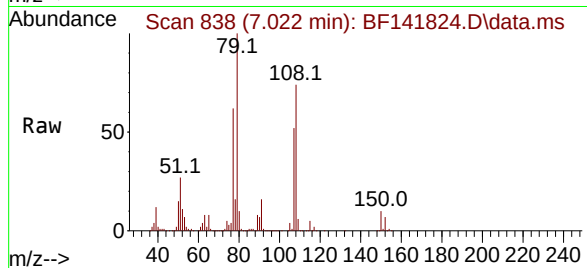
Tgt Ion: 79 Resp: 792906

Ion Ratio Lower Upper

79 100

108 74.5 60.2 90.2

77 62.3 50.2 75.2



#16

2,2'-oxybis(1-chloropropane)

Concen: 38.486 ng

RT: 7.163 min Scan# 862

Delta R.T. -0.000 min

Lab File: BF141824.D

Acq: 04 Mar 2025 13:46

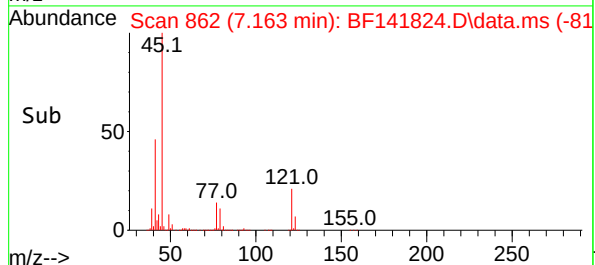
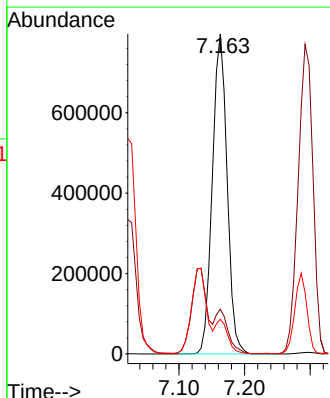
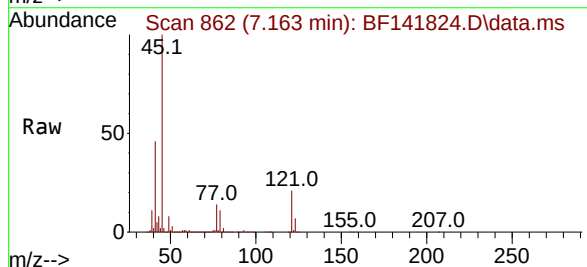
Tgt Ion: 45 Resp: 1239421

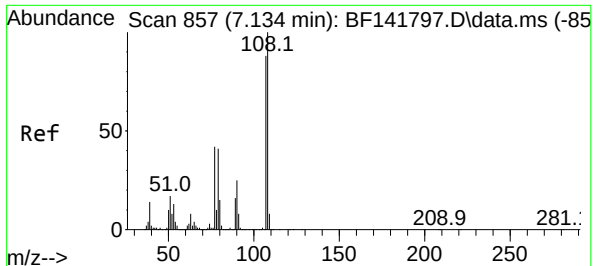
Ion Ratio Lower Upper

45 100

77 14.0 0.0 34.4

79 10.9 0.0 30.9

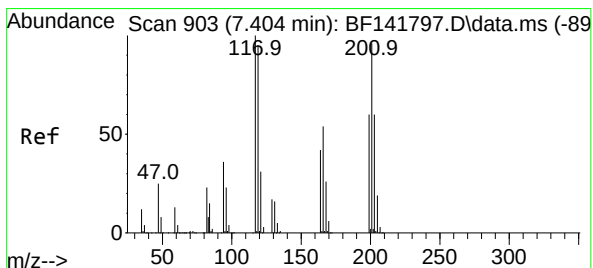
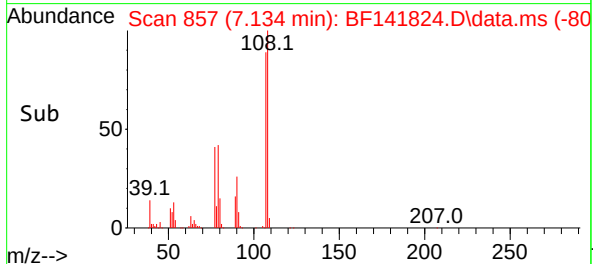
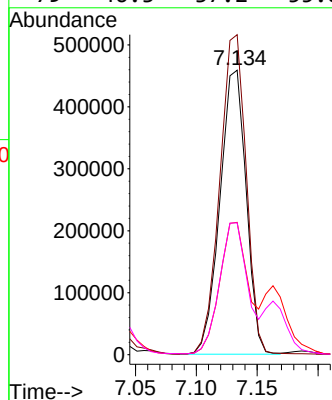
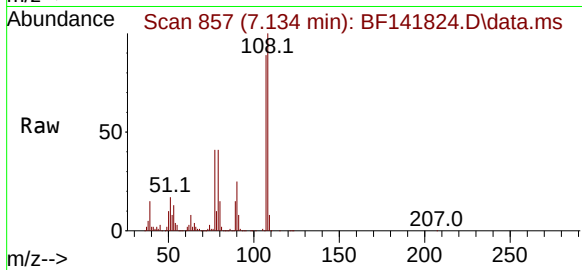




#17  
2-Methylphenol  
Concen: 38.500 ng  
RT: 7.134 min Scan# 857  
Delta R.T. -0.000 min  
Lab File: BF141824.D  
Acq: 04 Mar 2025 13:46

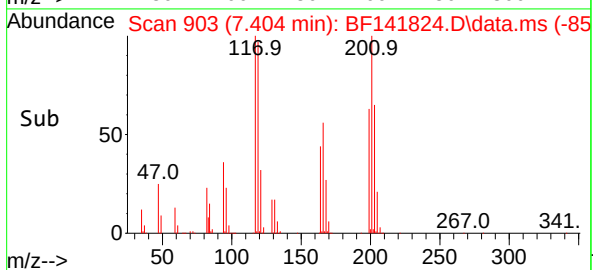
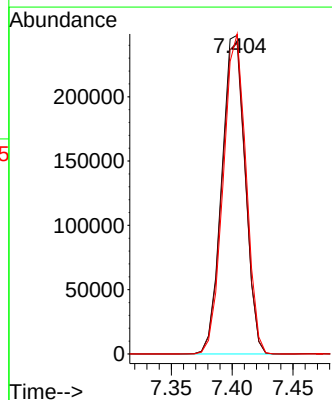
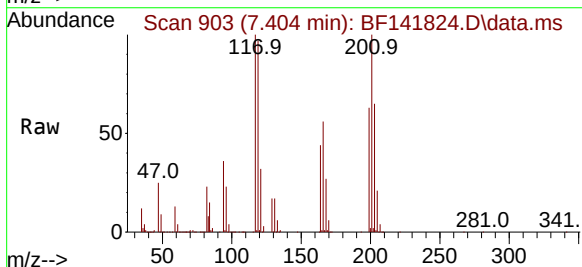
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

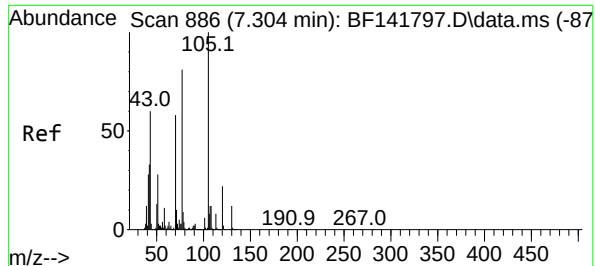
Tgt Ion:107 Resp: 687604  
Ion Ratio Lower Upper  
107 100  
108 112.5 90.6 135.8  
77 46.5 37.7 56.5  
79 46.3 37.2 55.8



#18  
Hexachloroethane  
Concen: 38.006 ng  
RT: 7.404 min Scan# 903  
Delta R.T. -0.000 min  
Lab File: BF141824.D  
Acq: 04 Mar 2025 13:46

Tgt Ion:117 Resp: 332119  
Ion Ratio Lower Upper  
117 100  
119 97.5 75.8 113.8  
201 100.4 76.7 115.1





#19

n-Nitroso-di-n-propylamine

Concen: 36.376 ng

RT: 7.298 min Scan# 885

Delta R.T. -0.006 min

Lab File: BF141824.D

Acq: 04 Mar 2025 13:46

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 70 Resp: 622532

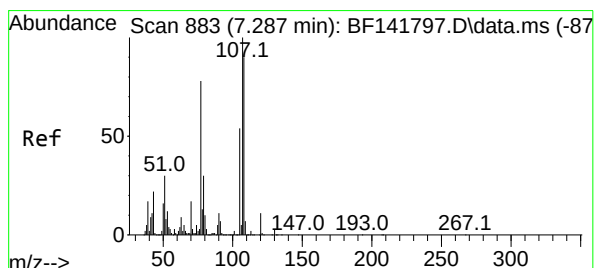
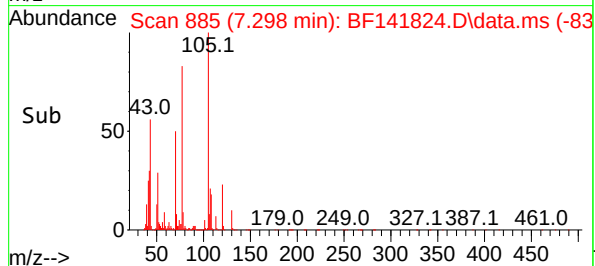
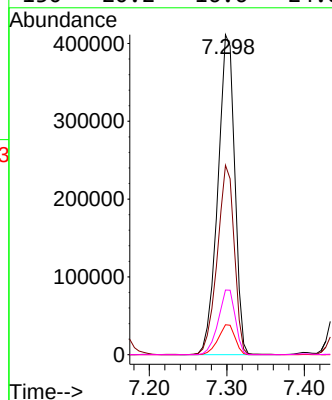
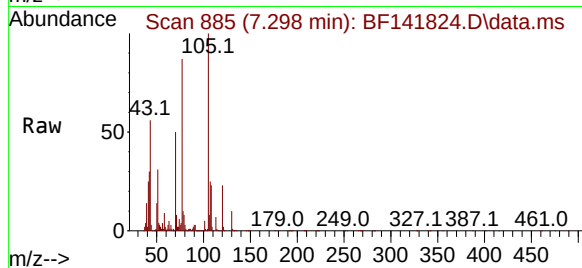
Ion Ratio Lower Upper

70 100

42 59.2 45.4 68.0

101 9.4 7.8 11.8

130 20.2 16.6 24.8



#20

3+4-Methylphenols

Concen: 38.547 ng

RT: 7.286 min Scan# 883

Delta R.T. -0.000 min

Lab File: BF141824.D

Acq: 04 Mar 2025 13:46

Tgt Ion: 107 Resp: 857269

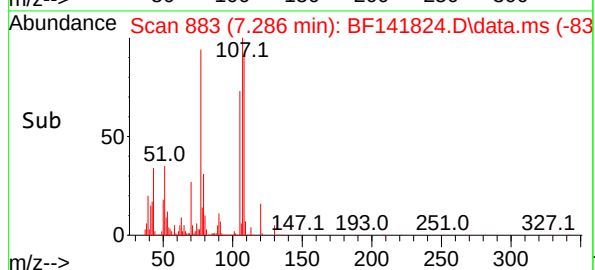
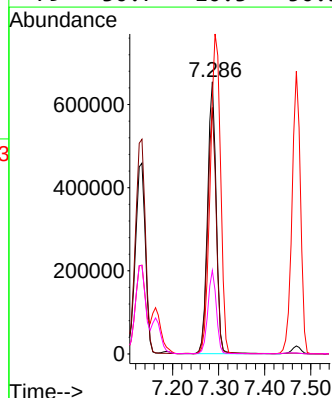
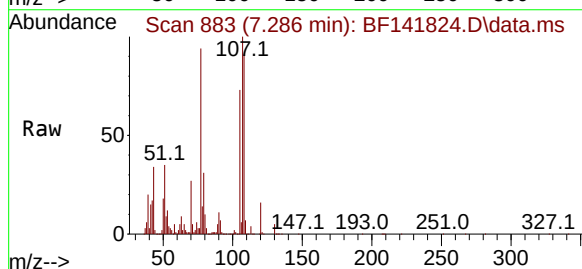
Ion Ratio Lower Upper

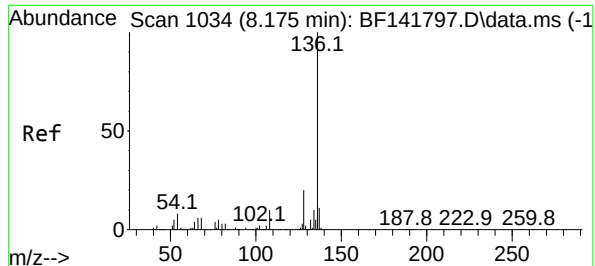
107 100

108 90.5 69.7 109.7

77 93.8 58.3 98.3

79 30.7 10.3 50.3





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.169 min Scan# 1034

Delta R.T. -0.006 min

Lab File: BF141824.D

Acq: 04 Mar 2025 13:46

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

Tgt Ion:136 Resp: 1215091

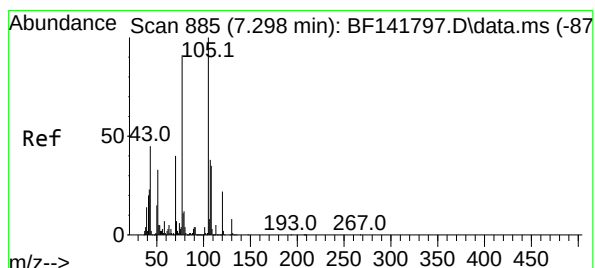
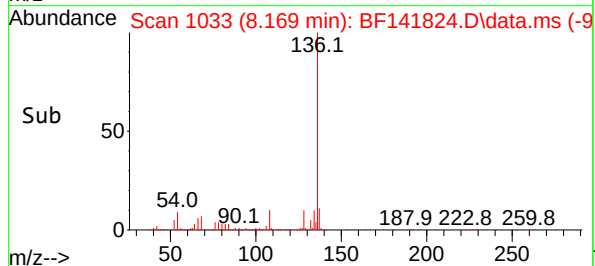
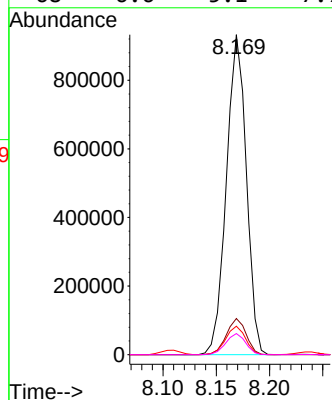
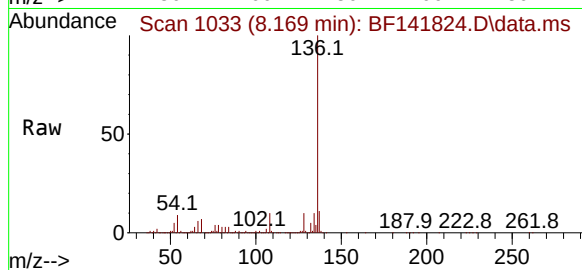
Ion Ratio Lower Upper

136 100

137 11.3 8.9 13.3

54 8.9 6.9 10.3

68 6.6 5.1 7.7



#22

Acetophenone

Concen: 38.930 ng

RT: 7.298 min Scan# 885

Delta R.T. -0.000 min

Lab File: BF141824.D

Acq: 04 Mar 2025 13:46

Tgt Ion:105 Resp: 1152069

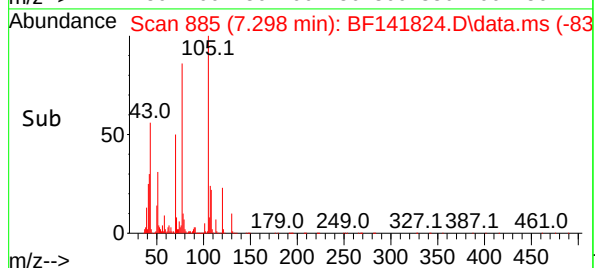
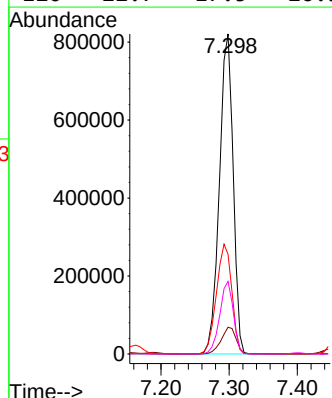
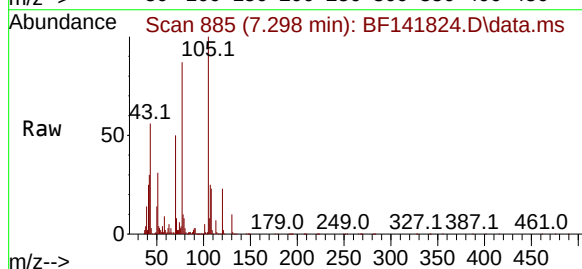
Ion Ratio Lower Upper

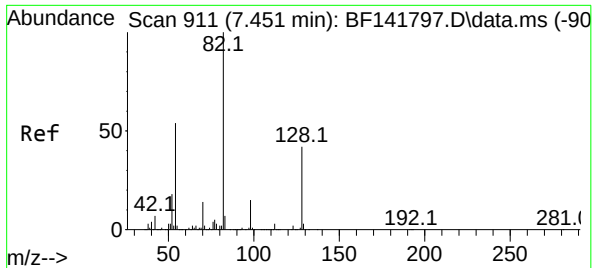
105 100

71 8.3 5.4 8.0#

51 31.2 26.1 39.1

120 22.7 17.5 26.3





#23

Nitrobenzene-d5

Concen: 85.971 ng

RT: 7.451 min Scan# 911

Delta R.T. -0.000 min

Lab File: BF141824.D

Acq: 04 Mar 2025 13:46

Instrument :

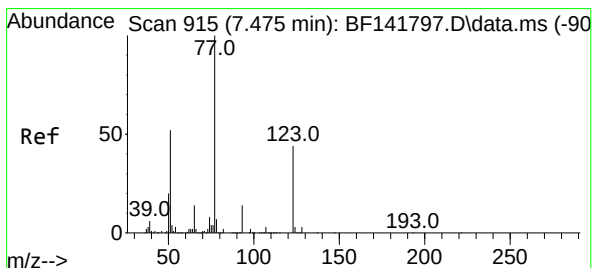
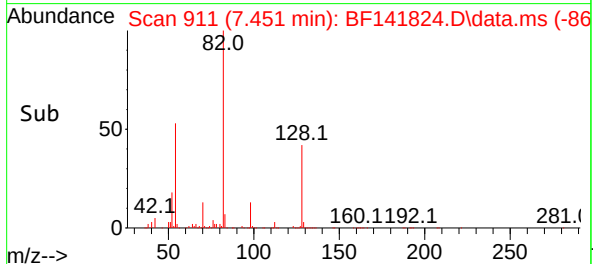
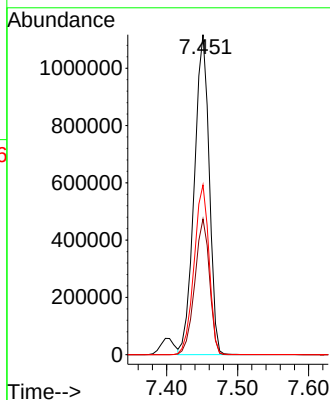
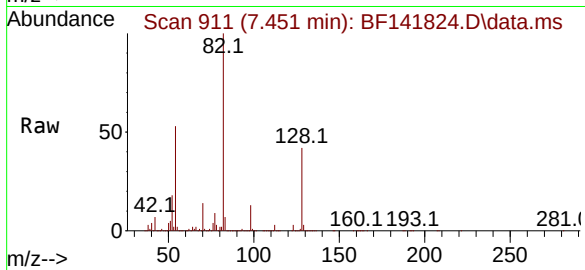
BNA\_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 82 Resp: 1634260

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 42.4  | 33.5  | 50.3  |
| 54  | 53.0  | 42.7  | 64.1  |



#24

Nitrobenzene

Concen: 42.688 ng

RT: 7.469 min Scan# 914

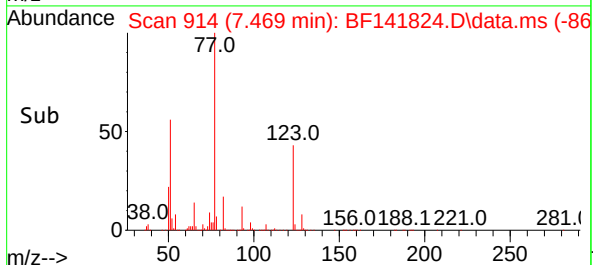
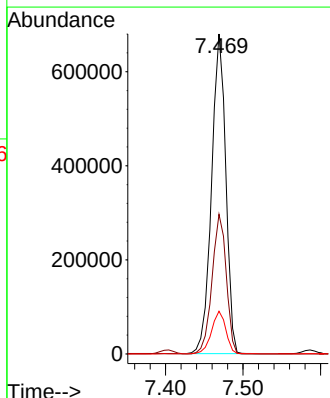
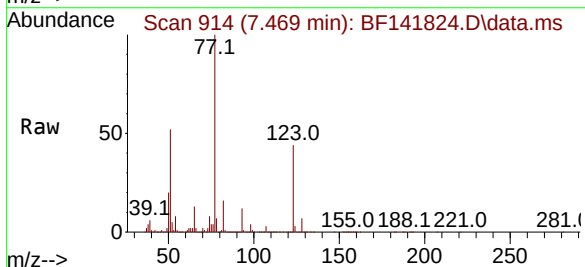
Delta R.T. -0.006 min

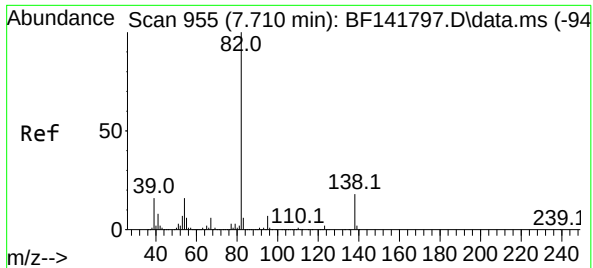
Lab File: BF141824.D

Acq: 04 Mar 2025 13:46

Tgt Ion: 77 Resp: 868977

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 77  | 100   |       |       |
| 123 | 43.6  | 35.8  | 53.8  |
| 65  | 13.4  | 11.2  | 16.8  |

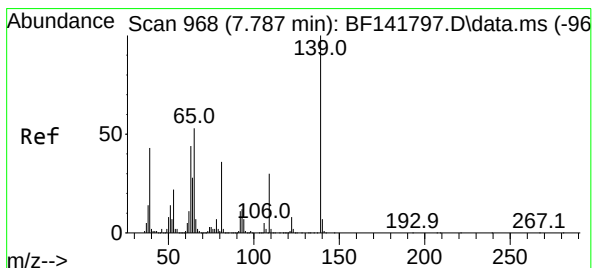
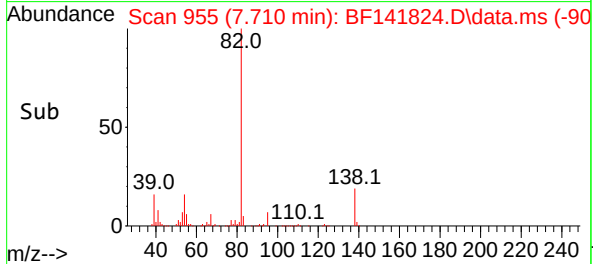
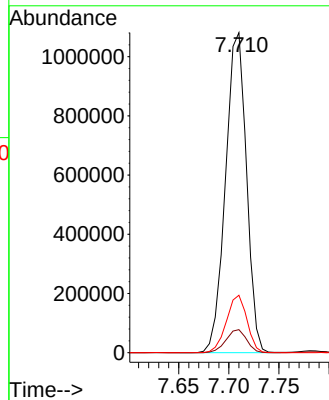
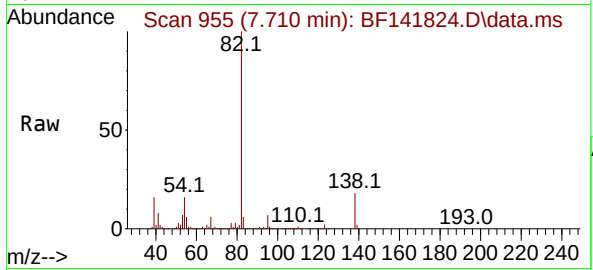




#25  
Isophorone  
Concen: 38.485 ng  
RT: 7.710 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: BF141824.D  
Acq: 04 Mar 2025 13:46

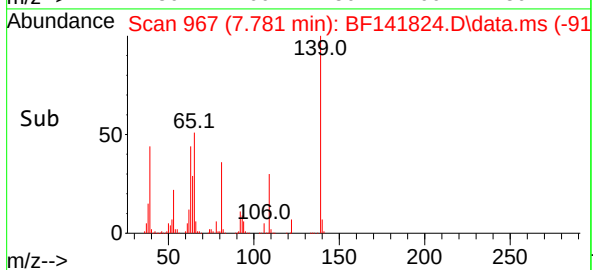
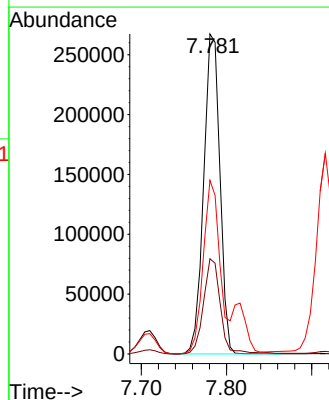
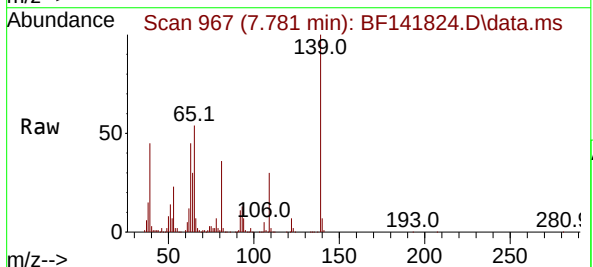
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

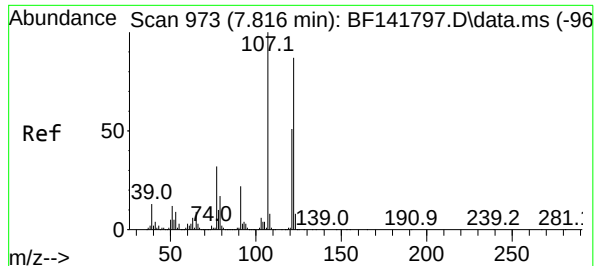
Tgt Ion: 82 Resp: 1571685  
Ion Ratio Lower Upper  
82 100  
95 7.2 5.8 8.8  
138 17.9 14.0 21.0



#26  
2-Nitrophenol  
Concen: 39.806 ng  
RT: 7.781 min Scan# 967  
Delta R.T. -0.006 min  
Lab File: BF141824.D  
Acq: 04 Mar 2025 13:46

Tgt Ion: 139 Resp: 354182  
Ion Ratio Lower Upper  
139 100  
109 29.8 24.1 36.1  
65 54.2 42.3 63.5





#27

2,4-Dimethylphenol

Concen: 39.670 ng

RT: 7.816 min Scan# 91

Delta R.T. -0.000 min

Lab File: BF141824.D

Acq: 04 Mar 2025 13:46

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

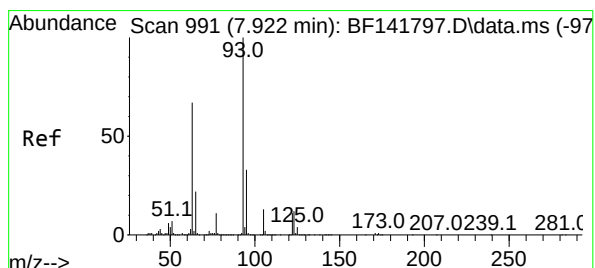
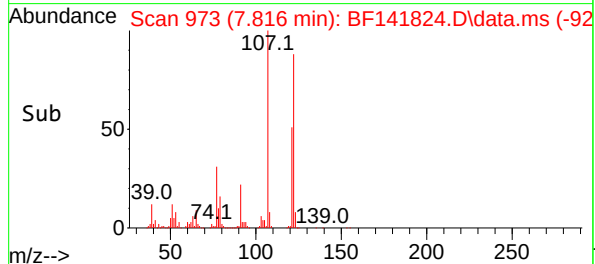
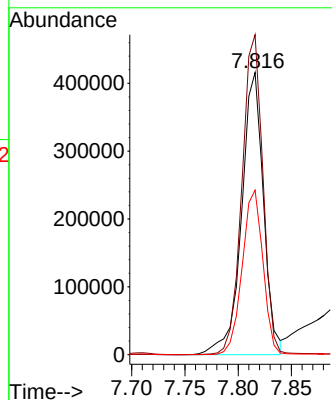
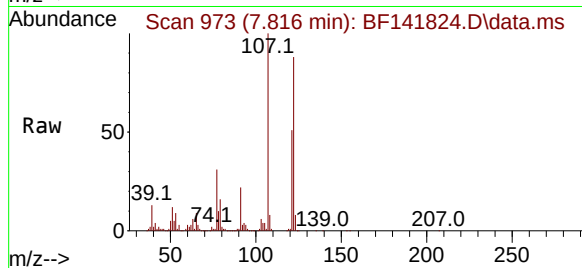
Tgt Ion:122 Resp: 595528

Ion Ratio Lower Upper

122 100

107 113.4 92.5 138.7

121 58.3 47.1 70.7



#28

bis(2-Chloroethoxy)methane

Concen: 38.187 ng

RT: 7.916 min Scan# 990

Delta R.T. -0.006 min

Lab File: BF141824.D

Acq: 04 Mar 2025 13:46

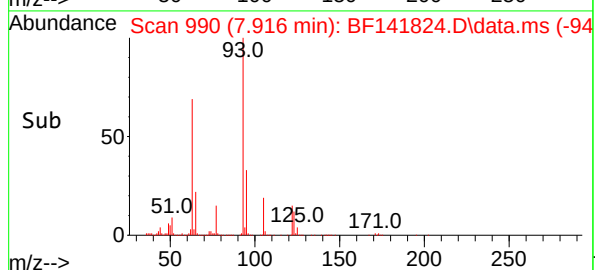
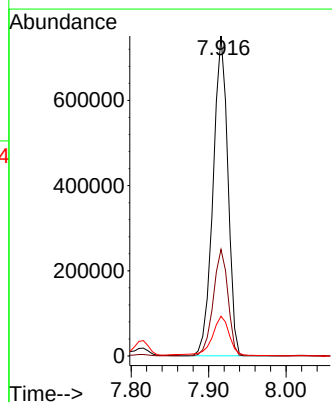
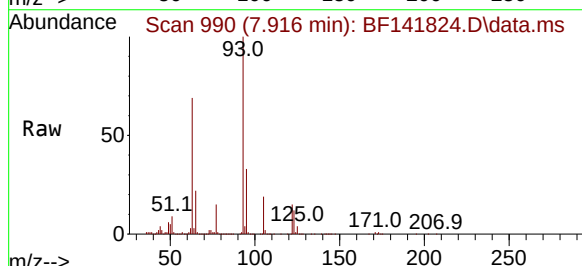
Tgt Ion: 93 Resp: 994830

Ion Ratio Lower Upper

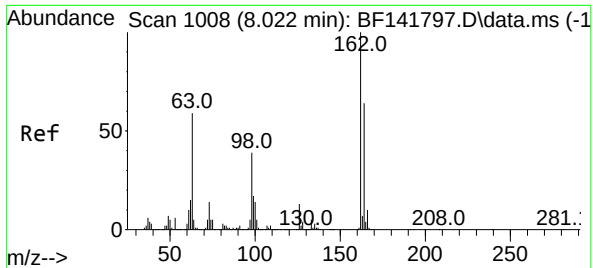
93 100

95 33.3 26.5 39.7

123 12.4 10.0 15.0







#29

2,4-Dichlorophenol

Concen: 40.674 ng

RT: 8.022 min Scan# 1008

Delta R.T. -0.000 min

Lab File: BF141824.D

Acq: 04 Mar 2025 13:46

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

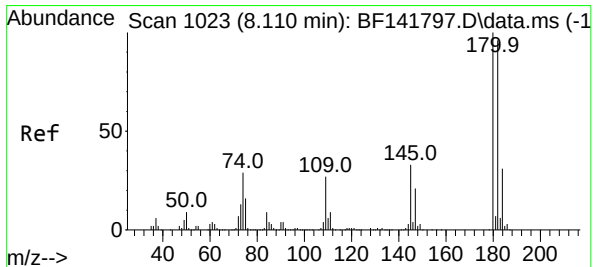
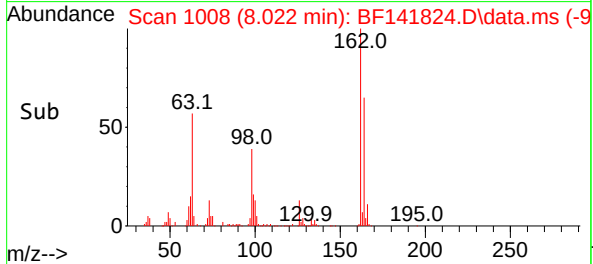
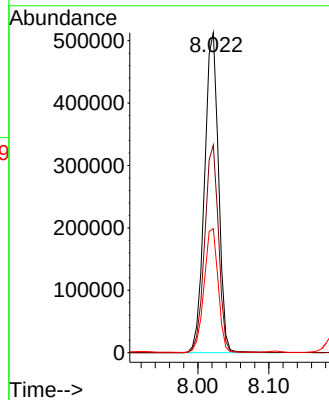
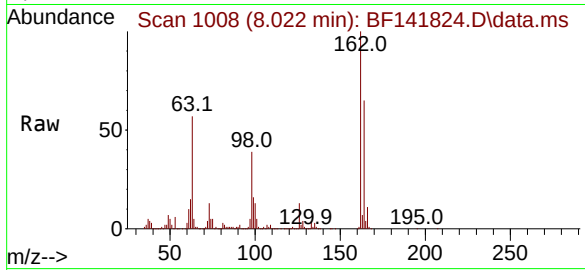
Tgt Ion:162 Resp: 704417

Ion Ratio Lower Upper

162 100

164 64.9 44.3 84.3

98 38.7 19.6 59.6



#30

1,2,4-Trichlorobenzene

Concen: 40.151 ng

RT: 8.110 min Scan# 1023

Delta R.T. -0.000 min

Lab File: BF141824.D

Acq: 04 Mar 2025 13:46

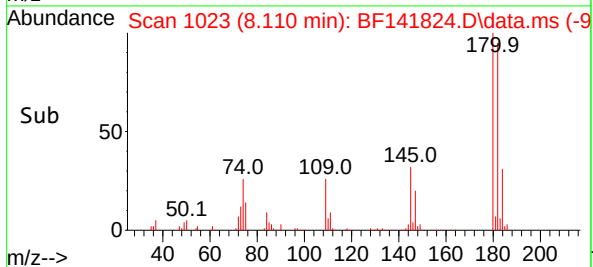
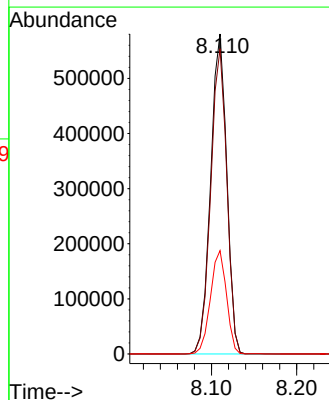
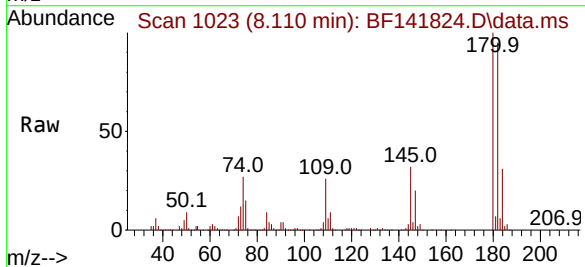
Tgt Ion:180 Resp: 761970

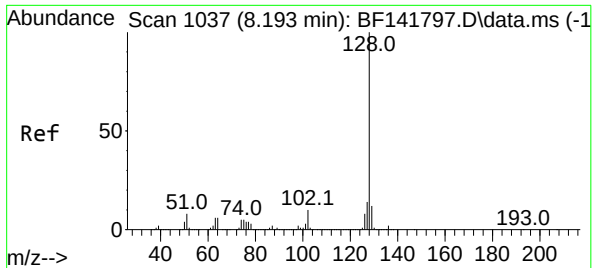
Ion Ratio Lower Upper

180 100

182 95.4 76.8 115.2

145 32.3 26.4 39.6

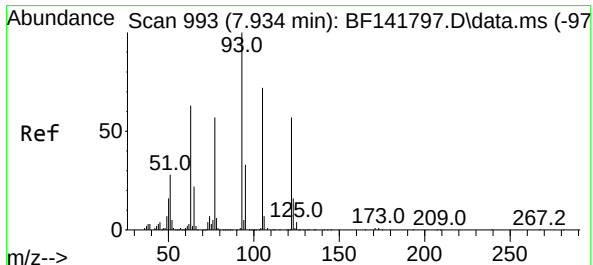
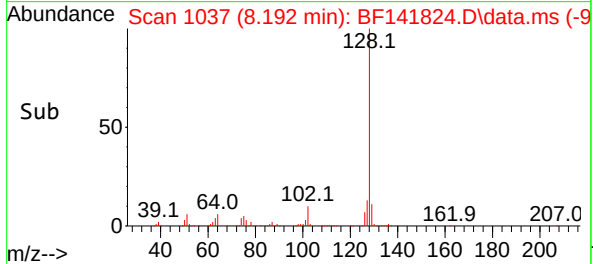
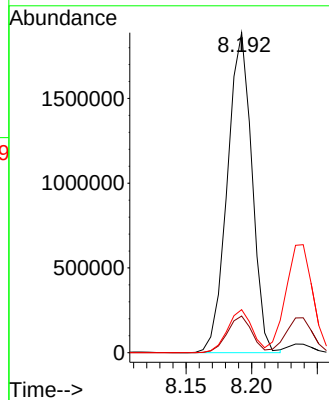
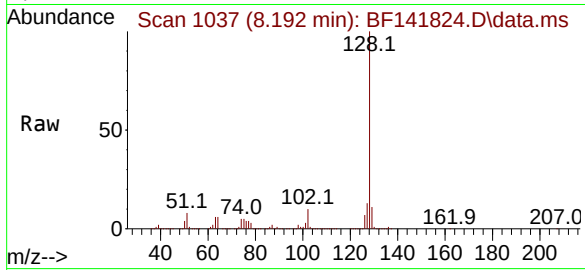




#31  
Naphthalene  
Concen: 39.335 ng  
RT: 8.192 min Scan# 1037  
Delta R.T. -0.000 min  
Lab File: BF141824.D  
Acq: 04 Mar 2025 13:46

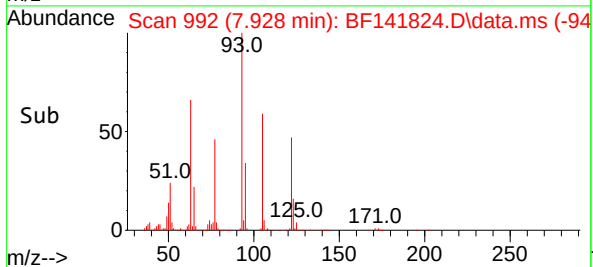
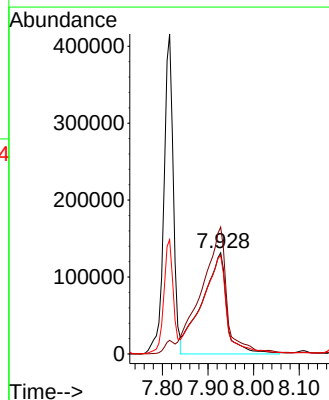
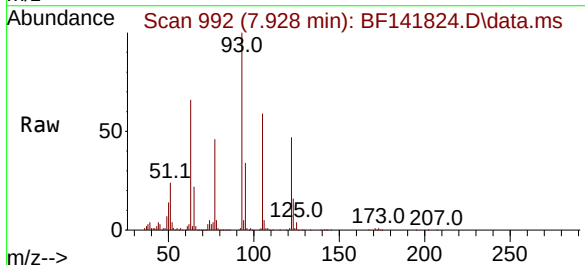
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

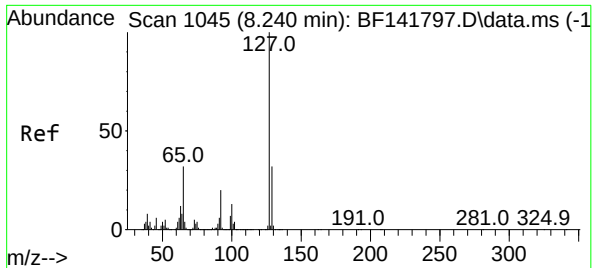
Tgt Ion:128 Resp: 2456478  
Ion Ratio Lower Upper  
128 100  
129 11.4 9.2 13.8  
127 13.5 11.0 16.4



#32  
Benzoic acid  
Concen: 41.068 ng m  
RT: 7.928 min Scan# 992  
Delta R.T. -0.006 min  
Lab File: BF141824.D  
Acq: 04 Mar 2025 13:46

Tgt Ion:122 Resp: 498003  
Ion Ratio Lower Upper  
122 100  
105 125.4 105.8 145.8  
77 97.3 79.9 119.9

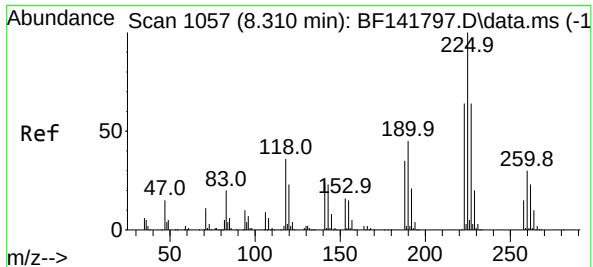
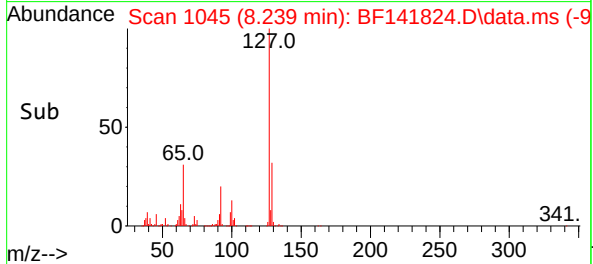
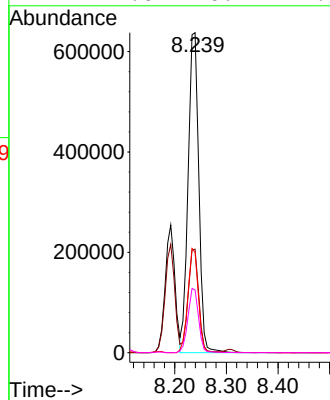
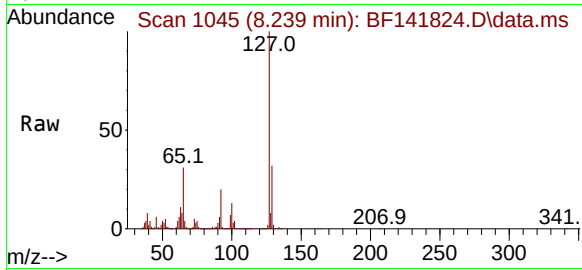




#33  
4-Chloroaniline  
Concen: 40.039 ng  
RT: 8.239 min Scan# 1045  
Delta R.T. -0.000 min  
Lab File: BF141824.D  
Acq: 04 Mar 2025 13:46

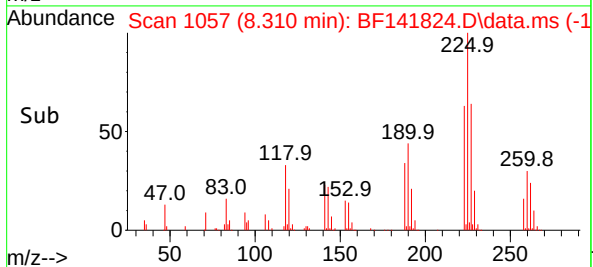
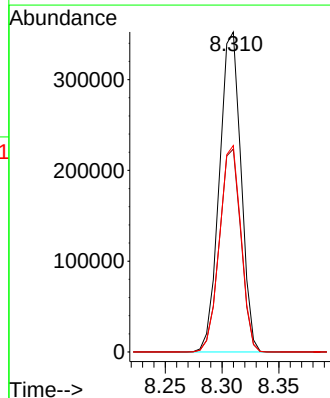
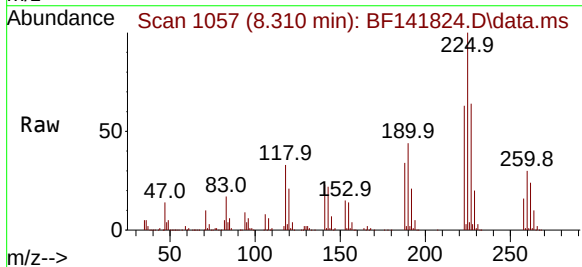
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

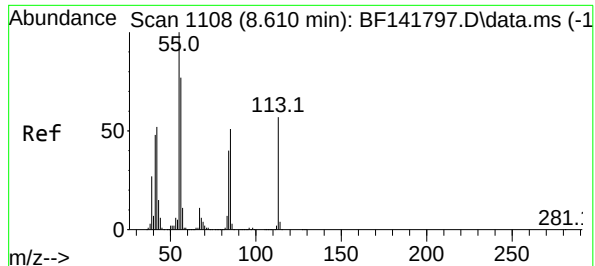
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 127   | Resp: | 916818 |
| Ion      | Ratio | Lower | Upper  |
| 127      | 100   |       |        |
| 129      | 32.3  | 26.1  | 39.1   |
| 65       | 31.4  | 25.7  | 38.5   |
| 92       | 19.6  | 16.1  | 24.1   |



#34  
Hexachlorobutadiene  
Concen: 39.464 ng  
RT: 8.310 min Scan# 1057  
Delta R.T. -0.000 min  
Lab File: BF141824.D  
Acq: 04 Mar 2025 13:46

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 225   | Resp: | 465387 |
| Ion      | Ratio | Lower | Upper  |
| 225      | 100   |       |        |
| 223      | 63.4  | 51.4  | 77.2   |
| 227      | 64.5  | 51.6  | 77.4   |





#35

Caprolactam

Concen: 41.211 ng

RT: 8.610 min Scan# 1108

Delta R.T. -0.000 min

Lab File: BF141824.D

Acq: 04 Mar 2025 13:46

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

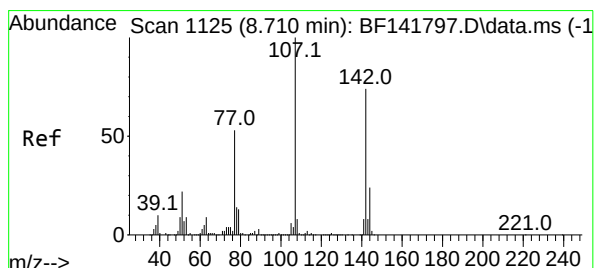
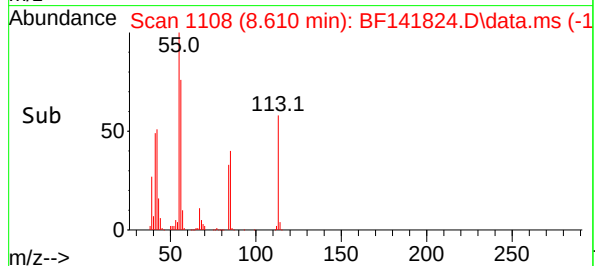
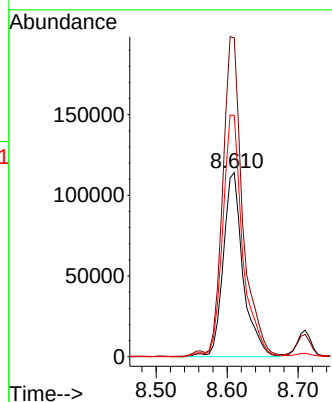
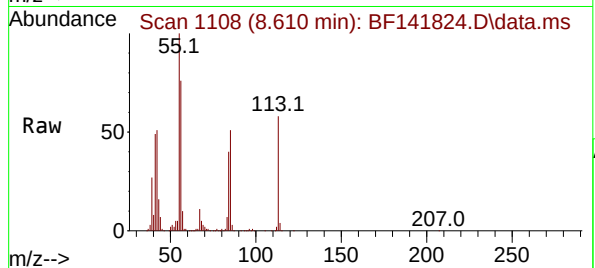
Tgt Ion:113 Resp: 219565

Ion Ratio Lower Upper

113 100

55 173.3 155.6 195.6

56 131.1 114.6 154.6



#36

4-Chloro-3-methylphenol

Concen: 39.647 ng

RT: 8.710 min Scan# 1125

Delta R.T. -0.000 min

Lab File: BF141824.D

Acq: 04 Mar 2025 13:46

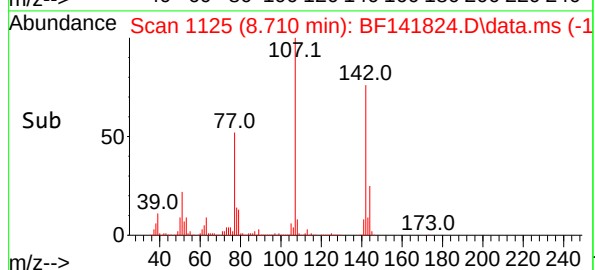
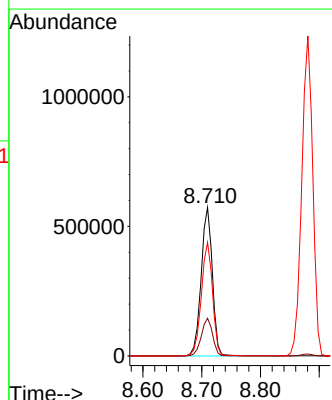
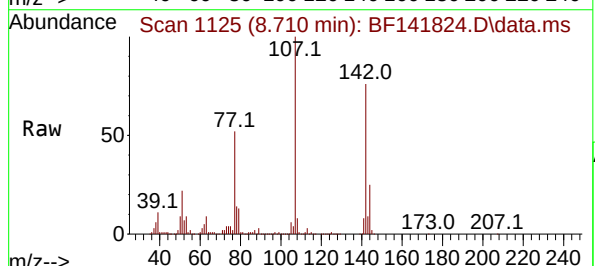
Tgt Ion:107 Resp: 762761

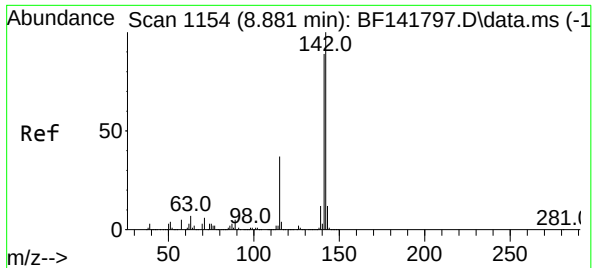
Ion Ratio Lower Upper

107 100

144 25.5 19.4 29.0

142 76.5 59.4 89.0

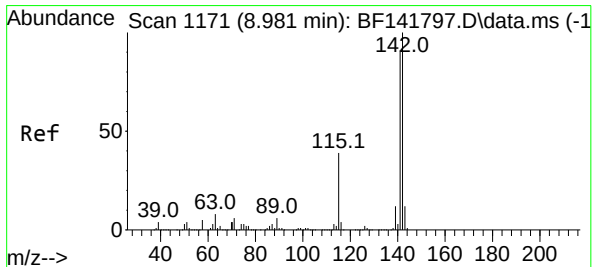
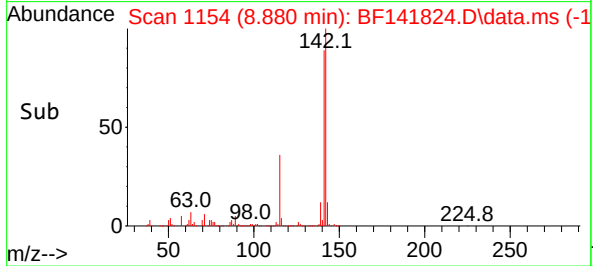
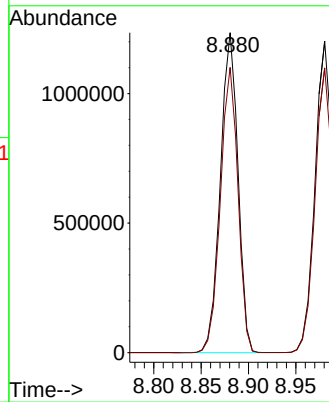
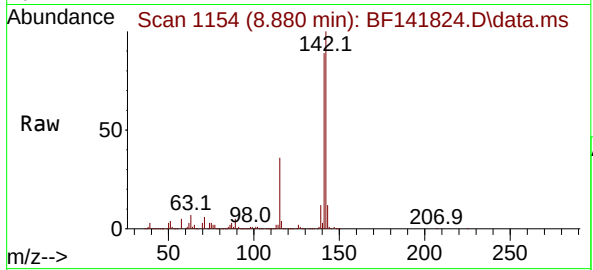




#37  
2-Methylnaphthalene  
Concen: 39.052 ng  
RT: 8.880 min Scan# 1154  
Delta R.T. -0.000 min  
Lab File: BF141824.D  
Acq: 04 Mar 2025 13:46

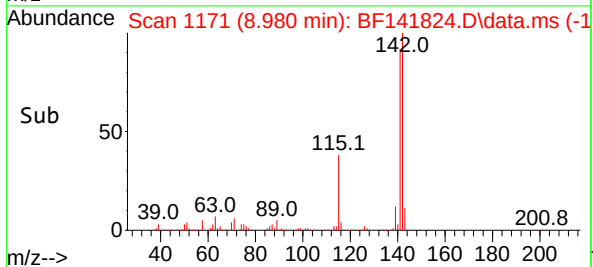
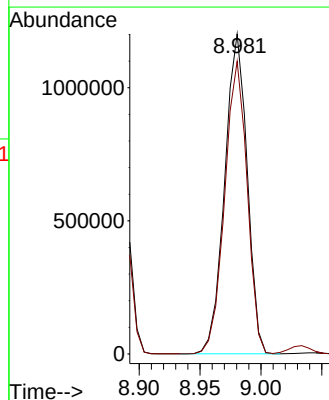
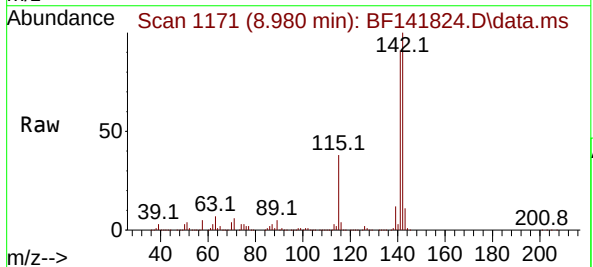
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

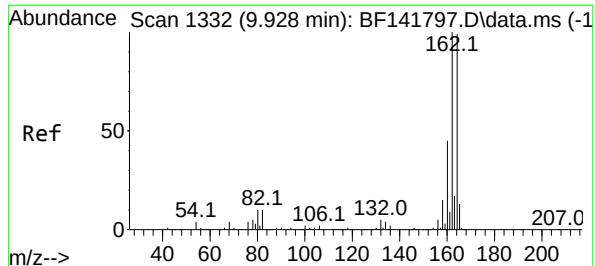
Tgt Ion:142 Resp: 1599675  
Ion Ratio Lower Upper  
142 100  
141 89.1 71.1 106.7



#38  
1-Methylnaphthalene  
Concen: 39.346 ng  
RT: 8.980 min Scan# 1171  
Delta R.T. -0.000 min  
Lab File: BF141824.D  
Acq: 04 Mar 2025 13:46

Tgt Ion:142 Resp: 1546452  
Ion Ratio Lower Upper  
142 100  
141 91.4 73.1 109.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.922 min Scan# 1182

Delta R.T. -0.006 min

Lab File: BF141824.D

Acq: 04 Mar 2025 13:46

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

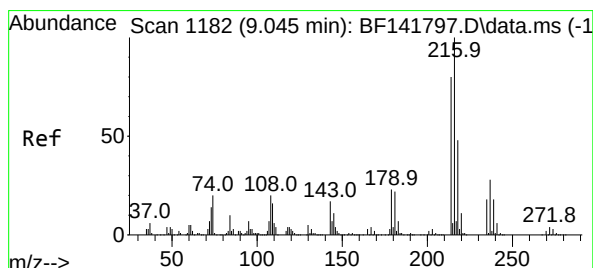
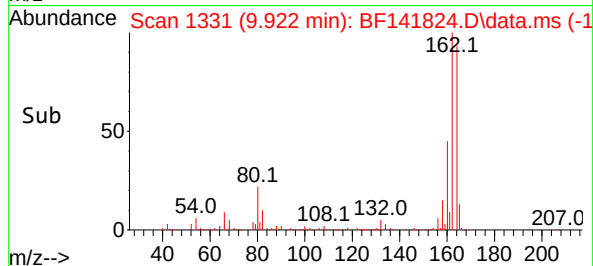
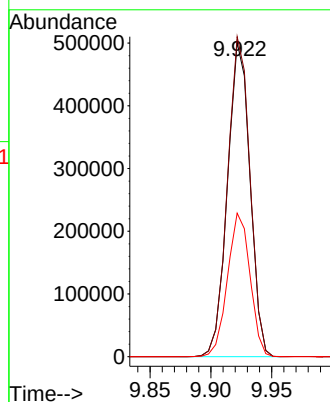
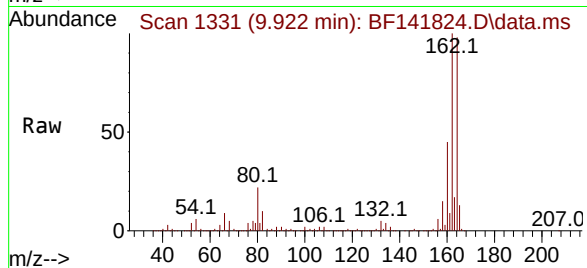
Tgt Ion:164 Resp: 645310

Ion Ratio Lower Upper

164 100

162 101.9 80.6 120.8

160 45.7 36.3 54.5



#40

1,2,4,5-Tetrachlorobenzene

Concen: 40.083 ng

RT: 9.045 min Scan# 1182

Delta R.T. -0.000 min

Lab File: BF141824.D

Acq: 04 Mar 2025 13:46

Tgt Ion:216 Resp: 747040

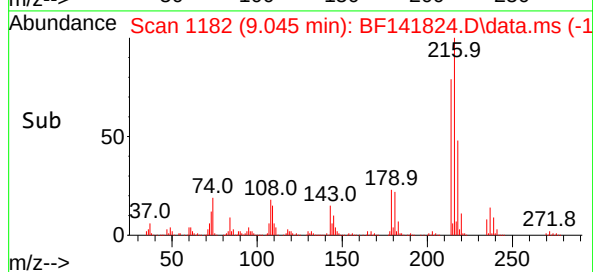
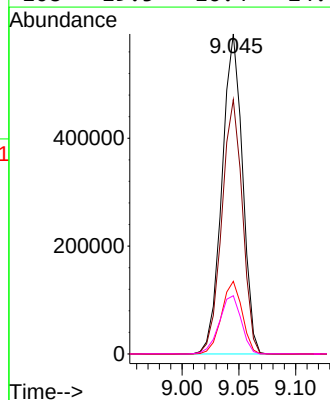
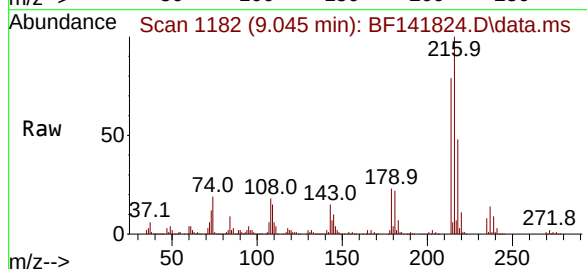
Ion Ratio Lower Upper

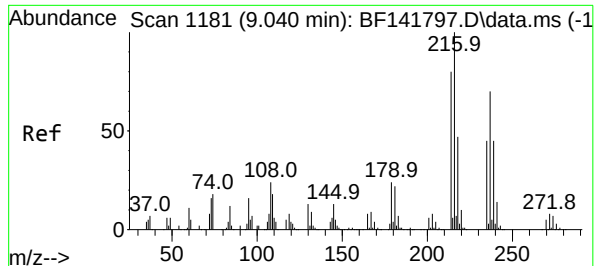
216 100

214 79.4 63.5 95.3

179 22.7 18.1 27.1

108 19.5 16.4 24.6





#41

Hexachlorocyclopentadiene

Concen: 39.707 ng

RT: 9.033 min Scan# 1181

Delta R.T. -0.006 min

Lab File: BF141824.D

Acq: 04 Mar 2025 13:46

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

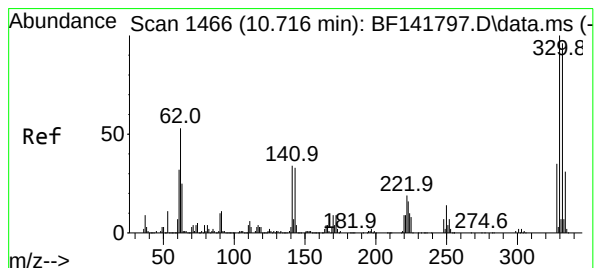
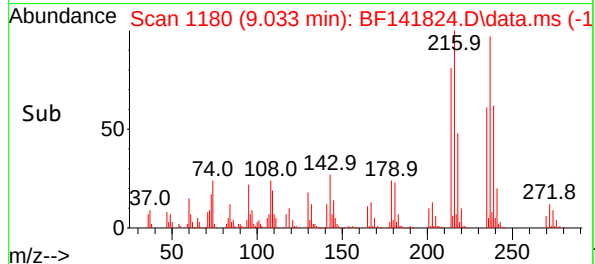
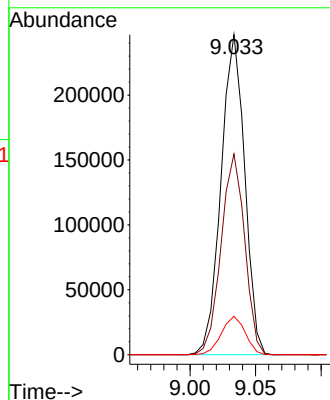
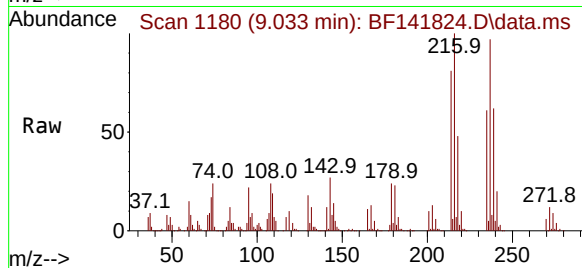
Tgt Ion:237 Resp: 308834

Ion Ratio Lower Upper

237 100

235 62.7 43.3 83.3

272 12.0 0.0 31.9



#42

2,4,6-Tribromophenol

Concen: 81.938 ng

RT: 10.710 min Scan# 1465

Delta R.T. -0.006 min

Lab File: BF141824.D

Acq: 04 Mar 2025 13:46

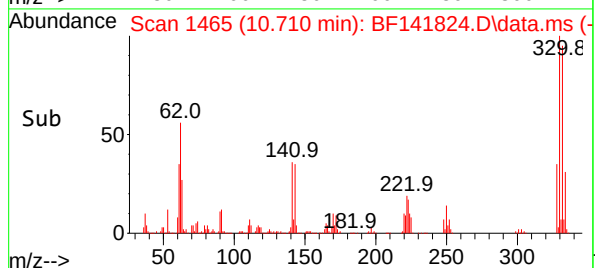
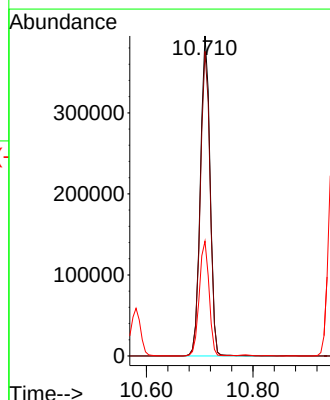
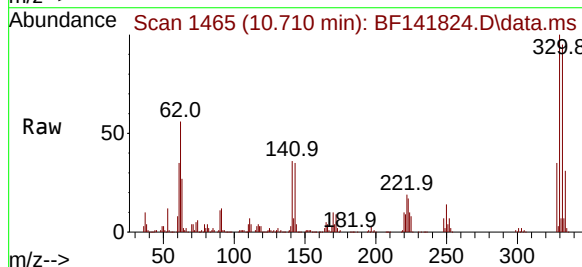
Tgt Ion:330 Resp: 496406

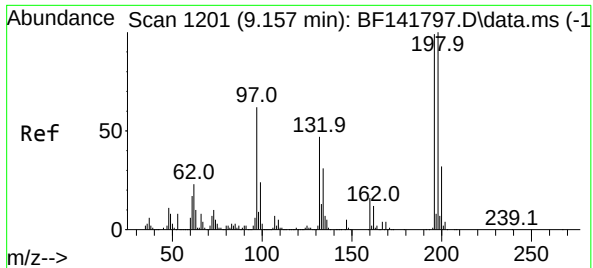
Ion Ratio Lower Upper

330 100

332 95.3 76.6 115.0

141 36.4 29.0 43.4





#43

2,4,6-Trichlorophenol

Concen: 40.905 ng

RT: 9.151 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141824.D

Acq: 04 Mar 2025 13:46

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

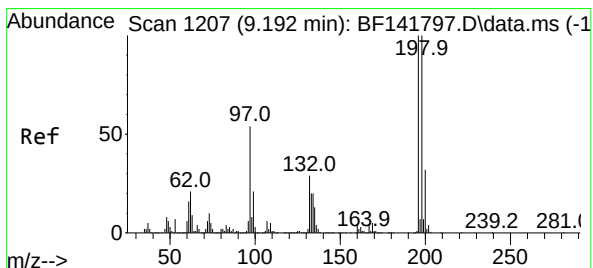
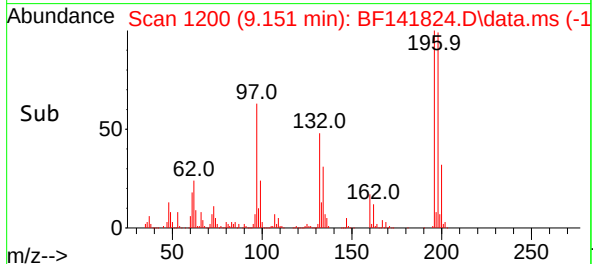
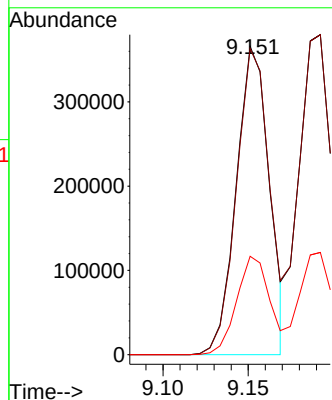
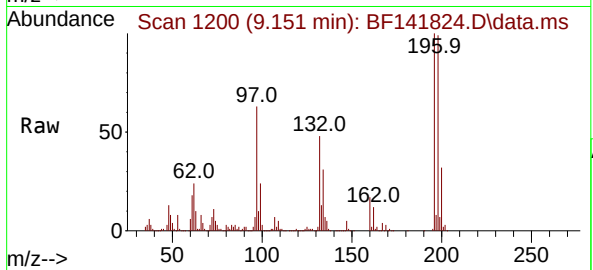
Tgt Ion:196 Resp: 492456

Ion Ratio Lower Upper

196 100

198 99.2 80.4 120.6

200 31.9 25.7 38.5



#44

2,4,5-Trichlorophenol

Concen: 42.885 ng

RT: 9.192 min Scan# 1207

Delta R.T. -0.000 min

Lab File: BF141824.D

Acq: 04 Mar 2025 13:46

Tgt Ion:196 Resp: 511248

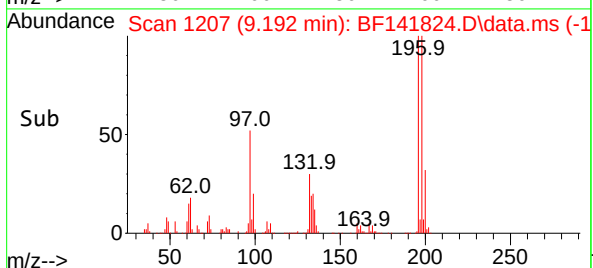
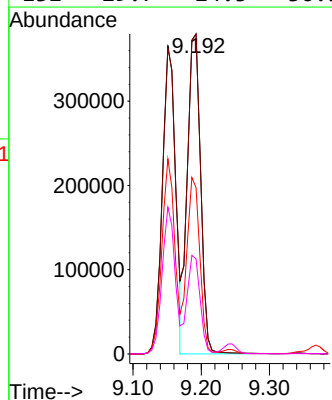
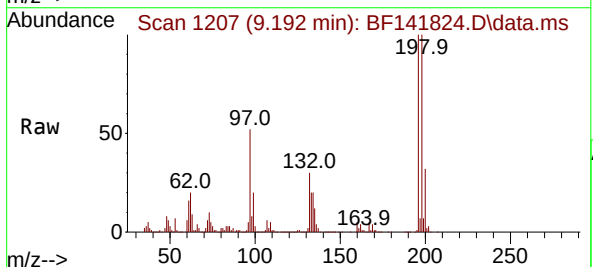
Ion Ratio Lower Upper

196 100

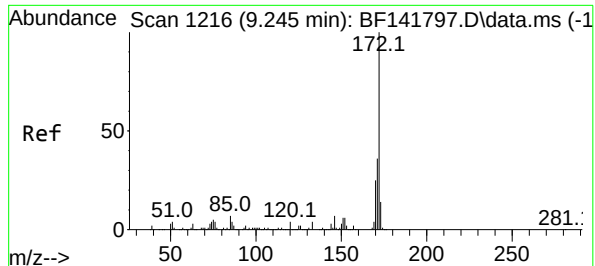
198 100.0 79.7 119.5

97 52.0 44.2 66.2

132 29.7 24.3 36.5







#45

2-Fluorobiphenyl

Concen: 78.044 ng

RT: 9.245 min Scan# 1216

Delta R.T. -0.000 min

Lab File: BF141824.D

Acq: 04 Mar 2025 13:46

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

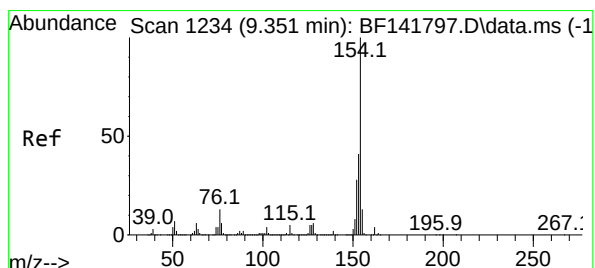
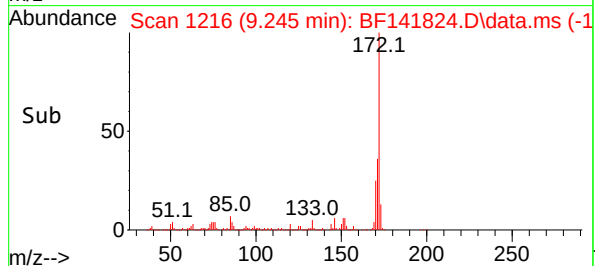
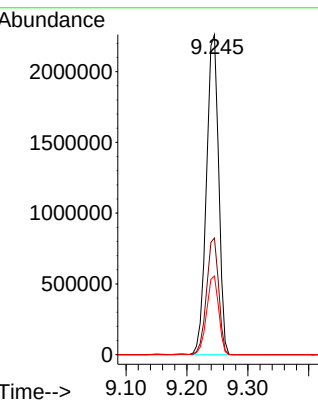
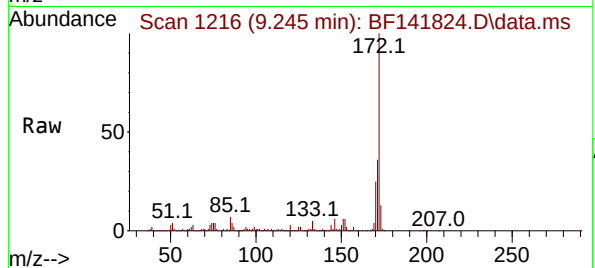
Tgt Ion:172 Resp: 3140877

Ion Ratio Lower Upper

172 100

171 36.4 29.2 43.8

170 24.6 19.7 29.5



#46

1,1'-Biphenyl

Concen: 39.974 ng

RT: 9.345 min Scan# 1233

Delta R.T. -0.006 min

Lab File: BF141824.D

Acq: 04 Mar 2025 13:46

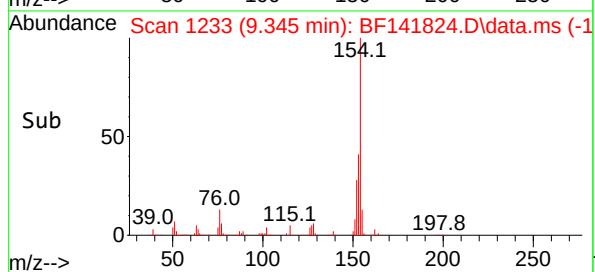
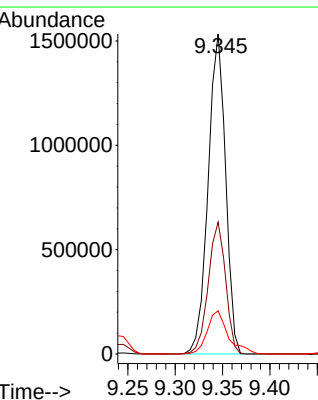
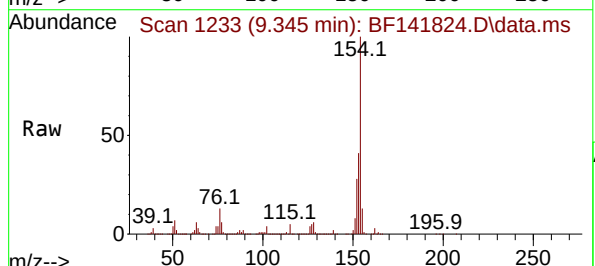
Tgt Ion:154 Resp: 1963437

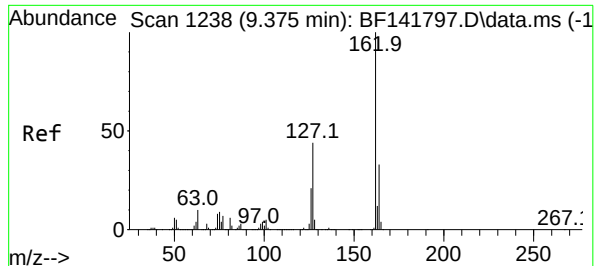
Ion Ratio Lower Upper

154 100

153 41.2 21.4 61.4

76 13.5 0.0 33.4





#47

2-Chloronaphthalene

Concen: 40.506 ng

RT: 9.369 min Scan# 1238

Delta R.T. -0.006 min

Lab File: BF141824.D

Acq: 04 Mar 2025 13:46

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

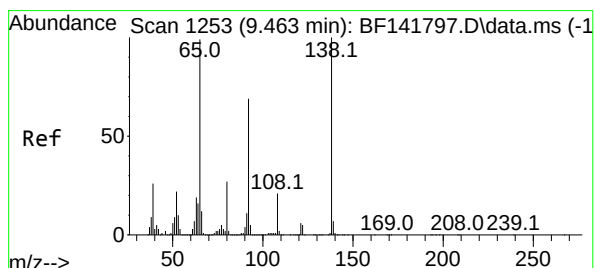
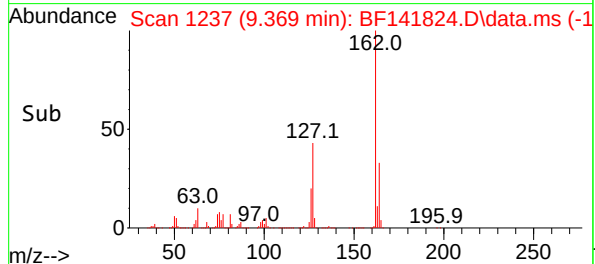
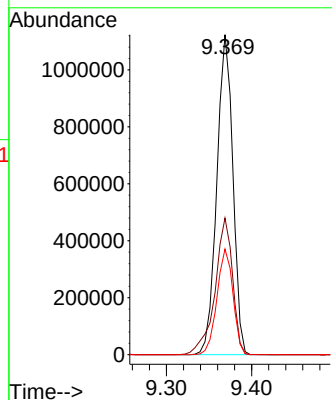
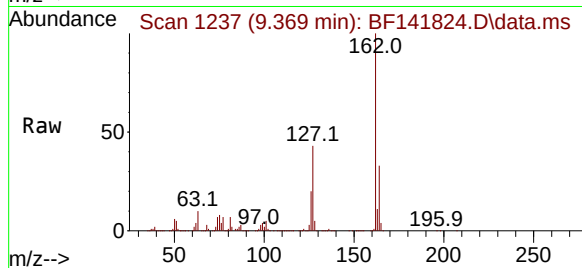
Tgt Ion:162 Resp: 1468474

Ion Ratio Lower Upper

162 100

127 42.7 35.0 52.6

164 33.0 26.6 40.0



#48

2-Nitroaniline

Concen: 42.073 ng

RT: 9.463 min Scan# 1253

Delta R.T. -0.000 min

Lab File: BF141824.D

Acq: 04 Mar 2025 13:46

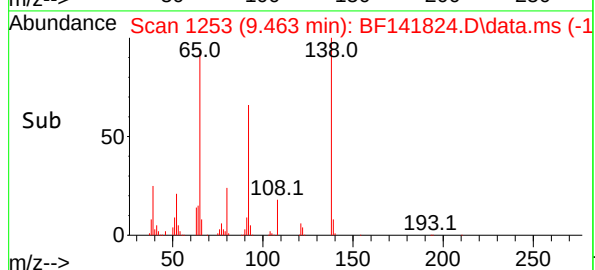
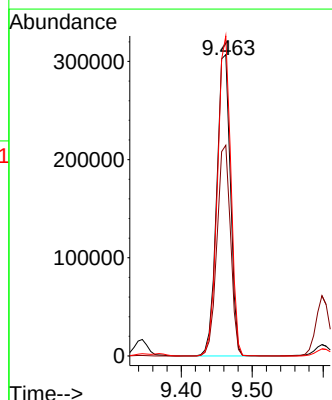
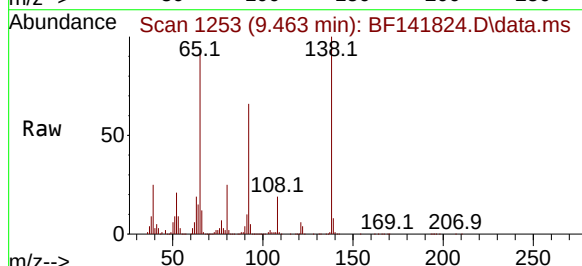
Tgt Ion: 65 Resp: 411664

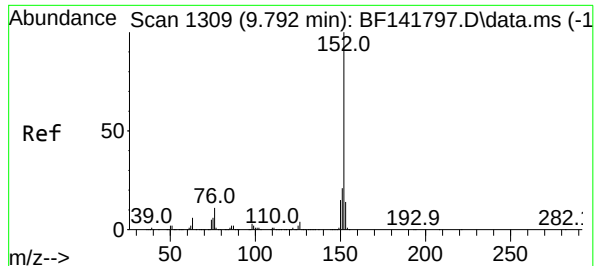
Ion Ratio Lower Upper

65 100

92 70.0 55.7 83.5

138 106.2 80.6 121.0





#49

Acenaphthylene

Concen: 40.140 ng

RT: 9.786 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF141824.D

Acq: 04 Mar 2025 13:46

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

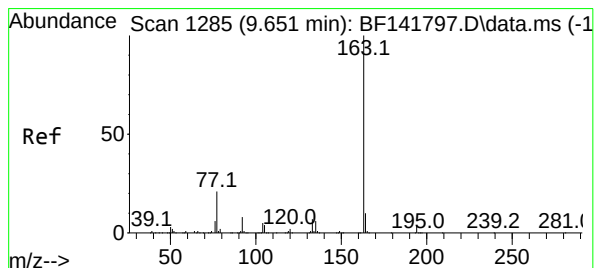
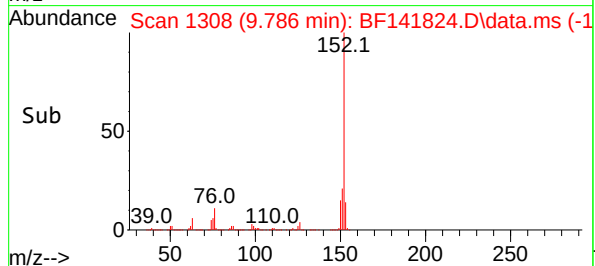
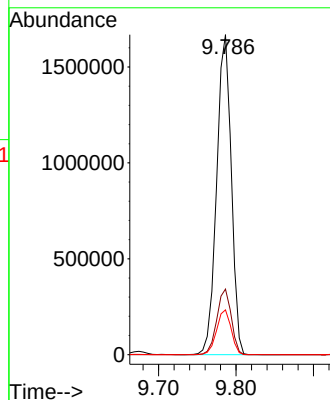
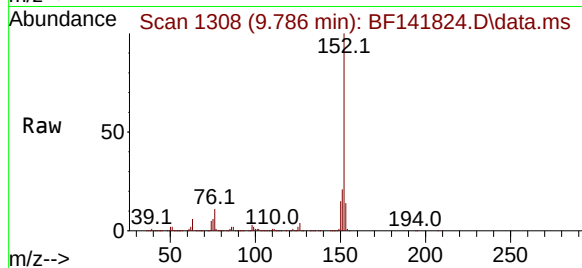
Tgt Ion:152 Resp: 2181808

Ion Ratio Lower Upper

152 100

151 20.5 16.6 24.8

153 14.0 11.2 16.8



#50

Dimethylphthalate

Concen: 38.918 ng

RT: 9.645 min Scan# 1284

Delta R.T. -0.006 min

Lab File: BF141824.D

Acq: 04 Mar 2025 13:46

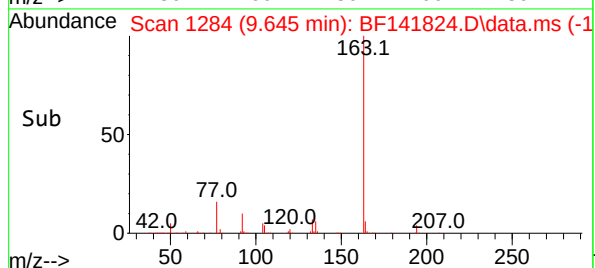
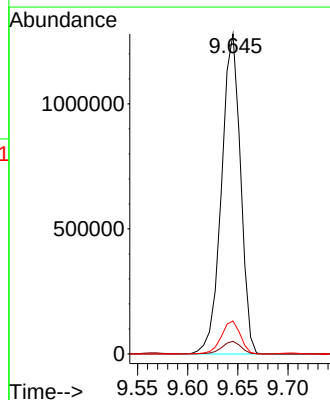
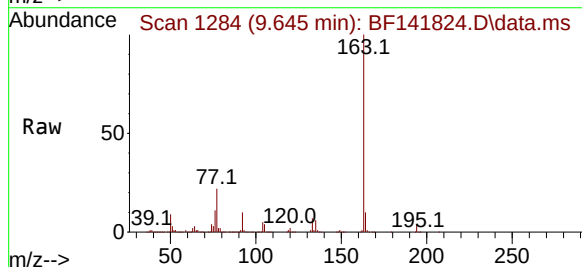
Tgt Ion:163 Resp: 1681847

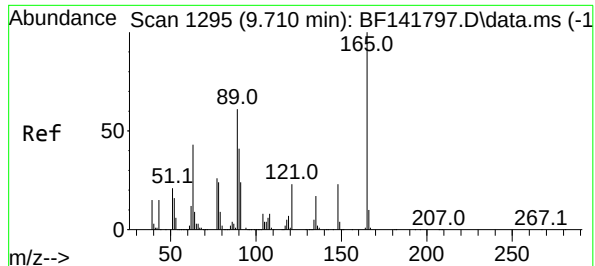
Ion Ratio Lower Upper

163 100

194 4.0 3.1 4.7

164 10.3 8.4 12.6





#51

2,6-Dinitrotoluene

Concen: 41.050 ng

RT: 9.704 min Scan# 1295

Delta R.T. -0.006 min

Lab File: BF141824.D

Acq: 04 Mar 2025 13:46

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

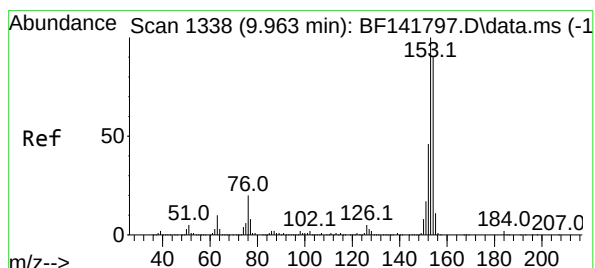
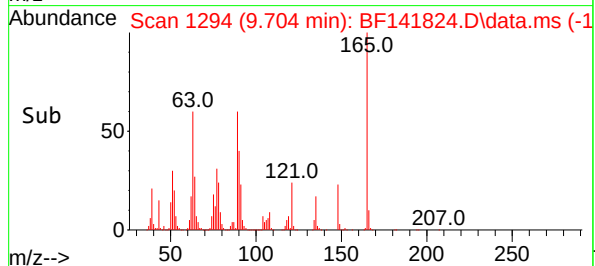
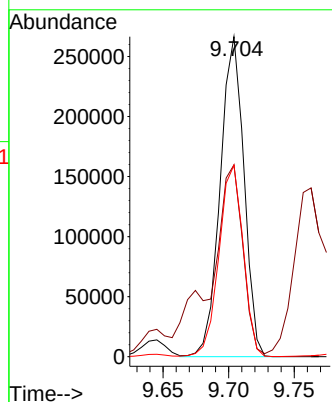
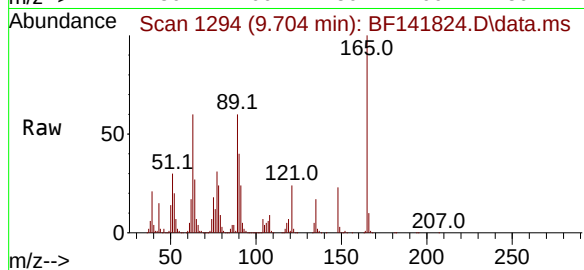
Tgt Ion:165 Resp: 335762

Ion Ratio Lower Upper

165 100

63 59.9 49.5 74.3

89 59.8 49.0 73.4



#52

Acenaphthene

Concen: 40.580 ng

RT: 9.957 min Scan# 1337

Delta R.T. -0.006 min

Lab File: BF141824.D

Acq: 04 Mar 2025 13:46

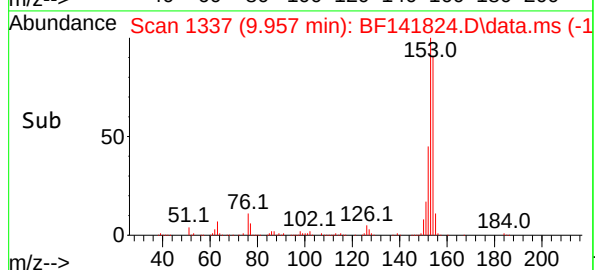
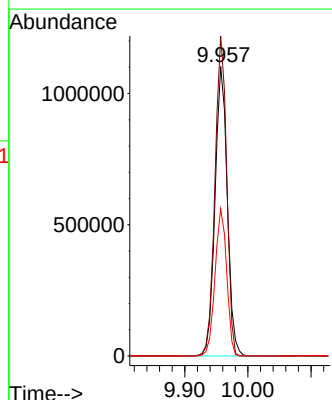
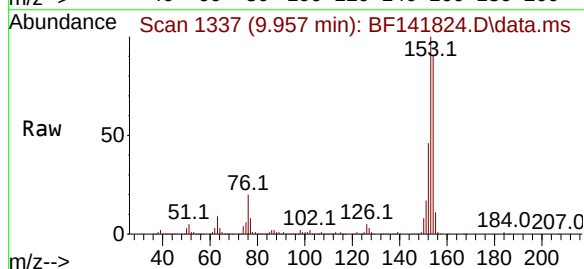
Tgt Ion:154 Resp: 1488313

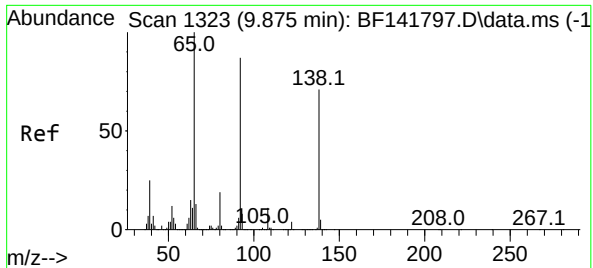
Ion Ratio Lower Upper

154 100

153 110.5 88.7 133.1

152 50.9 40.9 61.3

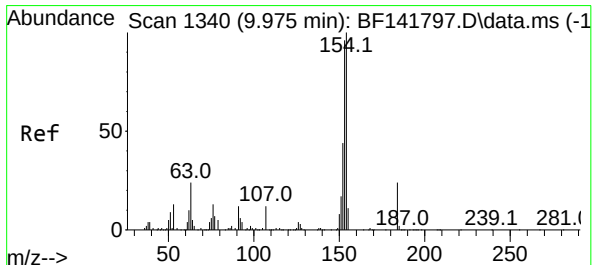
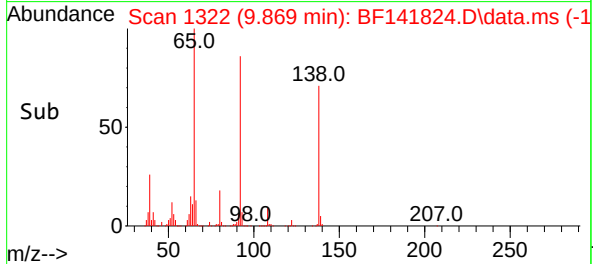
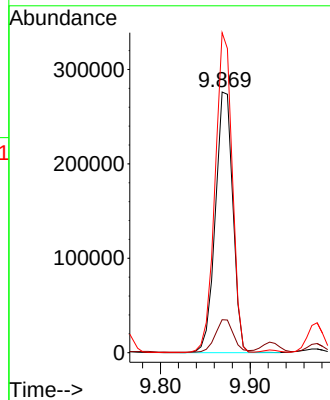
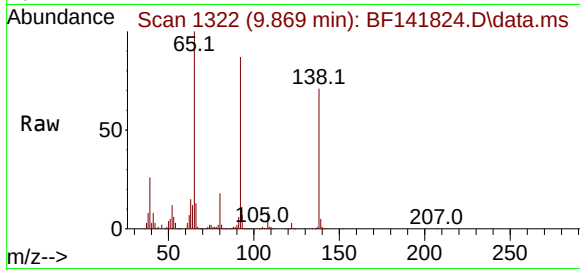




#53  
3-Nitroaniline  
Concen: 42.742 ng  
RT: 9.869 min Scan# 1323  
Delta R.T. -0.006 min  
Lab File: BF141824.D  
Acq: 04 Mar 2025 13:46

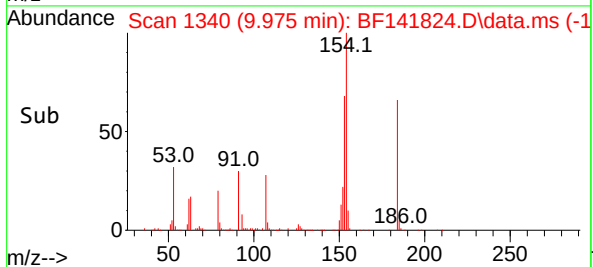
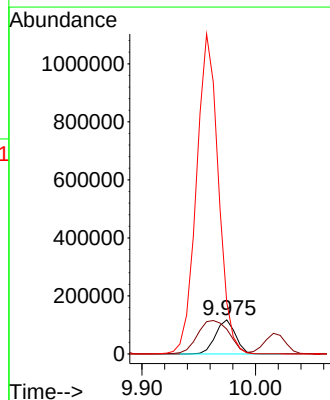
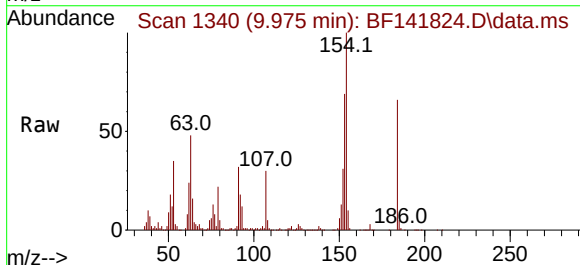
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

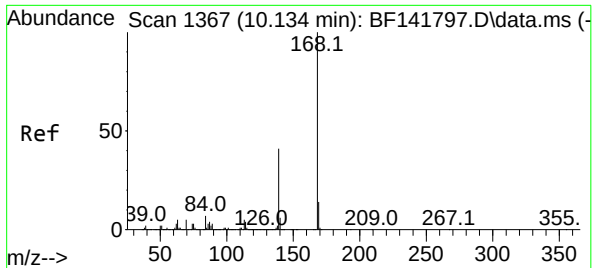
Tgt Ion:138 Resp: 373329  
Ion Ratio Lower Upper  
138 100  
108 12.7 12.7 19.1#  
92 122.8 97.9 146.9



#54  
2,4-Dinitrophenol  
Concen: 45.715 ng  
RT: 9.975 min Scan# 1340  
Delta R.T. -0.000 min  
Lab File: BF141824.D  
Acq: 04 Mar 2025 13:46

Tgt Ion:184 Resp: 143536  
Ion Ratio Lower Upper  
184 100  
63 73.0 79.0 118.6#  
154 151.4 335.8 503.8#

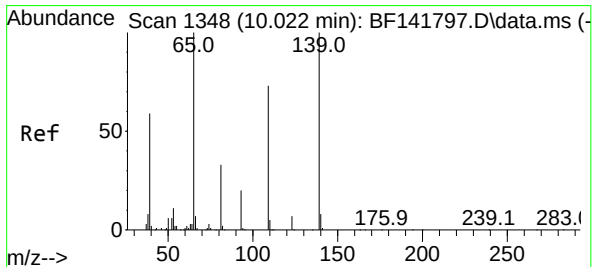
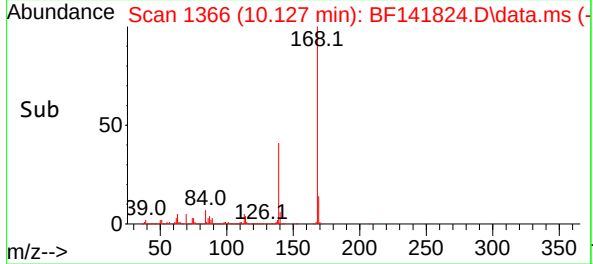
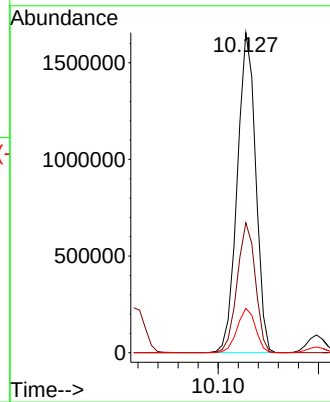
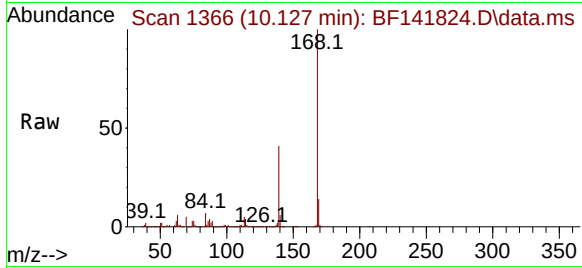




#55  
Dibenzofuran  
Concen: 39.582 ng  
RT: 10.127 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF141824.D  
Acq: 04 Mar 2025 13:46

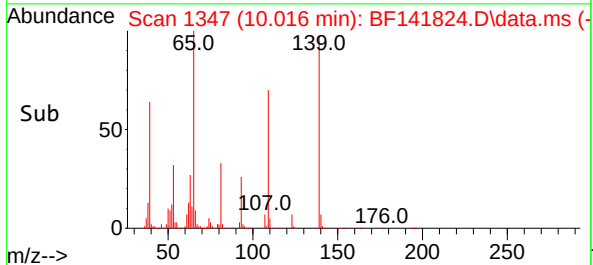
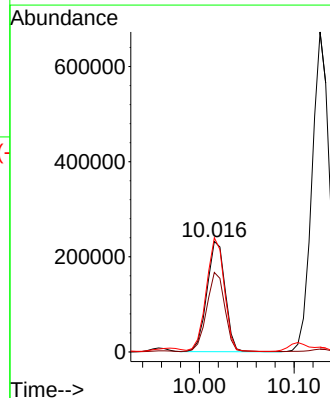
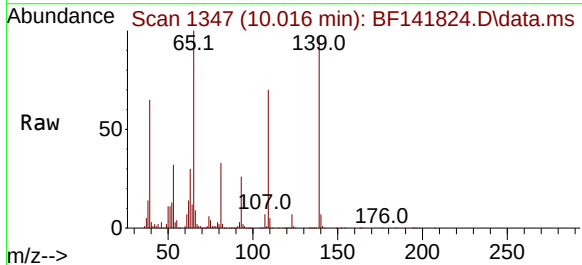
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

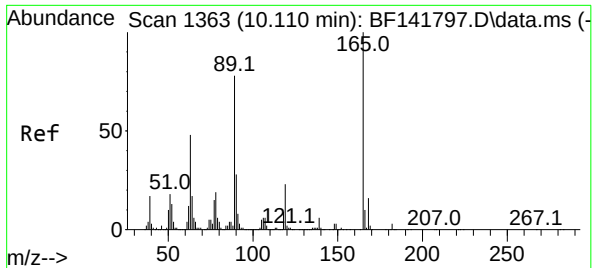
Tgt Ion:168 Resp: 2112940  
Ion Ratio Lower Upper  
168 100  
139 40.6 32.9 49.3  
169 13.9 11.1 16.7



#56  
4-Nitrophenol  
Concen: 48.445 ng  
RT: 10.016 min Scan# 1347  
Delta R.T. -0.006 min  
Lab File: BF141824.D  
Acq: 04 Mar 2025 13:46

Tgt Ion:139 Resp: 309208  
Ion Ratio Lower Upper  
139 100  
109 71.9 53.4 93.4  
65 103.4 82.1 122.1

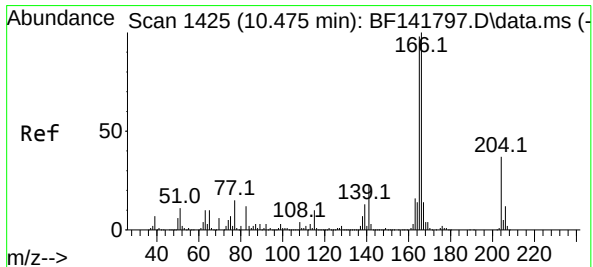
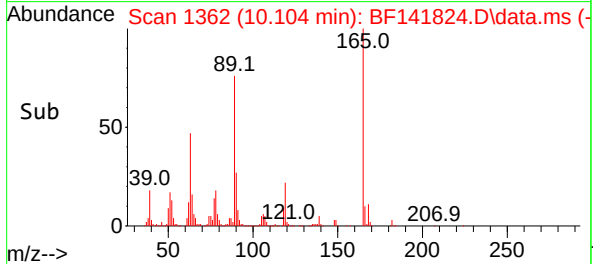
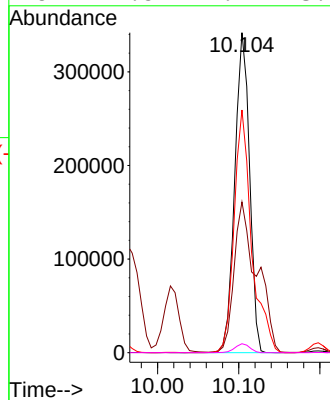
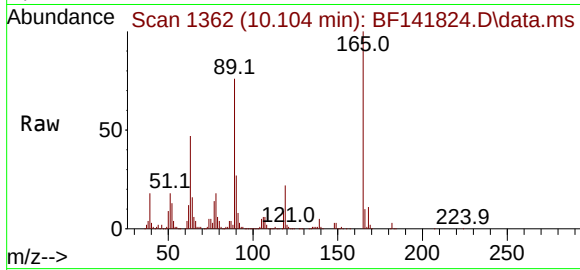




#57  
2,4-Dinitrotoluene  
Concen: 43.117 ng  
RT: 10.104 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF141824.D  
Acq: 04 Mar 2025 13:46

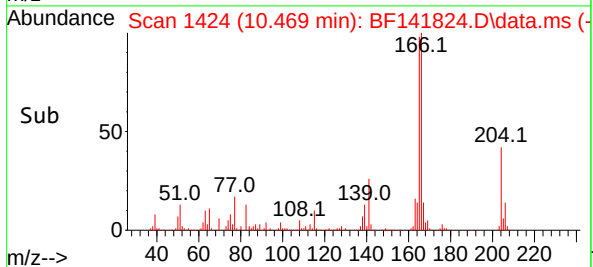
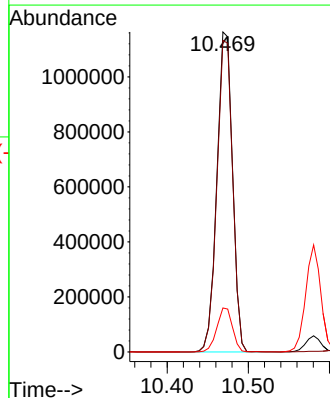
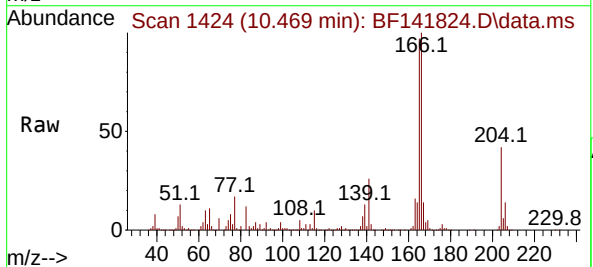
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

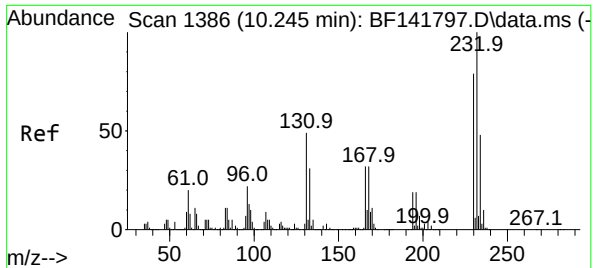
Tgt Ion:165 Resp: 431480  
Ion Ratio Lower Upper  
165 100  
63 47.1 38.8 58.2  
89 75.8 62.6 94.0  
182 2.8 2.2 3.2



#58  
Fluorene  
Concen: 39.071 ng  
RT: 10.469 min Scan# 1424  
Delta R.T. -0.006 min  
Lab File: BF141824.D  
Acq: 04 Mar 2025 13:46

Tgt Ion:166 Resp: 1562291  
Ion Ratio Lower Upper  
166 100  
165 97.4 78.6 117.8  
167 13.8 11.0 16.4

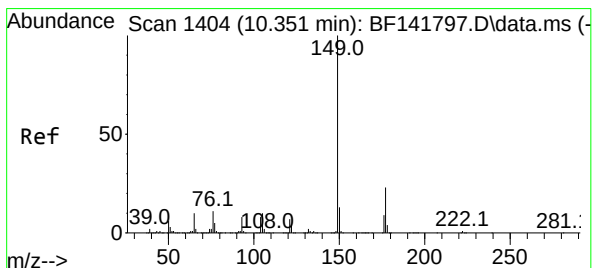
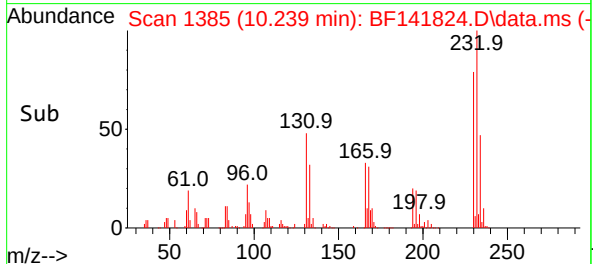
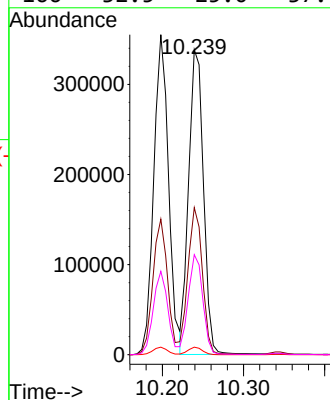
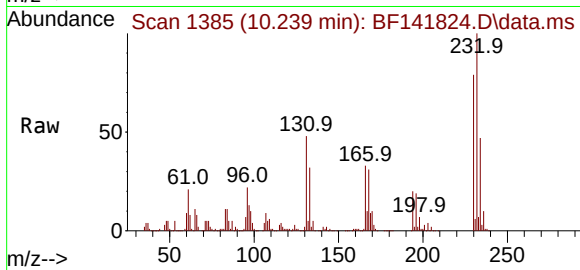




#59  
2,3,4,6-Tetrachlorophenol  
Concen: 41.539 ng  
RT: 10.239 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF141824.D  
Acq: 04 Mar 2025 13:46

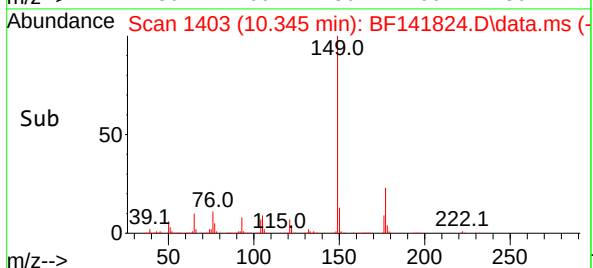
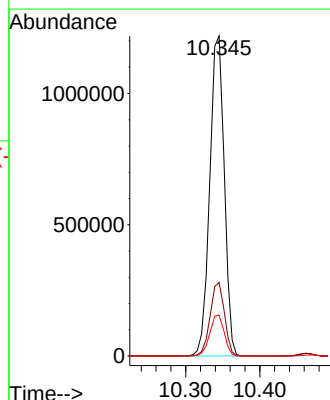
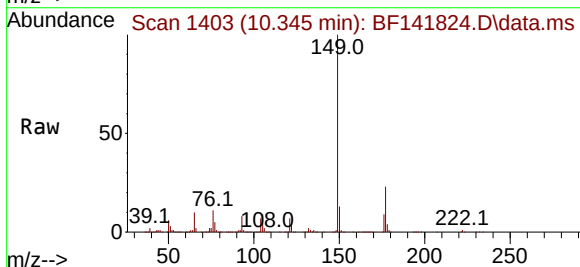
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

Tgt Ion:232 Resp: 430683  
Ion Ratio Lower Upper  
232 100  
131 48.1 37.8 56.8  
130 2.4 2.0 3.0  
166 32.5 25.0 37.4

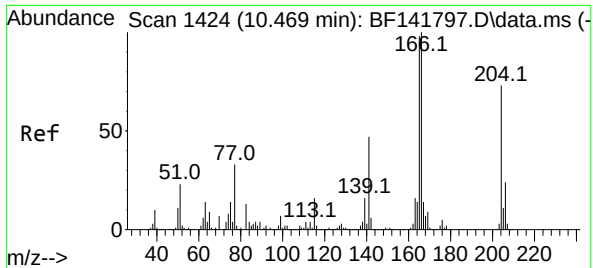


#60  
Diethylphthalate  
Concen: 38.319 ng  
RT: 10.345 min Scan# 1403  
Delta R.T. -0.006 min  
Lab File: BF141824.D  
Acq: 04 Mar 2025 13:46

Tgt Ion:149 Resp: 1660083  
Ion Ratio Lower Upper  
149 100  
177 23.0 18.3 27.5  
150 12.8 10.3 15.5



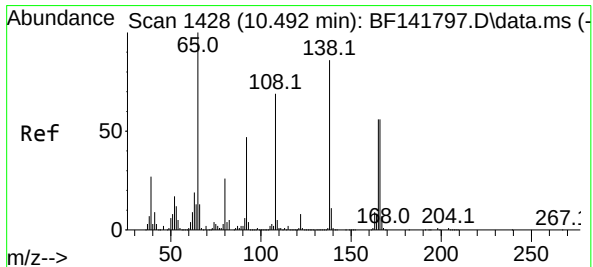
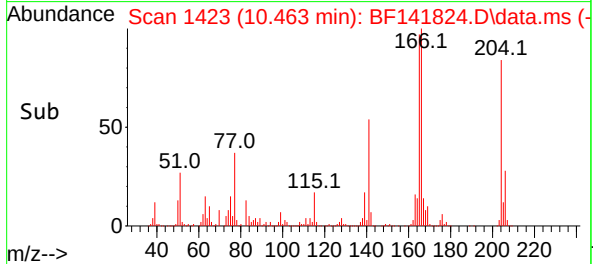
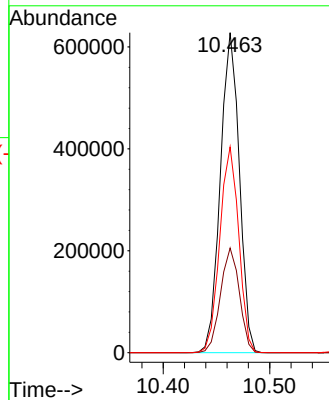
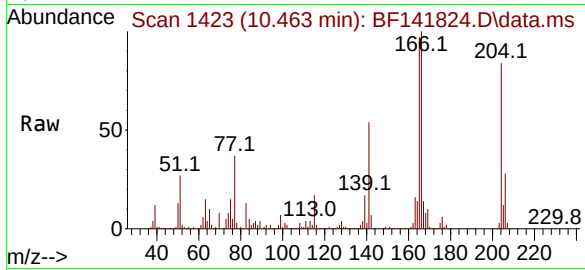




#61  
4-Chlorophenyl-phenylether  
Concen: 38.715 ng  
RT: 10.463 min Scan# 1423  
Delta R.T. -0.006 min  
Lab File: BF141824.D  
Acq: 04 Mar 2025 13:46

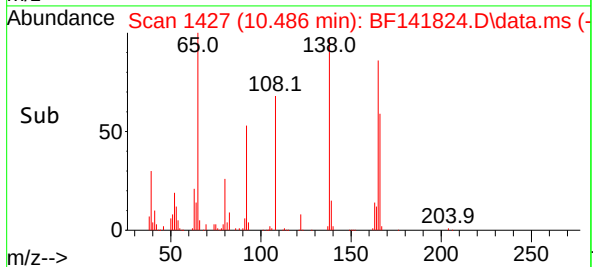
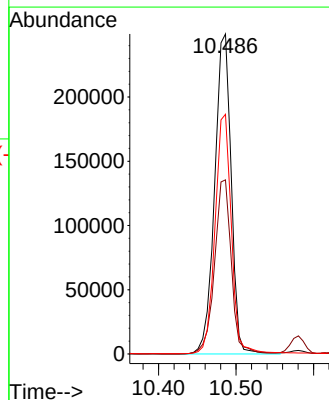
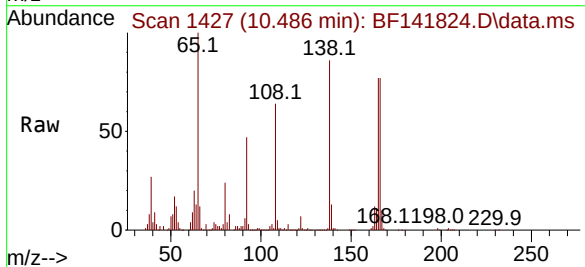
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

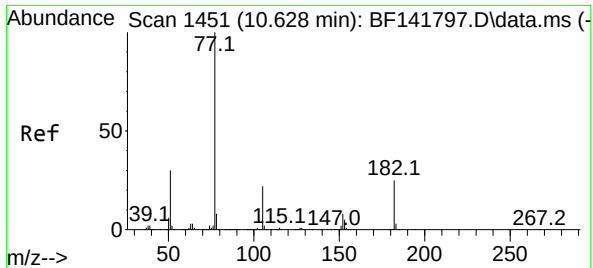
Tgt Ion:204 Resp: 775630  
Ion Ratio Lower Upper  
204 100  
206 32.7 26.2 39.4  
141 64.3 51.7 77.5



#62  
4-Nitroaniline  
Concen: 50.016 ng  
RT: 10.486 min Scan# 1427  
Delta R.T. -0.006 min  
Lab File: BF141824.D  
Acq: 04 Mar 2025 13:46

Tgt Ion:138 Resp: 369121  
Ion Ratio Lower Upper  
138 100  
92 54.4 34.9 74.9  
108 74.9 59.6 99.6

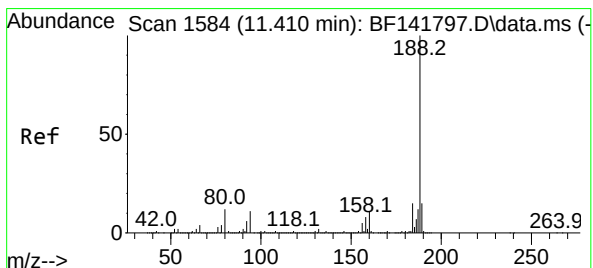
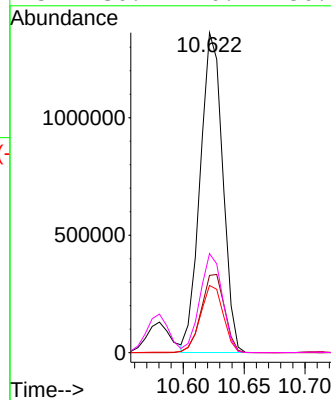
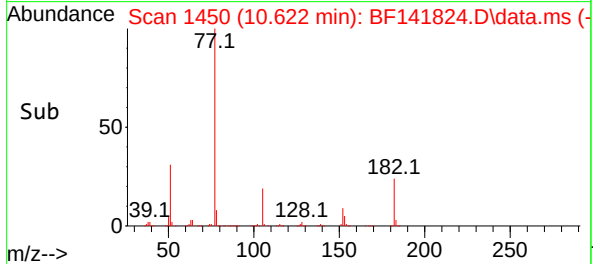
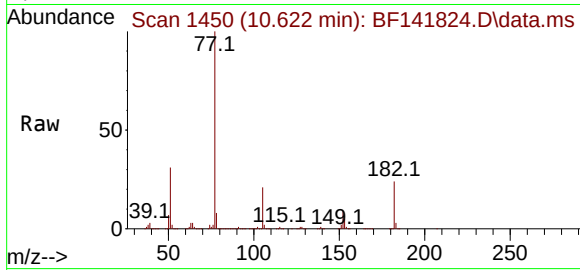




#63  
Azobenzene  
Concen: 38.435 ng  
RT: 10.622 min Scan# 1451  
Delta R.T. -0.006 min  
Lab File: BF141824.D  
Acq: 04 Mar 2025 13:46

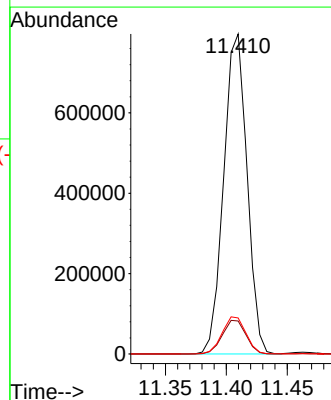
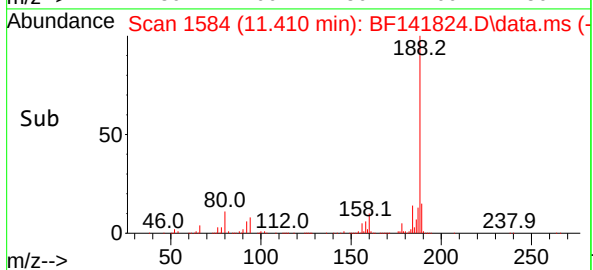
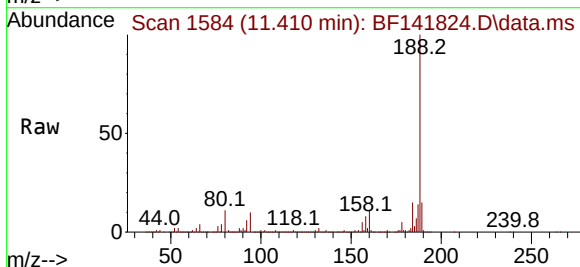
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

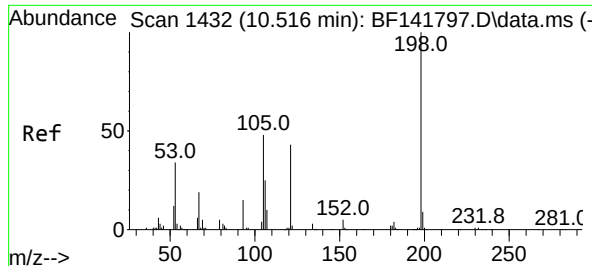
Tgt Ion: 77 Resp: 1753203  
Ion Ratio Lower Upper  
77 100  
182 24.1 4.2 44.2  
105 21.0 1.5 41.5  
51 30.9 10.4 50.4



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.410 min Scan# 1584  
Delta R.T. -0.000 min  
Lab File: BF141824.D  
Acq: 04 Mar 2025 13:46

Tgt Ion: 188 Resp: 1061915  
Ion Ratio Lower Upper  
188 100  
94 10.3 8.9 13.3  
80 11.2 9.7 14.5

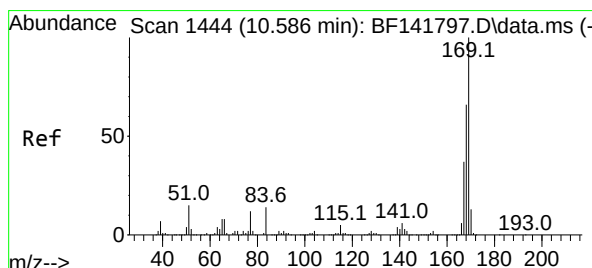
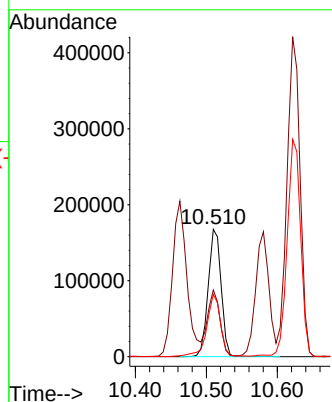
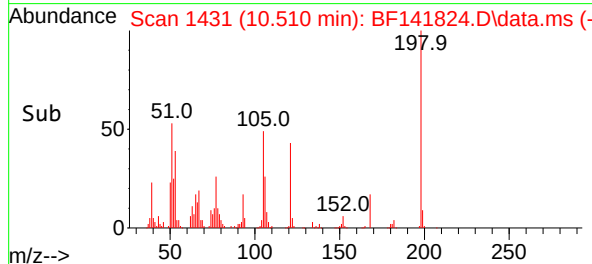
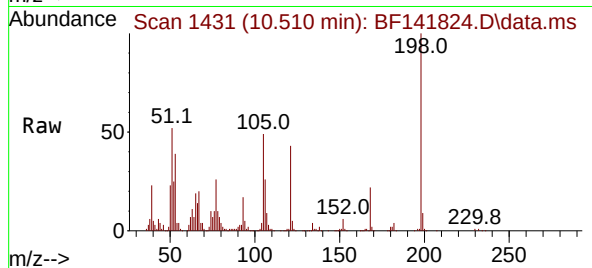




#65  
4,6-Dinitro-2-methylphenol  
Concen: 43.478 ng  
RT: 10.510 min Scan# 1432  
Delta R.T. -0.006 min  
Lab File: BF141824.D  
Acq: 04 Mar 2025 13:46

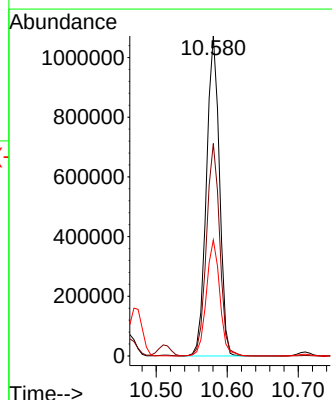
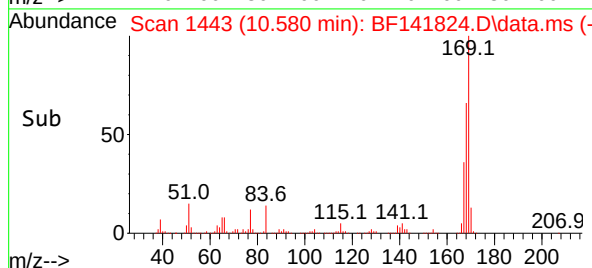
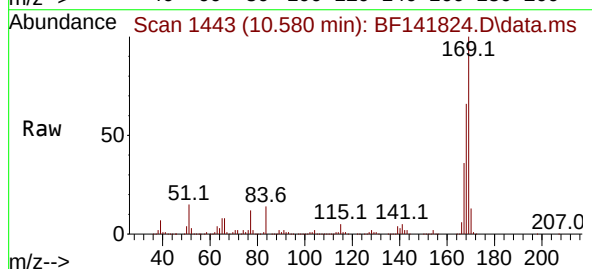
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

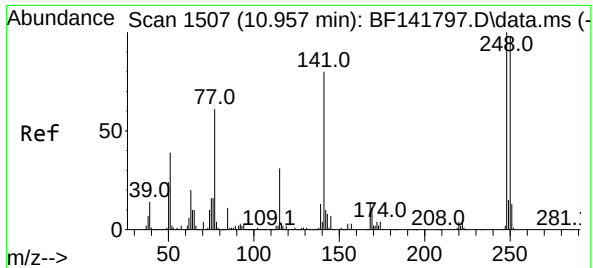
Tgt Ion:198 Resp: 212809  
Ion Ratio Lower Upper  
198 100  
51 52.4 32.1 72.1  
105 48.9 28.5 68.5



#66  
n-Nitrosodiphenylamine  
Concen: 39.235 ng  
RT: 10.580 min Scan# 1443  
Delta R.T. -0.006 min  
Lab File: BF141824.D  
Acq: 04 Mar 2025 13:46

Tgt Ion:169 Resp: 1368091  
Ion Ratio Lower Upper  
169 100  
168 66.4 53.0 79.6  
167 36.3 29.3 43.9

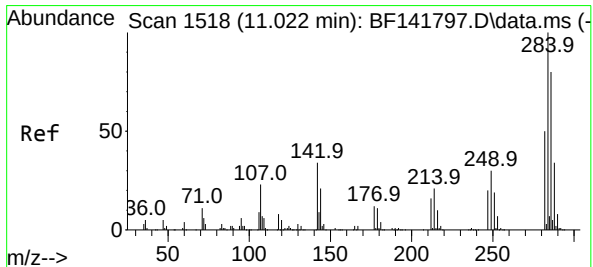
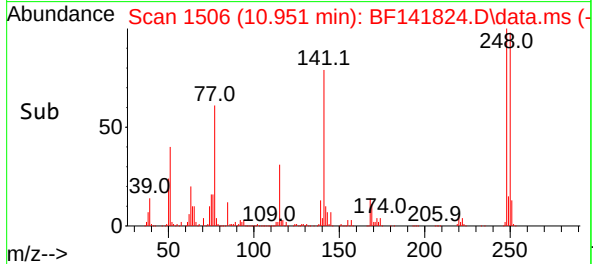
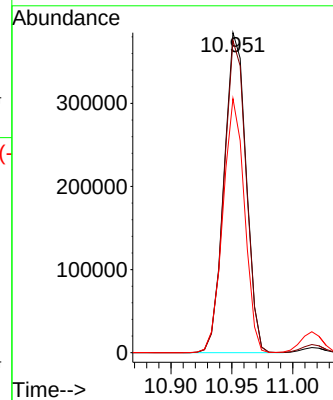
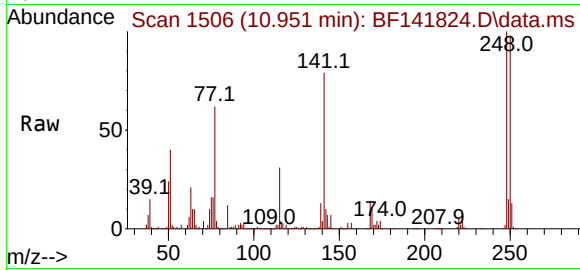




#67  
4-Bromophenyl-phenylether  
Concen: 39.236 ng  
RT: 10.951 min Scan# 1506  
Delta R.T. -0.006 min  
Lab File: BF141824.D  
Acq: 04 Mar 2025 13:46

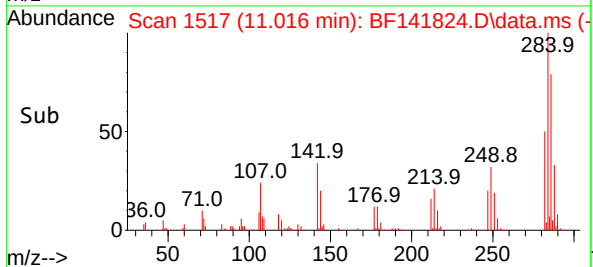
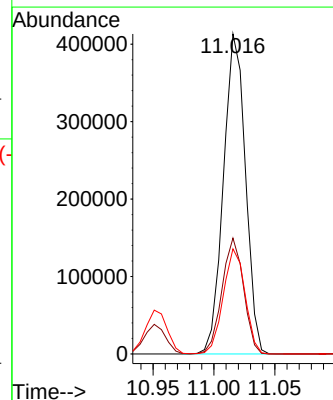
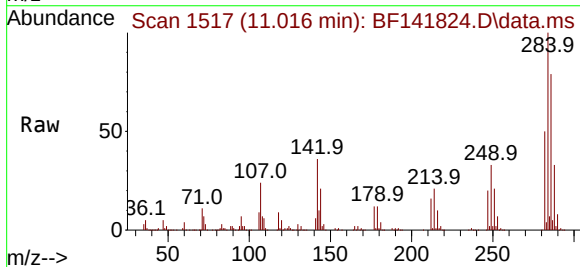
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

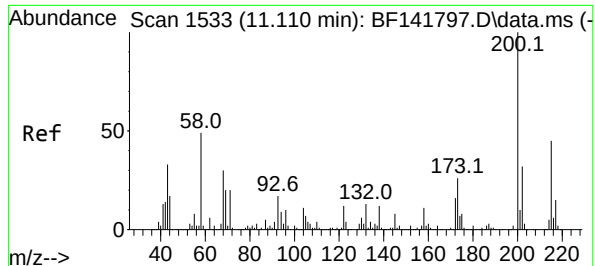
Tgt Ion:248 Resp: 486664  
Ion Ratio Lower Upper  
248 100  
250 97.6 78.1 117.1  
141 79.4 64.3 96.5



#68  
Hexachlorobenzene  
Concen: 39.682 ng  
RT: 11.016 min Scan# 1517  
Delta R.T. -0.006 min  
Lab File: BF141824.D  
Acq: 04 Mar 2025 13:46

Tgt Ion:284 Resp: 519753  
Ion Ratio Lower Upper  
284 100  
142 36.2 28.2 42.2  
249 32.9 25.5 38.3





#69

Atrazine

Concen: 35.582 ng

RT: 11.104 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141824.D

Acq: 04 Mar 2025 13:46

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

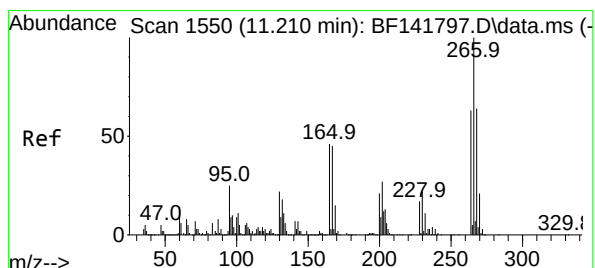
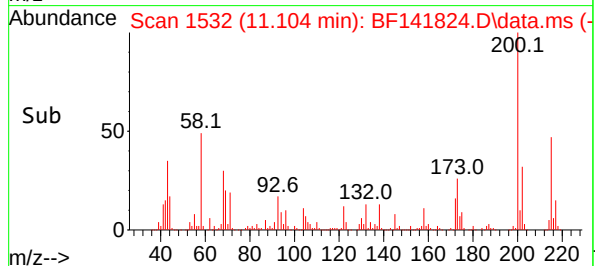
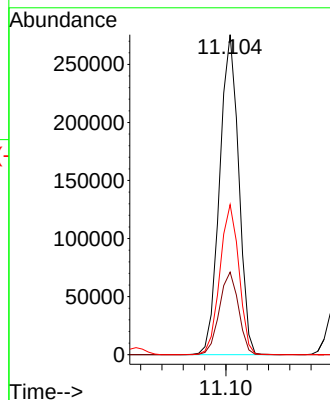
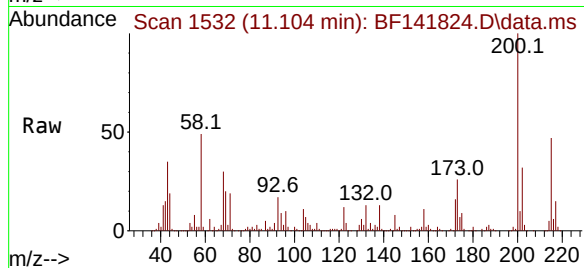
Tgt Ion:200 Resp: 341198

Ion Ratio Lower Upper

200 100

173 25.8 5.6 45.6

215 46.9 25.3 65.3



#70

Pentachlorophenol

Concen: 43.155 ng

RT: 11.210 min Scan# 1550

Delta R.T. -0.000 min

Lab File: BF141824.D

Acq: 04 Mar 2025 13:46

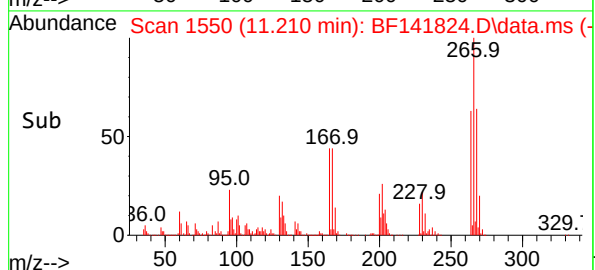
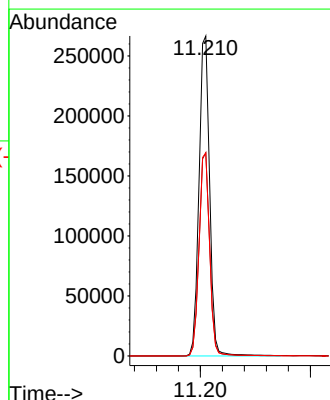
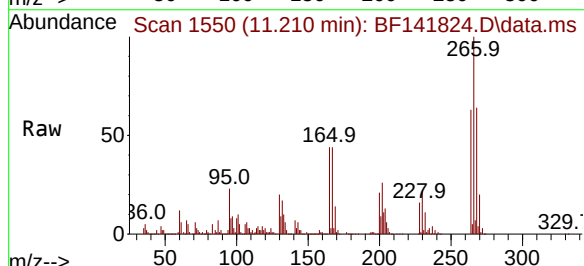
Tgt Ion:266 Resp: 358495

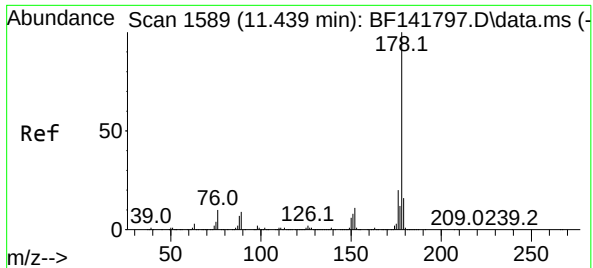
Ion Ratio Lower Upper

266 100

268 63.5 50.9 76.3

264 63.5 50.2 75.4

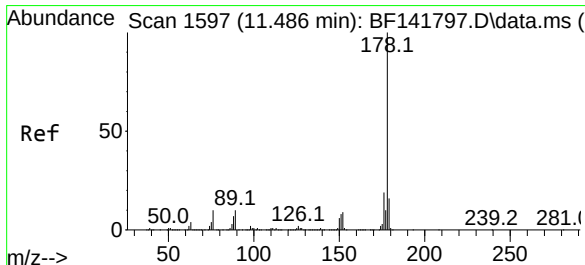
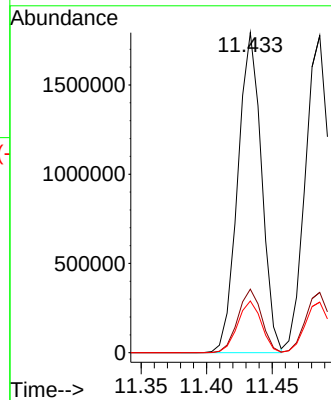
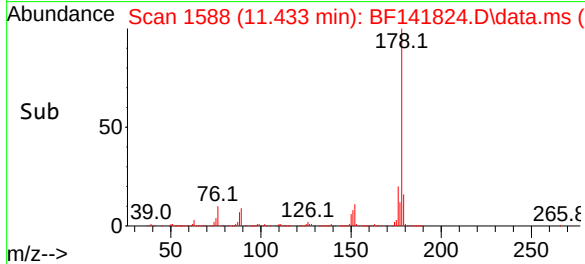
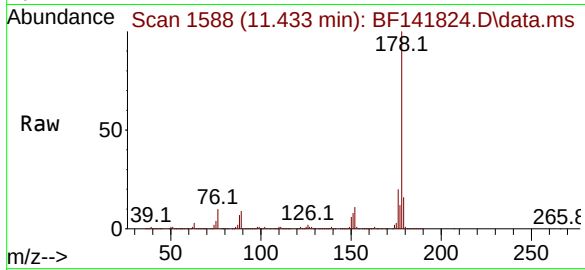




#71  
Phenanthrene  
Concen: 39.801 ng  
RT: 11.433 min Scan# 1589  
Delta R.T. -0.006 min  
Lab File: BF141824.D  
Acq: 04 Mar 2025 13:46

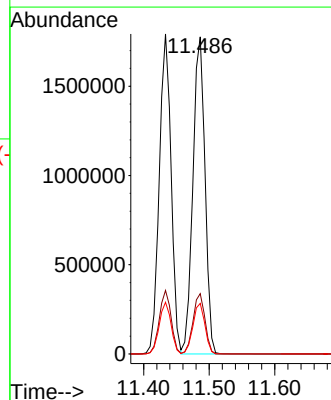
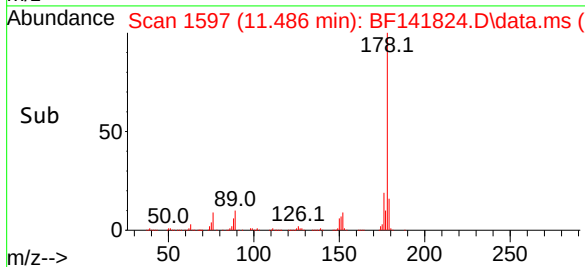
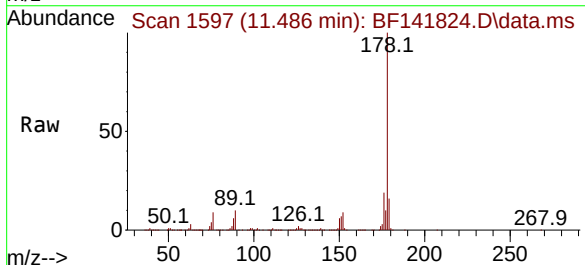
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

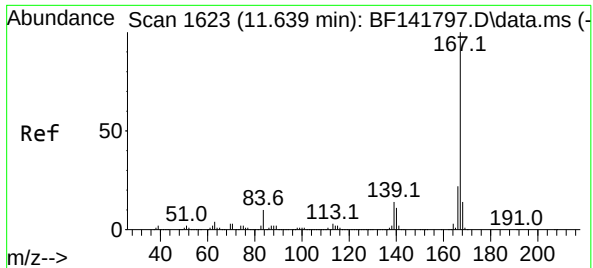
Tgt Ion:178 Resp: 2260798  
Ion Ratio Lower Upper  
178 100  
176 19.9 16.0 24.0  
179 16.2 12.6 19.0



#72  
Anthracene  
Concen: 39.965 ng  
RT: 11.486 min Scan# 1597  
Delta R.T. -0.000 min  
Lab File: BF141824.D  
Acq: 04 Mar 2025 13:46

Tgt Ion:178 Resp: 2275135  
Ion Ratio Lower Upper  
178 100  
176 19.0 15.4 23.0  
179 15.9 12.8 19.2

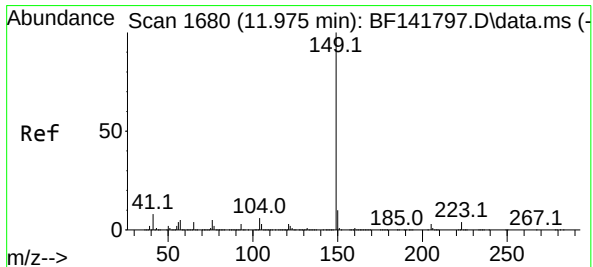
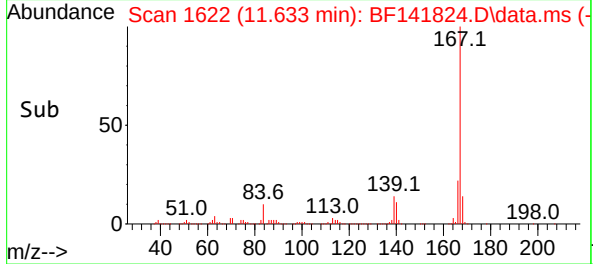
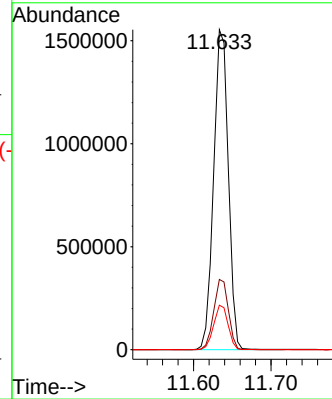
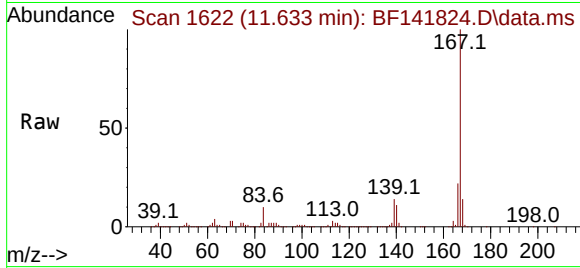




#73  
Carbazole  
Concen: 40.670 ng  
RT: 11.633 min Scan# 1622  
Delta R.T. -0.006 min  
Lab File: BF141824.D  
Acq: 04 Mar 2025 13:46

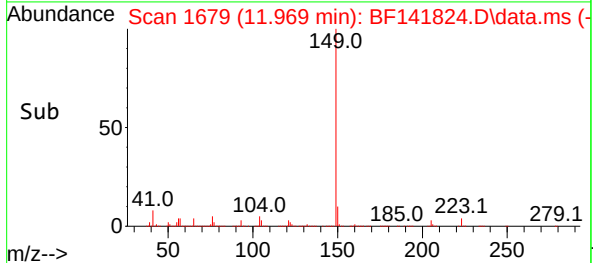
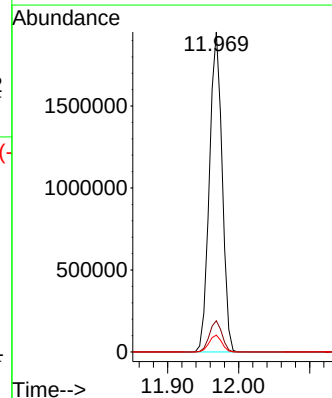
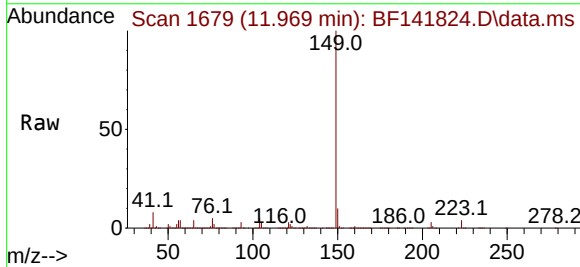
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

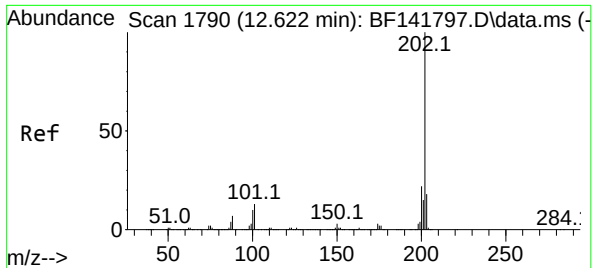
Tgt Ion:167 Resp: 2044567  
Ion Ratio Lower Upper  
167 100  
166 21.9 17.5 26.3  
139 13.9 11.3 16.9



#74  
Di-n-butylphthalate  
Concen: 38.095 ng  
RT: 11.969 min Scan# 1679  
Delta R.T. -0.006 min  
Lab File: BF141824.D  
Acq: 04 Mar 2025 13:46

Tgt Ion:149 Resp: 2427528  
Ion Ratio Lower Upper  
149 100  
150 9.7 7.7 11.5  
104 5.3 4.4 6.6





#75

Fluoranthene

Concen: 40.955 ng

RT: 12.621 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF141824.D

Acq: 04 Mar 2025 13:46

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

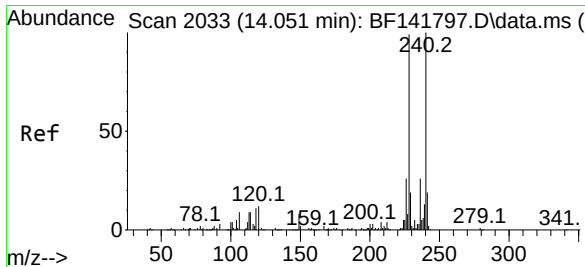
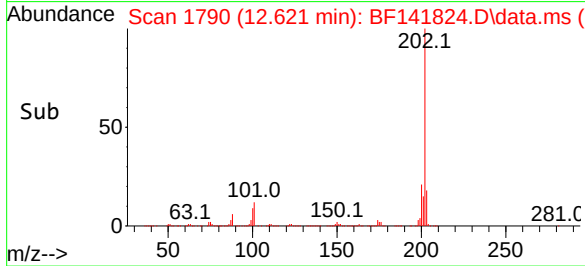
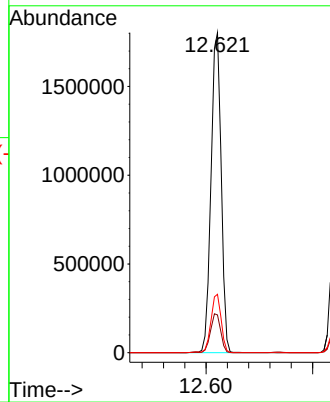
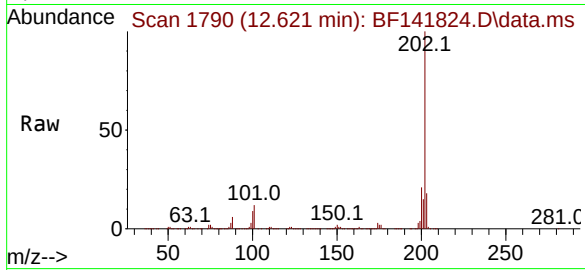
Tgt Ion:202 Resp: 2383691

Ion Ratio Lower Upper

202 100

101 11.8 0.0 32.8

203 18.3 0.0 38.0



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.045 min Scan# 2032

Delta R.T. -0.006 min

Lab File: BF141824.D

Acq: 04 Mar 2025 13:46

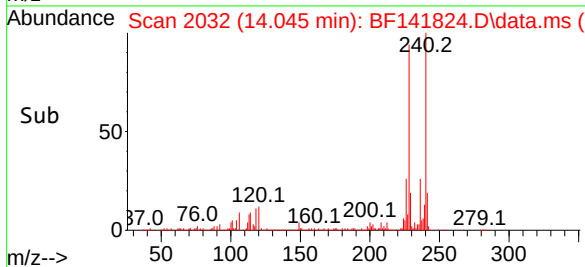
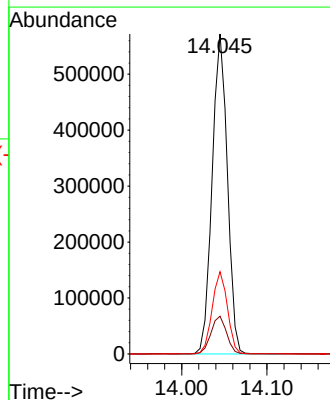
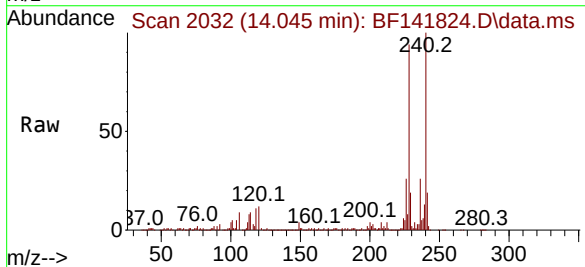
Tgt Ion:240 Resp: 709212

Ion Ratio Lower Upper

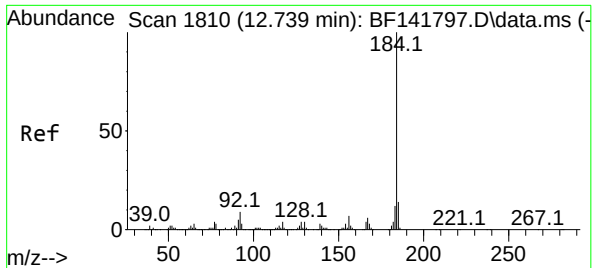
240 100

120 11.8 9.7 14.5

236 25.7 21.0 31.4



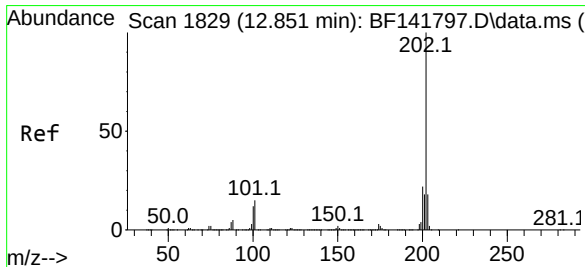
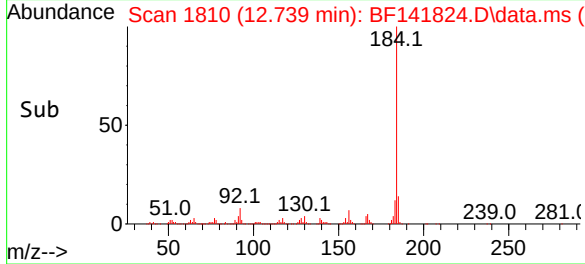
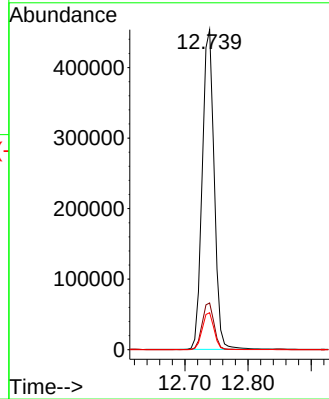
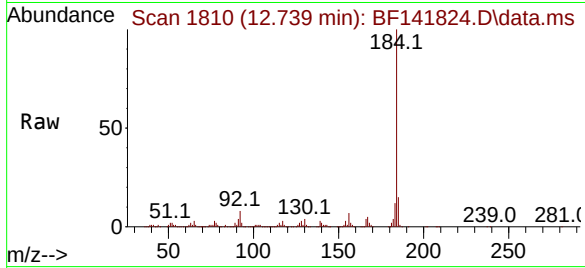




#77  
Benzidine  
Concen: 66.715 ng  
RT: 12.739 min Scan# 1810  
Delta R.T. 0.000 min  
Lab File: BF141824.D  
Acq: 04 Mar 2025 13:46

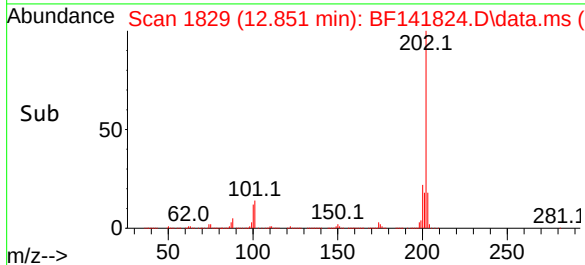
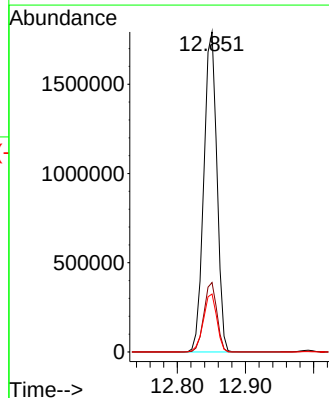
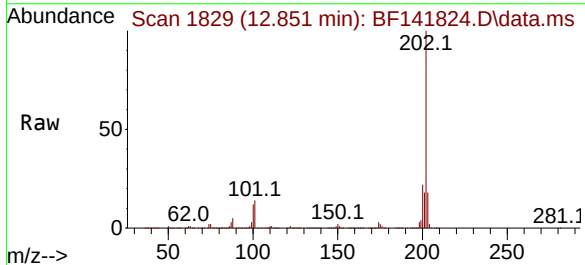
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

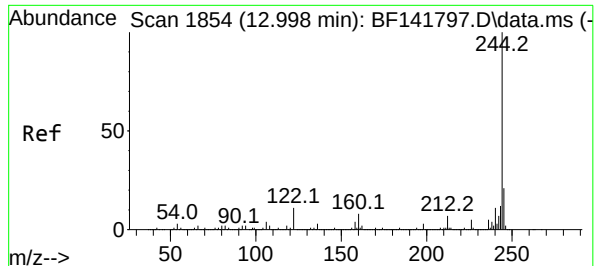
Tgt Ion:184 Resp: 595524  
Ion Ratio Lower Upper  
184 100  
185 14.6 11.6 17.4  
183 11.6 9.4 14.0



#78  
Pyrene  
Concen: 38.889 ng  
RT: 12.851 min Scan# 1829  
Delta R.T. -0.000 min  
Lab File: BF141824.D  
Acq: 04 Mar 2025 13:46

Tgt Ion:202 Resp: 2388331  
Ion Ratio Lower Upper  
202 100  
200 21.7 17.4 26.0  
203 18.1 14.6 22.0





#79

Terphenyl-d14

Concen: 74.701 ng

RT: 12.992 min Scan# 1853

Delta R.T. -0.006 min

Lab File: BF141824.D

Acq: 04 Mar 2025 13:46

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

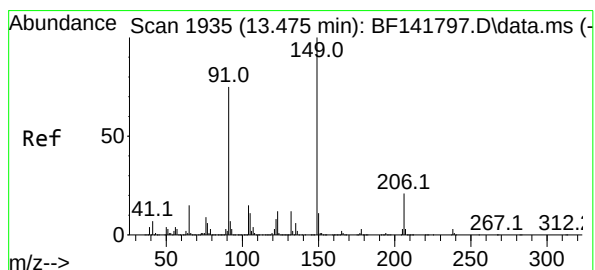
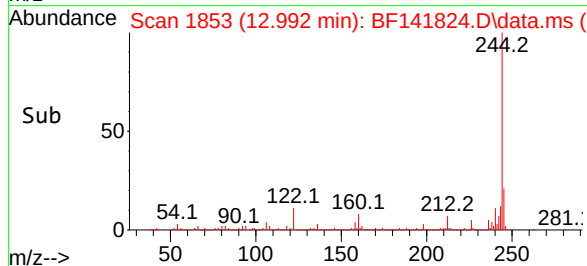
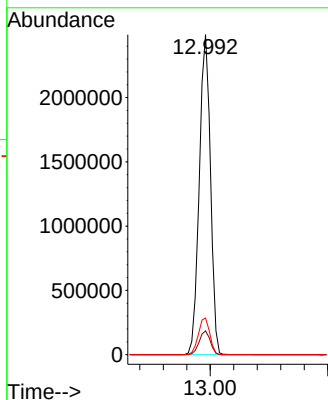
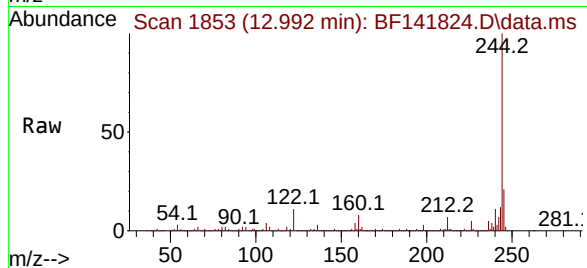
Tgt Ion:244 Resp: 3274522

Ion Ratio Lower Upper

244 100

212 7.5 6.0 9.0

122 11.4 9.0 13.6



#80

Butylbenzylphthalate

Concen: 40.696 ng

RT: 13.463 min Scan# 1933

Delta R.T. -0.012 min

Lab File: BF141824.D

Acq: 04 Mar 2025 13:46

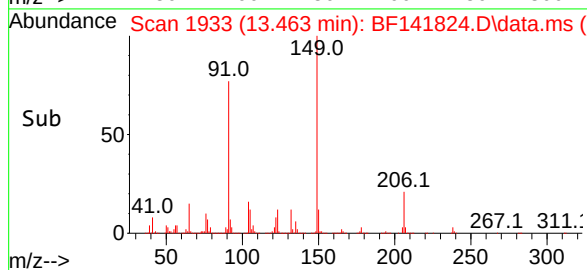
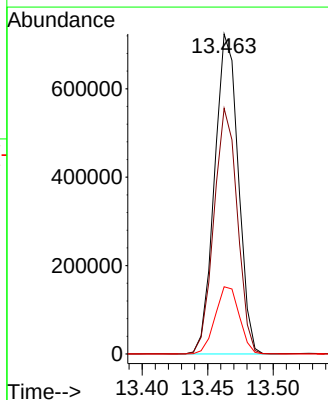
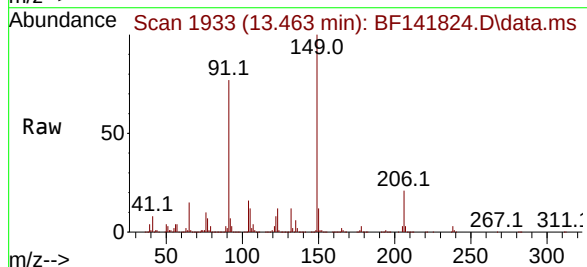
Tgt Ion:149 Resp: 908038

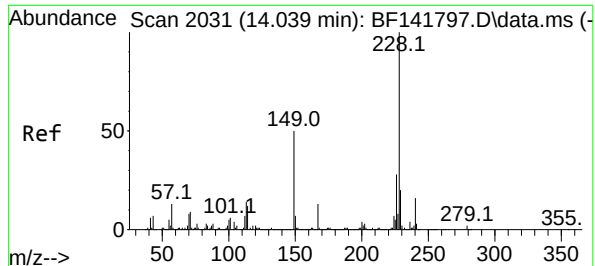
Ion Ratio Lower Upper

149 100

91 76.7 60.1 90.1

206 21.0 16.8 25.2





#81

Benzo(a)anthracene

Concen: 38.631 ng

RT: 14.033 min Scan# 2031

Delta R.T. -0.006 min

Lab File: BF141824.D

Acq: 04 Mar 2025 13:46

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

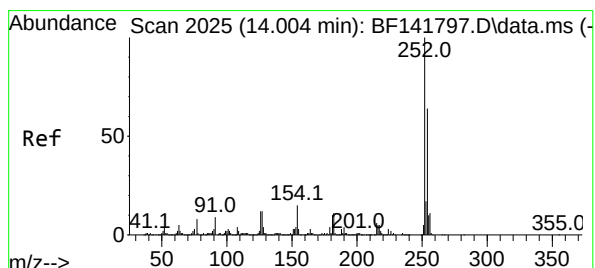
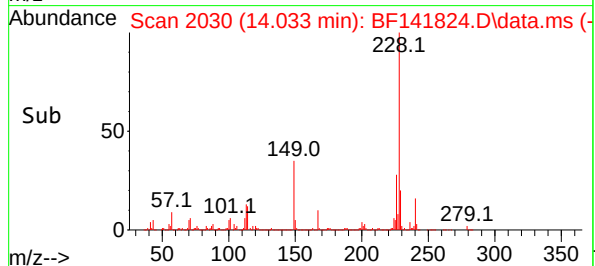
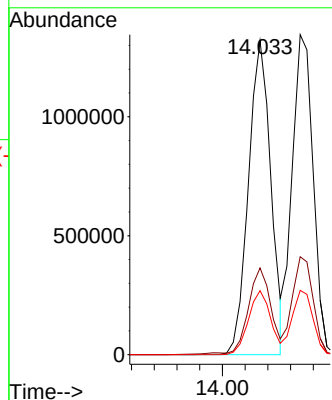
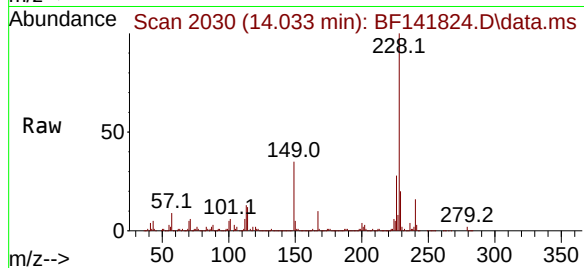
Tgt Ion:228 Resp: 1809644

Ion Ratio Lower Upper

228 100

226 27.6 22.1 33.1

229 20.4 16.1 24.1



#82

3,3'-Dichlorobenzidine

Concen: 40.983 ng

RT: 13.992 min Scan# 2023

Delta R.T. -0.012 min

Lab File: BF141824.D

Acq: 04 Mar 2025 13:46

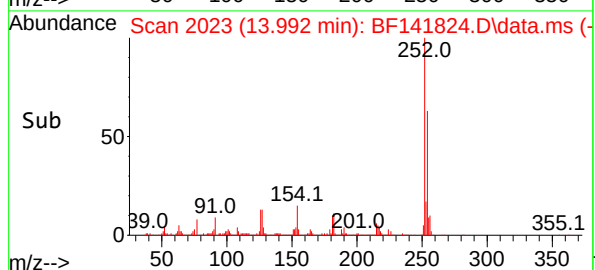
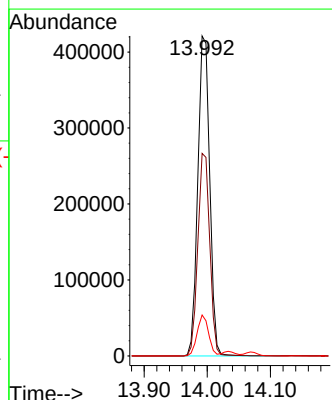
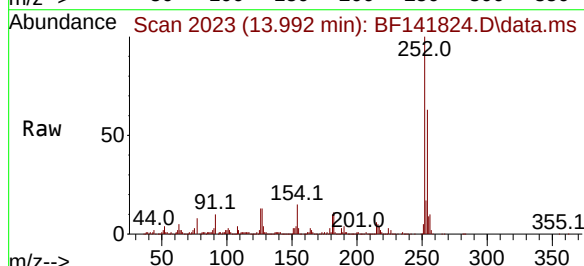
Tgt Ion:252 Resp: 550809

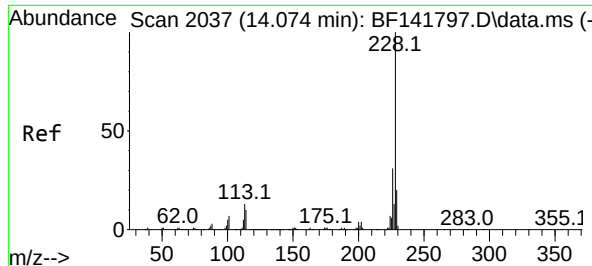
Ion Ratio Lower Upper

252 100

254 63.3 51.4 77.0

126 12.8 9.8 14.6





#83

Chrysene

Concen: 39.954 ng

RT: 14.068 min Scan# 2036

Delta R.T. -0.006 min

Lab File: BF141824.D

Acq: 04 Mar 2025 13:46

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

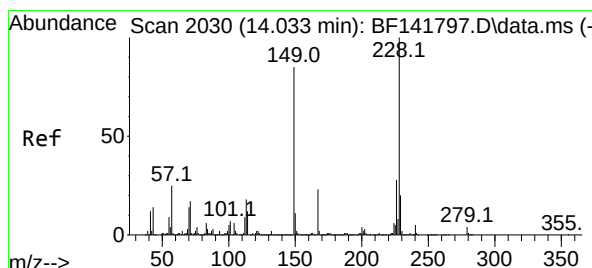
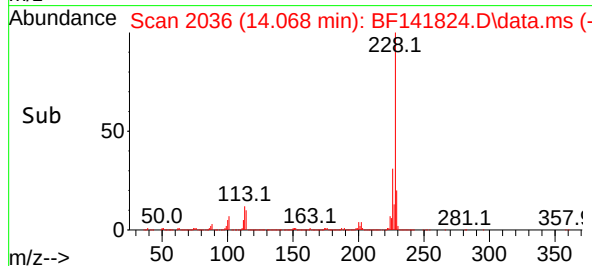
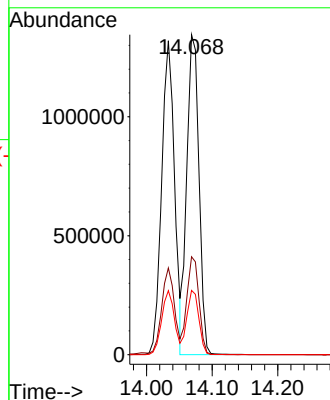
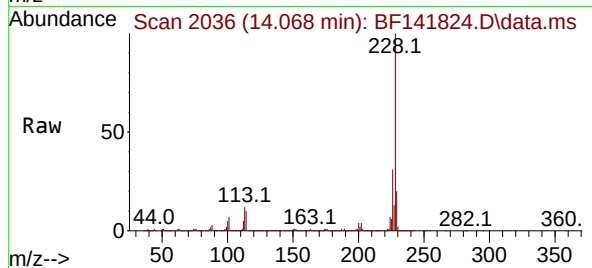
Tgt Ion:228 Resp: 1725306

Ion Ratio Lower Upper

228 100

226 30.6 24.6 37.0

229 20.1 16.1 24.1



#84

Bis(2-ethylhexyl)phthalate

Concen: 42.235 ng

RT: 14.021 min Scan# 2028

Delta R.T. -0.012 min

Lab File: BF141824.D

Acq: 04 Mar 2025 13:46

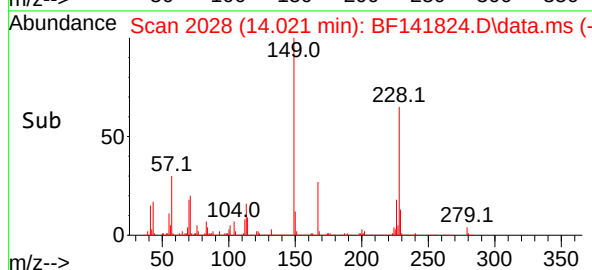
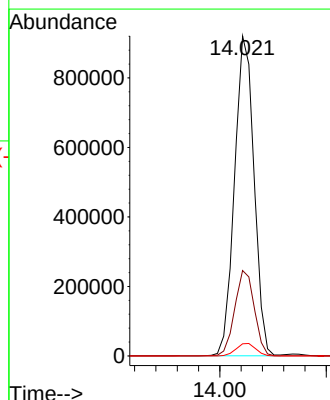
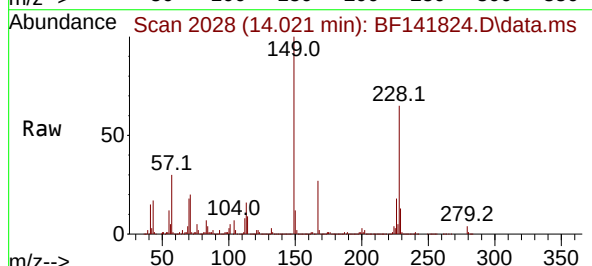
Tgt Ion:149 Resp: 1173412

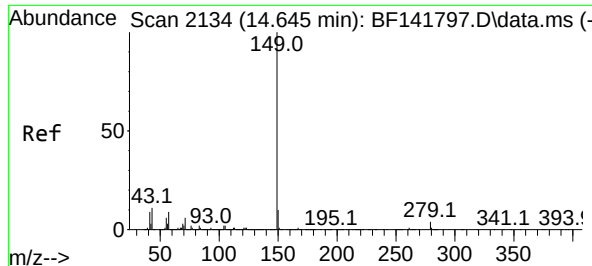
Ion Ratio Lower Upper

149 100

167 26.7 21.2 31.8

279 3.8 3.3 4.9





#85

Di-n-octyl phthalate

Concen: 39.224 ng

RT: 14.633 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF141824.D

Acq: 04 Mar 2025 13:46

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

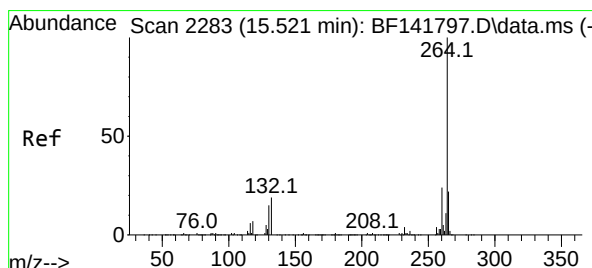
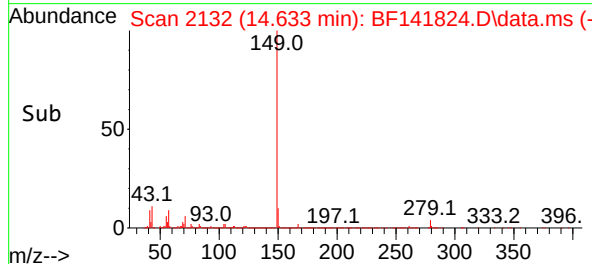
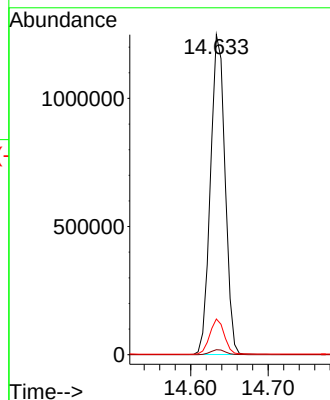
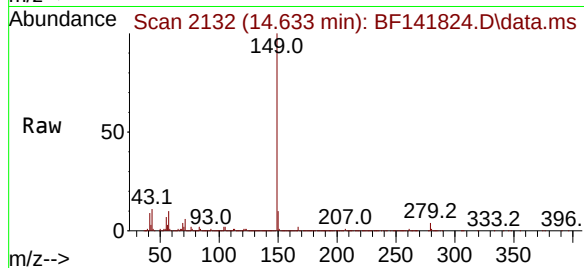
Tgt Ion:149 Resp: 1631496

Ion Ratio Lower Upper

149 100

167 1.6 1.2 1.8

43 11.1 8.6 12.8



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.509 min Scan# 2281

Delta R.T. -0.012 min

Lab File: BF141824.D

Acq: 04 Mar 2025 13:46

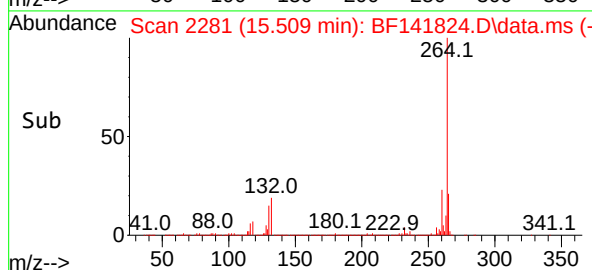
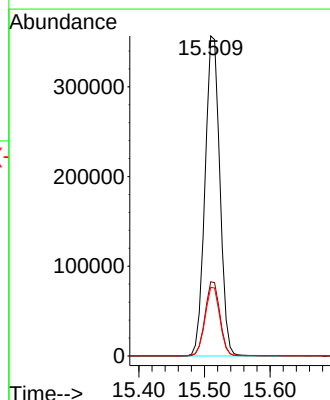
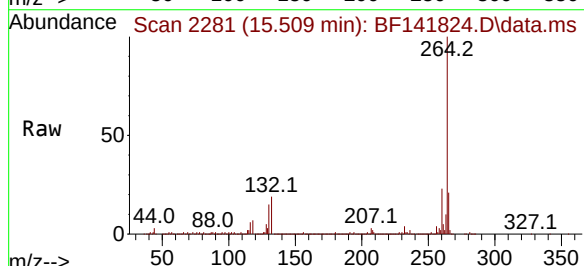
Tgt Ion:264 Resp: 560512

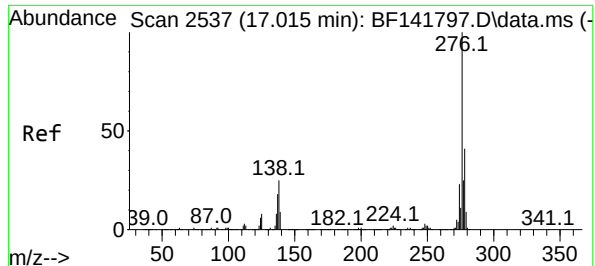
Ion Ratio Lower Upper

264 100

260 23.2 18.9 28.3

265 21.5 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 40.028 ng

RT: 17.003 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF141824.D

Acq: 04 Mar 2025 13:46

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

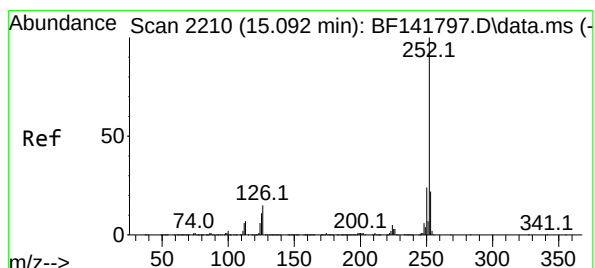
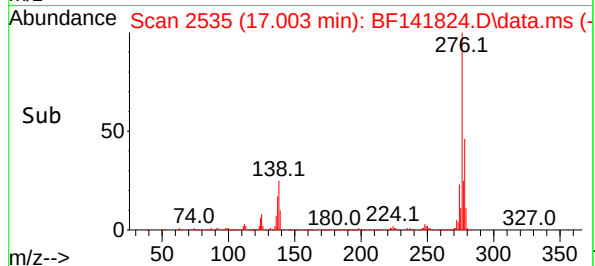
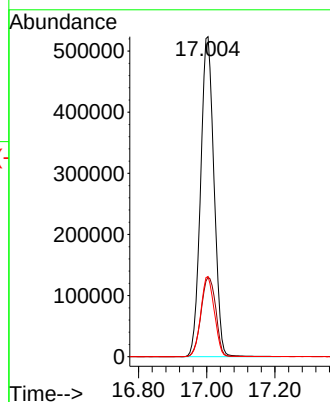
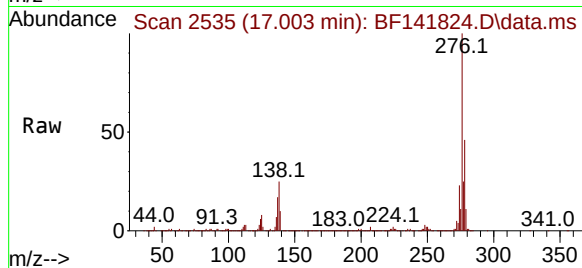
Tgt Ion:276 Resp: 1428648

Ion Ratio Lower Upper

276 100

138 27.2 22.5 33.7

277 25.4 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 40.217 ng

RT: 15.080 min Scan# 2208

Delta R.T. -0.012 min

Lab File: BF141824.D

Acq: 04 Mar 2025 13:46

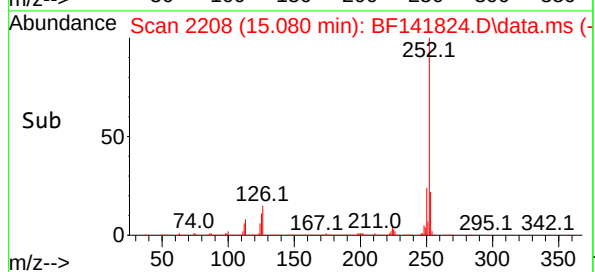
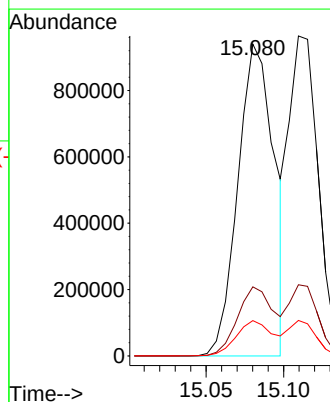
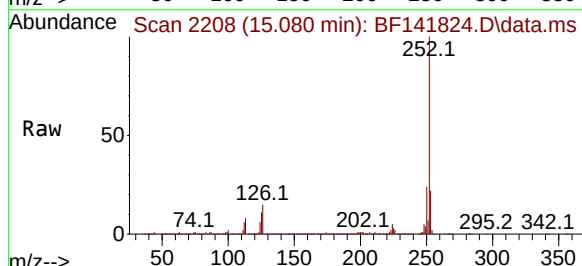
Tgt Ion:252 Resp: 1535514

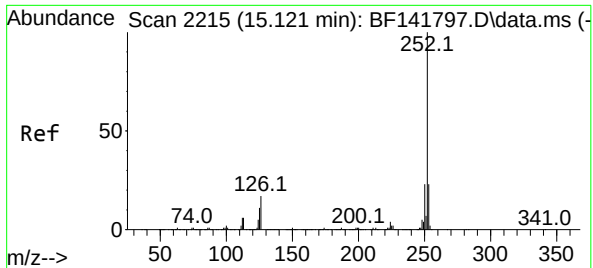
Ion Ratio Lower Upper

252 100

253 22.2 17.7 26.5

125 11.3 8.6 13.0





#89

Benzo(k)fluoranthene

Concen: 38.997 ng

RT: 15.110 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF141824.D

Acq: 04 Mar 2025 13:46

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

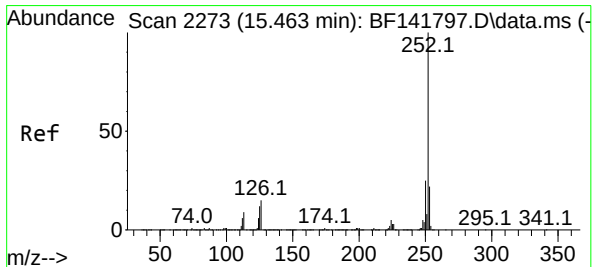
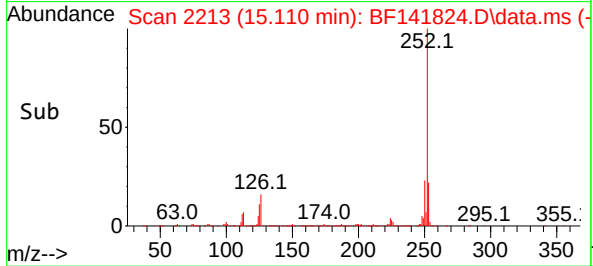
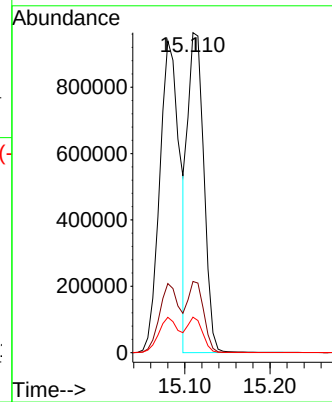
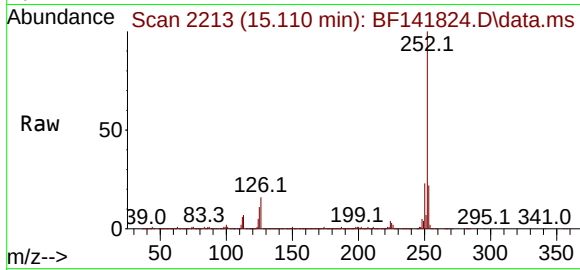
Tgt Ion:252 Resp: 1265526

Ion Ratio Lower Upper

252 100

253 22.2 17.8 26.8

125 11.1 8.8 13.2



#90

Benzo(a)pyrene

Concen: 39.718 ng

RT: 15.451 min Scan# 2271

Delta R.T. -0.012 min

Lab File: BF141824.D

Acq: 04 Mar 2025 13:46

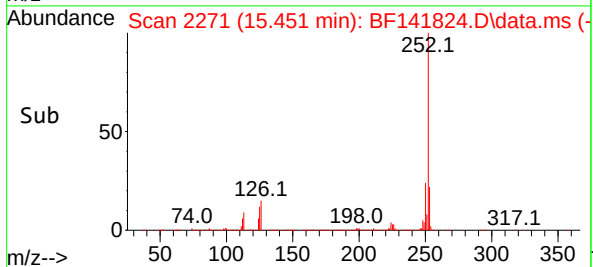
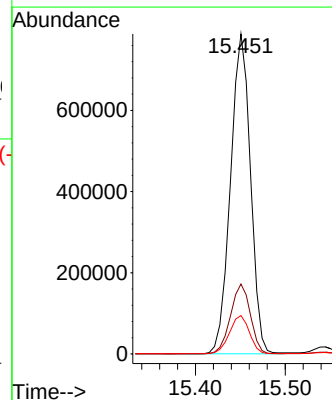
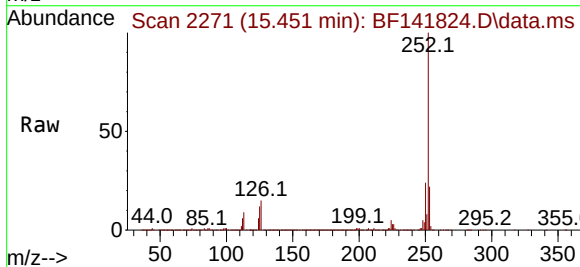
Tgt Ion:252 Resp: 1216179

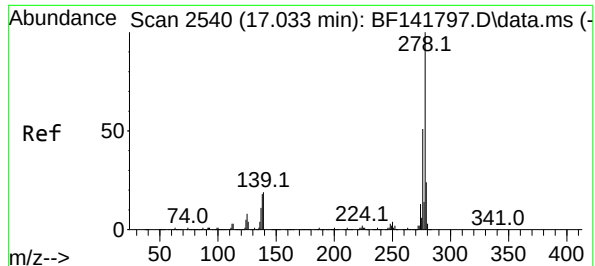
Ion Ratio Lower Upper

252 100

253 21.8 17.5 26.3

125 12.0 9.4 14.2

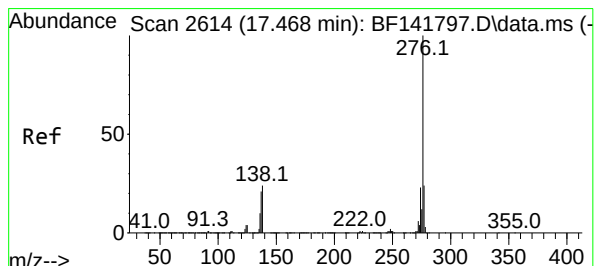
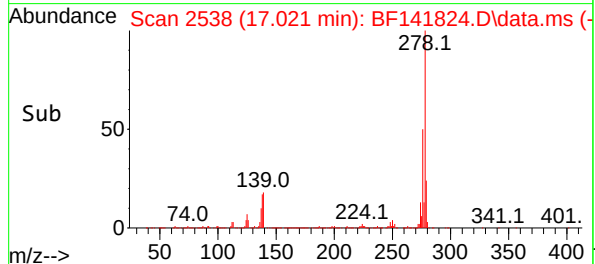
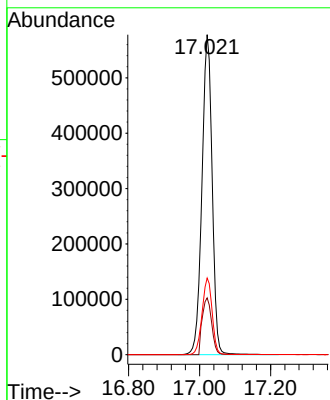
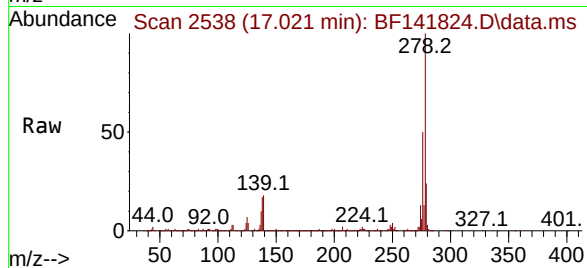




#91  
Dibenzo(a,h)anthracene  
Concen: 39.776 ng  
RT: 17.021 min Scan# 21  
Delta R.T. -0.012 min  
Lab File: BF141824.D  
Acq: 04 Mar 2025 13:46

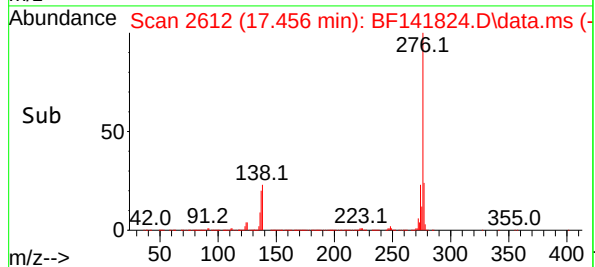
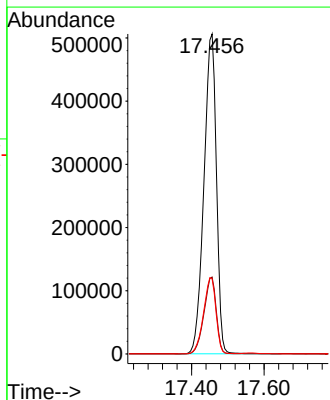
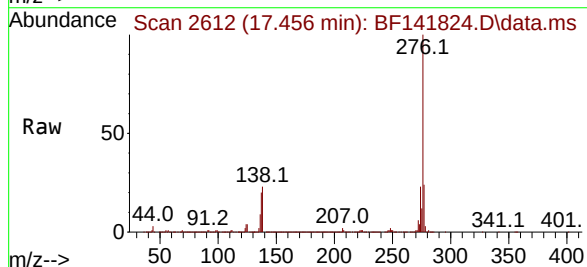
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

Tgt Ion:278 Resp: 1158823  
Ion Ratio Lower Upper  
278 100  
139 17.8 14.9 22.3  
279 23.9 19.3 28.9



#92  
Benzo(g,h,i)perylene  
Concen: 40.469 ng  
RT: 17.456 min Scan# 2612  
Delta R.T. -0.012 min  
Lab File: BF141824.D  
Acq: 04 Mar 2025 13:46

Tgt Ion:276 Resp: 1207865  
Ion Ratio Lower Upper  
276 100  
277 24.1 19.4 29.0  
138 23.4 19.3 28.9





Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF030425\  
 Data File : BF141824.D  
 Acq On : 04 Mar 2025 13:46  
 Operator : RC/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Mar 04 14:43:44 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF022725.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Feb 28 01:48:16 2025  
 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   | 111   | 0.00     |
| 2    | 1,4-Dioxane                 | 0.568 | 0.566 | 0.4   | 105   | 0.01     |
| 3    | Pyridine                    | 1.414 | 1.421 | -0.5  | 107   | 0.02     |
| 4    | n-Nitrosodimethylamine      | 0.680 | 0.700 | -2.9  | 106   | 0.01     |
| 5 S  | 2-Fluorophenol              | 1.252 | 1.221 | 2.5   | 105   | 0.00     |
| 6    | Aniline                     | 1.695 | 1.690 | 0.3   | 104   | 0.00     |
| 7 S  | Phenol-d6                   | 1.630 | 1.591 | 2.4   | 105   | 0.00     |
| 8    | 2-Chlorophenol              | 1.355 | 1.314 | 3.0   | 103   | 0.00     |
| 9    | Benzaldehyde                | 0.948 | 0.831 | 12.3  | 94    | 0.00     |
| 10 C | Phenol                      | 1.742 | 1.710 | 1.8   | 104   | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.328 | 1.285 | 3.2   | 106   | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.451 | 1.440 | 0.8   | 106   | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.462 | 1.434 | 1.9   | 105   | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.365 | 1.338 | 2.0   | 106   | 0.00     |
| 15   | Benzyl Alcohol              | 1.303 | 1.241 | 4.8   | 101   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 2.016 | 1.940 | 3.8   | 103   | 0.00     |
| 17   | 2-Methylphenol              | 1.118 | 1.076 | 3.8   | 103   | 0.00     |
| 18   | Hexachloroethane            | 0.547 | 0.520 | 4.9   | 100   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 1.072 | 0.974 | 9.1   | 99    | 0.00     |
| 20   | 3+4-Methylphenols           | 1.392 | 1.342 | 3.6   | 103   | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0   | 105   | 0.00     |
| 22   | Acetophenone                | 0.487 | 0.474 | 2.7   | 100   | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.313 | 0.336 | -7.3  | 104   | 0.00     |
| 24   | Nitrobenzene                | 0.335 | 0.358 | -6.9  | 103   | 0.00     |
| 25   | Isophorone                  | 0.672 | 0.647 | 3.7   | 100   | 0.00     |
| 26 C | 2-Nitrophenol               | 0.127 | 0.146 | -15.0 | 106   | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.247 | 0.245 | 0.8   | 101   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.429 | 0.409 | 4.7   | 99    | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.285 | 0.290 | -1.8  | 102   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.312 | 0.314 | -0.6  | 103   | 0.00     |
| 31   | Naphthalene                 | 1.028 | 1.011 | 1.7   | 102   | 0.00     |
| 32   | Benzoic acid                | 0.179 | 0.205 | -14.5 | 113   | 0.00     |
| 33   | 4-Chloroaniline             | 0.377 | 0.377 | 0.0   | 105   | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.194 | 0.192 | 1.0   | 101   | 0.00     |
| 35   | Caprolactam                 | 0.088 | 0.090 | -2.3  | 104   | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 0.317 | 0.314 | 0.9   | 101   | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.674 | 0.658 | 2.4   | 102   | 0.00     |
| 38   | 1-Methylnaphthalene         | 0.647 | 0.636 | 1.7   | 103   | 0.00     |
| 39 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0   | 103   | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 0.578 | 0.579 | -0.2  | 101   | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 0.241 | 0.239 | 0.8   | 96    | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 0.188 | 0.192 | -2.1  | 100   | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 0.373 | 0.382 | -2.4  | 99    | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 0.369 | 0.396 | -7.3  | 107   | 0.00     |
| 45 S | 2-Fluorobiphenyl            | 1.247 | 1.217 | 2.4   | 102   | 0.00     |
| 46   | 1,1'-Biphenyl               | 1.522 | 1.521 | 0.1   | 103   | 0.00     |
| 47   | 2-Chloronaphthalene         | 1.124 | 1.138 | -1.2  | 103   | 0.00     |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF030425\  
 Data File : BF141824.D  
 Acq On : 04 Mar 2025 13:46  
 Operator : RC/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Mar 04 14:43:44 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF022725.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Feb 28 01:48:16 2025  
 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             | 0.260 | 0.319 | -22.7  | 110   | 0.00     |
| 49   | Acenaphthylene             | 1.685 | 1.691 | -0.4   | 102   | 0.00     |
| 50   | Dimethylphthalate          | 1.339 | 1.303 | 2.7    | 99    | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 0.226 | 0.260 | -15.0  | 105   | 0.00     |
| 52 C | Acenaphthene               | 1.137 | 1.153 | -1.4   | 104   | 0.00     |
| 53   | 3-Nitroaniline             | 0.241 | 0.289 | -19.9  | 108   | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 0.089 | 0.111 | -24.7  | 124   | 0.00     |
| 55   | Dibenzofuran               | 1.654 | 1.637 | 1.0    | 102   | 0.00     |
| 56 P | 4-Nitrophenol              | 0.198 | 0.240 | -21.2  | 108   | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 0.269 | 0.334 | -24.2  | 110   | 0.00     |
| 58   | Fluorene                   | 1.239 | 1.210 | 2.3    | 102   | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 0.321 | 0.334 | -4.0   | 102   | 0.00     |
| 60   | Diethylphthalate           | 1.343 | 1.286 | 4.2    | 96    | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 0.621 | 0.601 | 3.2    | 100   | 0.00     |
| 62   | 4-Nitroaniline             | 0.229 | 0.286 | -24.9  | 111   | 0.00     |
| 63   | Azobenzene                 | 1.414 | 1.358 | 4.0    | 98    | 0.00     |
| 64 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0    | 103   | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 0.081 | 0.100 | -23.5  | 119   | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 0.657 | 0.644 | 2.0    | 100   | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 0.234 | 0.229 | 2.1    | 99    | 0.00     |
| 68   | Hexachlorobenzene          | 0.247 | 0.245 | 0.8    | 100   | 0.00     |
| 69   | Atrazine                   | 0.181 | 0.161 | 11.0   | 92    | 0.00     |
| 70 C | Pentachlorophenol          | 0.156 | 0.169 | -8.3   | 103   | 0.00     |
| 71   | Phenanthrene               | 1.070 | 1.064 | 0.6    | 102   | 0.00     |
| 72   | Anthracene                 | 1.072 | 1.071 | 0.1    | 103   | 0.00     |
| 73   | Carbazole                  | 0.947 | 0.963 | -1.7   | 104   | 0.00     |
| 74   | Di-n-butylphthalate        | 1.200 | 1.143 | 4.7    | 97    | 0.00     |
| 75 C | Fluoranthene               | 1.096 | 1.122 | -2.4   | 106   | 0.00     |
| 76 I | Chrysene-d12               | 1.000 | 1.000 | 0.0    | 113   | 0.00     |
| 77   | Benzidine                  | 0.252 | 0.420 | -66.7# | 182#  | 0.00     |
| 78   | Pyrene                     | 1.732 | 1.684 | 2.8    | 106   | 0.00     |
| 79 S | Terphenyl-d14              | 1.236 | 1.154 | 6.6    | 103   | 0.00     |
| 80   | Butylbenzylphthalate       | 0.629 | 0.640 | -1.7   | 108   | -0.01    |
| 81   | Benzo(a)anthracene         | 1.321 | 1.276 | 3.4    | 110   | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 0.379 | 0.388 | -2.4   | 111   | -0.01    |
| 83   | Chrysene                   | 1.218 | 1.216 | 0.2    | 108   | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 0.783 | 0.827 | -5.6   | 112   | -0.01    |
| 85 c | Di-n-octyl phthalate       | 1.173 | 1.150 | 2.0    | 99    | -0.01    |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0    | 99    | -0.01    |
| 87   | Indeno(1,2,3-cd)pyrene     | 1.274 | 1.274 | 0.0    | 94    | -0.01    |
| 88   | Benzo(b)fluoranthene       | 1.362 | 1.370 | -0.6   | 104   | -0.01    |
| 89   | Benzo(k)fluoranthene       | 1.158 | 1.129 | 2.5    | 92    | -0.01    |
| 90 C | Benzo(a)pyrene             | 1.093 | 1.085 | 0.7    | 96    | -0.01    |
| 91   | Dibenzo(a,h)anthracene     | 1.040 | 1.034 | 0.6    | 92    | -0.01    |
| 92   | Benzo(g,h,i)perylene       | 1.065 | 1.077 | -1.1   | 94    | -0.01    |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF030425\  
Data File : BF141824.D  
Acq On : 04 Mar 2025 13:46  
Operator : RC/JU  
Sample : SSTDCCC040  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_F  
LabSampleId :  
SSTDCCC040

Quant Time: Mar 04 14:43:44 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF022725.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Feb 28 01:48:16 2025  
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\BF030425\  
 Data File : BF141824.D  
 Acq On : 04 Mar 2025 13:46  
 Operator : RC/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Mar 04 14:43:44 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF022725.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Feb 28 01:48:16 2025  
 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  | 111   | 0.00     |
| 2    | 1,4-Dioxane                 | 40.000 | 39.865 | 0.3  | 105   | 0.01     |
| 3    | Pyridine                    | 40.000 | 40.204 | -0.5 | 107   | 0.02     |
| 4    | n-Nitrosodimethylamine      | 40.000 | 41.156 | -2.9 | 106   | 0.01     |
| 5 S  | 2-Fluorophenol              | 80.000 | 77.978 | 2.5  | 105   | 0.00     |
| 6    | Aniline                     | 40.000 | 39.879 | 0.3  | 104   | 0.00     |
| 7 S  | Phenol-d6                   | 80.000 | 78.096 | 2.4  | 105   | 0.00     |
| 8    | 2-Chlorophenol              | 40.000 | 38.805 | 3.0  | 103   | 0.00     |
| 9    | Benzaldehyde                | 40.000 | 35.044 | 12.4 | 94    | 0.00     |
| 10 C | Phenol                      | 40.000 | 39.279 | 1.8  | 104   | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 40.000 | 38.706 | 3.2  | 106   | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 40.000 | 39.697 | 0.8  | 106   | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 40.000 | 39.246 | 1.9  | 105   | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 40.000 | 39.217 | 2.0  | 106   | 0.00     |
| 15   | Benzyl Alcohol              | 40.000 | 38.109 | 4.7  | 101   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 40.000 | 38.486 | 3.8  | 103   | 0.00     |
| 17   | 2-Methylphenol              | 40.000 | 38.500 | 3.8  | 103   | 0.00     |
| 18   | Hexachloroethane            | 40.000 | 38.006 | 5.0  | 100   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 40.000 | 36.376 | 9.1  | 99    | 0.00     |
| 20   | 3+4-Methylphenols           | 40.000 | 38.547 | 3.6  | 103   | 0.00     |
| 21 I | Naphthalene-d8              | 20.000 | 20.000 | 0.0  | 105   | 0.00     |
| 22   | Acetophenone                | 40.000 | 38.930 | 2.7  | 100   | 0.00     |
| 23 S | Nitrobenzene-d5             | 80.000 | 85.971 | -7.5 | 104   | 0.00     |
| 24   | Nitrobenzene                | 40.000 | 42.688 | -6.7 | 103   | 0.00     |
| 25   | Isophorone                  | 40.000 | 38.485 | 3.8  | 100   | 0.00     |
| 26 C | 2-Nitrophenol               | 40.000 | 39.806 | 0.5  | 106   | 0.00     |
| 27   | 2,4-Dimethylphenol          | 40.000 | 39.670 | 0.8  | 101   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 40.000 | 38.187 | 4.5  | 99    | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 40.000 | 40.674 | -1.7 | 102   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 40.000 | 40.151 | -0.4 | 103   | 0.00     |
| 31   | Naphthalene                 | 40.000 | 39.335 | 1.7  | 102   | 0.00     |
| 32   | Benzoic acid                | 40.000 | 41.068 | -2.7 | 113   | 0.00     |
| 33   | 4-Chloroaniline             | 40.000 | 40.039 | -0.1 | 105   | 0.00     |
| 34 C | Hexachlorobutadiene         | 40.000 | 39.464 | 1.3  | 101   | 0.00     |
| 35   | Caprolactam                 | 40.000 | 41.211 | -3.0 | 104   | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 40.000 | 39.647 | 0.9  | 101   | 0.00     |
| 37   | 2-Methylnaphthalene         | 40.000 | 39.052 | 2.4  | 102   | 0.00     |
| 38   | 1-Methylnaphthalene         | 40.000 | 39.346 | 1.6  | 103   | 0.00     |
| 39 I | Acenaphthene-d10            | 20.000 | 20.000 | 0.0  | 103   | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 40.000 | 40.083 | -0.2 | 101   | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 40.000 | 39.707 | 0.7  | 96    | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 80.000 | 81.938 | -2.4 | 100   | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 40.000 | 40.905 | -2.3 | 99    | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 40.000 | 42.885 | -7.2 | 107   | 0.00     |
| 45 S | 2-Fluorobiphenyl            | 80.000 | 78.044 | 2.4  | 102   | 0.00     |
| 46   | 1,1'-Biphenyl               | 40.000 | 39.974 | 0.1  | 103   | 0.00     |
| 47   | 2-Chloronaphthalene         | 40.000 | 40.506 | -1.3 | 103   | 0.00     |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF030425\  
 Data File : BF141824.D  
 Acq On : 04 Mar 2025 13:46  
 Operator : RC/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Mar 04 14:43:44 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF022725.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Feb 28 01:48:16 2025  
 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 | 42.073 | -5.2   | 110   | 0.00     |
| 49   | Acenaphthylene             | 40.000 | 40.140 | -0.4   | 102   | 0.00     |
| 50   | Dimethylphthalate          | 40.000 | 38.918 | 2.7    | 99    | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 40.000 | 41.050 | -2.6   | 105   | 0.00     |
| 52 C | Acenaphthene               | 40.000 | 40.580 | -1.4   | 104   | 0.00     |
| 53   | 3-Nitroaniline             | 40.000 | 42.742 | -6.9   | 108   | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 40.000 | 45.715 | -14.3  | 124   | 0.00     |
| 55   | Dibenzofuran               | 40.000 | 39.582 | 1.0    | 102   | 0.00     |
| 56 P | 4-Nitrophenol              | 40.000 | 48.445 | -21.1  | 108   | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 40.000 | 43.117 | -7.8   | 110   | 0.00     |
| 58   | Fluorene                   | 40.000 | 39.071 | 2.3    | 102   | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 41.539 | -3.8   | 102   | 0.00     |
| 60   | Diethylphthalate           | 40.000 | 38.319 | 4.2    | 96    | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 40.000 | 38.715 | 3.2    | 100   | 0.00     |
| 62   | 4-Nitroaniline             | 40.000 | 50.016 | -25.0# | 111   | 0.00     |
| 63   | Azobenzene                 | 40.000 | 38.435 | 3.9    | 98    | 0.00     |
| 64 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0    | 103   | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 40.000 | 43.478 | -8.7   | 119   | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 40.000 | 39.235 | 1.9    | 100   | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 40.000 | 39.236 | 1.9    | 99    | 0.00     |
| 68   | Hexachlorobenzene          | 40.000 | 39.682 | 0.8    | 100   | 0.00     |
| 69   | Atrazine                   | 40.000 | 35.582 | 11.0   | 92    | 0.00     |
| 70 C | Pentachlorophenol          | 40.000 | 43.155 | -7.9   | 103   | 0.00     |
| 71   | Phenanthrene               | 40.000 | 39.801 | 0.5    | 102   | 0.00     |
| 72   | Anthracene                 | 40.000 | 39.965 | 0.1    | 103   | 0.00     |
| 73   | Carbazole                  | 40.000 | 40.670 | -1.7   | 104   | 0.00     |
| 74   | Di-n-butylphthalate        | 40.000 | 38.095 | 4.8    | 97    | 0.00     |
| 75 C | Fluoranthene               | 40.000 | 40.955 | -2.4   | 106   | 0.00     |
| 76 I | Chrysene-d12               | 20.000 | 20.000 | 0.0    | 113   | 0.00     |
| 77   | Benzydine                  | 40.000 | 66.715 | -66.8# | 182   | 0.00     |
| 78   | Pyrene                     | 40.000 | 38.889 | 2.8    | 106   | 0.00     |
| 79 S | Terphenyl-d14              | 80.000 | 74.701 | 6.6    | 103   | 0.00     |
| 80   | Butylbenzylphthalate       | 40.000 | 40.696 | -1.7   | 108   | -0.01    |
| 81   | Benzo(a)anthracene         | 40.000 | 38.631 | 3.4    | 110   | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 40.000 | 40.983 | -2.5   | 111   | -0.01    |
| 83   | Chrysene                   | 40.000 | 39.954 | 0.1    | 108   | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 40.000 | 42.235 | -5.6   | 112   | -0.01    |
| 85 c | Di-n-octyl phthalate       | 40.000 | 39.224 | 1.9    | 99    | -0.01    |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0    | 99    | -0.01    |
| 87   | Indeno(1,2,3-cd)pyrene     | 40.000 | 40.028 | -0.1   | 94    | -0.01    |
| 88   | Benzo(b)fluoranthene       | 40.000 | 40.217 | -0.5   | 104   | -0.01    |
| 89   | Benzo(k)fluoranthene       | 40.000 | 38.997 | 2.5    | 92    | -0.01    |
| 90 C | Benzo(a)pyrene             | 40.000 | 39.718 | 0.7    | 96    | -0.01    |
| 91   | Dibenzo(a,h)anthracene     | 40.000 | 39.776 | 0.6    | 92    | -0.01    |
| 92   | Benzo(g,h,i)perylene       | 40.000 | 40.469 | -1.2   | 94    | -0.01    |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF030425\  
Data File : BF141824.D  
Acq On : 04 Mar 2025 13:46  
Operator : RC/JU  
Sample : SSTDCCC040  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_F  
LabSampleId :  
SSTDCCC040

Quant Time: Mar 04 14:43:44 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF022725.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Feb 28 01:48:16 2025  
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



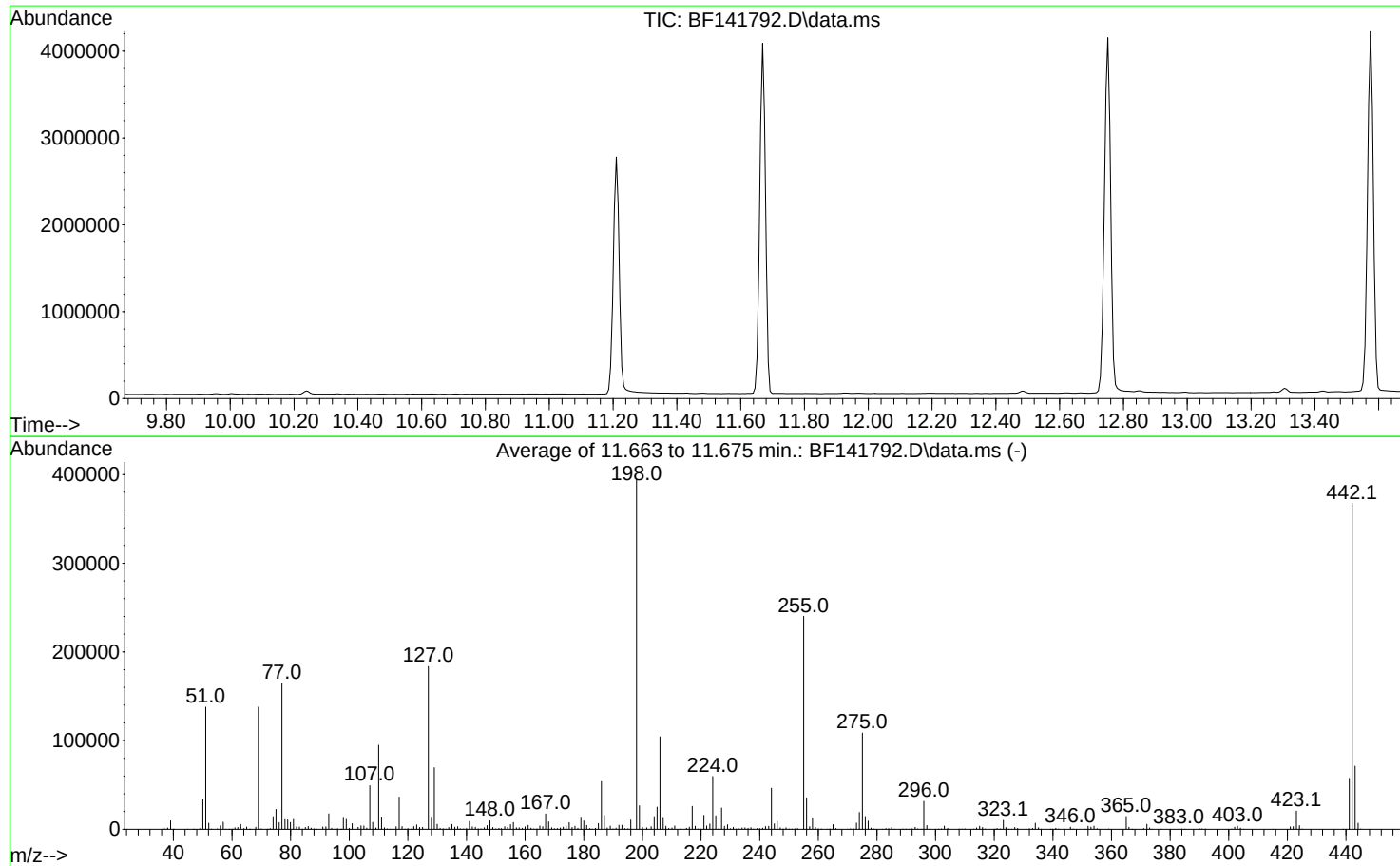
# QC SAMPLE DATA

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF022725\  
Data File : BF141792.D  
Acq On : 27 Feb 2025 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-BF022725.M  
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
Last Update : Fri Feb 28 01:48:16 2025



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              | 34.9         | 137699     | PASS                |
| 68             | 69              | 0.00            | 2               | 1.7          | 2348       | PASS                |
| 69             | 198             | 0.00            | 100             | 34.9         | 137773     | PASS                |
| 70             | 69              | 0.00            | 2               | 0.4          | 593        | PASS                |
| 127            | 198             | 10              | 80              | 46.5         | 183483     | PASS                |
| 197            | 198             | 0.00            | 2               | 0.0          | 0          | PASS                |
| 198            | 198             | 100             | 100             | 100.0        | 394304     | PASS                |
| 199            | 198             | 5               | 9               | 6.7          | 26613      | PASS                |
| 275            | 198             | 10              | 60              | 27.6         | 108637     | PASS                |
| 365            | 198             | 1               | 100             | 3.7          | 14499      | PASS                |
| 441            | 198             | 0.01            | 100             | 14.6         | 57517      | PASS                |
| 442            | 442             | 50              | 100             | 100.0        | 367680     | PASS                |
| 443            | 442             | 15              | 24              | 19.4         | 71267      | PASS                |



# DDT Breakdown

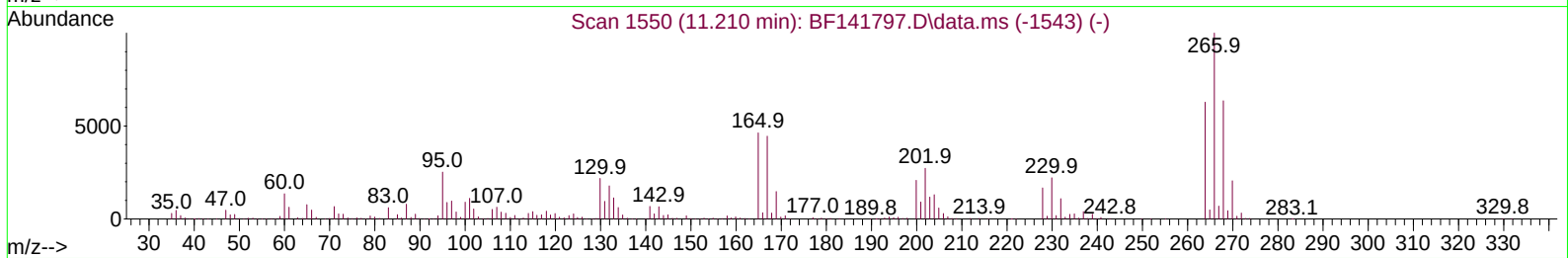
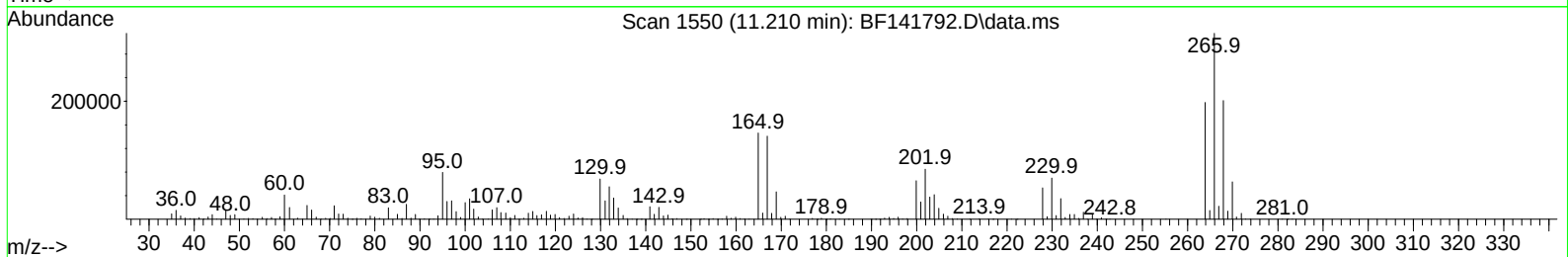
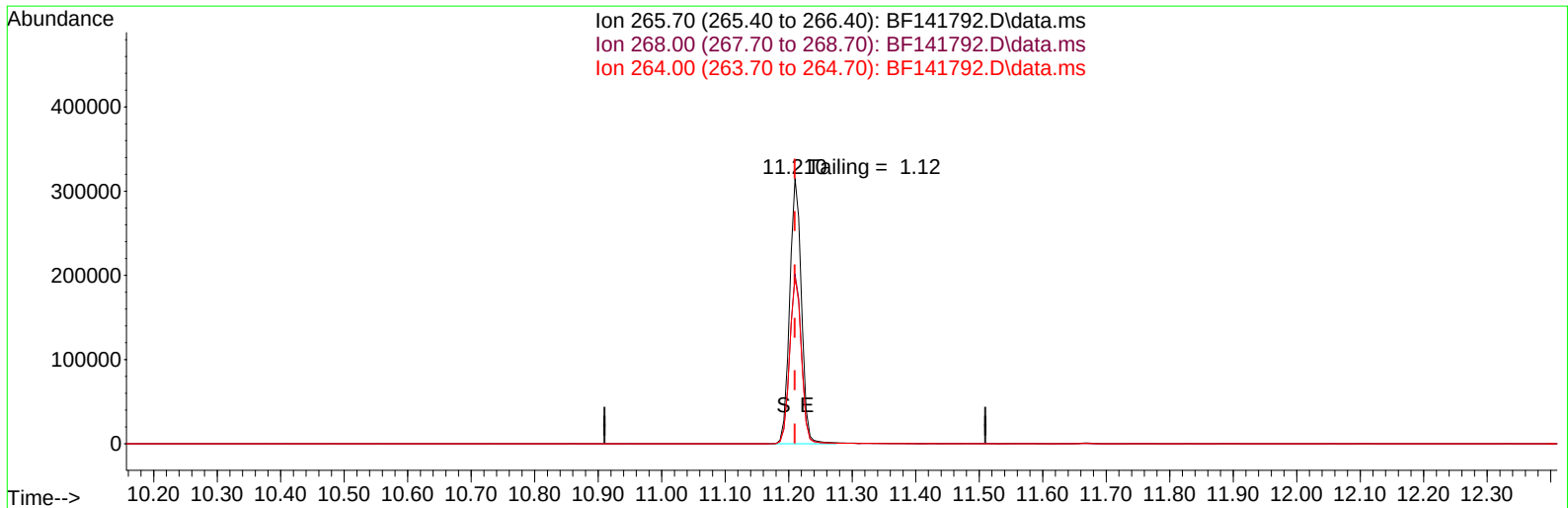
| Date          | Instrument Name  | DFTPP Data File    |
|---------------|------------------|--------------------|
| 2/27/2025     | BNA_F            | <u>BF141792.D</u>  |
|               |                  |                    |
|               |                  |                    |
| Compound Name | Response         | Retention Time     |
|               |                  |                    |
| DDT           | 938485           | 13.575             |
| DDD           | 9936             | 13.304             |
| DDE           | 0                | 12.827             |
|               |                  |                    |
|               |                  |                    |
| SUM(DDD+DDE)  | SUM(DDT+DDD+DDE) | % Breakdown Of DDT |
|               |                  |                    |
| 9936          | 948421           | 1.05               |
|               |                  |                    |

Instrument :  
BNA\_F  
ClientSampleId :  
DFTPP

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF022725\  
Data File : BF141792.D  
Acq On : 27 Feb 2025 14:47  
Operator : RC/JU  
Sample : DFTPP  
Misc :  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
DFTPP

Quant Time: Feb 28 01:59:00 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF022725.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Feb 28 01:48:16 2025  
Response via : Initial Calibration



TIC: BF141792.D\data.ms

**(70) Pentachlorophenol (C)**

**11.210min (-0.000) 55299.21 ng**

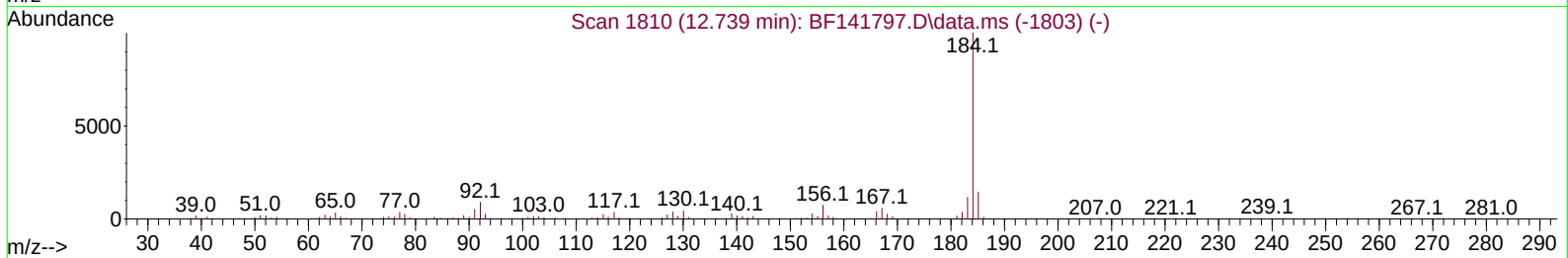
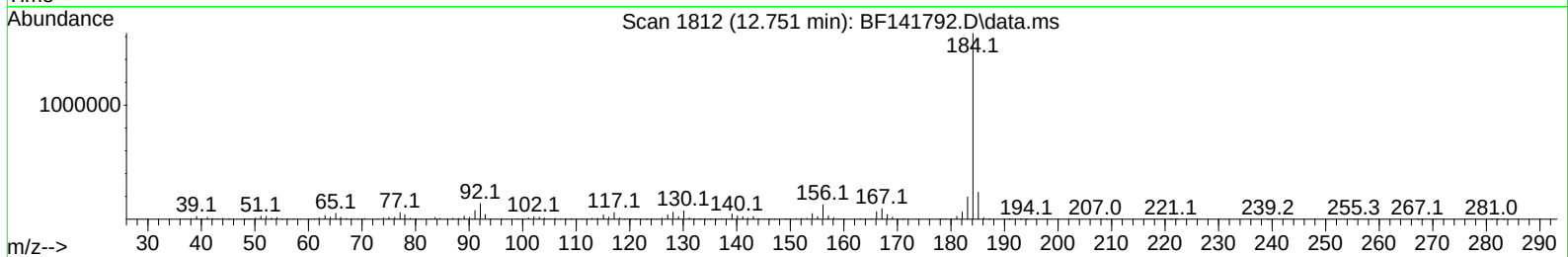
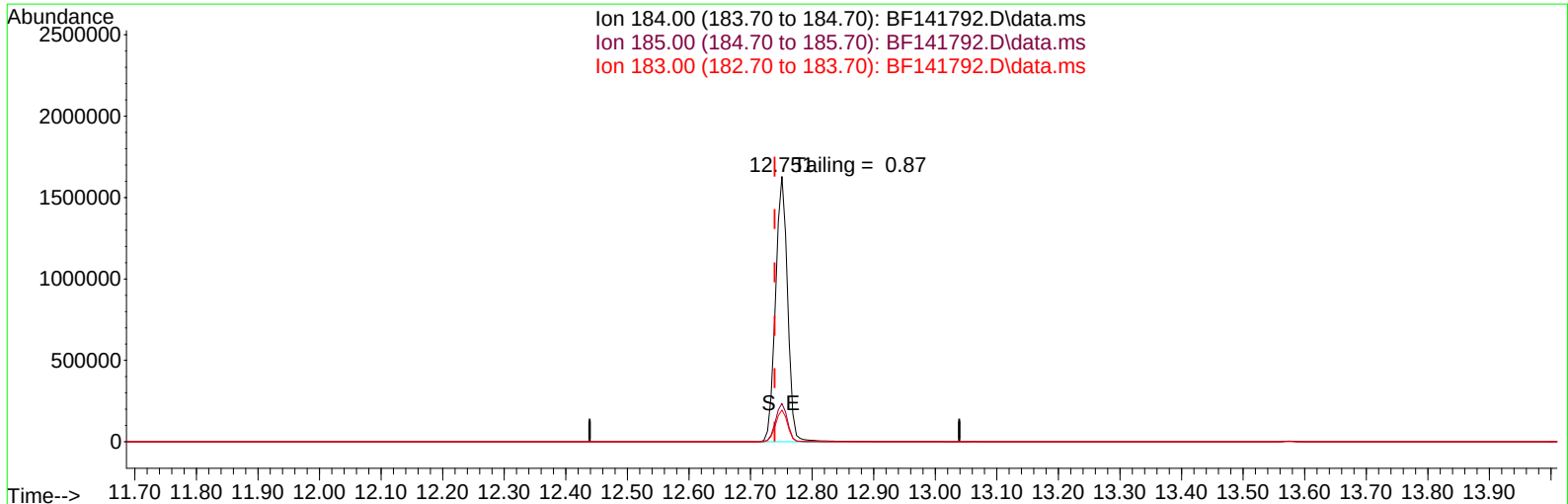
**response 409665**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 265.70 | 100.00 | 100.00 |
| 268.00 | 63.60  | 63.84  |
| 264.00 | 62.80  | 62.85  |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF022725\  
Data File : BF141792.D  
Acq On : 27 Feb 2025 14:47  
Operator : RC/JU  
Sample : DFTPP  
Misc :  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
DFTPP

Quant Time: Feb 28 01:59:00 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF022725.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Feb 28 01:48:16 2025  
Response via : Initial Calibration



TIC: BF141792.D\data.ms

**(77) Benzidine**

**12.751min (+ 0.012) 190021.56 ng**

**response 2231445**

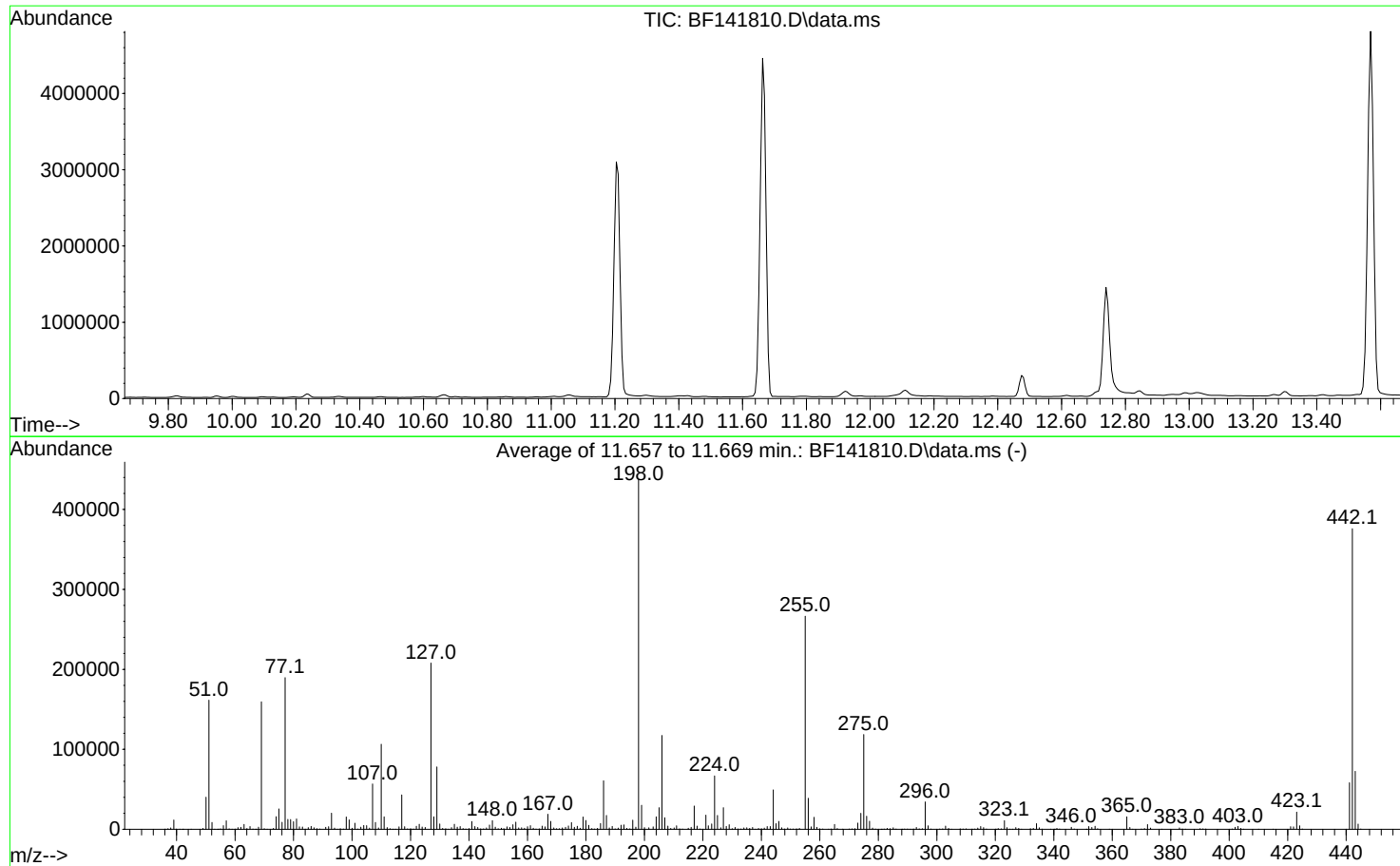
| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 184.00 | 100.00 | 100.00 |
| 185.00 | 14.50  | 14.44  |
| 183.00 | 11.70  | 11.98  |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF030325\  
Data File : BF141810.D  
Acq On : 03 Mar 2025 13:47  
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-BF022725.M  
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
Last Update : Fri Feb 28 01:48:16 2025



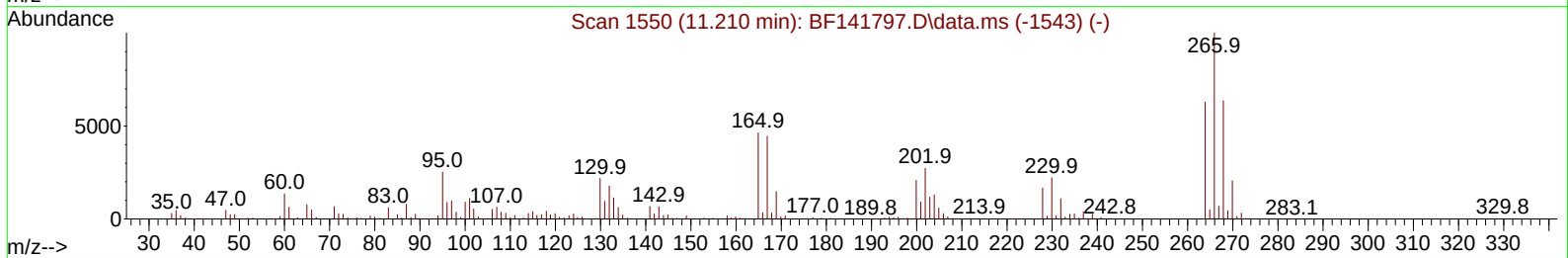
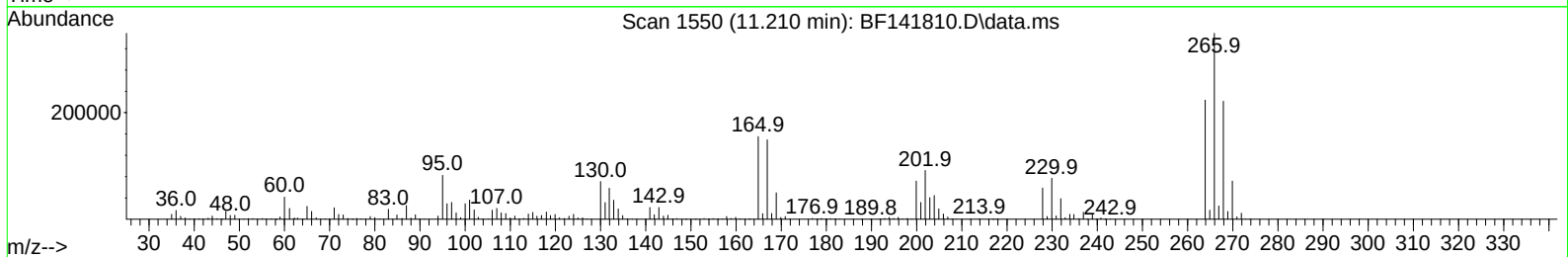
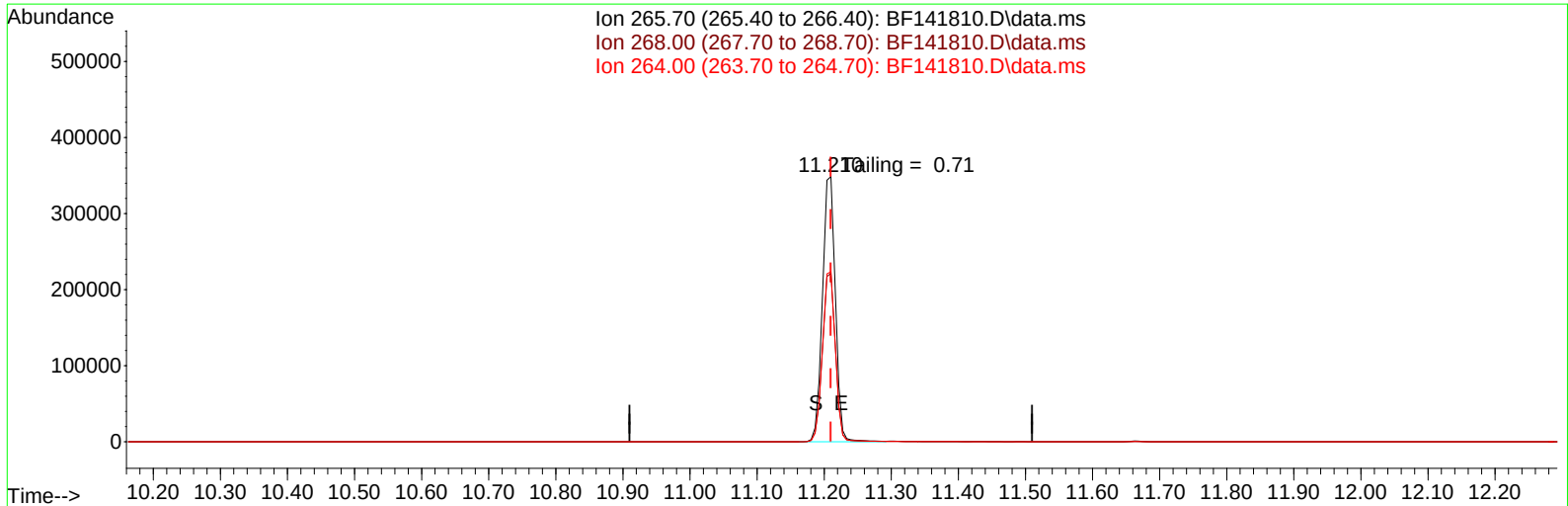
AutoFind: Scans 1626, 1627, 1628; Background Corrected with Scan 1619

| 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              | 36.9         | 161527     | PASS                |
| 68             | 69              | 0.00            | 2               | 1.7          | 2647       | PASS                |
| 69             | 198             | 0.00            | 100             | 36.4         | 159355     | PASS                |
| 70             | 69              | 0.00            | 2               | 0.4          | 717        | PASS                |
| 127            | 198             | 10              | 80              | 47.5         | 207936     | PASS                |
| 197            | 198             | 0.00            | 2               | 0.6          | 2683       | PASS                |
| 198            | 198             | 100             | 100             | 100.0        | 437355     | PASS                |
| 199            | 198             | 5               | 9               | 6.9          | 29989      | PASS                |
| 275            | 198             | 10              | 60              | 27.1         | 118512     | PASS                |
| 365            | 198             | 1               | 100             | 3.6          | 15686      | PASS                |
| 441            | 198             | 0.01            | 100             | 13.3         | 58189      | PASS                |
| 442            | 442             | 50              | 100             | 100.0        | 375872     | PASS                |
| 443            | 442             | 15              | 24              | 19.3         | 72480      | PASS                |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF030325\  
Data File : BF141810.D  
Acq On : 03 Mar 2025 13:47  
Operator : RC/JU  
Sample : DFTPP  
Misc :  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
DFTPP

Quant Time: Mar 03 15:43:39 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF022725.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Feb 28 01:48:16 2025  
Response via : Initial Calibration



TIC: BF141810.D\data.ms

**(70) Pentachlorophenol (C)**

**11.210min (-0.000) 14361.45 ng**

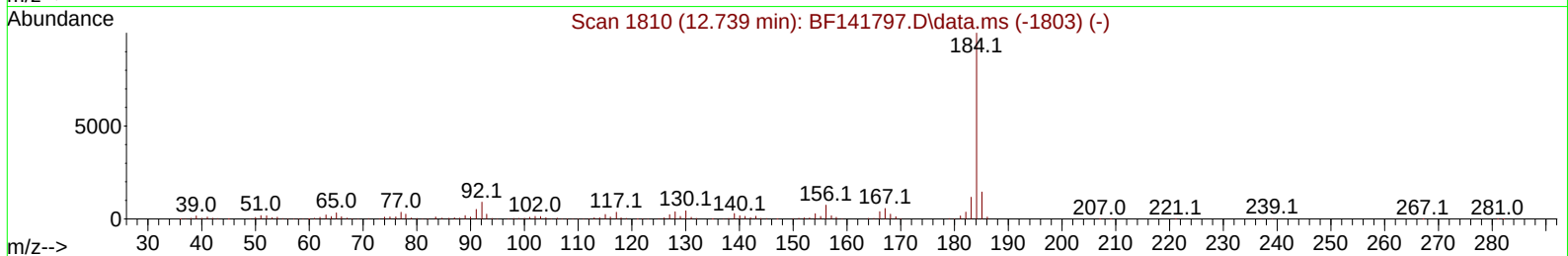
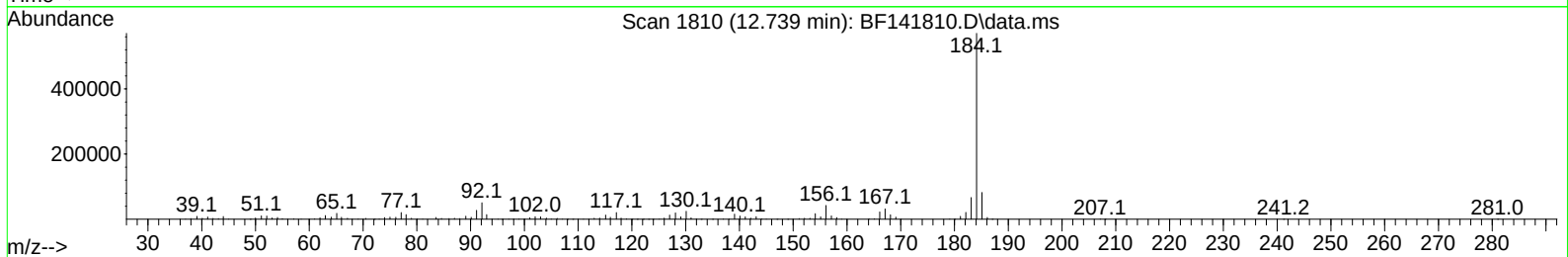
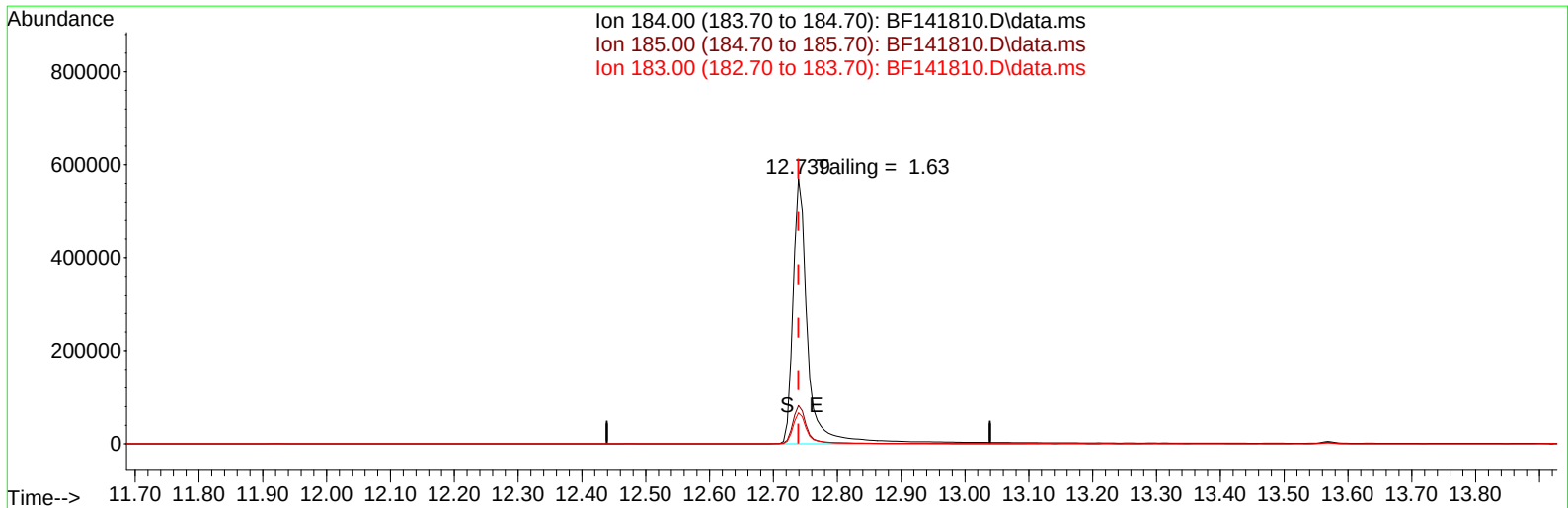
**response 467023**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 265.70 | 100.00 | 100.00 |
| 268.00 | 63.60  | 63.48  |
| 264.00 | 62.80  | 64.09  |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF030325\  
Data File : BF141810.D  
Acq On : 03 Mar 2025 13:47  
Operator : RC/JU  
Sample : DFTPP  
Misc :  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
DFTPP

Quant Time: Mar 03 15:43:39 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF022725.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Feb 28 01:48:16 2025  
Response via : Initial Calibration



TIC: BF141810.D\data.ms

**(77) Benzidine**

**12.739min (+ 0.000) 25512.33 ng**

**response 914517**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 184.00 | 100.00 | 100.00 |
| 185.00 | 14.50  | 14.46  |
| 183.00 | 11.70  | 11.71  |
| 0.00   | 0.00   | 0.00   |

# DDT Breakdown

| Date          | Instrument Name  | DFTPP Data File    |
|---------------|------------------|--------------------|
| 3/3/2025      | BNA_F            | <u>BF141810.D</u>  |
|               |                  |                    |
|               |                  |                    |
| Compound Name | Response         | Retention Time     |
|               |                  |                    |
| DDT           | 1099767          | 13.569             |
| DDD           | 14757            | 13.298             |
| DDE           | 11303            | 12.957             |
|               |                  |                    |
|               |                  |                    |
| SUM(DDD+DDE)  | SUM(DDT+DDD+DDE) | % Breakdown Of DDT |
|               |                  |                    |
| 26060         | 1125827          | 2.31               |
|               |                  |                    |

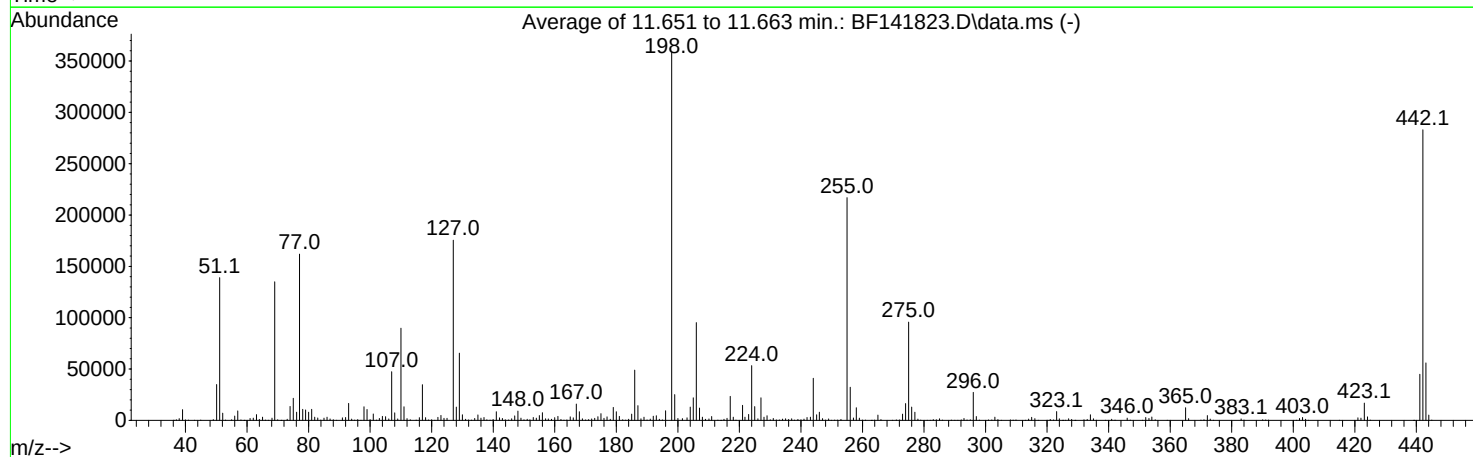
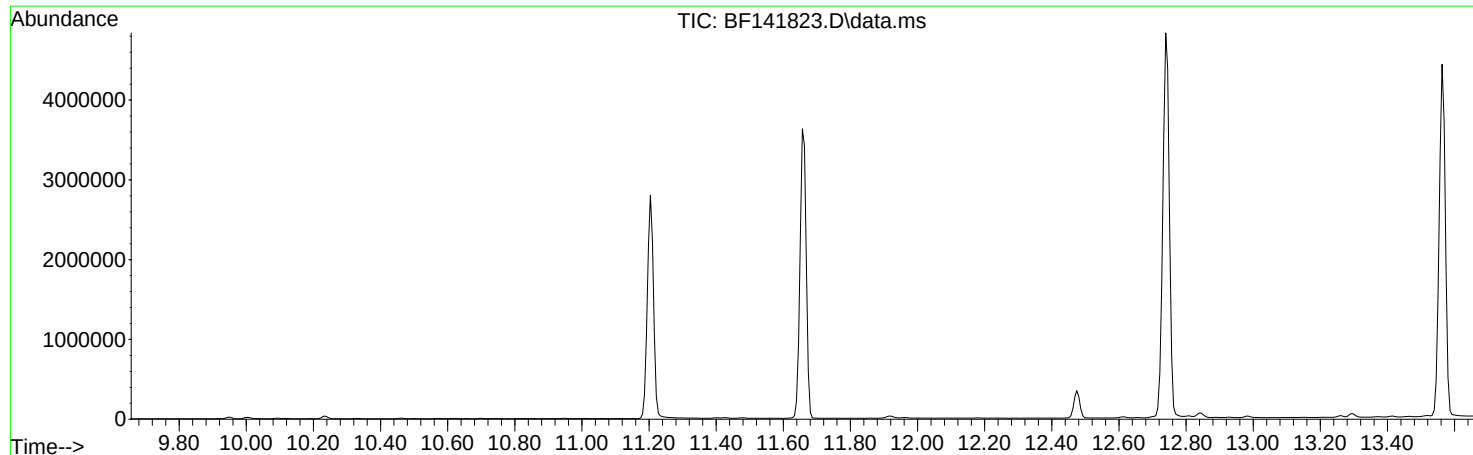
Instrument :  
BNA\_F  
ClientSampleId :  
DFTPP

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF030425\  
Data File : BF141823.D  
Acq On : 04 Mar 2025 13:16  
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-BF022725.M  
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
Last Update : Fri Feb 28 01:48:16 2025



AutoFind: Scans 1625, 1626, 1627; Background Corrected with Scan 1618

| 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              | 38.8         | 139000     | PASS                |
| 68             | 69              | 0.00            | 2               | 1.7          | 2230       | PASS                |
| 69             | 198             | 0.00            | 100             | 37.7         | 134917     | PASS                |
| 70             | 69              | 0.00            | 2               | 0.4          | 560        | PASS                |
| 127            | 198             | 10              | 80              | 49.0         | 175467     | PASS                |
| 197            | 198             | 0.00            | 2               | 0.0          | 0          | PASS                |
| 198            | 198             | 100             | 100             | 100.0        | 358293     | PASS                |
| 199            | 198             | 5               | 9               | 7.0          | 25051      | PASS                |
| 275            | 198             | 10              | 60              | 26.7         | 95629      | PASS                |
| 365            | 198             | 1               | 100             | 3.5          | 12382      | PASS                |
| 441            | 198             | 0.01            | 100             | 12.5         | 44824      | PASS                |
| 442            | 442             | 50              | 100             | 100.0        | 283093     | PASS                |
| 443            | 442             | 15              | 24              | 19.8         | 56016      | PASS                |



# DDT Breakdown

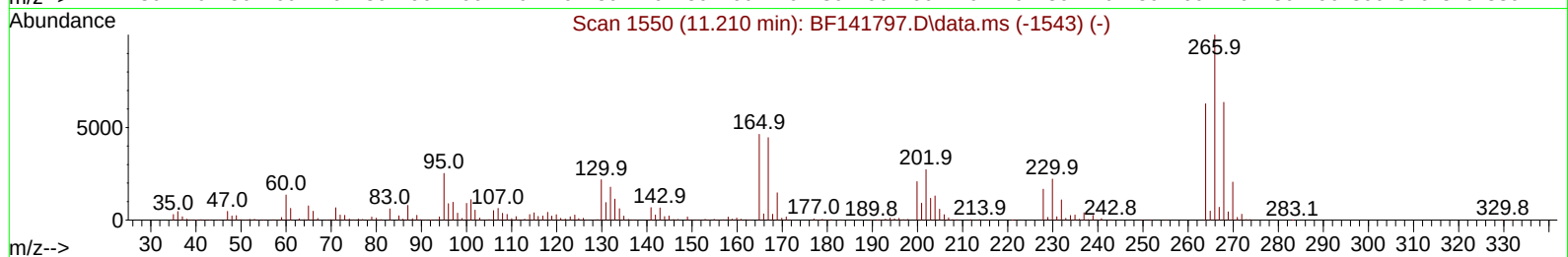
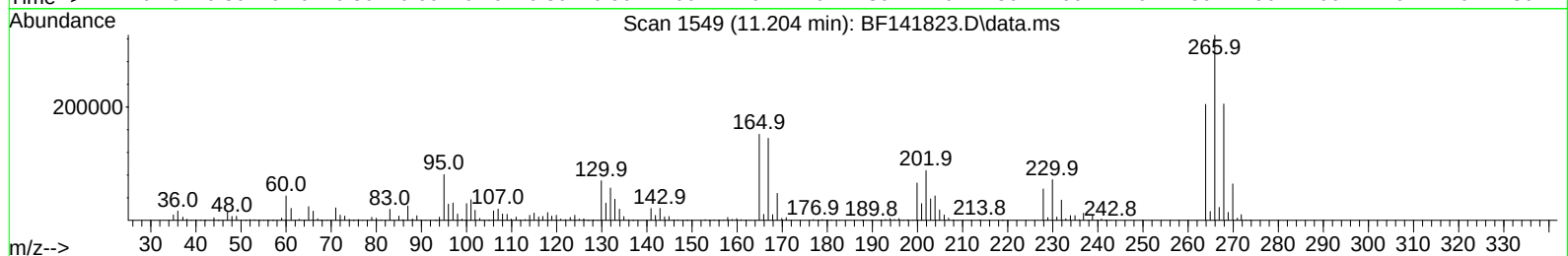
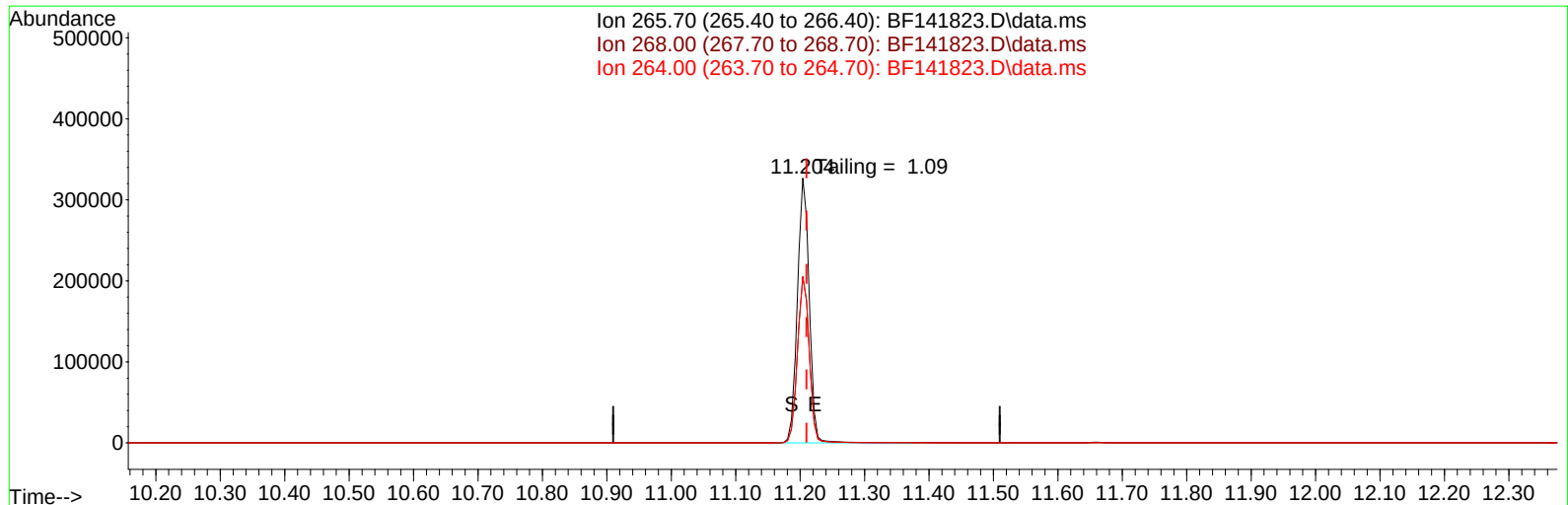
| Date          | Instrument Name  | DFTPP Data File    |
|---------------|------------------|--------------------|
| 3/4/2025      | BNA_F            | <u>BF141823.D</u>  |
|               |                  |                    |
|               |                  |                    |
| Compound Name | Response         | Retention Time     |
|               |                  |                    |
| DDT           | 1022885          | 13.563             |
| DDD           | 14087            | 13.292             |
| DDE           | 897              | 12.927             |
|               |                  |                    |
|               |                  |                    |
| SUM(DDD+DDE)  | SUM(DDT+DDD+DDE) | % Breakdown Of DDT |
|               |                  |                    |
| 14984         | 1037869          | 1.44               |
|               |                  |                    |

Instrument :  
BNA\_F  
ClientSampleId :  
DFTPP

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF030425\  
Data File : BF141823.D  
Acq On : 04 Mar 2025 13:16  
Operator : RC/JU  
Sample : DFTPP  
Misc :  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
DFTPP

Quant Time: Mar 04 14:52:08 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF022725.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Feb 28 01:48:16 2025  
Response via : Initial Calibration



TIC: BF141823.D\data.ms

**(70) Pentachlorophenol (C)**

11.204min (-0.006) 15423.04 ng

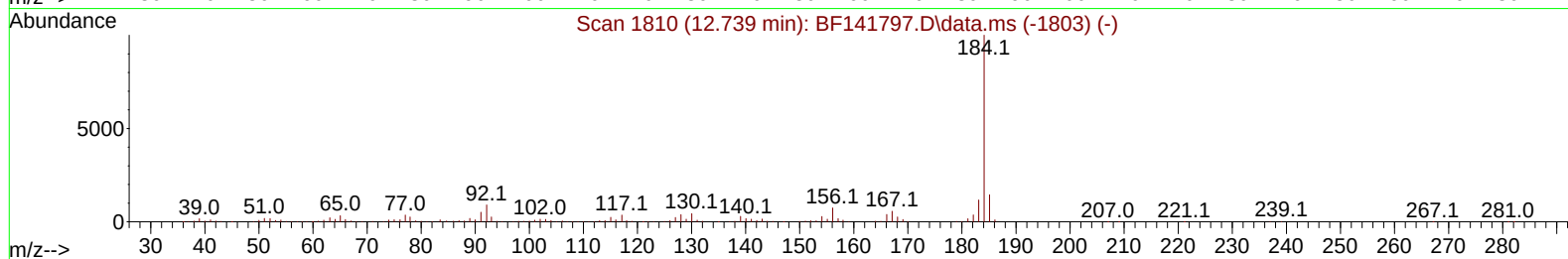
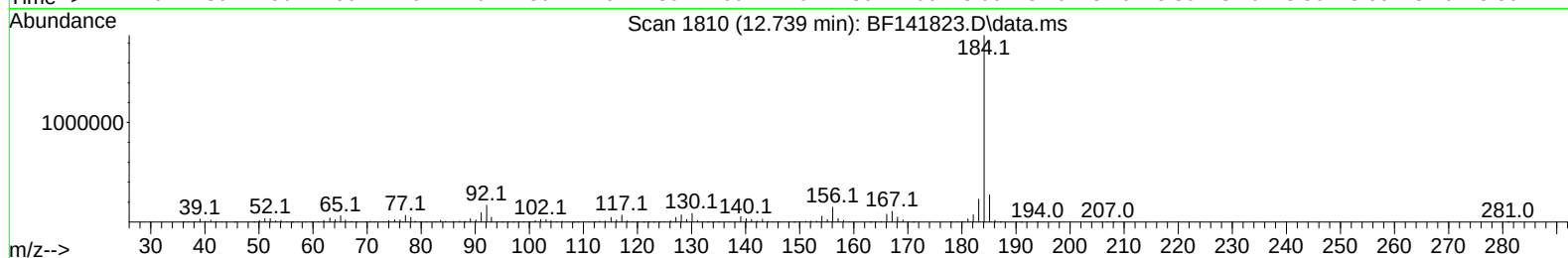
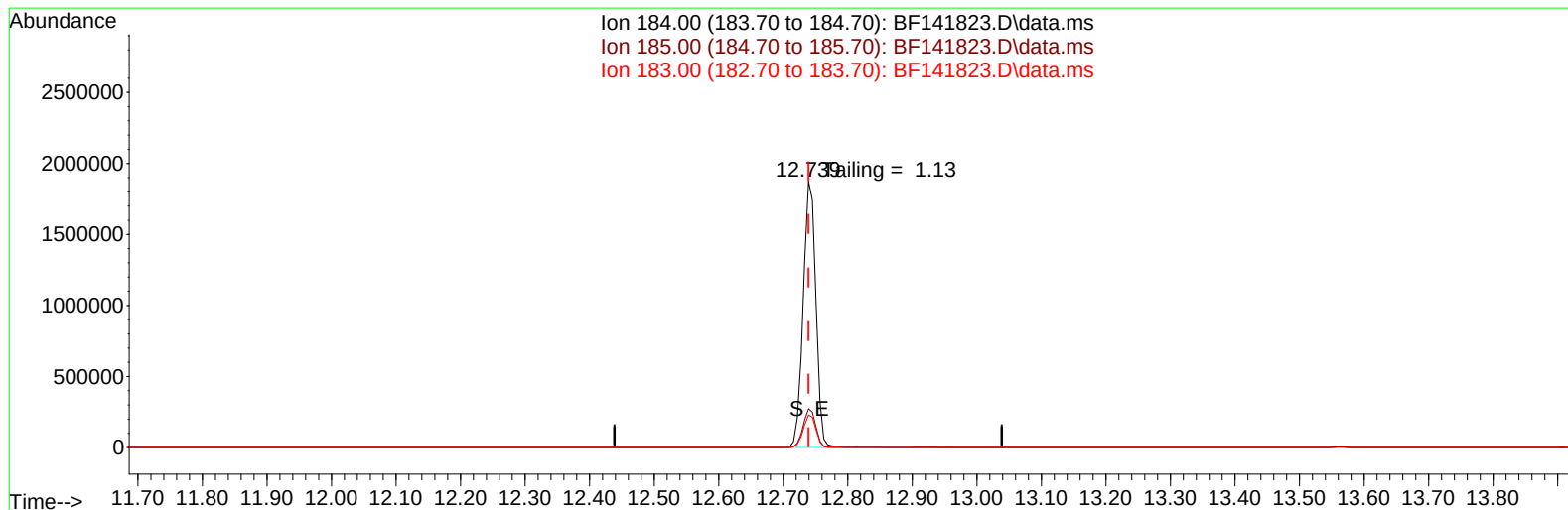
response 419020

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 265.70 | 100.00 | 100.00 |
| 268.00 | 63.60  | 62.81  |
| 264.00 | 62.80  | 62.69  |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF030425\  
Data File : BF141823.D  
Acq On : 04 Mar 2025 13:16  
Operator : RC/JU  
Sample : DFTPP  
Misc :  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
DFTPP

Quant Time: Mar 04 14:52:08 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF022725.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Feb 28 01:48:16 2025  
Response via : Initial Calibration



TIC: BF141823.D\data.ms

**(77) Benzidine**

12.739min (+ 0.000) 62740.05 ng

response 2583016

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 184.00 | 100.00 | 100.00 |
| 185.00 | 14.50  | 14.56  |
| 183.00 | 11.70  | 12.26  |
| 0.00   | 0.00   | 0.00   |

## Report of Analysis

|                    |                     |                 |                  |
|--------------------|---------------------|-----------------|------------------|
| Client:            | G Environmental     | Date Collected: |                  |
| Project:           | Nelson              | Date Received:  |                  |
| Client Sample ID:  | PB166957BL          | SDG No.:        | Q1447            |
| Lab Sample ID:     | PB166957BL          | 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 |
| BF141825.D        | 1         | 03/03/25 13:15 | 03/04/25 14:15 | PB166957      |

| 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                      | 82.8  | U         | 82.8 | 170        | ug/Kg             |
| 111-44-4       | bis(2-Chloroethyl)ether     | 83.6  | U         | 83.6 | 170        | ug/Kg             |
| 95-57-8        | 2-Chlorophenol              | 83.4  | U         | 83.4 | 170        | ug/Kg             |
| 95-48-7        | 2-Methylphenol              | 80.5  | U         | 80.5 | 170        | ug/Kg             |
| 108-60-1       | 2,2-oxybis(1-Chloropropane) | 90.8  | U         | 90.8 | 170        | ug/Kg             |
| 98-86-2        | Acetophenone                | 86.8  | U         | 86.8 | 170        | ug/Kg             |
| 65794-96-9     | 3+4-Methylphenols           | 79.7  | U         | 79.7 | 330        | ug/Kg             |
| 621-64-7       | n-Nitroso-di-n-propylamine  | 40.3  | U         | 40.3 | 79.9       | ug/Kg             |
| 67-72-1        | Hexachloroethane            | 82.9  | U         | 82.9 | 170        | ug/Kg             |
| 98-95-3        | Nitrobenzene                | 90.7  | U         | 90.7 | 170        | ug/Kg             |
| 78-59-1        | Isophorone                  | 84.5  | U         | 84.5 | 170        | ug/Kg             |
| 88-75-5        | 2-Nitrophenol               | 94.4  | U         | 94.4 | 170        | ug/Kg             |
| 105-67-9       | 2,4-Dimethylphenol          | 93.1  | U         | 93.1 | 170        | ug/Kg             |
| 111-91-1       | bis(2-Chloroethoxy)methane  | 85.7  | U         | 85.7 | 170        | ug/Kg             |
| 120-83-2       | 2,4-Dichlorophenol          | 75.4  | U         | 75.4 | 170        | ug/Kg             |
| 91-20-3        | Naphthalene                 | 82.5  | U         | 82.5 | 170        | ug/Kg             |
| 106-47-8       | 4-Chloroaniline             | 82.5  | U         | 82.5 | 170        | ug/Kg             |
| 87-68-3        | Hexachlorobutadiene         | 83.2  | U         | 83.2 | 170        | ug/Kg             |
| 105-60-2       | Caprolactam                 | 86.7  | U         | 86.7 | 330        | ug/Kg             |
| 59-50-7        | 4-Chloro-3-methylphenol     | 77.4  | U         | 77.4 | 170        | ug/Kg             |
| 91-57-6        | 2-Methylnaphthalene         | 82.4  | U         | 82.4 | 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                | 87.3  | U         | 87.3 | 170        | ug/Kg             |
| 91-58-7        | 2-Chloronaphthalene         | 83.2  | U         | 83.2 | 170        | ug/Kg             |
| 88-74-4        | 2-Nitroaniline              | 94.9  | U         | 94.9 | 170        | ug/Kg             |
| 131-11-3       | Dimethylphthalate           | 81.6  | U         | 81.6 | 170        | ug/Kg             |

## Report of Analysis

|                    |                        |                 |                              |
|--------------------|------------------------|-----------------|------------------------------|
| Client:            | G Environmental        | Date Collected: |                              |
| Project:           | Nelson                 | Date Received:  |                              |
| Client Sample ID:  | PB166957BL             | SDG No.:        | Q1447                        |
| Lab Sample ID:     | PB166957BL             | 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 |
| BF141825.D        | 1         | 03/03/25 13:15 | 03/04/25 14:15 | PB166957      |

| CAS Number | Parameter                  | Conc. | Qualifier | MDL  | LOQ / CRQL | Units(Dry Weight) |
|------------|----------------------------|-------|-----------|------|------------|-------------------|
| 208-96-8   | Acenaphthylene             | 86.4  | U         | 86.4 | 170        | ug/Kg             |
| 606-20-2   | 2,6-Dinitrotoluene         | 83.1  | U         | 83.1 | 170        | ug/Kg             |
| 99-09-2    | 3-Nitroaniline             | 89.1  | U         | 89.1 | 170        | ug/Kg             |
| 83-32-9    | Acenaphthene               | 81.0  | U         | 81.0 | 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               | 84.3  | U         | 84.3 | 170        | ug/Kg             |
| 121-14-2   | 2,4-Dinitrotoluene         | 86.1  | U         | 86.1 | 170        | ug/Kg             |
| 84-66-2    | Diethylphthalate           | 80.0  | U         | 80.0 | 170        | ug/Kg             |
| 7005-72-3  | 4-Chlorophenyl-phenylether | 85.5  | U         | 85.5 | 170        | ug/Kg             |
| 86-73-7    | Fluorene                   | 85.4  | U         | 85.4 | 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     | 81.5  | U         | 81.5 | 170        | ug/Kg             |
| 101-55-3   | 4-Bromophenyl-phenylether  | 78.8  | U         | 78.8 | 170        | ug/Kg             |
| 118-74-1   | Hexachlorobenzene          | 84.9  | U         | 84.9 | 170        | ug/Kg             |
| 1912-24-9  | Atrazine                   | 91.3  | U         | 91.3 | 170        | ug/Kg             |
| 87-86-5    | Pentachlorophenol          | 77.2  | U         | 77.2 | 330        | ug/Kg             |
| 85-01-8    | Phenanthrene               | 83.9  | U         | 83.9 | 170        | ug/Kg             |
| 120-12-7   | Anthracene                 | 84.3  | U         | 84.3 | 170        | ug/Kg             |
| 86-74-8    | Carbazole                  | 80.2  | U         | 80.2 | 170        | ug/Kg             |
| 84-74-2    | Di-n-butylphthalate        | 84.2  | U         | 84.2 | 170        | ug/Kg             |
| 206-44-0   | Fluoranthene               | 81.6  | U         | 81.6 | 170        | ug/Kg             |
| 129-00-0   | Pyrene                     | 82.9  | U         | 82.9 | 170        | ug/Kg             |
| 85-68-7    | Butylbenzylphthalate       | 96.7  | U         | 96.7 | 170        | ug/Kg             |
| 91-94-1    | 3,3-Dichlorobenzidine      | 98.5  | U         | 98.5 | 330        | ug/Kg             |
| 56-55-3    | Benzo(a)anthracene         | 80.6  | U         | 80.6 | 170        | ug/Kg             |
| 218-01-9   | Chrysene                   | 79.4  | U         | 79.4 | 170        | ug/Kg             |
| 117-81-7   | Bis(2-ethylhexyl)phthalate | 90.9  | U         | 90.9 | 170        | ug/Kg             |
| 117-84-0   | Di-n-octyl phthalate       | 110   | U         | 110  | 330        | ug/Kg             |
| 205-99-2   | Benzo(b)fluoranthene       | 81.0  | U         | 81.0 | 170        | ug/Kg             |

## Report of Analysis

|                    |                     |                 |                  |
|--------------------|---------------------|-----------------|------------------|
| Client:            | G Environmental     | Date Collected: |                  |
| Project:           | Nelson              | Date Received:  |                  |
| Client Sample ID:  | PB166957BL          | SDG No.:        | Q1447            |
| Lab Sample ID:     | PB166957BL          | 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 |
| BF141825.D        | 1         | 03/03/25 13:15 | 03/04/25 14:15 | PB166957      |

| CAS Number | Parameter                  | Conc. | Qualifier | MDL  | LOQ / CRQL | Units(Dry Weight) |
|------------|----------------------------|-------|-----------|------|------------|-------------------|
| 207-08-9   | Benzo(k)fluoranthene       | 82.5  | U         | 82.5 | 170        | ug/Kg             |
| 50-32-8    | Benzo(a)pyrene             | 92.9  | U         | 92.9 | 170        | ug/Kg             |
| 193-39-5   | Indeno(1,2,3-cd)pyrene     | 78.0  | U         | 78.0 | 170        | ug/Kg             |
| 53-70-3    | Dibenzo(a,h)anthracene     | 81.1  | U         | 81.1 | 170        | ug/Kg             |
| 191-24-2   | Benzo(g,h,i)perylene       | 80.0  | U         | 80.0 | 170        | ug/Kg             |
| 95-94-3    | 1,2,4,5-Tetrachlorobenzene | 86.7  | U         | 86.7 | 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             |

### SURROGATES

|            |                      |      |  |                     |      |          |
|------------|----------------------|------|--|---------------------|------|----------|
| 367-12-4   | 2-Fluorophenol       | 125  |  | 30 (18) - 130 (112) | 83%  | SPK: 150 |
| 13127-88-3 | Phenol-d6            | 119  |  | 30 (15) - 130 (107) | 79%  | SPK: 150 |
| 4165-60-0  | Nitrobenzene-d5      | 102  |  | 30 (18) - 130 (107) | 102% | SPK: 100 |
| 321-60-8   | 2-Fluorobiphenyl     | 87.8 |  | 30 (20) - 130 (109) | 88%  | SPK: 100 |
| 118-79-6   | 2,4,6-Tribromophenol | 143  |  | 30 (10) - 130 (116) | 95%  | SPK: 150 |
| 1718-51-0  | Terphenyl-d14        | 74.8 |  | 30 (10) - 130 (105) | 75%  | SPK: 100 |

### INTERNAL STANDARDS

|            |                        |         |        |
|------------|------------------------|---------|--------|
| 3855-82-1  | 1,4-Dichlorobenzene-d4 | 311000  | 6.887  |
| 1146-65-2  | Naphthalene-d8         | 1220000 | 8.163  |
| 15067-26-2 | Acenaphthene-d10       | 667000  | 9.916  |
| 1517-22-2  | Phenanthrene-d10       | 1170000 | 11.404 |
| 1719-03-5  | Chrysene-d12           | 950000  | 14.039 |
| 1520-96-3  | Perylene-d12           | 799000  | 15.509 |

### TENTATIVE IDENTIFIED COMPOUNDS

|             |                                 |     |   |      |       |
|-------------|---------------------------------|-----|---|------|-------|
| 006311-48-4 | (1,1-Biphenyl)-4,4-diamine, N,N | 130 | J | 17.1 | ug/Kg |
|-------------|---------------------------------|-----|---|------|-------|

## Report of Analysis

|                    |                     |                 |                  |
|--------------------|---------------------|-----------------|------------------|
| Client:            | G Environmental     | Date Collected: |                  |
| Project:           | Nelson              | Date Received:  |                  |
| Client Sample ID:  | PB166957BL          | SDG No.:        | Q1447            |
| Lab Sample ID:     | PB166957BL          | 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 |
| BF141825.D        | 1         | 03/03/25 13:15 | 03/04/25 14:15 | PB166957      |

| 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\BF030425\  
Data File : BF141825.D  
Acq On : 04 Mar 2025 14:15  
Operator : RC/JU  
Sample : PB166957BL  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
PB166957BL

Quant Time: Mar 04 14:44:46 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF022725.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Feb 28 01:48:16 2025  
Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-----------------------------|--------|------|----------|---------|-------|----------|
| -----                       |        |      |          |         |       |          |
| Internal Standards          |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 6.887  | 152  | 311350   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.163  | 136  | 1222403  | 20.000  | ng    | -0.01    |
| 39) Acenaphthene-d10        | 9.916  | 164  | 667294   | 20.000  | ng    | -0.01    |
| 64) Phenanthrene-d10        | 11.404 | 188  | 1172173  | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12            | 14.039 | 240  | 949625   | 20.000  | ng    | -0.01    |
| 86) Perylene-d12            | 15.509 | 264  | 798686   | 20.000  | ng    | -0.01    |
|                             |        |      |          |         |       |          |
| System Monitoring Compounds |        |      |          |         |       |          |
| 5) 2-Fluorophenol           | 5.516  | 112  | 2432538  | 124.771 | ng    | 0.02     |
| 7) Phenol-d6                | 6.504  | 99   | 3022065  | 119.092 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.445  | 82   | 1945265  | 101.719 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.704 | 330  | 895521   | 142.948 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl        | 9.239  | 172  | 3655439  | 87.837  | ng    | 0.00     |
| 79) Terphenyl-d14           | 12.992 | 244  | 4392756  | 74.841  | ng    | 0.00     |

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

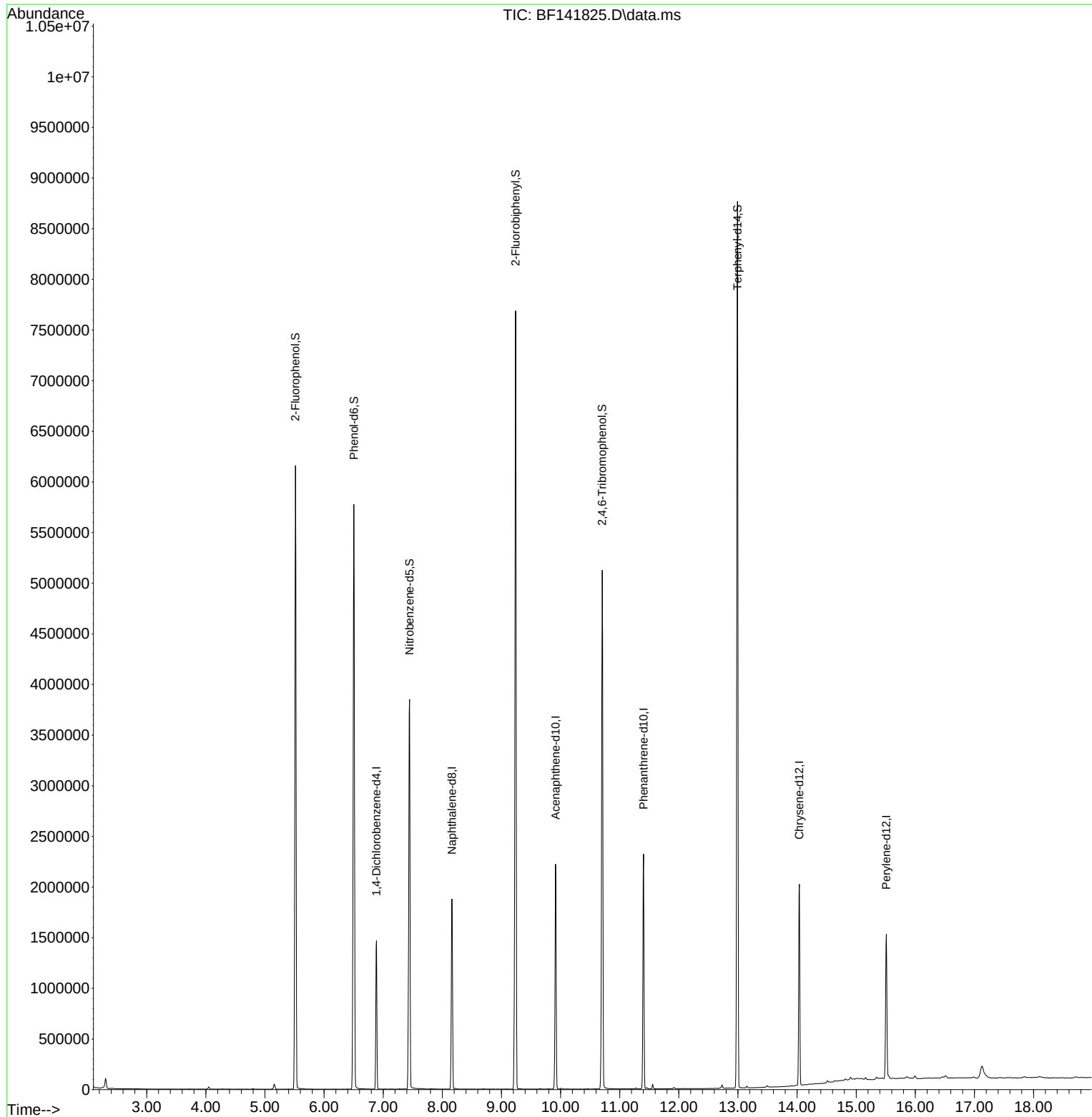
(#) = qualifier out of range (m) = manual integration (+) = signals summed

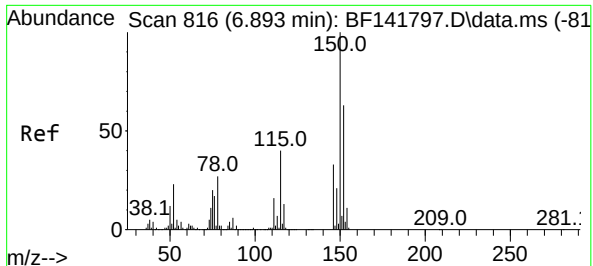


Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF030425\  
Data File : BF141825.D  
Acq On : 04 Mar 2025 14:15  
Operator : RC/JU  
Sample : PB166957BL  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
PB166957BL

Quant Time: Mar 04 14:44:46 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF022725.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Feb 28 01:48:16 2025  
Response via : Initial Calibration

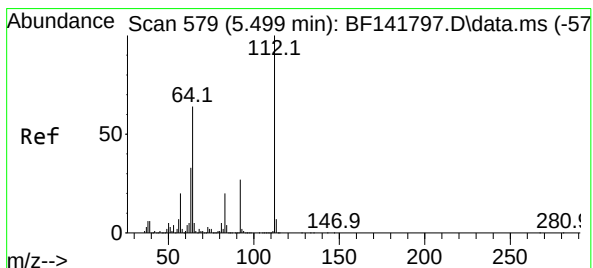
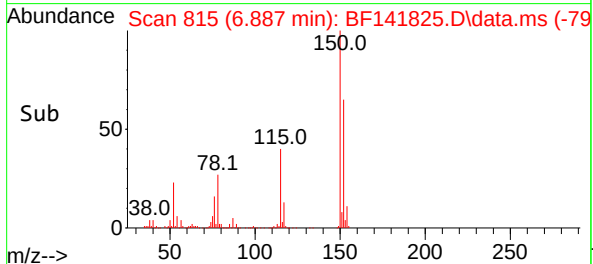
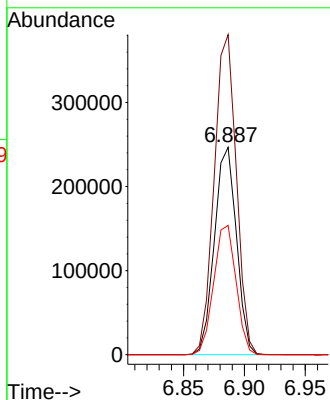
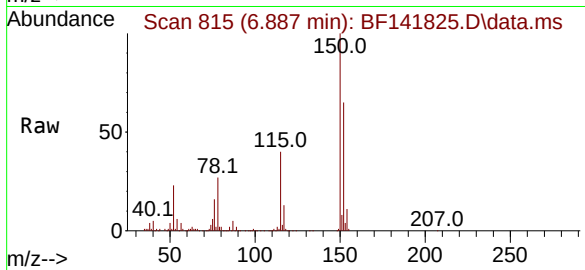




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.887 min Scan# 816  
 Delta R.T. -0.006 min  
 Lab File: BF141825.D  
 Acq: 04 Mar 2025 14:15

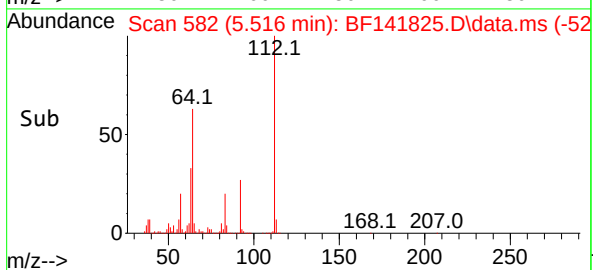
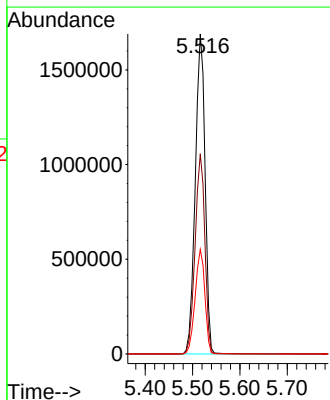
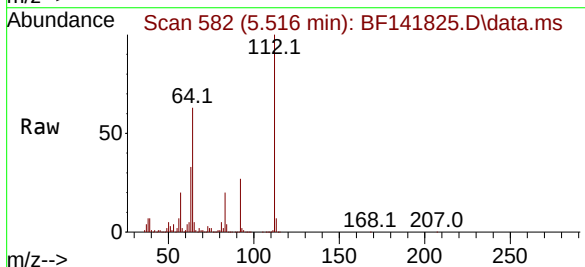
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB166957BL

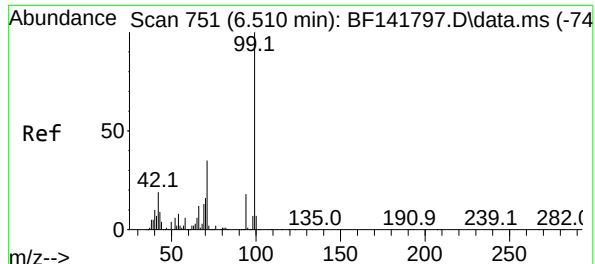
Tgt Ion:152 Resp: 311350  
 Ion Ratio Lower Upper  
 152 100  
 150 154.3 127.5 191.3  
 115 62.3 51.4 77.2



#5  
 2-Fluorophenol  
 Concen: 124.771 ng  
 RT: 5.516 min Scan# 582  
 Delta R.T. 0.017 min  
 Lab File: BF141825.D  
 Acq: 04 Mar 2025 14:15

Tgt Ion:112 Resp: 2432538  
 Ion Ratio Lower Upper  
 112 100  
 64 62.5 51.3 76.9  
 63 32.7 26.2 39.4





#7

Phenol-d6

Concen: 119.092 ng

RT: 6.504 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF141825.D

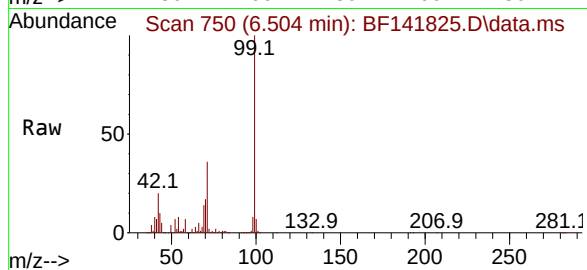
Acq: 04 Mar 2025 14:15

Instrument :

BNA\_F

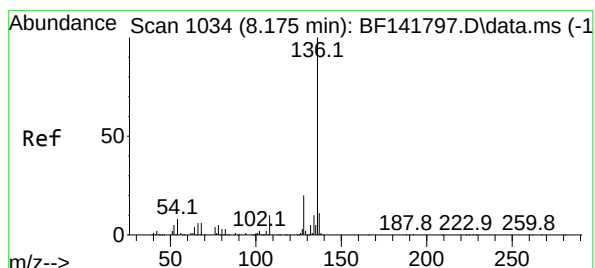
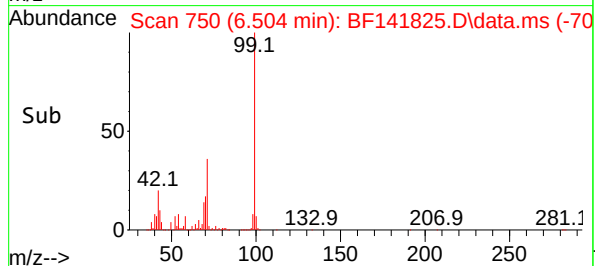
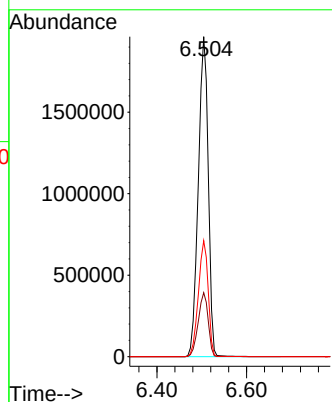
ClientSampleId :

PB166957BL



Tgt Ion: 99 Resp: 3022065

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 20.0  | 15.2  | 22.8  |
| 71  | 36.3  | 28.2  | 42.2  |



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.163 min Scan# 1032

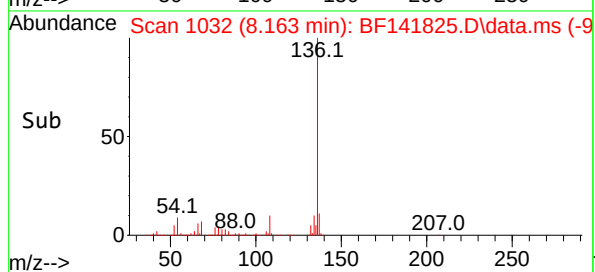
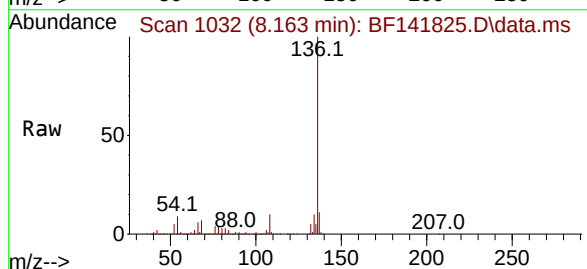
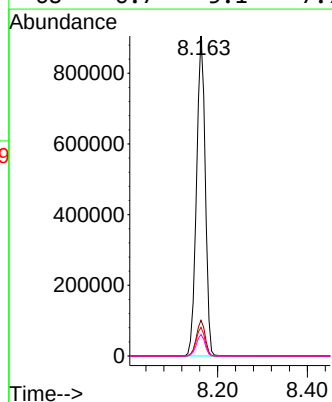
Delta R.T. -0.012 min

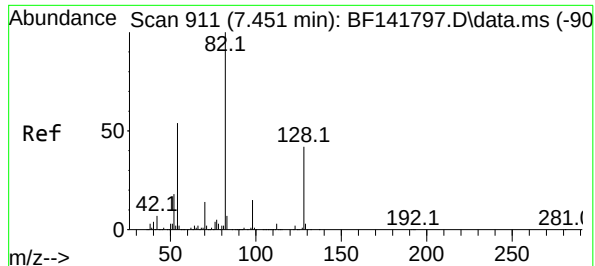
Lab File: BF141825.D

Acq: 04 Mar 2025 14:15

Tgt Ion: 136 Resp: 1222403

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 11.2  | 8.9   | 13.3  |
| 54  | 8.9   | 6.9   | 10.3  |
| 68  | 6.7   | 5.1   | 7.7   |





#23

Nitrobenzene-d5

Concen: 101.719 ng

RT: 7.445 min Scan# 911

Delta R.T. -0.006 min

Lab File: BF141825.D

Acq: 04 Mar 2025 14:15

Instrument :

BNA\_F

ClientSampleId :

PB166957BL

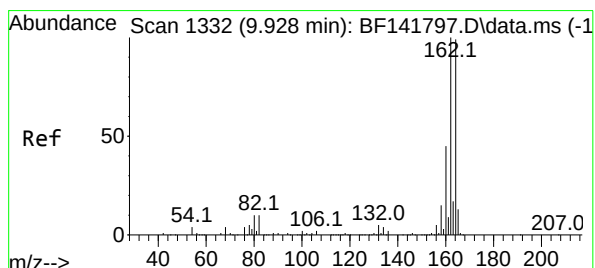
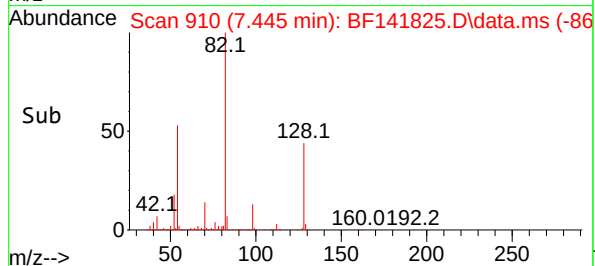
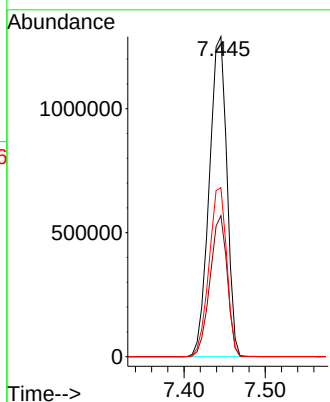
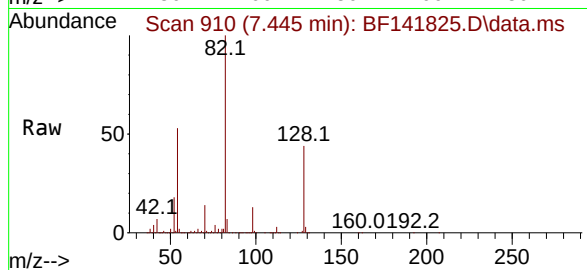
Tgt Ion: 82 Resp: 1945265

Ion Ratio Lower Upper

82 100

128 44.0 33.5 50.3

54 52.8 42.7 64.1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.916 min Scan# 1330

Delta R.T. -0.012 min

Lab File: BF141825.D

Acq: 04 Mar 2025 14:15

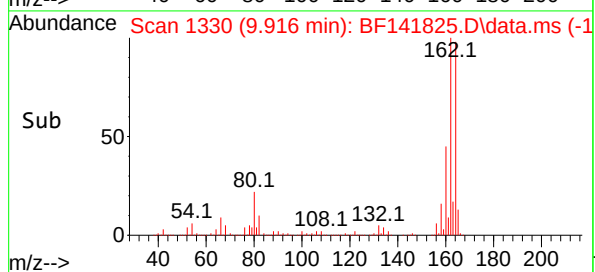
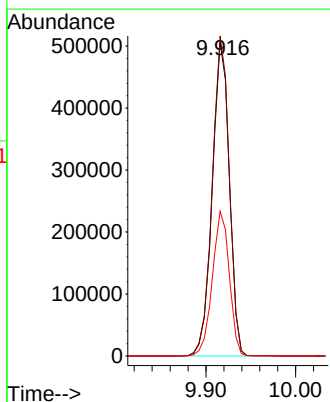
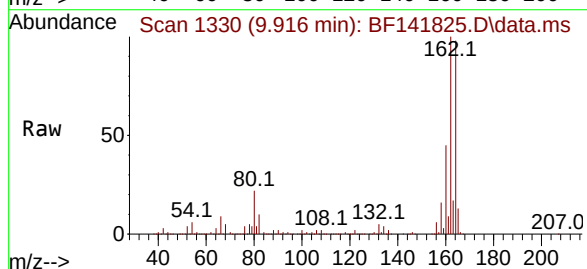
Tgt Ion: 164 Resp: 667294

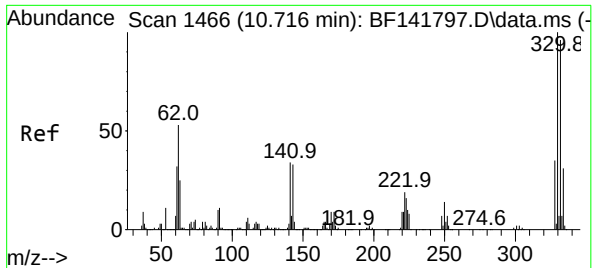
Ion Ratio Lower Upper

164 100

162 101.8 80.6 120.8

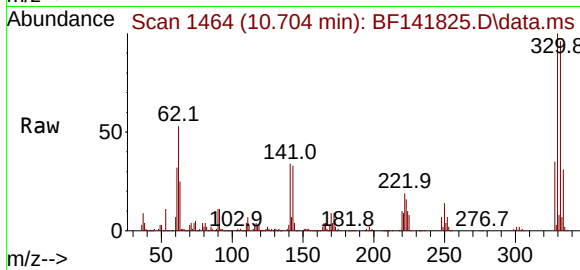
160 46.0 36.3 54.5



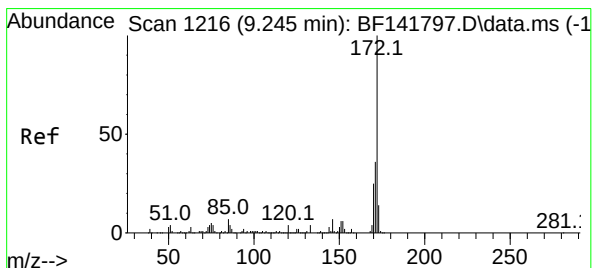
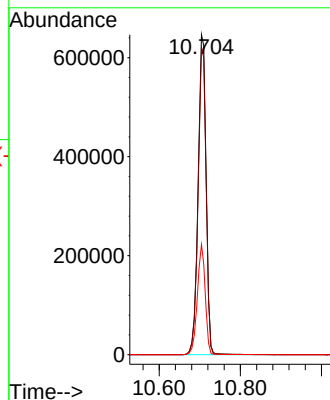
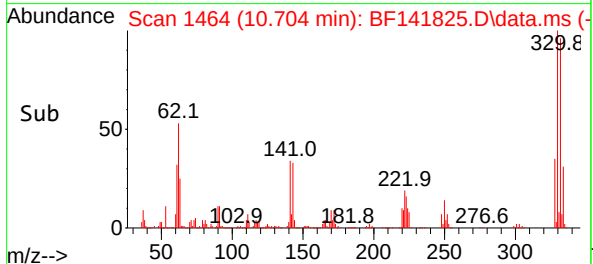


#42  
2,4,6-Tribromophenol  
Concen: 142.948 ng  
RT: 10.704 min Scan# 1464  
Delta R.T. -0.012 min  
Lab File: BF141825.D  
Acq: 04 Mar 2025 14:15

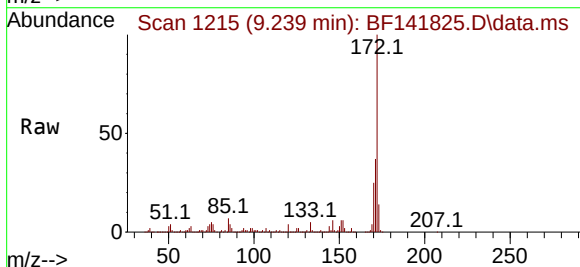
Instrument :  
BNA\_F  
ClientSampleId :  
PB166957BL



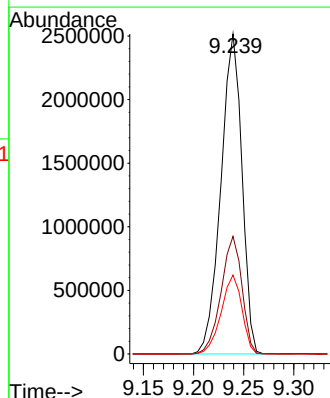
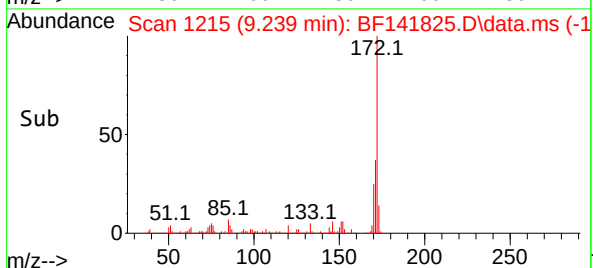
Tgt Ion:330 Resp: 895521  
Ion Ratio Lower Upper  
330 100  
332 95.9 76.6 115.0  
141 33.9 29.0 43.4

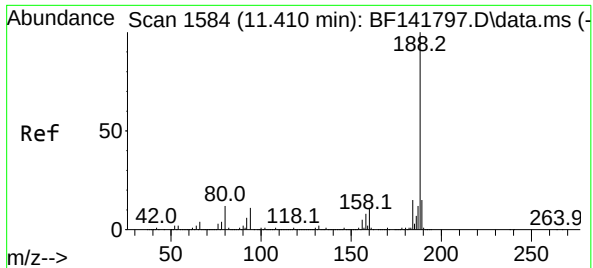


#45  
2-Fluorobiphenyl  
Concen: 87.837 ng  
RT: 9.239 min Scan# 1215  
Delta R.T. -0.006 min  
Lab File: BF141825.D  
Acq: 04 Mar 2025 14:15



Tgt Ion:172 Resp: 3655439  
Ion Ratio Lower Upper  
172 100  
171 36.8 29.2 43.8  
170 24.6 19.7 29.5

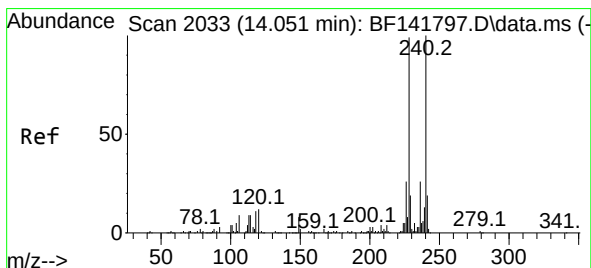
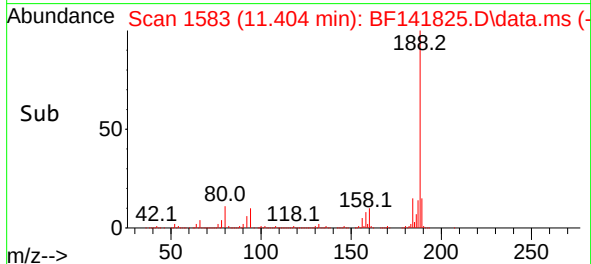
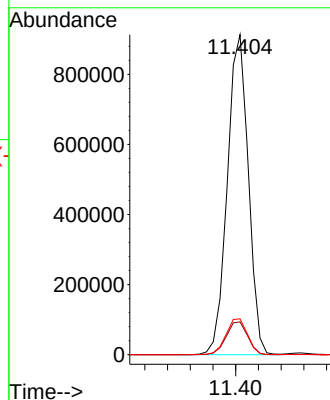
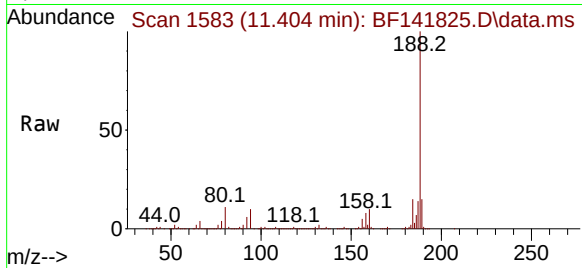




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.404 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF141825.D  
Acq: 04 Mar 2025 14:15

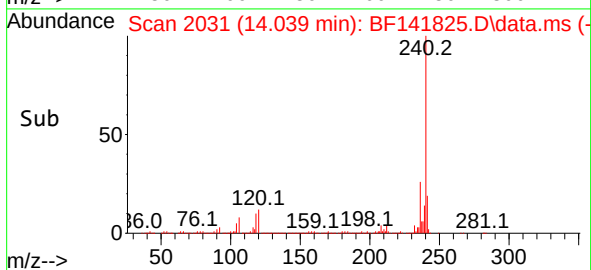
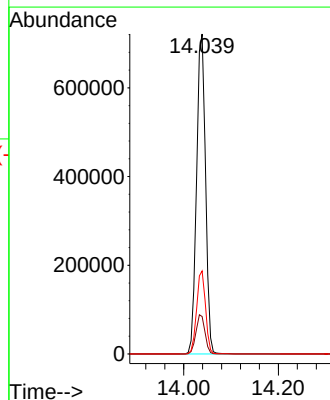
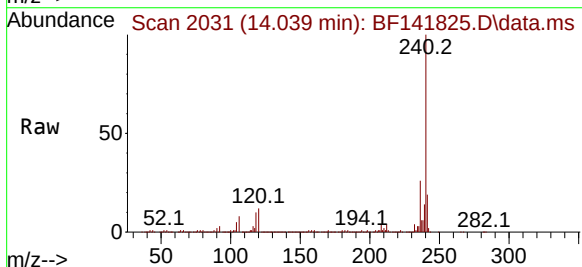
Instrument :  
BNA\_F  
ClientSampleId :  
PB166957BL

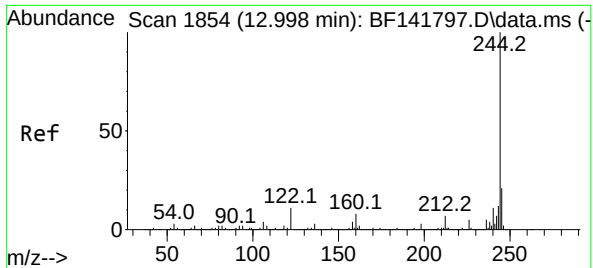
Tgt Ion:188 Resp: 1172173  
Ion Ratio Lower Upper  
188 100  
94 10.2 8.9 13.3  
80 11.2 9.7 14.5



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.039 min Scan# 2031  
Delta R.T. -0.012 min  
Lab File: BF141825.D  
Acq: 04 Mar 2025 14:15

Tgt Ion:240 Resp: 949625  
Ion Ratio Lower Upper  
240 100  
120 11.7 9.7 14.5  
236 26.0 21.0 31.4





#79

Terphenyl-d14

Concen: 74.841 ng

RT: 12.992 min Scan# 1853

Delta R.T. -0.006 min

Lab File: BF141825.D

Acq: 04 Mar 2025 14:15

Instrument :

BNA\_F

ClientSampleId :

PB166957BL

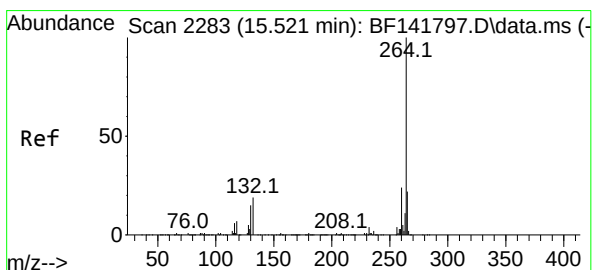
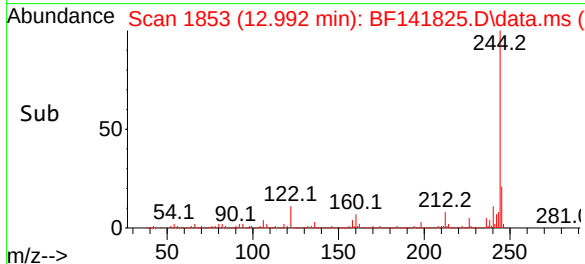
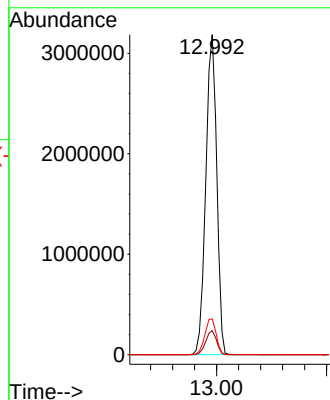
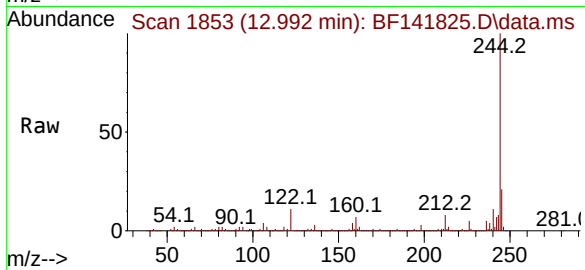
Tgt Ion:244 Resp: 4392756

Ion Ratio Lower Upper

244 100

212 7.5 6.0 9.0

122 11.2 9.0 13.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.509 min Scan# 2281

Delta R.T. -0.012 min

Lab File: BF141825.D

Acq: 04 Mar 2025 14:15

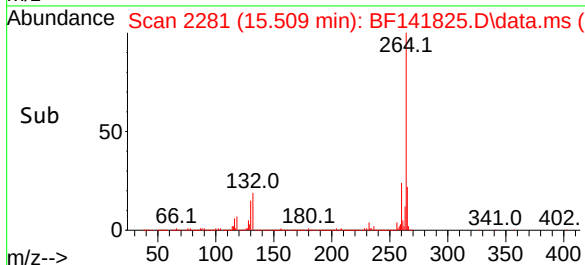
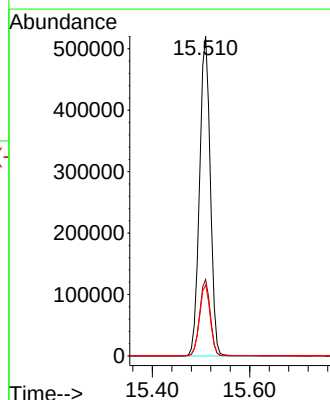
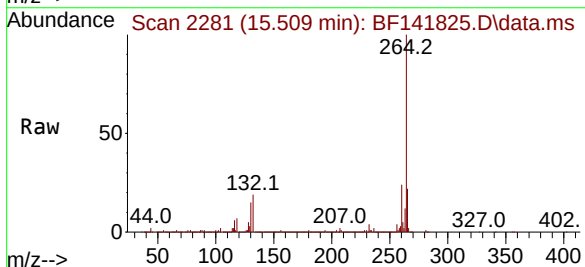
Tgt Ion:264 Resp: 798686

Ion Ratio Lower Upper

264 100

260 23.9 18.9 28.3

265 22.2 17.4 26.0



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF030425\  
 Data File : BF141825.D  
 Acq On : 04 Mar 2025 14:15  
 Operator : RC/JU  
 Sample : PB166957BL  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB166957BL

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-BF022725.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF141825.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         | 2.304       | 30            | 36          | 46           | rVB      | 97038          | 175727        | 1.45%           | 0.253%        |
| 2         | 5.516       | 575           | 582         | 587          | rBV      | 6158503        | 8787423       | 72.73%          | 12.662%       |
| 3         | 6.504       | 742           | 750         | 755          | rBV      | 5773518        | 8822327       | 73.02%          | 12.713%       |
| 4         | 6.887       | 809           | 815         | 820          | rBV      | 1467071        | 1879167       | 15.55%          | 2.708%        |
| 5         | 7.445       | 902           | 910         | 915          | rBV      | 3849584        | 5813337       | 48.11%          | 8.377%        |
| 6         | 8.163       | 1025          | 1032        | 1037         | rBV      | 1877477        | 2521176       | 20.87%          | 3.633%        |
| 7         | 9.239       | 1207          | 1215        | 1220         | rBV      | 7684662        | 11094651      | 91.83%          | 15.987%       |
| 8         | 9.916       | 1322          | 1330        | 1335         | rBV      | 2220245        | 2919367       | 24.16%          | 4.207%        |
| 9         | 10.704      | 1456          | 1464        | 1469         | rBV      | 5122588        | 7023179       | 58.13%          | 10.120%       |
| 10        | 11.404      | 1575          | 1583        | 1588         | rBV      | 2318567        | 2997849       | 24.81%          | 4.320%        |
| 11        | 12.992      | 1846          | 1853        | 1858         | rBV      | 8752830        | 12082313      | 100.00%         | 17.410%       |
| 12        | 14.039      | 2025          | 2031        | 2036         | rBV      | 1983555        | 2633715       | 21.80%          | 3.795%        |
| 13        | 15.510      | 2274          | 2281        | 2287         | rBV      | 1427351        | 2206518       | 18.26%          | 3.179%        |
| 14        | 17.127      | 2550          | 2556        | 2576         | rVB2     | 112504         | 441842        | 3.66%           | 0.637%        |

Sum of corrected areas: 69398591

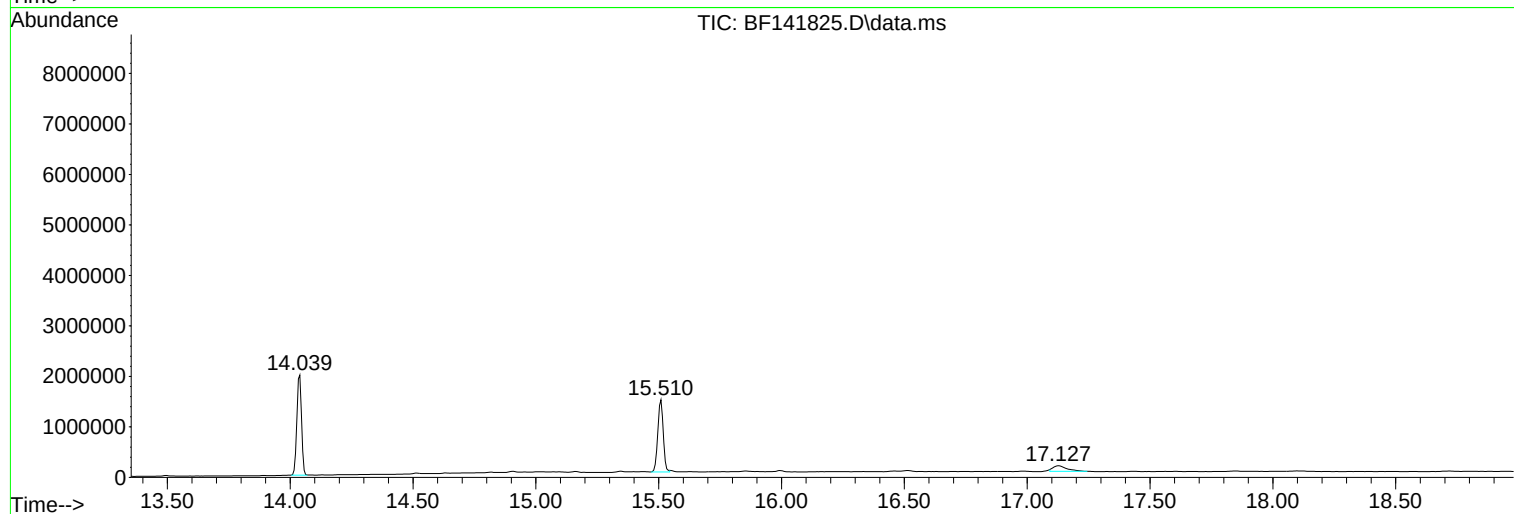
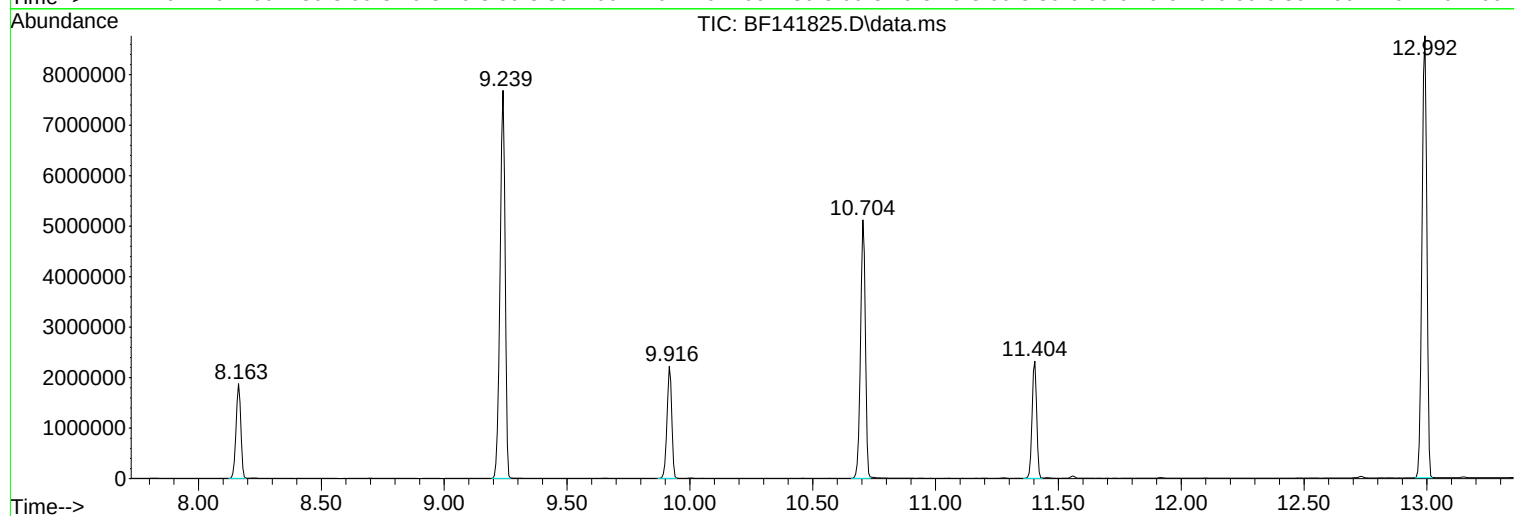
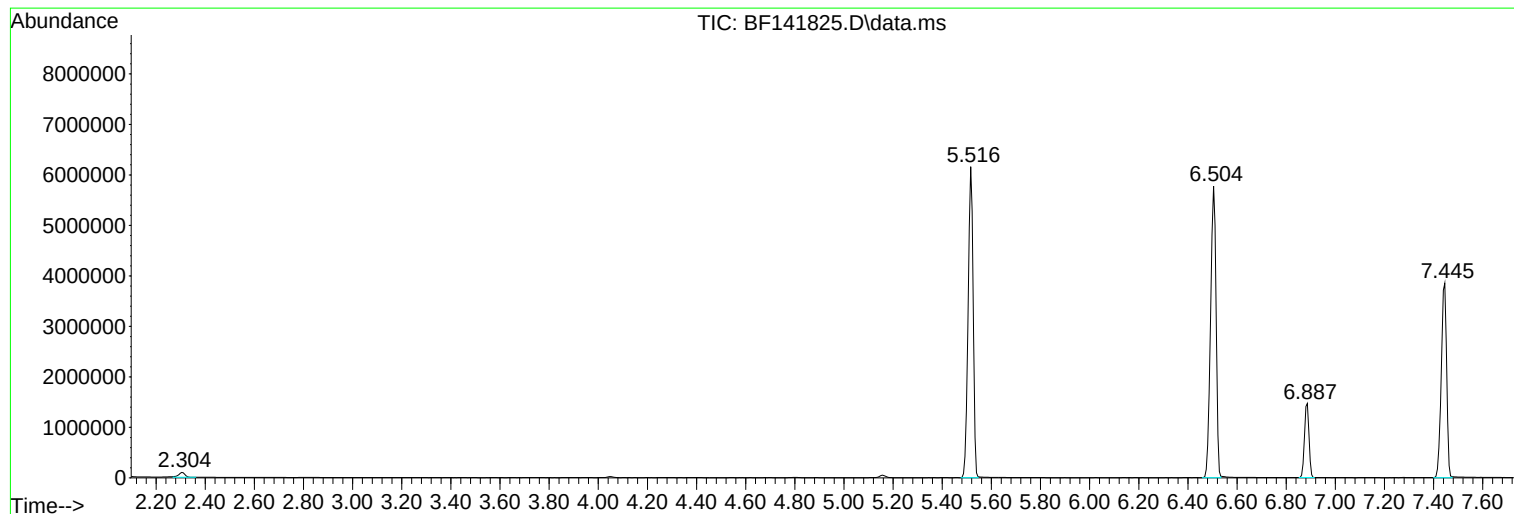


Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF030425\  
Data File : BF141825.D  
Acq On : 04 Mar 2025 14:15  
Operator : RC/JU  
Sample : PB166957BL  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
PB166957BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF022725.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\BF030425\  
Data File : BF141825.D  
Acq On : 04 Mar 2025 14:15  
Operator : RC/JU  
Sample : PB166957BL  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
PB166957BL

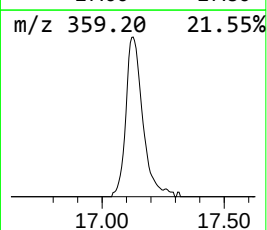
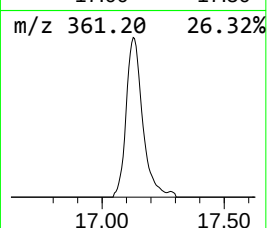
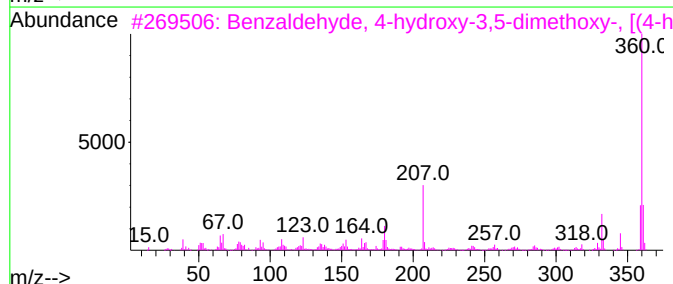
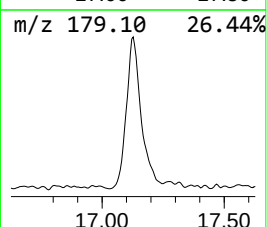
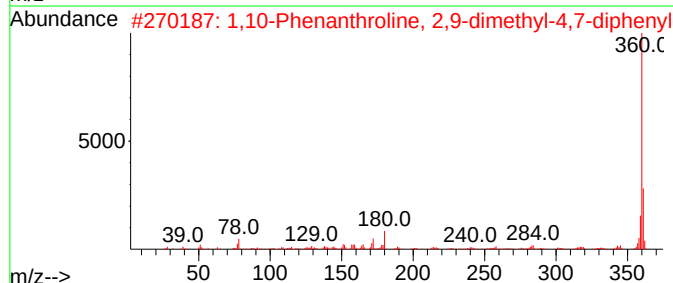
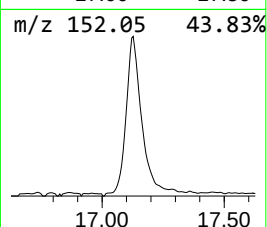
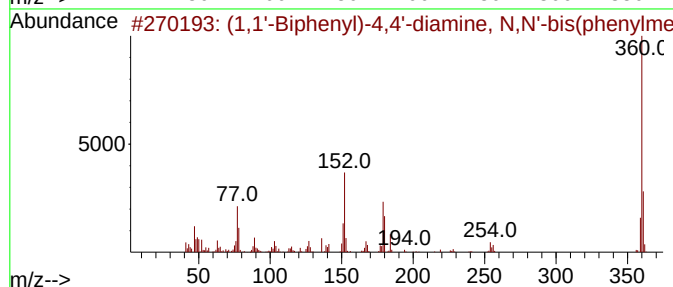
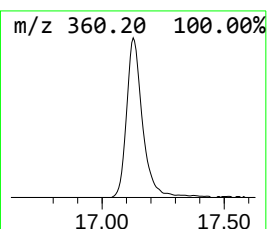
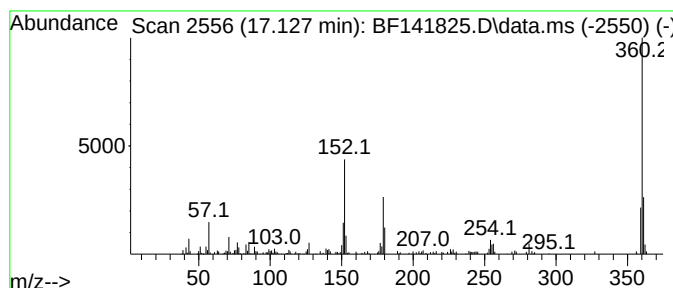
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF022725.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*

Peak Number 1 (1,1'-Biphenyl)-4,4'-diamin... Concentration Rank 1

| R.T.      | EstConc                             | Area   | Relative to ISTD | R.T.         |      |
|-----------|-------------------------------------|--------|------------------|--------------|------|
| 17.127    | 4.00 ng                             | 441842 | Perylene-d12     | 15.509       |      |
| Hit# of 5 | Tentative ID                        | MW     | MolForm          | CAS#         | Qual |
| 1         | (1,1'-Biphenyl)-4,4'-diamine, N...  | 360    | C26H20N2         | 006311-48-4  | 93   |
| 2         | 1,10-Phenanthroline, 2,9-dimethy... | 360    | C26H20N2         | 004733-39-5  | 53   |
| 3         | Benzaldehyde, 4-hydroxy-3,5-dime... | 360    | C18H20N2O6       | 014414-32-5  | 49   |
| 4         | N,N'-di-2-Naphthyl-p-phenylenedi... | 360    | C26H20N2         | 000093-46-9  | 46   |
| 5         | Ethene, 1-(anthracen-9-yl)-2-(4-... | 360    | C27H20O          | 1000163-55-1 | 43   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF030425\  
Data File : BF141825.D  
Acq On : 04 Mar 2025 14:15  
Operator : RC/JU  
Sample : PB166957BL  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
PB166957BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF022725.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 |
| (1,1'-Biphenyl)... | 17.127 | 4.0     | ng    | 441842   | 6                     | 15.509 | 2206520 | 20.0 |

## Report of Analysis

|                    |                        |                 |                              |
|--------------------|------------------------|-----------------|------------------------------|
| Client:            | G Environmental        | Date Collected: |                              |
| Project:           | Nelson                 | Date Received:  |                              |
| Client Sample ID:  | PB166957BS             | SDG No.:        | Q1447                        |
| Lab Sample ID:     | PB166957BS             | Matrix:         | SOIL                         |
| Analytical Method: | SW8270                 | % Solid:        | 100                          |
| Sample Wt/Vol:     | 30.03      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 |
| BF141826.D        | 1         | 03/03/25 13:15 | 03/04/25 14:44 | PB166957      |

| CAS Number     | Parameter                   | Conc. | Qualifier | MDL  | LOQ / CRQL | Units(Dry Weight) |
|----------------|-----------------------------|-------|-----------|------|------------|-------------------|
| <b>TARGETS</b> |                             |       |           |      |            |                   |
| 100-52-7       | Benzaldehyde                | 830   |           | 180  | 330        | ug/Kg             |
| 108-95-2       | Phenol                      | 1400  |           | 82.8 | 170        | ug/Kg             |
| 111-44-4       | bis(2-Chloroethyl)ether     | 1400  |           | 83.6 | 170        | ug/Kg             |
| 95-57-8        | 2-Chlorophenol              | 1400  |           | 83.4 | 170        | ug/Kg             |
| 95-48-7        | 2-Methylphenol              | 1400  |           | 80.5 | 170        | ug/Kg             |
| 108-60-1       | 2,2-oxybis(1-Chloropropane) | 1400  |           | 90.8 | 170        | ug/Kg             |
| 98-86-2        | Acetophenone                | 1500  |           | 86.8 | 170        | ug/Kg             |
| 65794-96-9     | 3+4-Methylphenols           | 1400  |           | 79.7 | 330        | ug/Kg             |
| 621-64-7       | n-Nitroso-di-n-propylamine  | 1300  |           | 40.3 | 79.9       | ug/Kg             |
| 67-72-1        | Hexachloroethane            | 1400  |           | 82.9 | 170        | ug/Kg             |
| 98-95-3        | Nitrobenzene                | 1500  |           | 90.7 | 170        | ug/Kg             |
| 78-59-1        | Isophorone                  | 1400  |           | 84.5 | 170        | ug/Kg             |
| 88-75-5        | 2-Nitrophenol               | 1500  |           | 94.4 | 170        | ug/Kg             |
| 105-67-9       | 2,4-Dimethylphenol          | 1700  |           | 93.1 | 170        | ug/Kg             |
| 111-91-1       | bis(2-Chloroethoxy)methane  | 1300  |           | 85.7 | 170        | ug/Kg             |
| 120-83-2       | 2,4-Dichlorophenol          | 1400  |           | 75.4 | 170        | ug/Kg             |
| 91-20-3        | Naphthalene                 | 1300  |           | 82.5 | 170        | ug/Kg             |
| 106-47-8       | 4-Chloroaniline             | 500   |           | 82.5 | 170        | ug/Kg             |
| 87-68-3        | Hexachlorobutadiene         | 1400  |           | 83.2 | 170        | ug/Kg             |
| 105-60-2       | Caprolactam                 | 1600  |           | 86.7 | 330        | ug/Kg             |
| 59-50-7        | 4-Chloro-3-methylphenol     | 1400  |           | 77.4 | 170        | ug/Kg             |
| 91-57-6        | 2-Methylnaphthalene         | 1300  |           | 82.4 | 170        | ug/Kg             |
| 77-47-4        | Hexachlorocyclopentadiene   | 4700  | E         | 160  | 330        | ug/Kg             |
| 88-06-2        | 2,4,6-Trichlorophenol       | 1500  |           | 71.3 | 170        | ug/Kg             |
| 95-95-4        | 2,4,5-Trichlorophenol       | 1500  |           | 73.9 | 170        | ug/Kg             |
| 92-52-4        | 1,1-Biphenyl                | 1500  |           | 87.3 | 170        | ug/Kg             |
| 91-58-7        | 2-Chloronaphthalene         | 1400  |           | 83.2 | 170        | ug/Kg             |
| 88-74-4        | 2-Nitroaniline              | 1600  |           | 94.9 | 170        | ug/Kg             |
| 131-11-3       | Dimethylphthalate           | 1400  |           | 81.6 | 170        | ug/Kg             |

## Report of Analysis

|                    |                        |                 |                              |
|--------------------|------------------------|-----------------|------------------------------|
| Client:            | G Environmental        | Date Collected: |                              |
| Project:           | Nelson                 | Date Received:  |                              |
| Client Sample ID:  | PB166957BS             | SDG No.:        | Q1447                        |
| Lab Sample ID:     | PB166957BS             | Matrix:         | SOIL                         |
| Analytical Method: | SW8270                 | % Solid:        | 100                          |
| Sample Wt/Vol:     | 30.03      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 |
| BF141826.D        | 1         | 03/03/25 13:15 | 03/04/25 14:44 | PB166957      |

| CAS Number | Parameter                  | Conc. | Qualifier | MDL  | LOQ / CRQL | Units(Dry Weight) |
|------------|----------------------------|-------|-----------|------|------------|-------------------|
| 208-96-8   | Acenaphthylene             | 1500  |           | 86.4 | 170        | ug/Kg             |
| 606-20-2   | 2,6-Dinitrotoluene         | 1500  |           | 83.1 | 170        | ug/Kg             |
| 99-09-2    | 3-Nitroaniline             | 950   |           | 89.1 | 170        | ug/Kg             |
| 83-32-9    | Acenaphthene               | 1500  |           | 81.0 | 170        | ug/Kg             |
| 51-28-5    | 2,4-Dinitrophenol          | 3200  | E         | 240  | 330        | ug/Kg             |
| 100-02-7   | 4-Nitrophenol              | 3800  | E         | 120  | 330        | ug/Kg             |
| 132-64-9   | Dibenzofuran               | 1300  |           | 84.3 | 170        | ug/Kg             |
| 121-14-2   | 2,4-Dinitrotoluene         | 1700  |           | 86.1 | 170        | ug/Kg             |
| 84-66-2    | Diethylphthalate           | 1300  |           | 80.0 | 170        | ug/Kg             |
| 7005-72-3  | 4-Chlorophenyl-phenylether | 1400  |           | 85.5 | 170        | ug/Kg             |
| 86-73-7    | Fluorene                   | 1400  |           | 85.4 | 170        | ug/Kg             |
| 100-01-6   | 4-Nitroaniline             | 1800  |           | 110  | 170        | ug/Kg             |
| 534-52-1   | 4,6-Dinitro-2-methylphenol | 1600  |           | 120  | 330        | ug/Kg             |
| 86-30-6    | n-Nitrosodiphenylamine     | 1400  |           | 81.5 | 170        | ug/Kg             |
| 101-55-3   | 4-Bromophenyl-phenylether  | 1400  |           | 78.8 | 170        | ug/Kg             |
| 118-74-1   | Hexachlorobenzene          | 1400  |           | 84.9 | 170        | ug/Kg             |
| 1912-24-9  | Atrazine                   | 1900  |           | 91.3 | 170        | ug/Kg             |
| 87-86-5    | Pentachlorophenol          | 2900  | E         | 77.2 | 330        | ug/Kg             |
| 85-01-8    | Phenanthrene               | 1400  |           | 83.9 | 170        | ug/Kg             |
| 120-12-7   | Anthracene                 | 1400  |           | 84.3 | 170        | ug/Kg             |
| 86-74-8    | Carbazole                  | 1500  |           | 80.2 | 170        | ug/Kg             |
| 84-74-2    | Di-n-butylphthalate        | 1300  |           | 84.2 | 170        | ug/Kg             |
| 206-44-0   | Fluoranthene               | 1400  |           | 81.6 | 170        | ug/Kg             |
| 129-00-0   | Pyrene                     | 1400  |           | 82.9 | 170        | ug/Kg             |
| 85-68-7    | Butylbenzylphthalate       | 1500  |           | 96.7 | 170        | ug/Kg             |
| 91-94-1    | 3,3-Dichlorobenzidine      | 900   |           | 98.5 | 330        | ug/Kg             |
| 56-55-3    | Benzo(a)anthracene         | 1400  |           | 80.6 | 170        | ug/Kg             |
| 218-01-9   | Chrysene                   | 1400  |           | 79.4 | 170        | ug/Kg             |
| 117-81-7   | Bis(2-ethylhexyl)phthalate | 1500  |           | 90.9 | 170        | ug/Kg             |
| 117-84-0   | Di-n-octyl phthalate       | 1400  |           | 110  | 330        | ug/Kg             |
| 205-99-2   | Benzo(b)fluoranthene       | 1400  |           | 81.0 | 170        | ug/Kg             |

## Report of Analysis

|                    |                        |                 |                              |
|--------------------|------------------------|-----------------|------------------------------|
| Client:            | G Environmental        | Date Collected: |                              |
| Project:           | Nelson                 | Date Received:  |                              |
| Client Sample ID:  | PB166957BS             | SDG No.:        | Q1447                        |
| Lab Sample ID:     | PB166957BS             | Matrix:         | SOIL                         |
| Analytical Method: | SW8270                 | % Solid:        | 100                          |
| Sample Wt/Vol:     | 30.03      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 |
| BF141826.D        | 1         | 03/03/25 13:15 | 03/04/25 14:44 | PB166957      |

| CAS Number                | Parameter                  | Conc.   | Qualifier | MDL                 | LOQ / CRQL | Units(Dry Weight) |
|---------------------------|----------------------------|---------|-----------|---------------------|------------|-------------------|
| 207-08-9                  | Benzo(k)fluoranthene       | 1400    |           | 82.5                | 170        | ug/Kg             |
| 50-32-8                   | Benzo(a)pyrene             | 1500    |           | 92.9                | 170        | ug/Kg             |
| 193-39-5                  | Indeno(1,2,3-cd)pyrene     | 1500    |           | 78.0                | 170        | ug/Kg             |
| 53-70-3                   | Dibenzo(a,h)anthracene     | 1400    |           | 81.1                | 170        | ug/Kg             |
| 191-24-2                  | Benzo(g,h,i)perylene       | 1400    |           | 80.0                | 170        | ug/Kg             |
| 95-94-3                   | 1,2,4,5-Tetrachlorobenzene | 1500    |           | 86.7                | 170        | ug/Kg             |
| 123-91-1                  | 1,4-Dioxane                | 1300    |           | 110                 | 170        | ug/Kg             |
| 58-90-2                   | 2,3,4,6-Tetrachlorophenol  | 1500    |           | 74.6                | 170        | ug/Kg             |
| <b>SURROGATES</b>         |                            |         |           |                     |            |                   |
| 367-12-4                  | 2-Fluorophenol             | 125     |           | 30 (18) - 130 (112) | 84%        | SPK: 150          |
| 13127-88-3                | Phenol-d6                  | 123     |           | 30 (15) - 130 (107) | 82%        | SPK: 150          |
| 4165-60-0                 | Nitrobenzene-d5            | 104     |           | 30 (18) - 130 (107) | 104%       | SPK: 100          |
| 321-60-8                  | 2-Fluorobiphenyl           | 90.1    |           | 30 (20) - 130 (109) | 90%        | SPK: 100          |
| 118-79-6                  | 2,4,6-Tribromophenol       | 147     |           | 30 (10) - 130 (116) | 98%        | SPK: 150          |
| 1718-51-0                 | Terphenyl-d14              | 89.1    |           | 30 (10) - 130 (105) | 89%        | SPK: 100          |
| <b>INTERNAL STANDARDS</b> |                            |         |           |                     |            |                   |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4     | 309000  | 6.887     |                     |            |                   |
| 1146-65-2                 | Naphthalene-d8             | 1220000 | 8.169     |                     |            |                   |
| 15067-26-2                | Acenaphthene-d10           | 648000  | 9.922     |                     |            |                   |
| 1517-22-2                 | Phenanthrene-d10           | 1070000 | 11.404    |                     |            |                   |
| 1719-03-5                 | Chrysene-d12               | 723000  | 14.045    |                     |            |                   |
| 1520-96-3                 | Perylene-d12               | 587000  | 15.509    |                     |            |                   |

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\BF030425\  
 Data File : BF141826.D  
 Acq On : 04 Mar 2025 14:44  
 Operator : RC/JU  
 Sample : PB166957BS  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB166957BS

Quant Time: Mar 04 15:06:47 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF022725.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Feb 28 01:48:16 2025  
 Response via : Initial Calibration

| Compound                  | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|---------------------------|--------|------|----------|--------|-------|----------|
| -----                     |        |      |          |        |       |          |
| Internal Standards        |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4 | 6.887  | 152  | 309118   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.169  | 136  | 1216990  | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 9.922  | 164  | 647778   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 11.404 | 188  | 1070678  | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12          | 14.045 | 240  | 723159   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12          | 15.509 | 264  | 587091   | 20.000 | ng    | -0.01    |

|                             |        |     |         |         |    |      |
|-----------------------------|--------|-----|---------|---------|----|------|
| System Monitoring Compounds |        |     |         |         |    |      |
| 5) 2-Fluorophenol           | 5.516  | 112 | 2428234 | 125.449 | ng | 0.02 |
| 7) Phenol-d6                | 6.510  | 99  | 3110955 | 123.480 | ng | 0.00 |
| 23) Nitrobenzene-d5         | 7.445  | 82  | 1985045 | 104.261 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol    | 10.710 | 330 | 891755  | 146.635 | ng | 0.00 |
| 45) 2-Fluorobiphenyl        | 9.239  | 172 | 3638167 | 90.056  | ng | 0.00 |
| 79) Terphenyl-d14           | 12.992 | 244 | 3981121 | 89.069  | ng | 0.00 |

|                               |       |     |         |         |         |
|-------------------------------|-------|-----|---------|---------|---------|
| Target Compounds              |       |     |         |         | Qvalue  |
| 2) 1,4-Dioxane                | 2.810 | 88  | 343919  | 39.158  | ng 99   |
| 3) Pyridine                   | 3.563 | 79  | 850208  | 38.906  | ng 99   |
| 4) n-Nitrosodimethylamine     | 3.504 | 42  | 451717  | 42.961  | ng 94   |
| 6) Aniline                    | 6.551 | 93  | 867546  | 33.122  | ng 100  |
| 8) 2-Chlorophenol             | 6.669 | 128 | 900005  | 42.982  | ng 98   |
| 9) Benzaldehyde               | 6.434 | 77  | 363128  | 24.779  | ng 99   |
| 10) Phenol                    | 6.522 | 94  | 1102271 | 40.943  | ng 97   |
| 11) bis(2-Chloroethyl)ether   | 6.622 | 93  | 848479  | 41.346  | ng 99   |
| 12) 1,3-Dichlorobenzene       | 6.828 | 146 | 927514  | 41.363  | ng 100  |
| 13) 1,4-Dichlorobenzene       | 6.904 | 146 | 940287  | 41.616  | ng 99   |
| 14) 1,2-Dichlorobenzene       | 7.057 | 146 | 908206  | 43.046  | ng 99   |
| 15) Benzyl Alcohol            | 7.022 | 79  | 806132  | 40.036  | ng 99   |
| 16) 2,2'-oxybis(1-Chloropr... | 7.157 | 45  | 1285320 | 41.242  | ng 99   |
| 17) 2-Methylphenol            | 7.134 | 107 | 738248  | 42.714  | ng 99   |
| 18) Hexachloroethane          | 7.398 | 117 | 351592  | 41.576  | ng 99   |
| 19) n-Nitroso-di-n-propyla... | 7.298 | 70  | 648751  | 39.172  | ng 98   |
| 20) 3+4-Methylphenols         | 7.287 | 107 | 897325  | 41.694  | ng # 82 |
| 22) Acetophenone              | 7.292 | 105 | 1326666 | 44.759  | ng 97   |
| 24) Nitrobenzene              | 7.469 | 77  | 938224  | 46.018  | ng 100  |
| 25) Isophorone                | 7.704 | 82  | 1752788 | 42.852  | ng 100  |
| 26) 2-Nitrophenol             | 7.781 | 139 | 410123  | 45.311  | ng 99   |
| 27) 2,4-Dimethylphenol        | 7.810 | 122 | 785686  | 52.255  | ng 100  |
| 28) bis(2-Chloroethoxy)met... | 7.916 | 93  | 1057325 | 40.523  | ng 100  |
| 29) 2,4-Dichlorophenol        | 8.016 | 162 | 740307  | 42.679  | ng 99   |
| 30) 1,2,4-Trichlorobenzene    | 8.104 | 180 | 793857  | 41.766  | ng 99   |
| 31) Naphthalene               | 8.186 | 128 | 2527358 | 40.407  | ng 100  |
| 32) Benzoic acid              | 7.934 | 122 | 600862  | 47.899  | ng 97   |
| 33) 4-Chloroaniline           | 8.233 | 127 | 345693  | 15.073  | ng 99   |
| 34) Hexachlorobutadiene       | 8.304 | 225 | 491553  | 41.617  | ng 98   |
| 35) Caprolactam               | 8.604 | 113 | 261127m | 48.936  | ng      |
| 36) 4-Chloro-3-methylphenol   | 8.710 | 107 | 794276  | 41.221  | ng 98   |
| 37) 2-Methylnaphthalene       | 8.881 | 142 | 1606734 | 39.163  | ng 100  |
| 38) 1-Methylnaphthalene       | 8.980 | 142 | 1574965 | 40.008  | ng 99   |
| 40) 1,2,4,5-Tetrachloroben... | 9.045 | 216 | 853302  | 45.610  | ng 99   |
| 41) Hexachlorocyclopentadiene | 9.033 | 237 | 1098585 | 140.707 | ng 100  |
| 43) 2,4,6-Trichlorophenol     | 9.151 | 196 | 538491  | 44.559  | ng 100  |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF030425\  
 Data File : BF141826.D  
 Acq On : 04 Mar 2025 14:44  
 Operator : RC/JU  
 Sample : PB166957BS  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB166957BS

Quant Time: Mar 04 15:06:47 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF022725.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Feb 28 01:48:16 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.192  | 196  | 545918   | 45.619  | ng    | 99       |
| 46) 1,1'-Biphenyl             | 9.345  | 154  | 2247408  | 45.581  | ng    | 100      |
| 47) 2-Chloronaphthalene       | 9.369  | 162  | 1567251  | 43.066  | ng    | 98       |
| 48) 2-Nitroaniline            | 9.457  | 65   | 478794   | 48.059  | ng    | 99       |
| 49) Acenaphthylene            | 9.786  | 152  | 2419425  | 44.342  | ng    | 100      |
| 50) Dimethylphthalate         | 9.645  | 163  | 1793109  | 41.335  | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 9.704  | 165  | 381103   | 46.046  | ng    | 95       |
| 52) Acenaphthene              | 9.957  | 154  | 1709248  | 46.426  | ng    | 99       |
| 53) 3-Nitroaniline            | 9.869  | 138  | 240809   | 28.525  | ng    | # 97     |
| 54) 2,4-Dinitrophenol         | 9.975  | 184  | 397720   | 97.096  | ng    | # 1      |
| 55) Dibenzofuran              | 10.127 | 168  | 2159728  | 40.304  | ng    | 100      |
| 56) 4-Nitrophenol             | 10.028 | 139  | 728478   | 113.699 | ng    | 96       |
| 57) 2,4-Dinitrotoluene        | 10.104 | 165  | 516243   | 50.715  | ng    | 98       |
| 58) Fluorene                  | 10.469 | 166  | 1673154  | 41.684  | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.239 | 232  | 453528   | 43.576  | ng    | 99       |
| 60) Diethylphthalate          | 10.345 | 149  | 1736070  | 39.920  | ng    | 100      |
| 61) 4-Chlorophenyl-phenyle... | 10.463 | 204  | 820428   | 40.795  | ng    | 99       |
| 62) 4-Nitroaniline            | 10.486 | 138  | 402567   | 54.340  | ng    | 96       |
| 63) Azobenzene                | 10.622 | 77   | 1798212  | 39.271  | ng    | 99       |
| 65) 4,6-Dinitro-2-methylph... | 10.510 | 198  | 251389   | 49.545  | ng    | 99       |
| 66) n-Nitrosodiphenylamine    | 10.580 | 169  | 1482764  | 42.175  | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 10.951 | 248  | 520971   | 41.658  | ng    | 98       |
| 68) Hexachlorobenzene         | 11.016 | 284  | 562016   | 42.558  | ng    | 99       |
| 69) Atrazine                  | 11.104 | 200  | 560941   | 58.020  | ng    | 98       |
| 70) Pentachlorophenol         | 11.210 | 266  | 730696   | 87.240  | ng    | 100      |
| 71) Phenanthrene              | 11.433 | 178  | 2435929  | 42.534  | ng    | 100      |
| 72) Anthracene                | 11.486 | 178  | 2486891  | 43.327  | ng    | 100      |
| 73) Carbazole                 | 11.633 | 167  | 2212995  | 43.660  | ng    | 100      |
| 74) Di-n-butylphthalate       | 11.969 | 149  | 2543275  | 39.584  | ng    | 100      |
| 75) Fluoranthene              | 12.616 | 202  | 2525462  | 43.036  | ng    | 99       |
| 77) Benzidine                 | 12.733 | 184  | 831114   | 91.311  | ng    | 99       |
| 78) Pyrene                    | 12.845 | 202  | 2573723  | 41.100  | ng    | 100      |
| 80) Butylbenzylphthalate      | 13.463 | 149  | 1003521  | 44.108  | ng    | 100      |
| 81) Benzo(a)anthracene        | 14.033 | 228  | 1997580  | 41.820  | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine    | 13.992 | 252  | 372226   | 27.161  | ng    | 100      |
| 83) Chrysene                  | 14.068 | 228  | 1825435  | 41.457  | ng    | 100      |
| 84) Bis(2-ethylhexyl)phtha... | 14.021 | 149  | 1263650  | 44.606  | ng    | 99       |
| 85) Di-n-octyl phthalate      | 14.633 | 149  | 1842435  | 43.441  | ng    | 100      |
| 87) Indeno(1,2,3-cd)pyrene    | 17.004 | 276  | 1654234  | 44.250  | ng    | 99       |
| 88) Benzo(b)fluoranthene      | 15.080 | 252  | 1687386  | 42.194  | ng    | 100      |
| 89) Benzo(k)fluoranthene      | 15.110 | 252  | 1380109  | 40.603  | ng    | 99       |
| 90) Benzo(a)pyrene            | 15.451 | 252  | 1432461  | 44.664  | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 17.021 | 278  | 1316988  | 43.159  | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 17.451 | 276  | 1291482  | 41.312  | ng    | 99       |

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

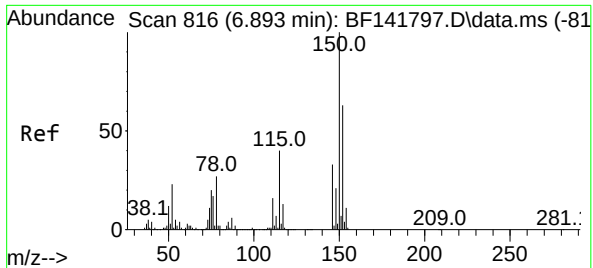


**Instrument :**  
BNA\_F  
**ClientSampleId :**  
PB166957BS

Abundance

TIC: BF141826.D\data.ms

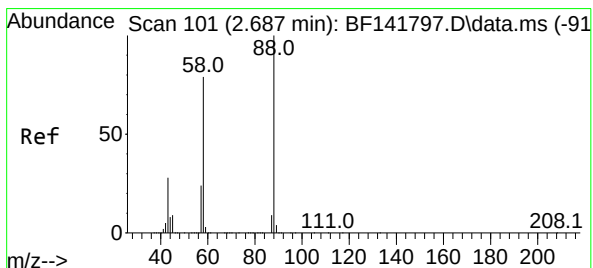
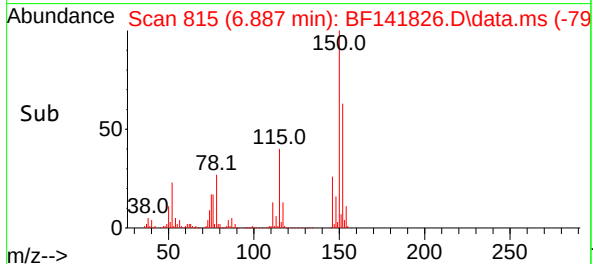
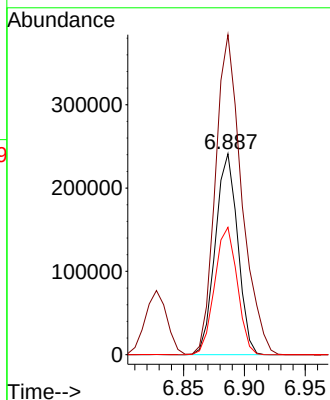
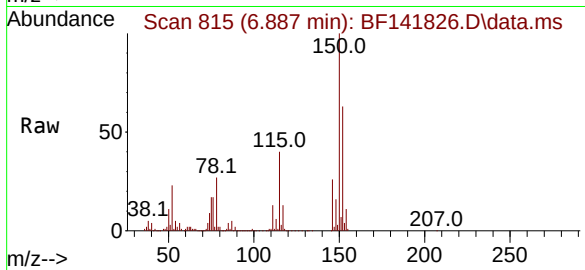
Time-->



#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.887 min Scan# 81  
 Delta R.T. -0.006 min  
 Lab File: BF141826.D  
 Acq: 04 Mar 2025 14:44

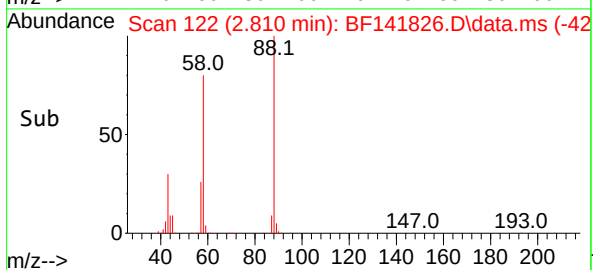
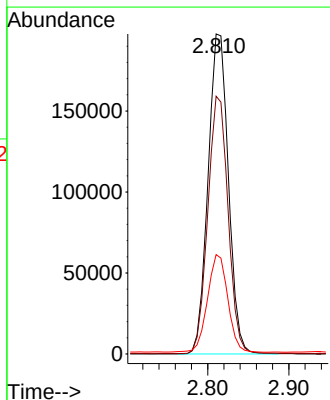
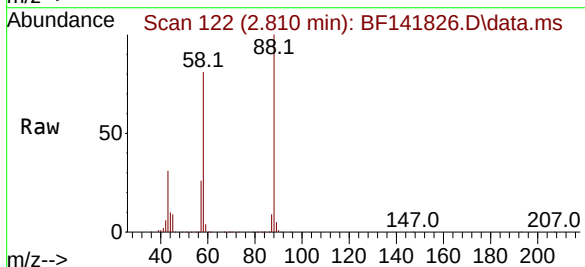
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB166957BS

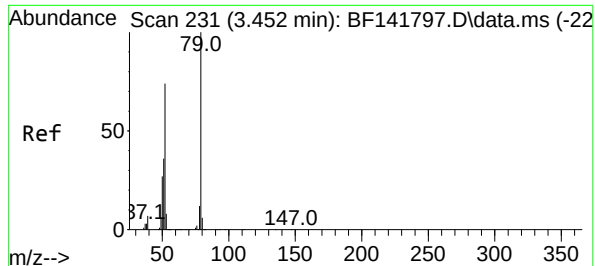
Tgt Ion:152 Resp: 309118  
 Ion Ratio Lower Upper  
 152 100  
 150 159.3 127.5 191.3  
 115 63.4 51.4 77.2



#2  
 1,4-Dioxane  
 Concen: 39.158 ng  
 RT: 2.810 min Scan# 122  
 Delta R.T. 0.123 min  
 Lab File: BF141826.D  
 Acq: 04 Mar 2025 14:44

Tgt Ion: 88 Resp: 343919  
 Ion Ratio Lower Upper  
 88 100  
 58 80.1 63.9 95.9  
 43 30.3 23.0 34.6

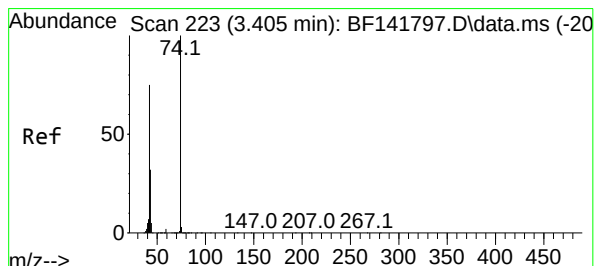
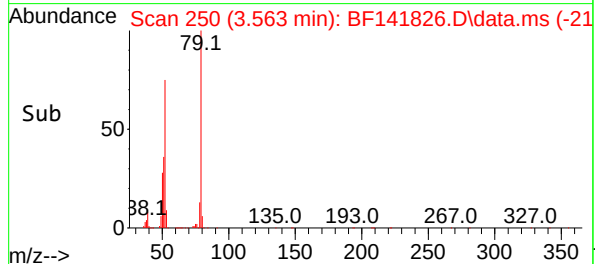
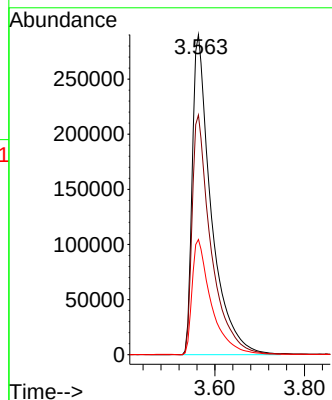
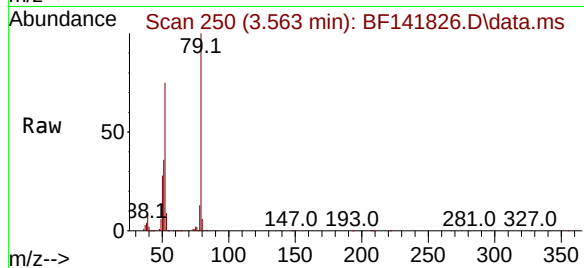




#3  
Pyridine  
Concen: 38.906 ng  
RT: 3.563 min Scan# 21  
Delta R.T. 0.112 min  
Lab File: BF141826.D  
Acq: 04 Mar 2025 14:44

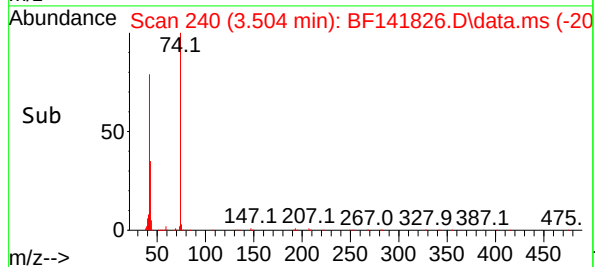
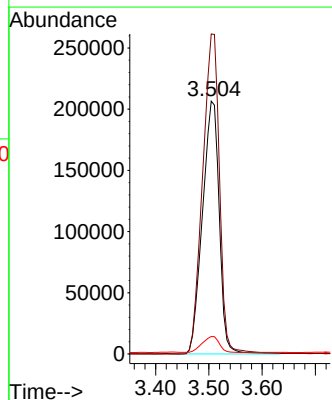
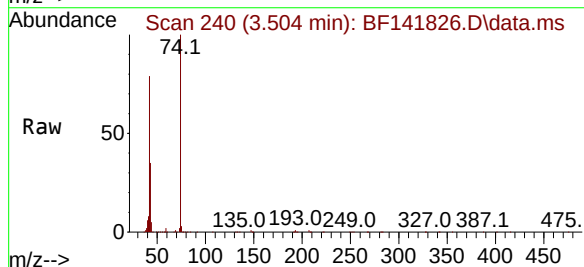
Instrument :  
BNA\_F  
ClientSampleId :  
PB166957BS

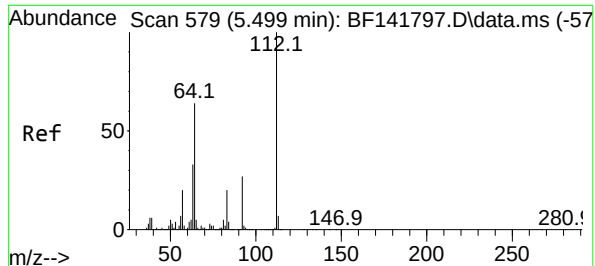
Tgt Ion: 79 Resp: 850208  
Ion Ratio Lower Upper  
79 100  
52 74.9 59.0 88.4  
51 36.0 29.0 43.4



#4  
n-Nitrosodimethylamine  
Concen: 42.961 ng  
RT: 3.504 min Scan# 240  
Delta R.T. 0.100 min  
Lab File: BF141826.D  
Acq: 04 Mar 2025 14:44

Tgt Ion: 42 Resp: 451717  
Ion Ratio Lower Upper  
42 100  
74 126.6 107.1 160.7  
44 6.9 6.6 9.8

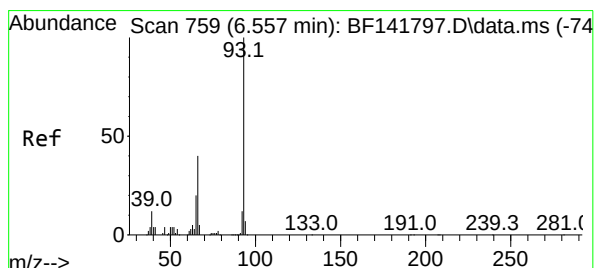
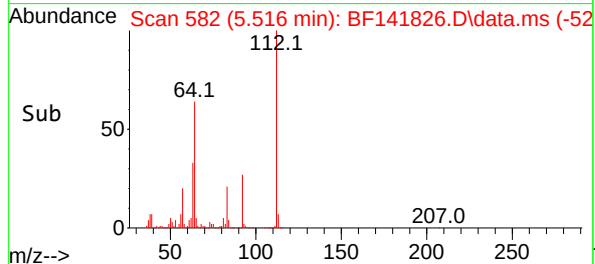
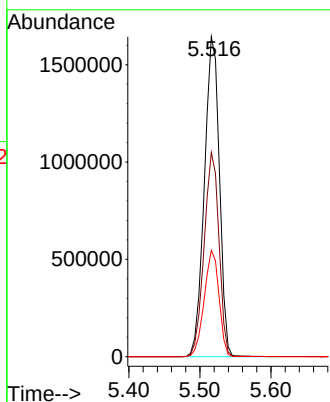
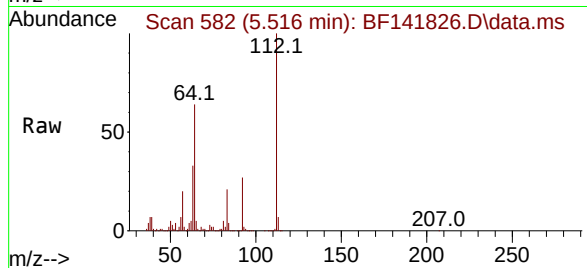




#5  
2-Fluorophenol  
Concen: 125.449 ng  
RT: 5.516 min Scan# 582  
Delta R.T. 0.017 min  
Lab File: BF141826.D  
Acq: 04 Mar 2025 14:44

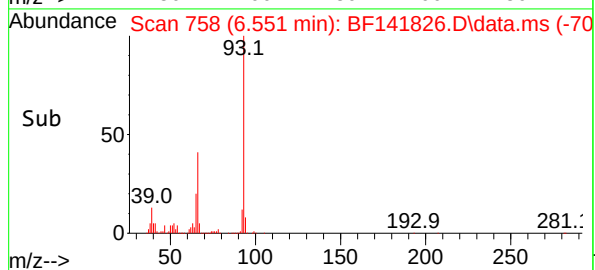
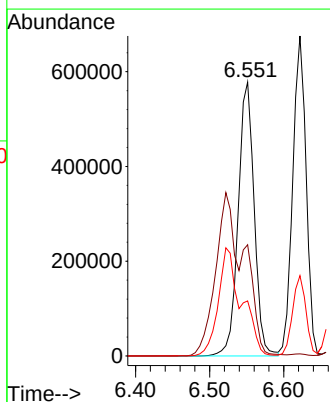
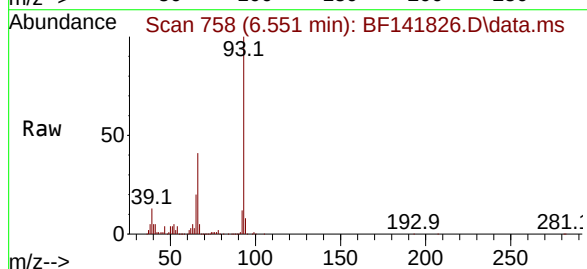
Instrument :  
BNA\_F  
ClientSampleId :  
PB166957BS

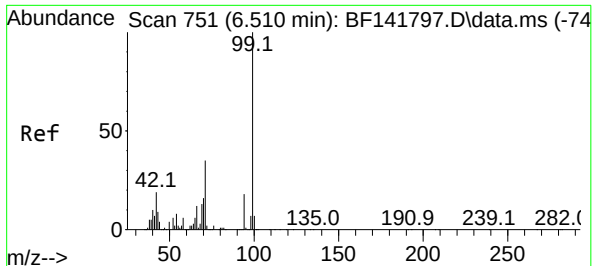
Tgt Ion:112 Resp: 2428234  
Ion Ratio Lower Upper  
112 100  
64 63.8 51.3 76.9  
63 33.3 26.2 39.4



#6  
Aniline  
Concen: 33.122 ng  
RT: 6.551 min Scan# 758  
Delta R.T. -0.006 min  
Lab File: BF141826.D  
Acq: 04 Mar 2025 14:44

Tgt Ion: 93 Resp: 867546  
Ion Ratio Lower Upper  
93 100  
66 40.6 32.3 48.5  
65 20.1 15.9 23.9

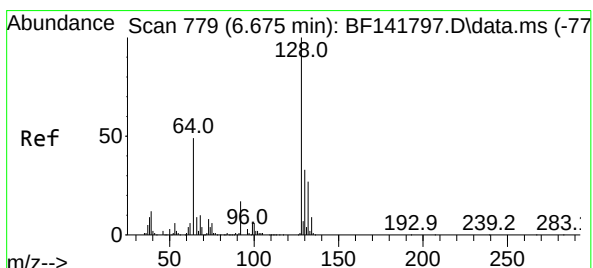
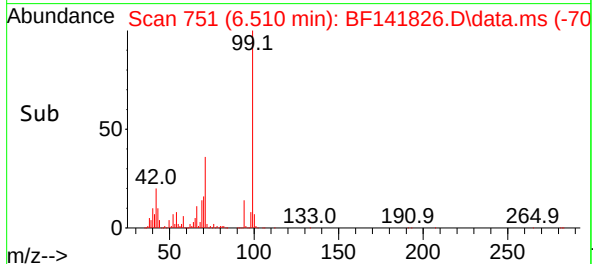
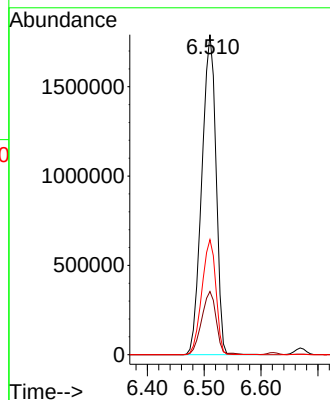
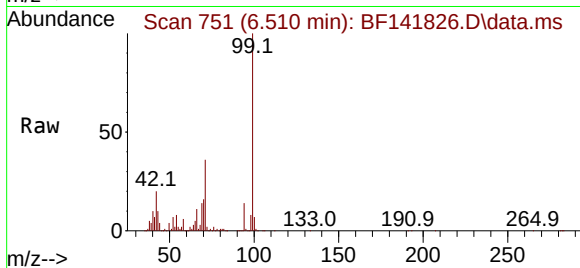




#7  
Phenol-d6  
Concen: 123.480 ng  
RT: 6.510 min Scan# 751  
Delta R.T. -0.000 min  
Lab File: BF141826.D  
Acq: 04 Mar 2025 14:44

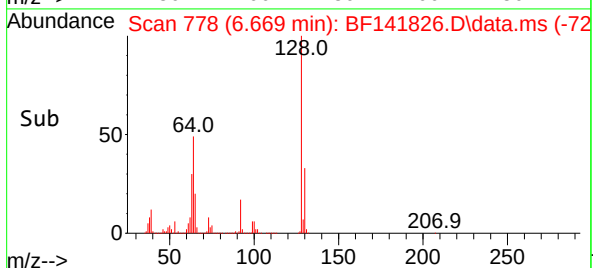
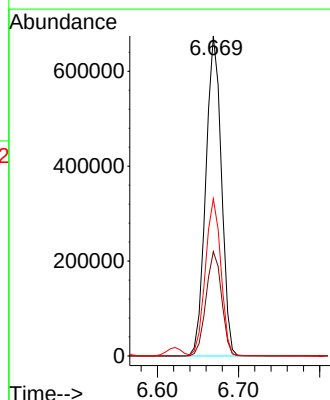
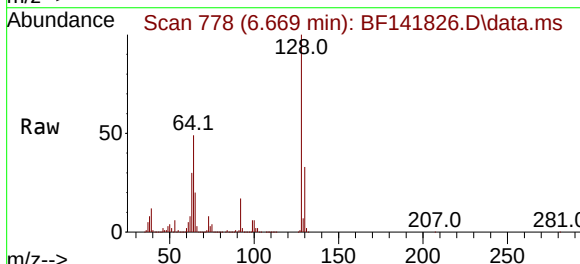
Instrument :  
BNA\_F  
ClientSampleId :  
PB166957BS

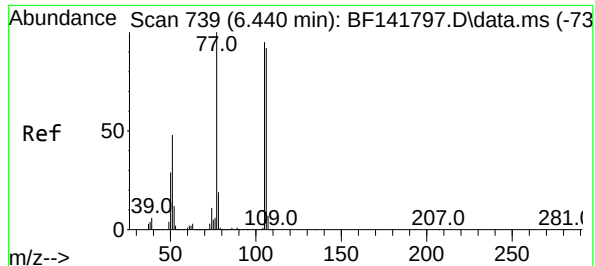
Tgt Ion: 99 Resp: 3110955  
Ion Ratio Lower Upper  
99 100  
42 19.8 15.2 22.8  
71 36.0 28.2 42.2



#8  
2-Chlorophenol  
Concen: 42.982 ng  
RT: 6.669 min Scan# 778  
Delta R.T. -0.006 min  
Lab File: BF141826.D  
Acq: 04 Mar 2025 14:44

Tgt Ion: 128 Resp: 900005  
Ion Ratio Lower Upper  
128 100  
130 32.6 12.6 52.6  
64 49.1 31.1 71.1

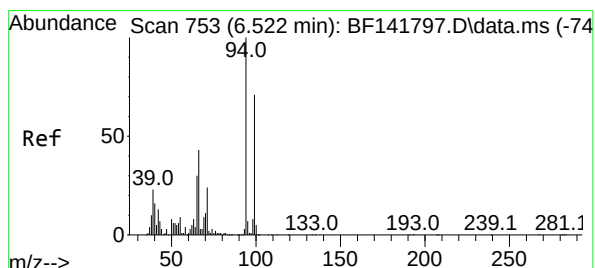
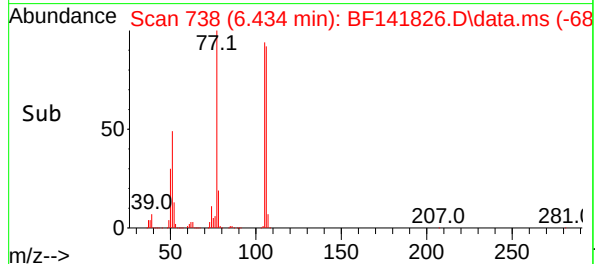
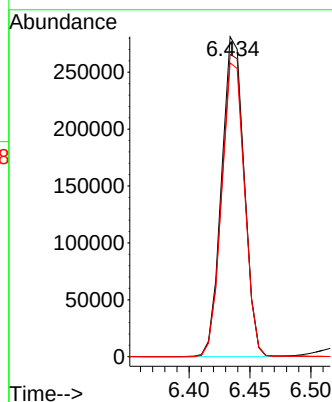
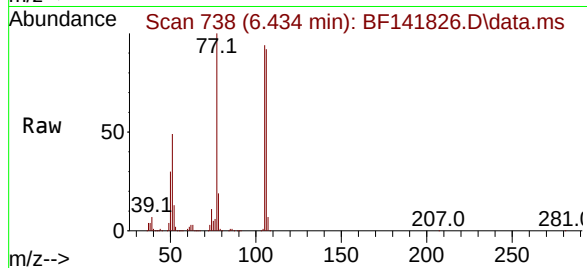




#9  
Benzaldehyde  
Concen: 24.779 ng  
RT: 6.434 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: BF141826.D  
Acq: 04 Mar 2025 14:44

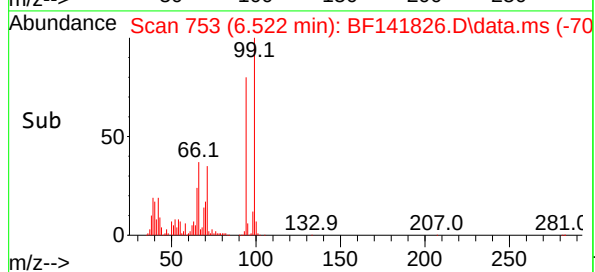
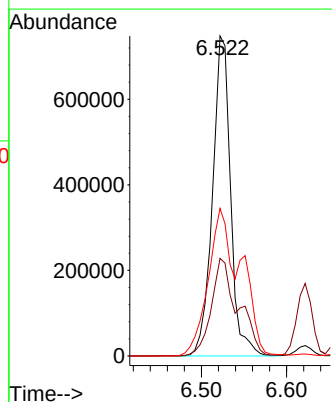
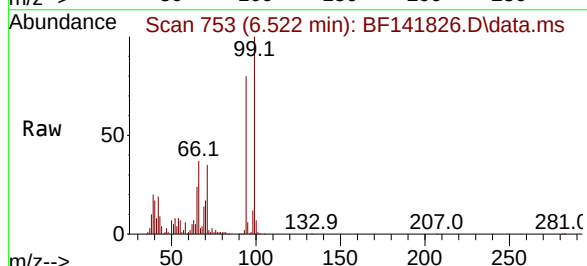
Instrument :  
BNA\_F  
ClientSampleId :  
PB166957BS

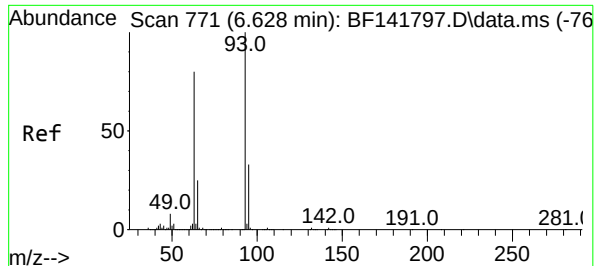
Tgt Ion: 77 Resp: 363128  
Ion Ratio Lower Upper  
77 100  
105 94.5 75.3 115.3  
106 91.8 72.3 112.3



#10  
Phenol  
Concen: 40.943 ng  
RT: 6.522 min Scan# 753  
Delta R.T. -0.000 min  
Lab File: BF141826.D  
Acq: 04 Mar 2025 14:44

Tgt Ion: 94 Resp: 1102271  
Ion Ratio Lower Upper  
94 100  
65 30.5 10.2 50.2  
66 46.1 23.2 63.2

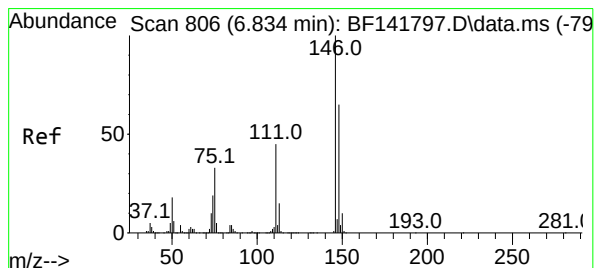
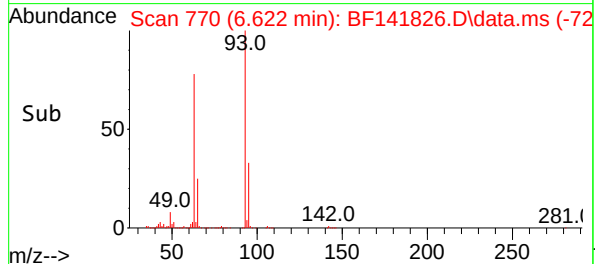
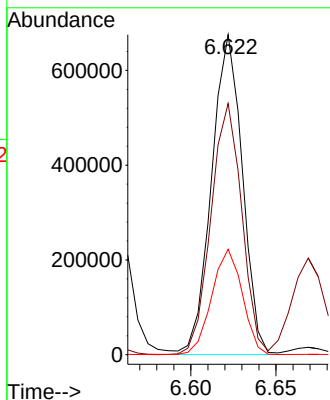
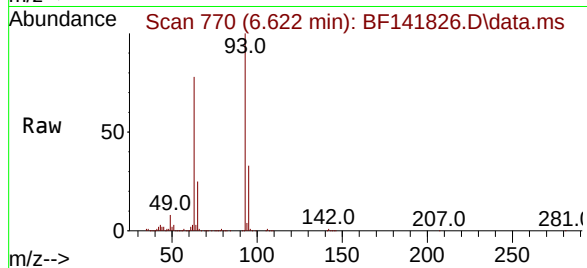




#11  
bis(2-Chloroethyl)ether  
Concen: 41.346 ng  
RT: 6.622 min Scan# 771  
Delta R.T. -0.006 min  
Lab File: BF141826.D  
Acq: 04 Mar 2025 14:44

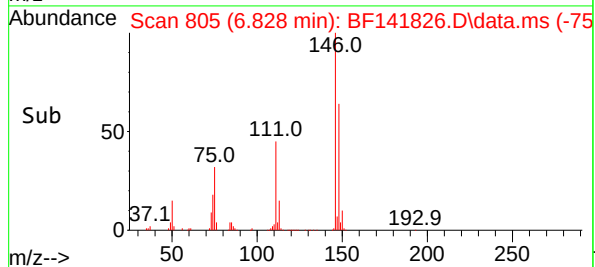
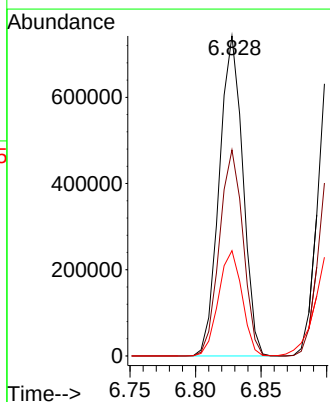
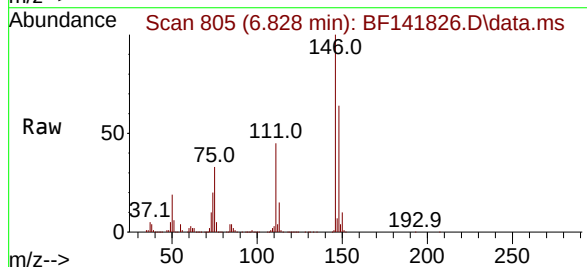
Instrument :  
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ClientSampleId :  
PB166957BS

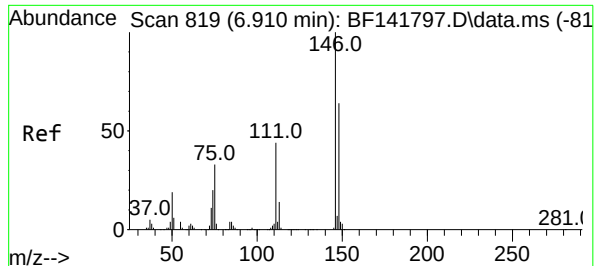
Tgt Ion: 93 Resp: 848479  
Ion Ratio Lower Upper  
93 100  
63 78.5 59.3 99.3  
95 33.0 13.2 53.2



#12  
1,3-Dichlorobenzene  
Concen: 41.363 ng  
RT: 6.828 min Scan# 805  
Delta R.T. -0.006 min  
Lab File: BF141826.D  
Acq: 04 Mar 2025 14:44

Tgt Ion: 146 Resp: 927514  
Ion Ratio Lower Upper  
146 100  
148 64.4 51.8 77.6  
75 32.9 26.2 39.4





#13

1,4-Dichlorobenzene

Concen: 41.616 ng

RT: 6.904 min Scan# 819

Delta R.T. -0.006 min

Lab File: BF141826.D

Acq: 04 Mar 2025 14:44

Instrument :

BNA\_F

ClientSampleId :

PB166957BS

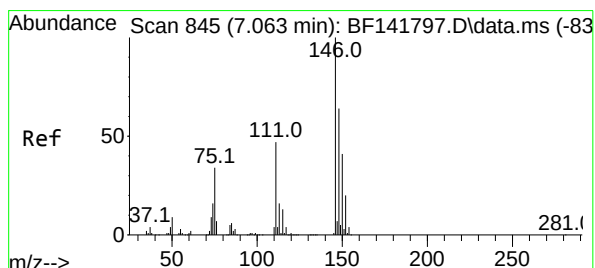
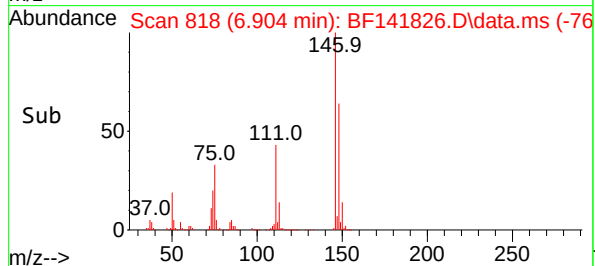
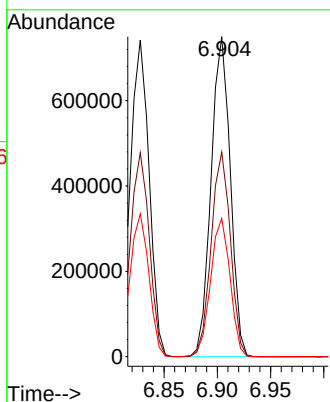
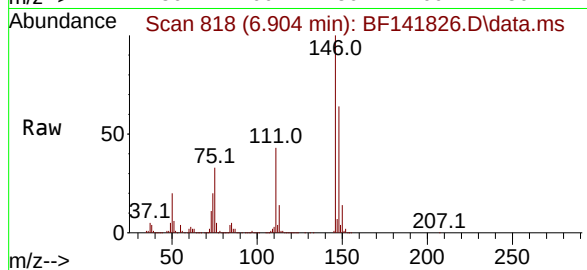
Tgt Ion:146 Resp: 940287

Ion Ratio Lower Upper

146 100

148 64.0 51.4 77.2

111 43.2 35.5 53.3



#14

1,2-Dichlorobenzene

Concen: 43.046 ng

RT: 7.057 min Scan# 844

Delta R.T. -0.006 min

Lab File: BF141826.D

Acq: 04 Mar 2025 14:44

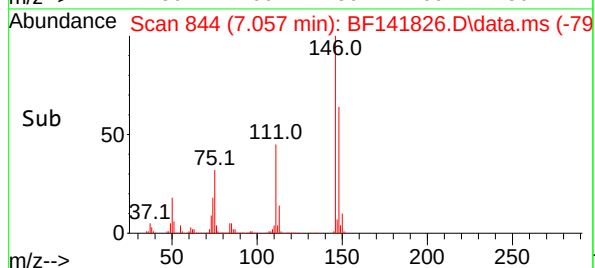
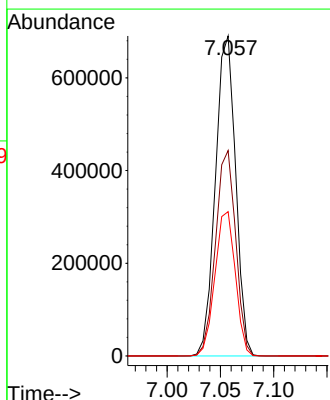
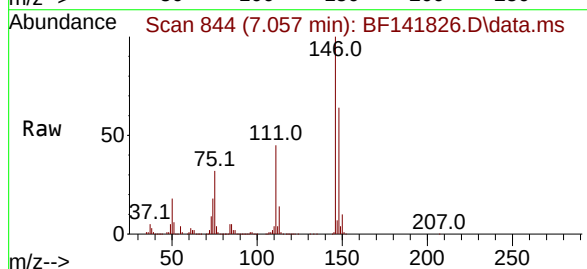
Tgt Ion:146 Resp: 908206

Ion Ratio Lower Upper

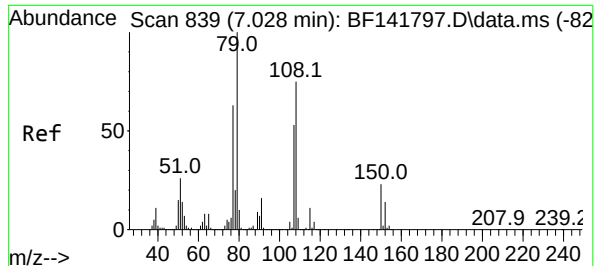
146 100

148 64.2 51.2 76.8

111 45.1 37.8 56.6







#15

Benzyl Alcohol

Concen: 40.036 ng

RT: 7.022 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF141826.D

Acq: 04 Mar 2025 14:44

Instrument :

BNA\_F

ClientSampleId :

PB166957BS

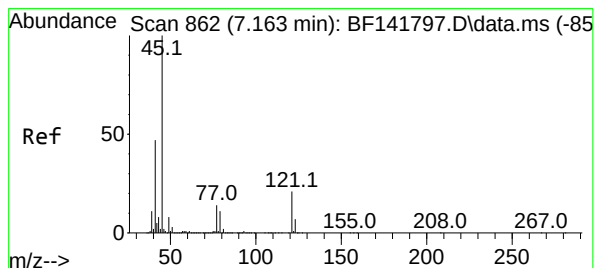
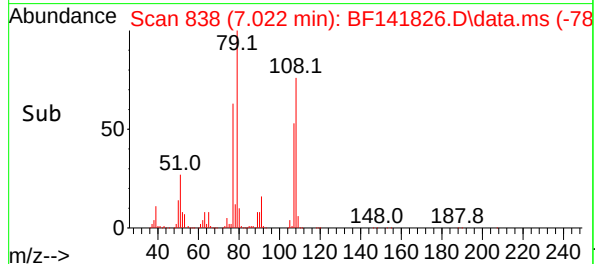
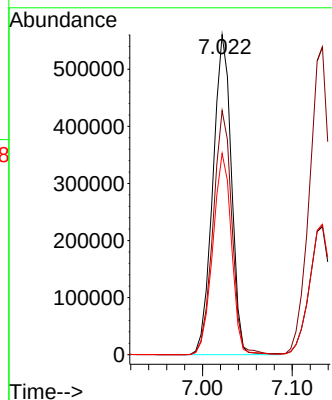
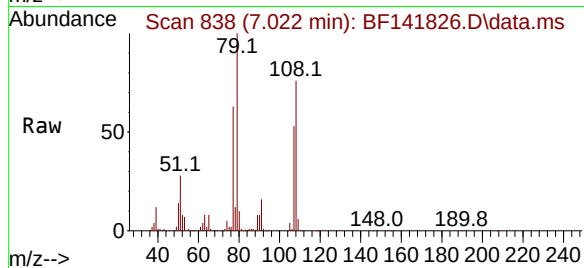
Tgt Ion: 79 Resp: 806132

Ion Ratio Lower Upper

79 100

108 76.3 60.2 90.2

77 62.9 50.2 75.2



#16

2,2'-oxybis(1-Chloropropane)

Concen: 41.242 ng

RT: 7.157 min Scan# 861

Delta R.T. -0.006 min

Lab File: BF141826.D

Acq: 04 Mar 2025 14:44

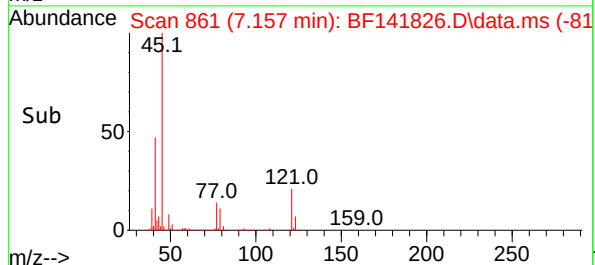
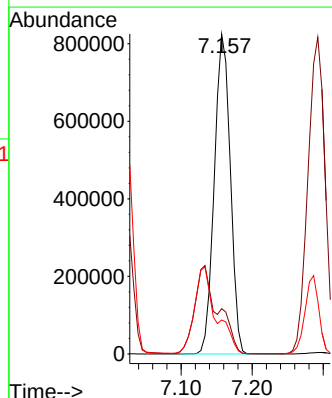
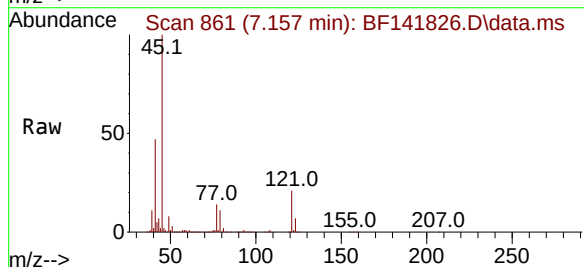
Tgt Ion: 45 Resp: 1285320

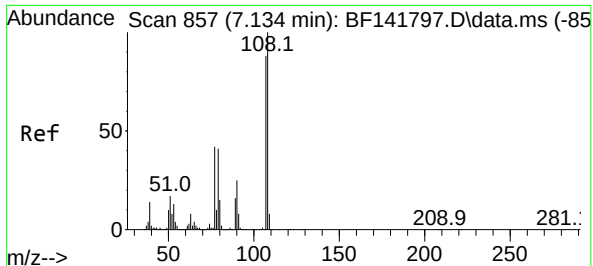
Ion Ratio Lower Upper

45 100

77 14.2 0.0 34.4

79 10.6 0.0 30.9

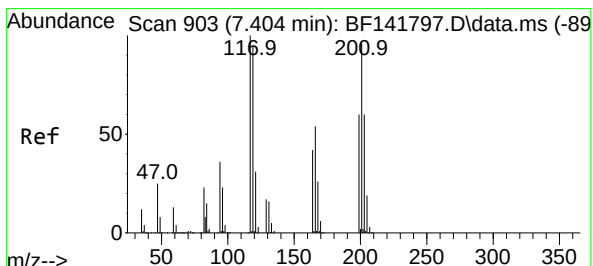
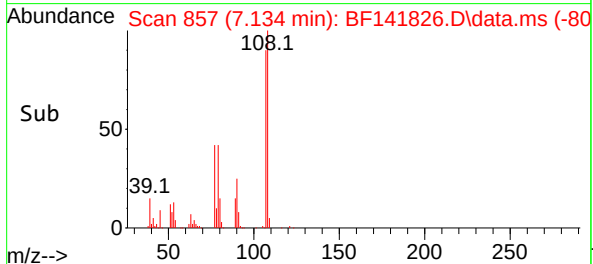
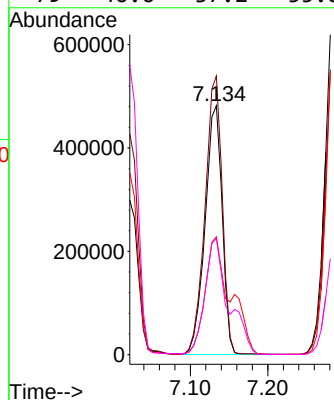
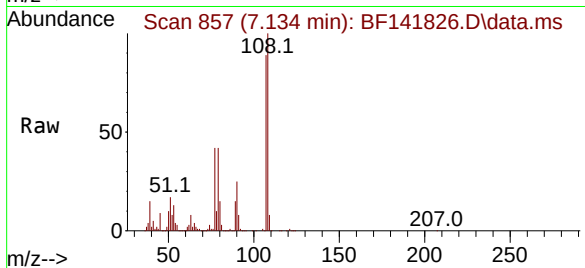




#17  
2-Methylphenol  
Concen: 42.714 ng  
RT: 7.134 min Scan# 857  
Delta R.T. -0.000 min  
Lab File: BF141826.D  
Acq: 04 Mar 2025 14:44

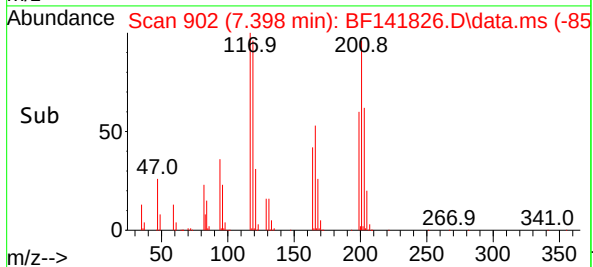
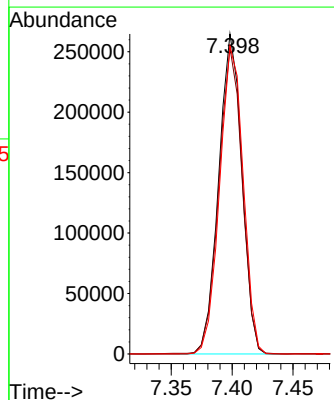
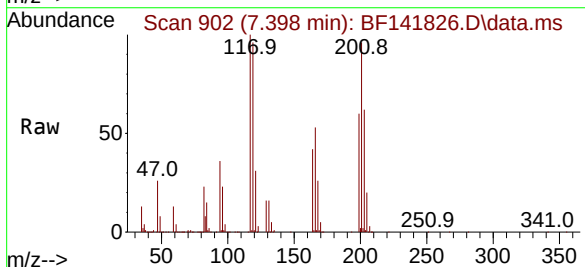
Instrument :  
BNA\_F  
ClientSampleId :  
PB166957BS

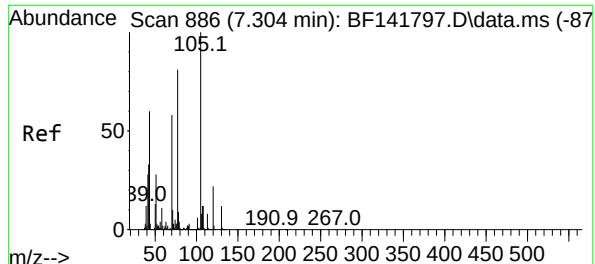
Tgt Ion:107 Resp: 738248  
Ion Ratio Lower Upper  
107 100  
108 111.9 90.6 135.8  
77 47.4 37.7 56.5  
79 46.6 37.2 55.8



#18  
Hexachloroethane  
Concen: 41.576 ng  
RT: 7.398 min Scan# 902  
Delta R.T. -0.006 min  
Lab File: BF141826.D  
Acq: 04 Mar 2025 14:44

Tgt Ion:117 Resp: 351592  
Ion Ratio Lower Upper  
117 100  
119 95.7 75.8 113.8  
201 96.1 76.7 115.1





#19

n-Nitroso-di-n-propylamine

Concen: 39.172 ng

RT: 7.298 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF141826.D

Acq: 04 Mar 2025 14:44

Instrument :

BNA\_F

ClientSampleId :

PB166957BS

Tgt Ion: 70 Resp: 648751

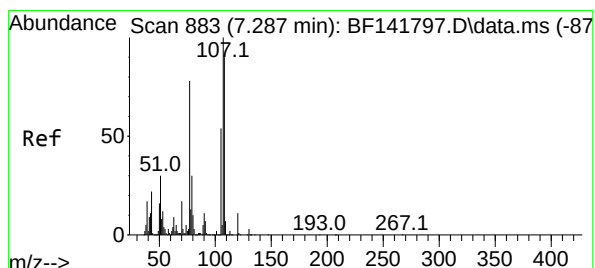
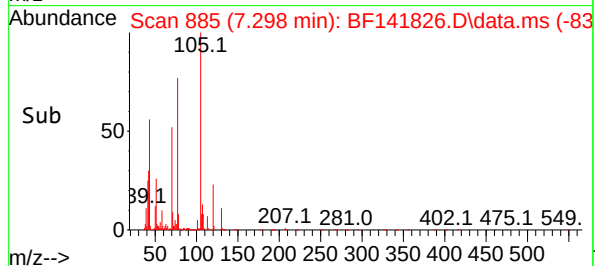
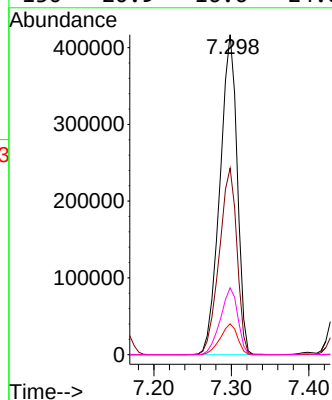
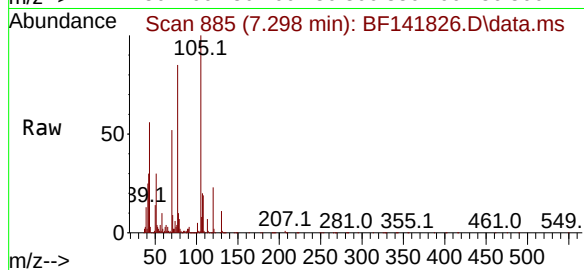
Ion Ratio Lower Upper

70 100

42 58.3 45.4 68.0

101 9.6 7.8 11.8

130 20.9 16.6 24.8



#20

3+4-Methylphenols

Concen: 41.694 ng

RT: 7.287 min Scan# 883

Delta R.T. -0.000 min

Lab File: BF141826.D

Acq: 04 Mar 2025 14:44

Tgt Ion: 107 Resp: 897325

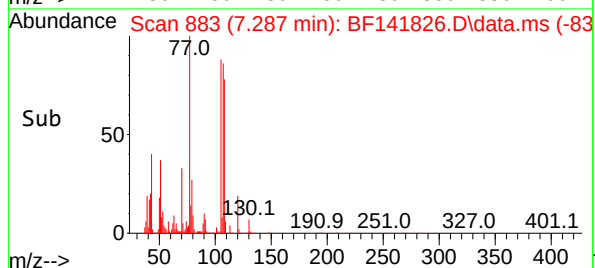
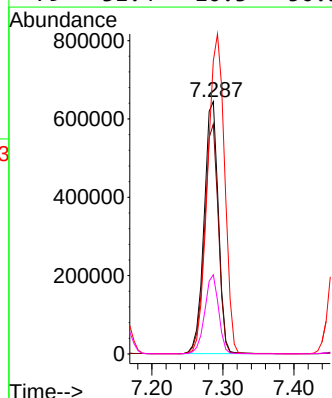
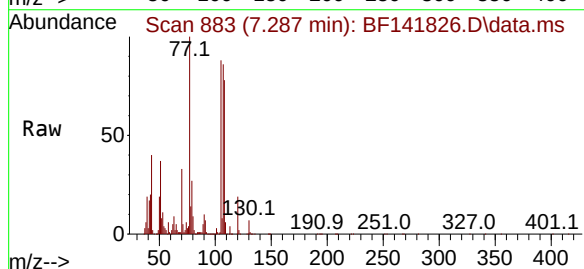
Ion Ratio Lower Upper

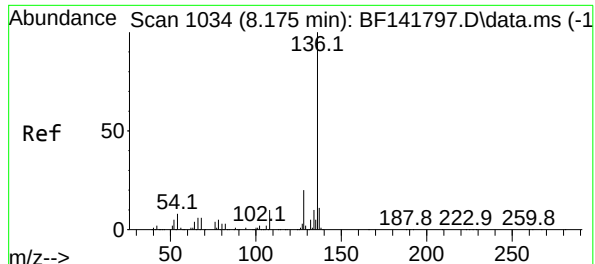
107 100

108 91.1 69.7 109.7

77 116.2 58.3 98.3#

79 31.4 10.3 50.3





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.169 min Scan# 1033

Delta R.T. -0.006 min

Lab File: BF141826.D

Acq: 04 Mar 2025 14:44

Instrument :

BNA\_F

ClientSampleId :

PB166957BS

Tgt Ion:136 Resp: 1216990

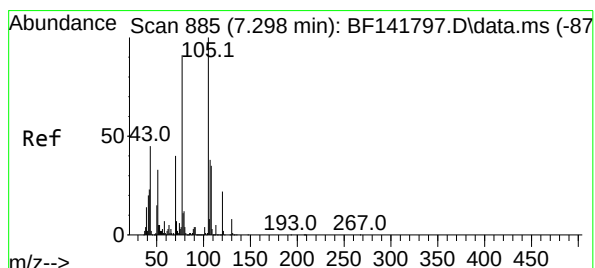
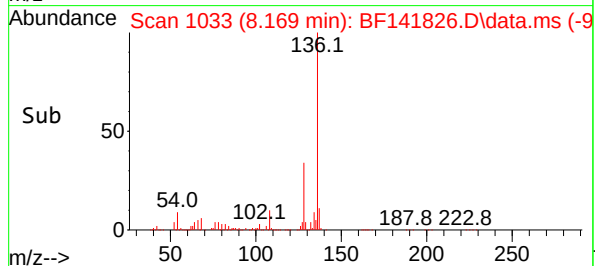
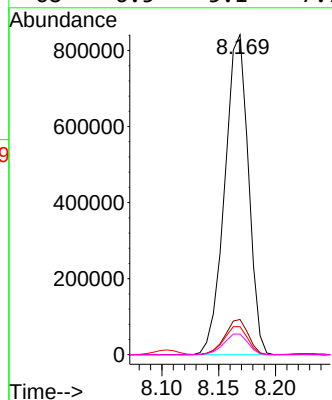
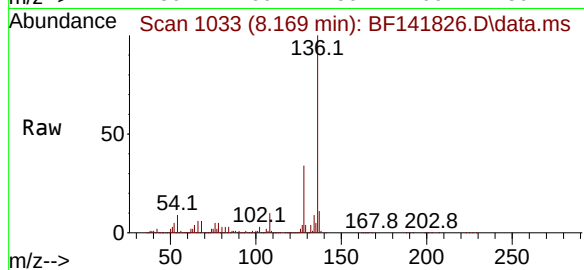
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 8.7 6.9 10.3

68 6.5 5.1 7.7



#22

Acetophenone

Concen: 44.759 ng

RT: 7.292 min Scan# 884

Delta R.T. -0.006 min

Lab File: BF141826.D

Acq: 04 Mar 2025 14:44

Tgt Ion:105 Resp: 1326666

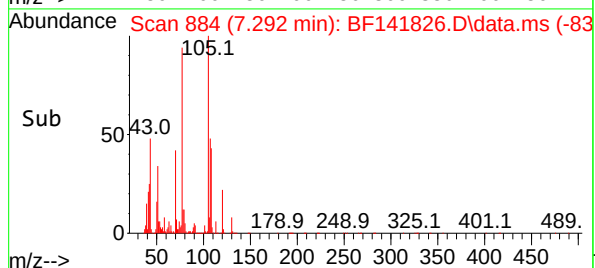
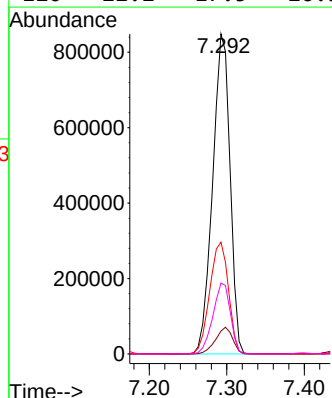
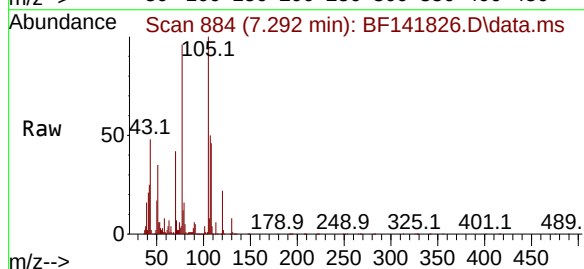
Ion Ratio Lower Upper

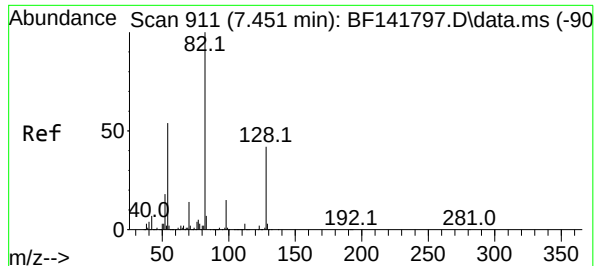
105 100

71 7.1 5.4 8.0

51 35.0 26.1 39.1

120 22.2 17.5 26.3





#23

Nitrobenzene-d5

Concen: 104.261 ng

RT: 7.445 min Scan# 911

Delta R.T. -0.006 min

Lab File: BF141826.D

Acq: 04 Mar 2025 14:44

Instrument :

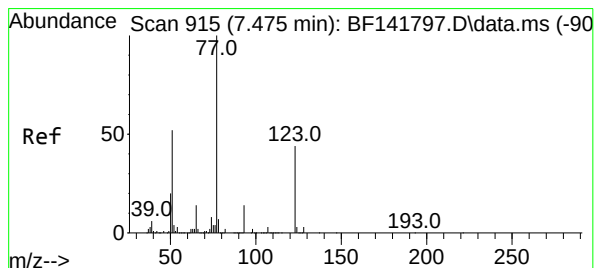
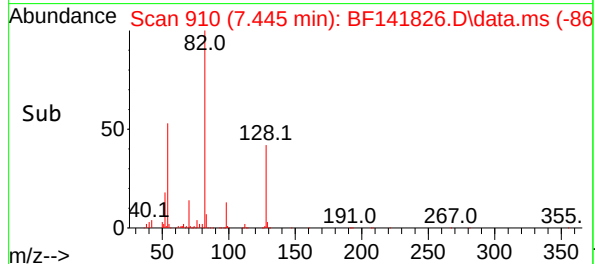
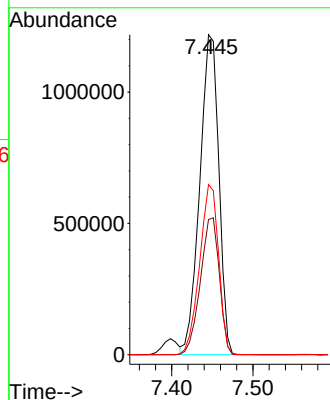
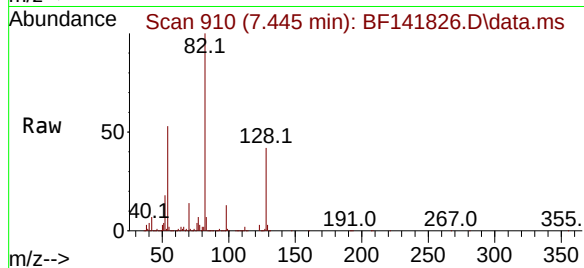
BNA\_F

ClientSampleId :

PB166957BS

Tgt Ion: 82 Resp: 1985045

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 42.2  | 33.5  | 50.3  |
| 54  | 53.2  | 42.7  | 64.1  |



#24

Nitrobenzene

Concen: 46.018 ng

RT: 7.469 min Scan# 914

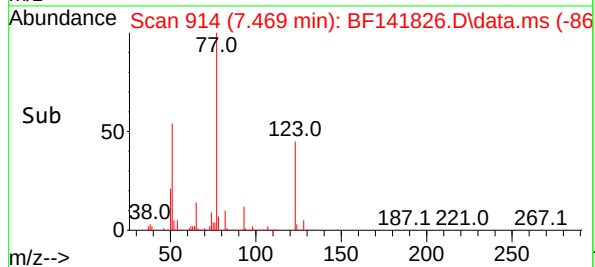
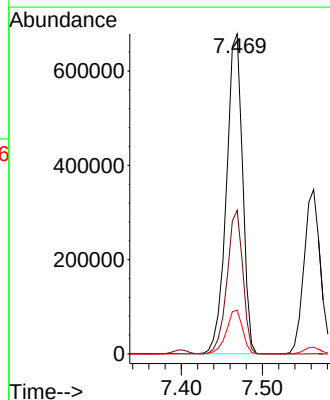
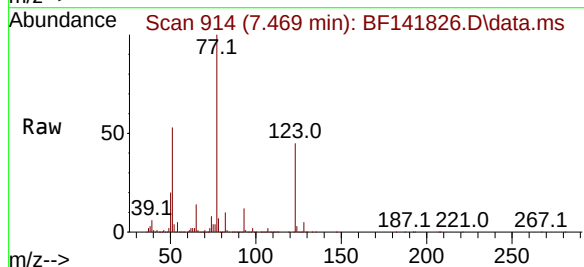
Delta R.T. -0.006 min

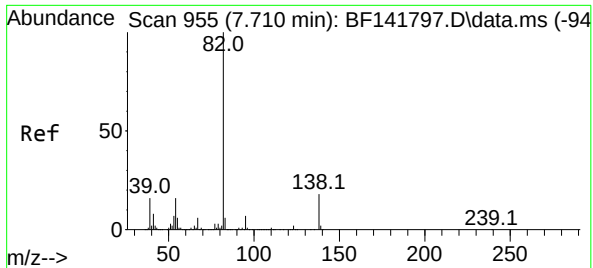
Lab File: BF141826.D

Acq: 04 Mar 2025 14:44

Tgt Ion: 77 Resp: 938224

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 77  | 100   |       |       |
| 123 | 44.9  | 35.8  | 53.8  |
| 65  | 13.7  | 11.2  | 16.8  |

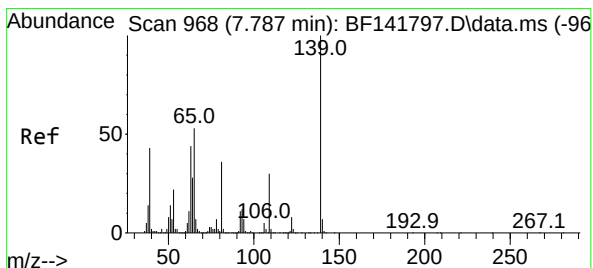
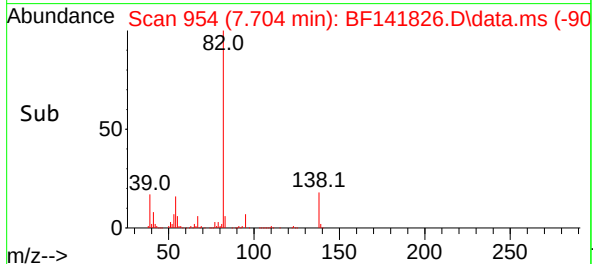
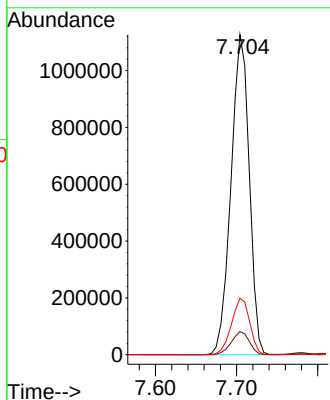
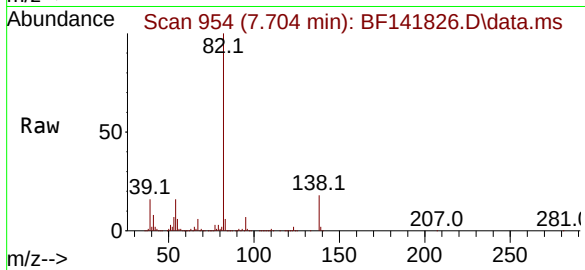




#25  
Isophorone  
Concen: 42.852 ng  
RT: 7.704 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: BF141826.D  
Acq: 04 Mar 2025 14:44

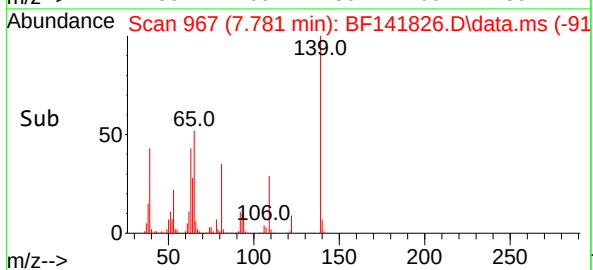
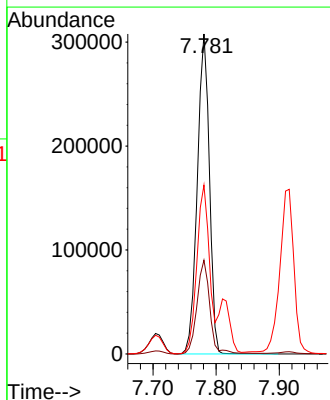
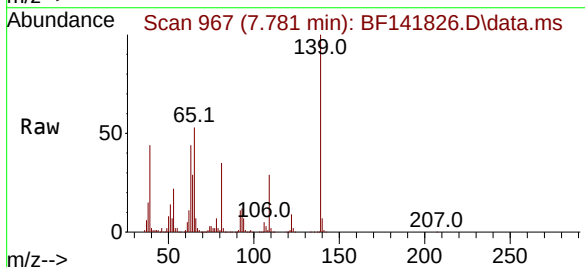
Instrument :  
BNA\_F  
ClientSampleId :  
PB166957BS

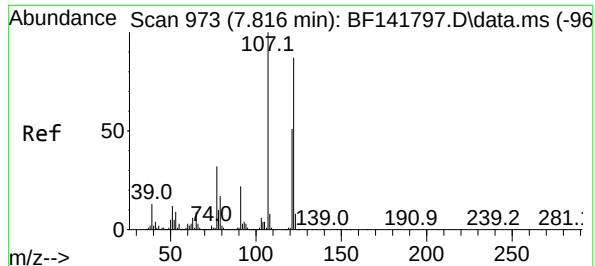
Tgt Ion: 82 Resp: 1752788  
Ion Ratio Lower Upper  
82 100  
95 7.2 5.8 8.8  
138 17.7 14.0 21.0



#26  
2-Nitrophenol  
Concen: 45.311 ng  
RT: 7.781 min Scan# 967  
Delta R.T. -0.006 min  
Lab File: BF141826.D  
Acq: 04 Mar 2025 14:44

Tgt Ion: 139 Resp: 410123  
Ion Ratio Lower Upper  
139 100  
109 29.3 24.1 36.1  
65 52.8 42.3 63.5





#27

2,4-Dimethylphenol

Concen: 52.255 ng

RT: 7.810 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF141826.D

Acq: 04 Mar 2025 14:44

Instrument :

BNA\_F

ClientSampleId :

PB166957BS

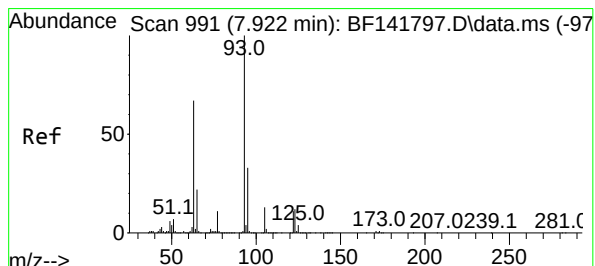
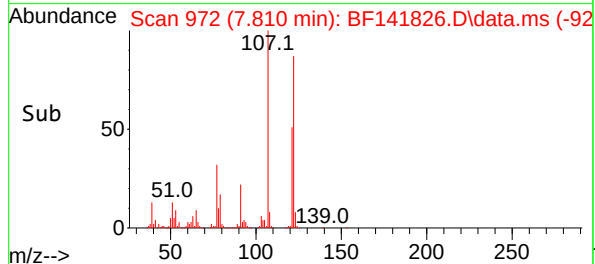
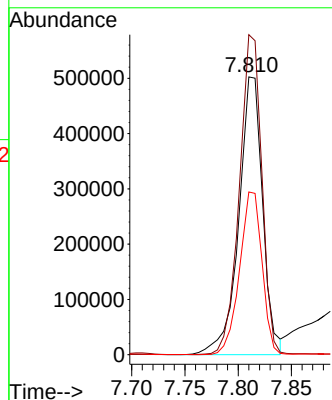
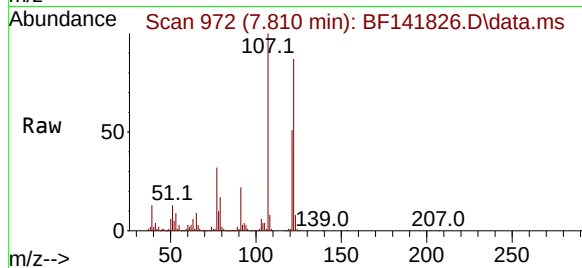
Tgt Ion:122 Resp: 785686

Ion Ratio Lower Upper

122 100

107 115.2 92.5 138.7

121 58.6 47.1 70.7



#28

bis(2-Chloroethoxy)methane

Concen: 40.523 ng

RT: 7.916 min Scan# 990

Delta R.T. -0.006 min

Lab File: BF141826.D

Acq: 04 Mar 2025 14:44

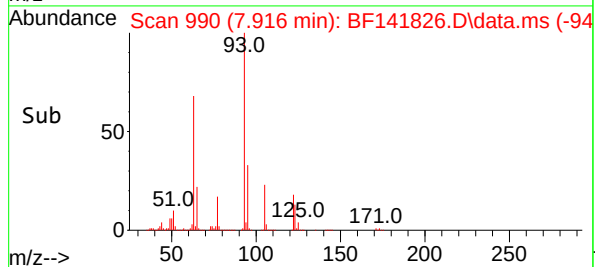
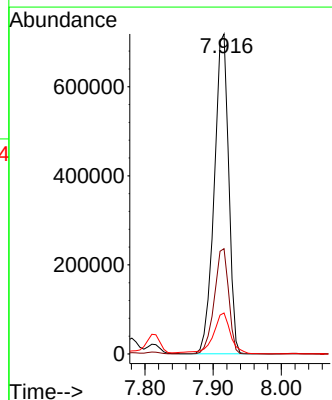
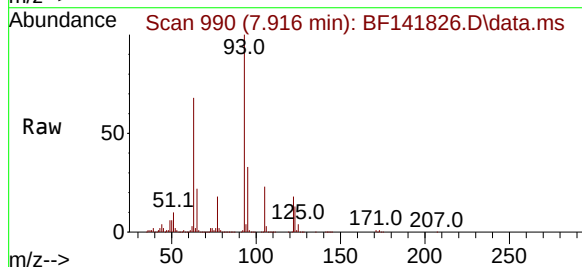
Tgt Ion: 93 Resp: 1057325

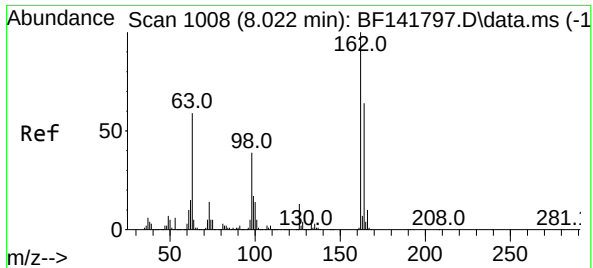
Ion Ratio Lower Upper

93 100

95 32.9 26.5 39.7

123 12.8 10.0 15.0





#29

2,4-Dichlorophenol

Concen: 42.679 ng

RT: 8.016 min Scan# 1007

Delta R.T. -0.006 min

Lab File: BF141826.D

Acq: 04 Mar 2025 14:44

Instrument :

BNA\_F

ClientSampleId :

PB166957BS

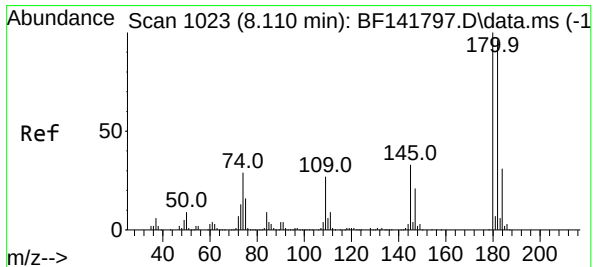
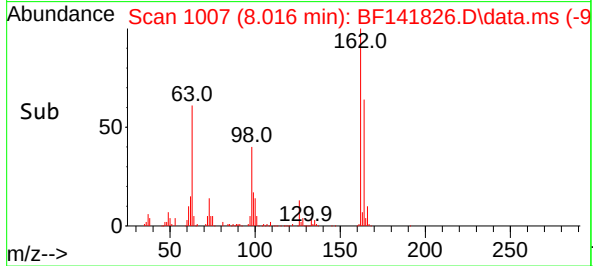
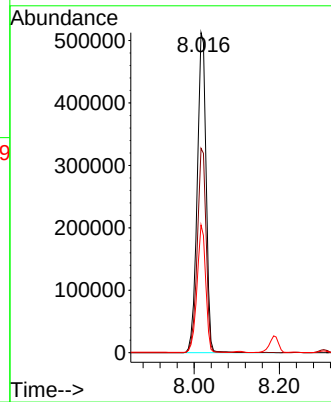
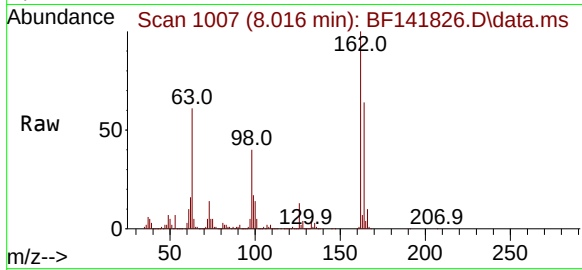
Tgt Ion:162 Resp: 740307

Ion Ratio Lower Upper

162 100

164 63.8 44.3 84.3

98 39.9 19.6 59.6



#30

1,2,4-Trichlorobenzene

Concen: 41.766 ng

RT: 8.104 min Scan# 1022

Delta R.T. -0.006 min

Lab File: BF141826.D

Acq: 04 Mar 2025 14:44

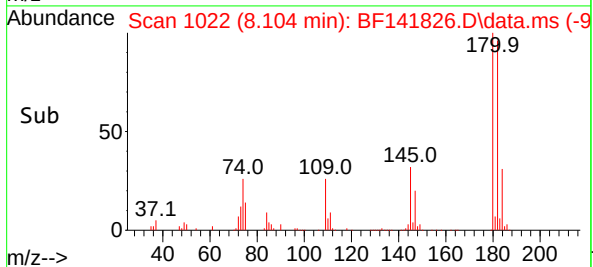
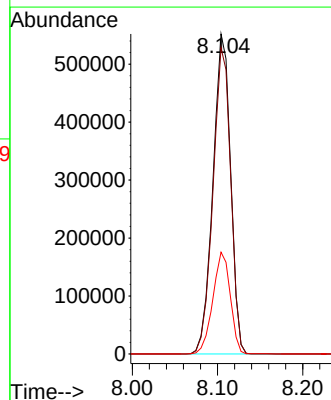
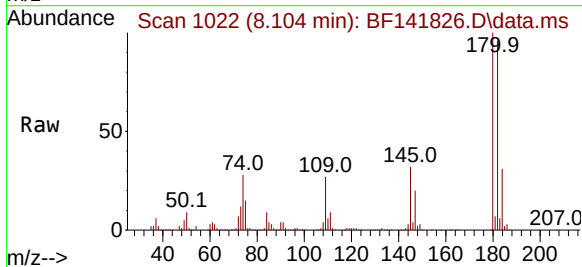
Tgt Ion:180 Resp: 793857

Ion Ratio Lower Upper

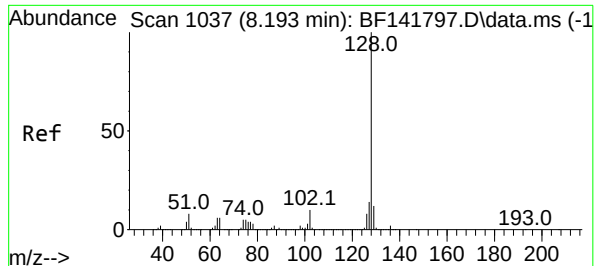
180 100

182 95.7 76.8 115.2

145 31.8 26.4 39.6







#31

Naphthalene

Concen: 40.407 ng

RT: 8.186 min Scan# 1036

Delta R.T. -0.006 min

Lab File: BF141826.D

Acq: 04 Mar 2025 14:44

Instrument :

BNA\_F

ClientSampleId :

PB166957BS

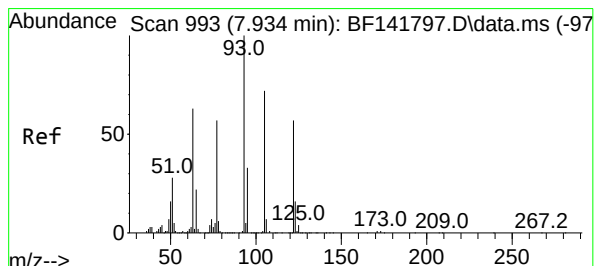
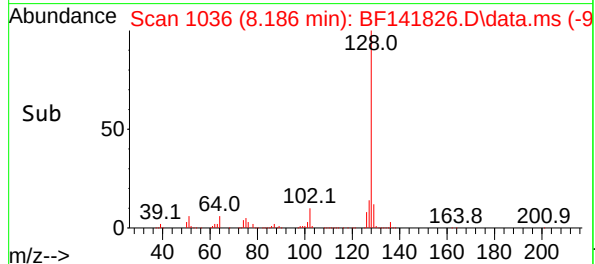
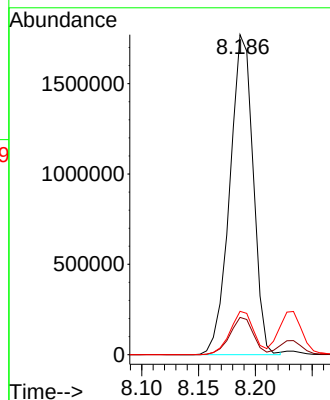
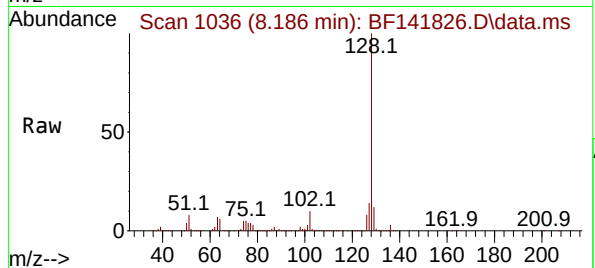
Tgt Ion:128 Resp: 2527358

Ion Ratio Lower Upper

128 100

129 11.7 9.2 13.8

127 13.5 11.0 16.4



#32

Benzoic acid

Concen: 47.899 ng

RT: 7.934 min Scan# 993

Delta R.T. -0.000 min

Lab File: BF141826.D

Acq: 04 Mar 2025 14:44

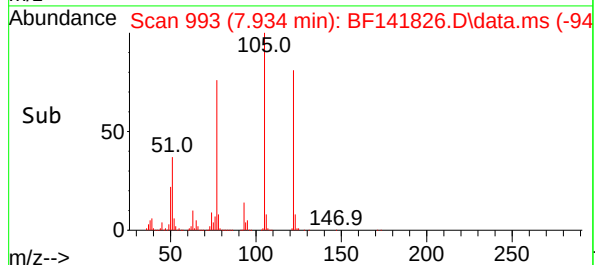
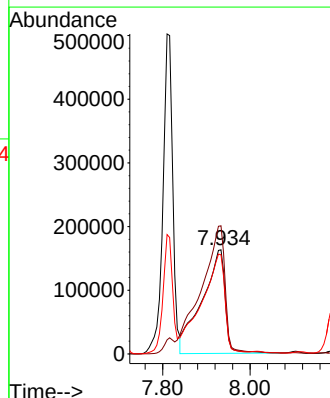
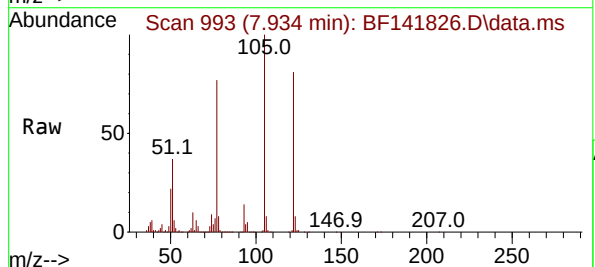
Tgt Ion:122 Resp: 600862

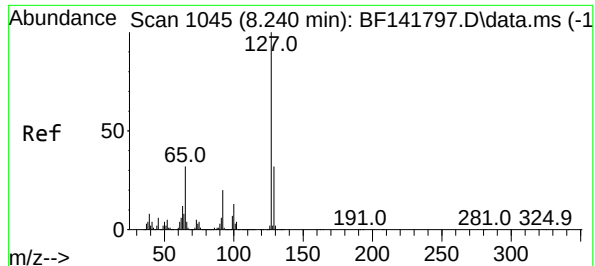
Ion Ratio Lower Upper

122 100

105 123.1 105.8 145.8

77 95.3 79.9 119.9





#33

4-Chloroaniline

Concen: 15.073 ng

RT: 8.233 min Scan# 1044

Delta R.T. -0.006 min

Lab File: BF141826.D

Acq: 04 Mar 2025 14:44

Instrument :

BNA\_F

ClientSampleId :

PB166957BS

Tgt Ion:127 Resp: 345693

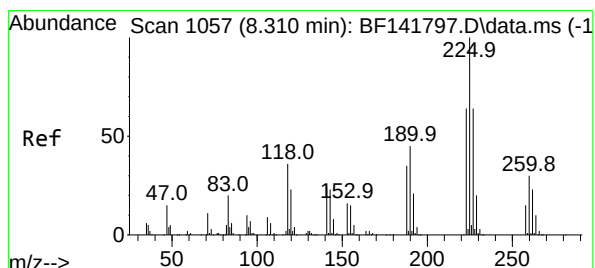
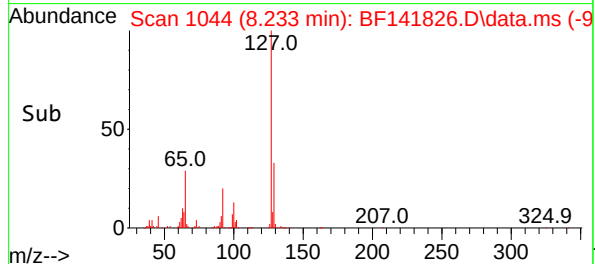
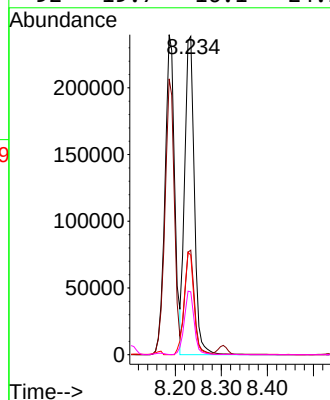
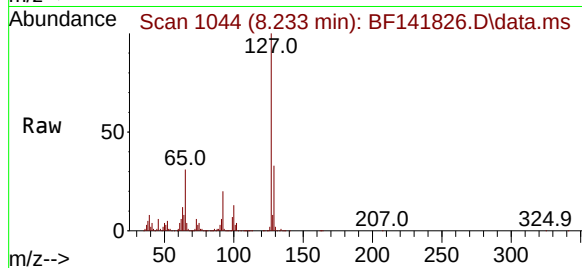
Ion Ratio Lower Upper

127 100

129 32.8 26.1 39.1

65 31.2 25.7 38.5

92 19.7 16.1 24.1



#34

Hexachlorobutadiene

Concen: 41.617 ng

RT: 8.304 min Scan# 1056

Delta R.T. -0.006 min

Lab File: BF141826.D

Acq: 04 Mar 2025 14:44

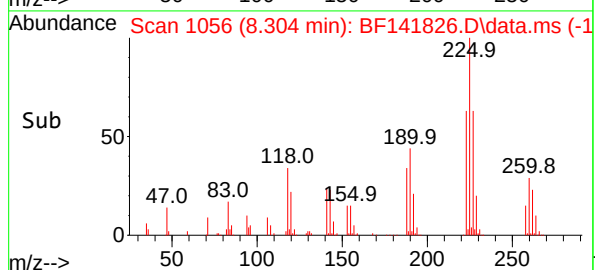
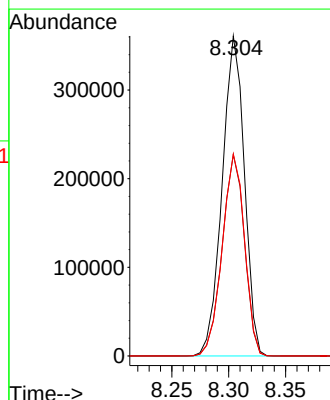
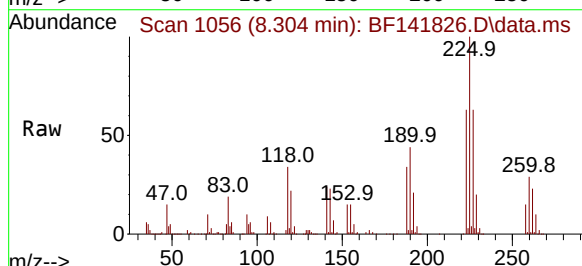
Tgt Ion:225 Resp: 491553

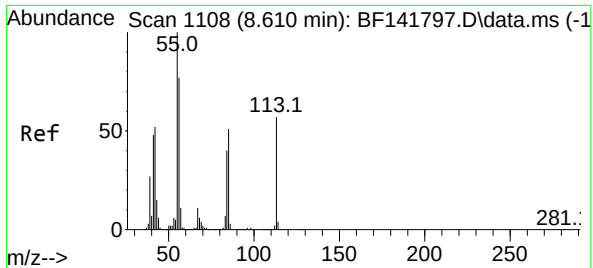
Ion Ratio Lower Upper

225 100

223 62.9 51.4 77.2

227 63.1 51.6 77.4





#35

Caprolactam

Concen: 48.936 ng m

RT: 8.604 min Scan# 1108

Delta R.T. -0.006 min

Lab File: BF141826.D

Acq: 04 Mar 2025 14:44

Instrument :

BNA\_F

ClientSampleId :

PB166957BS

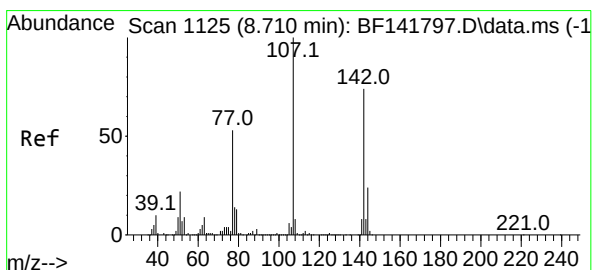
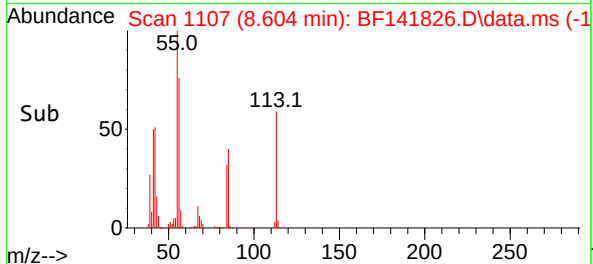
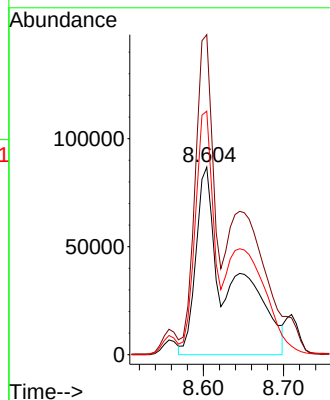
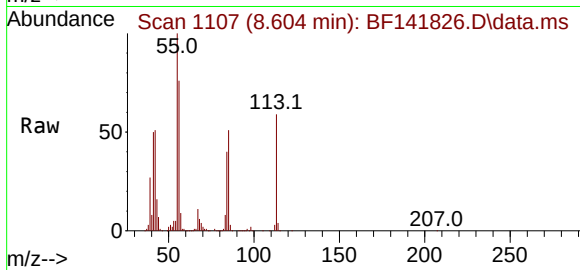
Tgt Ion:113 Resp: 261127

Ion Ratio Lower Upper

113 100

55 170.6 155.6 195.6

56 129.9 114.6 154.6



#36

4-Chloro-3-methylphenol

Concen: 41.221 ng

RT: 8.710 min Scan# 1125

Delta R.T. -0.000 min

Lab File: BF141826.D

Acq: 04 Mar 2025 14:44

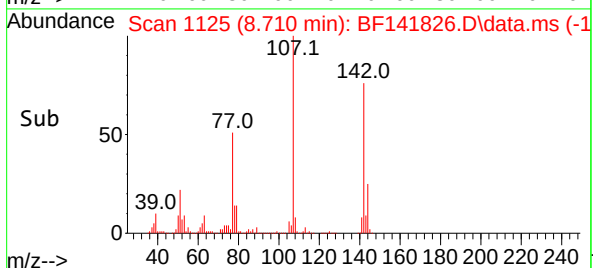
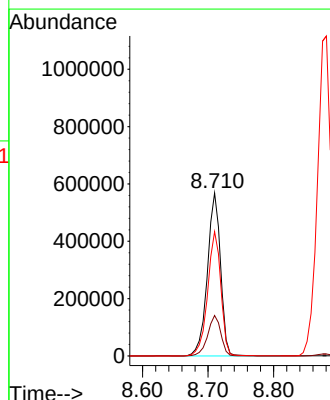
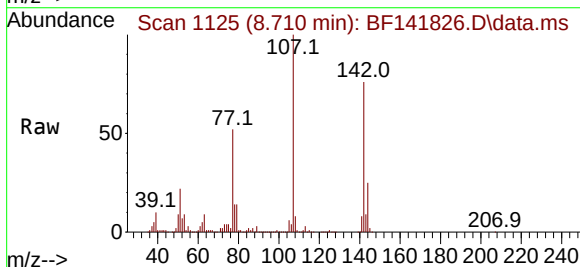
Tgt Ion:107 Resp: 794276

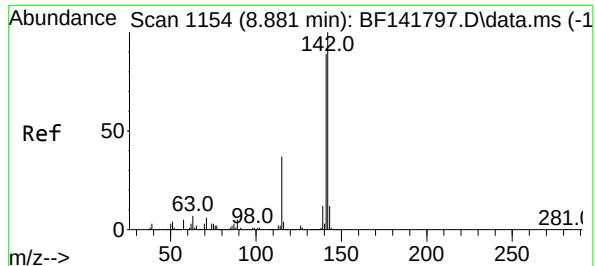
Ion Ratio Lower Upper

107 100

144 24.9 19.4 29.0

142 76.3 59.4 89.0





#37

2-Methylnaphthalene

Concen: 39.163 ng

RT: 8.881 min Scan# 1154

Delta R.T. -0.000 min

Lab File: BF141826.D

Acq: 04 Mar 2025 14:44

Instrument :

BNA\_F

ClientSampleId :

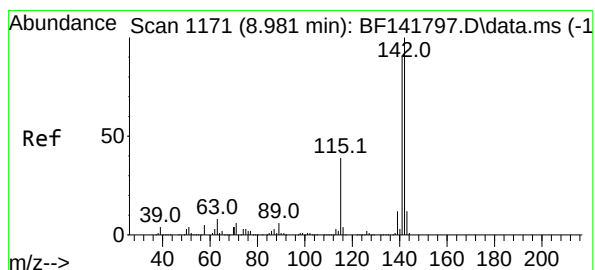
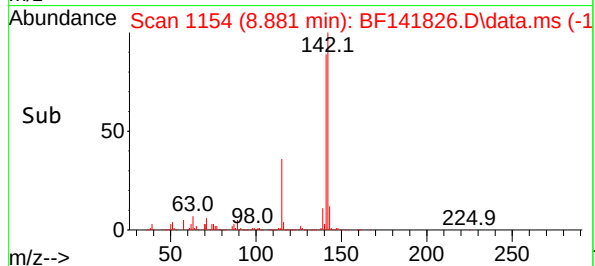
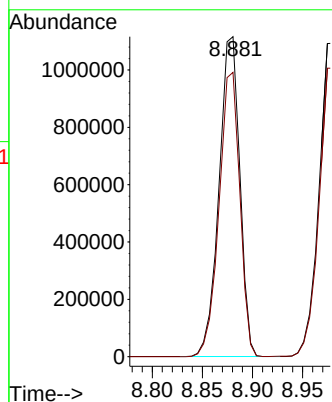
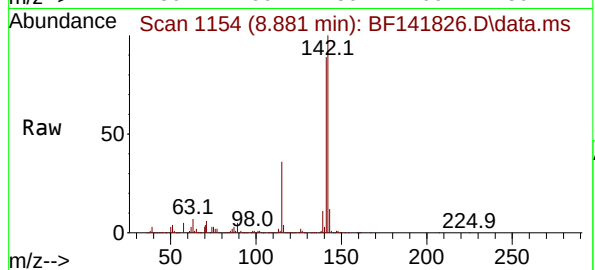
PB166957BS

Tgt Ion:142 Resp: 1606734

Ion Ratio Lower Upper

142 100

141 88.9 71.1 106.7



#38

1-Methylnaphthalene

Concen: 40.008 ng

RT: 8.980 min Scan# 1171

Delta R.T. -0.000 min

Lab File: BF141826.D

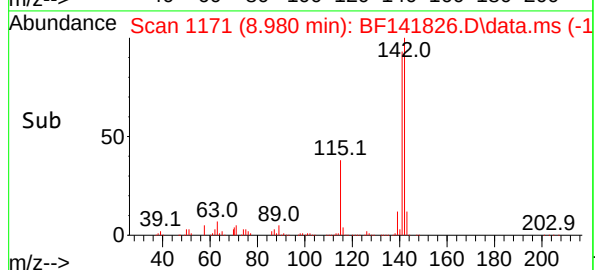
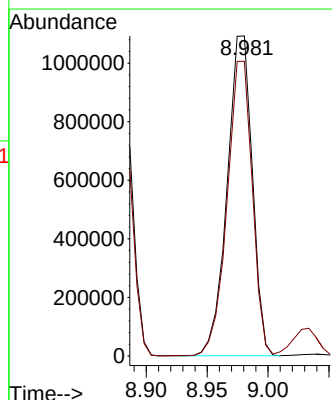
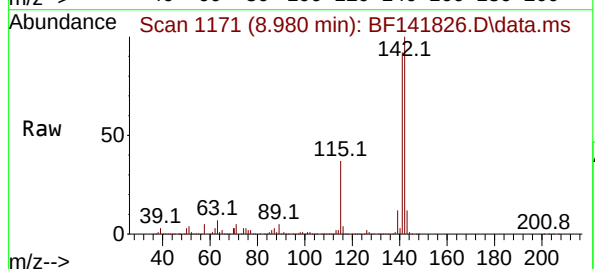
Acq: 04 Mar 2025 14:44

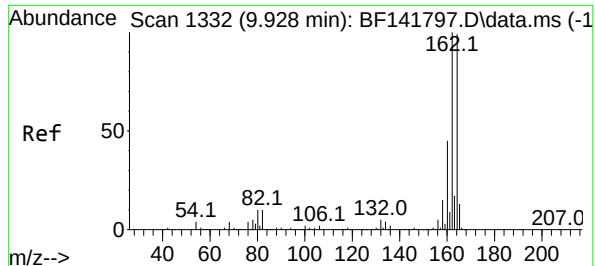
Tgt Ion:142 Resp: 1574965

Ion Ratio Lower Upper

142 100

141 92.1 73.1 109.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.922 min Scan# 1182

Delta R.T. -0.006 min

Lab File: BF141826.D

Acq: 04 Mar 2025 14:44

Instrument :

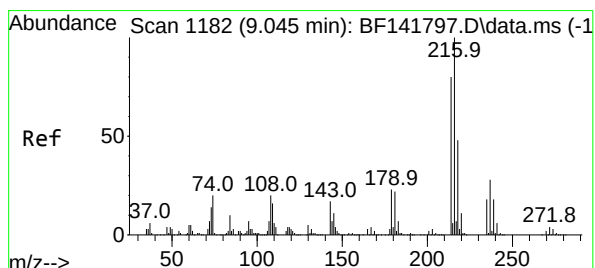
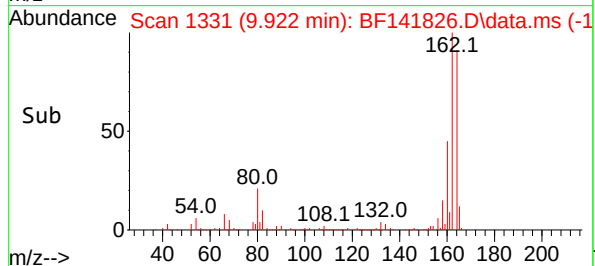
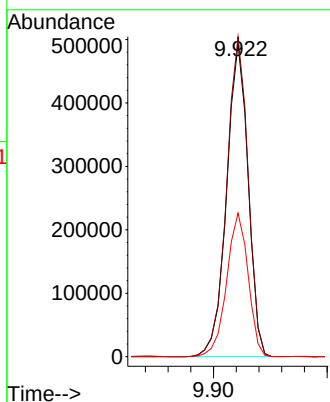
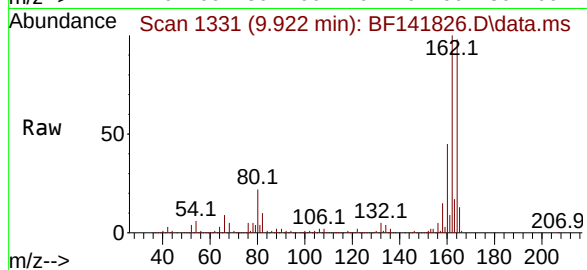
BNA\_F

ClientSampleId :

PB166957BS

Tgt Ion:164 Resp: 647778

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 162 | 102.4 | 80.6  | 120.8 |
| 160 | 45.9  | 36.3  | 54.5  |



#40

1,2,4,5-Tetrachlorobenzene

Concen: 45.610 ng

RT: 9.045 min Scan# 1182

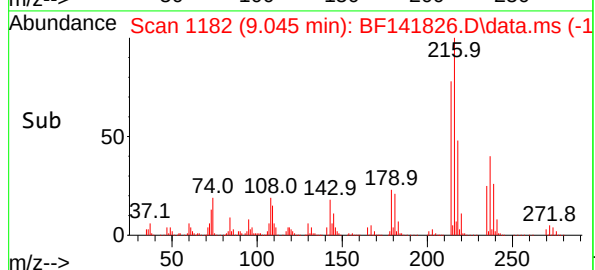
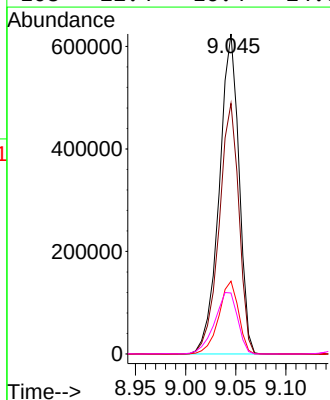
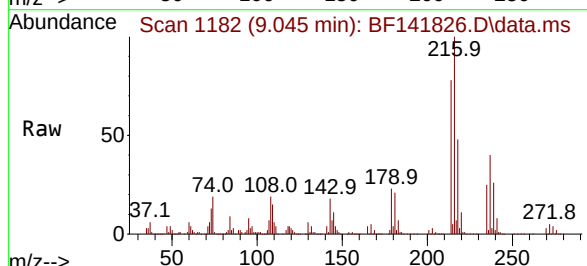
Delta R.T. -0.000 min

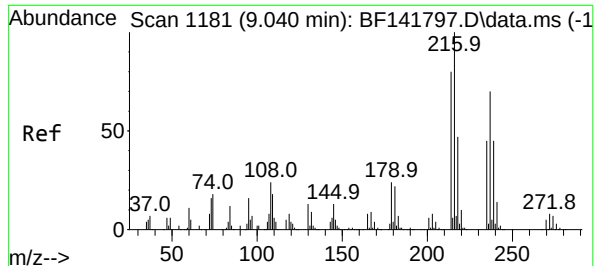
Lab File: BF141826.D

Acq: 04 Mar 2025 14:44

Tgt Ion:216 Resp: 853302

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 216 | 100   |       |       |
| 214 | 78.5  | 63.5  | 95.3  |
| 179 | 22.7  | 18.1  | 27.1  |
| 108 | 22.4  | 16.4  | 24.6  |





#41

Hexachlorocyclopentadiene

Concen: 140.707 ng

RT: 9.033 min Scan# 1181

Delta R.T. -0.006 min

Lab File: BF141826.D

Acq: 04 Mar 2025 14:44

Instrument :

BNA\_F

ClientSampleId :

PB166957BS

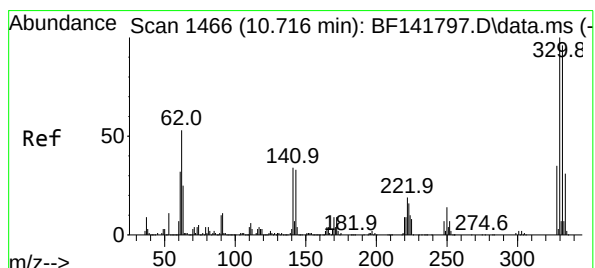
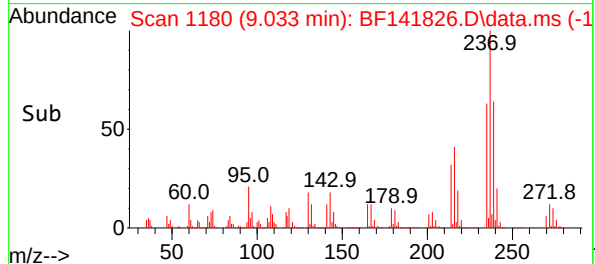
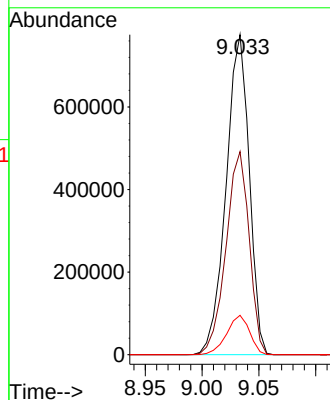
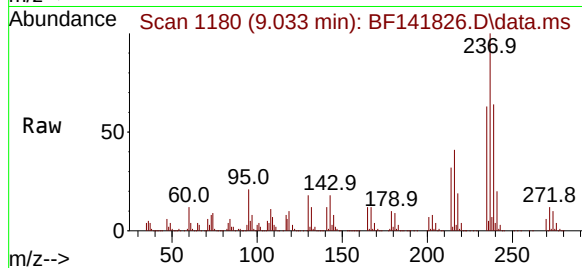
Tgt Ion:237 Resp: 1098585

Ion Ratio Lower Upper

237 100

235 63.5 43.3 83.3

272 12.3 0.0 31.9



#42

2,4,6-Tribromophenol

Concen: 146.635 ng

RT: 10.710 min Scan# 1465

Delta R.T. -0.006 min

Lab File: BF141826.D

Acq: 04 Mar 2025 14:44

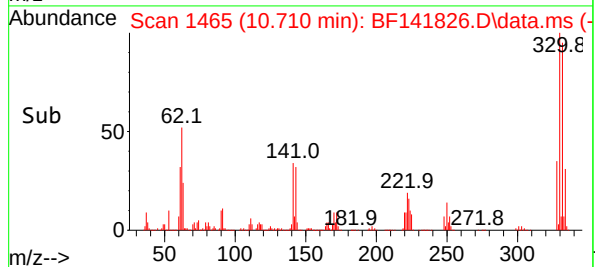
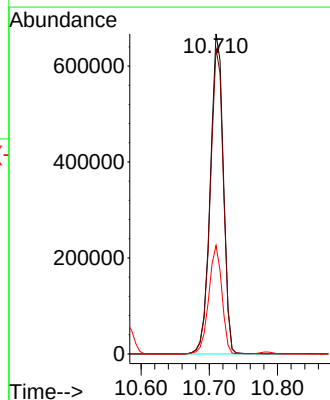
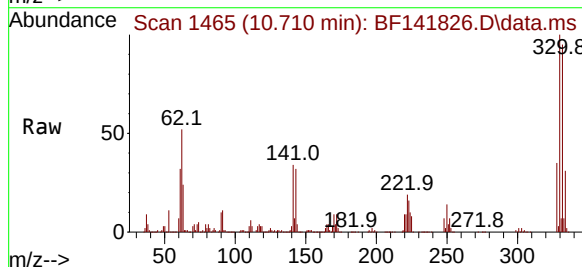
Tgt Ion:330 Resp: 891755

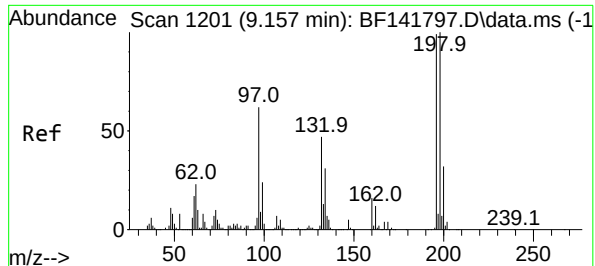
Ion Ratio Lower Upper

330 100

332 95.8 76.6 115.0

141 34.0 29.0 43.4





#43

2,4,6-Trichlorophenol

Concen: 44.559 ng

RT: 9.151 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF141826.D

Acq: 04 Mar 2025 14:44

Instrument :

BNA\_F

ClientSampleId :

PB166957BS

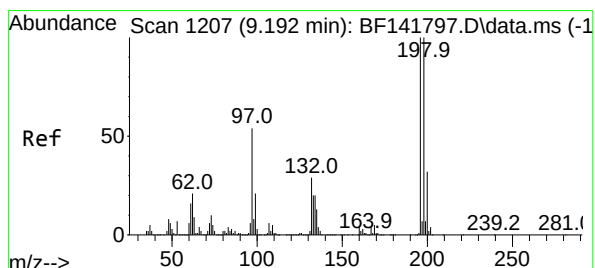
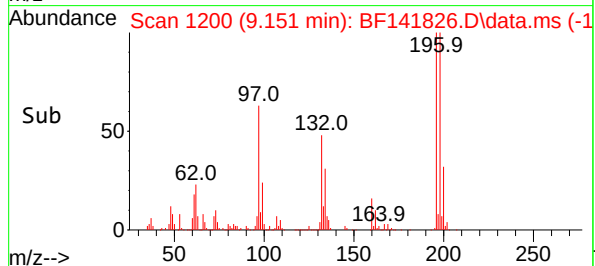
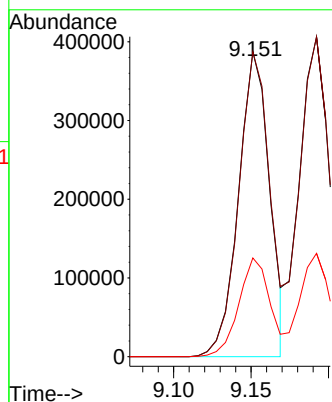
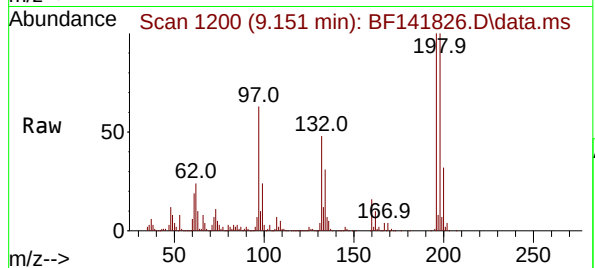
Tgt Ion:196 Resp: 538491

Ion Ratio Lower Upper

196 100

198 100.1 80.4 120.6

200 32.4 25.7 38.5



#44

2,4,5-Trichlorophenol

Concen: 45.619 ng

RT: 9.192 min Scan# 1207

Delta R.T. -0.000 min

Lab File: BF141826.D

Acq: 04 Mar 2025 14:44

Tgt Ion:196 Resp: 545918

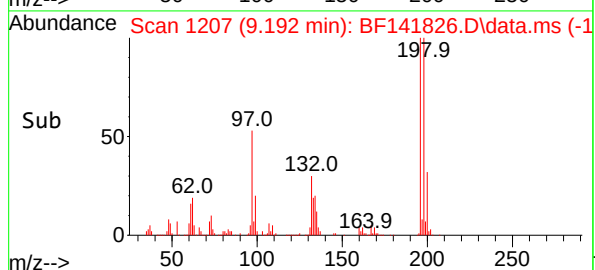
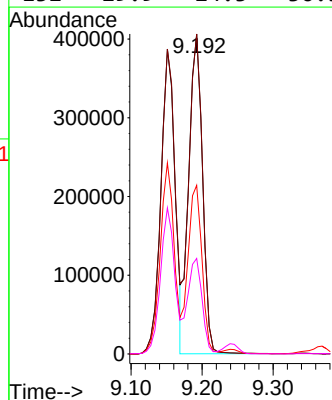
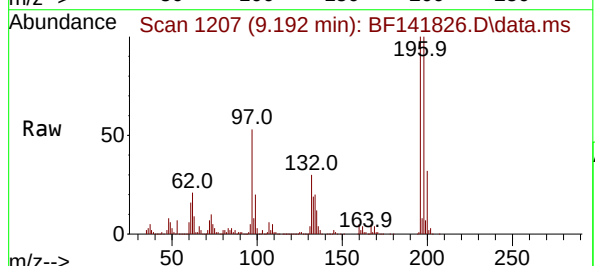
Ion Ratio Lower Upper

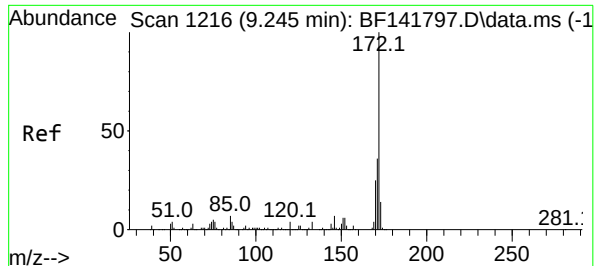
196 100

198 100.1 79.7 119.5

97 52.8 44.2 66.2

132 29.9 24.3 36.5





#45

2-Fluorobiphenyl

Concen: 90.056 ng

RT: 9.239 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF141826.D

Acq: 04 Mar 2025 14:44

Instrument :

BNA\_F

ClientSampleId :

PB166957BS

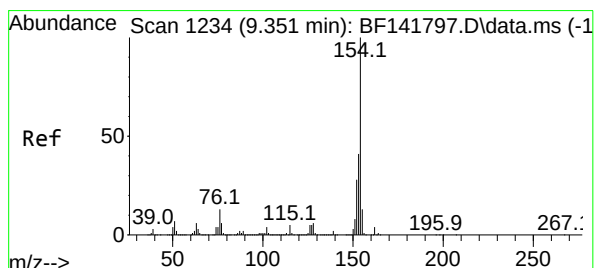
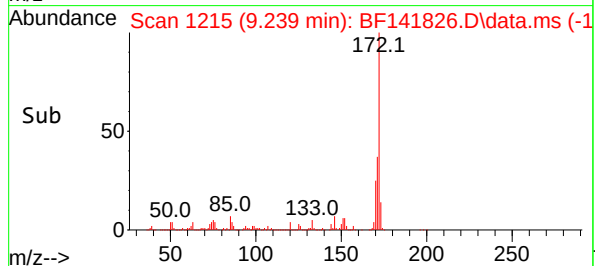
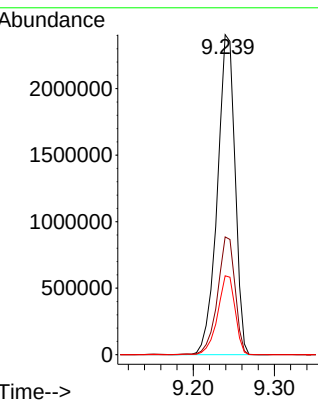
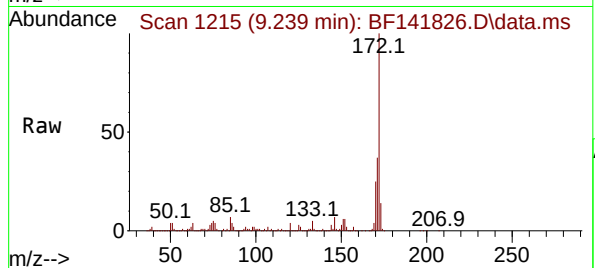
Tgt Ion:172 Resp: 3638167

Ion Ratio Lower Upper

172 100

171 36.8 29.2 43.8

170 24.6 19.7 29.5



#46

1,1'-Biphenyl

Concen: 45.581 ng

RT: 9.345 min Scan# 1233

Delta R.T. -0.006 min

Lab File: BF141826.D

Acq: 04 Mar 2025 14:44

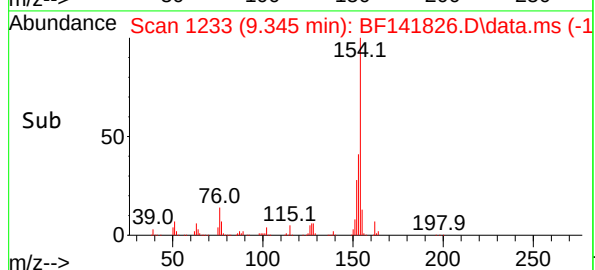
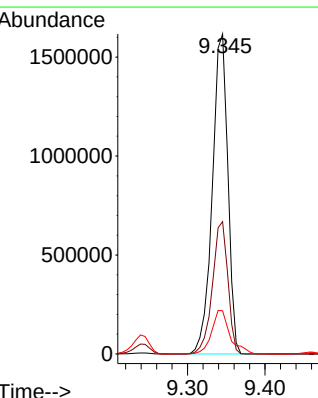
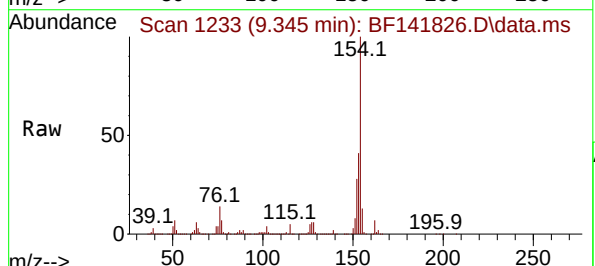
Tgt Ion:154 Resp: 2247408

Ion Ratio Lower Upper

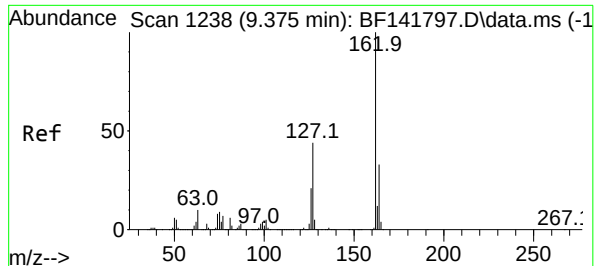
154 100

153 41.3 21.4 61.4

76 13.5 0.0 33.4







#47

2-Chloronaphthalene

Concen: 43.066 ng

RT: 9.369 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141826.D

Acq: 04 Mar 2025 14:44

Instrument :

BNA\_F

ClientSampleId :

PB166957BS

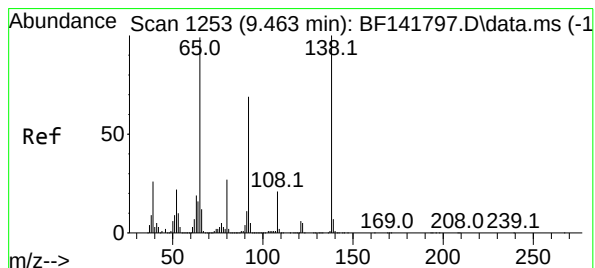
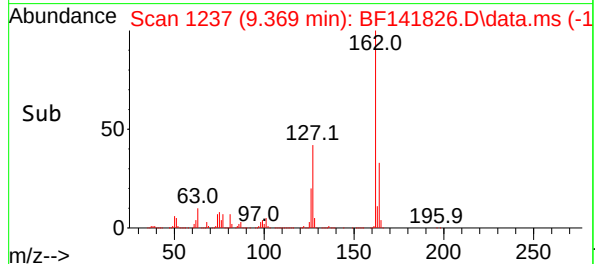
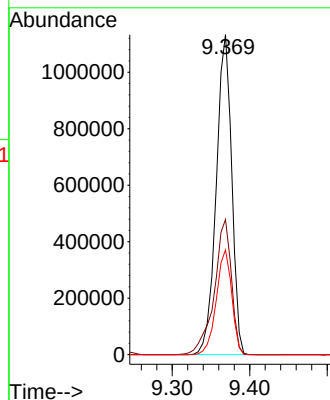
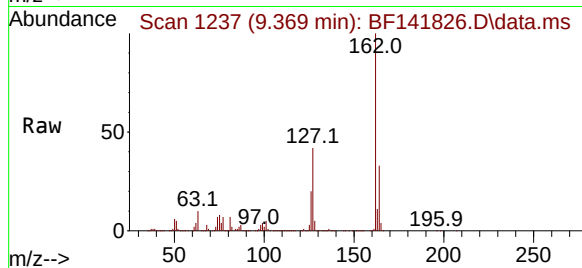
Tgt Ion:162 Resp: 1567251

Ion Ratio Lower Upper

162 100

127 42.3 35.0 52.6

164 32.8 26.6 40.0



#48

2-Nitroaniline

Concen: 48.059 ng

RT: 9.457 min Scan# 1252

Delta R.T. -0.006 min

Lab File: BF141826.D

Acq: 04 Mar 2025 14:44

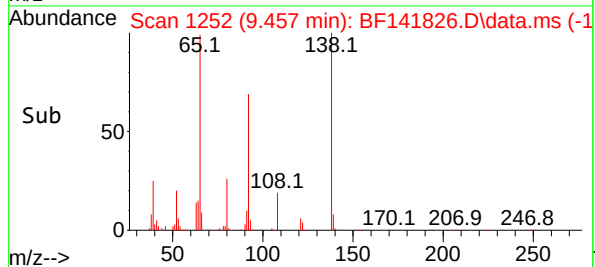
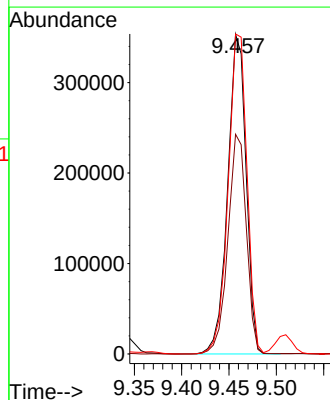
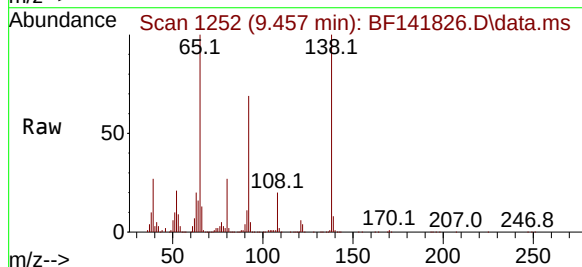
Tgt Ion: 65 Resp: 478794

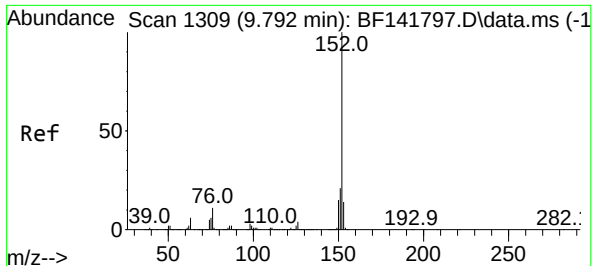
Ion Ratio Lower Upper

65 100

92 68.7 55.7 83.5

138 100.1 80.6 121.0





#49

Acenaphthylene

Concen: 44.342 ng

RT: 9.786 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF141826.D

Acq: 04 Mar 2025 14:44

Instrument :

BNA\_F

ClientSampleId :

PB166957BS

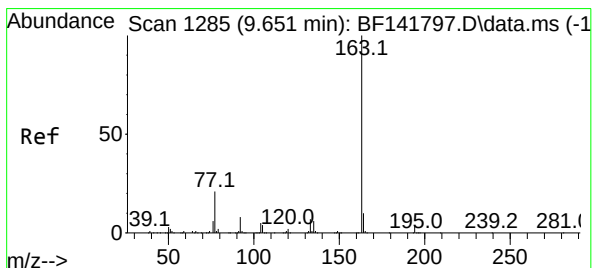
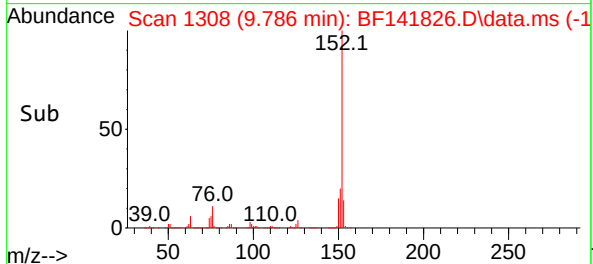
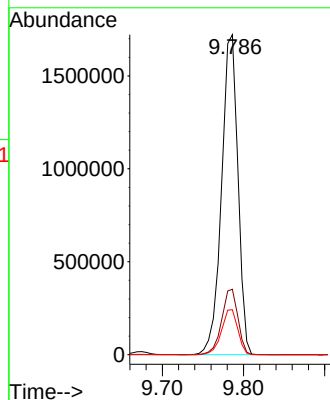
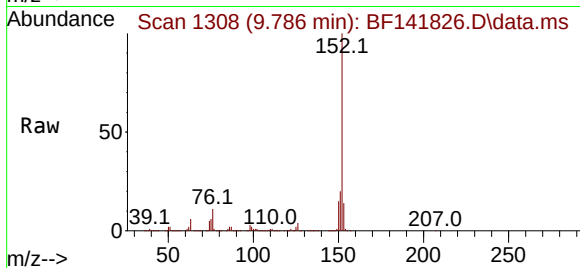
Tgt Ion:152 Resp: 2419425

Ion Ratio Lower Upper

152 100

151 20.4 16.6 24.8

153 14.0 11.2 16.8



#50

Dimethylphthalate

Concen: 41.335 ng

RT: 9.645 min Scan# 1284

Delta R.T. -0.006 min

Lab File: BF141826.D

Acq: 04 Mar 2025 14:44

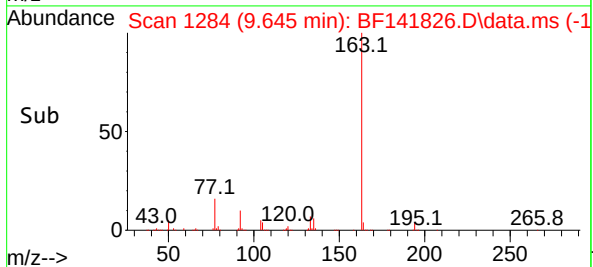
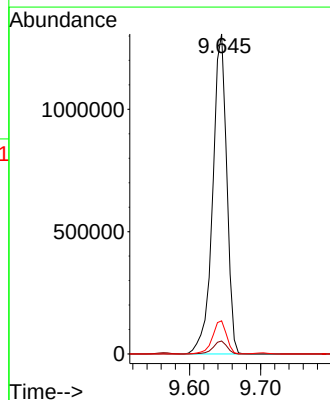
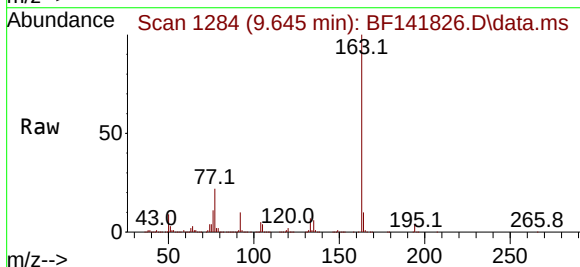
Tgt Ion:163 Resp: 1793109

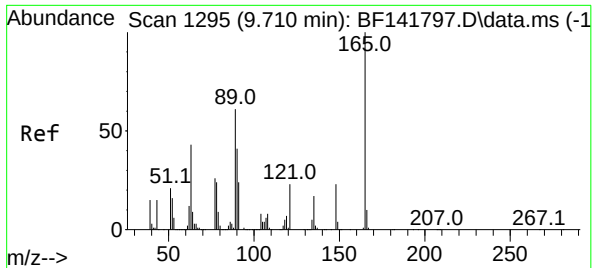
Ion Ratio Lower Upper

163 100

194 4.1 3.1 4.7

164 10.3 8.4 12.6

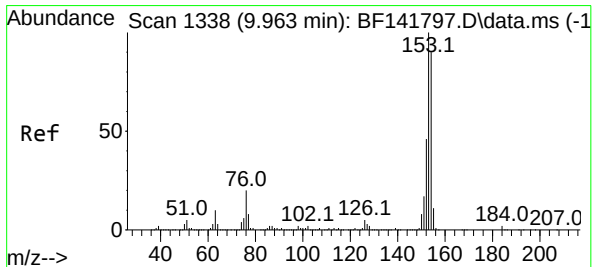
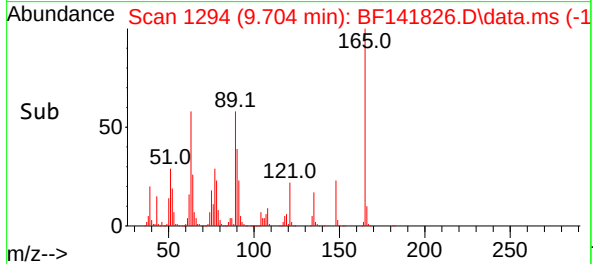
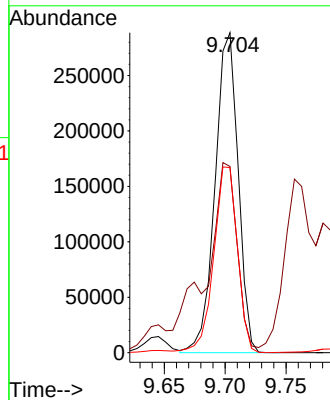
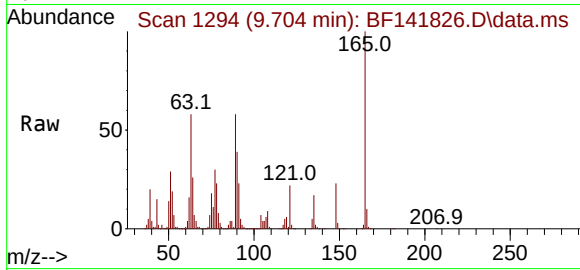




#51  
2,6-Dinitrotoluene  
Concen: 46.046 ng  
RT: 9.704 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF141826.D  
Acq: 04 Mar 2025 14:44

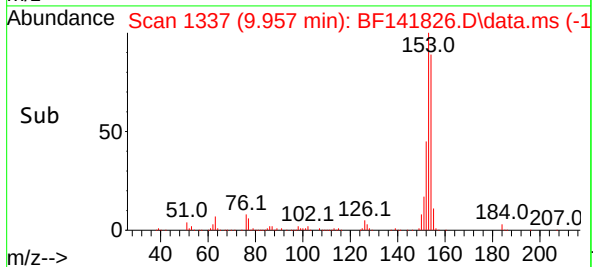
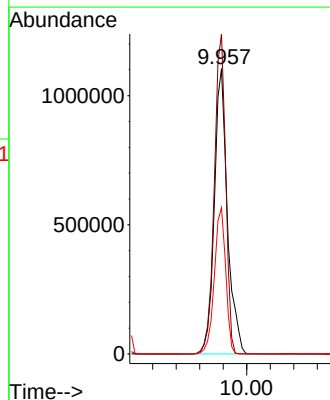
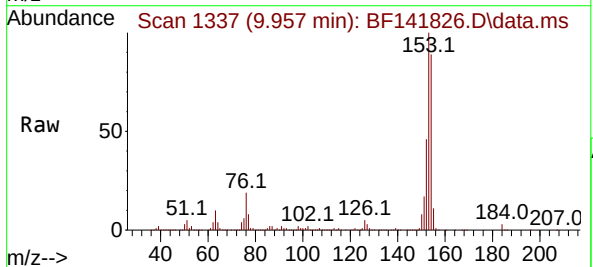
Instrument :  
BNA\_F  
ClientSampleId :  
PB166957BS

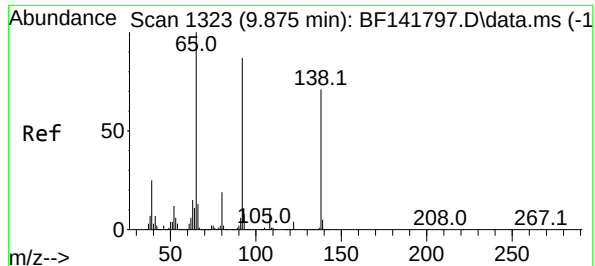
Tgt Ion:165 Resp: 381103  
Ion Ratio Lower Upper  
165 100  
63 58.2 49.5 74.3  
89 57.8 49.0 73.4



#52  
Acenaphthene  
Concen: 46.426 ng  
RT: 9.957 min Scan# 1337  
Delta R.T. -0.006 min  
Lab File: BF141826.D  
Acq: 04 Mar 2025 14:44

Tgt Ion:154 Resp: 1709248  
Ion Ratio Lower Upper  
154 100  
153 112.1 88.7 133.1  
152 51.3 40.9 61.3





#53

3-Nitroaniline

Concen: 28.525 ng

RT: 9.869 min Scan# 1322

Delta R.T. -0.006 min

Lab File: BF141826.D

Acq: 04 Mar 2025 14:44

Instrument :

BNA\_F

ClientSampleId :

PB166957BS

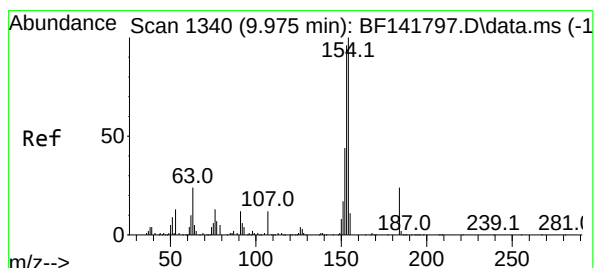
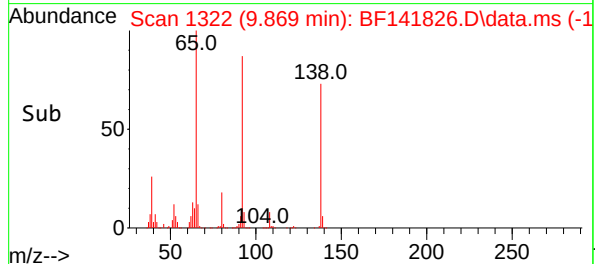
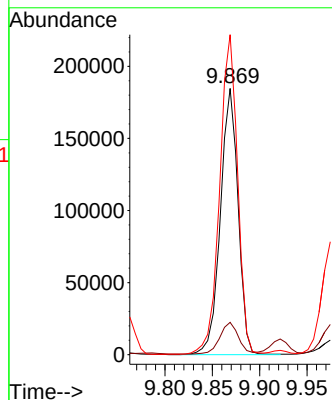
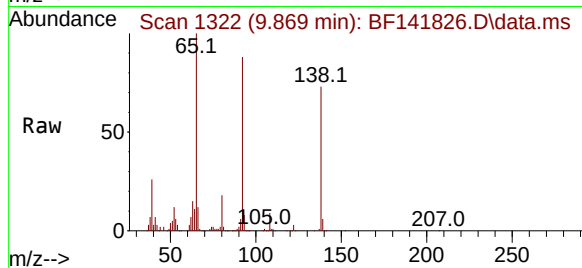
Tgt Ion:138 Resp: 240809

Ion Ratio Lower Upper

138 100

108 12.1 12.7 19.1#

92 120.2 97.9 146.9



#54

2,4-Dinitrophenol

Concen: 97.096 ng

RT: 9.975 min Scan# 1340

Delta R.T. -0.000 min

Lab File: BF141826.D

Acq: 04 Mar 2025 14:44

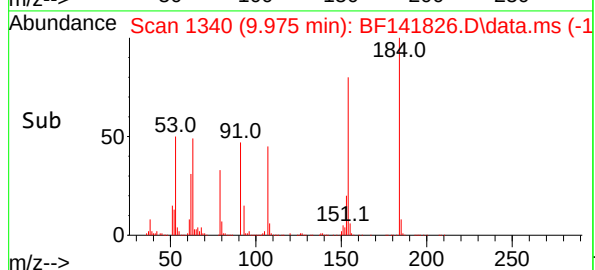
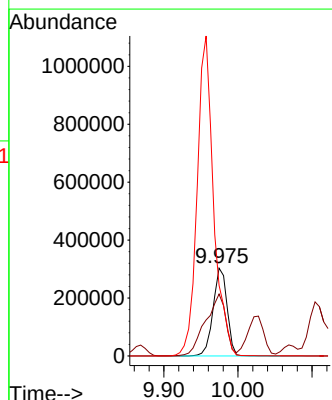
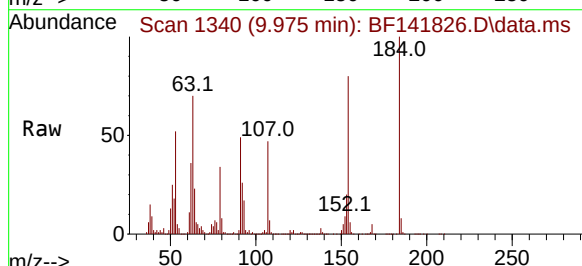
Tgt Ion:184 Resp: 397720

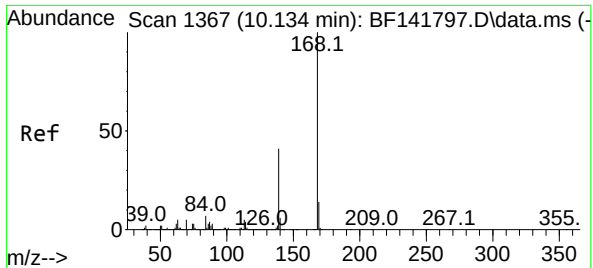
Ion Ratio Lower Upper

184 100

63 70.5 79.0 118.6#

154 80.3 335.8 503.8#





#55

Dibenzofuran

Concen: 40.304 ng

RT: 10.127 min Scan# 1366

Delta R.T. -0.006 min

Lab File: BF141826.D

Acq: 04 Mar 2025 14:44

Instrument :

BNA\_F

ClientSampleId :

PB166957BS

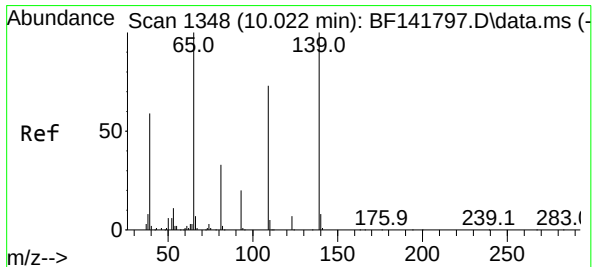
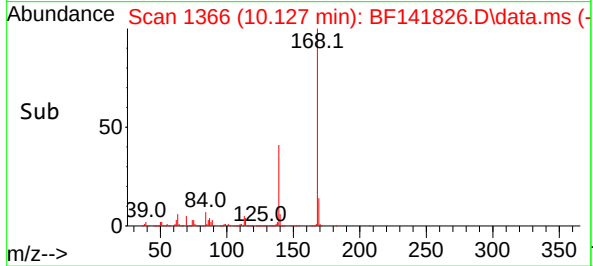
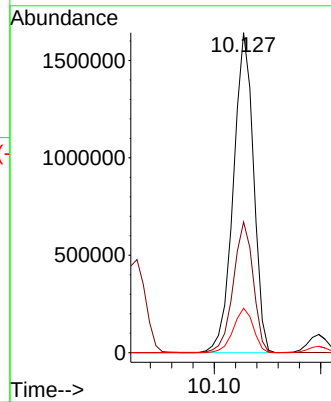
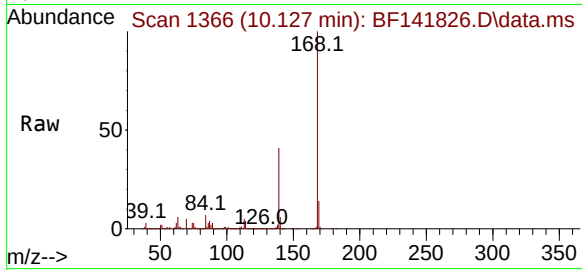
Tgt Ion:168 Resp: 2159728

Ion Ratio Lower Upper

168 100

139 40.8 32.9 49.3

169 13.9 11.1 16.7



#56

4-Nitrophenol

Concen: 113.699 ng

RT: 10.028 min Scan# 1349

Delta R.T. 0.006 min

Lab File: BF141826.D

Acq: 04 Mar 2025 14:44

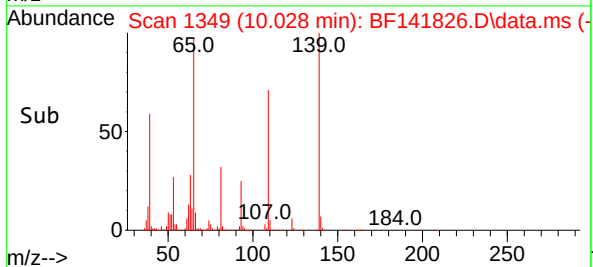
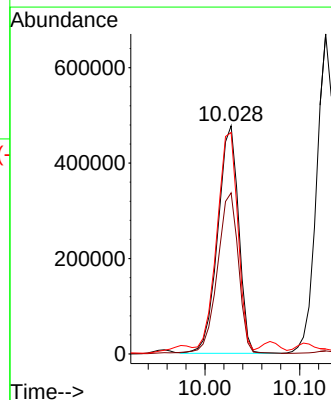
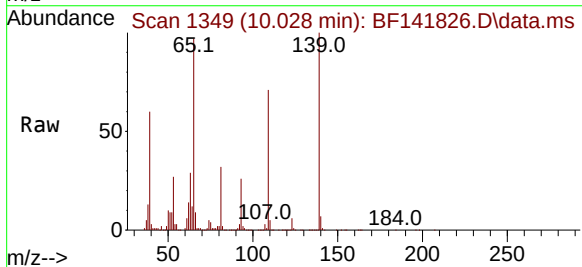
Tgt Ion:139 Resp: 728478

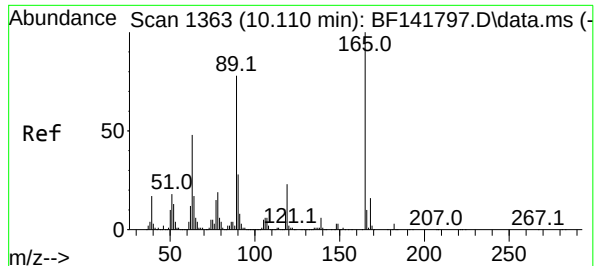
Ion Ratio Lower Upper

139 100

109 70.6 53.4 93.4

65 97.0 82.1 122.1





#57

2,4-Dinitrotoluene

Concen: 50.715 ng

RT: 10.104 min Scan# 1362

Delta R.T. -0.006 min

Lab File: BF141826.D

Acq: 04 Mar 2025 14:44

Instrument :

BNA\_F

ClientSampleId :

PB166957BS

Tgt Ion:165 Resp: 516243

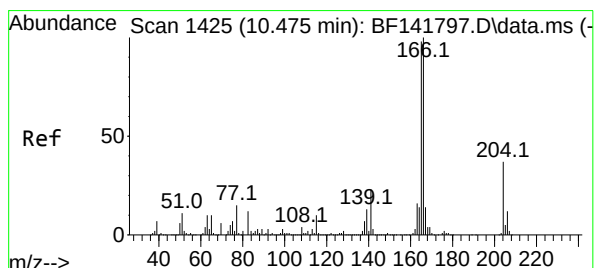
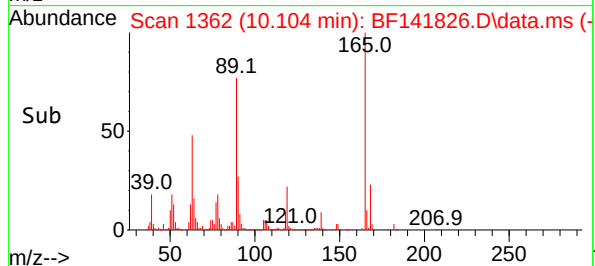
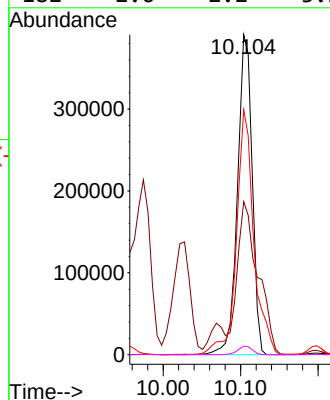
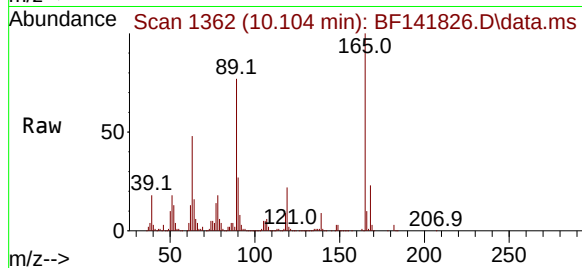
Ion Ratio Lower Upper

165 100

63 47.8 38.8 58.2

89 76.5 62.6 94.0

182 2.6 2.2 3.2



#58

Fluorene

Concen: 41.684 ng

RT: 10.469 min Scan# 1424

Delta R.T. -0.006 min

Lab File: BF141826.D

Acq: 04 Mar 2025 14:44

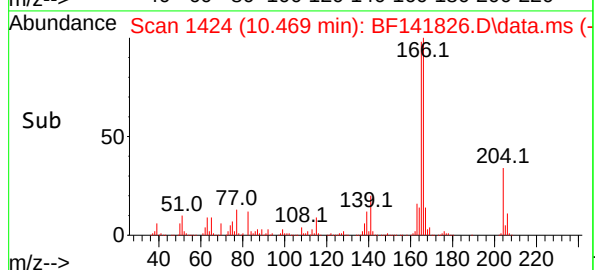
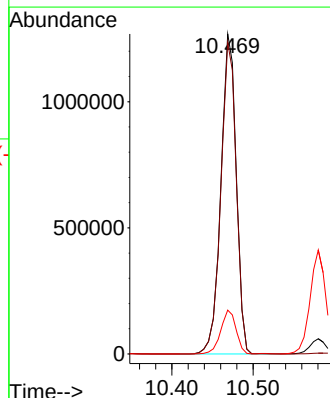
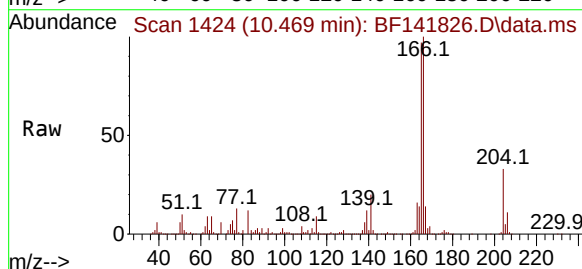
Tgt Ion:166 Resp: 1673154

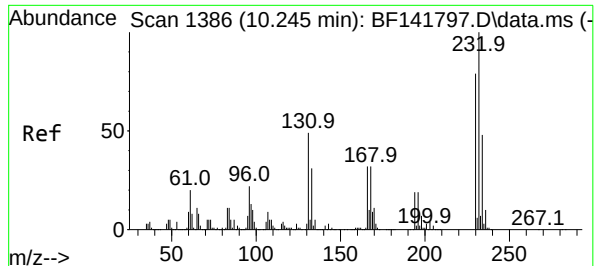
Ion Ratio Lower Upper

166 100

165 97.3 78.6 117.8

167 13.7 11.0 16.4

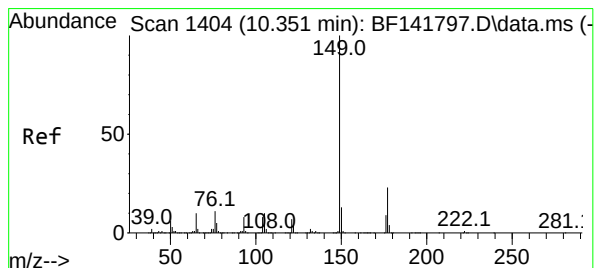
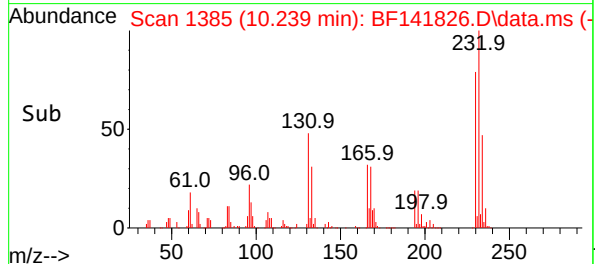
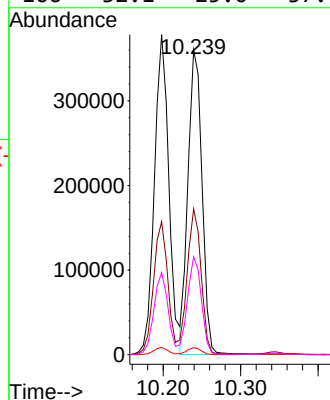
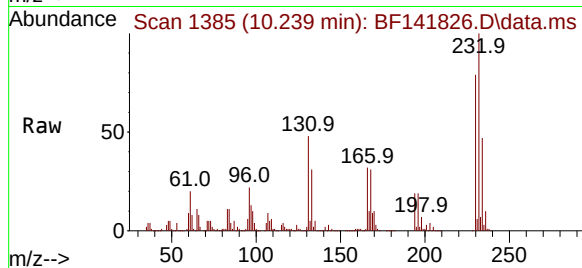




#59  
2,3,4,6-Tetrachlorophenol  
Concen: 43.576 ng  
RT: 10.239 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF141826.D  
Acq: 04 Mar 2025 14:44

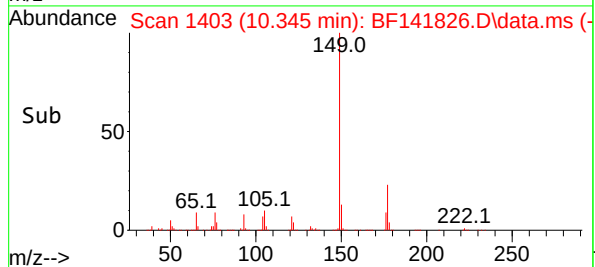
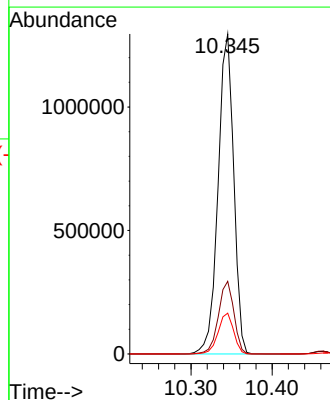
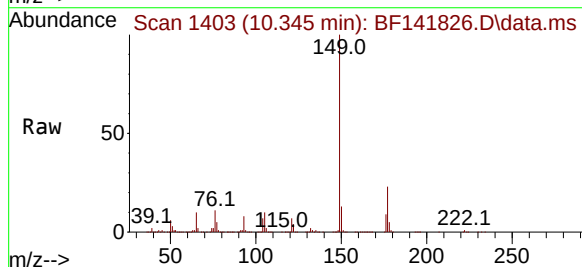
Instrument :  
BNA\_F  
ClientSampleId :  
PB166957BS

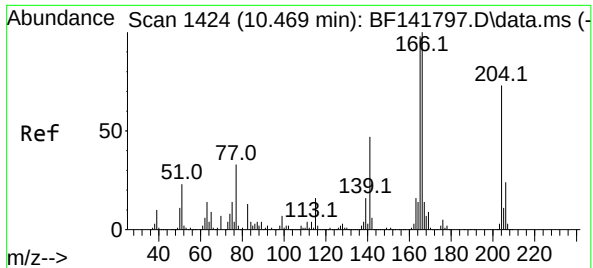
Tgt Ion:232 Resp: 453528  
Ion Ratio Lower Upper  
232 100  
131 47.7 37.8 56.8  
130 2.3 2.0 3.0  
166 32.1 25.0 37.4



#60  
Diethylphthalate  
Concen: 39.920 ng  
RT: 10.345 min Scan# 1403  
Delta R.T. -0.006 min  
Lab File: BF141826.D  
Acq: 04 Mar 2025 14:44

Tgt Ion:149 Resp: 1736070  
Ion Ratio Lower Upper  
149 100  
177 22.7 18.3 27.5  
150 12.7 10.3 15.5

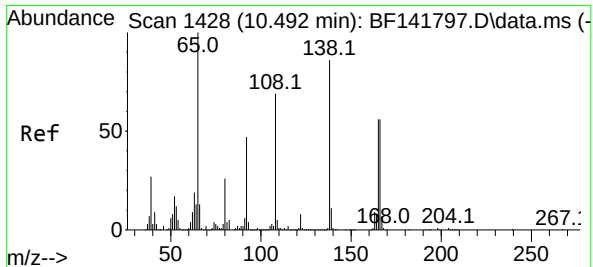
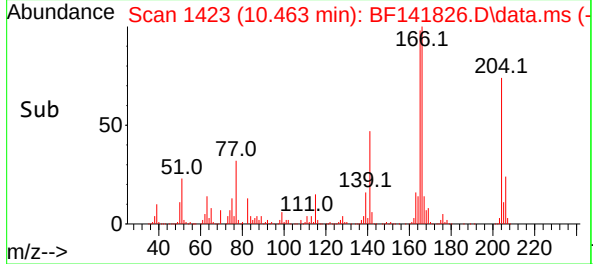
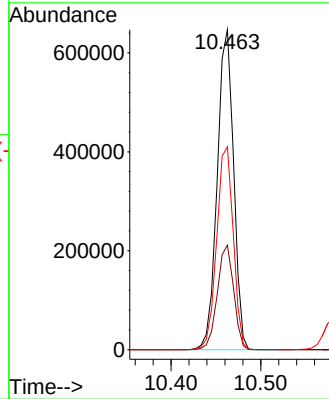
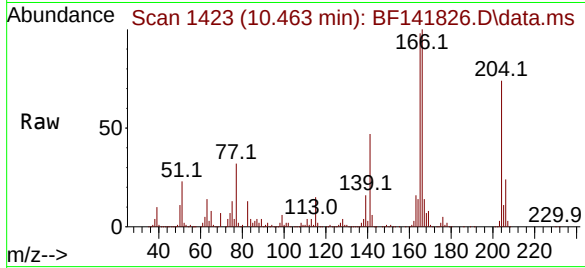




#61  
4-Chlorophenyl-phenylether  
Concen: 40.795 ng  
RT: 10.463 min Scan# 1423  
Delta R.T. -0.006 min  
Lab File: BF141826.D  
Acq: 04 Mar 2025 14:44

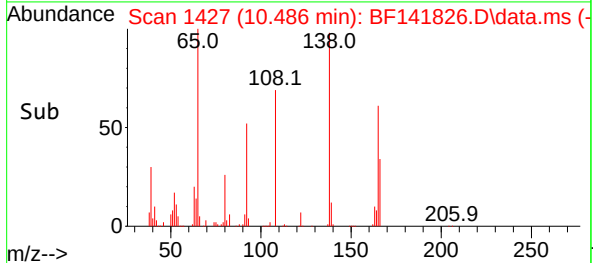
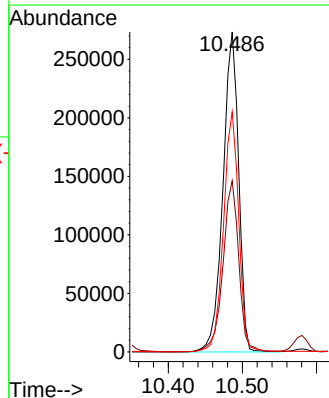
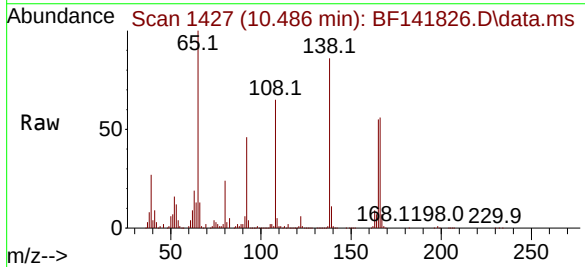
Instrument :  
BNA\_F  
ClientSampleId :  
PB166957BS

Tgt Ion:204 Resp: 820428  
Ion Ratio Lower Upper  
204 100  
206 32.7 26.2 39.4  
141 63.4 51.7 77.5

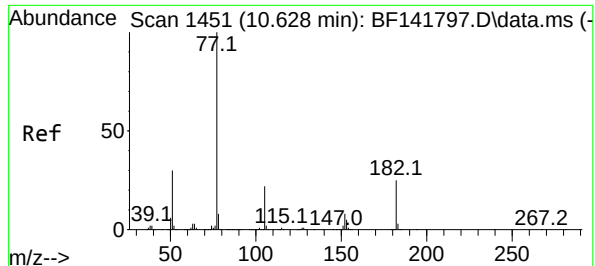


#62  
4-Nitroaniline  
Concen: 54.340 ng  
RT: 10.486 min Scan# 1427  
Delta R.T. -0.006 min  
Lab File: BF141826.D  
Acq: 04 Mar 2025 14:44

Tgt Ion:138 Resp: 402567  
Ion Ratio Lower Upper  
138 100  
92 53.5 34.9 74.9  
108 75.0 59.6 99.6





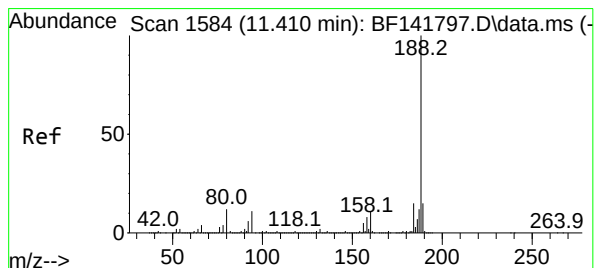
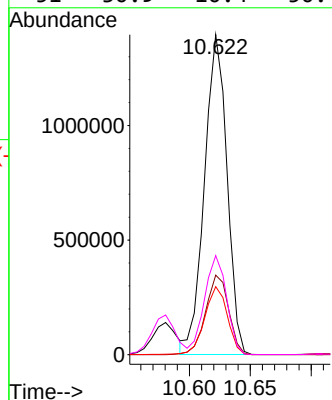
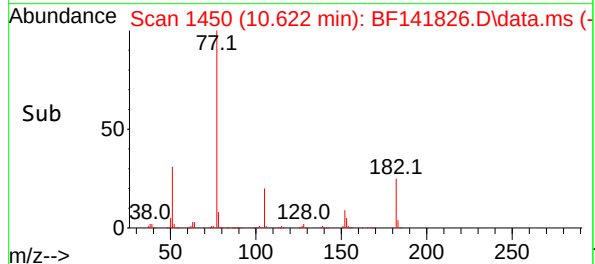
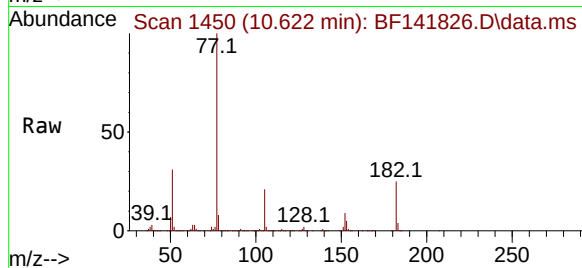


#63  
Azobenzene  
Concen: 39.271 ng  
RT: 10.622 min Scan# 1451  
Delta R.T. -0.006 min  
Lab File: BF141826.D  
Acq: 04 Mar 2025 14:44

Instrument :  
BNA\_F  
ClientSampleId :  
PB166957BS

Tgt Ion: 77 Resp: 1798212

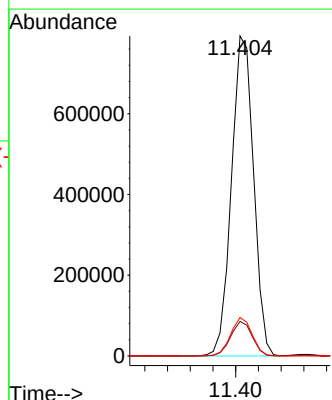
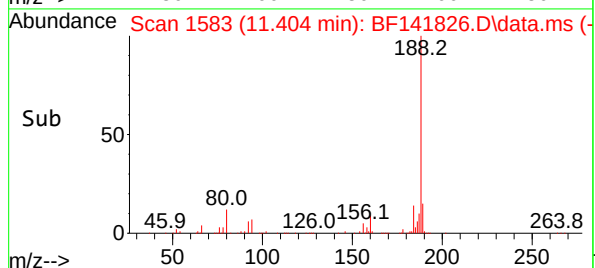
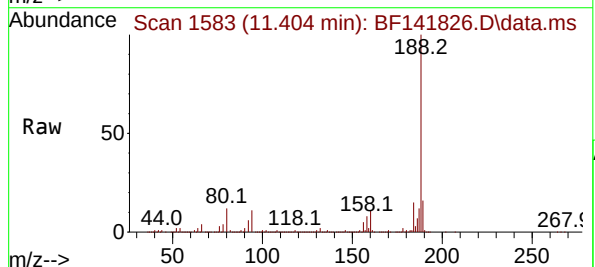
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 77  | 100   |       |       |
| 182 | 24.8  | 4.2   | 44.2  |
| 105 | 21.3  | 1.5   | 41.5  |
| 51  | 30.9  | 10.4  | 50.4  |

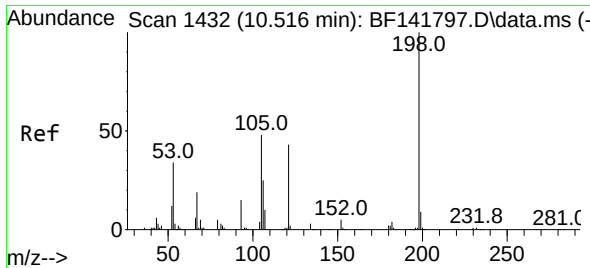


#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.404 min Scan# 1583  
Delta R.T. -0.006 min  
Lab File: BF141826.D  
Acq: 04 Mar 2025 14:44

Tgt Ion: 188 Resp: 1070678

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 188 | 100   |       |       |
| 94  | 10.8  | 8.9   | 13.3  |
| 80  | 12.0  | 9.7   | 14.5  |

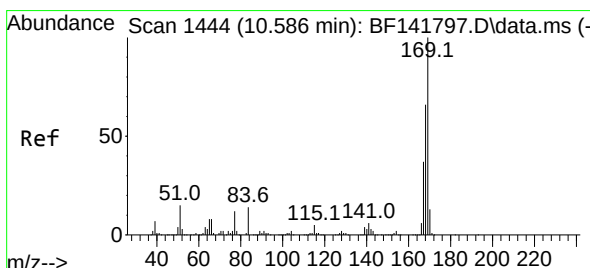
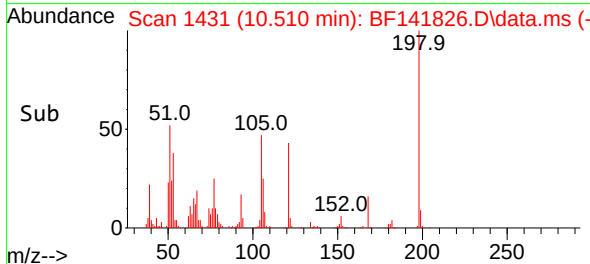
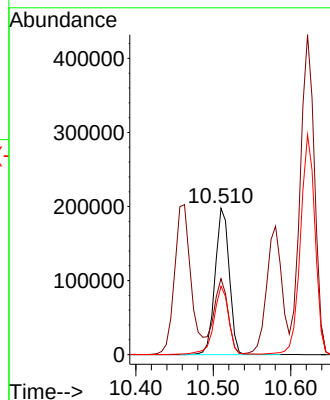
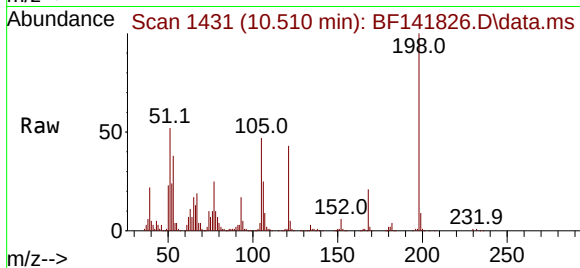




#65  
4,6-Dinitro-2-methylphenol  
Concen: 49.545 ng  
RT: 10.510 min Scan# 1431  
Delta R.T. -0.006 min  
Lab File: BF141826.D  
Acq: 04 Mar 2025 14:44

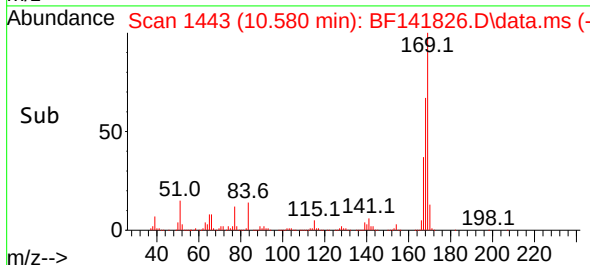
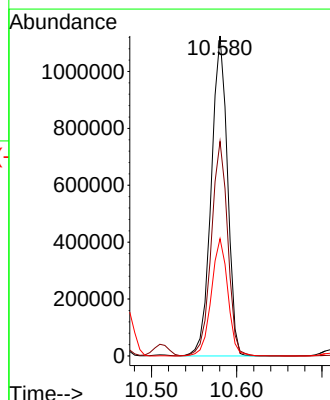
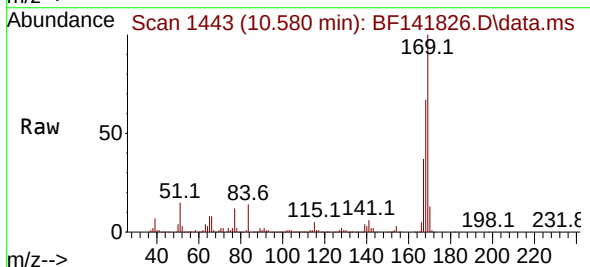
Instrument :  
BNA\_F  
ClientSampleId :  
PB166957BS

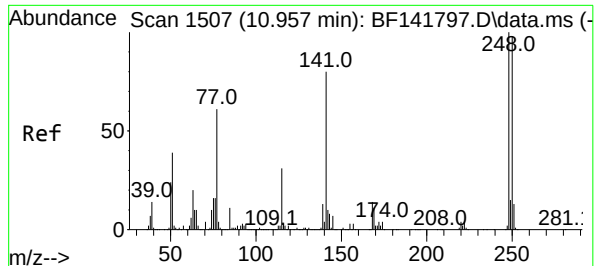
Tgt Ion:198 Resp: 251389  
Ion Ratio Lower Upper  
198 100  
51 51.9 32.1 72.1  
105 46.8 28.5 68.5



#66  
n-Nitrosodiphenylamine  
Concen: 42.175 ng  
RT: 10.580 min Scan# 1443  
Delta R.T. -0.006 min  
Lab File: BF141826.D  
Acq: 04 Mar 2025 14:44

Tgt Ion:169 Resp: 1482764  
Ion Ratio Lower Upper  
169 100  
168 67.0 53.0 79.6  
167 36.6 29.3 43.9

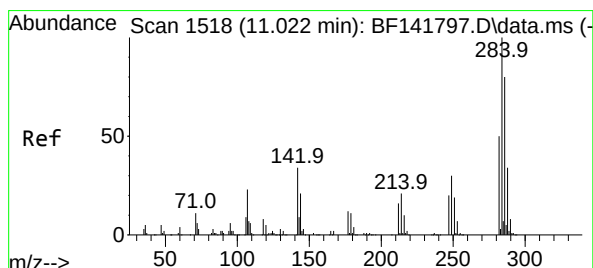
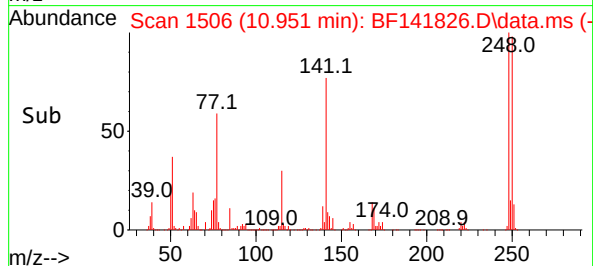
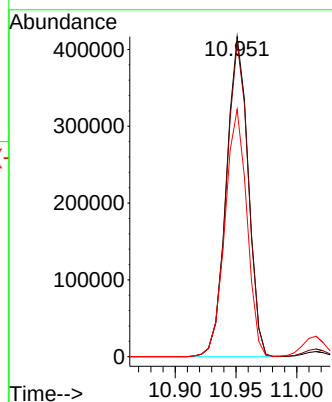
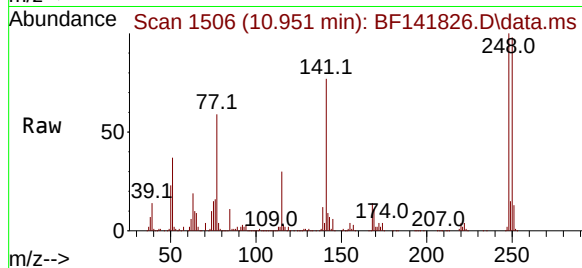




#67  
4-Bromophenyl-phenylether  
Concen: 41.658 ng  
RT: 10.951 min Scan# 1506  
Delta R.T. -0.006 min  
Lab File: BF141826.D  
Acq: 04 Mar 2025 14:44

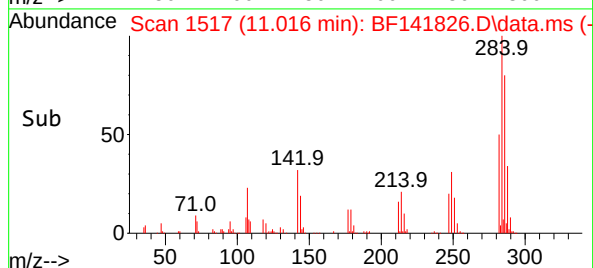
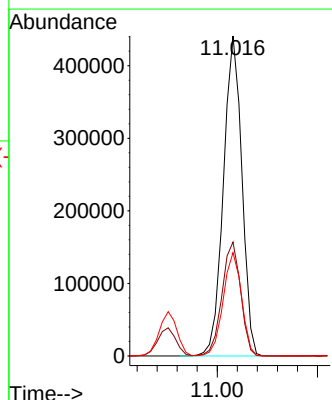
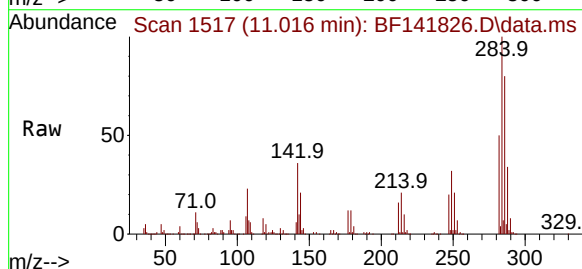
Instrument :  
BNA\_F  
ClientSampleId :  
PB166957BS

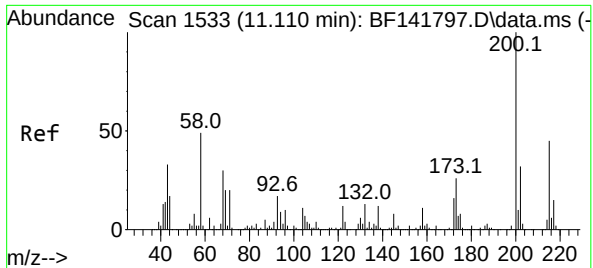
Tgt Ion:248 Resp: 520971  
Ion Ratio Lower Upper  
248 100  
250 98.2 78.1 117.1  
141 77.3 64.3 96.5



#68  
Hexachlorobenzene  
Concen: 42.558 ng  
RT: 11.016 min Scan# 1517  
Delta R.T. -0.006 min  
Lab File: BF141826.D  
Acq: 04 Mar 2025 14:44

Tgt Ion:284 Resp: 562016  
Ion Ratio Lower Upper  
284 100  
142 35.6 28.2 42.2  
249 32.3 25.5 38.3





#69

Atrazine

Concen: 58.020 ng

RT: 11.104 min Scan# 1532

Delta R.T. -0.006 min

Lab File: BF141826.D

Acq: 04 Mar 2025 14:44

Instrument :

BNA\_F

ClientSampleId :

PB166957BS

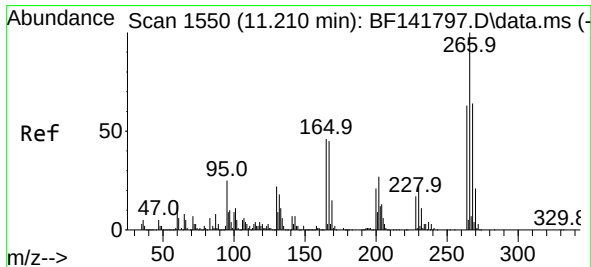
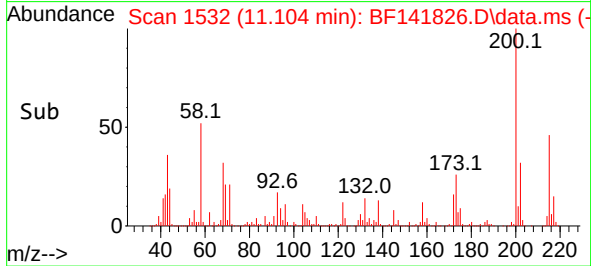
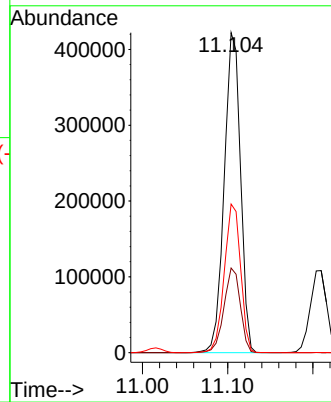
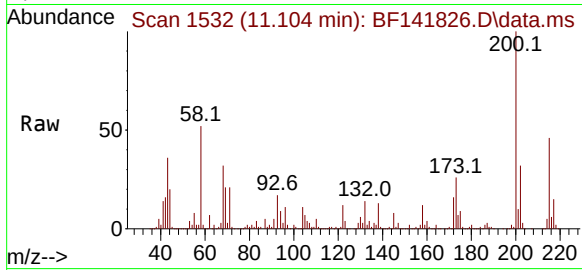
Tgt Ion:200 Resp: 560941

Ion Ratio Lower Upper

200 100

173 26.5 5.6 45.6

215 46.4 25.3 65.3



#70

Pentachlorophenol

Concen: 87.240 ng

RT: 11.210 min Scan# 1550

Delta R.T. -0.000 min

Lab File: BF141826.D

Acq: 04 Mar 2025 14:44

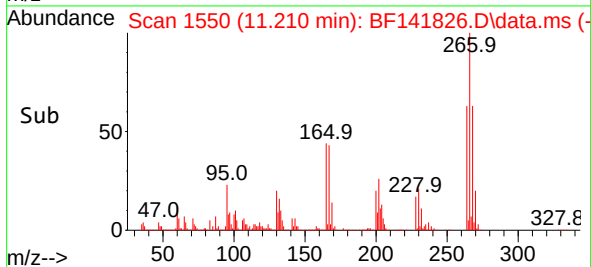
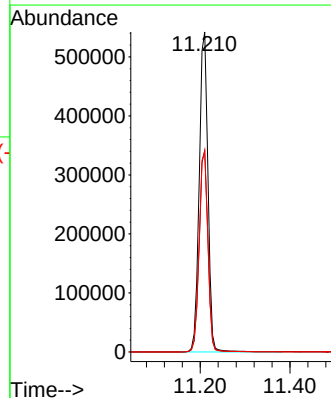
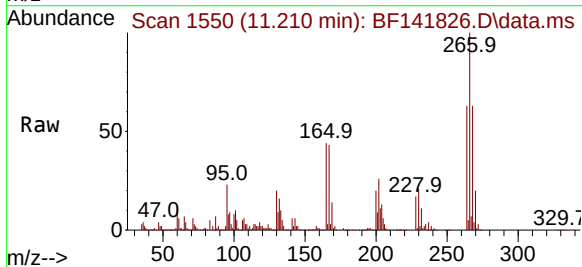
Tgt Ion:266 Resp: 730696

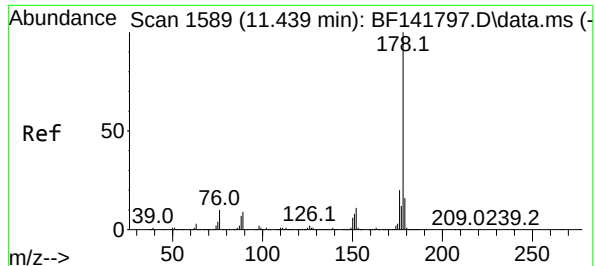
Ion Ratio Lower Upper

266 100

268 63.0 50.9 76.3

264 62.7 50.2 75.4





#71

Phenanthrene

Concen: 42.534 ng

RT: 11.433 min Scan# 1588

Delta R.T. -0.006 min

Lab File: BF141826.D

Acq: 04 Mar 2025 14:44

Instrument :

BNA\_F

ClientSampleId :

PB166957BS

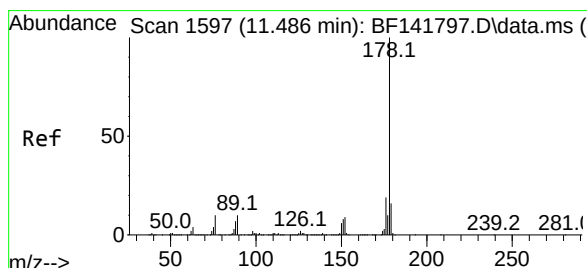
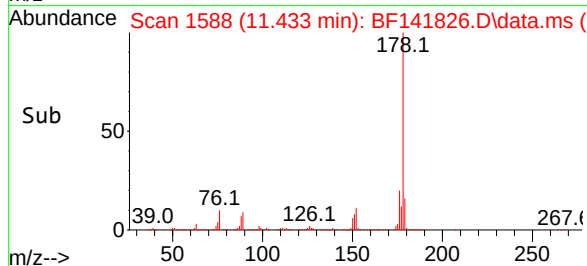
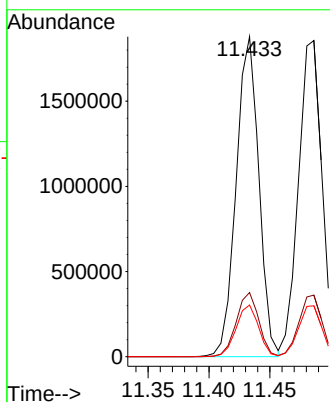
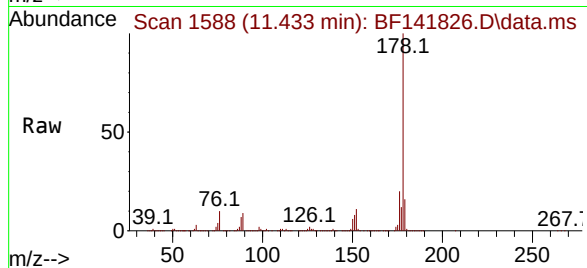
Tgt Ion:178 Resp: 2435929

Ion Ratio Lower Upper

178 100

176 20.1 16.0 24.0

179 16.2 12.6 19.0



#72

Anthracene

Concen: 43.327 ng

RT: 11.486 min Scan# 1597

Delta R.T. -0.000 min

Lab File: BF141826.D

Acq: 04 Mar 2025 14:44

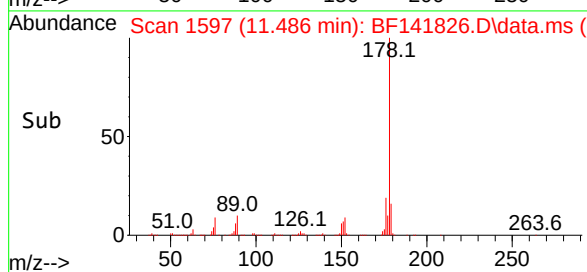
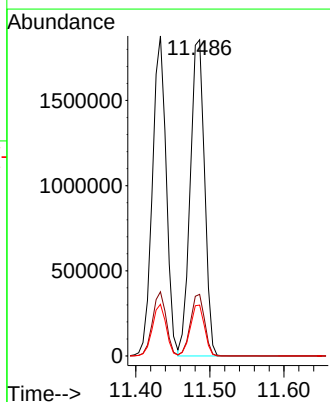
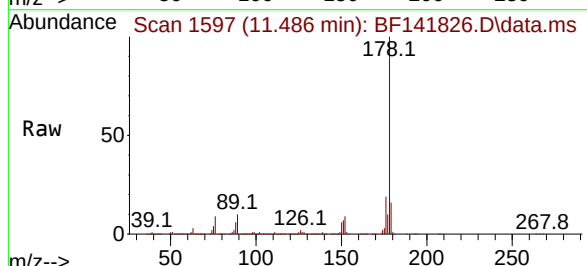
Tgt Ion:178 Resp: 2486891

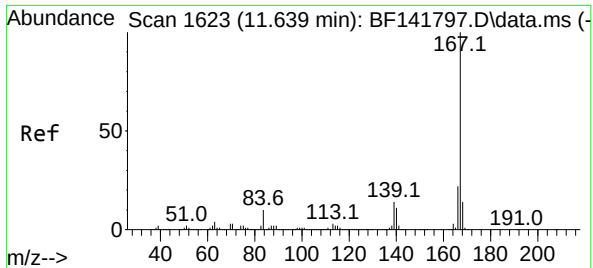
Ion Ratio Lower Upper

178 100

176 19.5 15.4 23.0

179 16.1 12.8 19.2

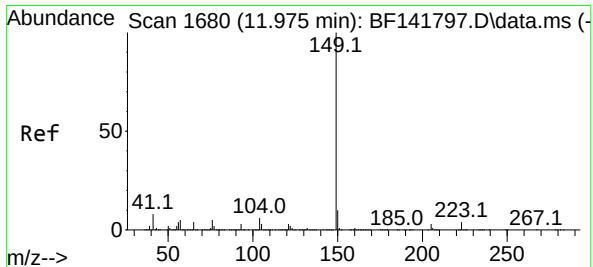
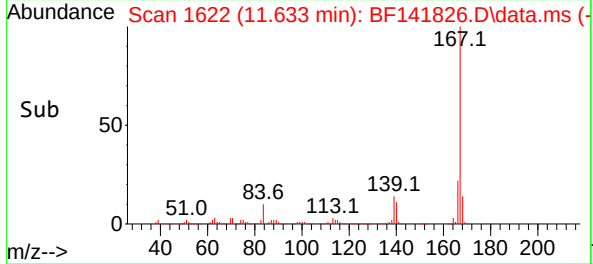
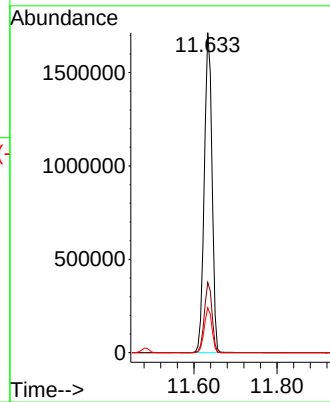
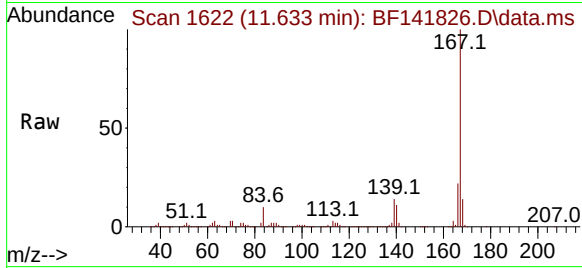




#73  
Carbazole  
Concen: 43.660 ng  
RT: 11.633 min Scan# 1622  
Delta R.T. -0.006 min  
Lab File: BF141826.D  
Acq: 04 Mar 2025 14:44

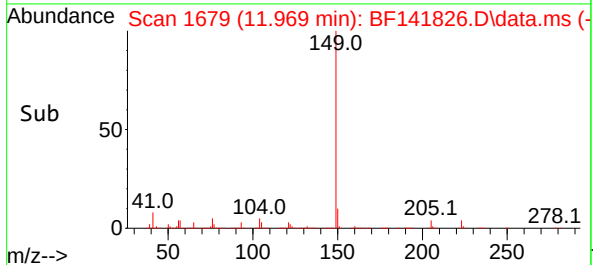
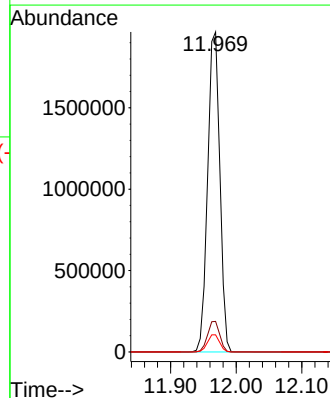
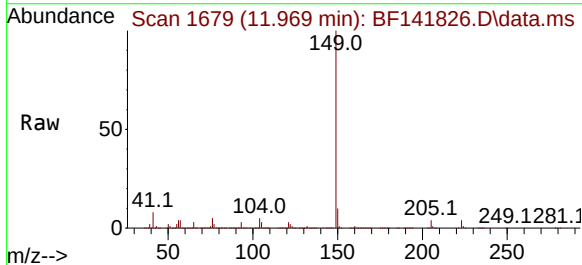
Instrument :  
BNA\_F  
ClientSampleId :  
PB166957BS

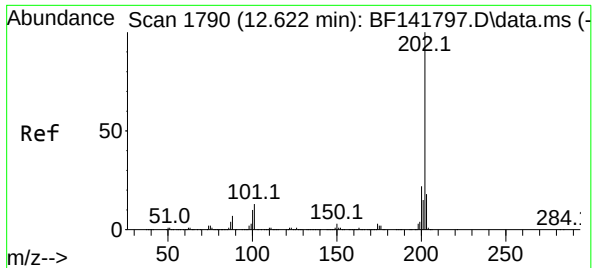
Tgt Ion:167 Resp: 2212995  
Ion Ratio Lower Upper  
167 100  
166 22.0 17.5 26.3  
139 14.1 11.3 16.9



#74  
Di-n-butylphthalate  
Concen: 39.584 ng  
RT: 11.969 min Scan# 1679  
Delta R.T. -0.006 min  
Lab File: BF141826.D  
Acq: 04 Mar 2025 14:44

Tgt Ion:149 Resp: 2543275  
Ion Ratio Lower Upper  
149 100  
150 9.6 7.7 11.5  
104 5.4 4.4 6.6

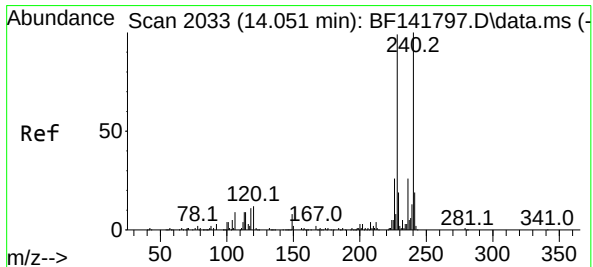
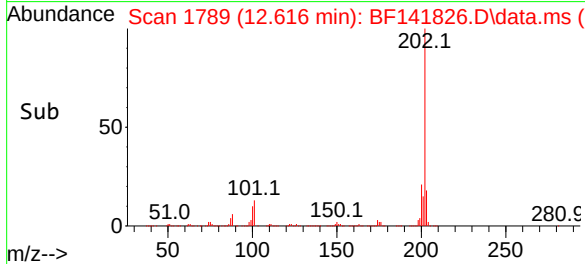
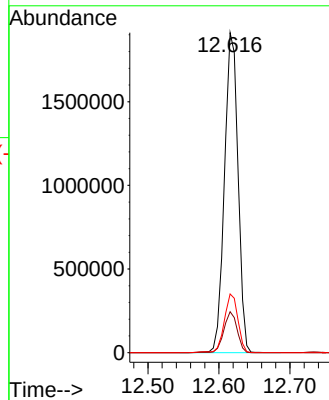
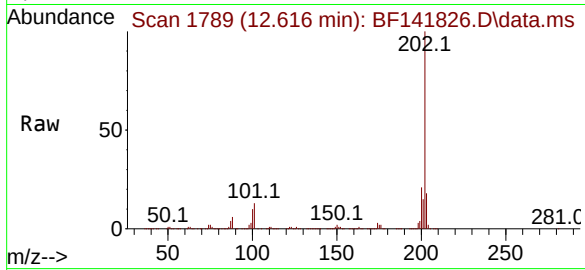




#75  
Fluoranthene  
Concen: 43.036 ng  
RT: 12.616 min Scan# 1789  
Delta R.T. -0.006 min  
Lab File: BF141826.D  
Acq: 04 Mar 2025 14:44

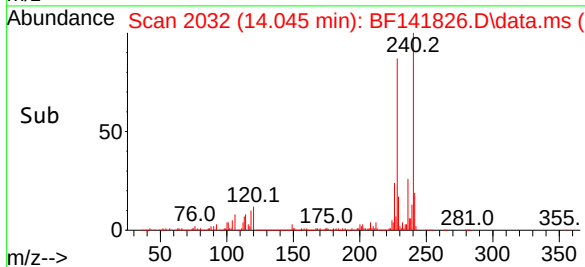
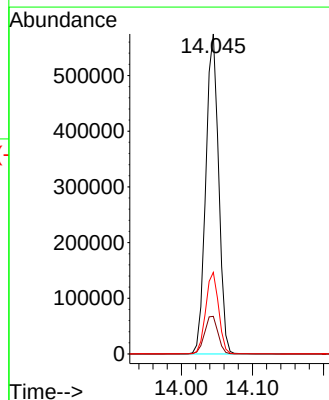
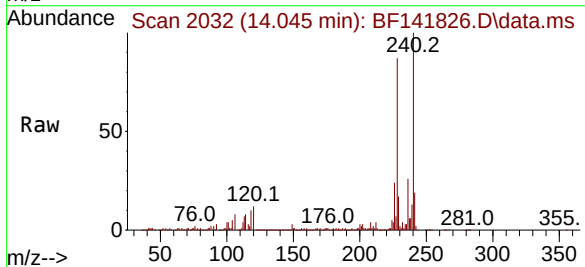
Instrument :  
BNA\_F  
ClientSampleId :  
PB166957BS

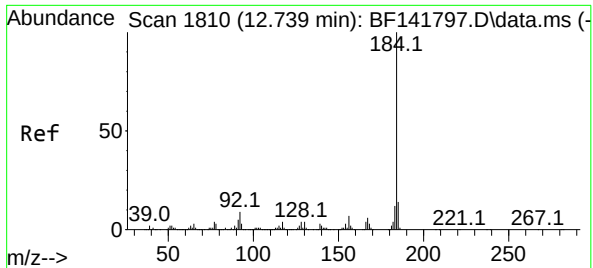
Tgt Ion:202 Resp: 2525462  
Ion Ratio Lower Upper  
202 100  
101 12.8 0.0 32.8  
203 18.4 0.0 38.0



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.045 min Scan# 2032  
Delta R.T. -0.006 min  
Lab File: BF141826.D  
Acq: 04 Mar 2025 14:44

Tgt Ion:240 Resp: 723159  
Ion Ratio Lower Upper  
240 100  
120 11.8 9.7 14.5  
236 25.5 21.0 31.4

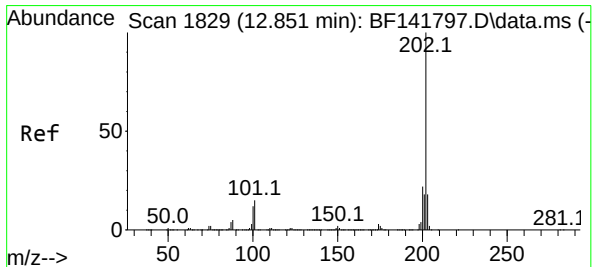
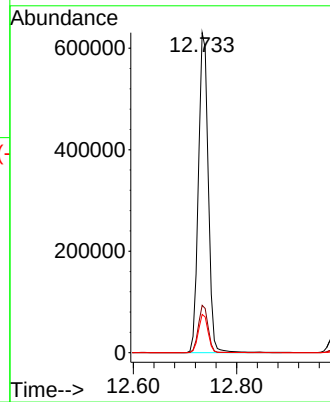
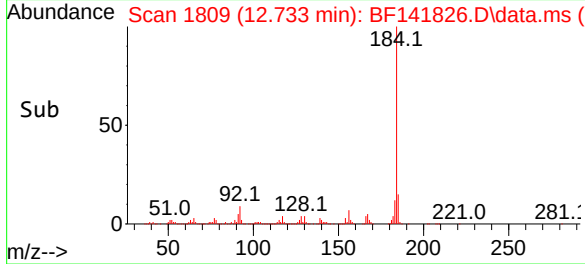
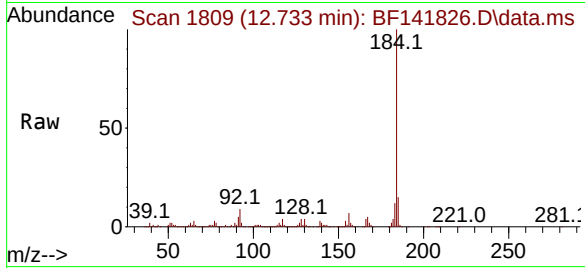




#77  
Benzidine  
Concen: 91.311 ng  
RT: 12.733 min Scan# 1810  
Delta R.T. -0.006 min  
Lab File: BF141826.D  
Acq: 04 Mar 2025 14:44

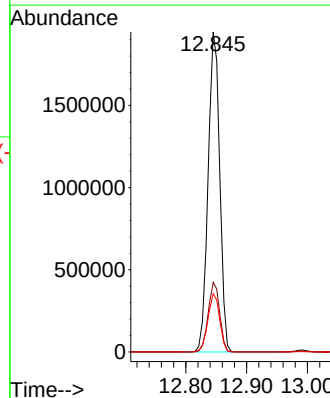
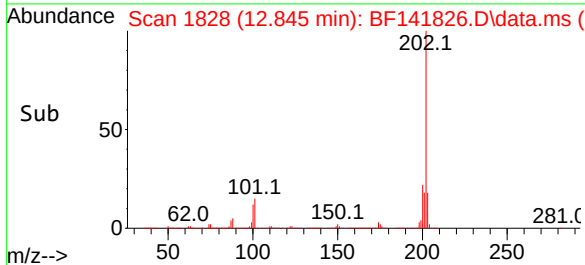
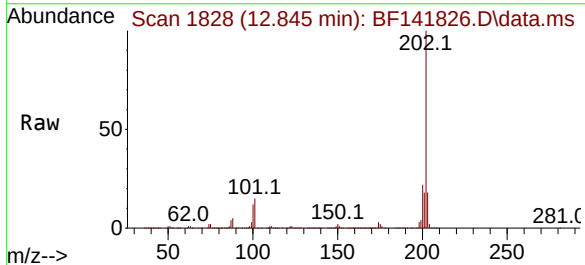
Instrument :  
BNA\_F  
ClientSampleId :  
PB166957BS

Tgt Ion:184 Resp: 831114  
Ion Ratio Lower Upper  
184 100  
185 14.8 11.6 17.4  
183 11.9 9.4 14.0

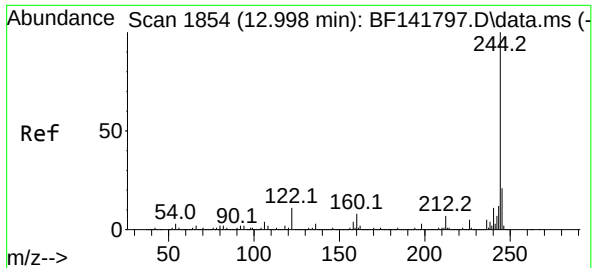


#78  
Pyrene  
Concen: 41.100 ng  
RT: 12.845 min Scan# 1828  
Delta R.T. -0.006 min  
Lab File: BF141826.D  
Acq: 04 Mar 2025 14:44

Tgt Ion:202 Resp: 2573723  
Ion Ratio Lower Upper  
202 100  
200 21.7 17.4 26.0  
203 18.2 14.6 22.0







#79

Terphenyl-d14

Concen: 89.069 ng

RT: 12.992 min Scan# 1853

Delta R.T. -0.006 min

Lab File: BF141826.D

Acq: 04 Mar 2025 14:44

Instrument :

BNA\_F

ClientSampleId :

PB166957BS

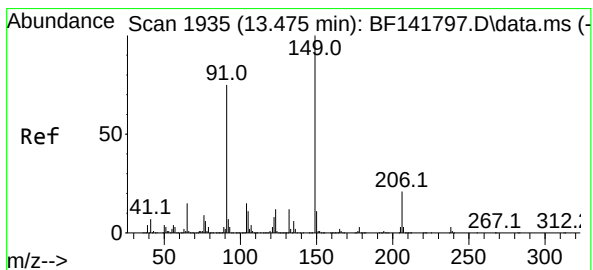
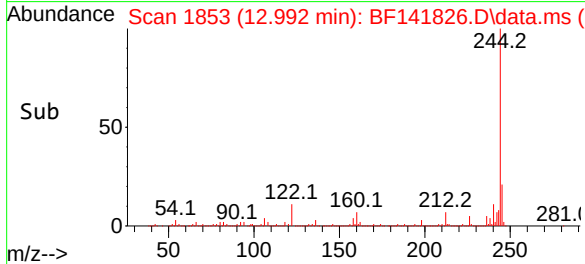
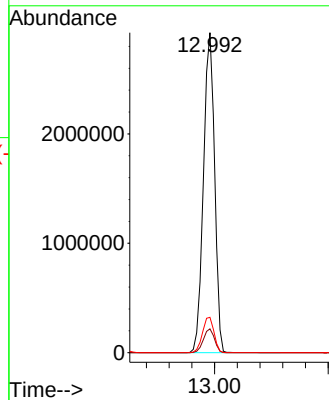
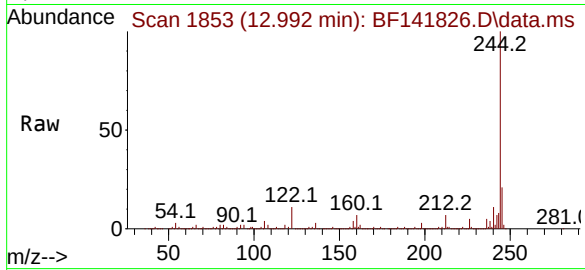
Tgt Ion:244 Resp: 3981121

Ion Ratio Lower Upper

244 100

212 7.5 6.0 9.0

122 11.0 9.0 13.6



#80

Butylbenzylphthalate

Concen: 44.108 ng

RT: 13.463 min Scan# 1933

Delta R.T. -0.012 min

Lab File: BF141826.D

Acq: 04 Mar 2025 14:44

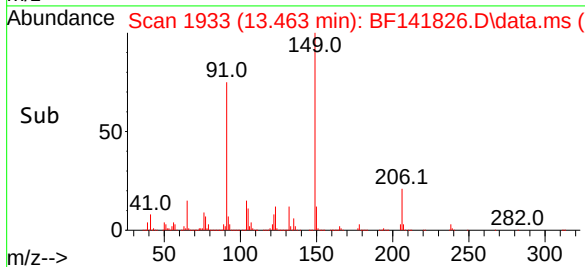
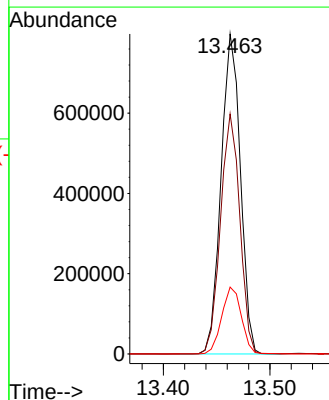
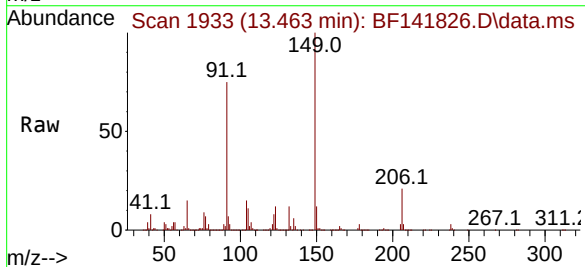
Tgt Ion:149 Resp: 1003521

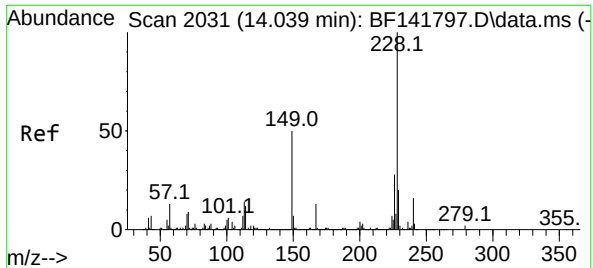
Ion Ratio Lower Upper

149 100

91 75.0 60.1 90.1

206 20.9 16.8 25.2





#81

Benzo(a)anthracene

Concen: 41.820 ng

RT: 14.033 min Scan# 2031

Delta R.T. -0.006 min

Lab File: BF141826.D

Acq: 04 Mar 2025 14:44

Instrument :

BNA\_F

ClientSampleId :

PB166957BS

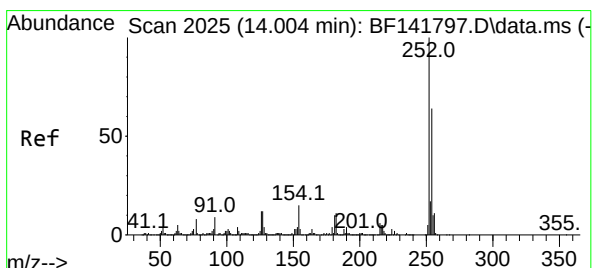
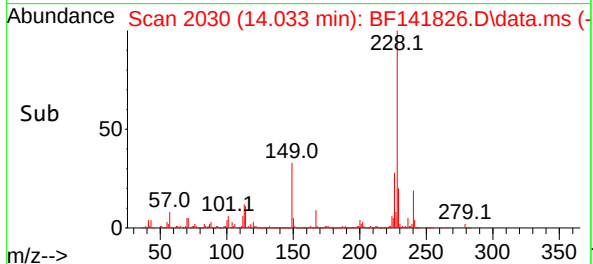
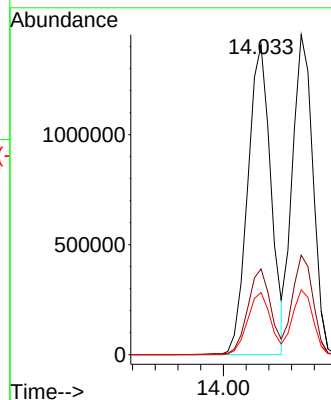
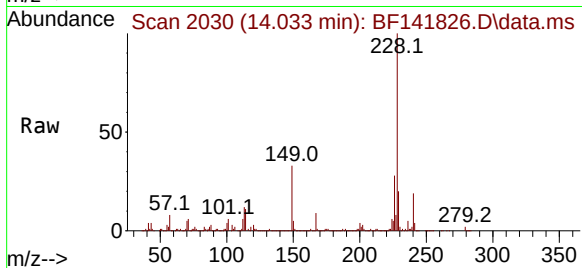
Tgt Ion:228 Resp: 1997580

Ion Ratio Lower Upper

228 100

226 27.7 22.1 33.1

229 20.1 16.1 24.1



#82

3,3'-Dichlorobenzidine

Concen: 27.161 ng

RT: 13.992 min Scan# 2023

Delta R.T. -0.012 min

Lab File: BF141826.D

Acq: 04 Mar 2025 14:44

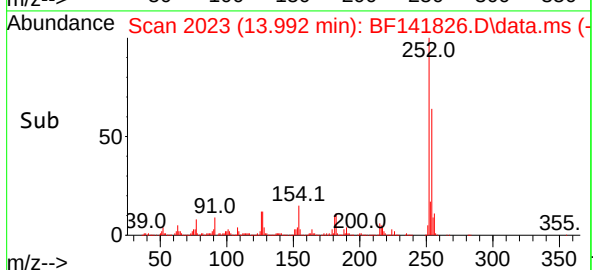
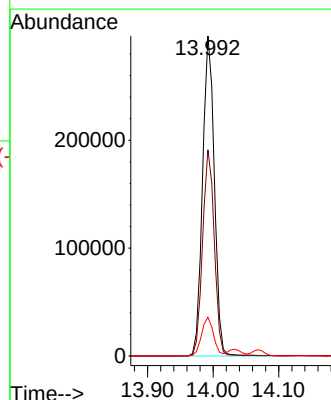
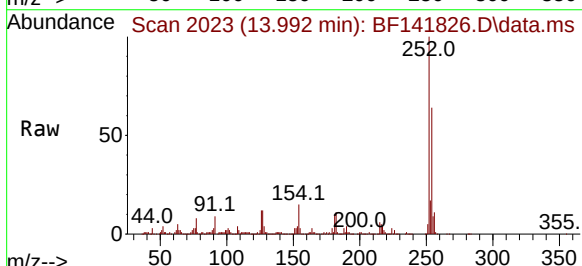
Tgt Ion:252 Resp: 372226

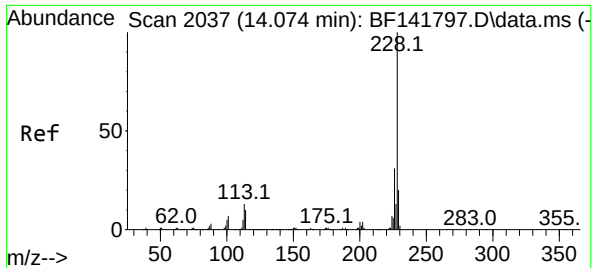
Ion Ratio Lower Upper

252 100

254 64.5 51.4 77.0

126 12.1 9.8 14.6





#83

Chrysene

Concen: 41.457 ng

RT: 14.068 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF141826.D

Acq: 04 Mar 2025 14:44

Instrument :

BNA\_F

ClientSampleId :

PB166957BS

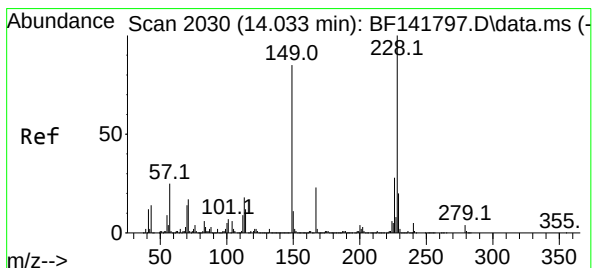
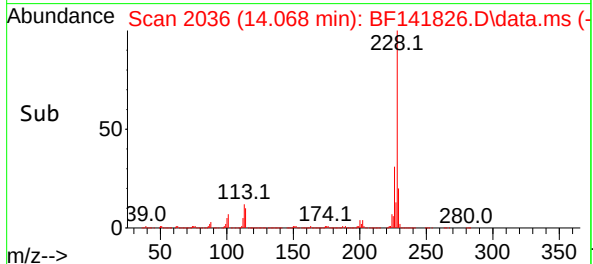
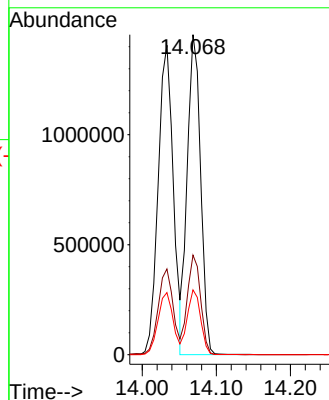
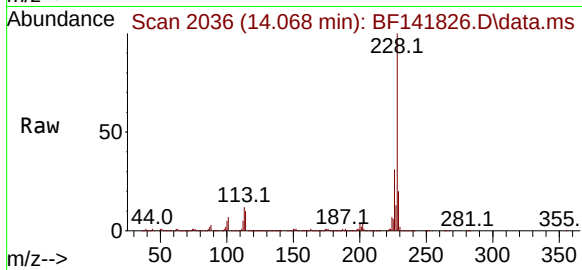
Tgt Ion:228 Resp: 1825435

Ion Ratio Lower Upper

228 100

226 31.1 24.6 37.0

229 20.3 16.1 24.1



#84

Bis(2-ethylhexyl)phthalate

Concen: 44.606 ng

RT: 14.021 min Scan# 2028

Delta R.T. -0.012 min

Lab File: BF141826.D

Acq: 04 Mar 2025 14:44

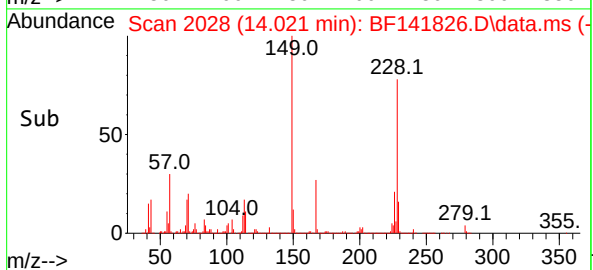
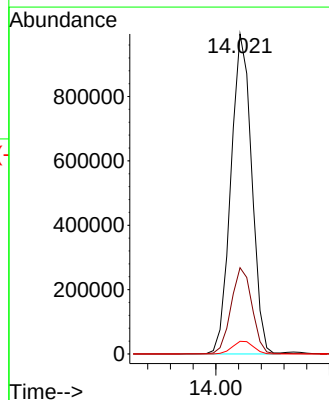
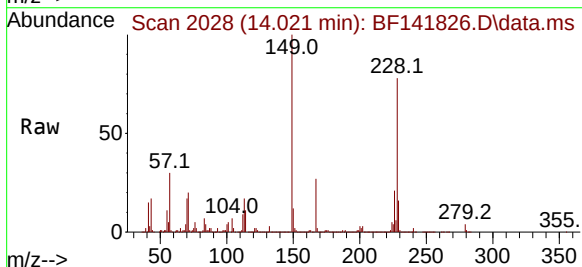
Tgt Ion:149 Resp: 1263650

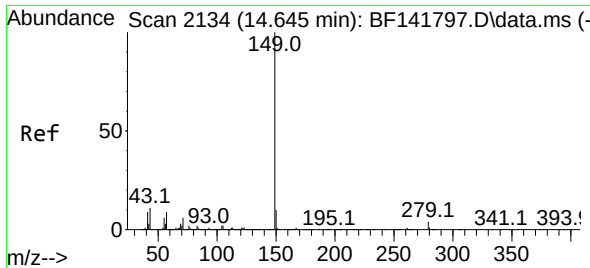
Ion Ratio Lower Upper

149 100

167 27.0 21.2 31.8

279 3.9 3.3 4.9

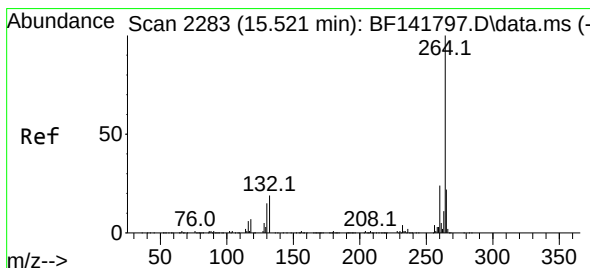
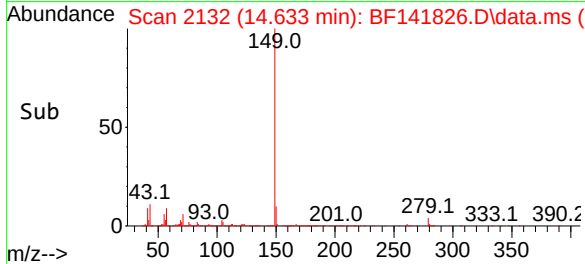
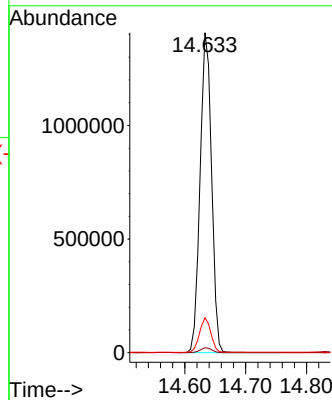
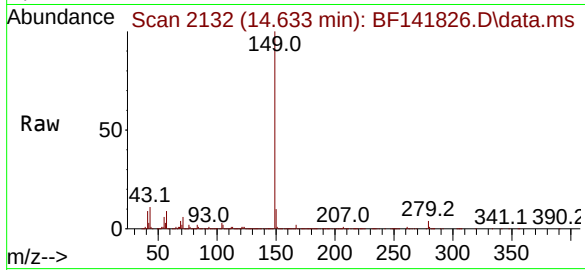




#85  
Di-n-octyl phthalate  
Concen: 43.441 ng  
RT: 14.633 min Scan# 2132  
Delta R.T. -0.012 min  
Lab File: BF141826.D  
Acq: 04 Mar 2025 14:44

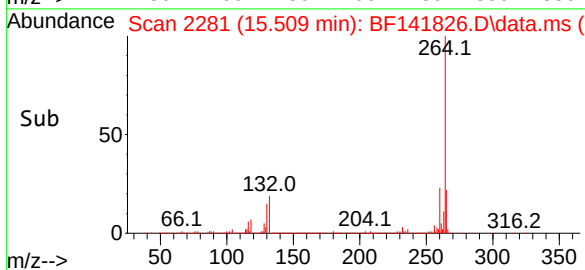
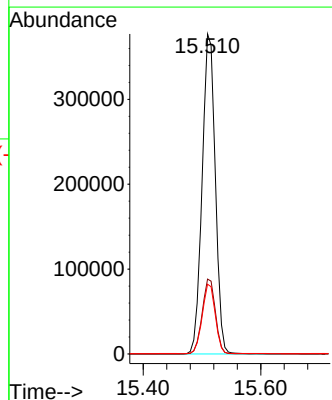
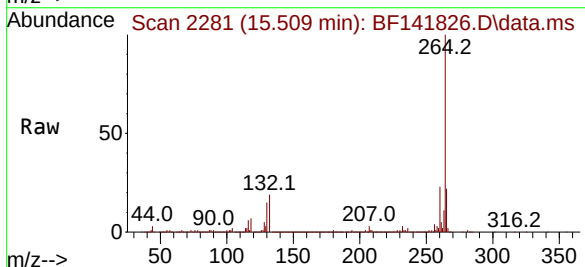
Instrument :  
BNA\_F  
ClientSampleId :  
PB166957BS

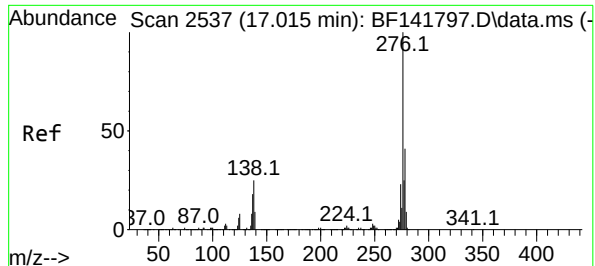
Tgt Ion:149 Resp: 1842435  
Ion Ratio Lower Upper  
149 100  
167 1.5 1.2 1.8  
43 10.7 8.6 12.8



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.509 min Scan# 2281  
Delta R.T. -0.012 min  
Lab File: BF141826.D  
Acq: 04 Mar 2025 14:44

Tgt Ion:264 Resp: 587091  
Ion Ratio Lower Upper  
264 100  
260 23.4 18.9 28.3  
265 21.8 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 44.250 ng

RT: 17.004 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF141826.D

Acq: 04 Mar 2025 14:44

Instrument :

BNA\_F

ClientSampleId :

PB166957BS

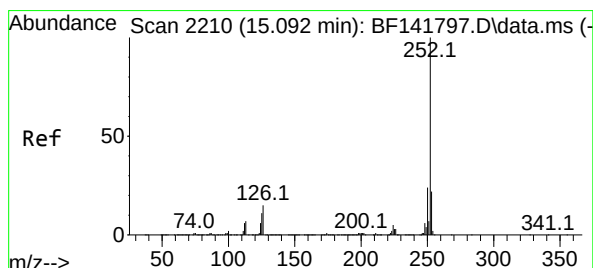
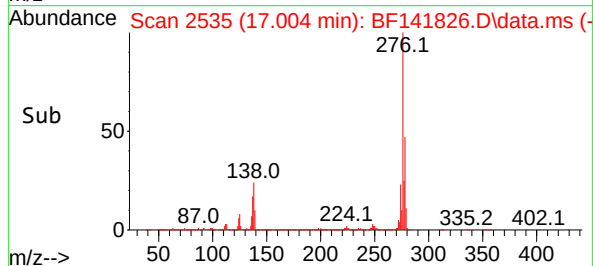
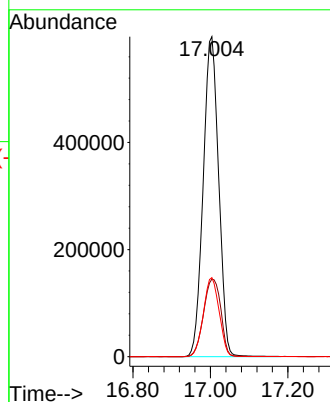
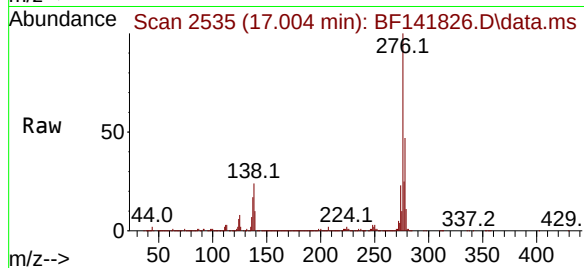
Tgt Ion:276 Resp: 1654234

Ion Ratio Lower Upper

276 100

138 27.0 22.5 33.7

277 25.2 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 42.194 ng

RT: 15.080 min Scan# 2208

Delta R.T. -0.012 min

Lab File: BF141826.D

Acq: 04 Mar 2025 14:44

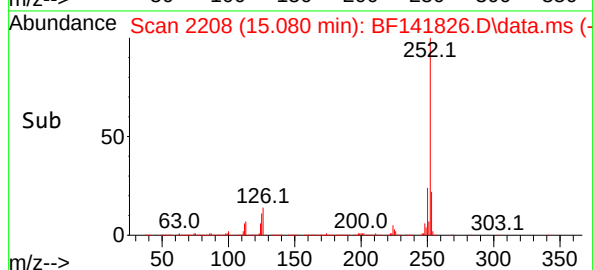
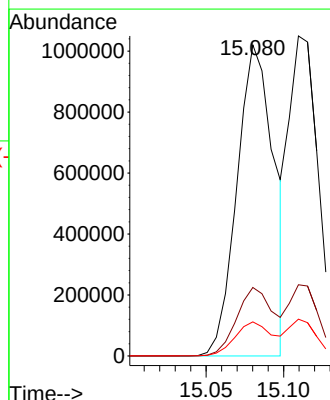
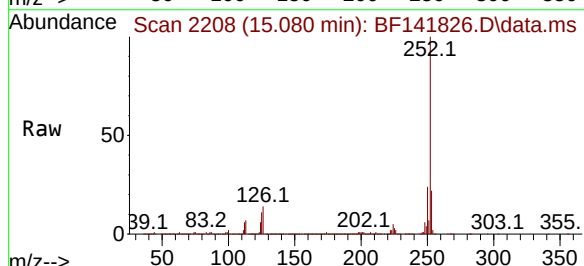
Tgt Ion:252 Resp: 1687386

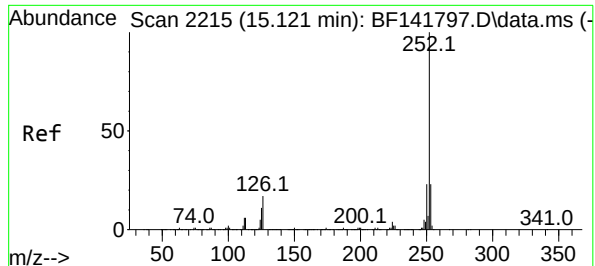
Ion Ratio Lower Upper

252 100

253 22.0 17.7 26.5

125 11.0 8.6 13.0





#89

Benzo(k)fluoranthene

Concen: 40.603 ng

RT: 15.110 min Scan# 2215

Delta R.T. -0.012 min

Lab File: BF141826.D

Acq: 04 Mar 2025 14:44

Instrument :

BNA\_F

ClientSampleId :

PB166957BS

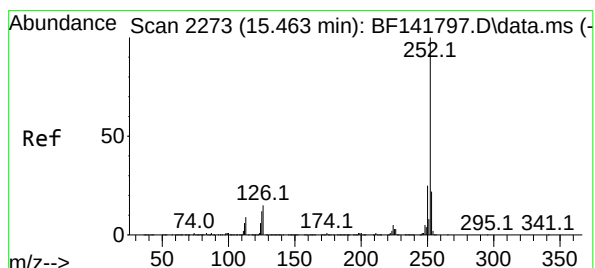
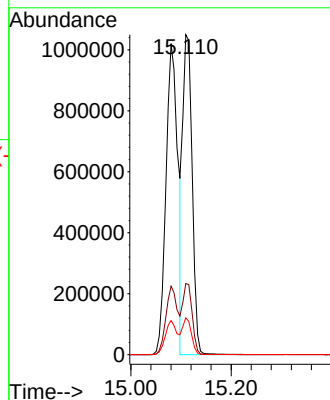
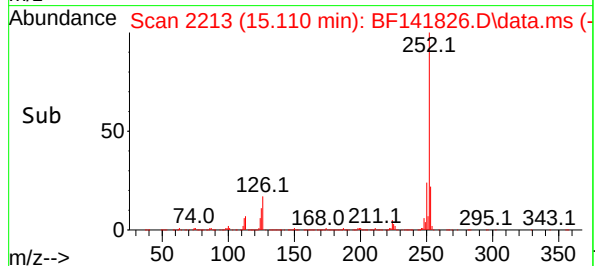
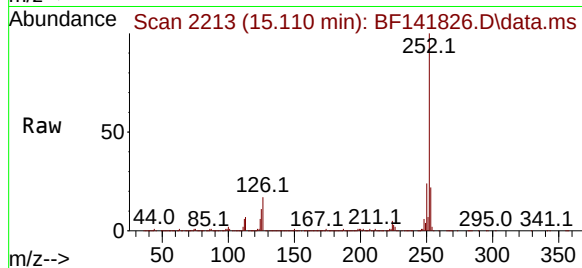
Tgt Ion:252 Resp: 1380109

Ion Ratio Lower Upper

252 100

253 22.2 17.8 26.8

125 11.5 8.8 13.2



#90

Benzo(a)pyrene

Concen: 44.664 ng

RT: 15.451 min Scan# 2271

Delta R.T. -0.012 min

Lab File: BF141826.D

Acq: 04 Mar 2025 14:44

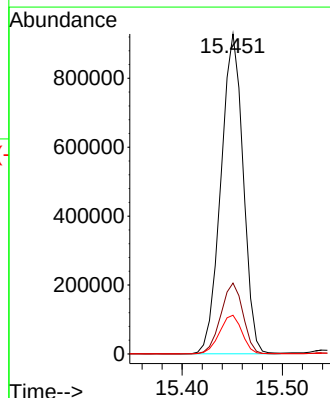
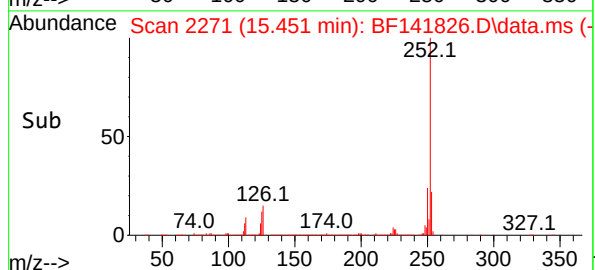
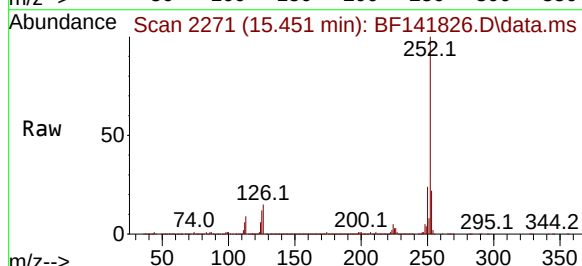
Tgt Ion:252 Resp: 1432461

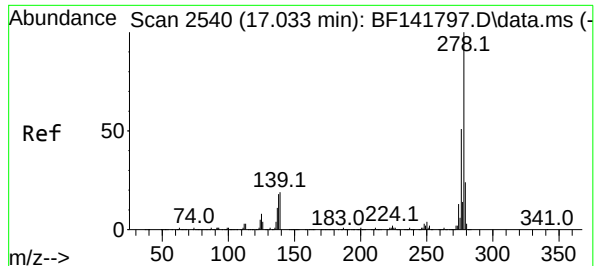
Ion Ratio Lower Upper

252 100

253 22.2 17.5 26.3

125 12.1 9.4 14.2

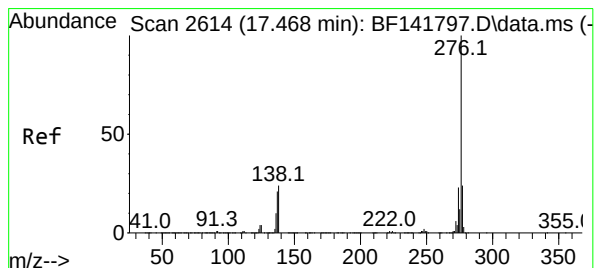
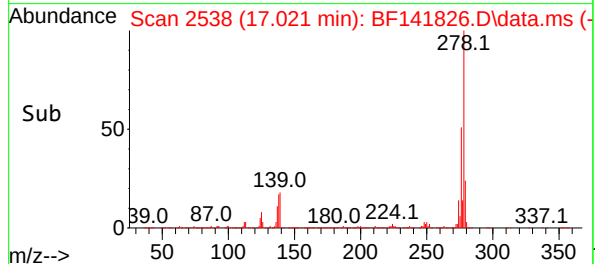
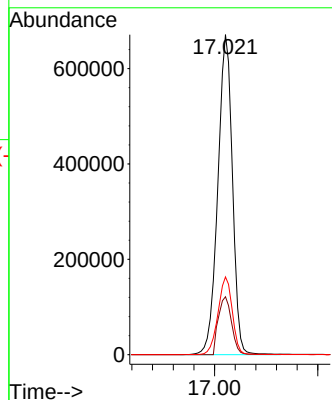
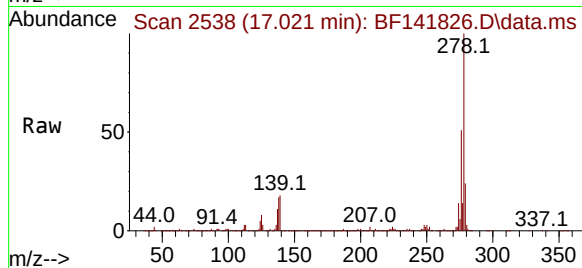




#91  
Dibenzo(a,h)anthracene  
Concen: 43.159 ng  
RT: 17.021 min Scan# 21  
Delta R.T. -0.012 min  
Lab File: BF141826.D  
Acq: 04 Mar 2025 14:44

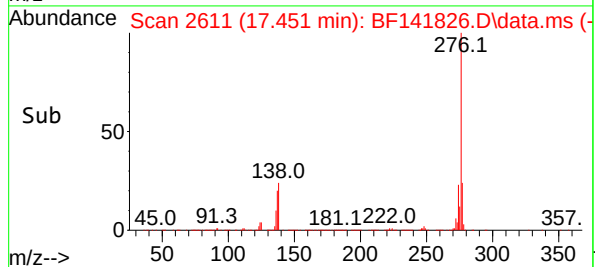
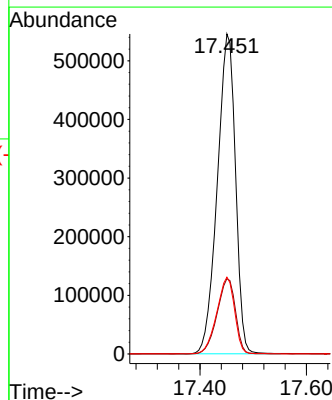
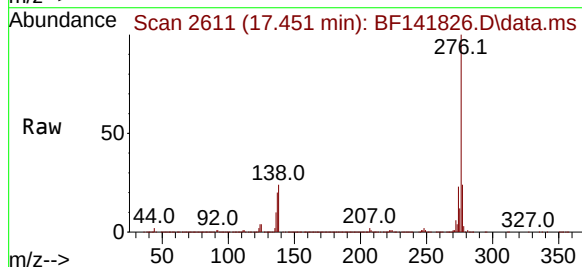
Instrument :  
BNA\_F  
ClientSampleId :  
PB166957BS

Tgt Ion:278 Resp: 1316988  
Ion Ratio Lower Upper  
278 100  
139 18.1 14.9 22.3  
279 24.3 19.3 28.9



#92  
Benzo(g,h,i)perylene  
Concen: 41.312 ng  
RT: 17.451 min Scan# 2611  
Delta R.T. -0.018 min  
Lab File: BF141826.D  
Acq: 04 Mar 2025 14:44

Tgt Ion:276 Resp: 1291482  
Ion Ratio Lower Upper  
276 100  
277 23.6 19.4 29.0  
138 24.0 19.3 28.9



## Report of Analysis

|                    |                        |                 |                              |
|--------------------|------------------------|-----------------|------------------------------|
| Client:            | G Environmental        | Date Collected: | 02/28/25                     |
| Project:           | Nelson                 | Date Received:  | 02/28/25                     |
| Client Sample ID:  | TR-04-02282025MS       | SDG No.:        | Q1447                        |
| Lab Sample ID:     | Q1475-01MS             | Matrix:         | SOIL                         |
| Analytical Method: | SW8270                 | % Solid:        | 91.6                         |
| Sample Wt/Vol:     | 50.04      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 |
| BF141819.D        | 1         | 03/03/25 13:15 | 03/03/25 18:16 | PB166957      |

| CAS Number     | Parameter                   | Conc. | Qualifier | MDL  | LOQ / CRQL | Units(Dry Weight) |
|----------------|-----------------------------|-------|-----------|------|------------|-------------------|
| <b>TARGETS</b> |                             |       |           |      |            |                   |
| 100-52-7       | Benzaldehyde                | 510   |           | 120  | 220        | ug/Kg             |
| 108-95-2       | Phenol                      | 1000  |           | 54.3 | 110        | ug/Kg             |
| 111-44-4       | bis(2-Chloroethyl)ether     | 930   |           | 54.8 | 110        | ug/Kg             |
| 95-57-8        | 2-Chlorophenol              | 950   |           | 54.7 | 110        | ug/Kg             |
| 95-48-7        | 2-Methylphenol              | 970   |           | 52.8 | 110        | ug/Kg             |
| 108-60-1       | 2,2-oxybis(1-Chloropropane) | 940   |           | 59.5 | 110        | ug/Kg             |
| 98-86-2        | Acetophenone                | 1000  |           | 56.9 | 110        | ug/Kg             |
| 65794-96-9     | 3+4-Methylphenols           | 1000  |           | 52.2 | 220        | ug/Kg             |
| 621-64-7       | n-Nitroso-di-n-propylamine  | 910   |           | 26.4 | 52.4       | ug/Kg             |
| 67-72-1        | Hexachloroethane            | 930   |           | 54.3 | 110        | ug/Kg             |
| 98-95-3        | Nitrobenzene                | 1000  |           | 59.4 | 110        | ug/Kg             |
| 78-59-1        | Isophorone                  | 940   |           | 55.4 | 110        | ug/Kg             |
| 88-75-5        | 2-Nitrophenol               | 880   |           | 61.9 | 110        | ug/Kg             |
| 105-67-9       | 2,4-Dimethylphenol          | 1100  |           | 61.0 | 110        | ug/Kg             |
| 111-91-1       | bis(2-Chloroethoxy)methane  | 880   |           | 56.2 | 110        | ug/Kg             |
| 120-83-2       | 2,4-Dichlorophenol          | 970   |           | 49.4 | 110        | ug/Kg             |
| 91-20-3        | Naphthalene                 | 970   |           | 54.1 | 110        | ug/Kg             |
| 106-47-8       | 4-Chloroaniline             | 360   |           | 54.1 | 110        | ug/Kg             |
| 87-68-3        | Hexachlorobutadiene         | 870   |           | 54.5 | 110        | ug/Kg             |
| 105-60-2       | Caprolactam                 | 1400  |           | 56.8 | 220        | ug/Kg             |
| 59-50-7        | 4-Chloro-3-methylphenol     | 1100  |           | 50.7 | 110        | ug/Kg             |
| 91-57-6        | 2-Methylnaphthalene         | 1000  |           | 54.0 | 110        | ug/Kg             |
| 77-47-4        | Hexachlorocyclopentadiene   | 1900  | E         | 100  | 220        | ug/Kg             |
| 88-06-2        | 2,4,6-Trichlorophenol       | 930   |           | 46.7 | 110        | ug/Kg             |
| 95-95-4        | 2,4,5-Trichlorophenol       | 1100  |           | 48.4 | 110        | ug/Kg             |
| 92-52-4        | 1,1-Biphenyl                | 1000  |           | 57.2 | 110        | ug/Kg             |
| 91-58-7        | 2-Chloronaphthalene         | 930   |           | 54.5 | 110        | ug/Kg             |
| 88-74-4        | 2-Nitroaniline              | 1100  |           | 62.2 | 110        | ug/Kg             |
| 131-11-3       | Dimethylphthalate           | 930   |           | 53.5 | 110        | ug/Kg             |



## Report of Analysis

|                    |                        |                 |                              |
|--------------------|------------------------|-----------------|------------------------------|
| Client:            | G Environmental        | Date Collected: | 02/28/25                     |
| Project:           | Nelson                 | Date Received:  | 02/28/25                     |
| Client Sample ID:  | TR-04-02282025MS       | SDG No.:        | Q1447                        |
| Lab Sample ID:     | Q1475-01MS             | Matrix:         | SOIL                         |
| Analytical Method: | SW8270                 | % Solid:        | 91.6                         |
| Sample Wt/Vol:     | 50.04      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 |
| BF141819.D        | 1         | 03/03/25 13:15 | 03/03/25 18:16 | PB166957      |

| CAS Number | Parameter                  | Conc. | Qualifier | MDL  | LOQ / CRQL | Units(Dry Weight) |
|------------|----------------------------|-------|-----------|------|------------|-------------------|
| 208-96-8   | Acenaphthylene             | 1100  |           | 56.6 | 110        | ug/Kg             |
| 606-20-2   | 2,6-Dinitrotoluene         | 1000  |           | 54.5 | 110        | ug/Kg             |
| 99-09-2    | 3-Nitroaniline             | 870   |           | 58.4 | 110        | ug/Kg             |
| 83-32-9    | Acenaphthene               | 1400  |           | 53.1 | 110        | ug/Kg             |
| 51-28-5    | 2,4-Dinitrophenol          | 1900  | E         | 160  | 220        | ug/Kg             |
| 100-02-7   | 4-Nitrophenol              | 3000  | E         | 75.9 | 220        | ug/Kg             |
| 132-64-9   | Dibenzofuran               | 1100  |           | 55.2 | 110        | ug/Kg             |
| 121-14-2   | 2,4-Dinitrotoluene         | 1300  |           | 56.4 | 110        | ug/Kg             |
| 84-66-2    | Diethylphthalate           | 980   |           | 52.4 | 110        | ug/Kg             |
| 7005-72-3  | 4-Chlorophenyl-phenylether | 980   |           | 56.0 | 110        | ug/Kg             |
| 86-73-7    | Fluorene                   | 1400  |           | 56.0 | 110        | ug/Kg             |
| 100-01-6   | 4-Nitroaniline             | 1400  |           | 70.0 | 110        | ug/Kg             |
| 534-52-1   | 4,6-Dinitro-2-methylphenol | 890   |           | 76.6 | 220        | ug/Kg             |
| 86-30-6    | n-Nitrosodiphenylamine     | 920   |           | 53.4 | 110        | ug/Kg             |
| 101-55-3   | 4-Bromophenyl-phenylether  | 890   |           | 51.6 | 110        | ug/Kg             |
| 118-74-1   | Hexachlorobenzene          | 930   |           | 55.6 | 110        | ug/Kg             |
| 1912-24-9  | Atrazine                   | 1300  |           | 59.8 | 110        | ug/Kg             |
| 87-86-5    | Pentachlorophenol          | 1900  | E         | 50.6 | 220        | ug/Kg             |
| 85-01-8    | Phenanthrene               | 2800  | E         | 55.0 | 110        | ug/Kg             |
| 120-12-7   | Anthracene                 | 1700  |           | 55.2 | 110        | ug/Kg             |
| 86-74-8    | Carbazole                  | 1400  |           | 52.6 | 110        | ug/Kg             |
| 84-74-2    | Di-n-butylphthalate        | 990   |           | 55.2 | 110        | ug/Kg             |
| 206-44-0   | Fluoranthene               | 3200  | E         | 53.5 | 110        | ug/Kg             |
| 129-00-0   | Pyrene                     | 2600  | E         | 54.3 | 110        | ug/Kg             |
| 85-68-7    | Butylbenzylphthalate       | 1100  |           | 63.4 | 110        | ug/Kg             |
| 91-94-1    | 3,3-Dichlorobenzidine      | 570   |           | 64.5 | 220        | ug/Kg             |
| 56-55-3    | Benzo(a)anthracene         | 2400  | E         | 52.8 | 110        | ug/Kg             |
| 218-01-9   | Chrysene                   | 2000  | E         | 52.0 | 110        | ug/Kg             |
| 117-81-7   | Bis(2-ethylhexyl)phthalate | 1200  |           | 59.6 | 110        | ug/Kg             |
| 117-84-0   | Di-n-octyl phthalate       | 1200  |           | 72.0 | 220        | ug/Kg             |
| 205-99-2   | Benzo(b)fluoranthene       | 2300  | E         | 53.1 | 110        | ug/Kg             |

## Report of Analysis

|                    |                        |                 |                              |
|--------------------|------------------------|-----------------|------------------------------|
| Client:            | G Environmental        | Date Collected: | 02/28/25                     |
| Project:           | Nelson                 | Date Received:  | 02/28/25                     |
| Client Sample ID:  | TR-04-02282025MS       | SDG No.:        | Q1447                        |
| Lab Sample ID:     | Q1475-01MS             | Matrix:         | SOIL                         |
| Analytical Method: | SW8270                 | % Solid:        | 91.6                         |
| Sample Wt/Vol:     | 50.04      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 |
| BF141819.D        | 1         | 03/03/25 13:15 | 03/03/25 18:16 | PB166957      |

| CAS Number                | Parameter                  | Conc.  | Qualifier | MDL                 | LOQ / CRQL | Units(Dry Weight) |
|---------------------------|----------------------------|--------|-----------|---------------------|------------|-------------------|
| 207-08-9                  | Benzo(k)fluoranthene       | 1300   |           | 54.1                | 110        | ug/Kg             |
| 50-32-8                   | Benzo(a)pyrene             | 2100   | E         | 60.9                | 110        | ug/Kg             |
| 193-39-5                  | Indeno(1,2,3-cd)pyrene     | 1300   |           | 51.1                | 110        | ug/Kg             |
| 53-70-3                   | Dibenzo(a,h)anthracene     | 1000   |           | 53.1                | 110        | ug/Kg             |
| 191-24-2                  | Benzo(g,h,i)perylene       | 1200   |           | 52.4                | 110        | ug/Kg             |
| 95-94-3                   | 1,2,4,5-Tetrachlorobenzene | 950    |           | 56.8                | 110        | ug/Kg             |
| 123-91-1                  | 1,4-Dioxane                | 910    |           | 72.0                | 110        | ug/Kg             |
| 58-90-2                   | 2,3,4,6-Tetrachlorophenol  | 1100   |           | 48.9                | 110        | ug/Kg             |
| <b>SURROGATES</b>         |                            |        |           |                     |            |                   |
| 367-12-4                  | 2-Fluorophenol             | 114    |           | 30 (18) - 130 (112) | 76%        | SPK: 150          |
| 13127-88-3                | Phenol-d6                  | 116    |           | 30 (15) - 130 (107) | 77%        | SPK: 150          |
| 4165-60-0                 | Nitrobenzene-d5            | 85.1   |           | 30 (18) - 130 (107) | 85%        | SPK: 100          |
| 321-60-8                  | 2-Fluorobiphenyl           | 74.1   |           | 30 (20) - 130 (109) | 74%        | SPK: 100          |
| 118-79-6                  | 2,4,6-Tribromophenol       | 134    |           | 30 (10) - 130 (116) | 89%        | SPK: 150          |
| 1718-51-0                 | Terphenyl-d14              | 77.6   |           | 30 (10) - 130 (105) | 78%        | SPK: 100          |
| <b>INTERNAL STANDARDS</b> |                            |        |           |                     |            |                   |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4     | 111000 | 6.887     |                     |            |                   |
| 1146-65-2                 | Naphthalene-d8             | 467000 | 8.169     |                     |            |                   |
| 15067-26-2                | Acenaphthene-d10           | 293000 | 9.922     |                     |            |                   |
| 1517-22-2                 | Phenanthrene-d10           | 568000 | 11.41     |                     |            |                   |
| 1719-03-5                 | Chrysene-d12               | 382000 | 14.051    |                     |            |                   |
| 1520-96-3                 | Perylene-d12               | 353000 | 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\BF030325\  
 Data File : BF141819.D  
 Acq On : 03 Mar 2025 18:16  
 Operator : RC/JU  
 Sample : Q1475-01MS  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TR-04-02282025MS

Quant Time: Mar 04 00:12:41 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF022725.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Feb 28 01:48:16 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.887  | 152  | 111069   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.169  | 136  | 466588   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.922  | 164  | 292659   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.410 | 188  | 567711   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.051 | 240  | 381619   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.527 | 264  | 352598   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.493  | 112  | 790128   | 113.607 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.498  | 99   | 1046994  | 115.659 | ng    | -0.01    |
| 23) Nitrobenzene-d5           | 7.445  | 82   | 621192   | 85.100  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.710 | 330  | 368150   | 133.993 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.245  | 172  | 1351607  | 74.053  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.998 | 244  | 1830573  | 77.609  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.616  | 88   | 131727   | 41.742  | ng    | 96       |
| 3) Pyridine                   | 3.393  | 79   | 314690   | 40.078  | ng    | 98       |
| 4) n-Nitrosodimethylamine     | 3.322  | 42   | 158771m  | 42.025  | ng    |          |
| 6) Aniline                    | 6.545  | 93   | 245194   | 26.054  | ng    | 99       |
| 8) 2-Chlorophenol             | 6.669  | 128  | 329092   | 43.742  | ng    | 97       |
| 9) Benzaldehyde               | 6.434  | 77   | 124013   | 23.552  | ng    | 99       |
| 10) Phenol                    | 6.516  | 94   | 446333   | 46.141  | ng    | 94       |
| 11) bis(2-Chloroethyl)ether   | 6.616  | 93   | 313865   | 42.566  | ng    | 99       |
| 12) 1,3-Dichlorobenzene       | 6.828  | 146  | 346113   | 42.957  | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 6.904  | 146  | 348203   | 42.891  | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 7.057  | 146  | 336988   | 44.453  | ng    | 99       |
| 15) Benzyl Alcohol            | 7.022  | 79   | 296892   | 41.037  | ng    | 99       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.157  | 45   | 483054   | 43.137  | ng    | 97       |
| 17) 2-Methylphenol            | 7.128  | 107  | 275526   | 44.367  | ng    | 99       |
| 18) Hexachloroethane          | 7.404  | 117  | 129709   | 42.688  | ng    | 98       |
| 19) n-Nitroso-di-n-propyla... | 7.292  | 70   | 249193   | 41.876  | ng    | 98       |
| 20) 3+4-Methylphenols         | 7.281  | 107  | 368849   | 47.698  | ng    | 95       |
| 22) Acetophenone              | 7.292  | 105  | 523320   | 46.051  | ng    | # 97     |
| 24) Nitrobenzene              | 7.463  | 77   | 359391   | 45.977  | ng    | 99       |
| 25) Isophorone                | 7.704  | 82   | 675743   | 43.090  | ng    | 100      |
| 26) 2-Nitrophenol             | 7.781  | 139  | 138674   | 40.499  | ng    | 99       |
| 27) 2,4-Dimethylphenol        | 7.810  | 122  | 303781   | 52.698  | ng    | 99       |
| 28) bis(2-Chloroethoxy)met... | 7.916  | 93   | 402295   | 40.215  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 8.016  | 162  | 296348   | 44.562  | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 8.110  | 180  | 301771   | 41.411  | ng    | 99       |
| 31) Naphthalene               | 8.192  | 128  | 1070374  | 44.635  | ng    | 99       |
| 32) Benzoic acid              | 7.898  | 122  | 217073   | 45.579  | ng    | 98       |
| 33) 4-Chloroaniline           | 8.234  | 127  | 144256   | 16.406  | ng    | 98       |
| 34) Hexachlorobutadiene       | 8.310  | 225  | 179837   | 39.713  | ng    | 98       |
| 35) Caprolactam               | 8.581  | 113  | 128944m  | 63.028  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 8.710  | 107  | 356381   | 48.241  | ng    | 96       |
| 37) 2-Methylnaphthalene       | 8.881  | 142  | 727188   | 46.231  | ng    | 99       |
| 38) 1-Methylnaphthalene       | 8.981  | 142  | 717379   | 47.532  | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 9.045  | 216  | 369518   | 43.718  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 9.033  | 237  | 299195   | 84.821  | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 9.151  | 196  | 233014   | 42.678  | ng    | 100      |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF030325\  
 Data File : BF141819.D  
 Acq On : 03 Mar 2025 18:16  
 Operator : RC/JU  
 Sample : Q1475-01MS  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TR-04-02282025MS

Quant Time: Mar 04 00:12:41 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF022725.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Feb 28 01:48:16 2025  
 Response via : Initial Calibration

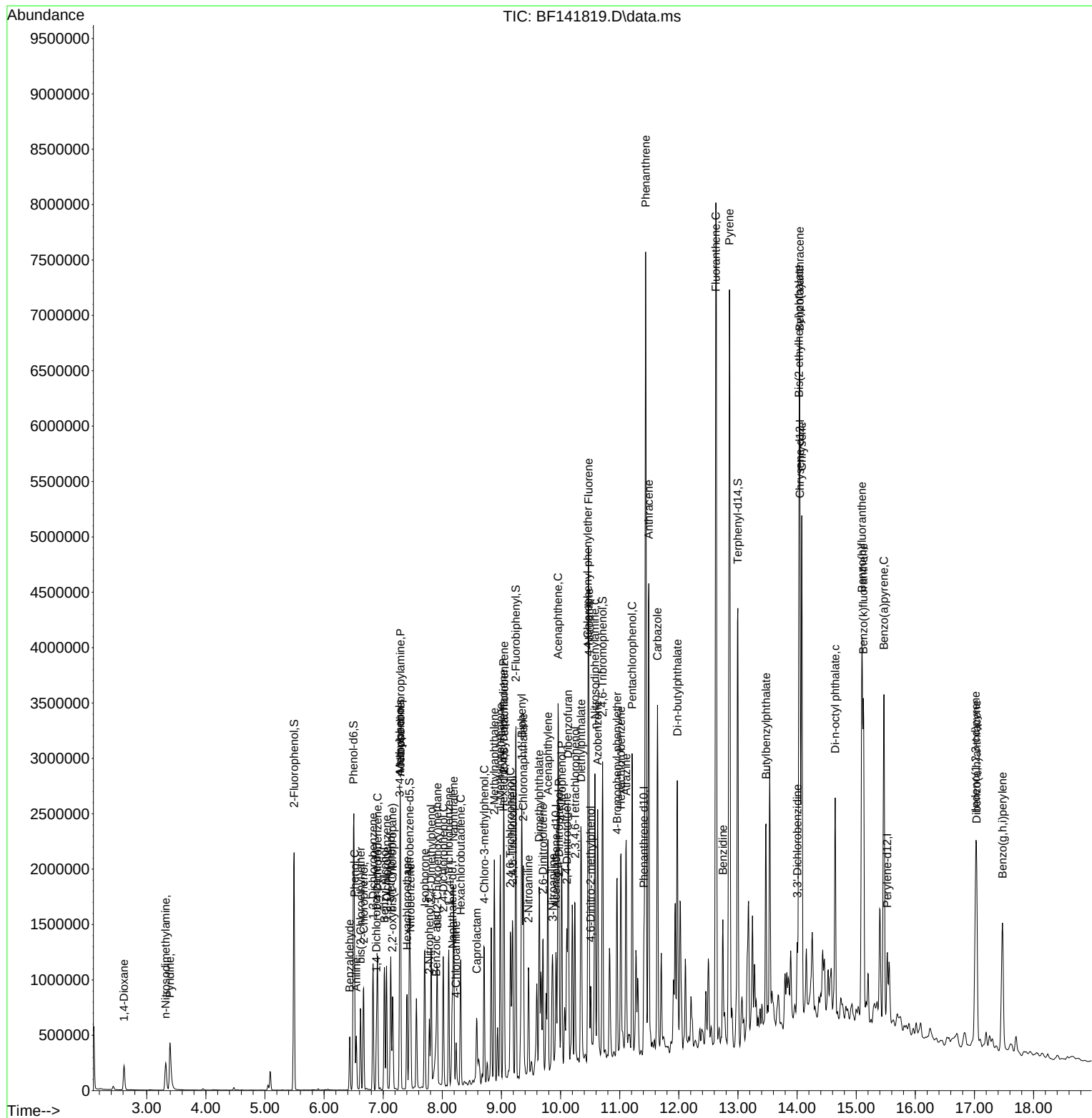
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.192  | 196  | 260340   | 48.153  | ng    | 98       |
| 46) 1,1'-Biphenyl             | 9.345  | 154  | 1030482  | 46.260  | ng    | 99       |
| 47) 2-Chloronaphthalene       | 9.369  | 162  | 701548   | 42.670  | ng    | 99       |
| 48) 2-Nitroaniline            | 9.457  | 65   | 223360   | 49.483  | ng    | 99       |
| 49) Acenaphthylene            | 9.786  | 152  | 1199203  | 48.648  | ng    | 99       |
| 50) Dimethylphthalate         | 9.639  | 163  | 836889   | 42.701  | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 9.704  | 165  | 180021   | 48.014  | ng    | 97       |
| 52) Acenaphthene              | 9.957  | 154  | 1045381  | 62.849  | ng    | 100      |
| 53) 3-Nitroaniline            | 9.869  | 138  | 157651   | 40.002  | ng    | 98       |
| 54) 2,4-Dinitrophenol         | 9.975  | 184  | 152497   | 86.204  | ng    | # 1      |
| 55) Dibenzofuran              | 10.128 | 168  | 1238567  | 51.160  | ng    | 99       |
| 56) 4-Nitrophenol             | 10.022 | 139  | 400749   | 138.445 | ng    | 99       |
| 57) 2,4-Dinitrotoluene        | 10.104 | 165  | 267822   | 57.713  | ng    | 98       |
| 58) Fluorene                  | 10.475 | 166  | 1178302  | 64.976  | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol | 10.245 | 232  | 237587   | 50.528  | ng    | 98       |
| 60) Diethylphthalate          | 10.345 | 149  | 886191   | 45.104  | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 10.463 | 204  | 408016   | 44.907  | ng    | 98       |
| 62) 4-Nitroaniline            | 10.480 | 138  | 212905   | 63.611  | ng    | 95       |
| 63) Azobenzene                | 10.627 | 77   | 1091361  | 52.755  | ng    | 88       |
| 65) 4,6-Dinitro-2-methylph... | 10.510 | 198  | 105351   | 40.862  | ng    | 94       |
| 66) n-Nitrosodiphenylamine    | 10.580 | 169  | 789648   | 42.359  | ng    | 98       |
| 67) 4-Bromophenyl-phenylether | 10.957 | 248  | 269414   | 40.629  | ng    | 98       |
| 68) Hexachlorobenzene         | 11.022 | 284  | 299291   | 42.742  | ng    | 99       |
| 69) Atrazine                  | 11.110 | 200  | 312250   | 60.911  | ng    | 99       |
| 70) Pentachlorophenol         | 11.210 | 266  | 393328   | 88.566  | ng    | 100      |
| 71) Phenanthrene              | 11.439 | 178  | 3880123  | 127.775 | ng    | 98       |
| 72) Anthracene                | 11.492 | 178  | 2336827  | 76.782  | ng    | 100      |
| 73) Carbazole                 | 11.639 | 167  | 1701875  | 63.323  | ng    | 100      |
| 74) Di-n-butylphthalate       | 11.974 | 149  | 1549577  | 45.486  | ng    | 99       |
| 75) Fluoranthene              | 12.627 | 202  | 4549513  | 146.212 | ng    | 98       |
| 77) Benzidine                 | 12.745 | 184  | 565563   | 117.747 | ng    | 99       |
| 78) Pyrene                    | 12.857 | 202  | 3986724  | 120.642 | ng    | 96       |
| 80) Butylbenzylphthalate      | 13.474 | 149  | 593087   | 49.398  | ng    | 98       |
| 81) Benzo(a)anthracene        | 14.045 | 228  | 2752621  | 109.202 | ng    | 98       |
| 82) 3,3'-Dichlorobenzidine    | 14.004 | 252  | 187817   | 25.971  | ng    | 99       |
| 83) Chrysene                  | 14.080 | 228  | 2143918  | 92.267  | ng    | 98       |
| 84) Bis(2-ethylhexyl)phtha... | 14.033 | 149  | 795583   | 53.218  | ng    | 100      |
| 85) Di-n-octyl phthalate      | 14.645 | 149  | 1273243  | 56.889  | ng    | 99       |
| 87) Indeno(1,2,3-cd)pyrene    | 17.021 | 276  | 1333661  | 59.400  | ng    | 97       |
| 88) Benzo(b)fluoranthene      | 15.098 | 252  | 2511913  | 104.584 | ng    | 98       |
| 89) Benzo(k)fluoranthene      | 15.121 | 252  | 1193741m | 58.476  | ng    |          |
| 90) Benzo(a)pyrene            | 15.468 | 252  | 1810170  | 93.976  | ng    | 98       |
| 91) Dibenzo(a,h)anthracene    | 17.039 | 278  | 836480   | 45.642  | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 17.474 | 276  | 1057963  | 56.349  | ng    | 99       |

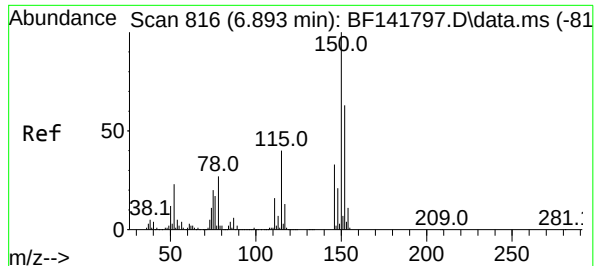
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Acq On    : 03 Mar 2025  18:16  
Operator  : RC/JU  
Sample    : Q1475-01MS  
Misc      :  
ALS Vial  : 10    Sample Multiplier: 1
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**Instrument :**  
BNA\_F  
**ClientSampleId :**  
TR-04-02282025MS

Quant Time: Mar 04 00:12:41 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF022725.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Feb 28 01:48:16 2025  
Response via : Initial Calibration

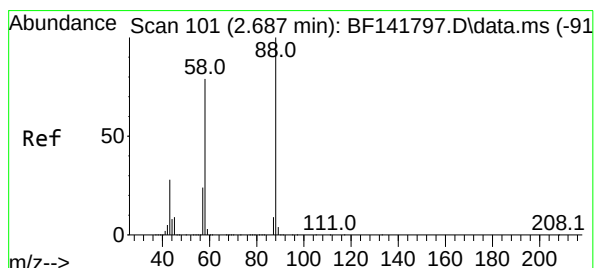
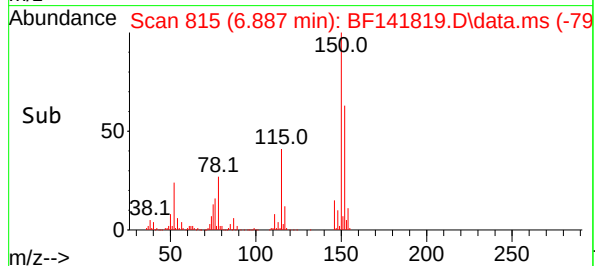
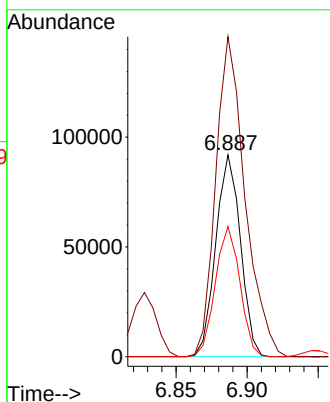
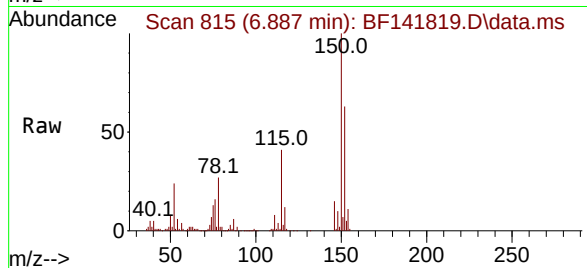




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.887 min Scan# 81  
 Delta R.T. -0.006 min  
 Lab File: BF141819.D  
 Acq: 03 Mar 2025 18:16

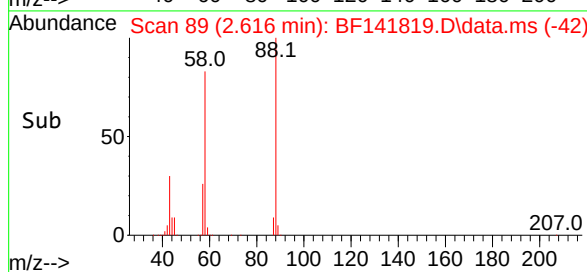
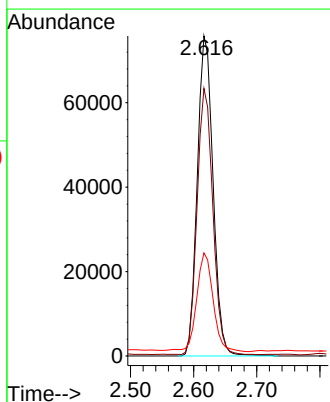
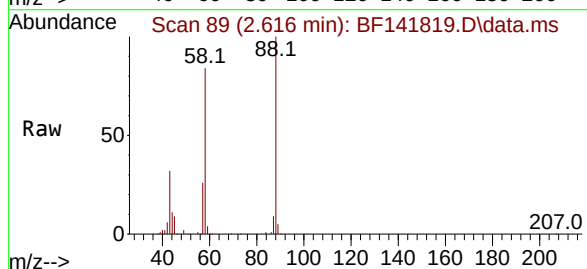
Instrument :  
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 TR-04-02282025MS

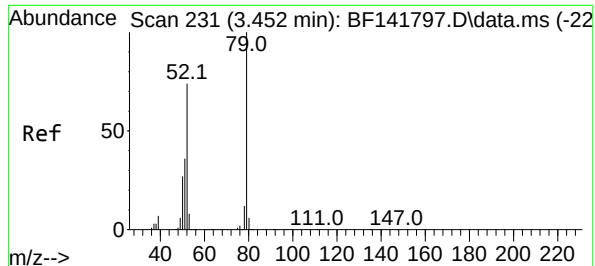
Tgt Ion:152 Resp: 111069  
 Ion Ratio Lower Upper  
 152 100  
 150 158.6 127.5 191.3  
 115 64.4 51.4 77.2



#2  
 1,4-Dioxane  
 Concen: 41.742 ng  
 RT: 2.616 min Scan# 89  
 Delta R.T. -0.071 min  
 Lab File: BF141819.D  
 Acq: 03 Mar 2025 18:16

Tgt Ion: 88 Resp: 131727  
 Ion Ratio Lower Upper  
 88 100  
 58 83.1 63.9 95.9  
 43 32.2 23.0 34.6

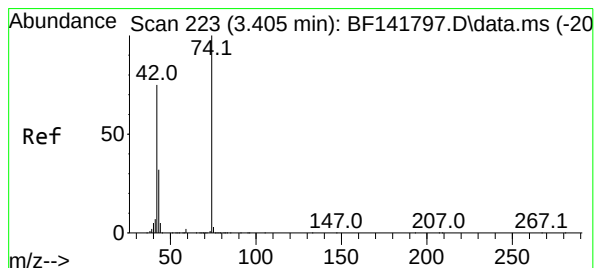
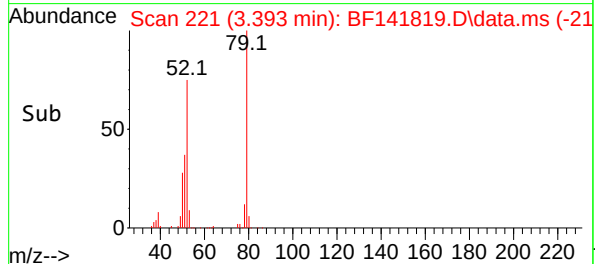
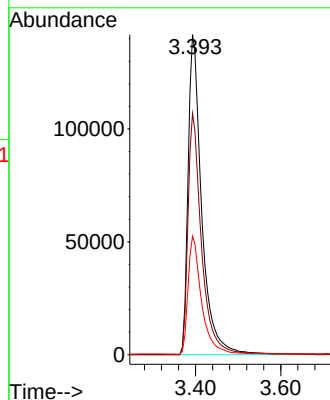
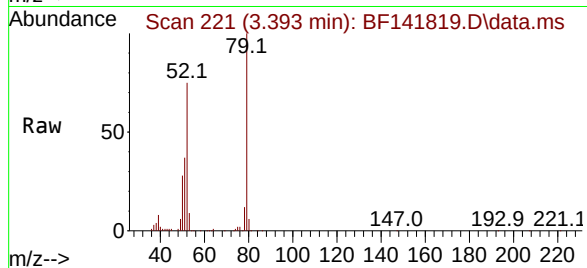




#3  
Pyridine  
Concen: 40.078 ng  
RT: 3.393 min Scan# 21  
Delta R.T. -0.059 min  
Lab File: BF141819.D  
Acq: 03 Mar 2025 18:16

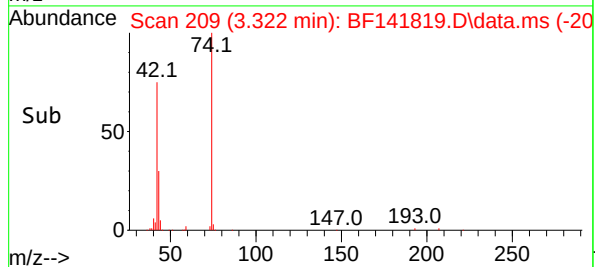
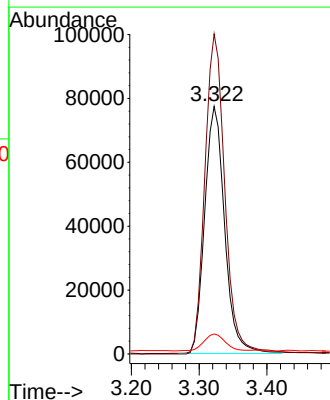
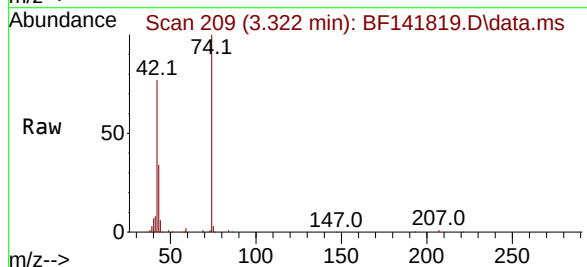
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ClientSampleId :  
TR-04-02282025MS

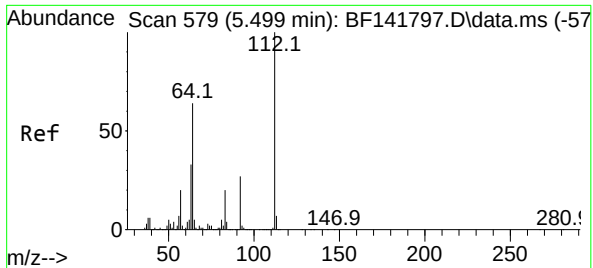
Tgt Ion: 79 Resp: 314690  
Ion Ratio Lower Upper  
79 100  
52 75.4 59.0 88.4  
51 37.1 29.0 43.4



#4  
n-Nitrosodimethylamine  
Concen: 42.025 ng m  
RT: 3.322 min Scan# 209  
Delta R.T. -0.083 min  
Lab File: BF141819.D  
Acq: 03 Mar 2025 18:16

Tgt Ion: 42 Resp: 158771  
Ion Ratio Lower Upper  
42 100  
74 129.3 107.1 160.7  
44 8.1 6.6 9.8

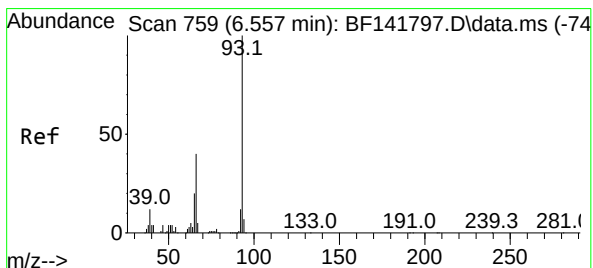
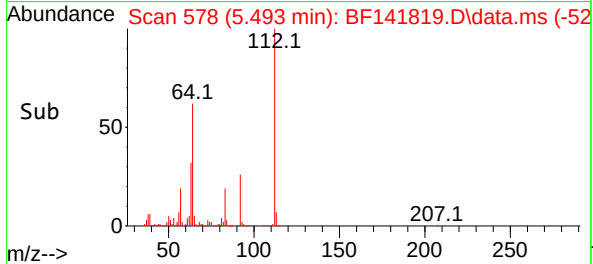
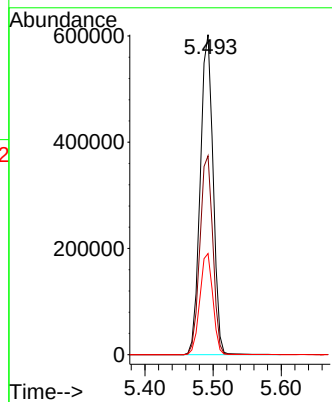
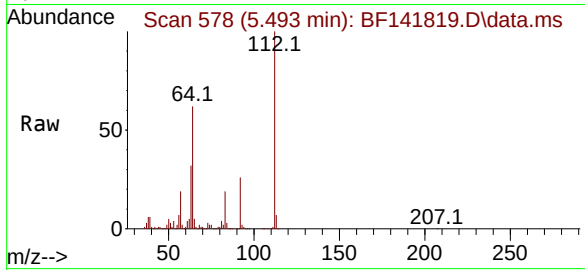




#5  
2-Fluorophenol  
Concen: 113.607 ng  
RT: 5.493 min Scan# 512  
Delta R.T. -0.006 min  
Lab File: BF141819.D  
Acq: 03 Mar 2025 18:16

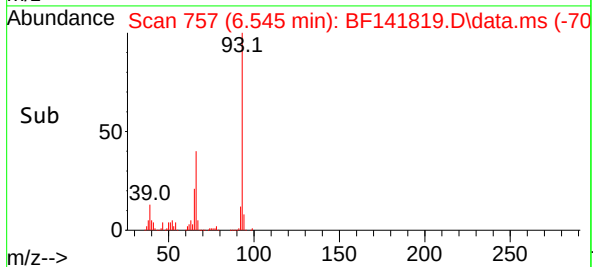
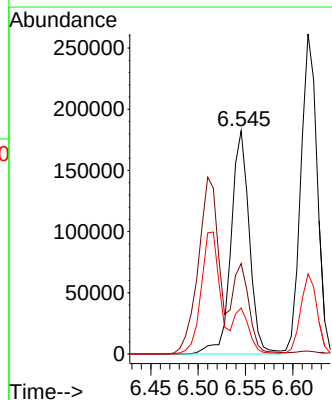
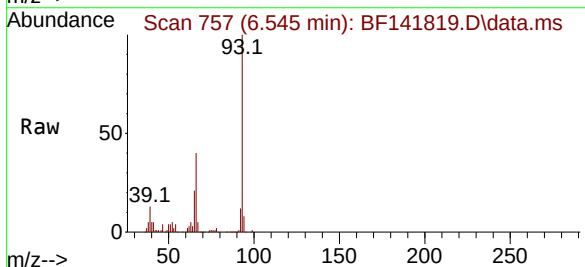
Instrument :  
BNA\_F  
ClientSampleId :  
TR-04-02282025MS

Tgt Ion:112 Resp: 790128  
Ion Ratio Lower Upper  
112 100  
64 62.1 51.3 76.9  
63 31.6 26.2 39.4

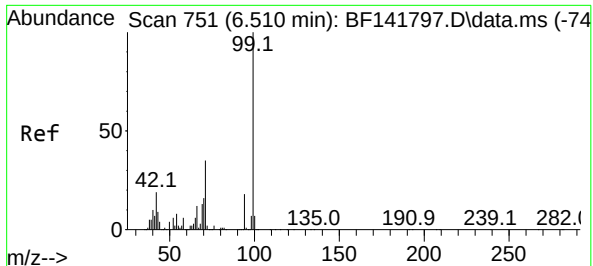


#6  
Aniline  
Concen: 26.054 ng  
RT: 6.545 min Scan# 757  
Delta R.T. -0.012 min  
Lab File: BF141819.D  
Acq: 03 Mar 2025 18:16

Tgt Ion: 93 Resp: 245194  
Ion Ratio Lower Upper  
93 100  
66 40.5 32.3 48.5  
65 20.6 15.9 23.9







#7

Phenol-d6

Concen: 115.659 ng

RT: 6.498 min Scan# 749

Delta R.T. -0.012 min

Lab File: BF141819.D

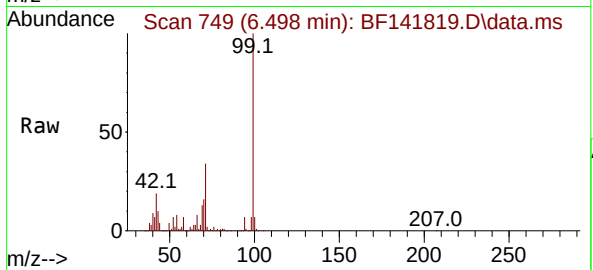
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Instrument :

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ClientSampleId :

TR-04-02282025MS



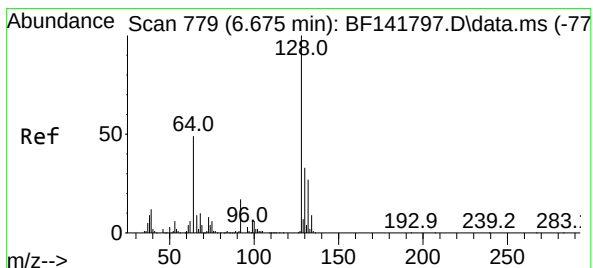
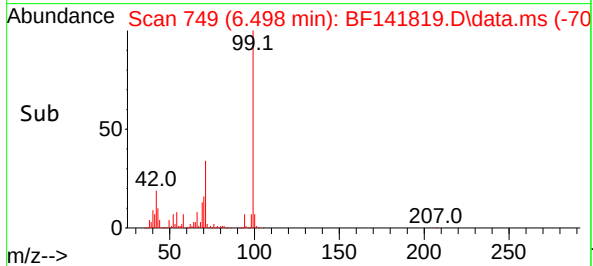
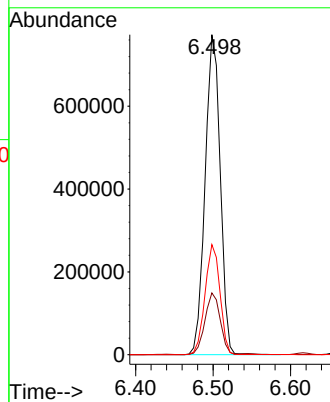
Tgt Ion: 99 Resp: 1046994

Ion Ratio Lower Upper

99 100

42 19.3 15.2 22.8

71 34.4 28.2 42.2



#8

2-Chlorophenol

Concen: 43.742 ng

RT: 6.669 min Scan# 778

Delta R.T. -0.006 min

Lab File: BF141819.D

Acq: 03 Mar 2025 18:16

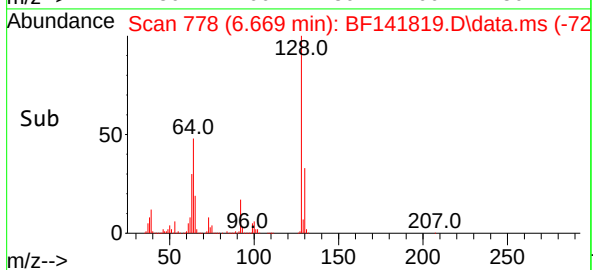
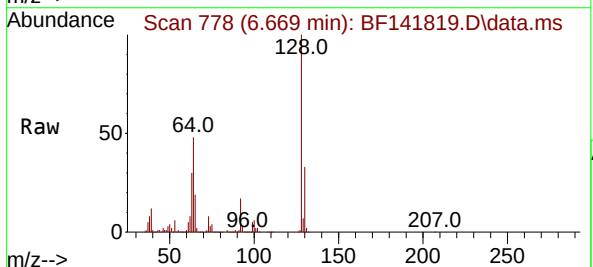
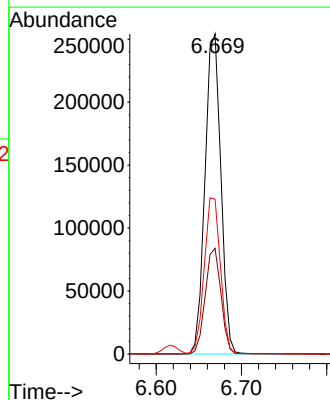
Tgt Ion:128 Resp: 329092

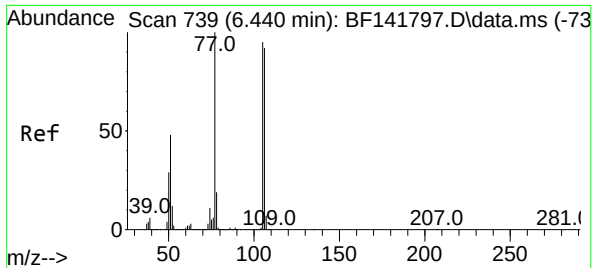
Ion Ratio Lower Upper

128 100

130 33.0 12.6 52.6

64 48.4 31.1 71.1

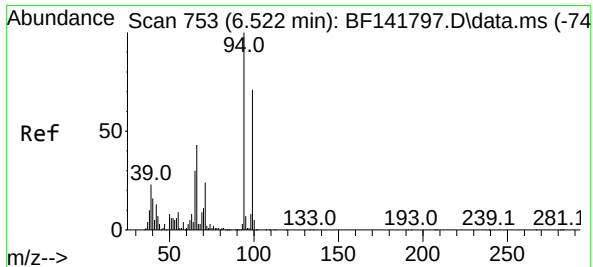
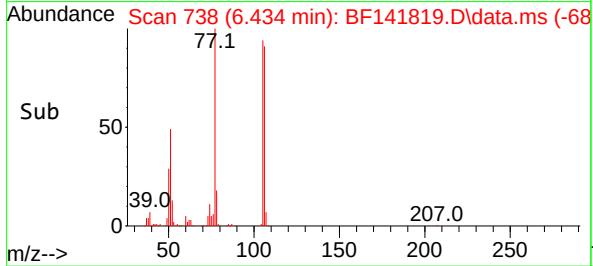
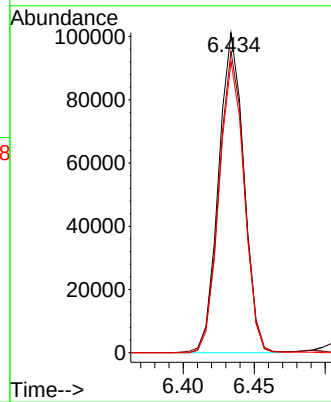
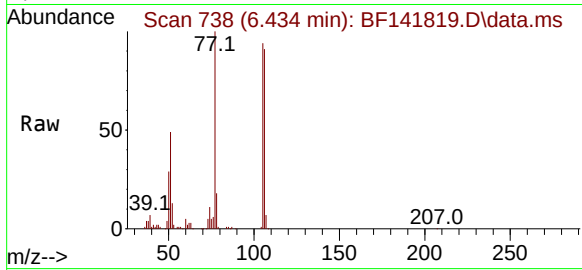




#9  
Benzaldehyde  
Concen: 23.552 ng  
RT: 6.434 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: BF141819.D  
Acq: 03 Mar 2025 18:16

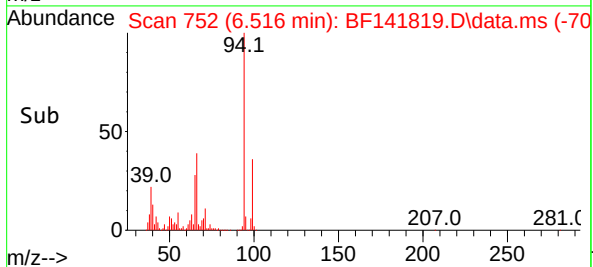
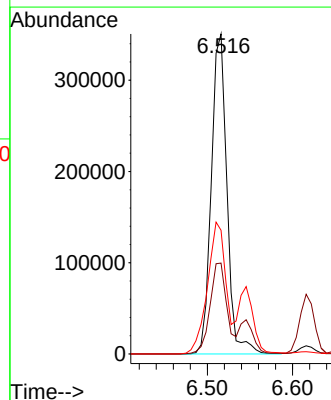
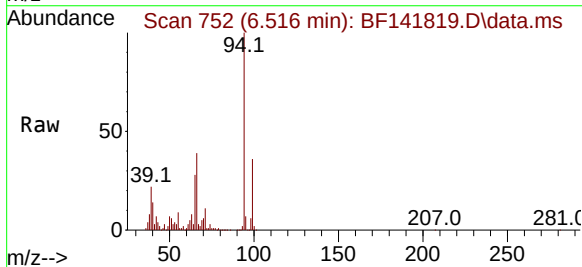
Instrument :  
BNA\_F  
ClientSampleId :  
TR-04-02282025MS

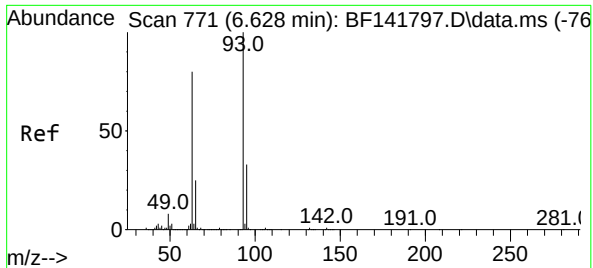
Tgt Ion: 77 Resp: 124013  
Ion Ratio Lower Upper  
77 100  
105 94.1 75.3 115.3  
106 91.0 72.3 112.3



#10  
Phenol  
Concen: 46.141 ng  
RT: 6.516 min Scan# 752  
Delta R.T. -0.006 min  
Lab File: BF141819.D  
Acq: 03 Mar 2025 18:16

Tgt Ion: 94 Resp: 446333  
Ion Ratio Lower Upper  
94 100  
65 28.4 10.2 50.2  
66 38.7 23.2 63.2

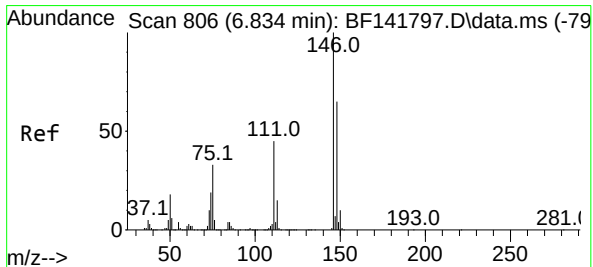
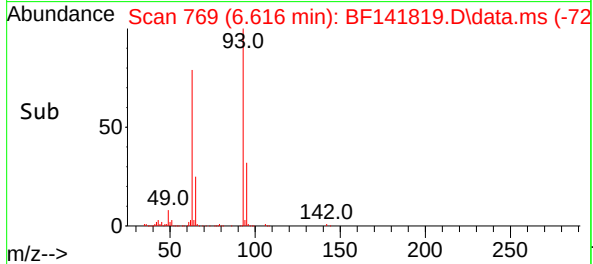
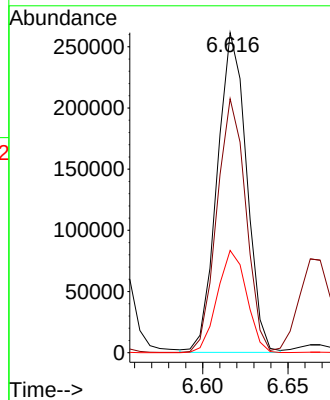
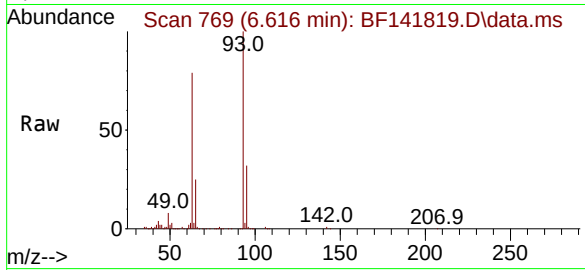




#11  
bis(2-Chloroethyl)ether  
Concen: 42.566 ng  
RT: 6.616 min Scan# 771  
Delta R.T. -0.012 min  
Lab File: BF141819.D  
Acq: 03 Mar 2025 18:16

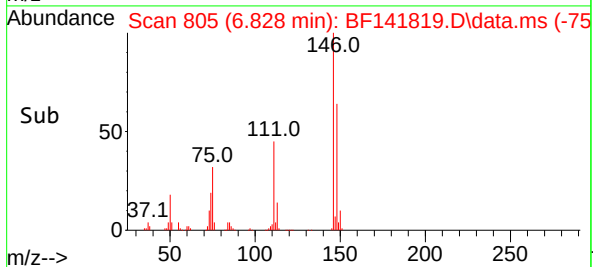
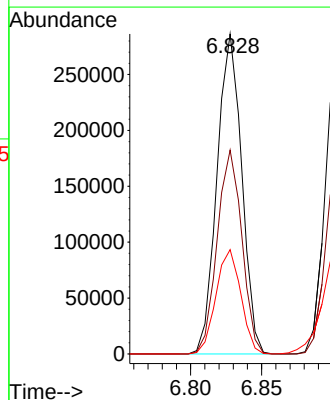
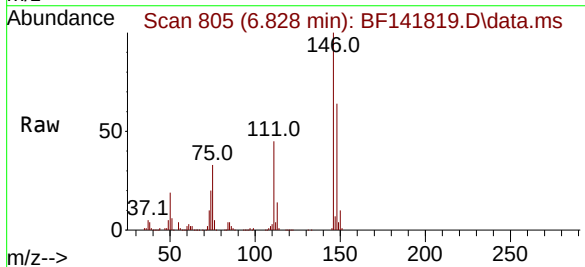
Instrument :  
BNA\_F  
ClientSampleId :  
TR-04-02282025MS

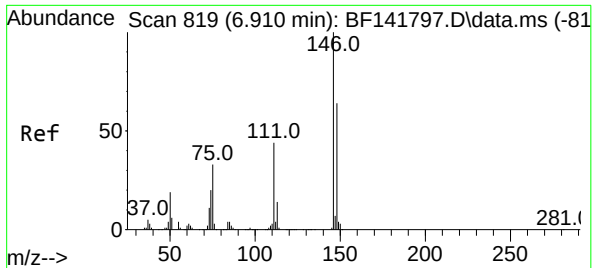
Tgt Ion: 93 Resp: 313865  
Ion Ratio Lower Upper  
93 100  
63 79.3 59.3 99.3  
95 32.0 13.2 53.2



#12  
1,3-Dichlorobenzene  
Concen: 42.957 ng  
RT: 6.828 min Scan# 805  
Delta R.T. -0.006 min  
Lab File: BF141819.D  
Acq: 03 Mar 2025 18:16

Tgt Ion:146 Resp: 346113  
Ion Ratio Lower Upper  
146 100  
148 63.7 51.8 77.6  
75 32.6 26.2 39.4

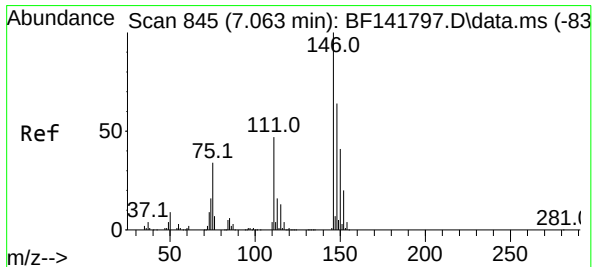
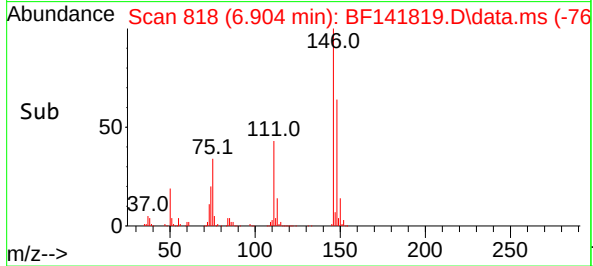
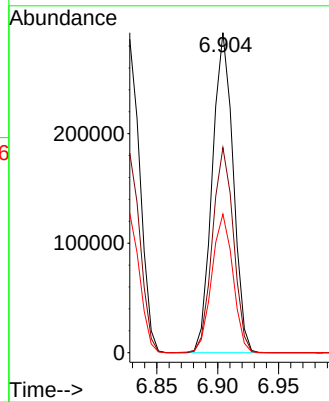
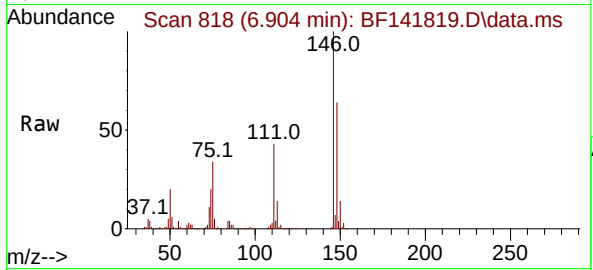




#13  
1,4-Dichlorobenzene  
Concen: 42.891 ng  
RT: 6.904 min Scan# 819  
Delta R.T. -0.006 min  
Lab File: BF141819.D  
Acq: 03 Mar 2025 18:16

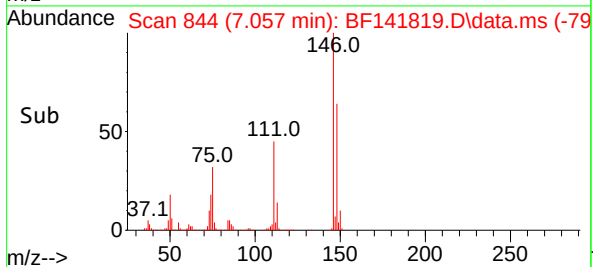
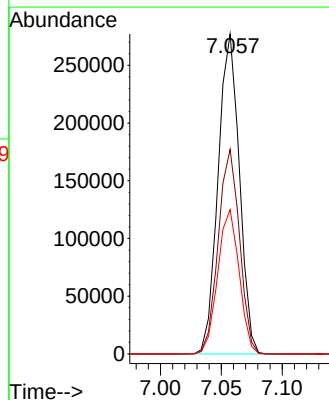
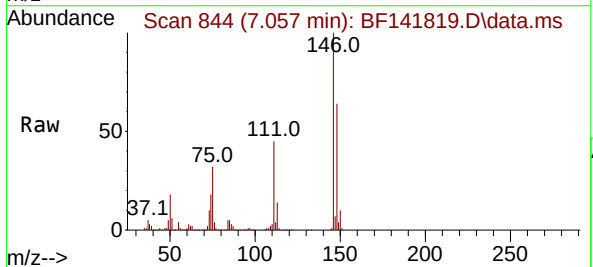
Instrument :  
BNA\_F  
ClientSampleId :  
TR-04-02282025MS

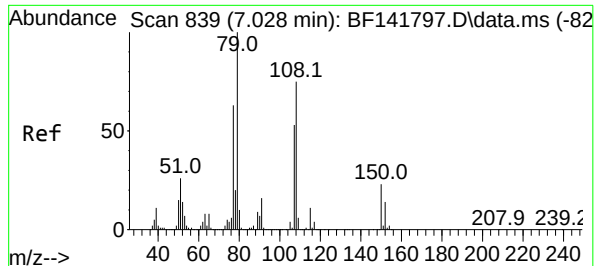
Tgt Ion:146 Resp: 348203  
Ion Ratio Lower Upper  
146 100  
148 64.1 51.4 77.2  
111 43.3 35.5 53.3



#14  
1,2-Dichlorobenzene  
Concen: 44.453 ng  
RT: 7.057 min Scan# 844  
Delta R.T. -0.006 min  
Lab File: BF141819.D  
Acq: 03 Mar 2025 18:16

Tgt Ion:146 Resp: 336988  
Ion Ratio Lower Upper  
146 100  
148 64.0 51.2 76.8  
111 45.1 37.8 56.6

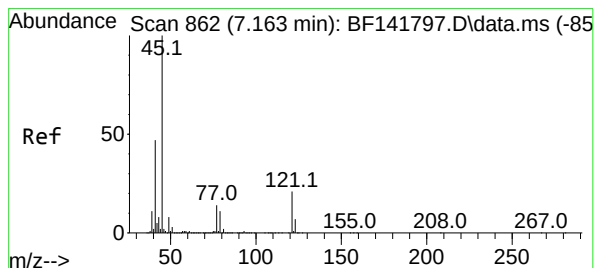
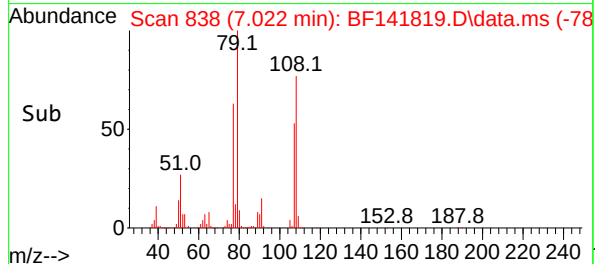
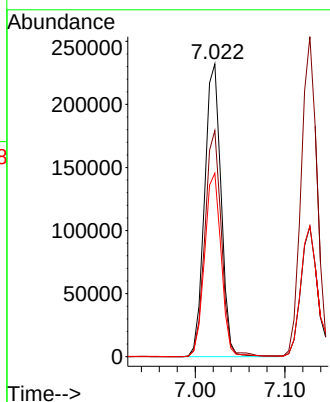
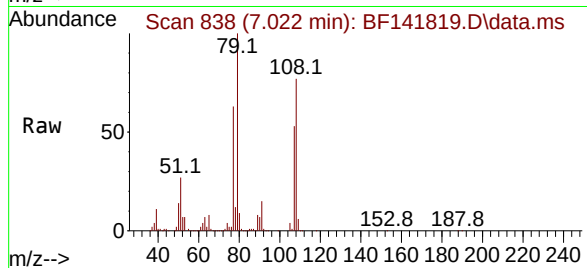




#15  
Benzyl Alcohol  
Concen: 41.037 ng  
RT: 7.022 min Scan# 81  
Delta R.T. -0.006 min  
Lab File: BF141819.D  
Acq: 03 Mar 2025 18:16

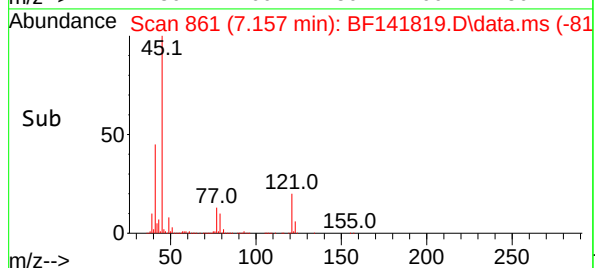
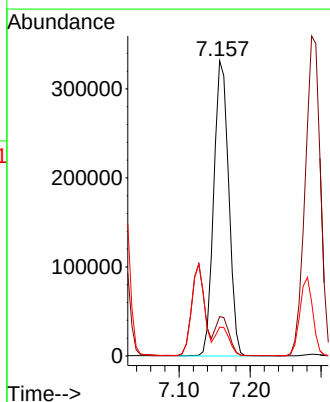
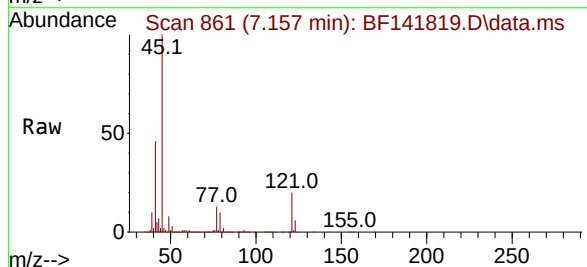
Instrument :  
BNA\_F  
ClientSampleId :  
TR-04-02282025MS

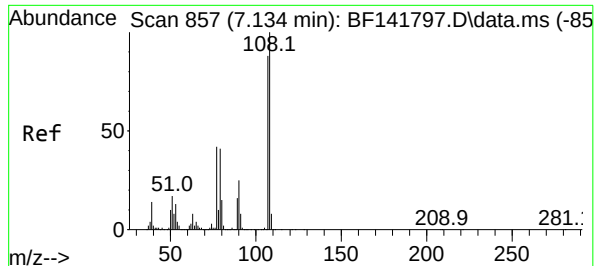
Tgt Ion: 79 Resp: 296892  
Ion Ratio Lower Upper  
79 100  
108 77.2 60.2 90.2  
77 62.7 50.2 75.2



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 43.137 ng  
RT: 7.157 min Scan# 861  
Delta R.T. -0.006 min  
Lab File: BF141819.D  
Acq: 03 Mar 2025 18:16

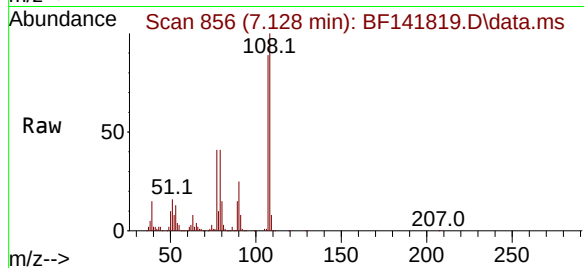
Tgt Ion: 45 Resp: 483054  
Ion Ratio Lower Upper  
45 100  
77 13.4 0.0 34.4  
79 9.8 0.0 30.9



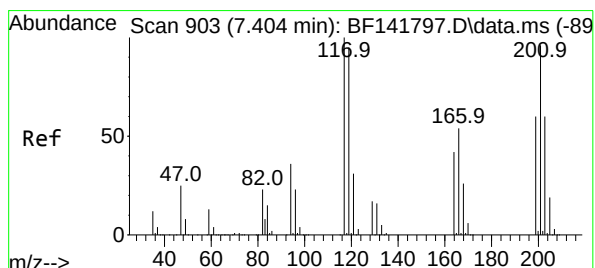
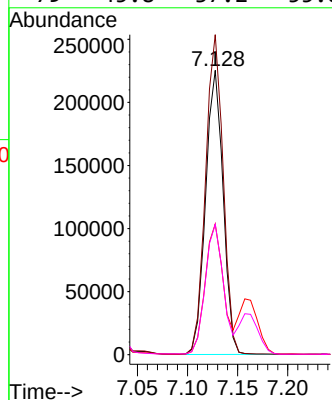
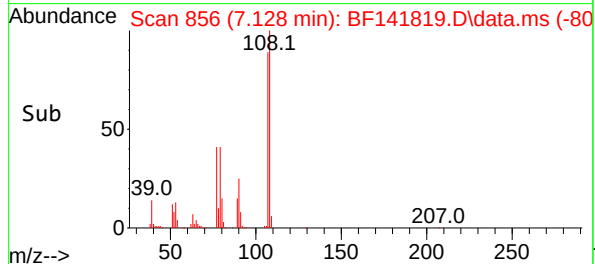


#17  
2-Methylphenol  
Concen: 44.367 ng  
RT: 7.128 min Scan# 856  
Delta R.T. -0.006 min  
Lab File: BF141819.D  
Acq: 03 Mar 2025 18:16

Instrument :  
BNA\_F  
ClientSampleId :  
TR-04-02282025MS

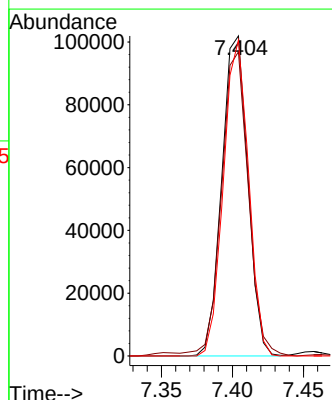
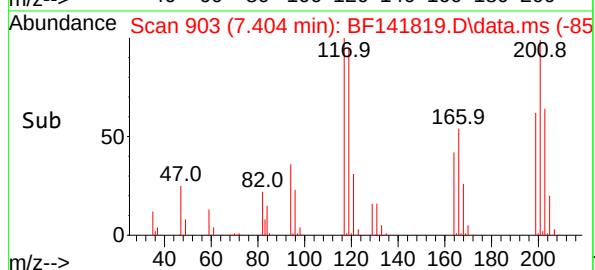
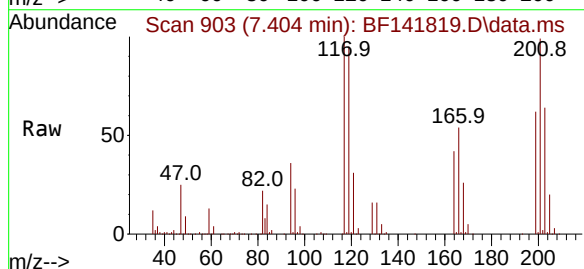


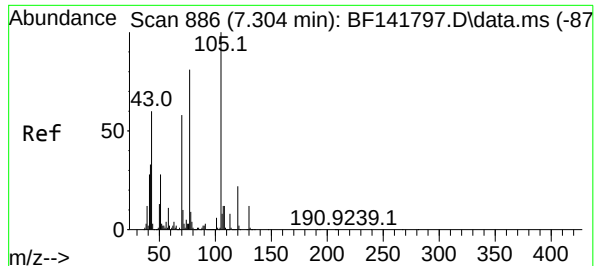
Tgt Ion:107 Resp: 275526  
Ion Ratio Lower Upper  
107 100  
108 112.5 90.6 135.8  
77 46.0 37.7 56.5  
79 45.8 37.2 55.8



#18  
Hexachloroethane  
Concen: 42.688 ng  
RT: 7.404 min Scan# 903  
Delta R.T. -0.000 min  
Lab File: BF141819.D  
Acq: 03 Mar 2025 18:16

Tgt Ion:117 Resp: 129709  
Ion Ratio Lower Upper  
117 100  
119 95.0 75.8 113.8  
201 98.7 76.7 115.1





#19

n-Nitroso-di-n-propylamine

Concen: 41.876 ng

RT: 7.292 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF141819.D

Acq: 03 Mar 2025 18:16

Instrument :

BNA\_F

ClientSampleId :

TR-04-02282025MS

Tgt Ion: 70 Resp: 249193

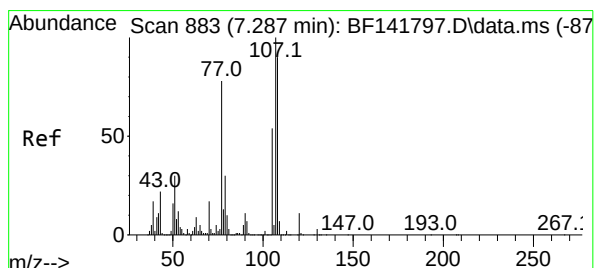
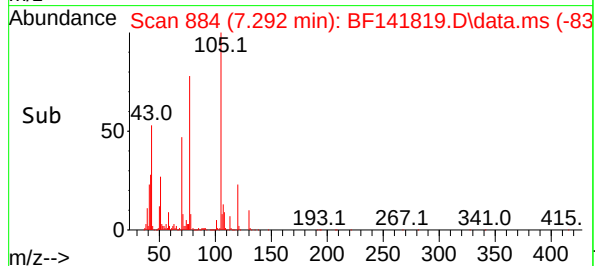
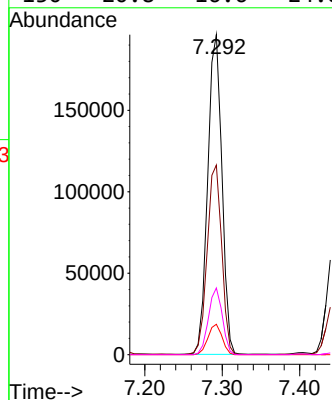
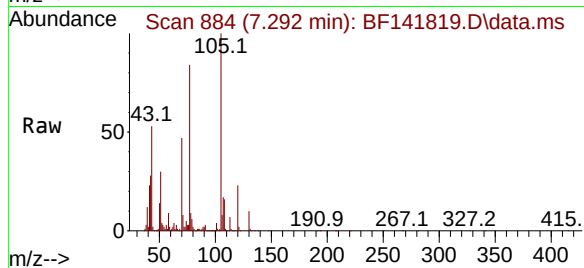
Ion Ratio Lower Upper

70 100

42 59.3 45.4 68.0

101 9.5 7.8 11.8

130 20.8 16.6 24.8



#20

3+4-Methylphenols

Concen: 47.698 ng

RT: 7.281 min Scan# 882

Delta R.T. -0.006 min

Lab File: BF141819.D

Acq: 03 Mar 2025 18:16

Tgt Ion: 107 Resp: 368849

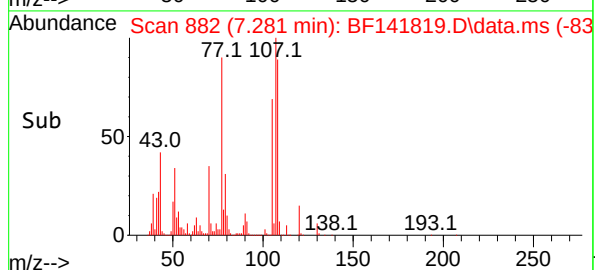
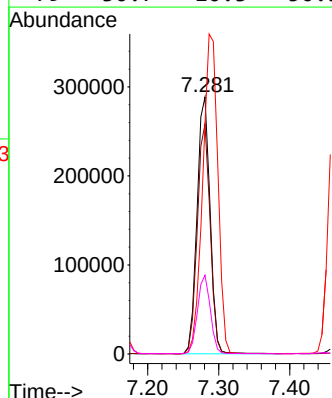
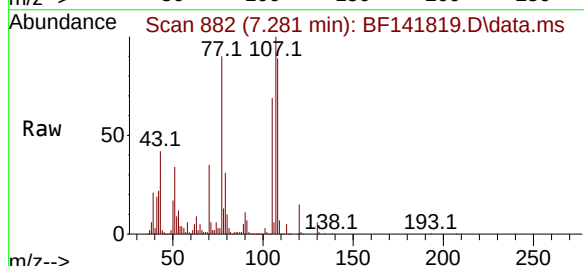
Ion Ratio Lower Upper

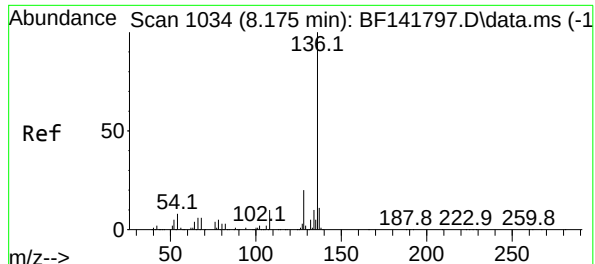
107 100

108 89.5 69.7 109.7

77 89.7 58.3 98.3

79 30.7 10.3 50.3





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.169 min Scan# 1033

Delta R.T. -0.006 min

Lab File: BF141819.D

Acq: 03 Mar 2025 18:16

Instrument :

BNA\_F

ClientSampleId :

TR-04-02282025MS

Tgt Ion:136 Resp: 466588

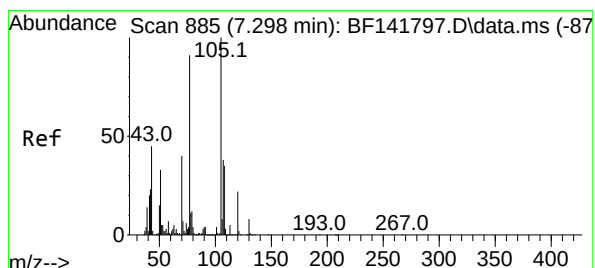
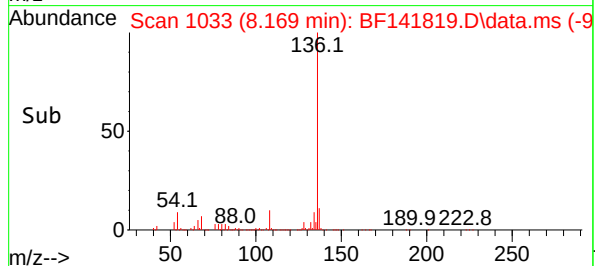
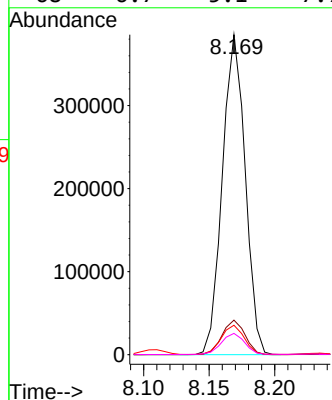
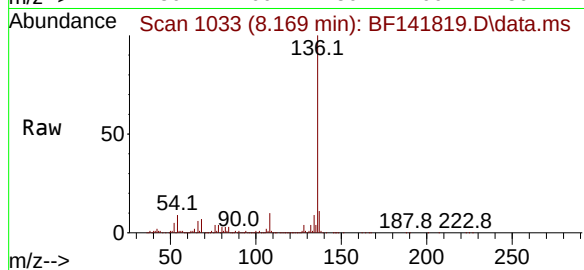
Ion Ratio Lower Upper

136 100

137 10.8 8.9 13.3

54 9.2 6.9 10.3

68 6.7 5.1 7.7



#22

Acetophenone

Concen: 46.051 ng

RT: 7.292 min Scan# 884

Delta R.T. -0.006 min

Lab File: BF141819.D

Acq: 03 Mar 2025 18:16

Tgt Ion:105 Resp: 523320

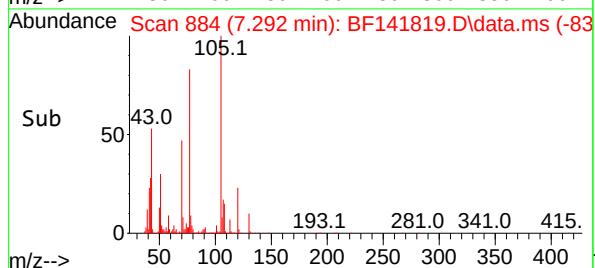
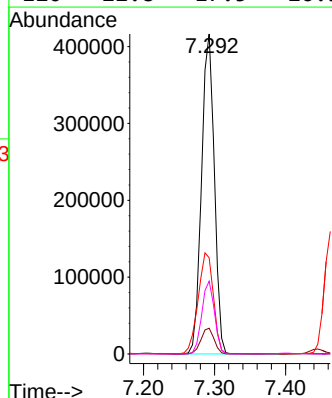
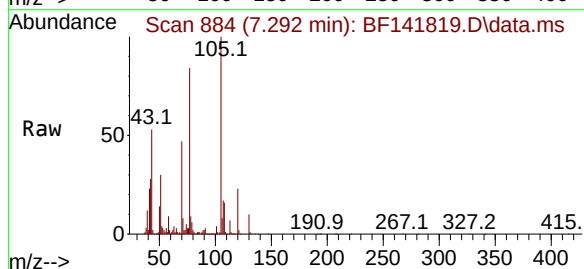
Ion Ratio Lower Upper

105 100

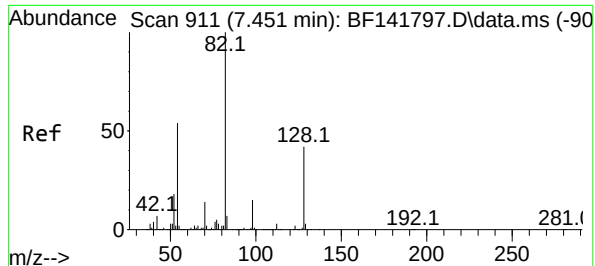
71 8.0 5.4 8.0#

51 30.1 26.1 39.1

120 22.8 17.5 26.3







#23

Nitrobenzene-d5

Concen: 85.100 ng

RT: 7.445 min Scan# 911

Delta R.T. -0.006 min

Lab File: BF141819.D

Acq: 03 Mar 2025 18:16

Instrument :

BNA\_F

ClientSampleId :

TR-04-02282025MS

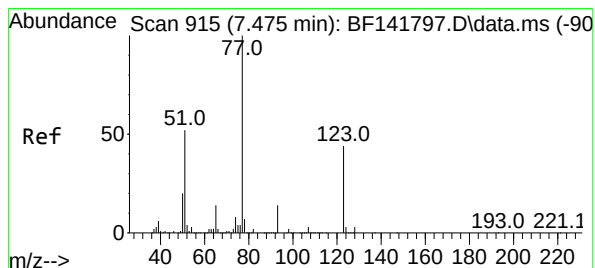
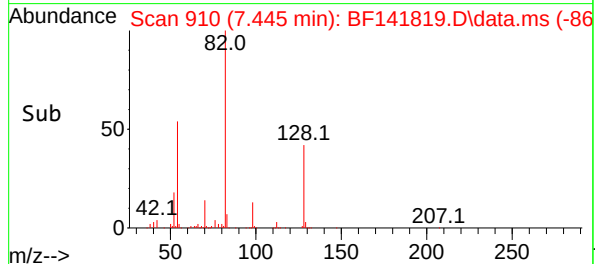
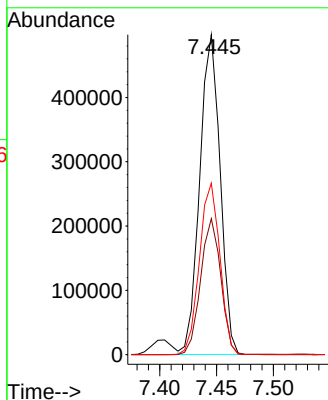
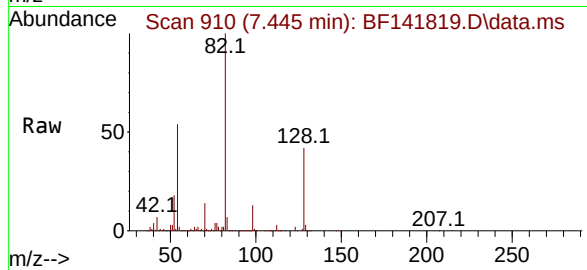
Tgt Ion: 82 Resp: 621192

Ion Ratio Lower Upper

82 100

128 42.5 33.5 50.3

54 53.6 42.7 64.1



#24

Nitrobenzene

Concen: 45.977 ng

RT: 7.463 min Scan# 913

Delta R.T. -0.012 min

Lab File: BF141819.D

Acq: 03 Mar 2025 18:16

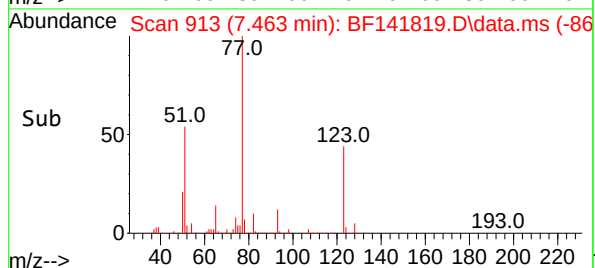
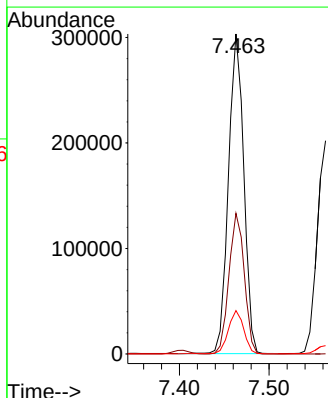
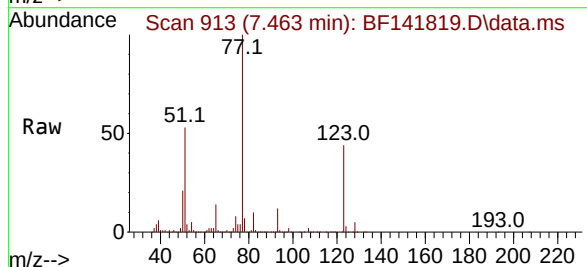
Tgt Ion: 77 Resp: 359391

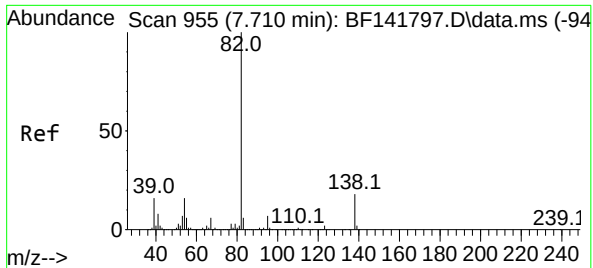
Ion Ratio Lower Upper

77 100

123 43.9 35.8 53.8

65 13.6 11.2 16.8

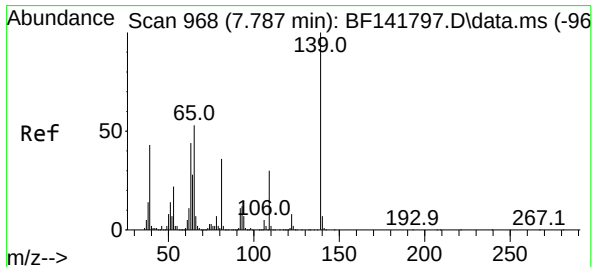
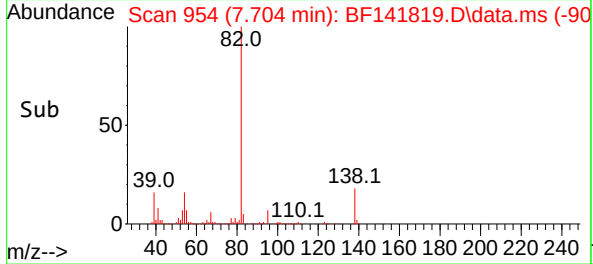
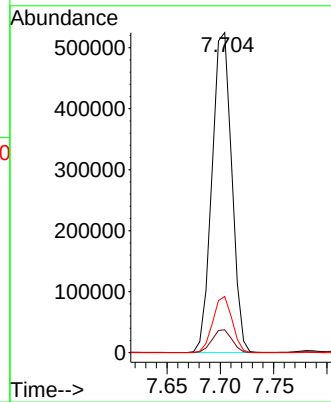
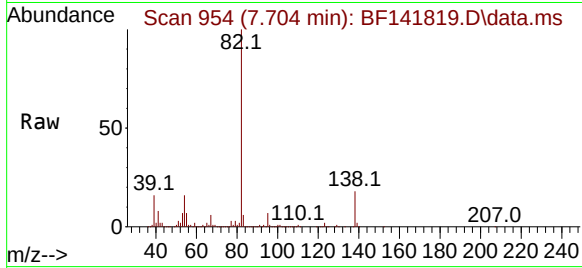




#25  
Isophorone  
Concen: 43.090 ng  
RT: 7.704 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: BF141819.D  
Acq: 03 Mar 2025 18:16

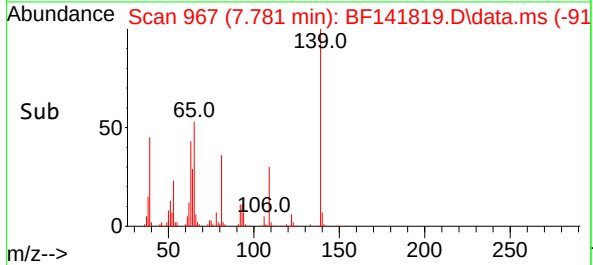
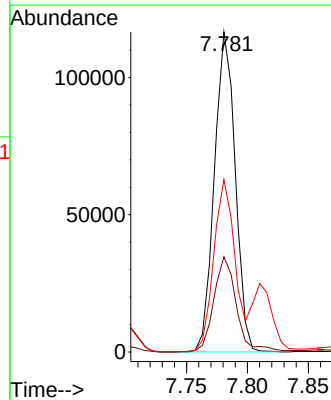
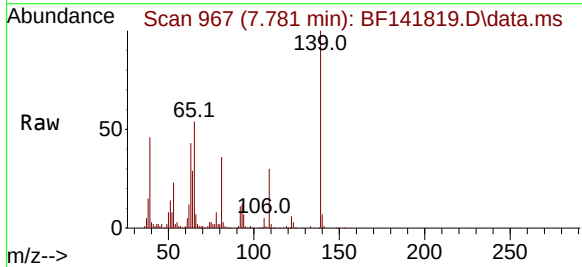
Instrument :  
BNA\_F  
ClientSampleId :  
TR-04-02282025MS

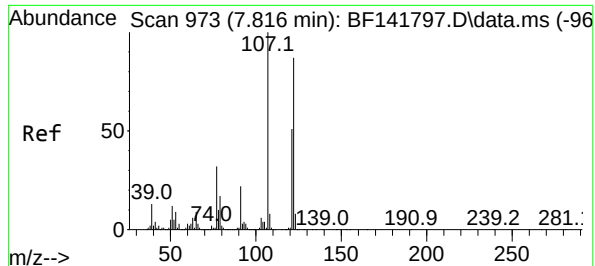
Tgt Ion: 82 Resp: 675743  
Ion Ratio Lower Upper  
82 100  
95 7.2 5.8 8.8  
138 17.5 14.0 21.0



#26  
2-Nitrophenol  
Concen: 40.499 ng  
RT: 7.781 min Scan# 967  
Delta R.T. -0.006 min  
Lab File: BF141819.D  
Acq: 03 Mar 2025 18:16

Tgt Ion: 139 Resp: 138674  
Ion Ratio Lower Upper  
139 100  
109 29.8 24.1 36.1  
65 53.8 42.3 63.5





#27

2,4-Dimethylphenol

Concen: 52.698 ng

RT: 7.810 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF141819.D

Acq: 03 Mar 2025 18:16

Instrument :

BNA\_F

ClientSampleId :

TR-04-02282025MS

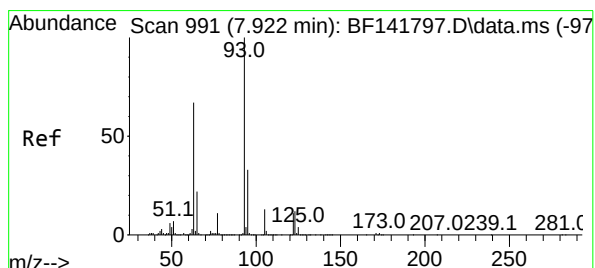
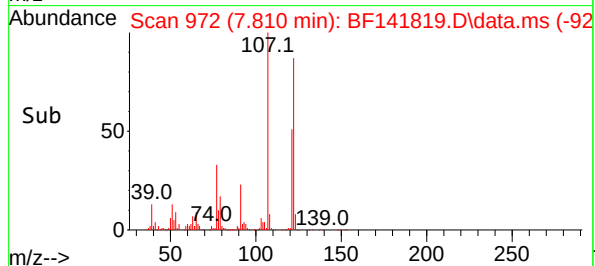
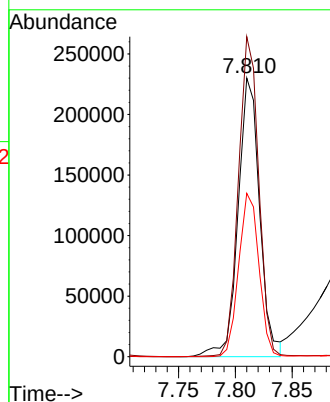
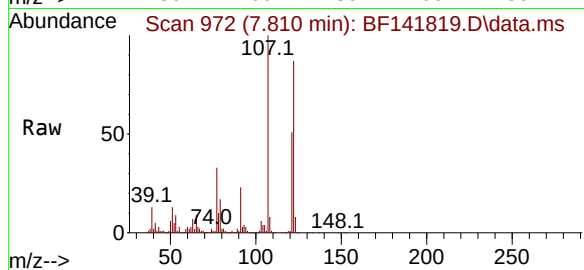
Tgt Ion:122 Resp: 303781

Ion Ratio Lower Upper

122 100

107 114.8 92.5 138.7

121 58.6 47.1 70.7



#28

bis(2-Chloroethoxy)methane

Concen: 40.215 ng

RT: 7.916 min Scan# 990

Delta R.T. -0.006 min

Lab File: BF141819.D

Acq: 03 Mar 2025 18:16

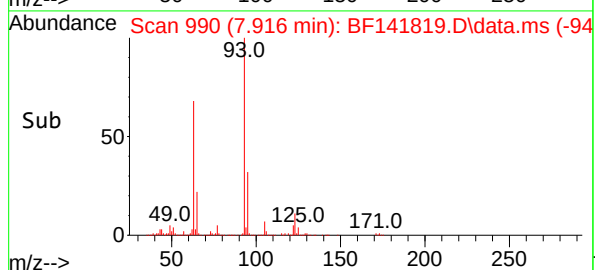
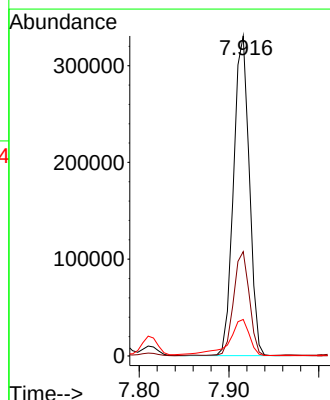
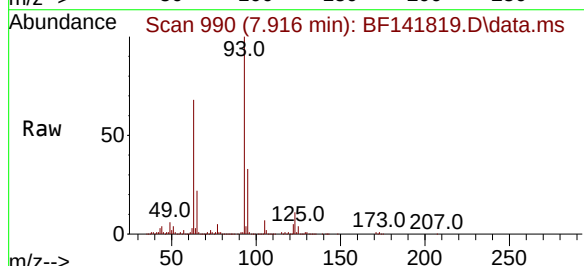
Tgt Ion: 93 Resp: 402295

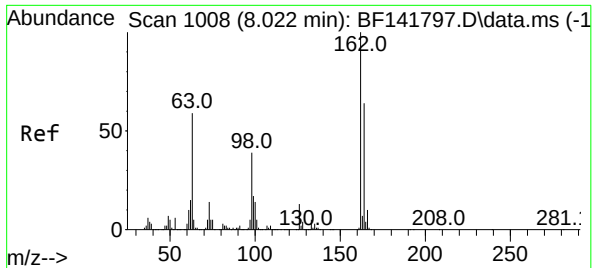
Ion Ratio Lower Upper

93 100

95 32.6 26.5 39.7

123 11.4 10.0 15.0





#29

2,4-Dichlorophenol

Concen: 44.562 ng

RT: 8.016 min Scan# 1007

Delta R.T. -0.006 min

Lab File: BF141819.D

Acq: 03 Mar 2025 18:16

Instrument :

BNA\_F

ClientSampleId :

TR-04-02282025MS

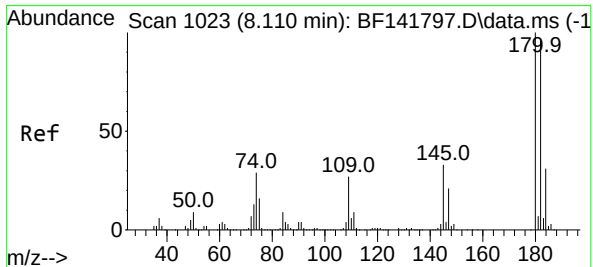
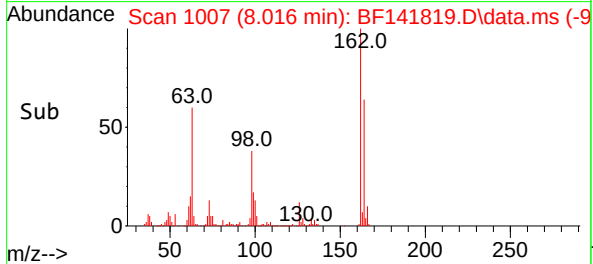
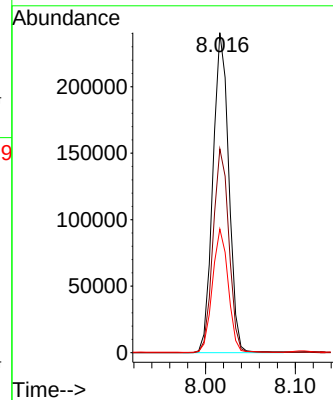
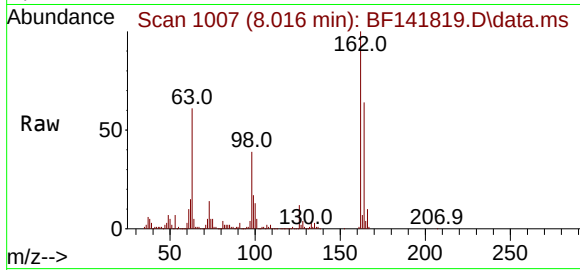
Tgt Ion:162 Resp: 296348

Ion Ratio Lower Upper

162 100

164 63.7 44.3 84.3

98 38.6 19.6 59.6



#30

1,2,4-Trichlorobenzene

Concen: 41.411 ng

RT: 8.110 min Scan# 1023

Delta R.T. -0.000 min

Lab File: BF141819.D

Acq: 03 Mar 2025 18:16

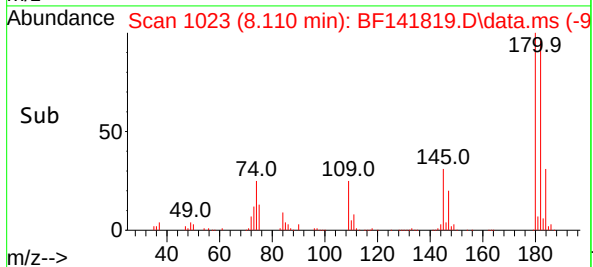
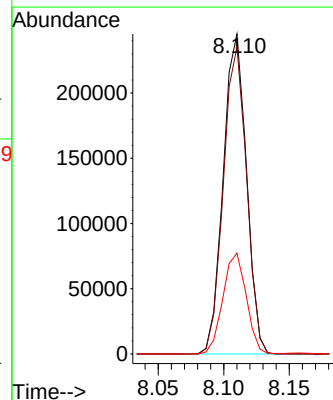
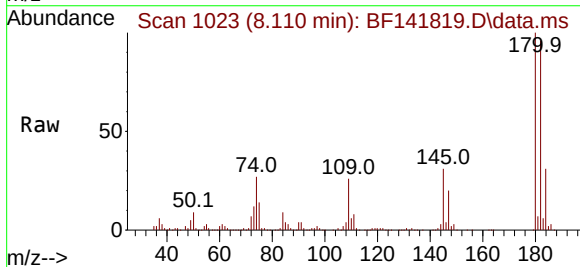
Tgt Ion:180 Resp: 301771

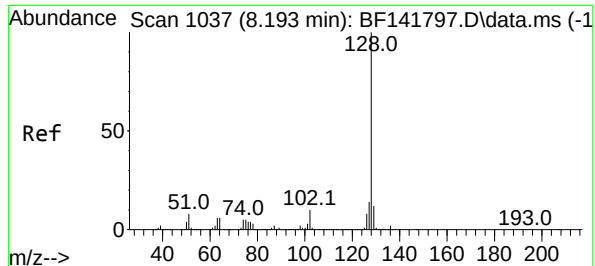
Ion Ratio Lower Upper

180 100

182 95.9 76.8 115.2

145 31.5 26.4 39.6





#31

Naphthalene

Concen: 44.635 ng

RT: 8.192 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF141819.D

Acq: 03 Mar 2025 18:16

Instrument :

BNA\_F

ClientSampleId :

TR-04-02282025MS

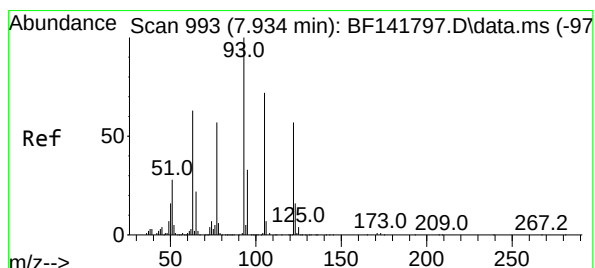
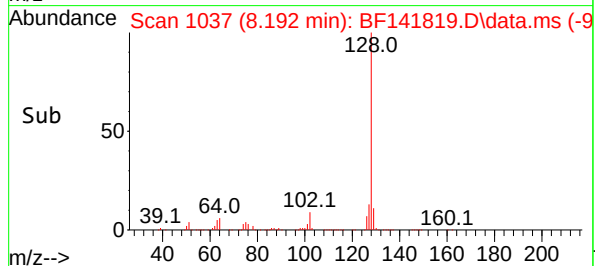
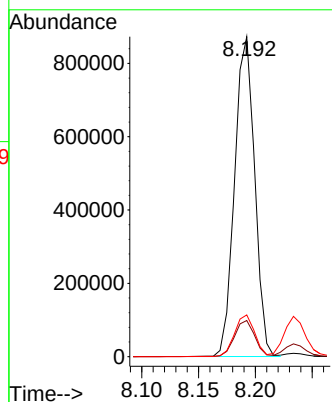
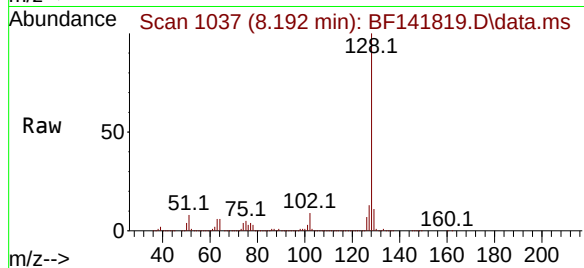
Tgt Ion:128 Resp: 1070374

Ion Ratio Lower Upper

128 100

129 11.3 9.2 13.8

127 13.1 11.0 16.4



#32

Benzoic acid

Concen: 45.579 ng

RT: 7.898 min Scan# 987

Delta R.T. -0.036 min

Lab File: BF141819.D

Acq: 03 Mar 2025 18:16

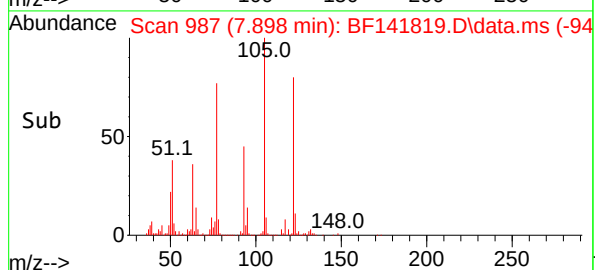
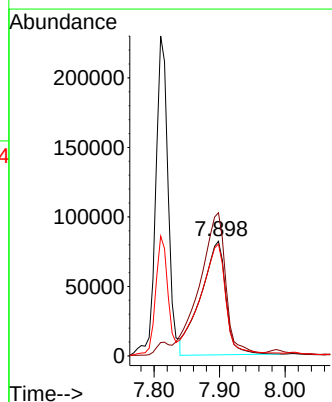
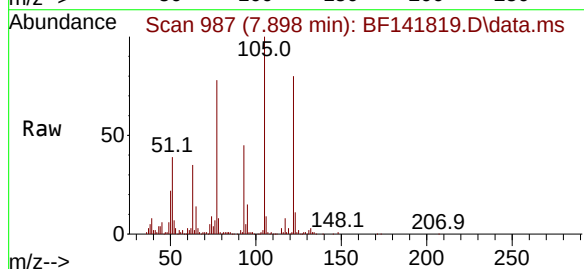
Tgt Ion:122 Resp: 217073

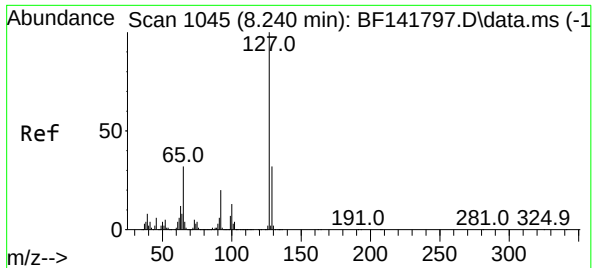
Ion Ratio Lower Upper

122 100

105 124.8 105.8 145.8

77 97.6 79.9 119.9

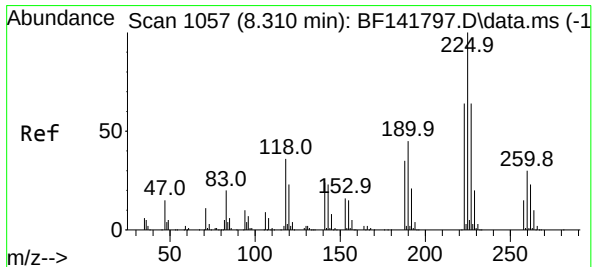
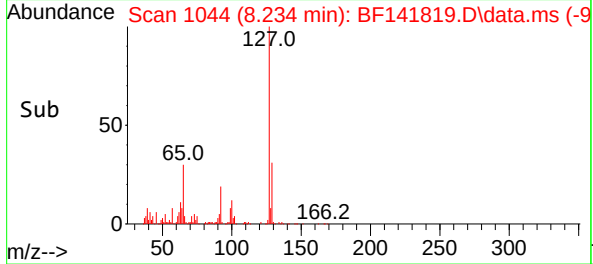
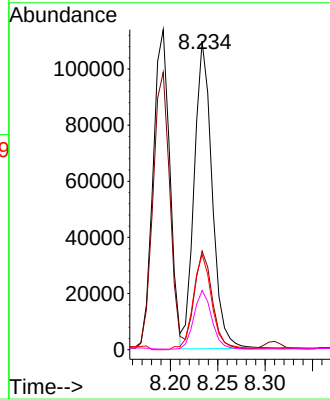
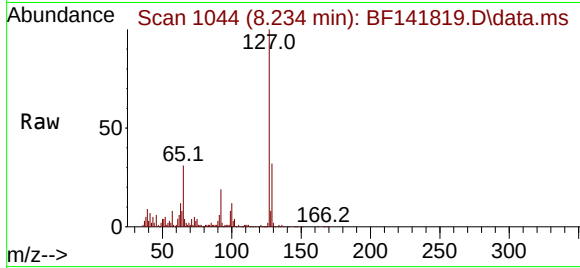




#33  
4-Chloroaniline  
Concen: 16.406 ng  
RT: 8.234 min Scan# 1044  
Delta R.T. -0.006 min  
Lab File: BF141819.D  
Acq: 03 Mar 2025 18:16

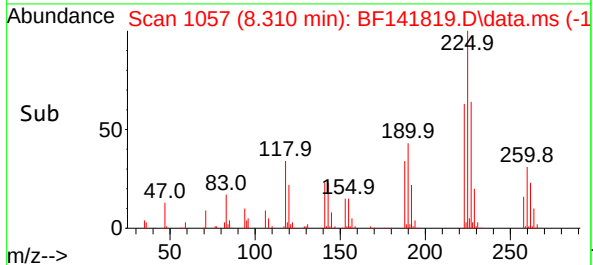
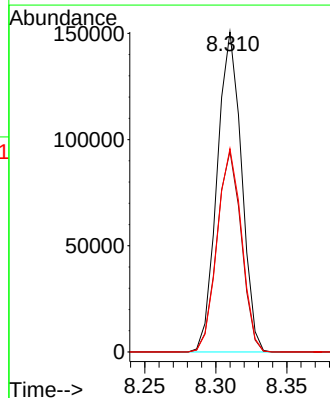
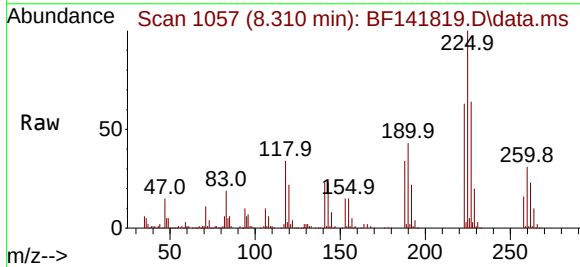
Instrument :  
BNA\_F  
ClientSampleId :  
TR-04-02282025MS

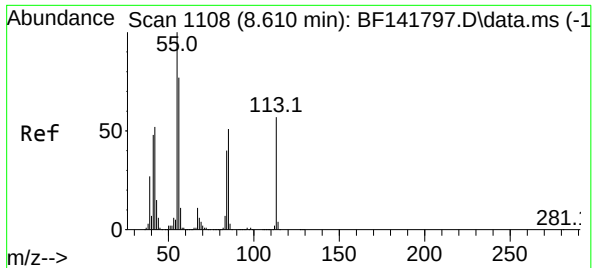
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 127   | Resp: | 144256 |
| Ion      | Ratio | Lower | Upper  |
| 127      | 100   |       |        |
| 129      | 31.9  | 26.1  | 39.1   |
| 65       | 30.8  | 25.7  | 38.5   |
| 92       | 19.2  | 16.1  | 24.1   |



#34  
Hexachlorobutadiene  
Concen: 39.713 ng  
RT: 8.310 min Scan# 1057  
Delta R.T. -0.000 min  
Lab File: BF141819.D  
Acq: 03 Mar 2025 18:16

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 225   | Resp: | 179837 |
| Ion      | Ratio | Lower | Upper  |
| 225      | 100   |       |        |
| 223      | 62.7  | 51.4  | 77.2   |
| 227      | 63.5  | 51.6  | 77.4   |





#35

Caprolactam

Concen: 63.028 ng m

RT: 8.581 min Scan# 1103

Delta R.T. -0.030 min

Lab File: BF141819.D

Acq: 03 Mar 2025 18:16

Instrument :

BNA\_F

ClientSampleId :

TR-04-02282025MS

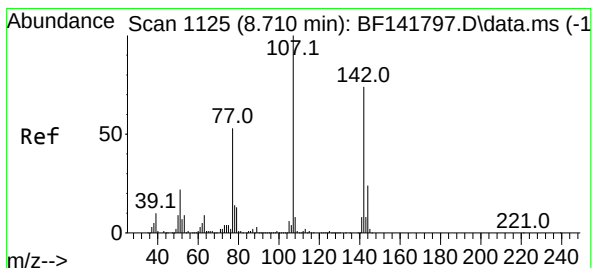
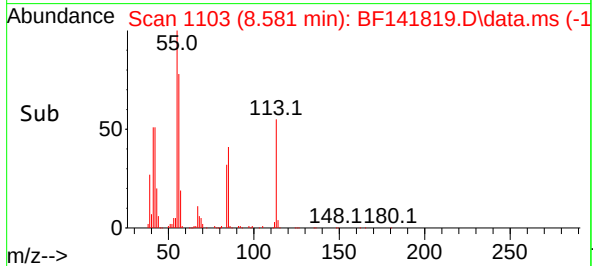
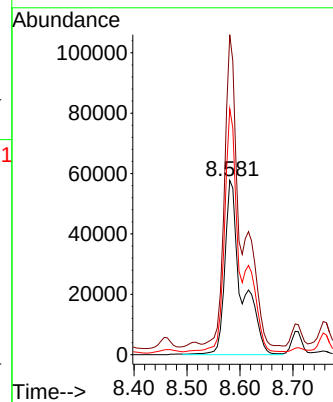
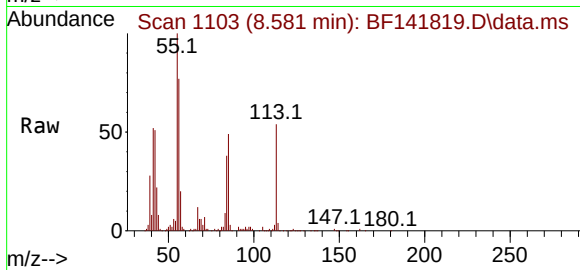
Tgt Ion:113 Resp: 128944

Ion Ratio Lower Upper

113 100

55 183.7 155.6 195.6

56 141.1 114.6 154.6



#36

4-Chloro-3-methylphenol

Concen: 48.241 ng

RT: 8.710 min Scan# 1125

Delta R.T. -0.000 min

Lab File: BF141819.D

Acq: 03 Mar 2025 18:16

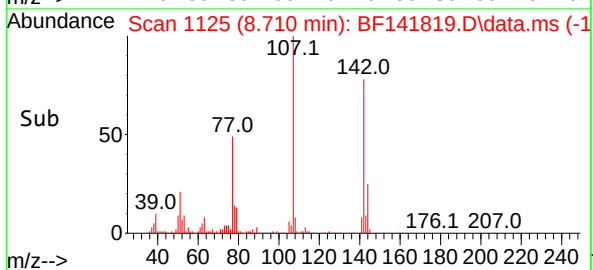
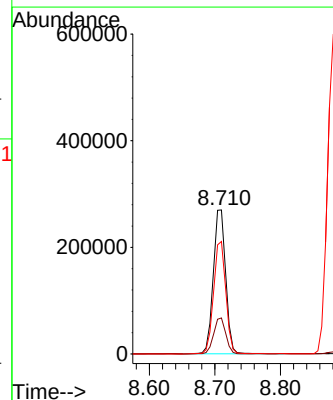
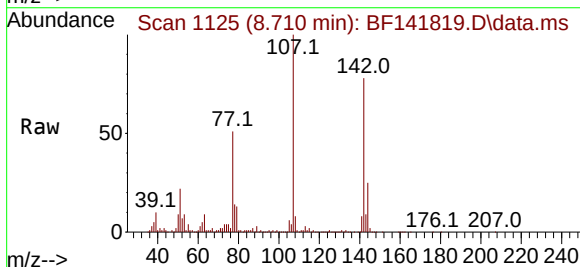
Tgt Ion:107 Resp: 356381

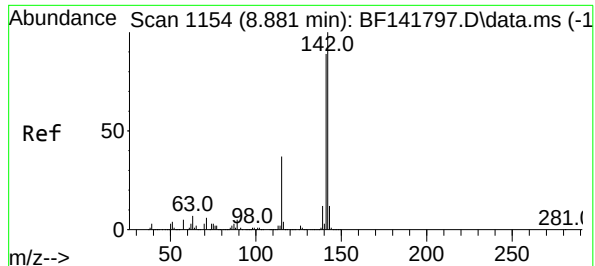
Ion Ratio Lower Upper

107 100

144 25.0 19.4 29.0

142 78.1 59.4 89.0





#37

2-Methylnaphthalene

Concen: 46.231 ng

RT: 8.881 min Scan# 1154

Delta R.T. -0.000 min

Lab File: BF141819.D

Acq: 03 Mar 2025 18:16

Instrument :

BNA\_F

ClientSampleId :

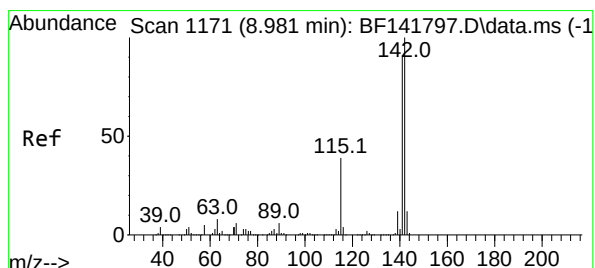
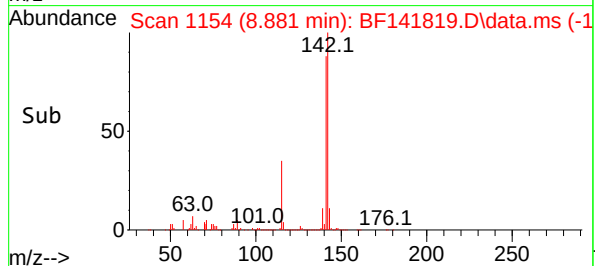
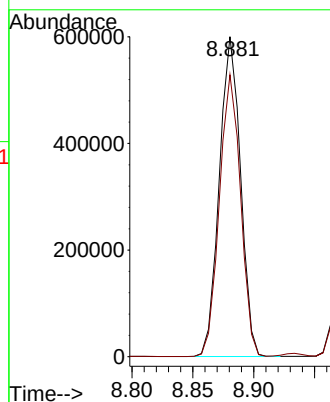
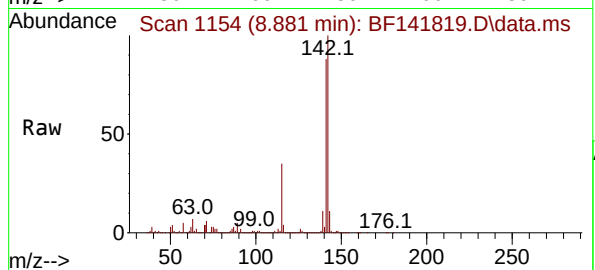
TR-04-02282025MS

Tgt Ion:142 Resp: 727188

Ion Ratio Lower Upper

142 100

141 88.1 71.1 106.7



#38

1-Methylnaphthalene

Concen: 47.532 ng

RT: 8.981 min Scan# 1171

Delta R.T. -0.000 min

Lab File: BF141819.D

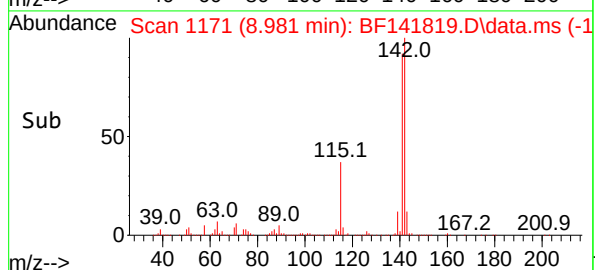
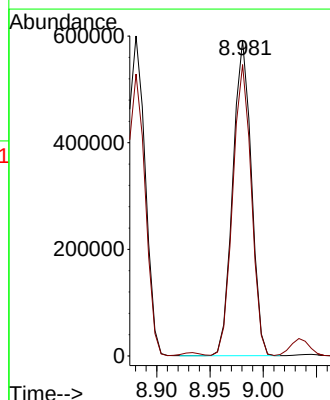
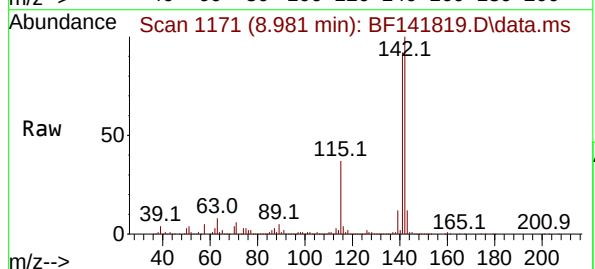
Acq: 03 Mar 2025 18:16

Tgt Ion:142 Resp: 717379

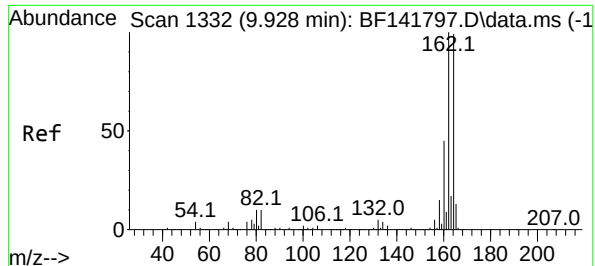
Ion Ratio Lower Upper

142 100

141 92.3 73.1 109.7







#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.922 min Scan# 1182

Delta R.T. -0.006 min

Lab File: BF141819.D

Acq: 03 Mar 2025 18:16

Instrument :

BNA\_F

ClientSampleId :

TR-04-02282025MS

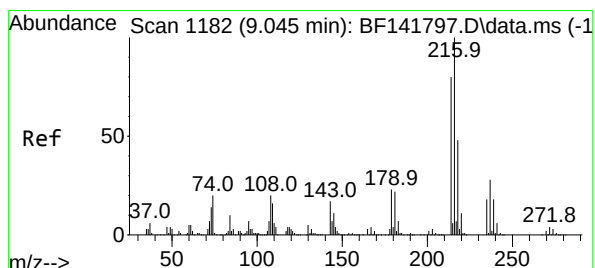
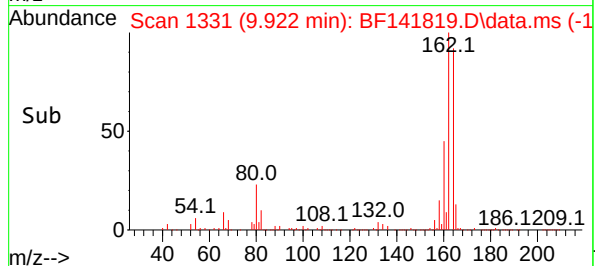
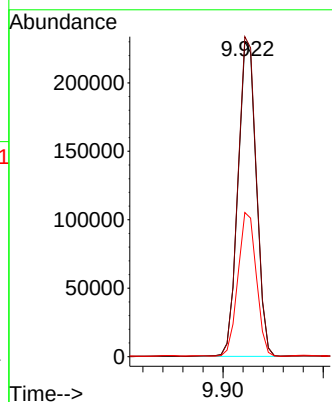
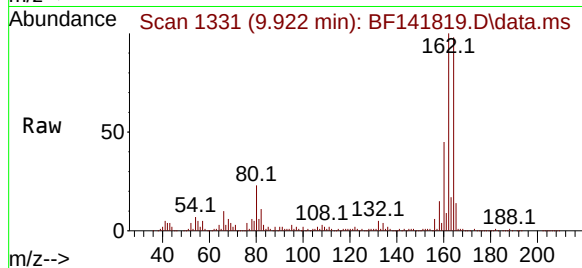
Tgt Ion:164 Resp: 292659

Ion Ratio Lower Upper

164 100

162 101.6 80.6 120.8

160 45.7 36.3 54.5



#40

1,2,4,5-Tetrachlorobenzene

Concen: 43.718 ng

RT: 9.045 min Scan# 1182

Delta R.T. -0.000 min

Lab File: BF141819.D

Acq: 03 Mar 2025 18:16

Tgt Ion:216 Resp: 369518

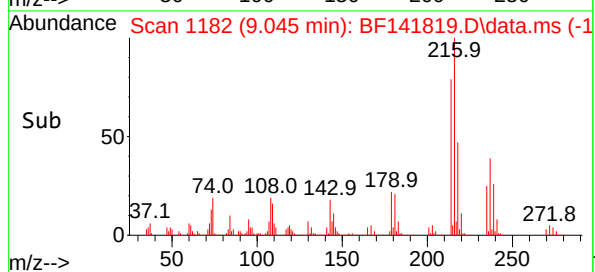
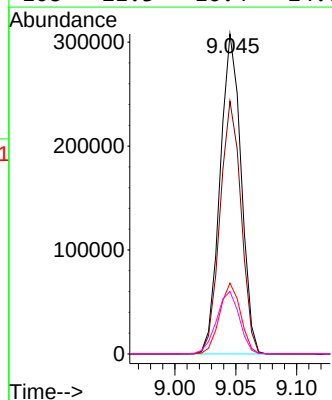
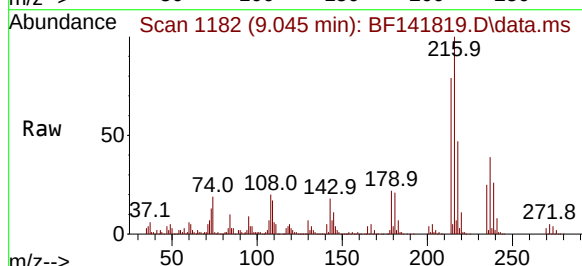
Ion Ratio Lower Upper

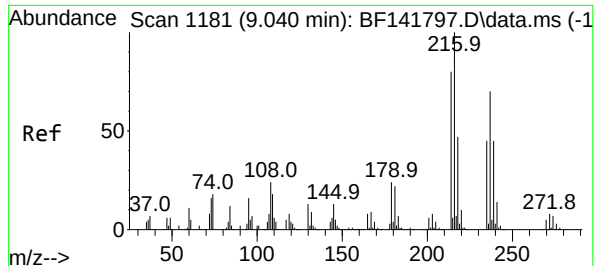
216 100

214 79.1 63.5 95.3

179 22.1 18.1 27.1

108 21.3 16.4 24.6





#41

Hexachlorocyclopentadiene

Concen: 84.821 ng

RT: 9.033 min Scan# 1181

Delta R.T. -0.006 min

Lab File: BF141819.D

Acq: 03 Mar 2025 18:16

Instrument :

BNA\_F

ClientSampleId :

TR-04-02282025MS

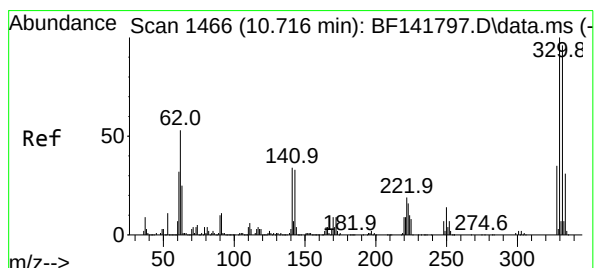
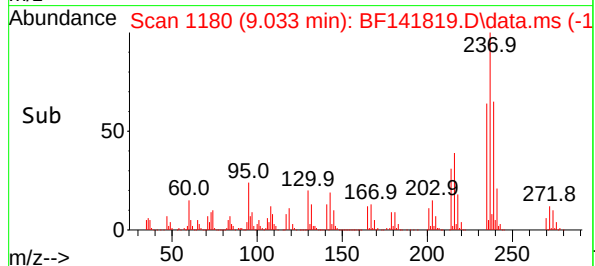
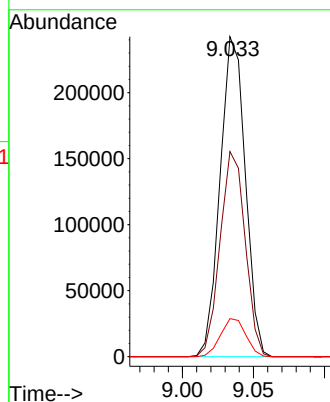
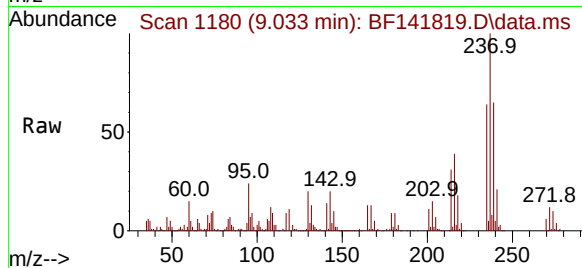
Tgt Ion:237 Resp: 299195

Ion Ratio Lower Upper

237 100

235 64.1 43.3 83.3

272 11.9 0.0 31.9



#42

2,4,6-Tribromophenol

Concen: 133.993 ng

RT: 10.710 min Scan# 1465

Delta R.T. -0.006 min

Lab File: BF141819.D

Acq: 03 Mar 2025 18:16

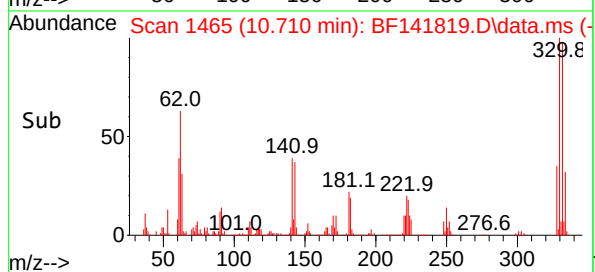
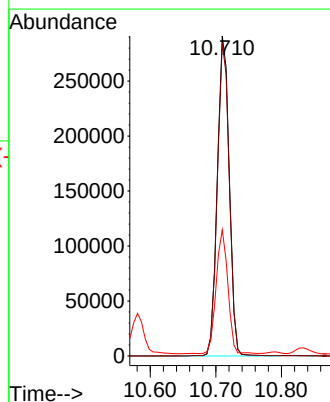
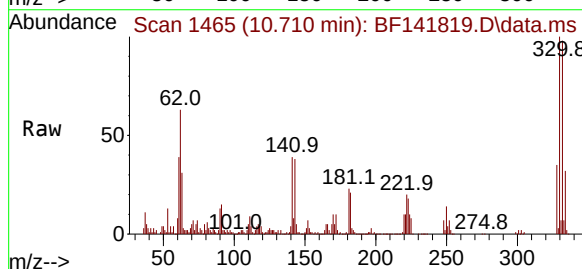
Tgt Ion:330 Resp: 368150

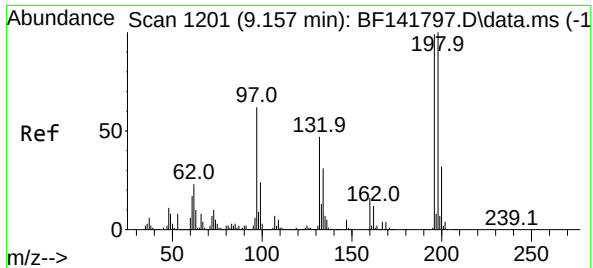
Ion Ratio Lower Upper

330 100

332 97.6 76.6 115.0

141 38.0 29.0 43.4





#43

2,4,6-Trichlorophenol

Concen: 42.678 ng

RT: 9.151 min Scan# 1201

Delta R.T. -0.006 min

Lab File: BF141819.D

Acq: 03 Mar 2025 18:16

Instrument :

BNA\_F

ClientSampleId :

TR-04-02282025MS

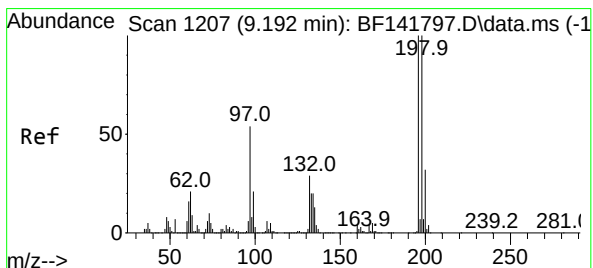
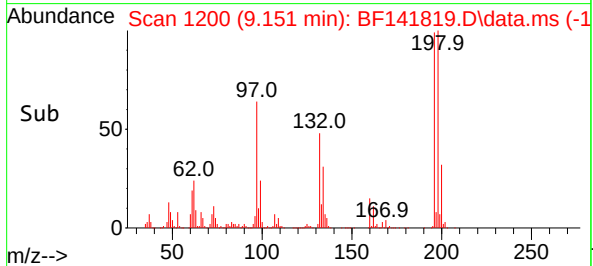
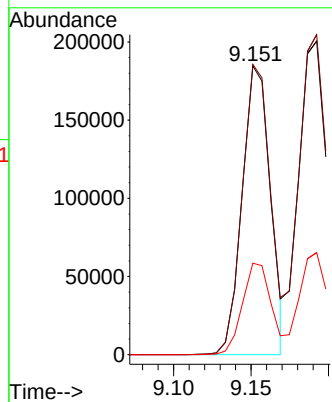
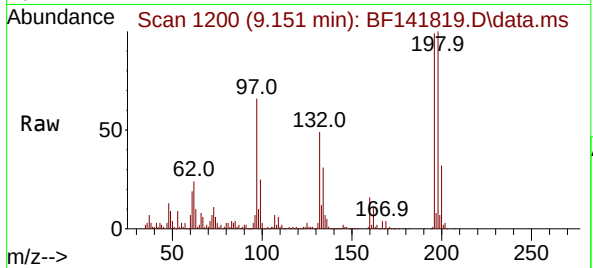
Tgt Ion:196 Resp: 233014

Ion Ratio Lower Upper

196 100

198 100.6 80.4 120.6

200 31.7 25.7 38.5



#44

2,4,5-Trichlorophenol

Concen: 48.153 ng

RT: 9.192 min Scan# 1207

Delta R.T. -0.000 min

Lab File: BF141819.D

Acq: 03 Mar 2025 18:16

Tgt Ion:196 Resp: 260340

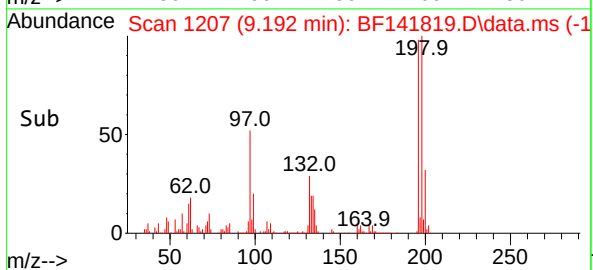
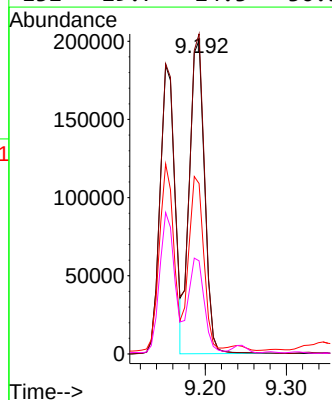
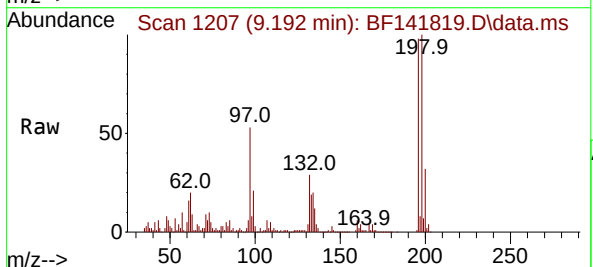
Ion Ratio Lower Upper

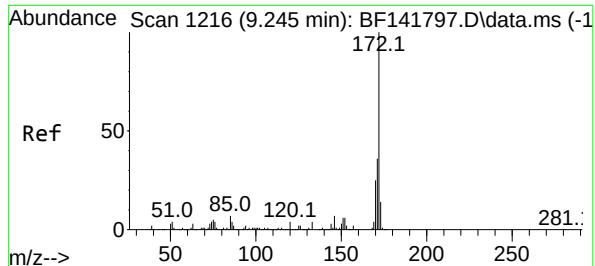
196 100

198 102.0 79.7 119.5

97 54.3 44.2 66.2

132 29.7 24.3 36.5





#45

2-Fluorobiphenyl

Concen: 74.053 ng

RT: 9.245 min Scan# 1216

Delta R.T. -0.000 min

Lab File: BF141819.D

Acq: 03 Mar 2025 18:16

Instrument :

BNA\_F

ClientSampleId :

TR-04-02282025MS

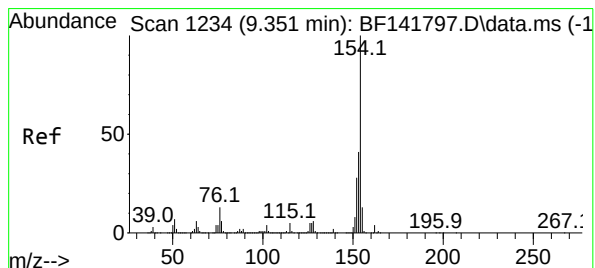
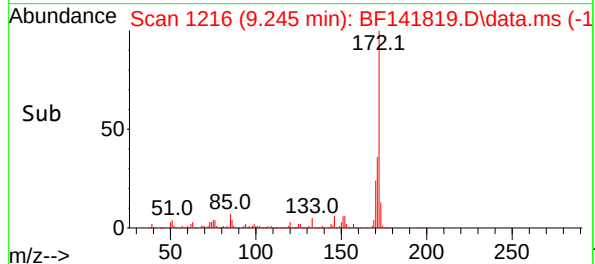
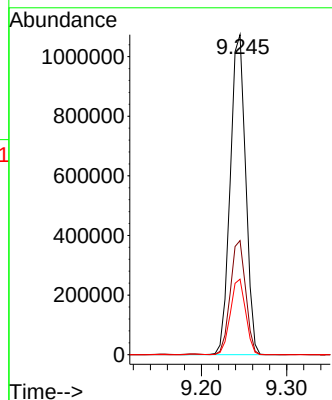
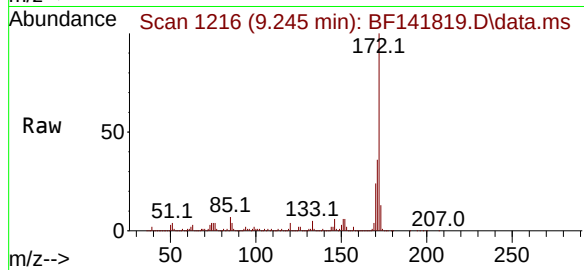
Tgt Ion:172 Resp: 1351607

Ion Ratio Lower Upper

172 100

171 35.7 29.2 43.8

170 23.6 19.7 29.5



#46

1,1'-Biphenyl

Concen: 46.260 ng

RT: 9.345 min Scan# 1233

Delta R.T. -0.006 min

Lab File: BF141819.D

Acq: 03 Mar 2025 18:16

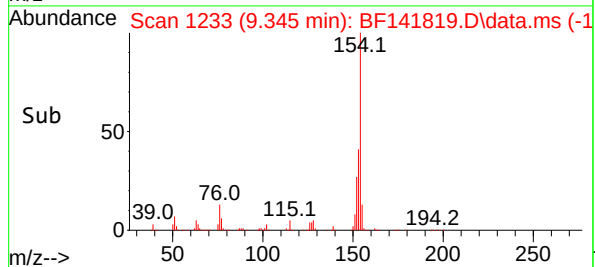
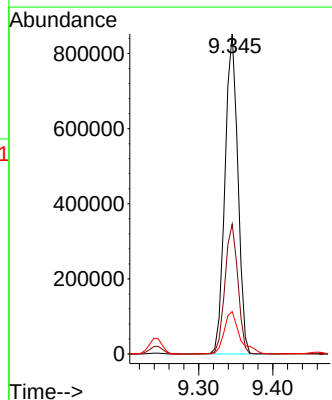
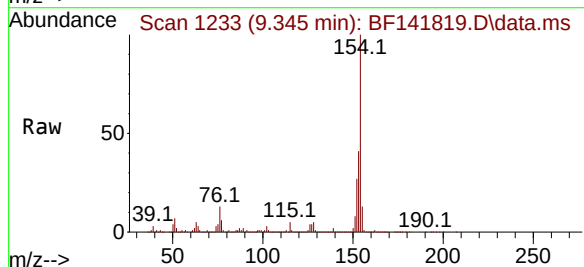
Tgt Ion:154 Resp: 1030482

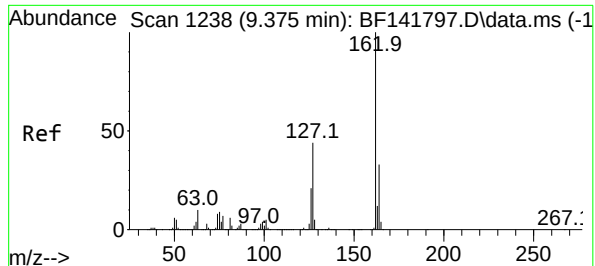
Ion Ratio Lower Upper

154 100

153 40.6 21.4 61.4

76 13.3 0.0 33.4





#47

2-Chloronaphthalene

Concen: 42.670 ng

RT: 9.369 min Scan# 1237

Delta R.T. -0.006 min

Lab File: BF141819.D

Acq: 03 Mar 2025 18:16

Instrument :

BNA\_F

ClientSampleId :

TR-04-02282025MS

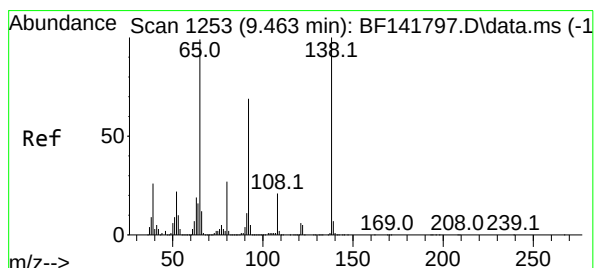
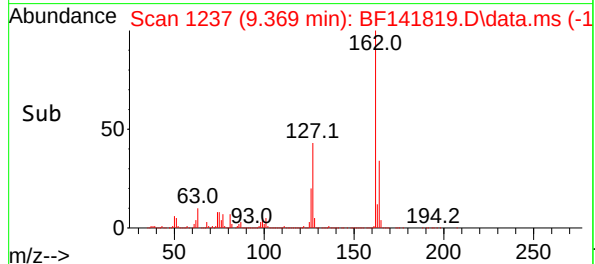
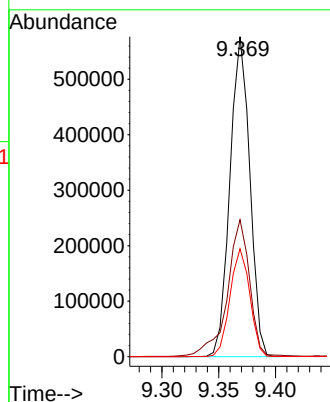
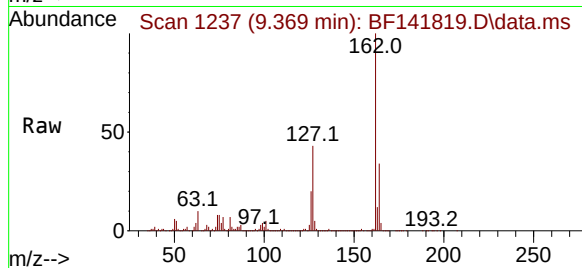
Tgt Ion:162 Resp: 701548

Ion Ratio Lower Upper

162 100

127 42.8 35.0 52.6

164 33.7 26.6 40.0



#48

2-Nitroaniline

Concen: 49.483 ng

RT: 9.457 min Scan# 1252

Delta R.T. -0.006 min

Lab File: BF141819.D

Acq: 03 Mar 2025 18:16

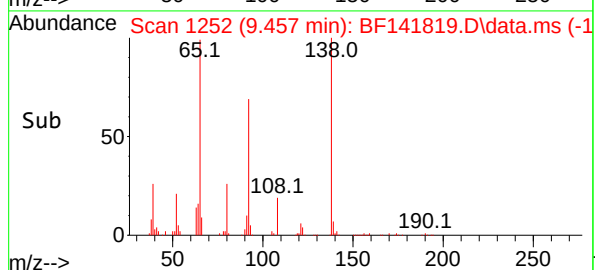
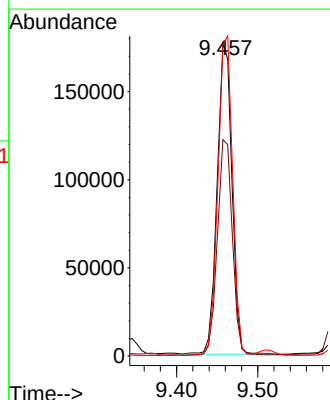
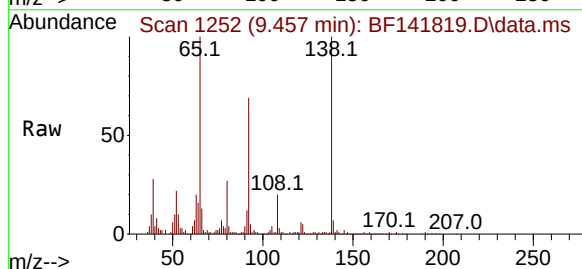
Tgt Ion: 65 Resp: 223360

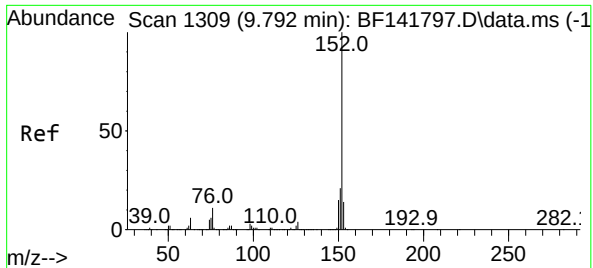
Ion Ratio Lower Upper

65 100

92 69.3 55.7 83.5

138 99.6 80.6 121.0





#49

Acenaphthylene

Concen: 48.648 ng

RT: 9.786 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141819.D

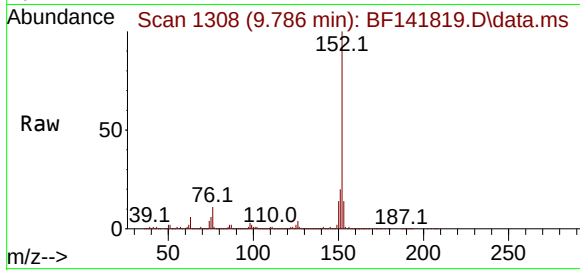
Acq: 03 Mar 2025 18:16

Instrument :

BNA\_F

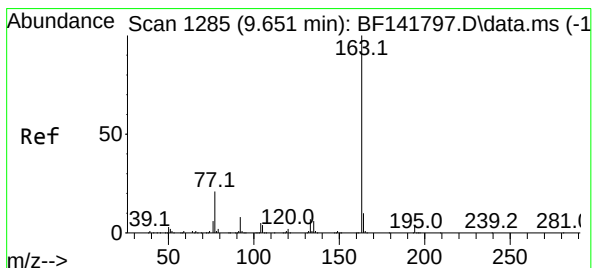
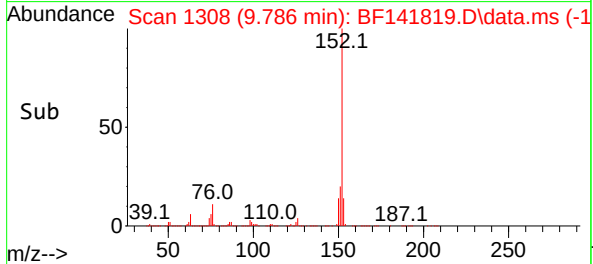
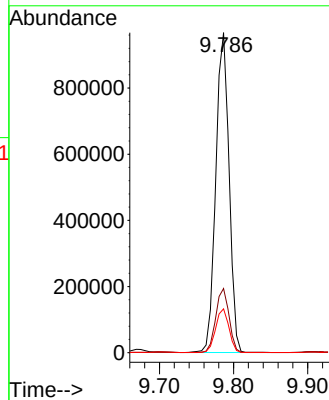
ClientSampleId :

TR-04-02282025MS



Tgt Ion:152 Resp: 1199203

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 152 | 100   |       |       |
| 151 | 20.1  | 16.6  | 24.8  |
| 153 | 13.7  | 11.2  | 16.8  |



#50

Dimethylphthalate

Concen: 42.701 ng

RT: 9.639 min Scan# 1283

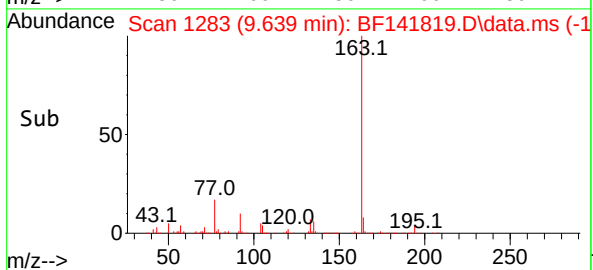
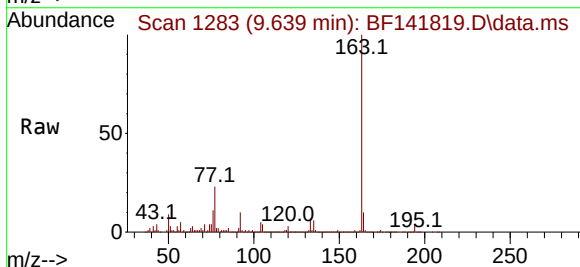
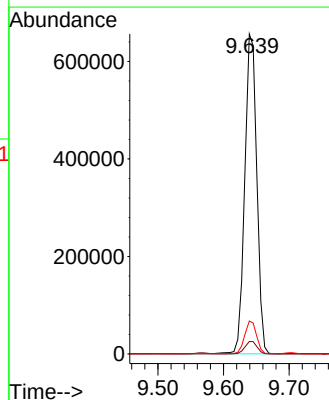
Delta R.T. -0.012 min

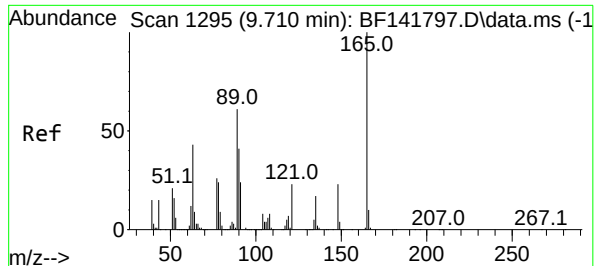
Lab File: BF141819.D

Acq: 03 Mar 2025 18:16

Tgt Ion:163 Resp: 836889

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 163 | 100   |       |       |
| 194 | 3.9   | 3.1   | 4.7   |
| 164 | 10.3  | 8.4   | 12.6  |





#51

2,6-Dinitrotoluene

Concen: 48.014 ng

RT: 9.704 min Scan# 1294

Delta R.T. -0.006 min

Lab File: BF141819.D

Acq: 03 Mar 2025 18:16

Instrument :

BNA\_F

ClientSampleId :

TR-04-02282025MS

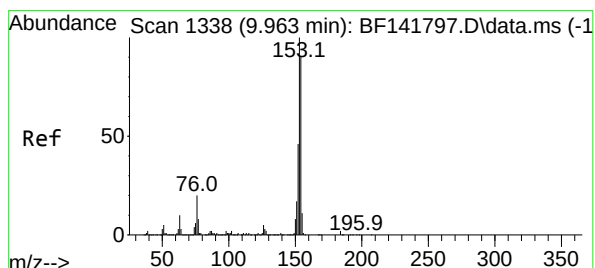
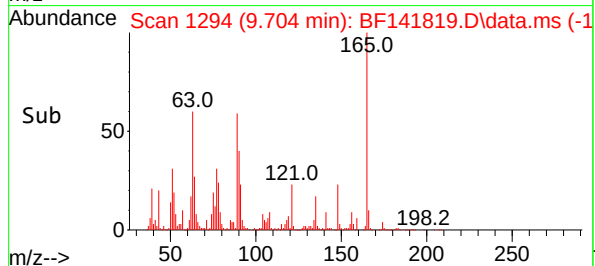
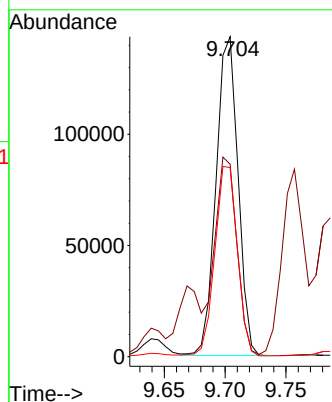
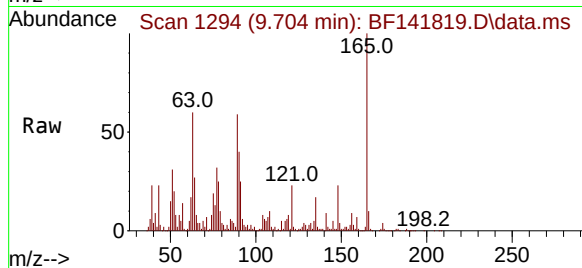
Tgt Ion:165 Resp: 180021

Ion Ratio Lower Upper

165 100

63 60.2 49.5 74.3

89 59.1 49.0 73.4



#52

Acenaphthene

Concen: 62.849 ng

RT: 9.957 min Scan# 1337

Delta R.T. -0.006 min

Lab File: BF141819.D

Acq: 03 Mar 2025 18:16

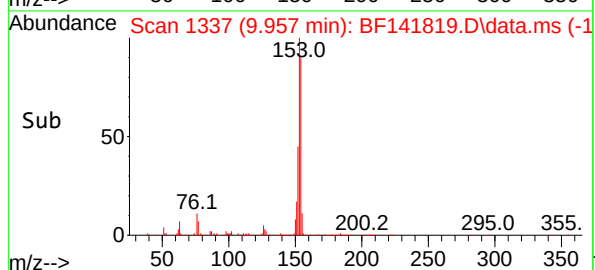
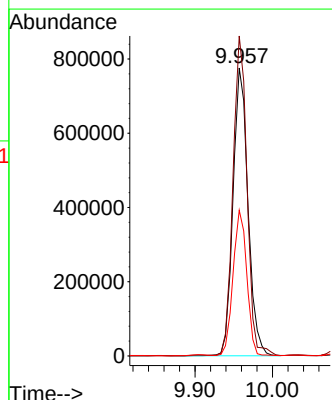
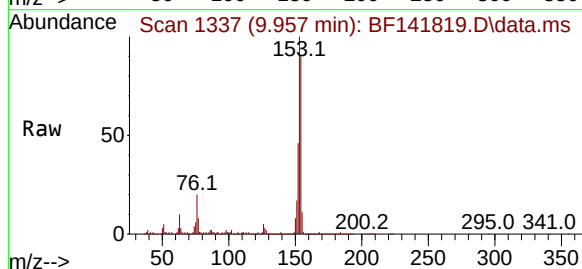
Tgt Ion:154 Resp: 1045381

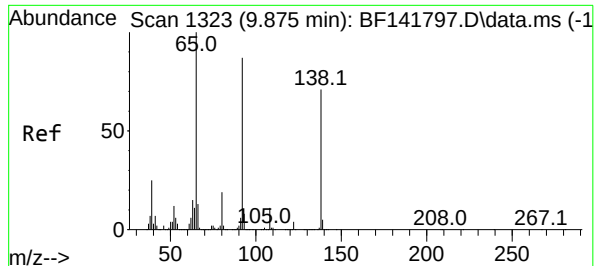
Ion Ratio Lower Upper

154 100

153 111.1 88.7 133.1

152 50.6 40.9 61.3





#53

3-Nitroaniline

Concen: 40.002 ng

RT: 9.869 min Scan# 1322

Delta R.T. -0.006 min

Lab File: BF141819.D

Acq: 03 Mar 2025 18:16

Instrument :

BNA\_F

ClientSampleId :

TR-04-02282025MS

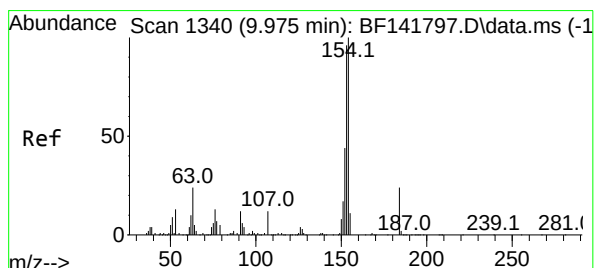
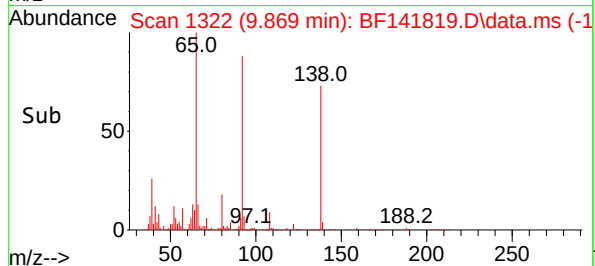
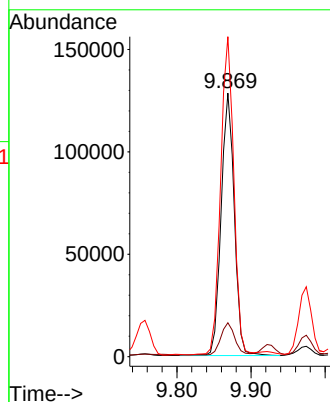
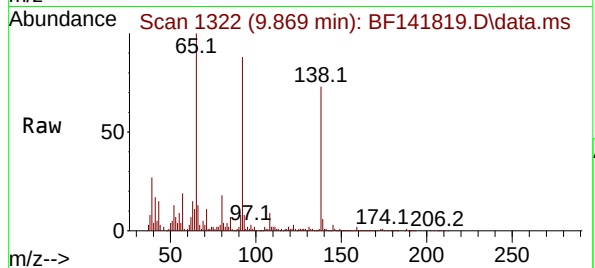
Tgt Ion:138 Resp: 157651

Ion Ratio Lower Upper

138 100

108 12.9 12.7 19.1

92 121.5 97.9 146.9



#54

2,4-Dinitrophenol

Concen: 86.204 ng

RT: 9.975 min Scan# 1340

Delta R.T. -0.000 min

Lab File: BF141819.D

Acq: 03 Mar 2025 18:16

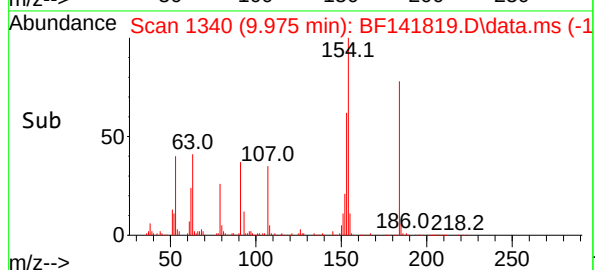
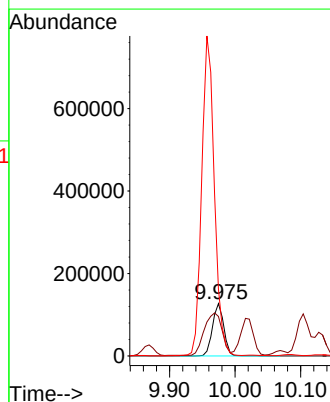
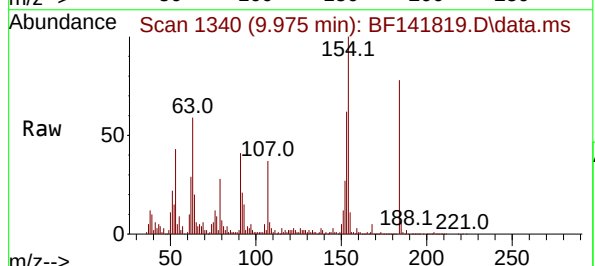
Tgt Ion:184 Resp: 152497

Ion Ratio Lower Upper

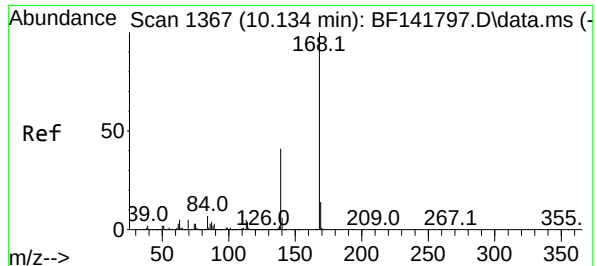
184 100

63 75.6 79.0 118.6#

154 127.9 335.8 503.8#







#55

Dibenzofuran

Concen: 51.160 ng

RT: 10.128 min Scan# 1366

Delta R.T. -0.006 min

Lab File: BF141819.D

Acq: 03 Mar 2025 18:16

Instrument :

BNA\_F

ClientSampleId :

TR-04-02282025MS

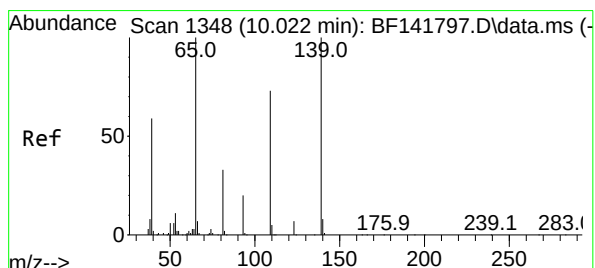
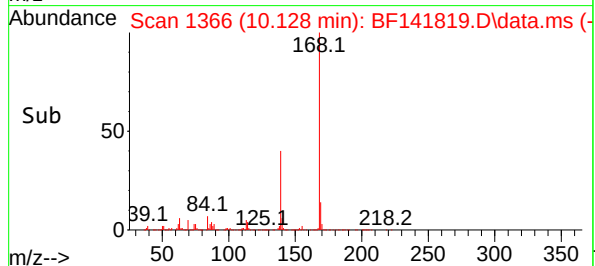
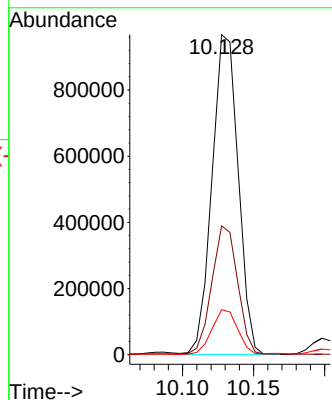
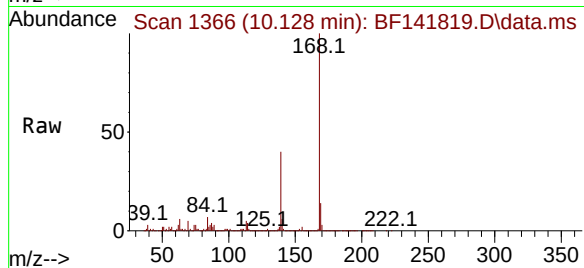
Tgt Ion:168 Resp: 1238567

Ion Ratio Lower Upper

168 100

139 40.3 32.9 49.3

169 14.0 11.1 16.7



#56

4-Nitrophenol

Concen: 138.445 ng

RT: 10.022 min Scan# 1348

Delta R.T. -0.000 min

Lab File: BF141819.D

Acq: 03 Mar 2025 18:16

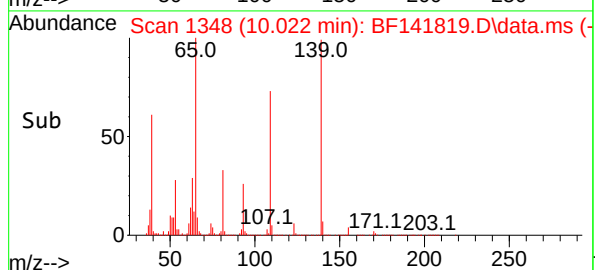
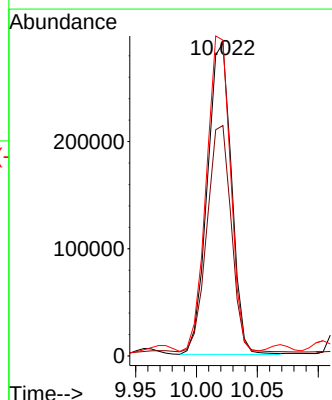
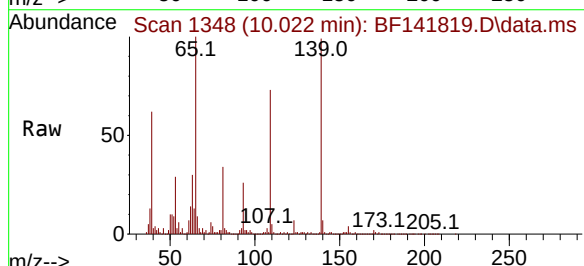
Tgt Ion:139 Resp: 400749

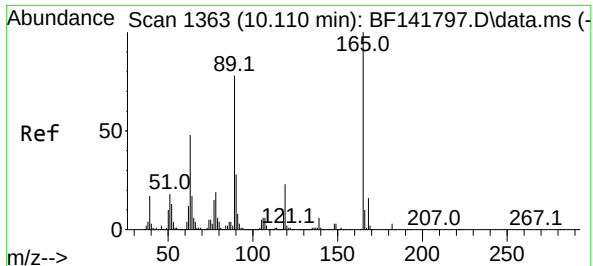
Ion Ratio Lower Upper

139 100

109 73.7 53.4 93.4

65 101.0 82.1 122.1

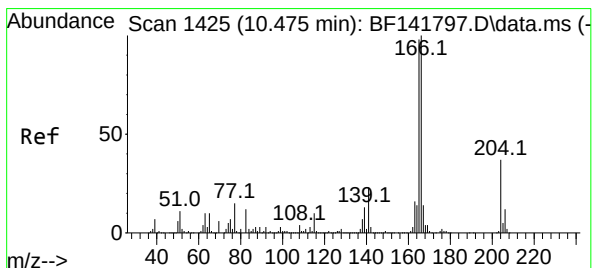
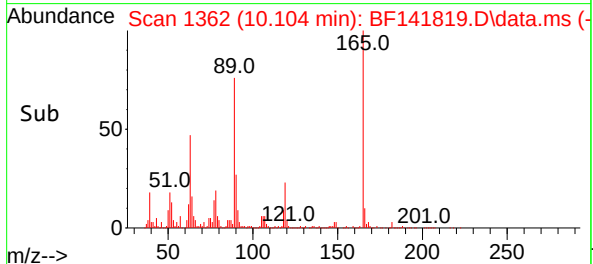
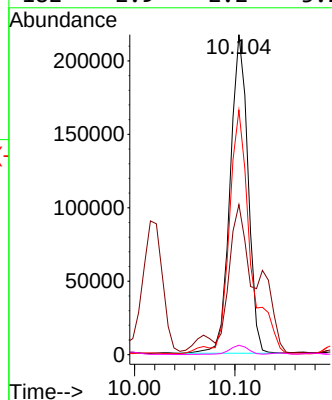
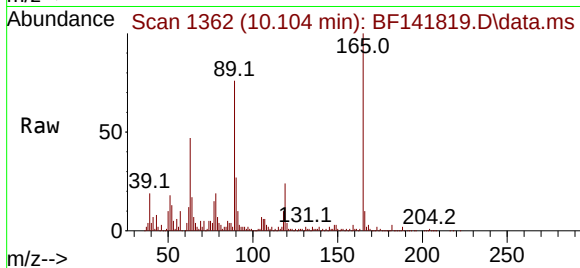




#57  
2,4-Dinitrotoluene  
Concen: 57.713 ng  
RT: 10.104 min Scan# 1362  
Delta R.T. -0.006 min  
Lab File: BF141819.D  
Acq: 03 Mar 2025 18:16

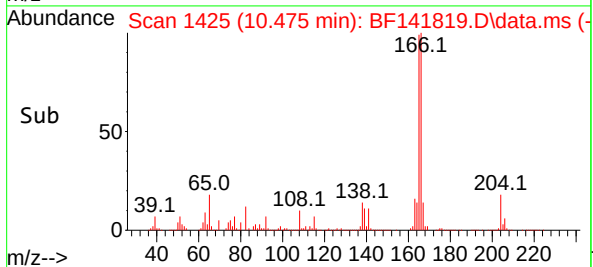
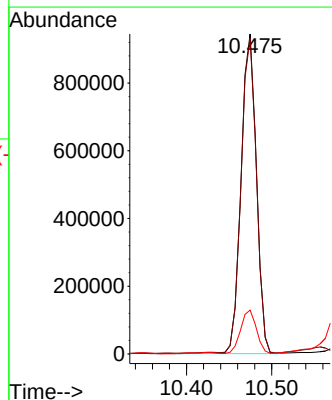
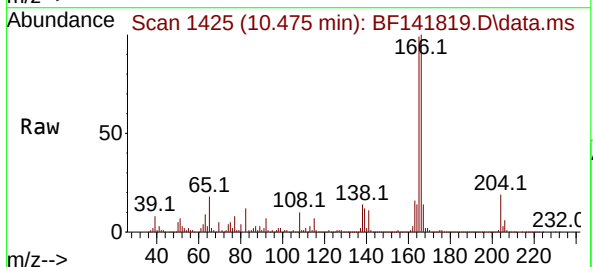
Instrument :  
BNA\_F  
ClientSampleId :  
TR-04-02282025MS

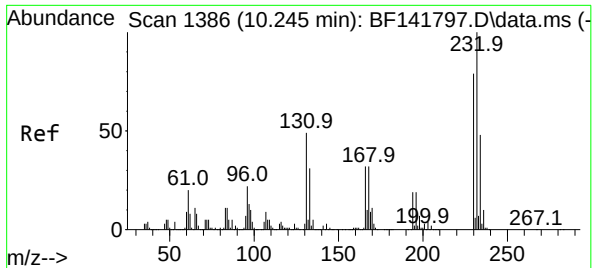
Tgt Ion:165 Resp: 267822  
Ion Ratio Lower Upper  
165 100  
63 46.9 38.8 58.2  
89 76.4 62.6 94.0  
182 2.9 2.2 3.2



#58  
Fluorene  
Concen: 64.976 ng  
RT: 10.475 min Scan# 1425  
Delta R.T. -0.000 min  
Lab File: BF141819.D  
Acq: 03 Mar 2025 18:16

Tgt Ion:166 Resp: 1178302  
Ion Ratio Lower Upper  
166 100  
165 98.7 78.6 117.8  
167 13.7 11.0 16.4

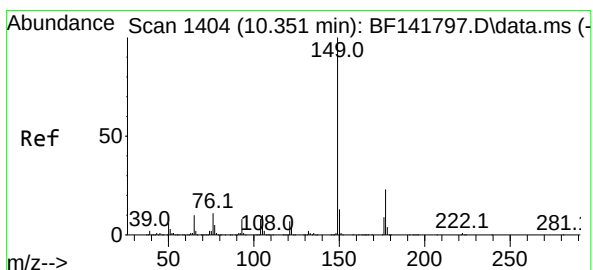
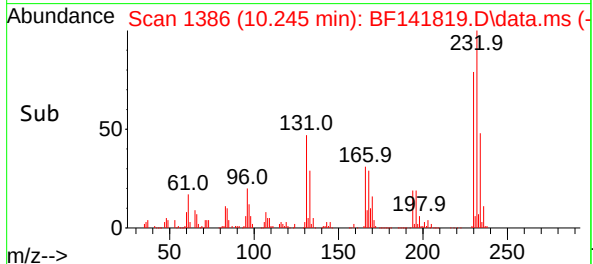
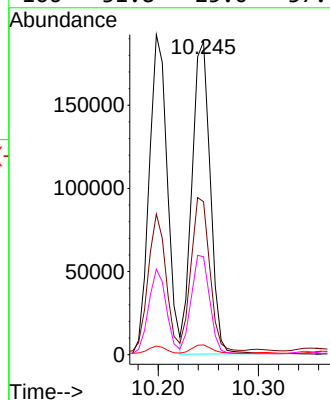
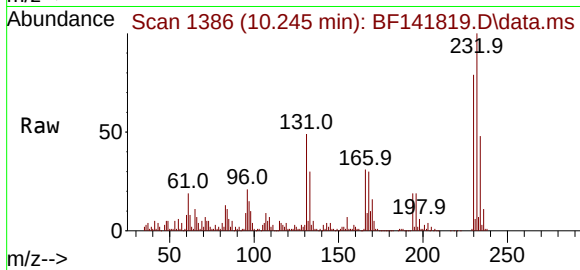




#59  
2,3,4,6-Tetrachlorophenol  
Concen: 50.528 ng  
RT: 10.245 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BF141819.D  
Acq: 03 Mar 2025 18:16

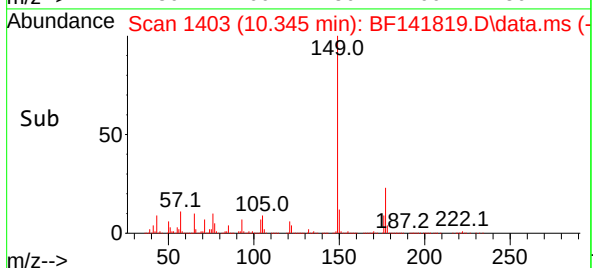
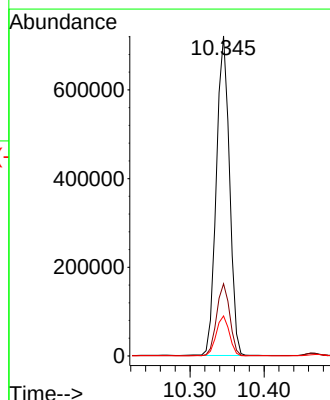
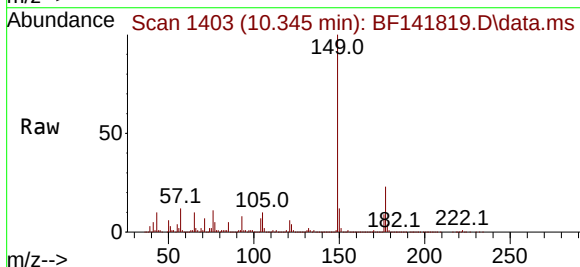
Instrument :  
BNA\_F  
ClientSampleId :  
TR-04-02282025MS

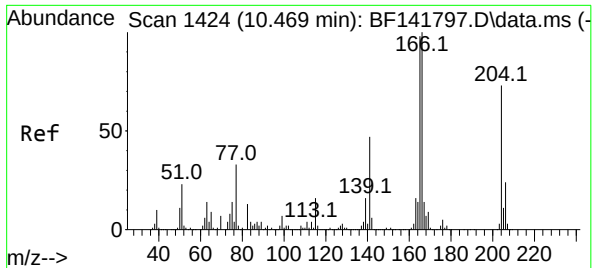
Tgt Ion:232 Resp: 237587  
Ion Ratio Lower Upper  
232 100  
131 49.4 37.8 56.8  
130 2.9 2.0 3.0  
166 31.8 25.0 37.4



#60  
Diethylphthalate  
Concen: 45.104 ng  
RT: 10.345 min Scan# 1403  
Delta R.T. -0.006 min  
Lab File: BF141819.D  
Acq: 03 Mar 2025 18:16

Tgt Ion:149 Resp: 886191  
Ion Ratio Lower Upper  
149 100  
177 22.6 18.3 27.5  
150 12.5 10.3 15.5

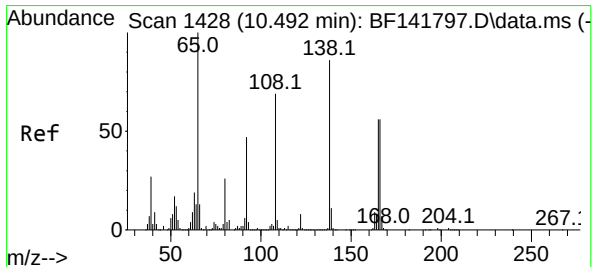
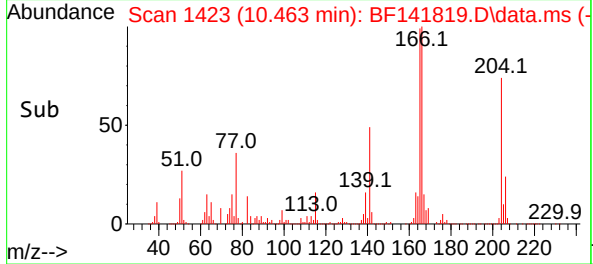
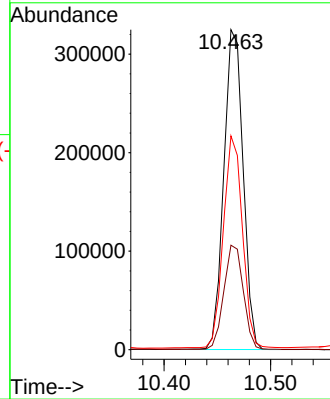
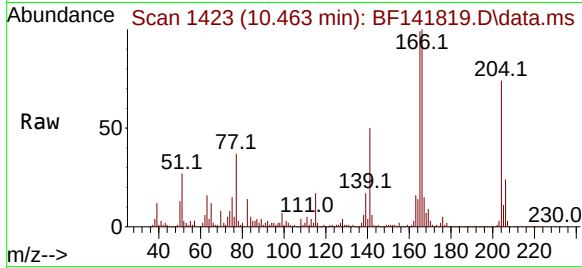




#61  
4-Chlorophenyl-phenylether  
Concen: 44.907 ng  
RT: 10.463 min Scan# 1423  
Delta R.T. -0.006 min  
Lab File: BF141819.D  
Acq: 03 Mar 2025 18:16

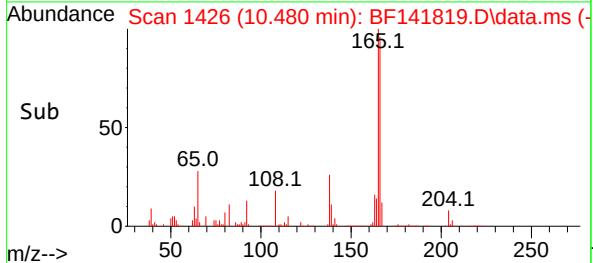
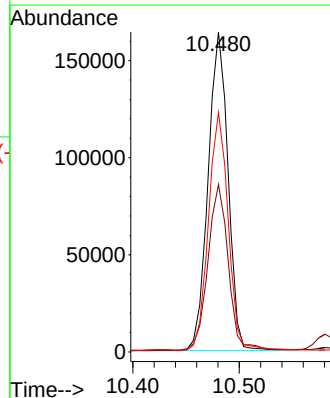
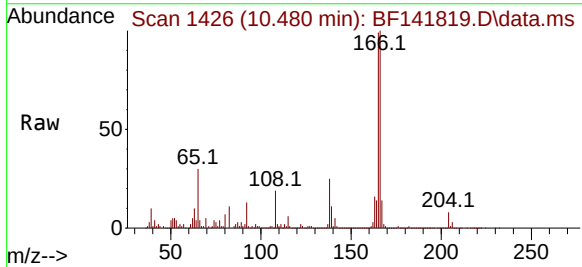
Instrument :  
BNA\_F  
ClientSampleId :  
TR-04-02282025MS

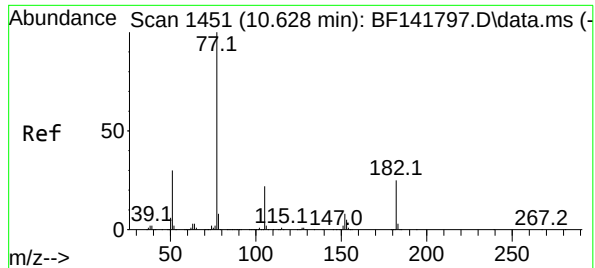
Tgt Ion:204 Resp: 408016  
Ion Ratio Lower Upper  
204 100  
206 32.7 26.2 39.4  
141 66.8 51.7 77.5



#62  
4-Nitroaniline  
Concen: 63.611 ng  
RT: 10.480 min Scan# 1426  
Delta R.T. -0.012 min  
Lab File: BF141819.D  
Acq: 03 Mar 2025 18:16

Tgt Ion:138 Resp: 212905  
Ion Ratio Lower Upper  
138 100  
92 52.3 34.9 74.9  
108 74.8 59.6 99.6

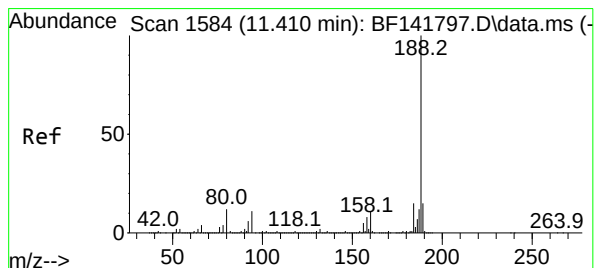
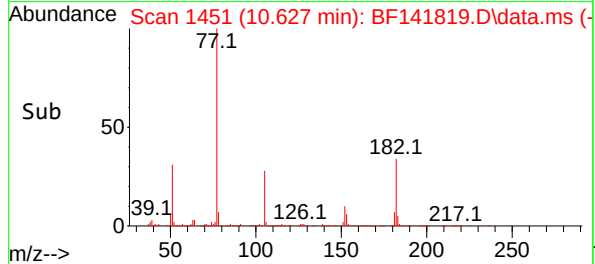
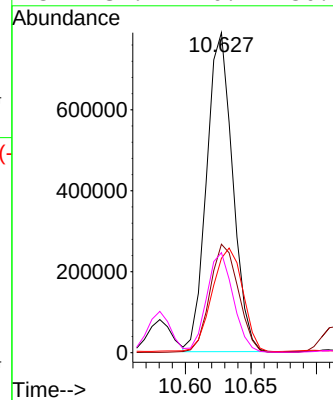
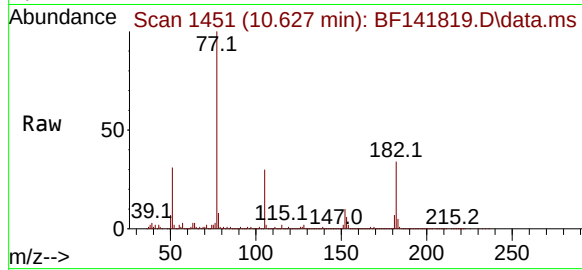




#63  
Azobenzene  
Concen: 52.755 ng  
RT: 10.627 min Scan# 1451  
Delta R.T. -0.000 min  
Lab File: BF141819.D  
Acq: 03 Mar 2025 18:16

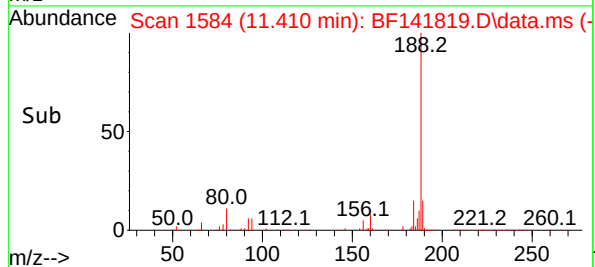
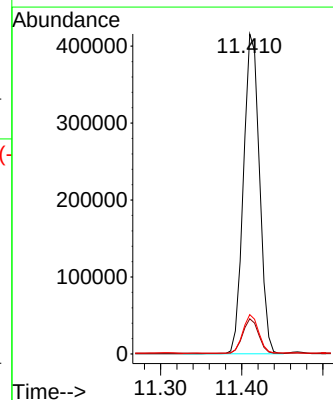
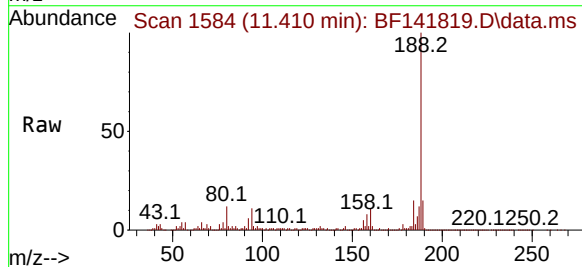
Instrument :  
BNA\_F  
ClientSampleId :  
TR-04-02282025MS

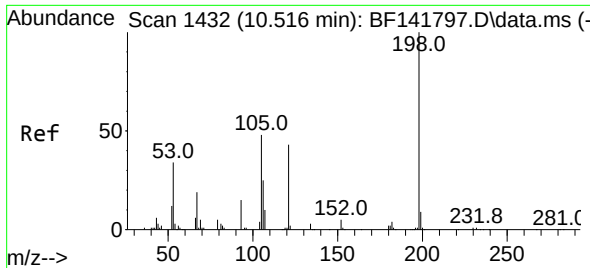
Tgt Ion: 77 Resp: 1091361  
Ion Ratio Lower Upper  
77 100  
182 33.9 4.2 44.2  
105 29.5 1.5 41.5  
51 31.2 10.4 50.4



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.410 min Scan# 1584  
Delta R.T. -0.000 min  
Lab File: BF141819.D  
Acq: 03 Mar 2025 18:16

Tgt Ion: 188 Resp: 567711  
Ion Ratio Lower Upper  
188 100  
94 11.0 8.9 13.3  
80 12.3 9.7 14.5

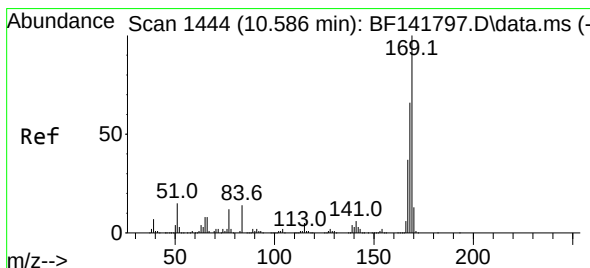
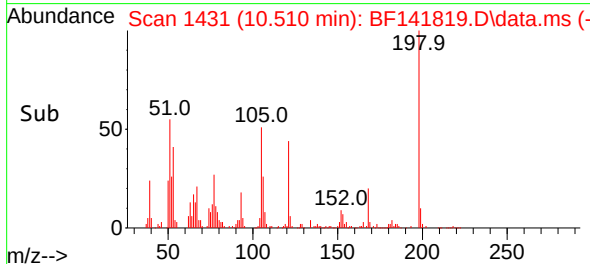
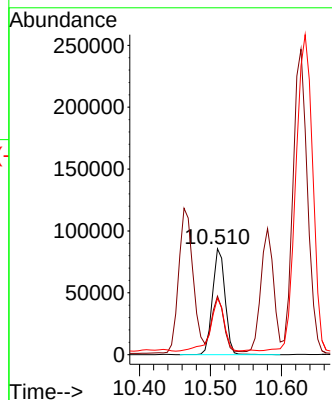
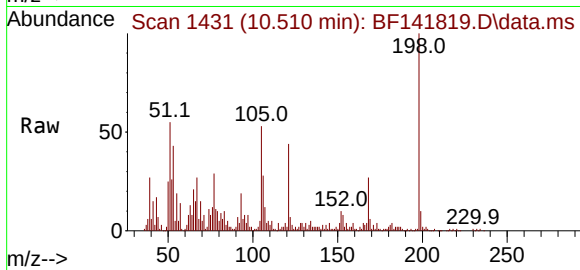




#65  
4,6-Dinitro-2-methylphenol  
Concen: 40.862 ng  
RT: 10.510 min Scan# 1431  
Delta R.T. -0.006 min  
Lab File: BF141819.D  
Acq: 03 Mar 2025 18:16

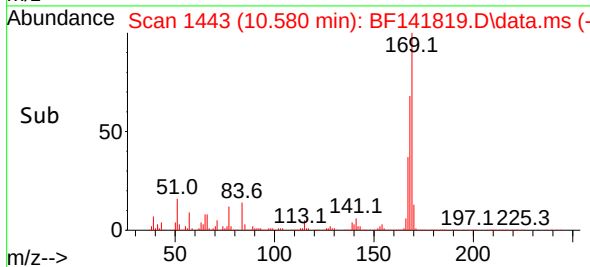
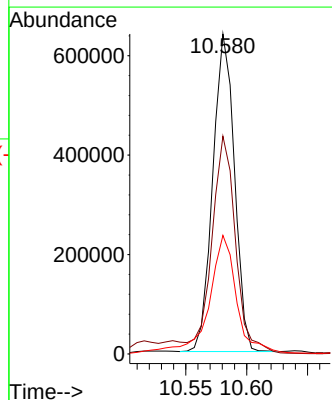
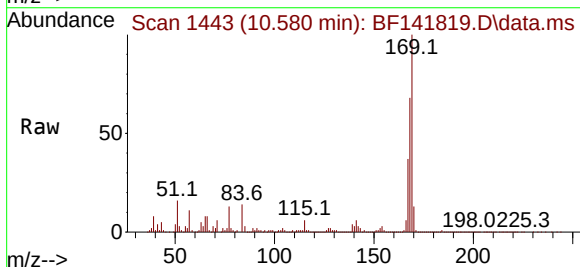
Instrument :  
BNA\_F  
ClientSampleId :  
TR-04-02282025MS

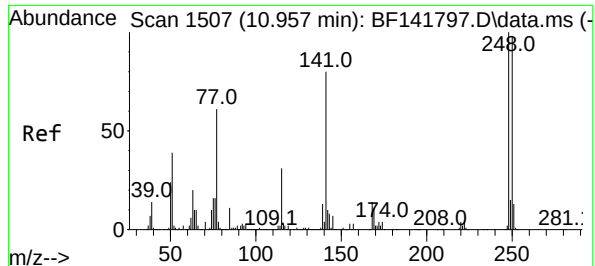
Tgt Ion:198 Resp: 105351  
Ion Ratio Lower Upper  
198 100  
51 55.4 32.1 72.1  
105 53.3 28.5 68.5



#66  
n-Nitrosodiphenylamine  
Concen: 42.359 ng  
RT: 10.580 min Scan# 1443  
Delta R.T. -0.006 min  
Lab File: BF141819.D  
Acq: 03 Mar 2025 18:16

Tgt Ion:169 Resp: 789648  
Ion Ratio Lower Upper  
169 100  
168 68.0 53.0 79.6  
167 37.0 29.3 43.9

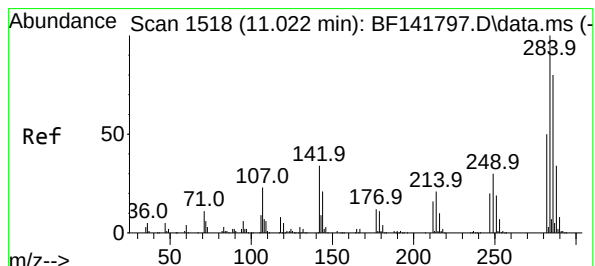
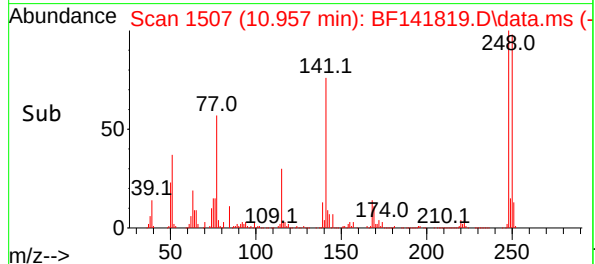
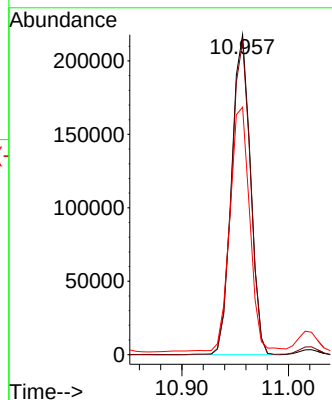
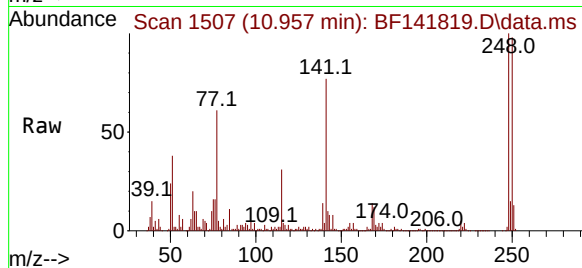




#67  
4-Bromophenyl-phenylether  
Concen: 40.629 ng  
RT: 10.957 min Scan# 1507  
Delta R.T. -0.000 min  
Lab File: BF141819.D  
Acq: 03 Mar 2025 18:16

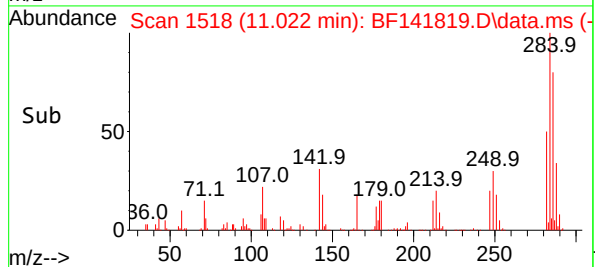
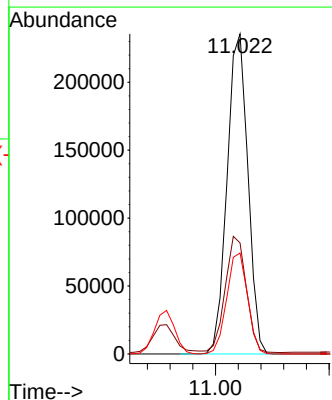
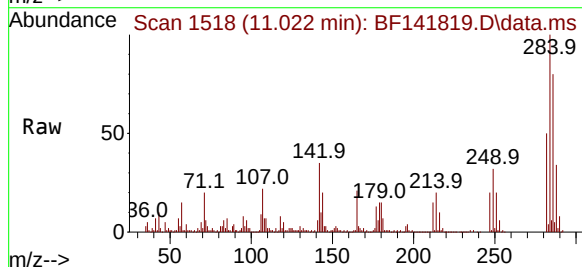
Instrument :  
BNA\_F  
ClientSampleId :  
TR-04-02282025MS

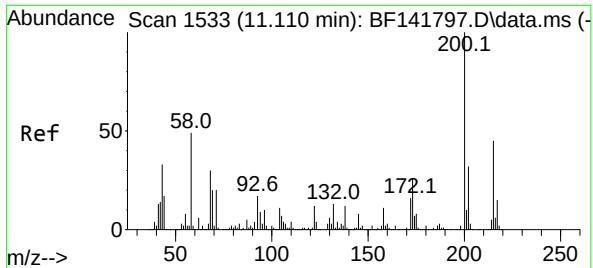
Tgt Ion:248 Resp: 269414  
Ion Ratio Lower Upper  
248 100  
250 97.9 78.1 117.1  
141 77.3 64.3 96.5



#68  
Hexachlorobenzene  
Concen: 42.742 ng  
RT: 11.022 min Scan# 1518  
Delta R.T. -0.000 min  
Lab File: BF141819.D  
Acq: 03 Mar 2025 18:16

Tgt Ion:284 Resp: 299291  
Ion Ratio Lower Upper  
284 100  
142 34.7 28.2 42.2  
249 31.6 25.5 38.3





#69

Atrazine

Concen: 60.911 ng

RT: 11.110 min Scan# 1533

Delta R.T. -0.000 min

Lab File: BF141819.D

Acq: 03 Mar 2025 18:16

Instrument :

BNA\_F

ClientSampleId :

TR-04-02282025MS

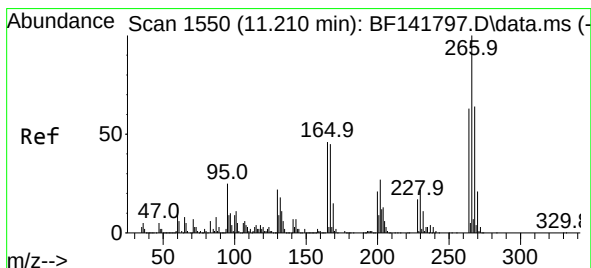
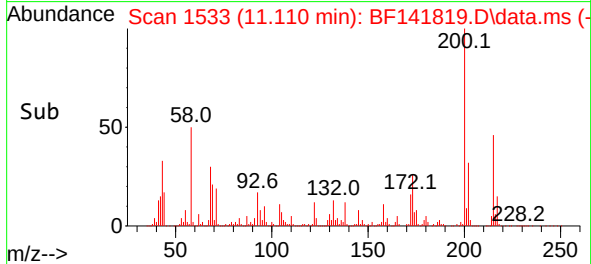
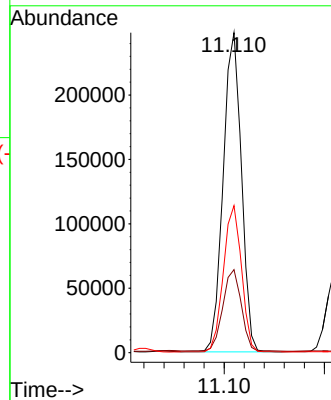
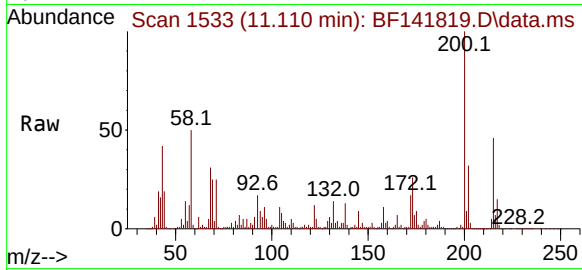
Tgt Ion:200 Resp: 312250

Ion Ratio Lower Upper

200 100

173 26.0 5.6 45.6

215 46.0 25.3 65.3



#70

Pentachlorophenol

Concen: 88.566 ng

RT: 11.210 min Scan# 1550

Delta R.T. -0.000 min

Lab File: BF141819.D

Acq: 03 Mar 2025 18:16

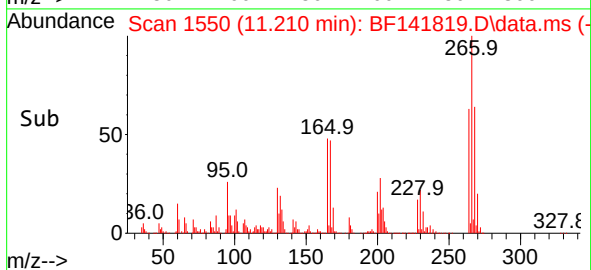
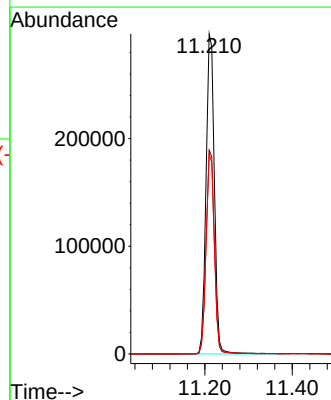
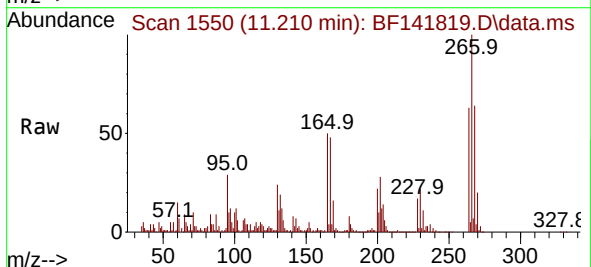
Tgt Ion:266 Resp: 393328

Ion Ratio Lower Upper

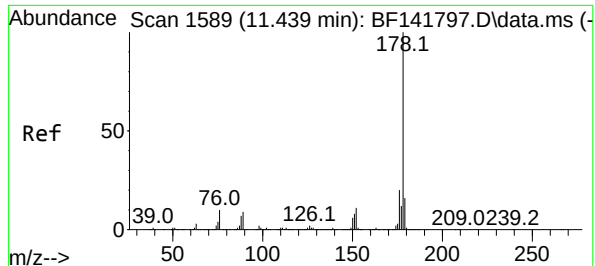
266 100

268 63.7 50.9 76.3

264 62.6 50.2 75.4



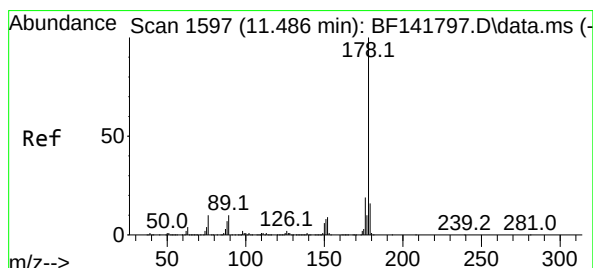
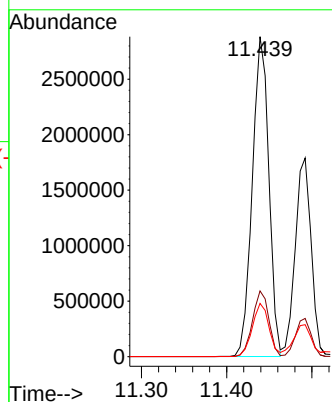
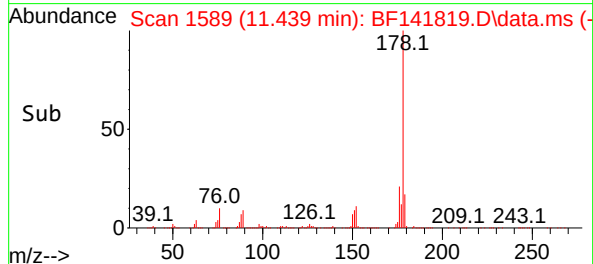
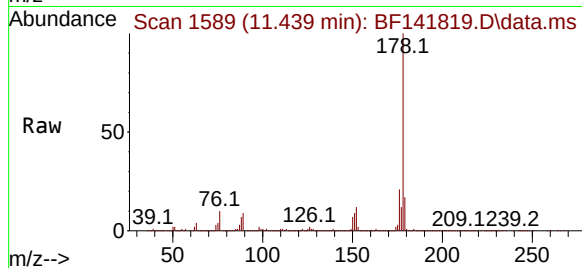




#71  
Phenanthrene  
Concen: 127.775 ng  
RT: 11.439 min Scan# 1589  
Delta R.T. -0.000 min  
Lab File: BF141819.D  
Acq: 03 Mar 2025 18:16

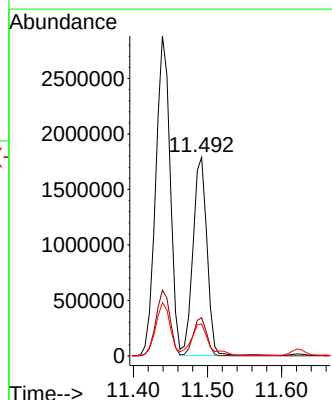
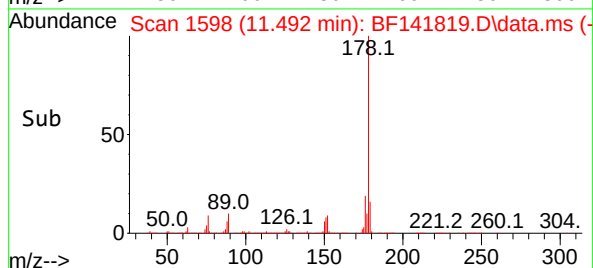
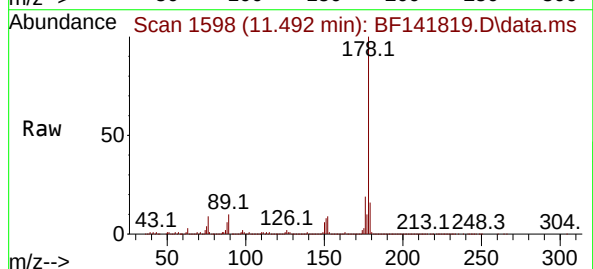
Instrument :  
BNA\_F  
ClientSampleId :  
TR-04-02282025MS

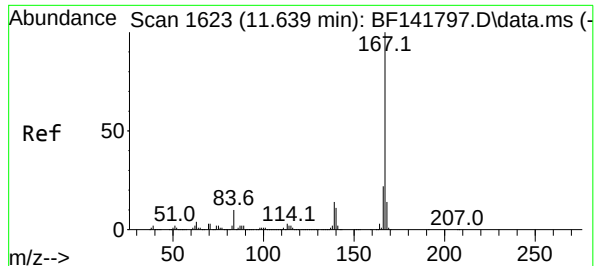
Tgt Ion:178 Resp: 3880123  
Ion Ratio Lower Upper  
178 100  
176 20.6 16.0 24.0  
179 16.6 12.6 19.0



#72  
Anthracene  
Concen: 76.782 ng  
RT: 11.492 min Scan# 1598  
Delta R.T. 0.006 min  
Lab File: BF141819.D  
Acq: 03 Mar 2025 18:16

Tgt Ion:178 Resp: 2336827  
Ion Ratio Lower Upper  
178 100  
176 19.3 15.4 23.0  
179 16.2 12.8 19.2





#73

Carbazole

Concen: 63.323 ng

RT: 11.639 min Scan# 1623

Delta R.T. -0.000 min

Lab File: BF141819.D

Acq: 03 Mar 2025 18:16

Instrument :

BNA\_F

ClientSampleId :

TR-04-02282025MS

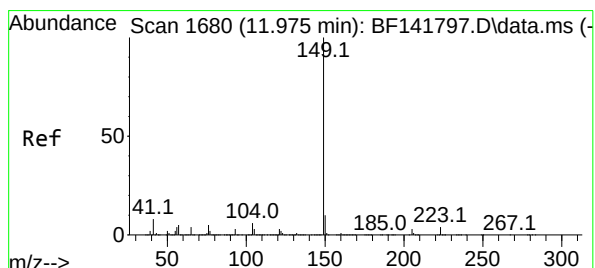
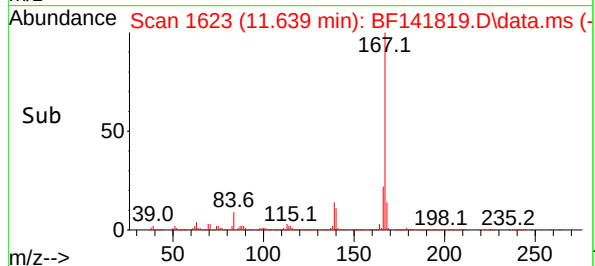
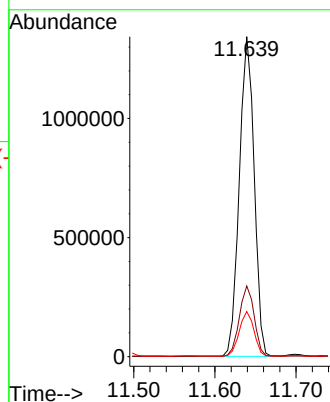
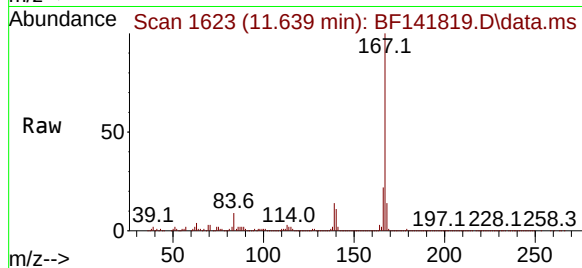
Tgt Ion:167 Resp: 1701875

Ion Ratio Lower Upper

167 100

166 22.1 17.5 26.3

139 14.1 11.3 16.9



#74

Di-n-butylphthalate

Concen: 45.486 ng

RT: 11.974 min Scan# 1680

Delta R.T. -0.000 min

Lab File: BF141819.D

Acq: 03 Mar 2025 18:16

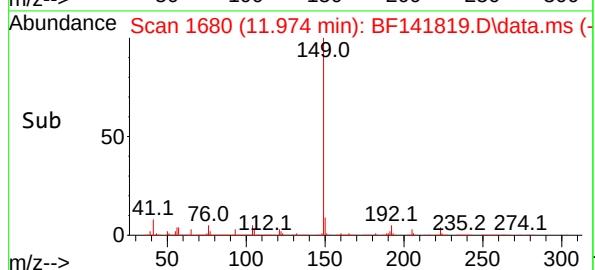
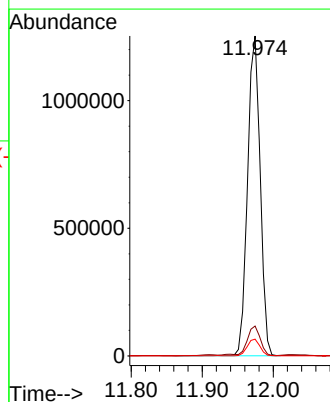
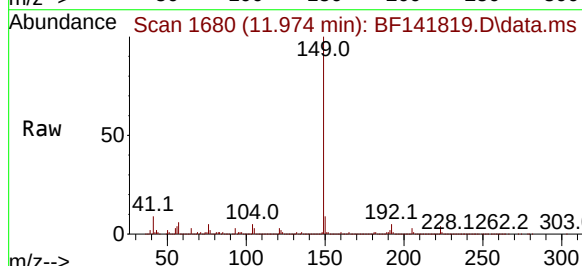
Tgt Ion:149 Resp: 1549577

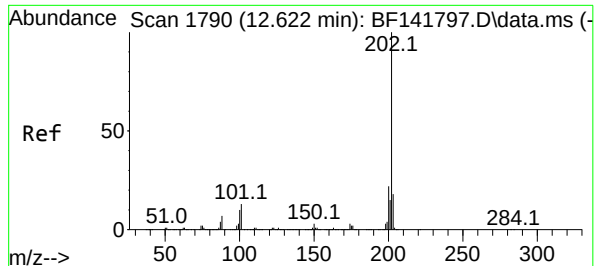
Ion Ratio Lower Upper

149 100

150 9.4 7.7 11.5

104 5.3 4.4 6.6





#75

Fluoranthene

Concen: 146.212 ng

RT: 12.627 min Scan# 1790

Delta R.T. 0.006 min

Lab File: BF141819.D

Acq: 03 Mar 2025 18:16

Instrument :

BNA\_F

ClientSampleId :

TR-04-02282025MS

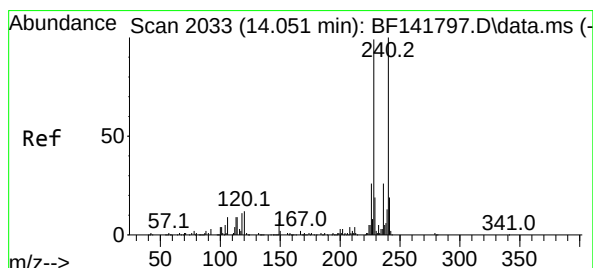
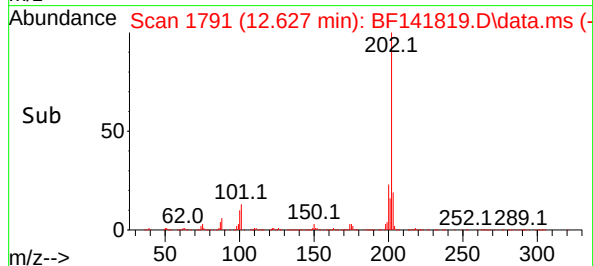
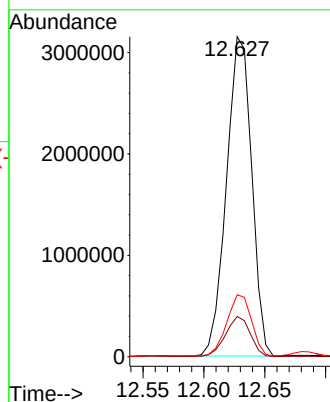
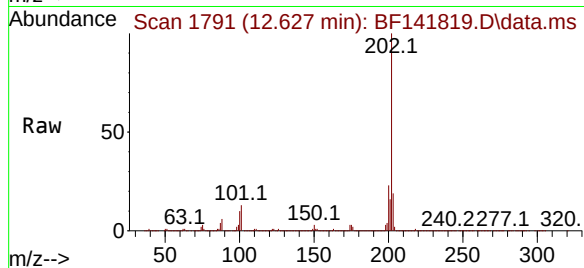
Tgt Ion:202 Resp: 4549513

Ion Ratio Lower Upper

202 100

101 12.6 0.0 32.8

203 19.3 0.0 38.0



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.051 min Scan# 2033

Delta R.T. -0.000 min

Lab File: BF141819.D

Acq: 03 Mar 2025 18:16

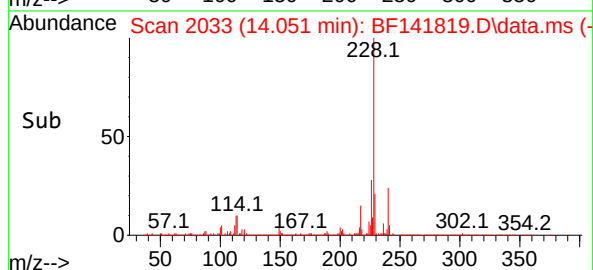
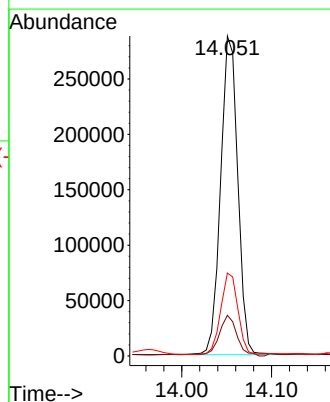
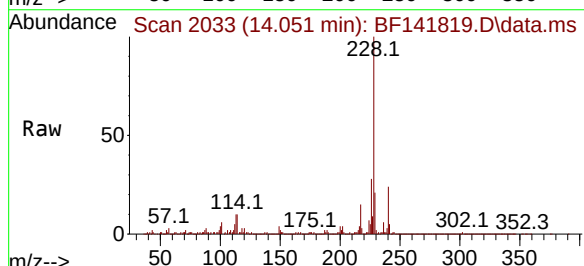
Tgt Ion:240 Resp: 381619

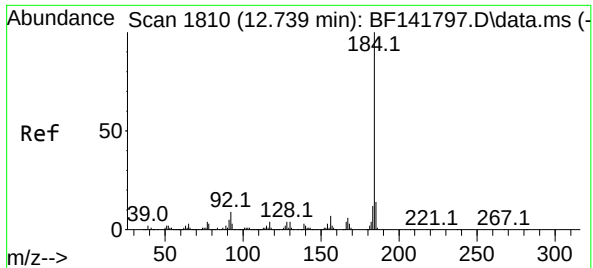
Ion Ratio Lower Upper

240 100

120 12.7 9.7 14.5

236 25.9 21.0 31.4

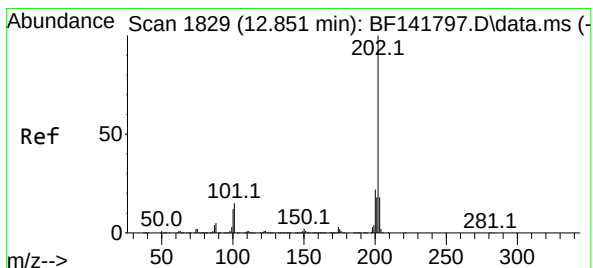
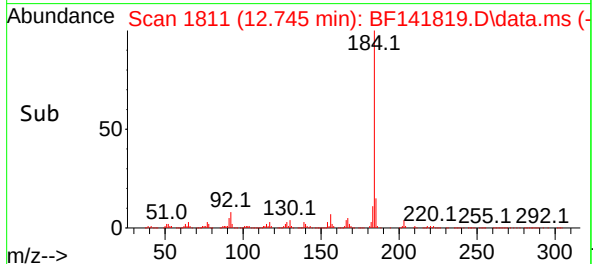
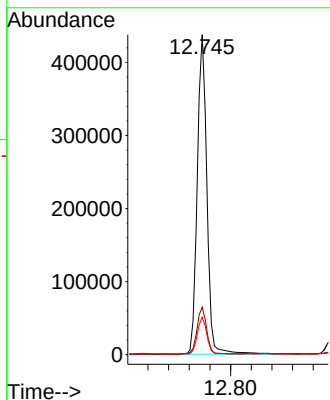
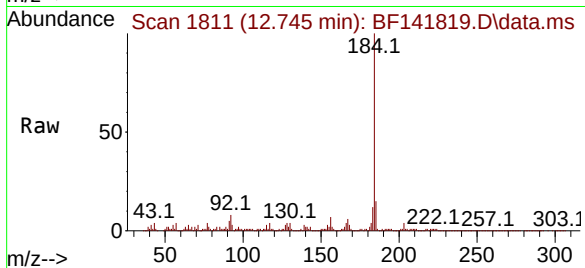




#77  
Benzidine  
Concen: 117.747 ng  
RT: 12.745 min Scan# 1811  
Delta R.T. 0.006 min  
Lab File: BF141819.D  
Acq: 03 Mar 2025 18:16

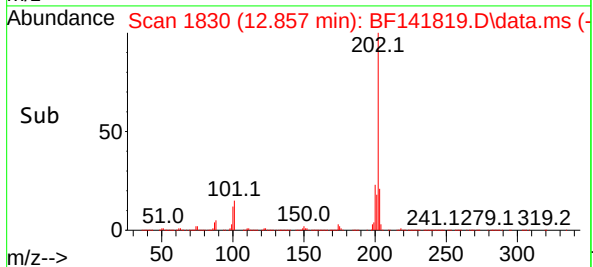
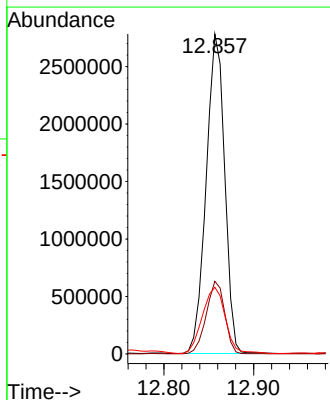
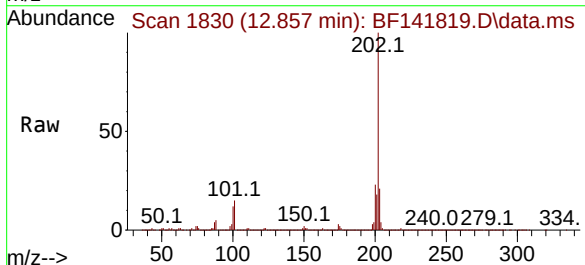
Instrument :  
BNA\_F  
ClientSampleId :  
TR-04-02282025MS

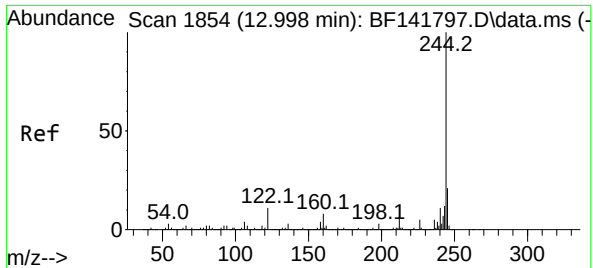
Tgt Ion:184 Resp: 565563  
Ion Ratio Lower Upper  
184 100  
185 14.9 11.6 17.4  
183 11.6 9.4 14.0



#78  
Pyrene  
Concen: 120.642 ng  
RT: 12.857 min Scan# 1830  
Delta R.T. 0.006 min  
Lab File: BF141819.D  
Acq: 03 Mar 2025 18:16

Tgt Ion:202 Resp: 3986724  
Ion Ratio Lower Upper  
202 100  
200 22.7 17.4 26.0  
203 20.9 14.6 22.0





#79

Terphenyl-d14

Concen: 77.609 ng

RT: 12.998 min Scan# 1854

Delta R.T. -0.000 min

Lab File: BF141819.D

Acq: 03 Mar 2025 18:16

Instrument :

BNA\_F

ClientSampleId :

TR-04-02282025MS

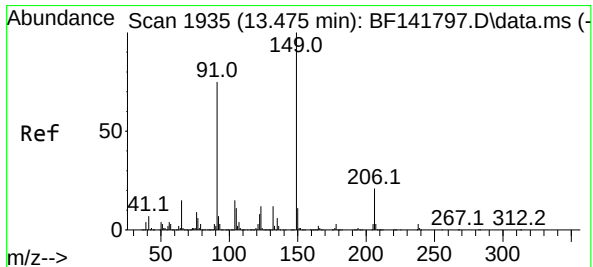
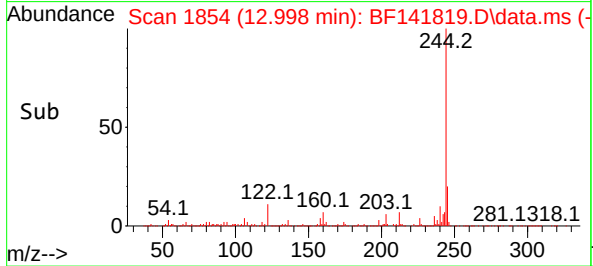
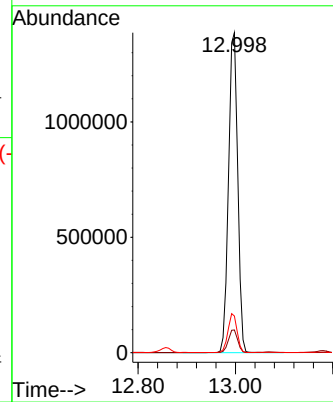
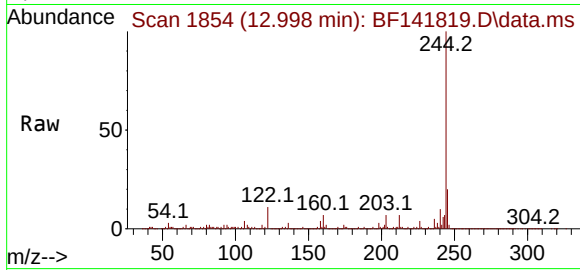
Tgt Ion:244 Resp: 1830573

Ion Ratio Lower Upper

244 100

212 7.1 6.0 9.0

122 11.4 9.0 13.6



#80

Butylbenzylphthalate

Concen: 49.398 ng

RT: 13.474 min Scan# 1935

Delta R.T. -0.000 min

Lab File: BF141819.D

Acq: 03 Mar 2025 18:16

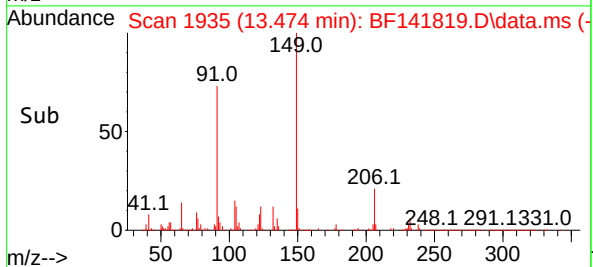
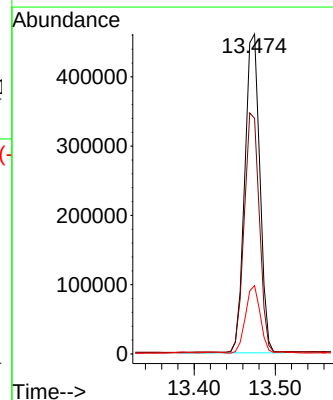
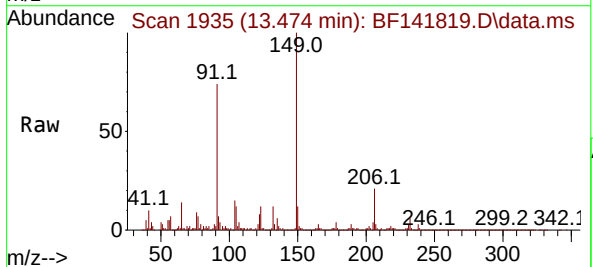
Tgt Ion:149 Resp: 593087

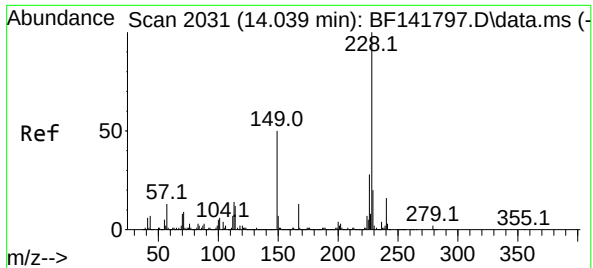
Ion Ratio Lower Upper

149 100

91 73.6 60.1 90.1

206 21.4 16.8 25.2

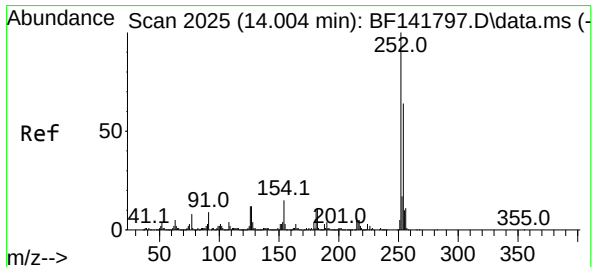
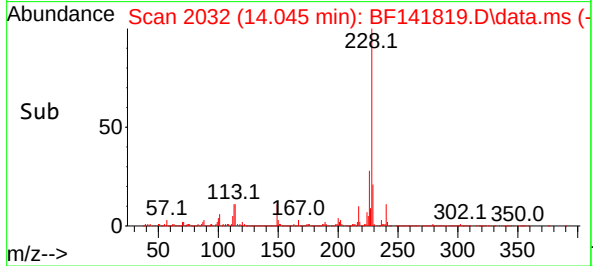
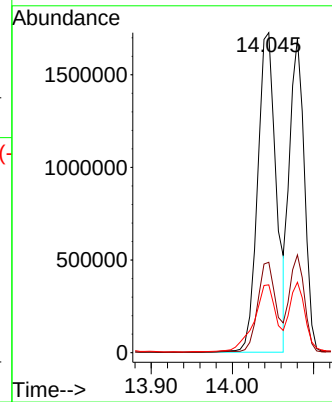
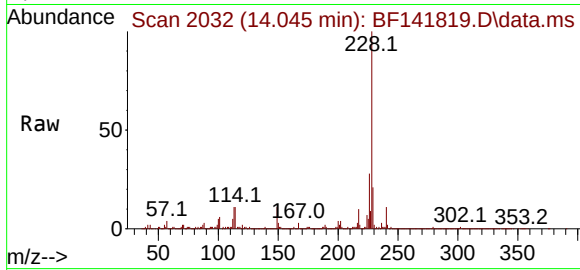




#81  
Benzo(a)anthracene  
Concen: 109.202 ng  
RT: 14.045 min Scan# 2031  
Delta R.T. 0.006 min  
Lab File: BF141819.D  
Acq: 03 Mar 2025 18:16

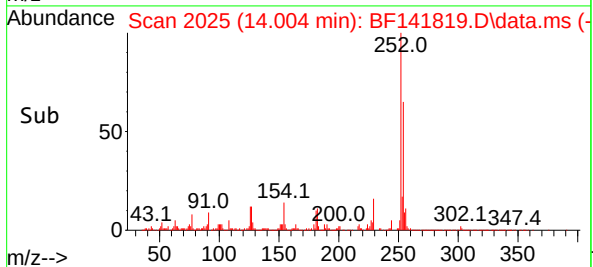
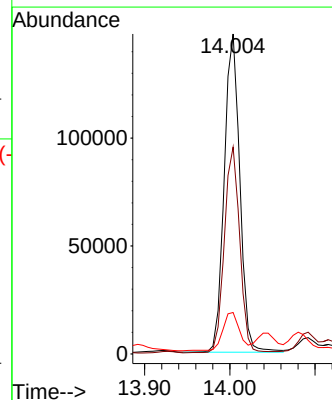
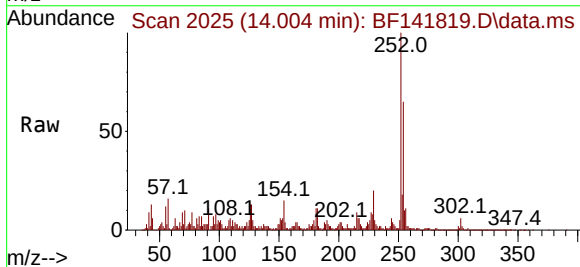
Instrument :  
BNA\_F  
ClientSampleId :  
TR-04-02282025MS

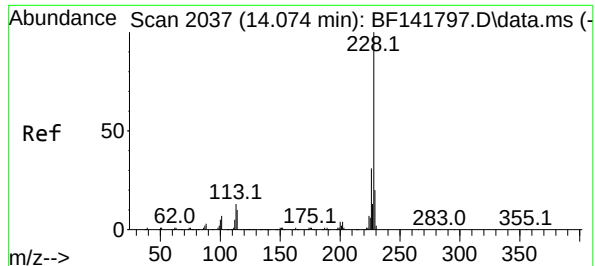
Tgt Ion:228 Resp: 2752621  
Ion Ratio Lower Upper  
228 100  
226 28.3 22.1 33.1  
229 21.2 16.1 24.1



#82  
3,3'-Dichlorobenzidine  
Concen: 25.971 ng  
RT: 14.004 min Scan# 2025  
Delta R.T. -0.000 min  
Lab File: BF141819.D  
Acq: 03 Mar 2025 18:16

Tgt Ion:252 Resp: 187817  
Ion Ratio Lower Upper  
252 100  
254 64.7 51.4 77.0  
126 13.0 9.8 14.6





#83

Chrysene

Concen: 92.267 ng

RT: 14.080 min Scan# 2038

Delta R.T. 0.006 min

Lab File: BF141819.D

Acq: 03 Mar 2025 18:16

Instrument :

BNA\_F

ClientSampleId :

TR-04-02282025MS

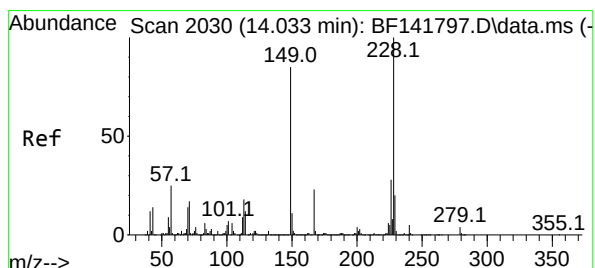
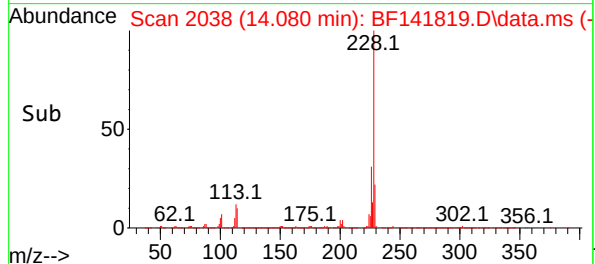
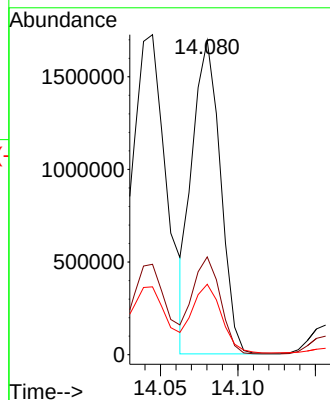
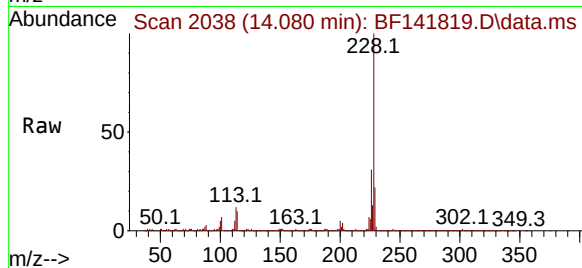
Tgt Ion:228 Resp: 2143918

Ion Ratio Lower Upper

228 100

226 31.1 24.6 37.0

229 22.4 16.1 24.1



#84

Bis(2-ethylhexyl)phthalate

Concen: 53.218 ng

RT: 14.033 min Scan# 2030

Delta R.T. -0.000 min

Lab File: BF141819.D

Acq: 03 Mar 2025 18:16

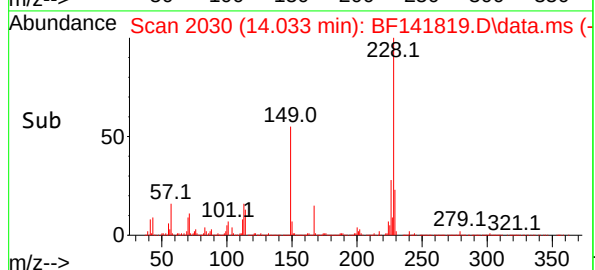
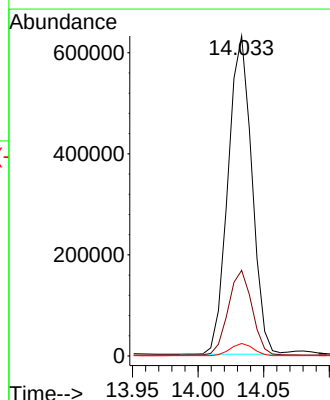
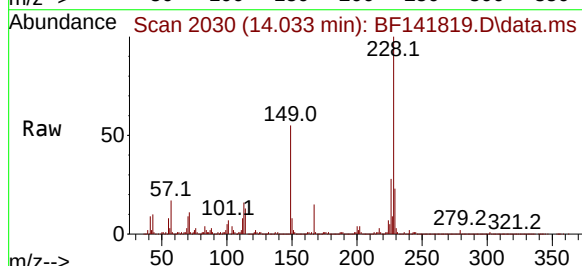
Tgt Ion:149 Resp: 795583

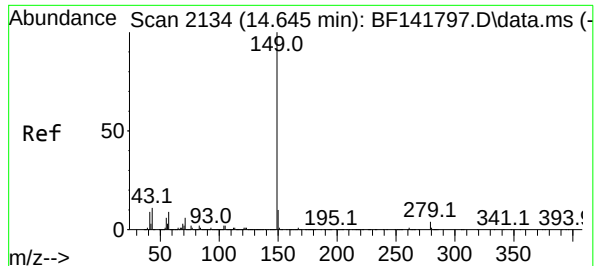
Ion Ratio Lower Upper

149 100

167 26.7 21.2 31.8

279 3.9 3.3 4.9





#85

Di-n-octyl phthalate

Concen: 56.889 ng

RT: 14.645 min Scan# 2134

Delta R.T. -0.000 min

Lab File: BF141819.D

Acq: 03 Mar 2025 18:16

Instrument :

BNA\_F

ClientSampleId :

TR-04-02282025MS

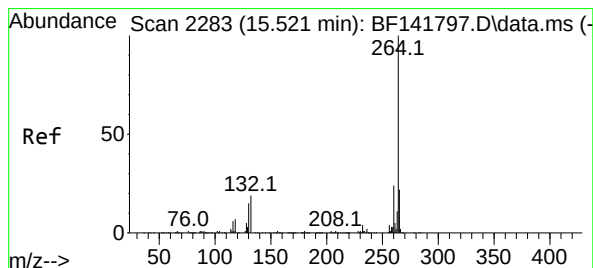
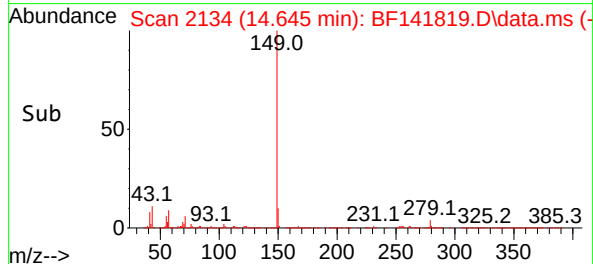
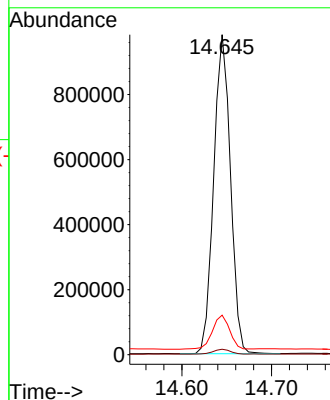
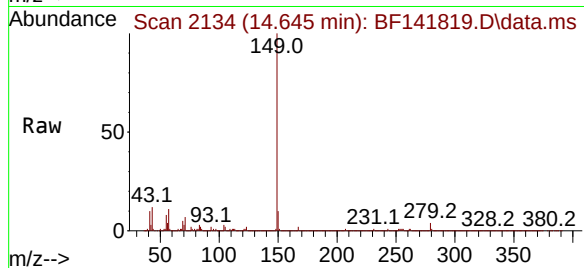
Tgt Ion:149 Resp: 1273243

Ion Ratio Lower Upper

149 100

167 1.5 1.2 1.8

43 11.0 8.6 12.8



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.527 min Scan# 2284

Delta R.T. 0.006 min

Lab File: BF141819.D

Acq: 03 Mar 2025 18:16

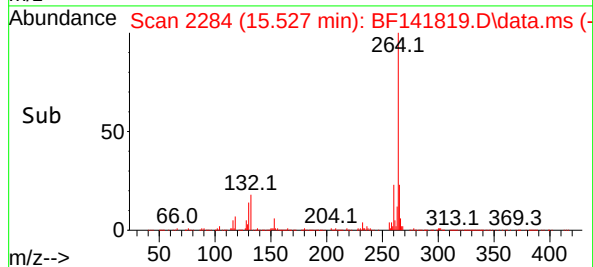
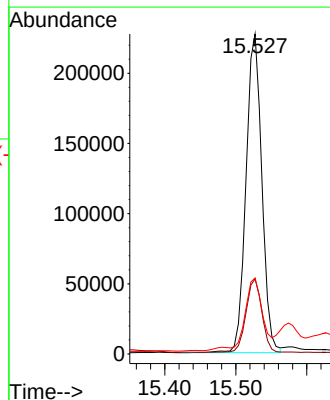
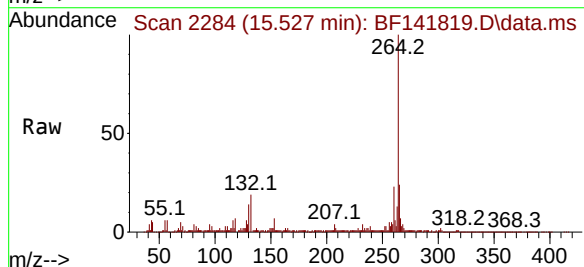
Tgt Ion:264 Resp: 352598

Ion Ratio Lower Upper

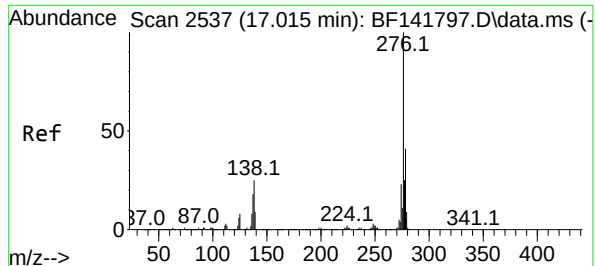
264 100

260 23.4 18.9 28.3

265 23.7 17.4 26.0







#87

Indeno(1,2,3-cd)pyrene

Concen: 59.400 ng

RT: 17.021 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF141819.D

Acq: 03 Mar 2025 18:16

Instrument :

BNA\_F

ClientSampleId :

TR-04-02282025MS

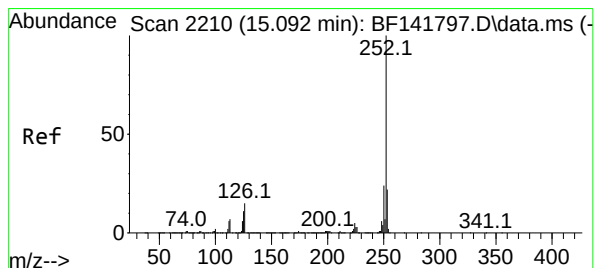
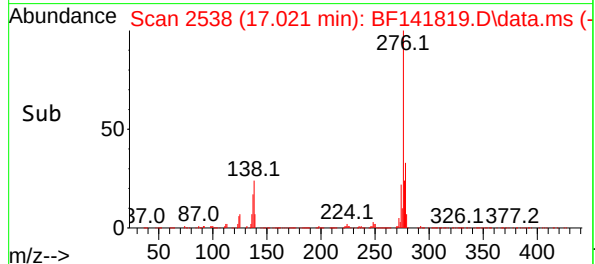
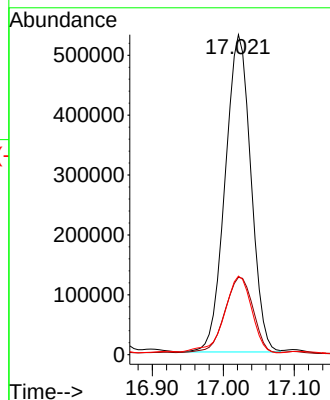
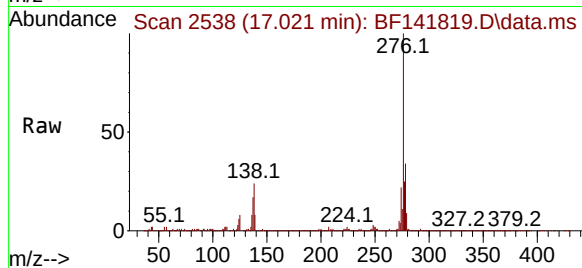
Tgt Ion:276 Resp: 1333661

Ion Ratio Lower Upper

276 100

138 25.9 22.5 33.7

277 25.8 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 104.584 ng

RT: 15.098 min Scan# 2211

Delta R.T. 0.006 min

Lab File: BF141819.D

Acq: 03 Mar 2025 18:16

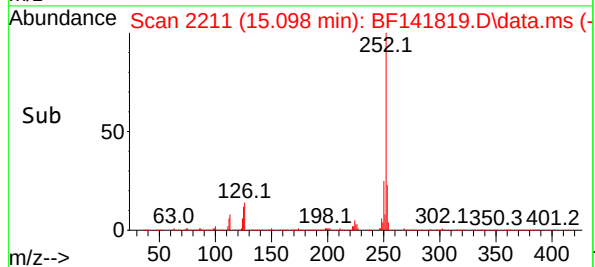
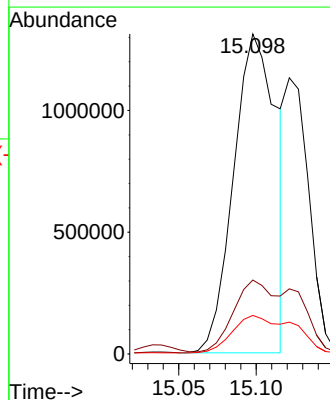
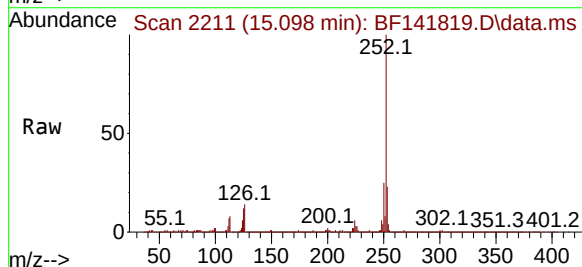
Tgt Ion:252 Resp: 2511913

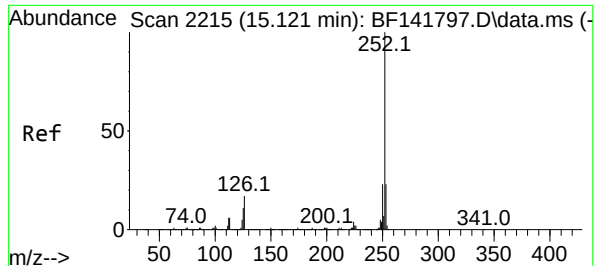
Ion Ratio Lower Upper

252 100

253 23.1 17.7 26.5

125 12.1 8.6 13.0





#89

Benzo(k)fluoranthene

Concen: 58.476 ng m

RT: 15.121 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF141819.D

Acq: 03 Mar 2025 18:16

Instrument :

BNA\_F

ClientSampleId :

TR-04-02282025MS

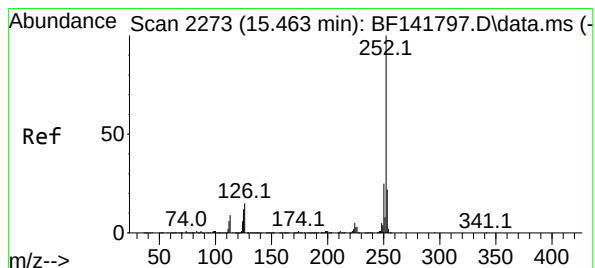
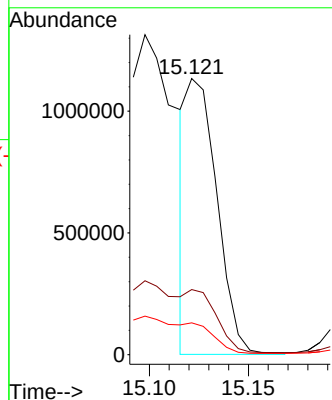
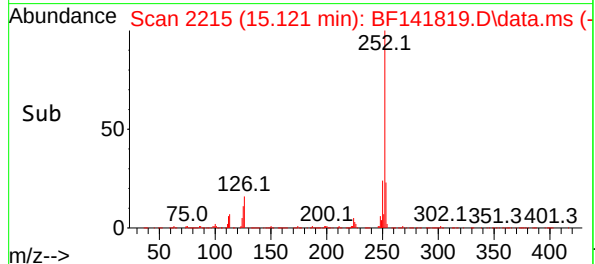
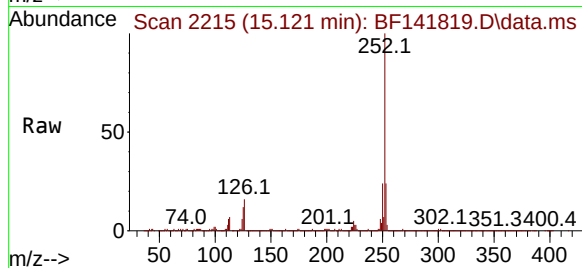
Tgt Ion:252 Resp: 1193741

Ion Ratio Lower Upper

252 100

253 23.6 17.8 26.8

125 11.5 8.8 13.2



#90

Benzo(a)pyrene

Concen: 93.976 ng

RT: 15.468 min Scan# 2274

Delta R.T. 0.006 min

Lab File: BF141819.D

Acq: 03 Mar 2025 18:16

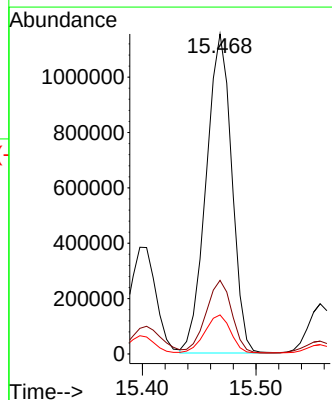
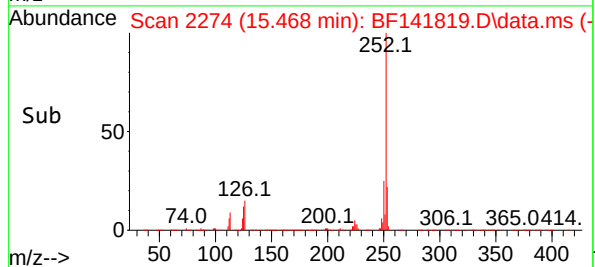
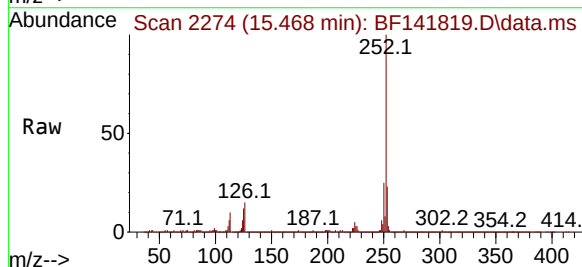
Tgt Ion:252 Resp: 1810170

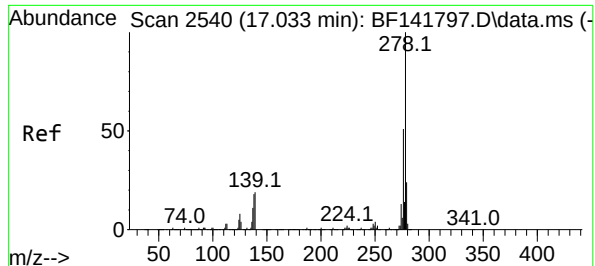
Ion Ratio Lower Upper

252 100

253 23.0 17.5 26.3

125 12.2 9.4 14.2

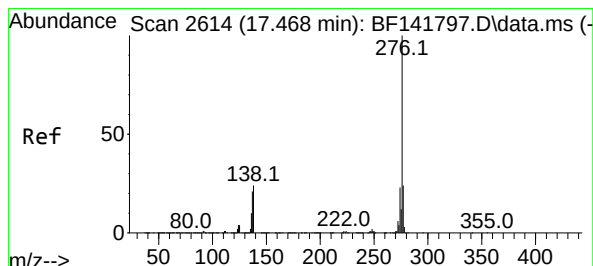
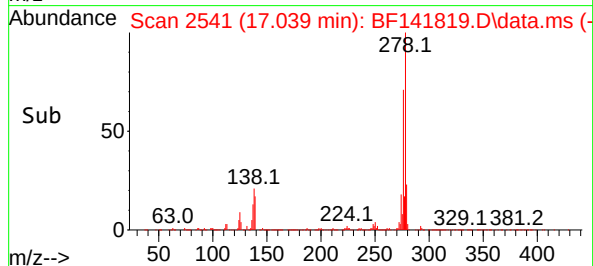
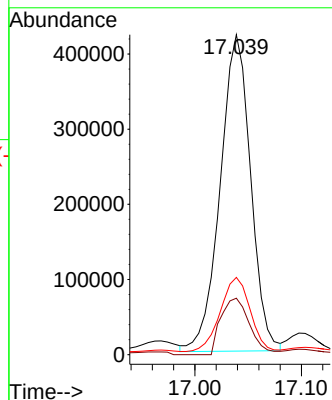
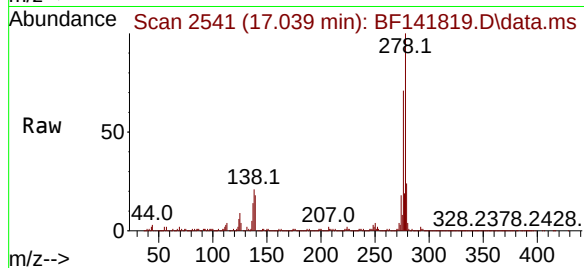




#91  
Dibenzo(a,h)anthracene  
Concen: 45.642 ng  
RT: 17.039 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: BF141819.D  
Acq: 03 Mar 2025 18:16

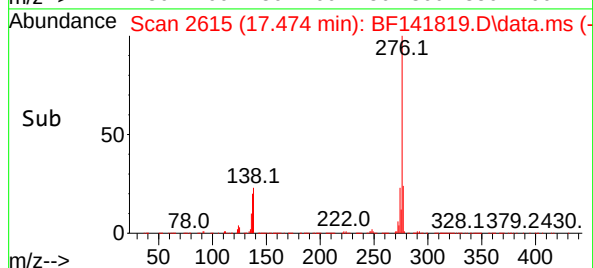
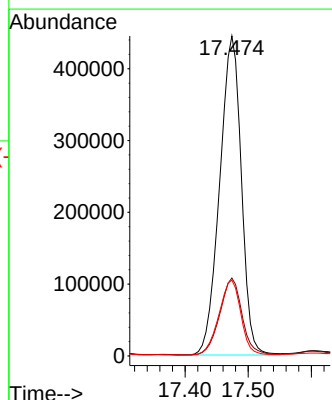
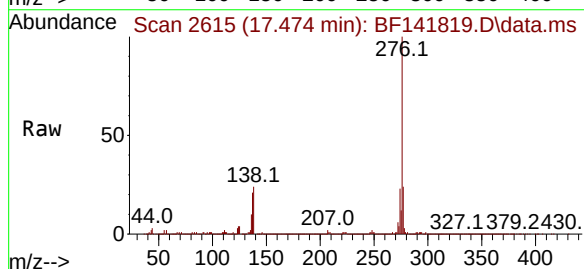
Instrument :  
BNA\_F  
ClientSampleId :  
TR-04-02282025MS

Tgt Ion:278 Resp: 836480  
Ion Ratio Lower Upper  
278 100  
139 17.6 14.9 22.3  
279 24.1 19.3 28.9



#92  
Benzo(g,h,i)perylene  
Concen: 56.349 ng  
RT: 17.474 min Scan# 2615  
Delta R.T. 0.006 min  
Lab File: BF141819.D  
Acq: 03 Mar 2025 18:16

Tgt Ion:276 Resp: 1057963  
Ion Ratio Lower Upper  
276 100  
277 24.3 19.4 29.0  
138 23.7 19.3 28.9



## Report of Analysis

|                    |                   |                 |                  |
|--------------------|-------------------|-----------------|------------------|
| Client:            | G Environmental   | Date Collected: | 02/28/25         |
| Project:           | Nelson            | Date Received:  | 02/28/25         |
| Client Sample ID:  | TR-04-02282025MSD | SDG No.:        | Q1447            |
| Lab Sample ID:     | Q1475-01MSD       | Matrix:         | SOIL             |
| Analytical Method: | SW8270            | % Solid:        | 91.6             |
| Sample Wt/Vol:     | 50.07 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 |
| BF141820.D        | 1         | 03/03/25 13:15 | 03/03/25 18:45 | PB166957      |

| CAS Number     | Parameter                   | Conc. | Qualifier | MDL  | LOQ / CRQL | Units(Dry Weight) |
|----------------|-----------------------------|-------|-----------|------|------------|-------------------|
| <b>TARGETS</b> |                             |       |           |      |            |                   |
| 100-52-7       | Benzaldehyde                | 530   |           | 120  | 220        | ug/Kg             |
| 108-95-2       | Phenol                      | 1000  |           | 54.2 | 110        | ug/Kg             |
| 111-44-4       | bis(2-Chloroethyl)ether     | 960   |           | 54.7 | 110        | ug/Kg             |
| 95-57-8        | 2-Chlorophenol              | 1000  |           | 54.6 | 110        | ug/Kg             |
| 95-48-7        | 2-Methylphenol              | 1000  |           | 52.7 | 110        | ug/Kg             |
| 108-60-1       | 2,2-oxybis(1-Chloropropane) | 980   |           | 59.5 | 110        | ug/Kg             |
| 98-86-2        | Acetophenone                | 1000  |           | 56.8 | 110        | ug/Kg             |
| 65794-96-9     | 3+4-Methylphenols           | 1100  |           | 52.2 | 220        | ug/Kg             |
| 621-64-7       | n-Nitroso-di-n-propylamine  | 940   |           | 26.4 | 52.3       | ug/Kg             |
| 67-72-1        | Hexachloroethane            | 960   |           | 54.3 | 110        | ug/Kg             |
| 98-95-3        | Nitrobenzene                | 1000  |           | 59.4 | 110        | ug/Kg             |
| 78-59-1        | Isophorone                  | 970   |           | 55.3 | 110        | ug/Kg             |
| 88-75-5        | 2-Nitrophenol               | 940   |           | 61.8 | 110        | ug/Kg             |
| 105-67-9       | 2,4-Dimethylphenol          | 1200  |           | 61.0 | 110        | ug/Kg             |
| 111-91-1       | bis(2-Chloroethoxy)methane  | 900   |           | 56.1 | 110        | ug/Kg             |
| 120-83-2       | 2,4-Dichlorophenol          | 1000  |           | 49.4 | 110        | ug/Kg             |
| 91-20-3        | Naphthalene                 | 1000  |           | 54.0 | 110        | ug/Kg             |
| 106-47-8       | 4-Chloroaniline             | 380   |           | 54.0 | 110        | ug/Kg             |
| 87-68-3        | Hexachlorobutadiene         | 910   |           | 54.5 | 110        | ug/Kg             |
| 105-60-2       | Caprolactam                 | 1400  |           | 56.8 | 220        | ug/Kg             |
| 59-50-7        | 4-Chloro-3-methylphenol     | 1100  |           | 50.7 | 110        | ug/Kg             |
| 91-57-6        | 2-Methylnaphthalene         | 1000  |           | 54.0 | 110        | ug/Kg             |
| 77-47-4        | Hexachlorocyclopentadiene   | 1600  |           | 100  | 220        | ug/Kg             |
| 88-06-2        | 2,4,6-Trichlorophenol       | 1000  |           | 46.7 | 110        | ug/Kg             |
| 95-95-4        | 2,4,5-Trichlorophenol       | 1000  |           | 48.4 | 110        | ug/Kg             |
| 92-52-4        | 1,1-Biphenyl                | 1000  |           | 57.2 | 110        | ug/Kg             |
| 91-58-7        | 2-Chloronaphthalene         | 970   |           | 54.5 | 110        | ug/Kg             |
| 88-74-4        | 2-Nitroaniline              | 1100  |           | 62.1 | 110        | ug/Kg             |
| 131-11-3       | Dimethylphthalate           | 960   |           | 53.4 | 110        | ug/Kg             |

## Report of Analysis

|                    |                        |                 |                              |
|--------------------|------------------------|-----------------|------------------------------|
| Client:            | G Environmental        | Date Collected: | 02/28/25                     |
| Project:           | Nelson                 | Date Received:  | 02/28/25                     |
| Client Sample ID:  | TR-04-02282025MSD      | SDG No.:        | Q1447                        |
| Lab Sample ID:     | Q1475-01MSD            | Matrix:         | SOIL                         |
| Analytical Method: | SW8270                 | % Solid:        | 91.6                         |
| Sample Wt/Vol:     | 50.07      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 |
| BF141820.D        | 1         | 03/03/25 13:15 | 03/03/25 18:45 | PB166957      |

| CAS Number | Parameter                  | Conc. | Qualifier | MDL  | LOQ / CRQL | Units(Dry Weight) |
|------------|----------------------------|-------|-----------|------|------------|-------------------|
| 208-96-8   | Acenaphthylene             | 1100  |           | 56.6 | 110        | ug/Kg             |
| 606-20-2   | 2,6-Dinitrotoluene         | 1100  |           | 54.4 | 110        | ug/Kg             |
| 99-09-2    | 3-Nitroaniline             | 890   |           | 58.3 | 110        | ug/Kg             |
| 83-32-9    | Acenaphthene               | 1400  |           | 53.0 | 110        | ug/Kg             |
| 51-28-5    | 2,4-Dinitrophenol          | 1800  | E         | 160  | 220        | ug/Kg             |
| 100-02-7   | 4-Nitrophenol              | 3100  | E         | 75.9 | 220        | ug/Kg             |
| 132-64-9   | Dibenzofuran               | 1100  |           | 55.2 | 110        | ug/Kg             |
| 121-14-2   | 2,4-Dinitrotoluene         | 1300  |           | 56.4 | 110        | ug/Kg             |
| 84-66-2    | Diethylphthalate           | 990   |           | 52.4 | 110        | ug/Kg             |
| 7005-72-3  | 4-Chlorophenyl-phenylether | 1000  |           | 56.0 | 110        | ug/Kg             |
| 86-73-7    | Fluorene                   | 1400  |           | 55.9 | 110        | ug/Kg             |
| 100-01-6   | 4-Nitroaniline             | 1400  |           | 70.0 | 110        | ug/Kg             |
| 534-52-1   | 4,6-Dinitro-2-methylphenol | 900   |           | 76.5 | 220        | ug/Kg             |
| 86-30-6    | n-Nitrosodiphenylamine     | 980   |           | 53.4 | 110        | ug/Kg             |
| 101-55-3   | 4-Bromophenyl-phenylether  | 940   |           | 51.6 | 110        | ug/Kg             |
| 118-74-1   | Hexachlorobenzene          | 960   |           | 55.6 | 110        | ug/Kg             |
| 1912-24-9  | Atrazine                   | 1400  |           | 59.8 | 110        | ug/Kg             |
| 87-86-5    | Pentachlorophenol          | 2000  | E         | 50.6 | 220        | ug/Kg             |
| 85-01-8    | Phenanthrene               | 2900  | E         | 54.9 | 110        | ug/Kg             |
| 120-12-7   | Anthracene                 | 1700  |           | 55.2 | 110        | ug/Kg             |
| 86-74-8    | Carbazole                  | 1400  |           | 52.5 | 110        | ug/Kg             |
| 84-74-2    | Di-n-butylphthalate        | 1000  |           | 55.1 | 110        | ug/Kg             |
| 206-44-0   | Fluoranthene               | 3300  | E         | 53.4 | 110        | ug/Kg             |
| 129-00-0   | Pyrene                     | 2700  | E         | 54.3 | 110        | ug/Kg             |
| 85-68-7    | Butylbenzylphthalate       | 1100  |           | 63.3 | 110        | ug/Kg             |
| 91-94-1    | 3,3-Dichlorobenzidine      | 630   |           | 64.5 | 220        | ug/Kg             |
| 56-55-3    | Benzo(a)anthracene         | 2400  | E         | 52.8 | 110        | ug/Kg             |
| 218-01-9   | Chrysene                   | 2100  | E         | 52.0 | 110        | ug/Kg             |
| 117-81-7   | Bis(2-ethylhexyl)phthalate | 1200  |           | 59.5 | 110        | ug/Kg             |
| 117-84-0   | Di-n-octyl phthalate       | 1300  |           | 72.0 | 220        | ug/Kg             |
| 205-99-2   | Benzo(b)fluoranthene       | 2300  | E         | 53.0 | 110        | ug/Kg             |

## Report of Analysis

|                    |                        |                 |                              |
|--------------------|------------------------|-----------------|------------------------------|
| Client:            | G Environmental        | Date Collected: | 02/28/25                     |
| Project:           | Nelson                 | Date Received:  | 02/28/25                     |
| Client Sample ID:  | TR-04-02282025MSD      | SDG No.:        | Q1447                        |
| Lab Sample ID:     | Q1475-01MSD            | Matrix:         | SOIL                         |
| Analytical Method: | SW8270                 | % Solid:        | 91.6                         |
| Sample Wt/Vol:     | 50.07      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 |
| BF141820.D        | 1         | 03/03/25 13:15 | 03/03/25 18:45 | PB166957      |

| CAS Number                | Parameter                  | Conc.  | Qualifier | MDL                 | LOQ / CRQL | Units(Dry Weight) |
|---------------------------|----------------------------|--------|-----------|---------------------|------------|-------------------|
| 207-08-9                  | Benzo(k)fluoranthene       | 1400   |           | 54.0                | 110        | ug/Kg             |
| 50-32-8                   | Benzo(a)pyrene             | 2100   | E         | 60.8                | 110        | ug/Kg             |
| 193-39-5                  | Indeno(1,2,3-cd)pyrene     | 1300   |           | 51.1                | 110        | ug/Kg             |
| 53-70-3                   | Dibenzo(a,h)anthracene     | 1000   |           | 53.1                | 110        | ug/Kg             |
| 191-24-2                  | Benzo(g,h,i)perylene       | 1300   |           | 52.4                | 110        | ug/Kg             |
| 95-94-3                   | 1,2,4,5-Tetrachlorobenzene | 980    |           | 56.8                | 110        | ug/Kg             |
| 123-91-1                  | 1,4-Dioxane                | 920    |           | 72.0                | 110        | ug/Kg             |
| 58-90-2                   | 2,3,4,6-Tetrachlorophenol  | 1100   |           | 48.9                | 110        | ug/Kg             |
| <b>SURROGATES</b>         |                            |        |           |                     |            |                   |
| 367-12-4                  | 2-Fluorophenol             | 118    |           | 30 (18) - 130 (112) | 79%        | SPK: 150          |
| 13127-88-3                | Phenol-d6                  | 120    |           | 30 (15) - 130 (107) | 80%        | SPK: 150          |
| 4165-60-0                 | Nitrobenzene-d5            | 90.0   |           | 30 (18) - 130 (107) | 90%        | SPK: 100          |
| 321-60-8                  | 2-Fluorobiphenyl           | 76.4   |           | 30 (20) - 130 (109) | 76%        | SPK: 100          |
| 118-79-6                  | 2,4,6-Tribromophenol       | 136    |           | 30 (10) - 130 (116) | 91%        | SPK: 150          |
| 1718-51-0                 | Terphenyl-d14              | 81.9   |           | 30 (10) - 130 (105) | 82%        | SPK: 100          |
| <b>INTERNAL STANDARDS</b> |                            |        |           |                     |            |                   |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4     | 111000 | 6.887     |                     |            |                   |
| 1146-65-2                 | Naphthalene-d8             | 472000 | 8.169     |                     |            |                   |
| 15067-26-2                | Acenaphthene-d10           | 295000 | 9.928     |                     |            |                   |
| 1517-22-2                 | Phenanthrene-d10           | 545000 | 11.41     |                     |            |                   |
| 1719-03-5                 | Chrysene-d12               | 364000 | 14.057    |                     |            |                   |
| 1520-96-3                 | Perylene-d12               | 326000 | 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\BF030325\  
 Data File : BF141820.D  
 Acq On : 03 Mar 2025 18:45  
 Operator : RC/JU  
 Sample : Q1475-01MSD  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TR-04-02282025MSD

Quant Time: Mar 04 00:13:37 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF022725.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Feb 28 01:48:16 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.887  | 152  | 110601   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.169  | 136  | 472405   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.928  | 164  | 295427   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.410 | 188  | 545054   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.057 | 240  | 364367   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.527 | 264  | 325863   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.493  | 112  | 815896   | 117.809 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.498  | 99   | 1078485  | 119.642 | ng    | -0.01    |
| 23) Nitrobenzene-d5           | 7.445  | 82   | 665051   | 89.987  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.710 | 330  | 377774   | 136.207 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.245  | 172  | 1406930  | 76.362  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.998 | 244  | 1843944  | 81.878  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.622  | 88   | 131982   | 41.999  | ng    | 98       |
| 3) Pyridine                   | 3.399  | 79   | 317118   | 40.559  | ng    | 100      |
| 4) n-Nitrosodimethylamine     | 3.322  | 42   | 160981m  | 42.790  | ng    |          |
| 6) Aniline                    | 6.546  | 93   | 240050   | 25.615  | ng    | 100      |
| 8) 2-Chlorophenol             | 6.669  | 128  | 343798   | 45.890  | ng    | 98       |
| 9) Benzaldehyde               | 6.434  | 77   | 127463   | 24.309  | ng    | 100      |
| 10) Phenol                    | 6.516  | 94   | 457969   | 47.544  | ng    | 95       |
| 11) bis(2-Chloroethyl)ether   | 6.616  | 93   | 323506   | 44.059  | ng    | 99       |
| 12) 1,3-Dichlorobenzene       | 6.828  | 146  | 356948   | 44.490  | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 6.904  | 146  | 358427   | 44.337  | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 7.057  | 146  | 349753   | 46.332  | ng    | 97       |
| 15) Benzyl Alcohol            | 7.022  | 79   | 307475   | 42.680  | ng    | 98       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.157  | 45   | 499260   | 44.773  | ng    | 97       |
| 17) 2-Methylphenol            | 7.128  | 107  | 289987   | 46.893  | ng    | 99       |
| 18) Hexachloroethane          | 7.404  | 117  | 133353   | 44.073  | ng    | 98       |
| 19) n-Nitroso-di-n-propyla... | 7.293  | 70   | 256742   | 43.327  | ng    | 97       |
| 20) 3+4-Methylphenols         | 7.281  | 107  | 385146   | 50.017  | ng    | 98       |
| 22) Acetophenone              | 7.293  | 105  | 543135   | 47.207  | ng    | 98       |
| 24) Nitrobenzene              | 7.463  | 77   | 377448   | 47.692  | ng    | 99       |
| 25) Isophorone                | 7.704  | 82   | 706853   | 44.519  | ng    | 100      |
| 26) 2-Nitrophenol             | 7.781  | 139  | 151460   | 43.330  | ng    | 97       |
| 27) 2,4-Dimethylphenol        | 7.816  | 122  | 319502   | 54.742  | ng    | 100      |
| 28) bis(2-Chloroethoxy)met... | 7.916  | 93   | 418550   | 41.325  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 8.016  | 162  | 316178   | 46.958  | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 8.110  | 180  | 323179   | 43.803  | ng    | 98       |
| 31) Naphthalene               | 8.192  | 128  | 1119771  | 46.120  | ng    | 99       |
| 32) Benzoic acid              | 7.898  | 122  | 244327   | 49.810  | ng    | 99       |
| 33) 4-Chloroaniline           | 8.234  | 127  | 153722   | 17.267  | ng    | 99       |
| 34) Hexachlorobutadiene       | 8.310  | 225  | 190488   | 41.548  | ng    | 97       |
| 35) Caprolactam               | 8.587  | 113  | 135612m  | 65.471  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 8.710  | 107  | 371626   | 49.685  | ng    | 96       |
| 37) 2-Methylnaphthalene       | 8.881  | 142  | 763209   | 47.924  | ng    | 99       |
| 38) 1-Methylnaphthalene       | 8.981  | 142  | 743009   | 48.624  | ng    | 100      |
| 40) 1,2,4,5-Tetrachloroben... | 9.045  | 216  | 382857   | 44.872  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 9.034  | 237  | 265844   | 74.660  | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 9.151  | 196  | 251773   | 45.681  | ng    | 99       |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF030325\  
 Data File : BF141820.D  
 Acq On : 03 Mar 2025 18:45  
 Operator : RC/JU  
 Sample : Q1475-01MSD  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TR-04-02282025MSD

Quant Time: Mar 04 00:13:37 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF022725.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Feb 28 01:48:16 2025  
 Response via : Initial Calibration

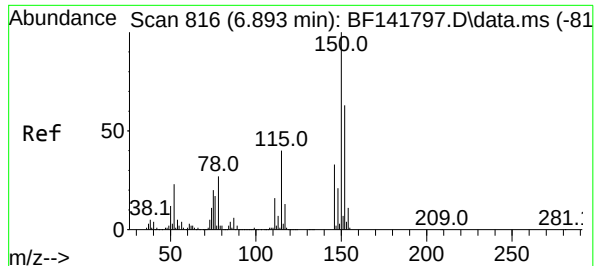
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.192  | 196  | 260124   | 47.662  | ng    | 99       |
| 46) 1,1'-Biphenyl             | 9.345  | 154  | 1073962  | 47.760  | ng    | 99       |
| 47) 2-Chloronaphthalene       | 9.369  | 162  | 741119   | 44.654  | ng    | 97       |
| 48) 2-Nitroaniline            | 9.463  | 65   | 236394   | 51.670  | ng    | 97       |
| 49) Acenaphthylene            | 9.787  | 152  | 1232367  | 49.525  | ng    | 99       |
| 50) Dimethylphthalate         | 9.645  | 163  | 870106   | 43.980  | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 9.704  | 165  | 190057   | 50.087  | ng    | 97       |
| 52) Acenaphthene              | 9.957  | 154  | 1068759  | 63.653  | ng    | 100      |
| 53) 3-Nitroaniline            | 9.869  | 138  | 162885   | 40.874  | ng    | # 96     |
| 54) 2,4-Dinitrophenol         | 9.975  | 184  | 142970   | 81.667  | ng    | # 9      |
| 55) Dibenzofuran              | 10.134 | 168  | 1272025  | 52.050  | ng    | 98       |
| 56) 4-Nitrophenol             | 10.022 | 139  | 408817   | 139.909 | ng    | 98       |
| 57) 2,4-Dinitrotoluene        | 10.104 | 165  | 273781   | 58.400  | ng    | 99       |
| 58) Fluorene                  | 10.475 | 166  | 1187140  | 64.850  | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol | 10.245 | 232  | 244933   | 51.602  | ng    | 99       |
| 60) Diethylphthalate          | 10.345 | 149  | 900702   | 45.413  | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 10.469 | 204  | 419858   | 45.777  | ng    | 99       |
| 62) 4-Nitroaniline            | 10.481 | 138  | 210583   | 62.328  | ng    | 95       |
| 63) Azobenzene                | 10.628 | 77   | 1105808  | 52.953  | ng    | 89       |
| 65) 4,6-Dinitro-2-methylph... | 10.510 | 198  | 102050   | 41.155  | ng    | 96       |
| 66) n-Nitrosodiphenylamine    | 10.581 | 169  | 802757   | 44.853  | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 10.957 | 248  | 274340   | 43.092  | ng    | 98       |
| 68) Hexachlorobenzene         | 11.022 | 284  | 294663   | 43.830  | ng    | 100      |
| 69) Atrazine                  | 11.110 | 200  | 313116   | 63.618  | ng    | 99       |
| 70) Pentachlorophenol         | 11.216 | 266  | 394143   | 92.439  | ng    | 100      |
| 71) Phenanthrene              | 11.439 | 178  | 3866700  | 132.626 | ng    | 99       |
| 72) Anthracene                | 11.492 | 178  | 2295577  | 78.562  | ng    | 100      |
| 73) Carbazole                 | 11.639 | 167  | 1695666  | 65.715  | ng    | 100      |
| 74) Di-n-butylphthalate       | 11.975 | 149  | 1535009  | 46.931  | ng    | 99       |
| 75) Fluoranthene              | 12.633 | 202  | 4553566  | 152.425 | ng    | 98       |
| 77) Benzidine                 | 12.745 | 184  | 577625   | 125.952 | ng    | 99       |
| 78) Pyrene                    | 12.857 | 202  | 3929924  | 124.554 | ng    | 96       |
| 80) Butylbenzylphthalate      | 13.475 | 149  | 591936   | 51.636  | ng    | 98       |
| 81) Benzo(a)anthracene        | 14.045 | 228  | 2686577  | 111.629 | ng    | 98       |
| 82) 3,3'-Dichlorobenzidine    | 14.004 | 252  | 201094   | 29.123  | ng    | 99       |
| 83) Chrysene                  | 14.080 | 228  | 2156229  | 97.191  | ng    | 98       |
| 84) Bis(2-ethylhexyl)phtha... | 14.033 | 149  | 799872   | 56.038  | ng    | 100      |
| 85) Di-n-octyl phthalate      | 14.645 | 149  | 1237973  | 57.932  | ng    | 99       |
| 87) Indeno(1,2,3-cd)pyrene    | 17.027 | 276  | 1274356  | 61.415  | ng    | 97       |
| 88) Benzo(b)fluoranthene      | 15.098 | 252  | 2307739  | 103.967 | ng    | 98       |
| 89) Benzo(k)fluoranthene      | 15.127 | 252  | 1240064m | 65.729  | ng    |          |
| 90) Benzo(a)pyrene            | 15.468 | 252  | 1736263  | 97.534  | ng    | 98       |
| 91) Dibenzo(a,h)anthracene    | 17.045 | 278  | 800626   | 47.270  | ng    | 98       |
| 92) Benzo(g,h,i)perylene      | 17.480 | 276  | 1009379  | 58.172  | ng    | 99       |

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



**Instrument :**  
BNA\_F  
**ClientSampleId :**  
TR-04-02282025MSD

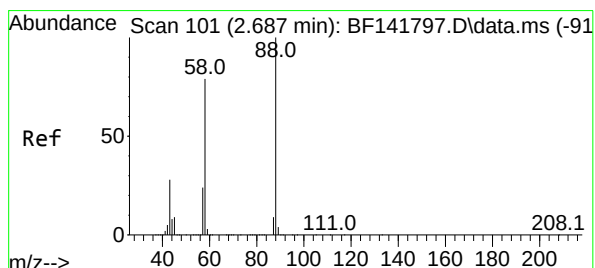
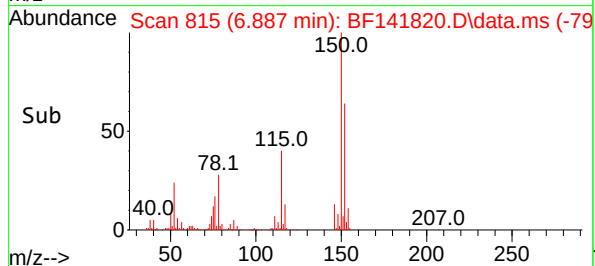
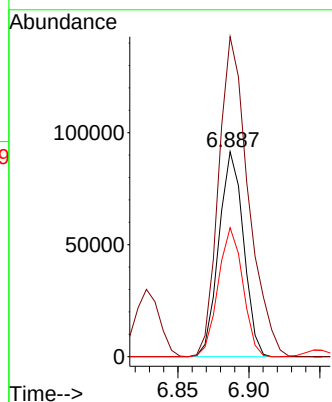
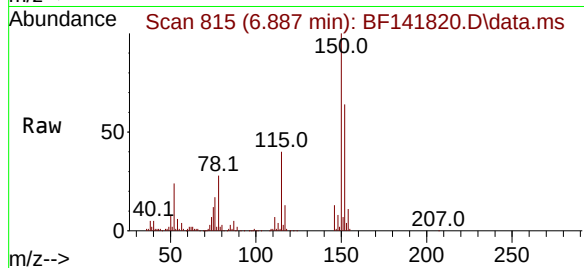
[illegible]



#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.887 min Scan# 81  
 Delta R.T. -0.006 min  
 Lab File: BF141820.D  
 Acq: 03 Mar 2025 18:45

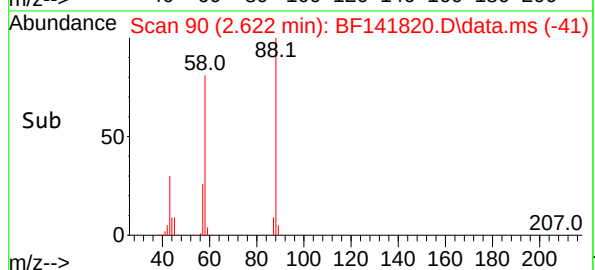
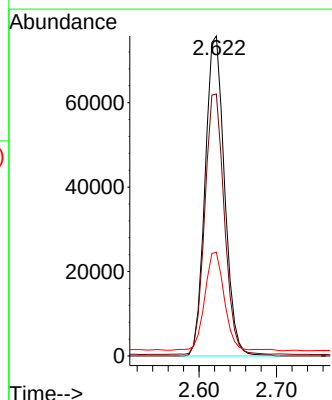
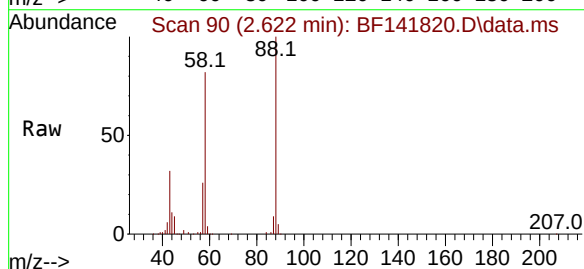
Instrument :  
 BNA\_F  
 ClientSampleId :  
 TR-04-02282025MSD

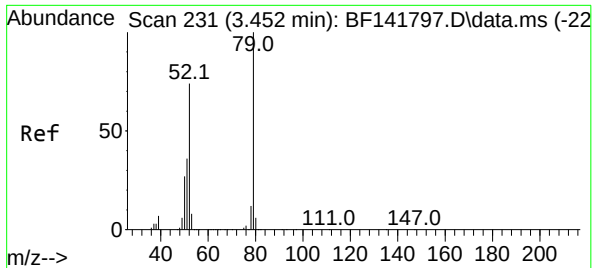
Tgt Ion:152 Resp: 110601  
 Ion Ratio Lower Upper  
 152 100  
 150 156.2 127.5 191.3  
 115 62.9 51.4 77.2



#2  
 1,4-Dioxane  
 Concen: 41.999 ng  
 RT: 2.622 min Scan# 90  
 Delta R.T. -0.065 min  
 Lab File: BF141820.D  
 Acq: 03 Mar 2025 18:45

Tgt Ion: 88 Resp: 131982  
 Ion Ratio Lower Upper  
 88 100  
 58 81.8 63.9 95.9  
 43 30.4 23.0 34.6

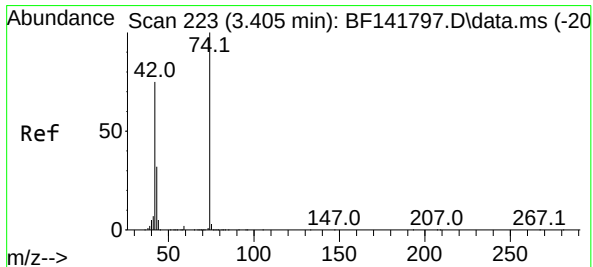
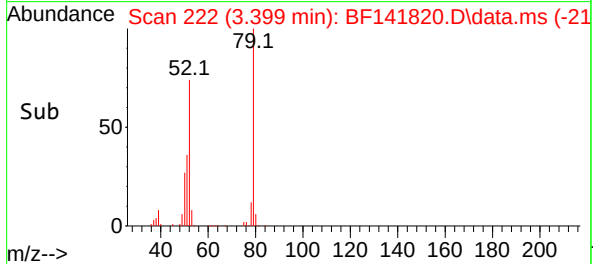
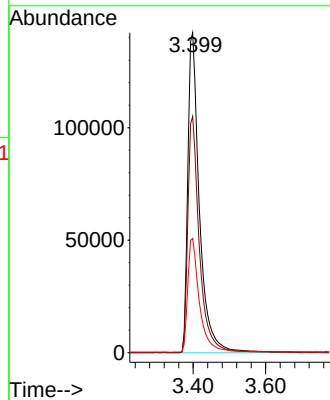
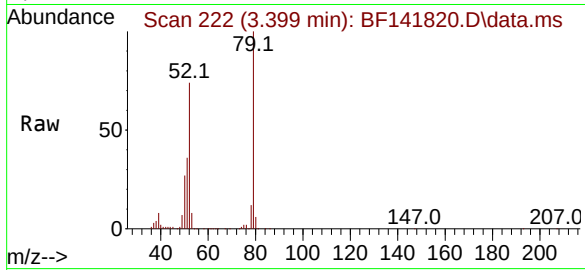




#3  
Pyridine  
Concen: 40.559 ng  
RT: 3.399 min Scan# 21  
Delta R.T. -0.053 min  
Lab File: BF141820.D  
Acq: 03 Mar 2025 18:45

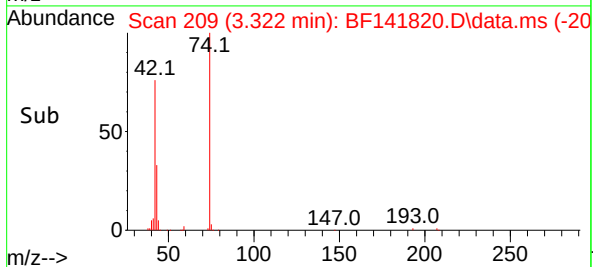
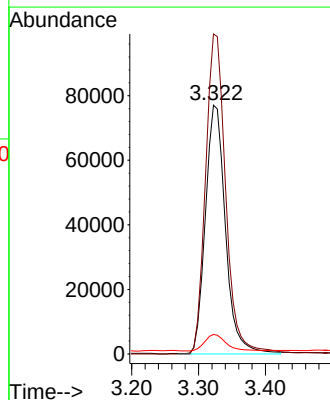
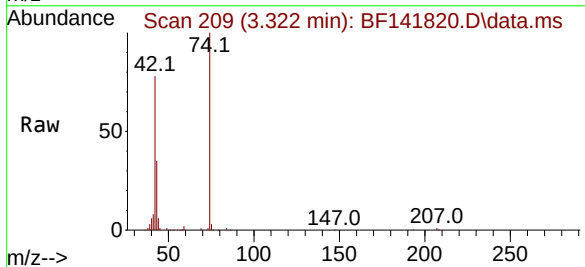
Instrument :  
BNA\_F  
ClientSampleId :  
TR-04-02282025MSD

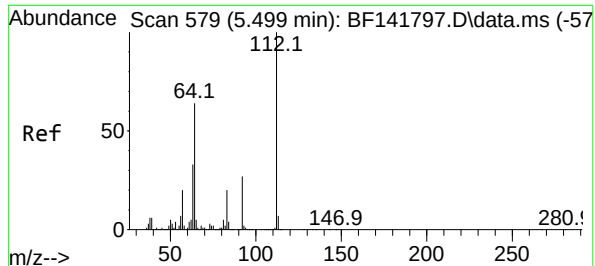
Tgt Ion: 79 Resp: 317118  
Ion Ratio Lower Upper  
79 100  
52 73.9 59.0 88.4  
51 35.7 29.0 43.4



#4  
n-Nitrosodimethylamine  
Concen: 42.790 ng m  
RT: 3.322 min Scan# 209  
Delta R.T. -0.082 min  
Lab File: BF141820.D  
Acq: 03 Mar 2025 18:45

Tgt Ion: 42 Resp: 160981  
Ion Ratio Lower Upper  
42 100  
74 128.6 107.1 160.7  
44 7.9 6.6 9.8

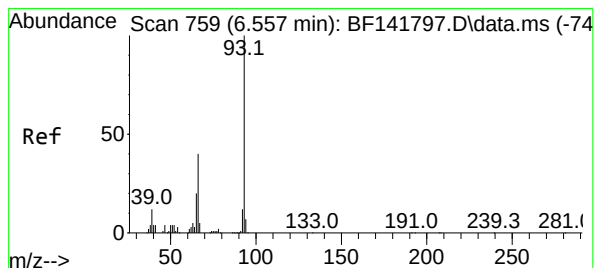
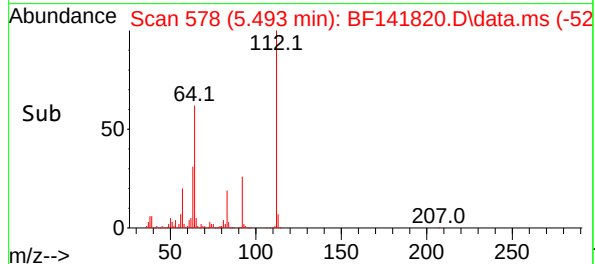
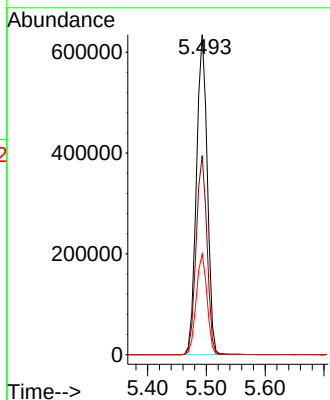
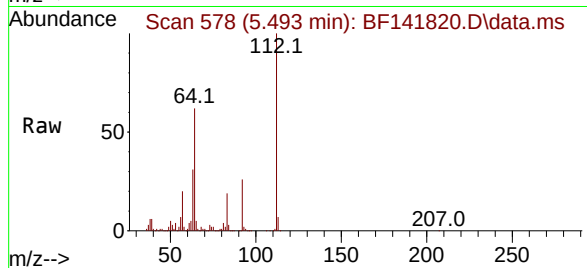




#5  
2-Fluorophenol  
Concen: 117.809 ng  
RT: 5.493 min Scan# 51  
Delta R.T. -0.006 min  
Lab File: BF141820.D  
Acq: 03 Mar 2025 18:45

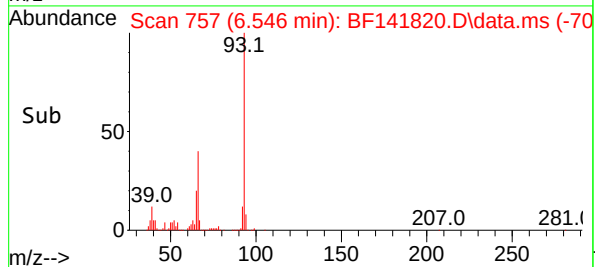
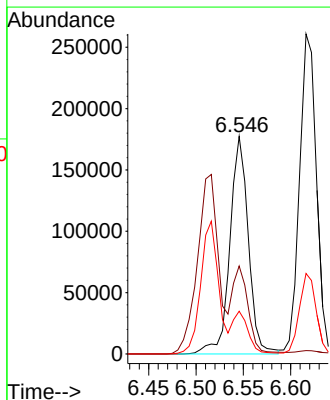
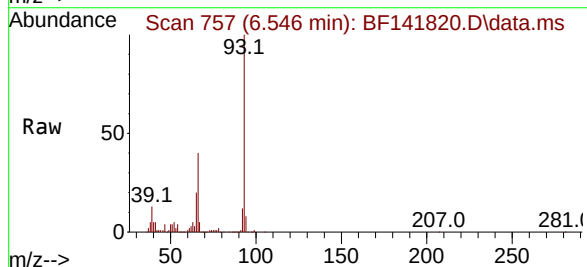
Instrument :  
BNA\_F  
ClientSampleId :  
TR-04-02282025MSD

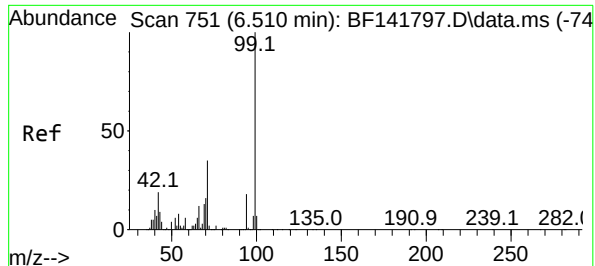
Tgt Ion:112 Resp: 815896  
Ion Ratio Lower Upper  
112 100  
64 62.2 51.3 76.9  
63 31.5 26.2 39.4



#6  
Aniline  
Concen: 25.615 ng  
RT: 6.546 min Scan# 757  
Delta R.T. -0.012 min  
Lab File: BF141820.D  
Acq: 03 Mar 2025 18:45

Tgt Ion: 93 Resp: 240050  
Ion Ratio Lower Upper  
93 100  
66 40.4 32.3 48.5  
65 19.7 15.9 23.9

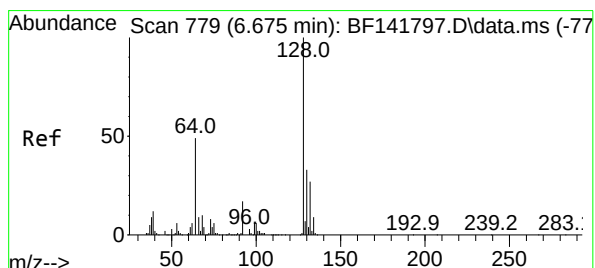
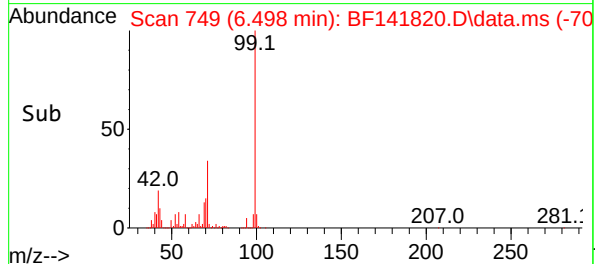
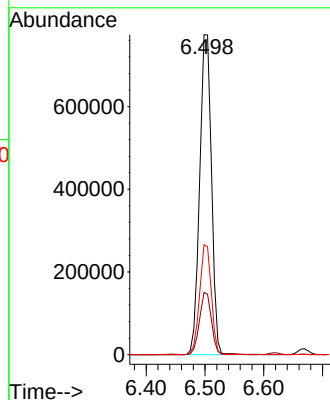
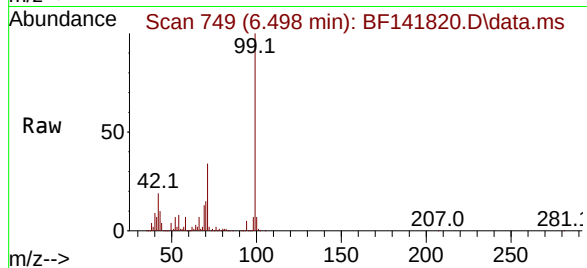




#7  
Phenol-d6  
Concen: 119.642 ng  
RT: 6.498 min Scan# 749  
Delta R.T. -0.012 min  
Lab File: BF141820.D  
Acq: 03 Mar 2025 18:45

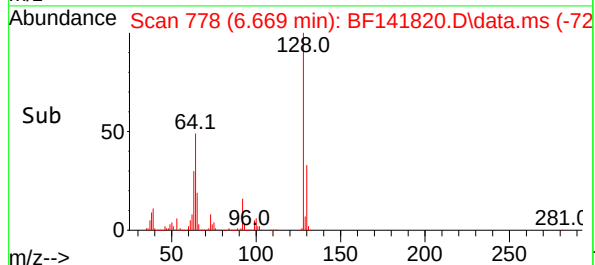
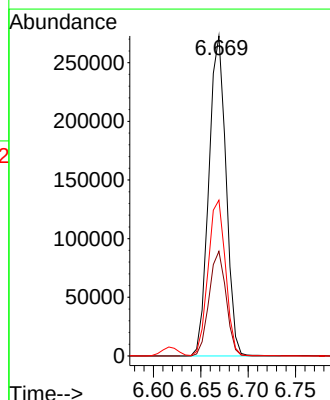
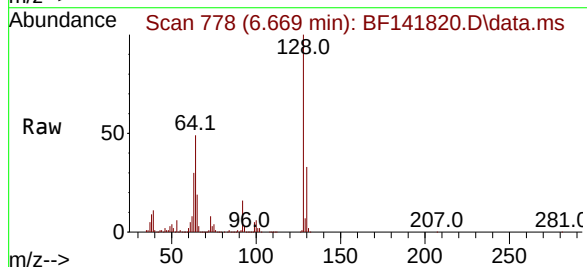
Instrument :  
BNA\_F  
ClientSampleId :  
TR-04-02282025MSD

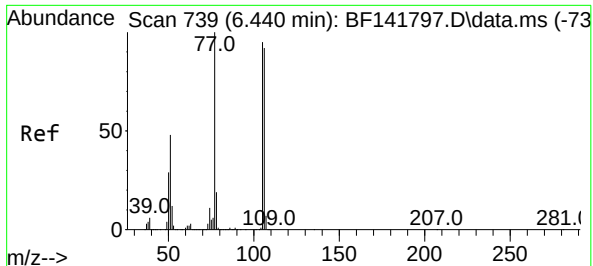
Tgt Ion: 99 Resp: 1078485  
Ion Ratio Lower Upper  
99 100  
42 19.4 15.2 22.8  
71 34.3 28.2 42.2



#8  
2-Chlorophenol  
Concen: 45.890 ng  
RT: 6.669 min Scan# 778  
Delta R.T. -0.006 min  
Lab File: BF141820.D  
Acq: 03 Mar 2025 18:45

Tgt Ion: 128 Resp: 343798  
Ion Ratio Lower Upper  
128 100  
130 32.7 12.6 52.6  
64 48.7 31.1 71.1





#9

Benzaldehyde

Concen: 24.309 ng

RT: 6.434 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF141820.D

Acq: 03 Mar 2025 18:45

Instrument :

BNA\_F

ClientSampleId :

TR-04-02282025MSD

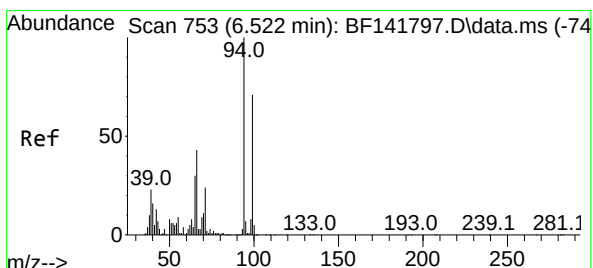
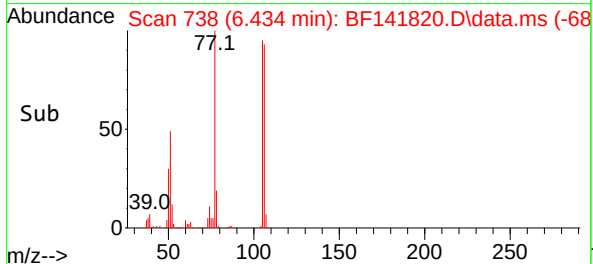
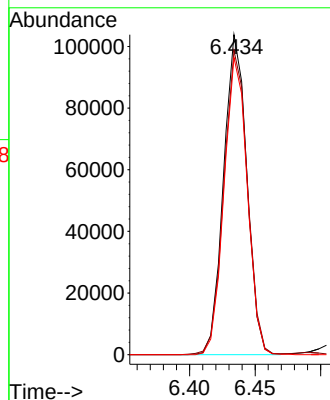
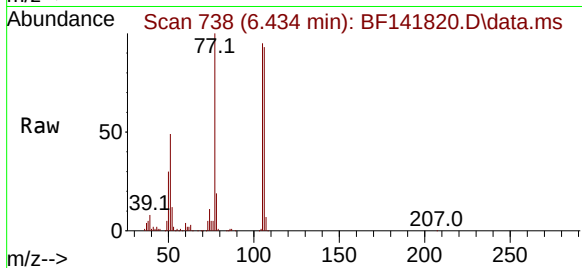
Tgt Ion: 77 Resp: 127463

Ion Ratio Lower Upper

77 100

105 95.0 75.3 115.3

106 92.8 72.3 112.3



#10

Phenol

Concen: 47.544 ng

RT: 6.516 min Scan# 752

Delta R.T. -0.006 min

Lab File: BF141820.D

Acq: 03 Mar 2025 18:45

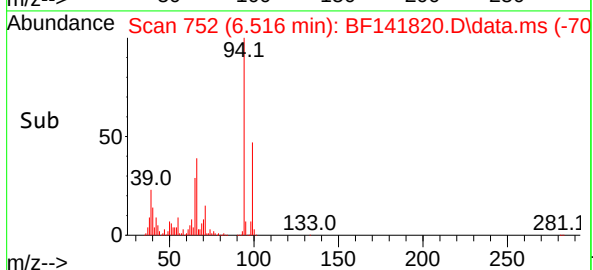
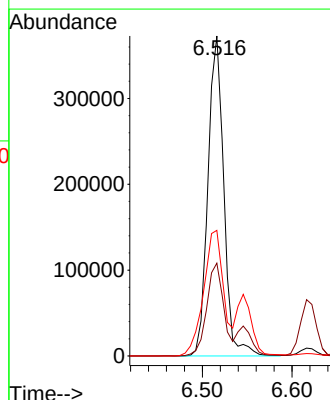
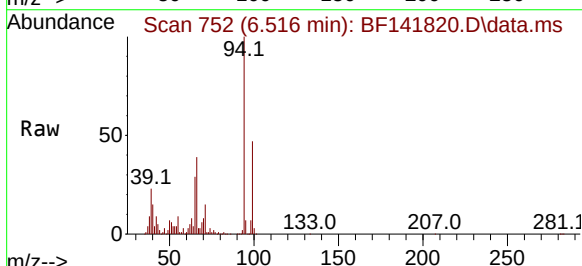
Tgt Ion: 94 Resp: 457969

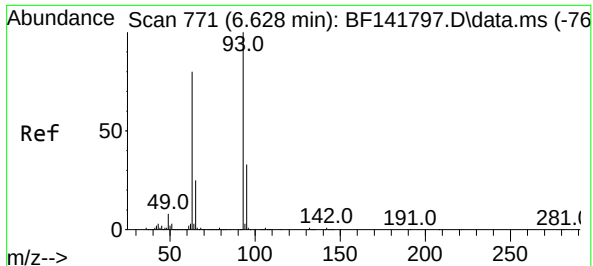
Ion Ratio Lower Upper

94 100

65 29.0 10.2 50.2

66 39.2 23.2 63.2

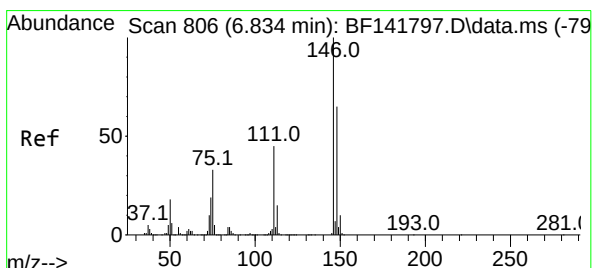
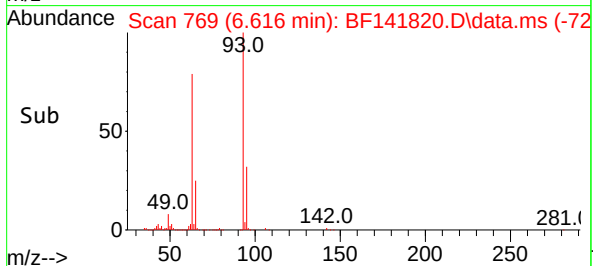
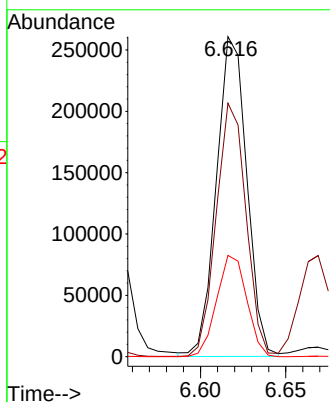
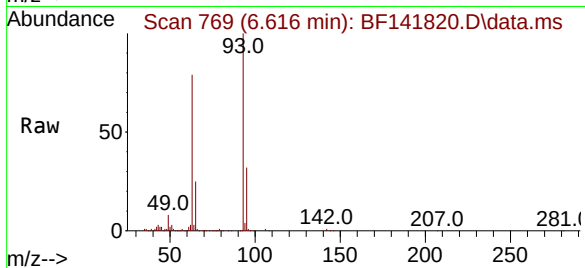




#11  
bis(2-Chloroethyl)ether  
Concen: 44.059 ng  
RT: 6.616 min Scan# 771  
Delta R.T. -0.012 min  
Lab File: BF141820.D  
Acq: 03 Mar 2025 18:45

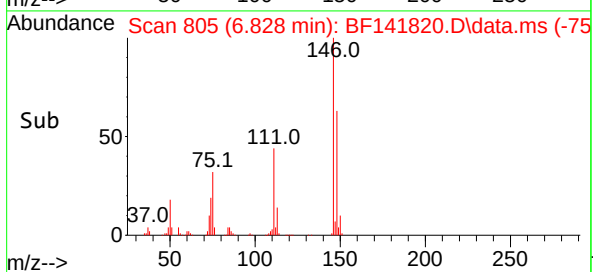
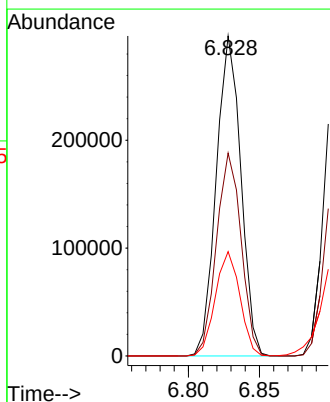
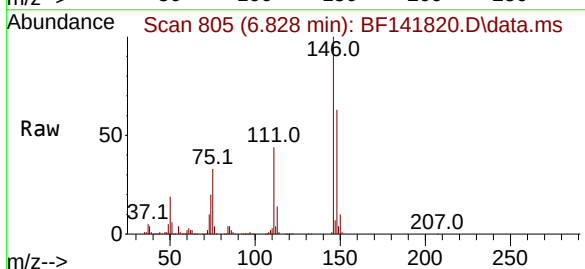
Instrument :  
BNA\_F  
ClientSampleId :  
TR-04-02282025MSD

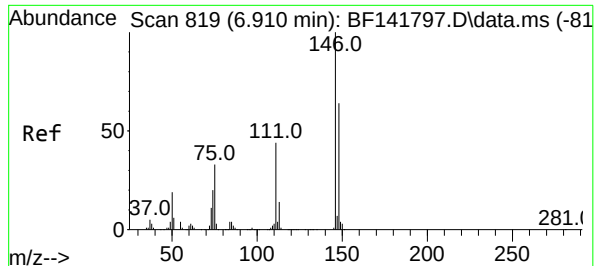
Tgt Ion: 93 Resp: 323506  
Ion Ratio Lower Upper  
93 100  
63 79.2 59.3 99.3  
95 31.6 13.2 53.2



#12  
1,3-Dichlorobenzene  
Concen: 44.490 ng  
RT: 6.828 min Scan# 805  
Delta R.T. -0.006 min  
Lab File: BF141820.D  
Acq: 03 Mar 2025 18:45

Tgt Ion:146 Resp: 356948  
Ion Ratio Lower Upper  
146 100  
148 63.4 51.8 77.6  
75 32.6 26.2 39.4





#13

1,4-Dichlorobenzene

Concen: 44.337 ng

RT: 6.904 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF141820.D

Acq: 03 Mar 2025 18:45

Instrument :

BNA\_F

ClientSampleId :

TR-04-02282025MSD

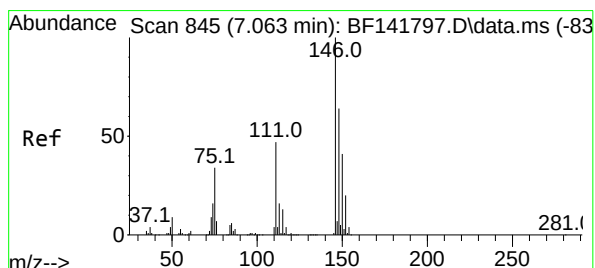
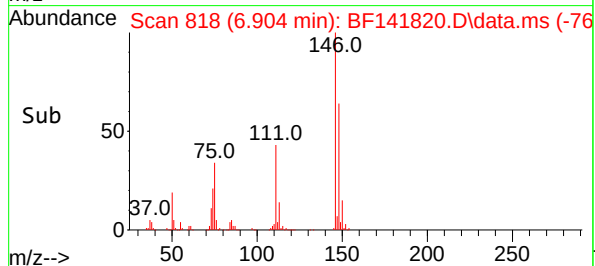
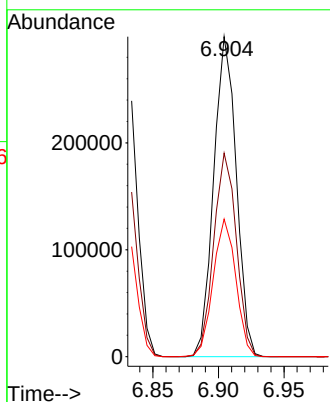
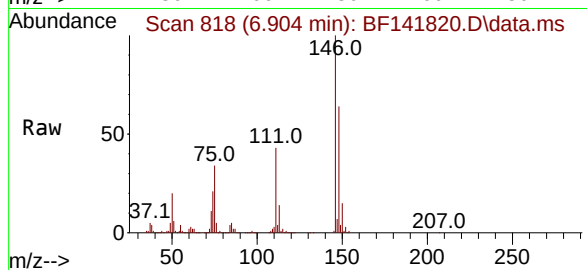
Tgt Ion:146 Resp: 358427

Ion Ratio Lower Upper

146 100

148 63.6 51.4 77.2

111 43.0 35.5 53.3



#14

1,2-Dichlorobenzene

Concen: 46.332 ng

RT: 7.057 min Scan# 844

Delta R.T. -0.006 min

Lab File: BF141820.D

Acq: 03 Mar 2025 18:45

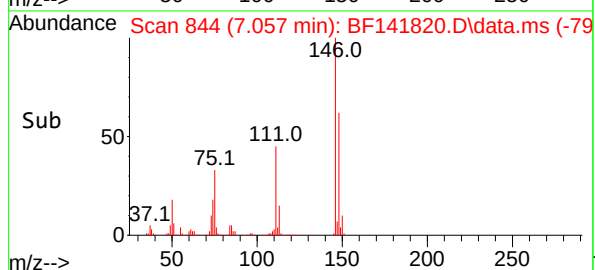
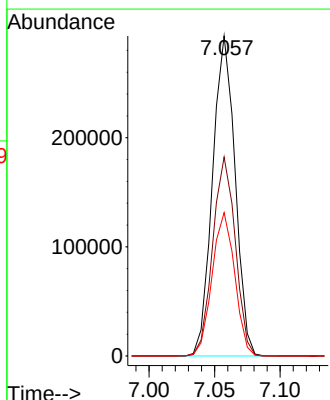
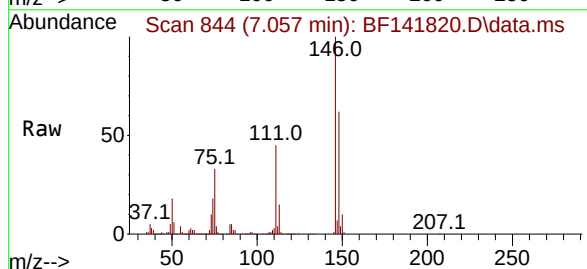
Tgt Ion:146 Resp: 349753

Ion Ratio Lower Upper

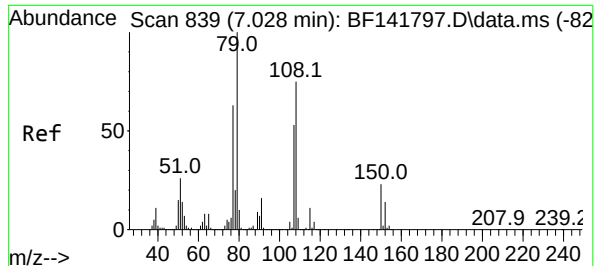
146 100

148 62.1 51.2 76.8

111 44.8 37.8 56.6







#15

Benzyl Alcohol

Concen: 42.680 ng

RT: 7.022 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF141820.D

Acq: 03 Mar 2025 18:45

Instrument :

BNA\_F

ClientSampleId :

TR-04-02282025MSD

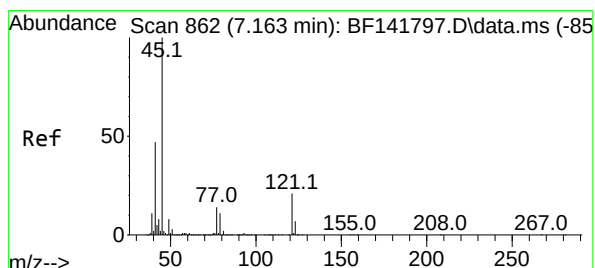
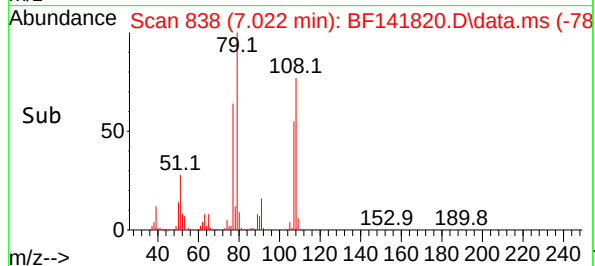
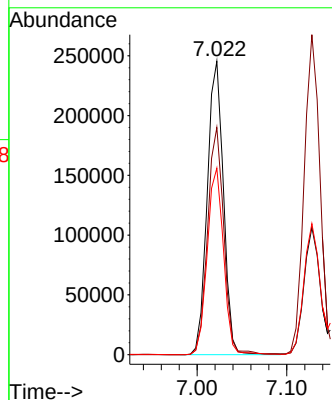
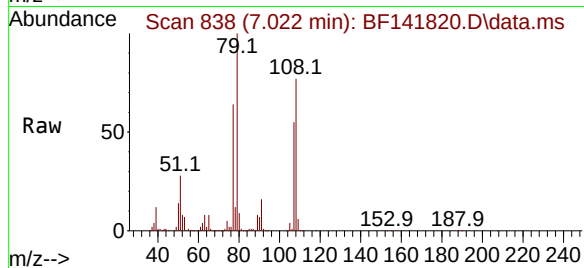
Tgt Ion: 79 Resp: 307475

Ion Ratio Lower Upper

79 100

108 77.4 60.2 90.2

77 63.6 50.2 75.2



#16

2,2'-oxybis(1-Chloropropane)

Concen: 44.773 ng

RT: 7.157 min Scan# 861

Delta R.T. -0.006 min

Lab File: BF141820.D

Acq: 03 Mar 2025 18:45

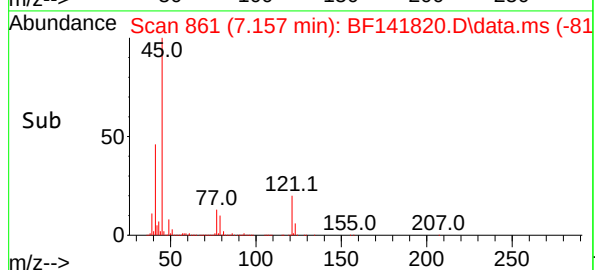
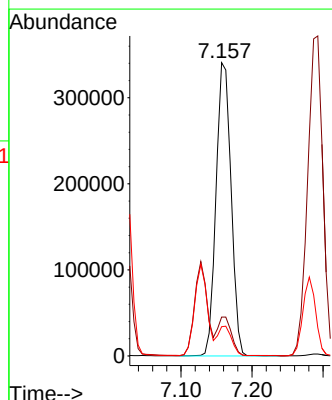
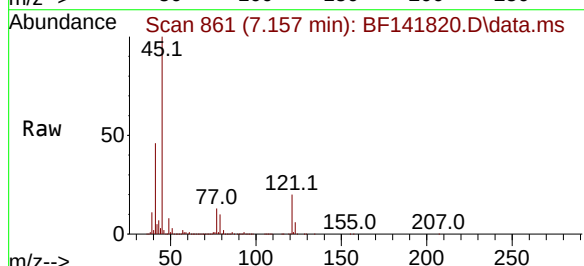
Tgt Ion: 45 Resp: 499260

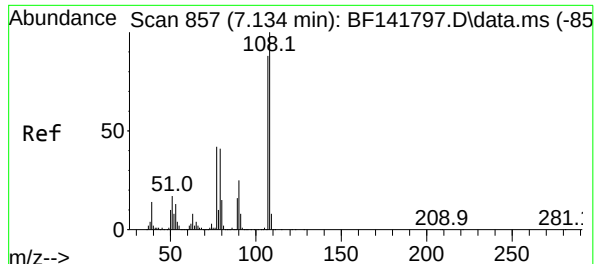
Ion Ratio Lower Upper

45 100

77 13.3 0.0 34.4

79 10.0 0.0 30.9





#17

2-Methylphenol

Concen: 46.893 ng

RT: 7.128 min Scan# 856

Delta R.T. -0.006 min

Lab File: BF141820.D

Acq: 03 Mar 2025 18:45

Instrument :

BNA\_F

ClientSampleId :

TR-04-02282025MSD

Tgt Ion:107 Resp: 289987

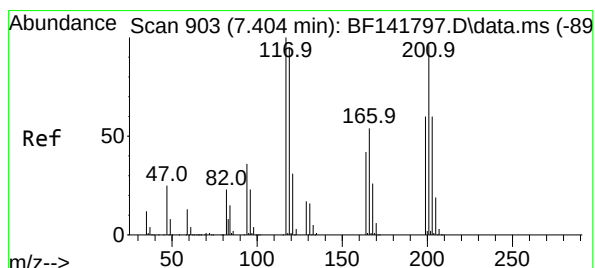
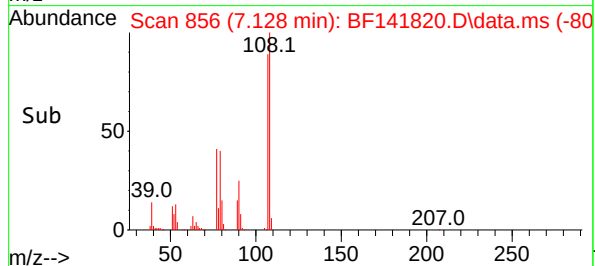
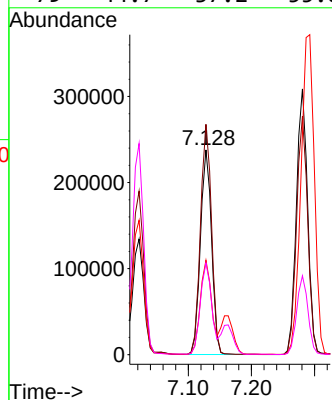
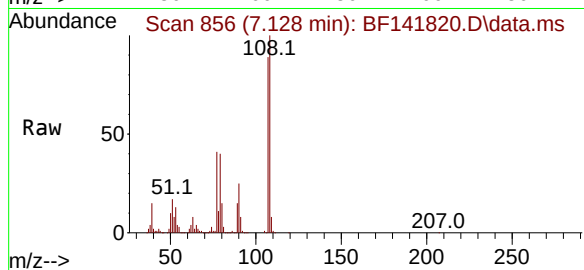
Ion Ratio Lower Upper

107 100

108 112.4 90.6 135.8

77 46.1 37.7 56.5

79 44.7 37.2 55.8



#18

Hexachloroethane

Concen: 44.073 ng

RT: 7.404 min Scan# 903

Delta R.T. -0.000 min

Lab File: BF141820.D

Acq: 03 Mar 2025 18:45

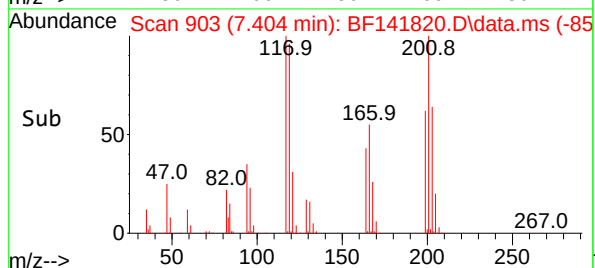
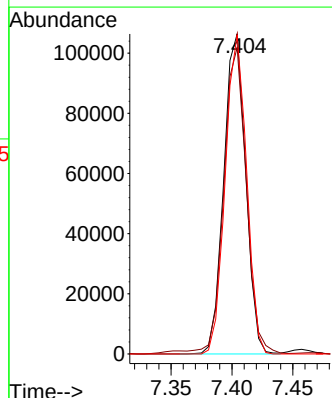
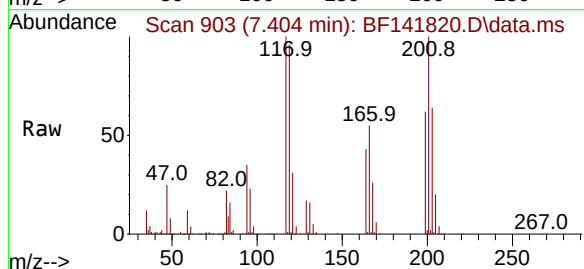
Tgt Ion:117 Resp: 133353

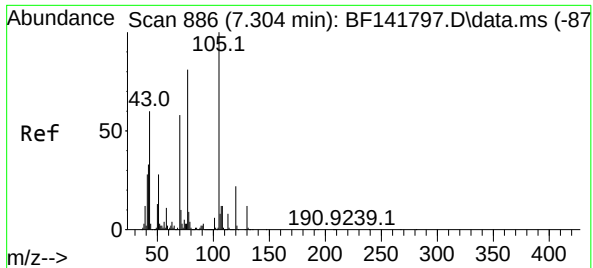
Ion Ratio Lower Upper

117 100

119 95.8 75.8 113.8

201 99.7 76.7 115.1





#19

n-Nitroso-di-n-propylamine

Concen: 43.327 ng

RT: 7.293 min Scan# 884

Delta R.T. -0.012 min

Lab File: BF141820.D

Acq: 03 Mar 2025 18:45

Instrument :

BNA\_F

ClientSampleId :

TR-04-02282025MSD

Tgt Ion: 70 Resp: 256742

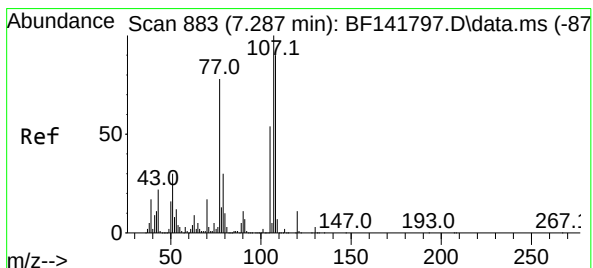
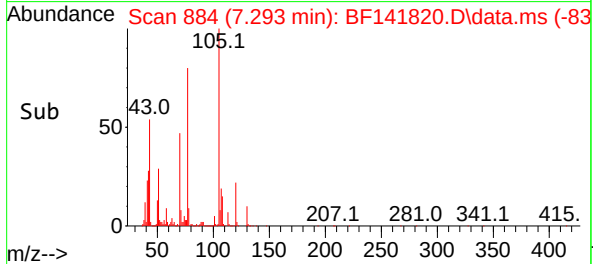
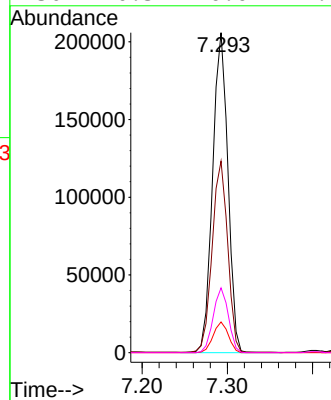
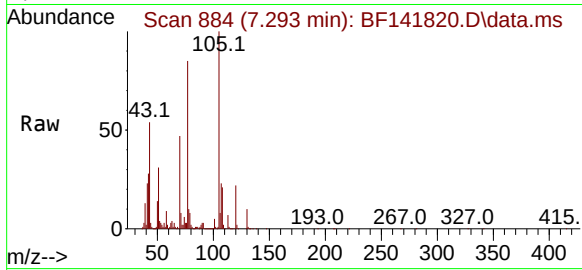
Ion Ratio Lower Upper

70 100

42 59.9 45.4 68.0

101 9.6 7.8 11.8

130 20.3 16.6 24.8



#20

3+4-Methylphenols

Concen: 50.017 ng

RT: 7.281 min Scan# 882

Delta R.T. -0.006 min

Lab File: BF141820.D

Acq: 03 Mar 2025 18:45

Tgt Ion: 107 Resp: 385146

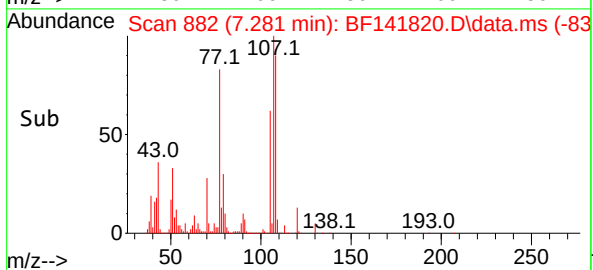
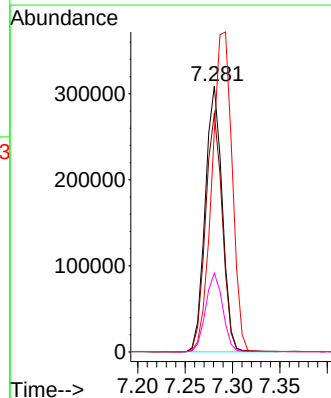
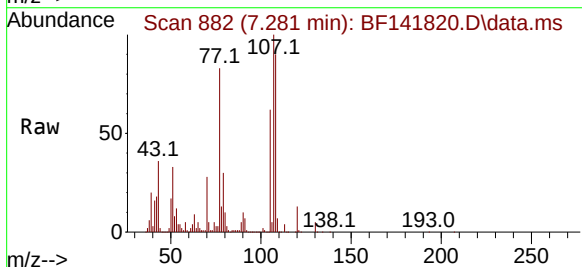
Ion Ratio Lower Upper

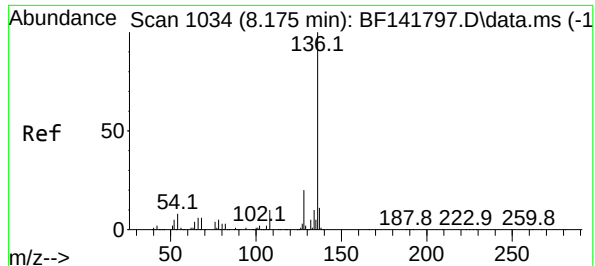
107 100

108 89.7 69.7 109.7

77 82.9 58.3 98.3

79 29.7 10.3 50.3





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.169 min Scan# 1033

Delta R.T. -0.006 min

Lab File: BF141820.D

Acq: 03 Mar 2025 18:45

Instrument :

BNA\_F

ClientSampleId :

TR-04-02282025MSD

Tgt Ion:136 Resp: 472405

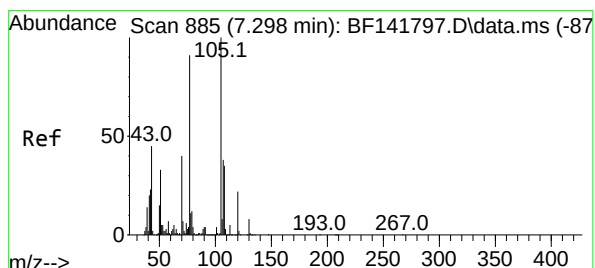
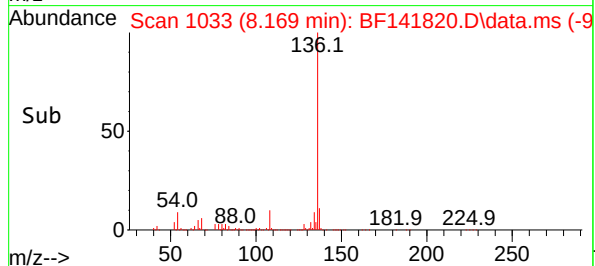
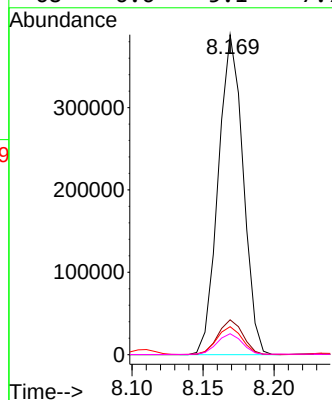
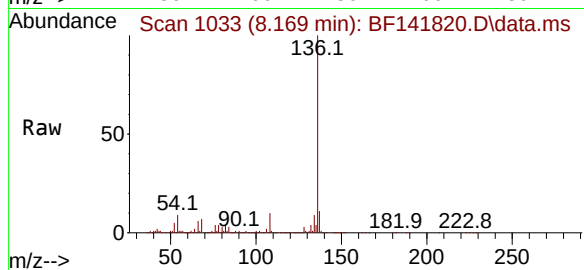
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 8.8 6.9 10.3

68 6.6 5.1 7.7



#22

Acetophenone

Concen: 47.207 ng

RT: 7.293 min Scan# 884

Delta R.T. -0.006 min

Lab File: BF141820.D

Acq: 03 Mar 2025 18:45

Tgt Ion:105 Resp: 543135

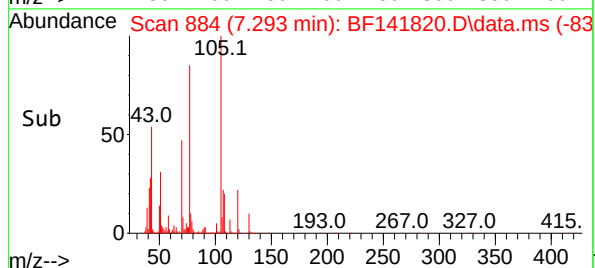
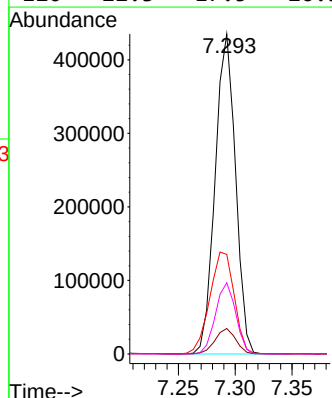
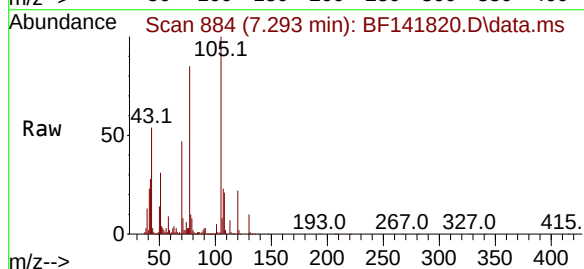
Ion Ratio Lower Upper

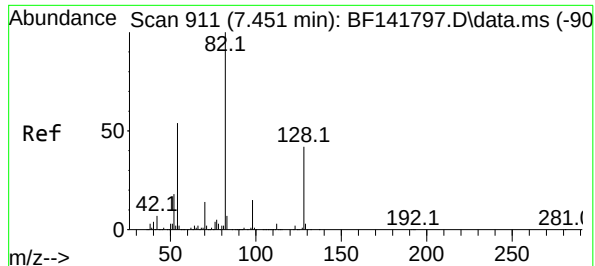
105 100

71 7.9 5.4 8.0

51 31.1 26.1 39.1

120 22.3 17.5 26.3





#23

Nitrobenzene-d5

Concen: 89.987 ng

RT: 7.445 min Scan# 911

Delta R.T. -0.006 min

Lab File: BF141820.D

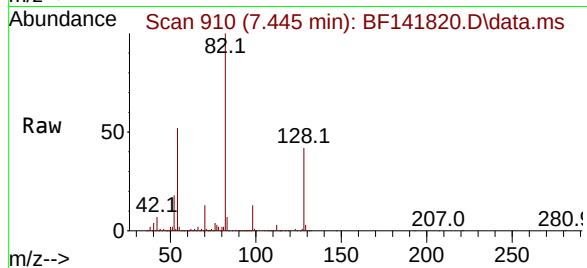
Acq: 03 Mar 2025 18:45

Instrument :

BNA\_F

ClientSampleId :

TR-04-02282025MSD



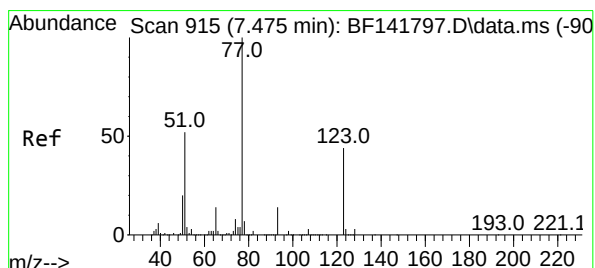
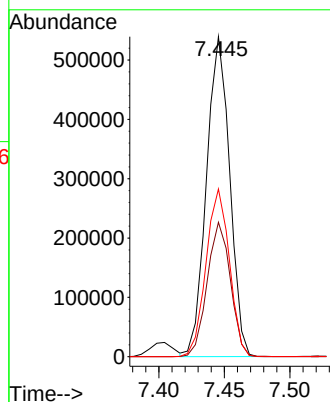
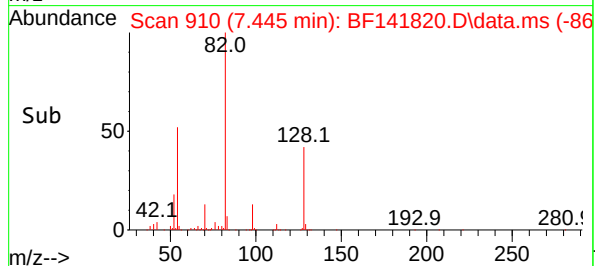
Tgt Ion: 82 Resp: 665051

Ion Ratio Lower Upper

82 100

128 42.0 33.5 50.3

54 52.4 42.7 64.1



#24

Nitrobenzene

Concen: 47.692 ng

RT: 7.463 min Scan# 913

Delta R.T. -0.012 min

Lab File: BF141820.D

Acq: 03 Mar 2025 18:45

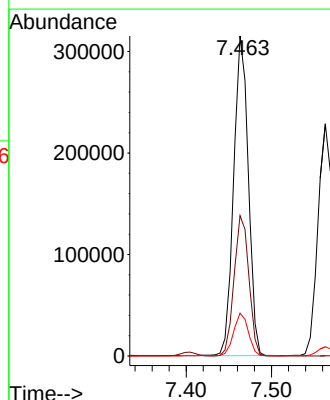
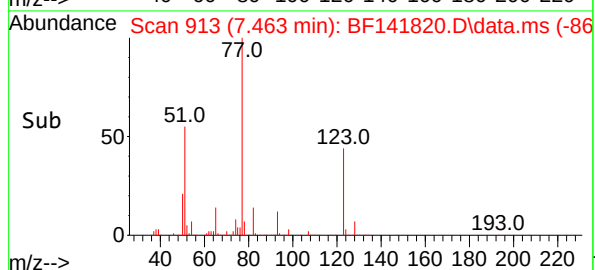
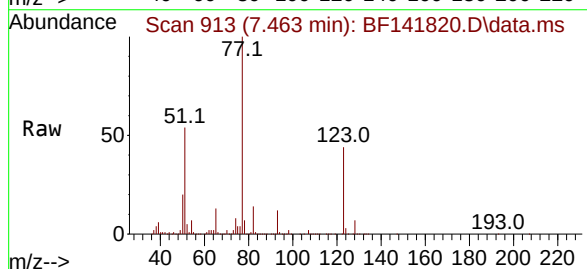
Tgt Ion: 77 Resp: 377448

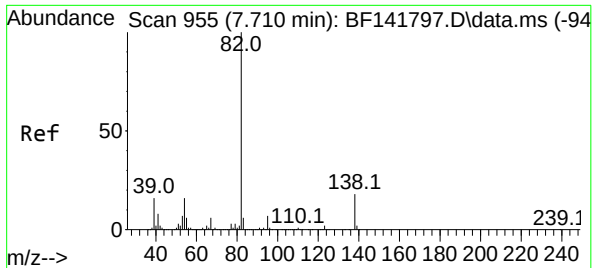
Ion Ratio Lower Upper

77 100

123 43.9 35.8 53.8

65 13.4 11.2 16.8

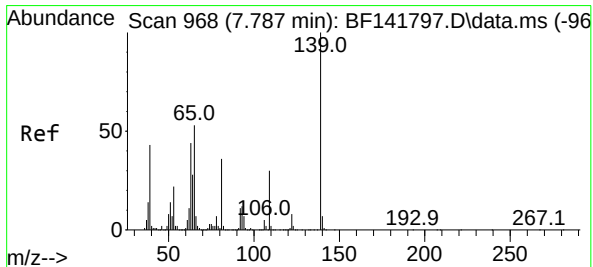
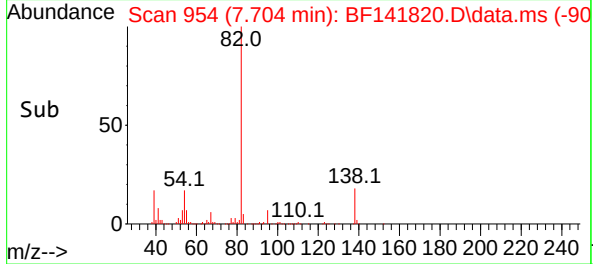
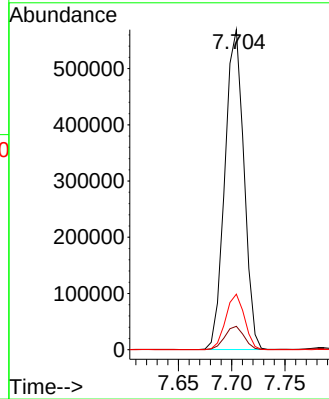
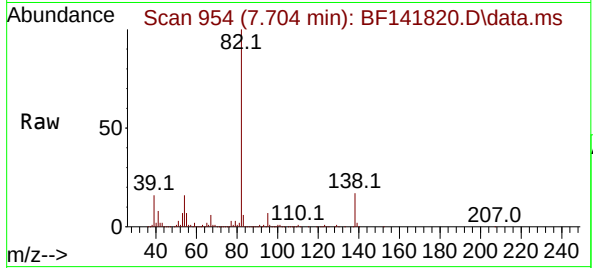




#25  
Isophorone  
Concen: 44.519 ng  
RT: 7.704 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: BF141820.D  
Acq: 03 Mar 2025 18:45

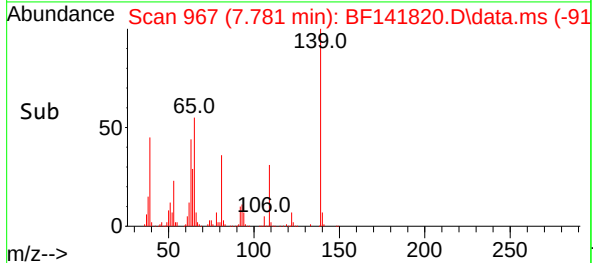
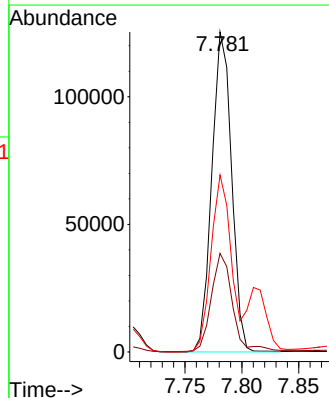
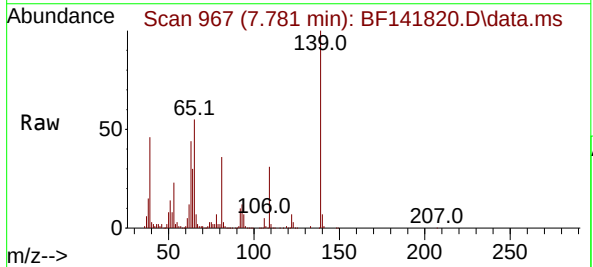
Instrument :  
BNA\_F  
ClientSampleId :  
TR-04-02282025MSD

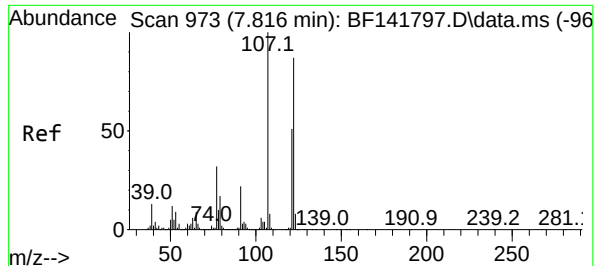
Tgt Ion: 82 Resp: 706853  
Ion Ratio Lower Upper  
82 100  
95 7.3 5.8 8.8  
138 17.4 14.0 21.0



#26  
2-Nitrophenol  
Concen: 43.330 ng  
RT: 7.781 min Scan# 967  
Delta R.T. -0.006 min  
Lab File: BF141820.D  
Acq: 03 Mar 2025 18:45

Tgt Ion: 139 Resp: 151460  
Ion Ratio Lower Upper  
139 100  
109 30.8 24.1 36.1  
65 55.3 42.3 63.5





#27

2,4-Dimethylphenol

Concen: 54.742 ng

RT: 7.816 min Scan# 91

Delta R.T. 0.000 min

Lab File: BF141820.D

Acq: 03 Mar 2025 18:45

Instrument :

BNA\_F

ClientSampleId :

TR-04-02282025MSD

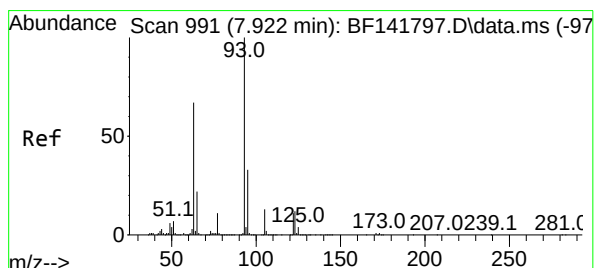
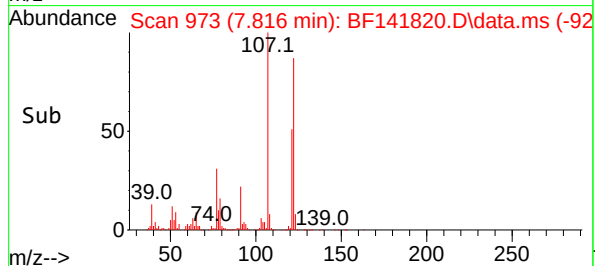
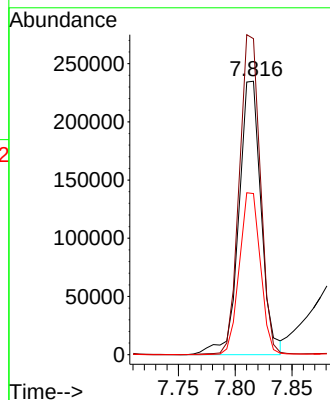
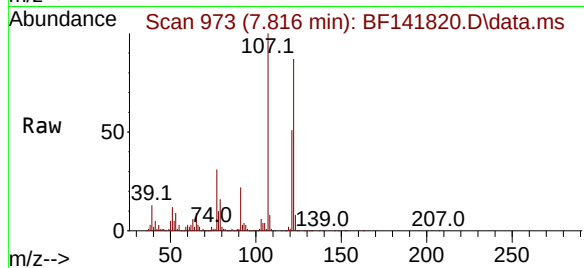
Tgt Ion:122 Resp: 319502

Ion Ratio Lower Upper

122 100

107 115.6 92.5 138.7

121 58.9 47.1 70.7



#28

bis(2-Chloroethoxy)methane

Concen: 41.325 ng

RT: 7.916 min Scan# 990

Delta R.T. -0.006 min

Lab File: BF141820.D

Acq: 03 Mar 2025 18:45

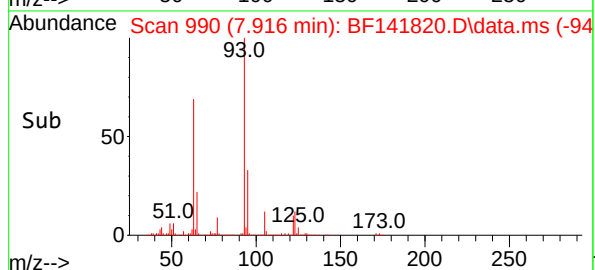
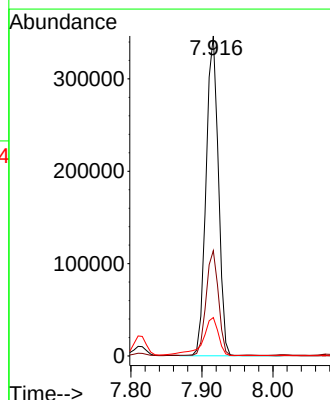
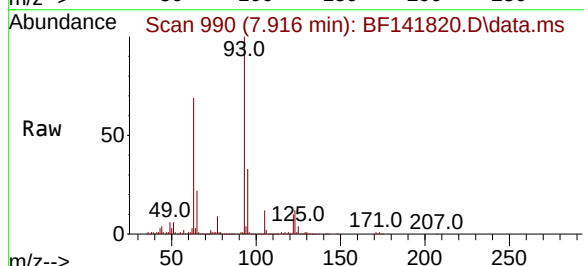
Tgt Ion: 93 Resp: 418550

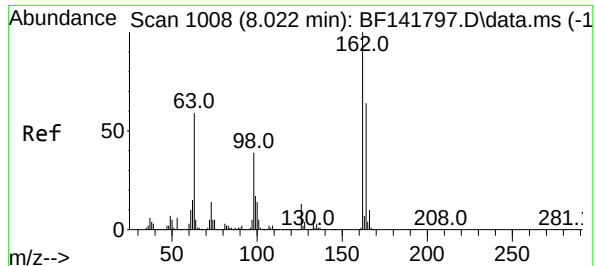
Ion Ratio Lower Upper

93 100

95 32.9 26.5 39.7

123 12.0 10.0 15.0





#29

2,4-Dichlorophenol

Concen: 46.958 ng

RT: 8.016 min Scan# 1007

Delta R.T. -0.006 min

Lab File: BF141820.D

Acq: 03 Mar 2025 18:45

Instrument :

BNA\_F

ClientSampleId :

TR-04-02282025MSD

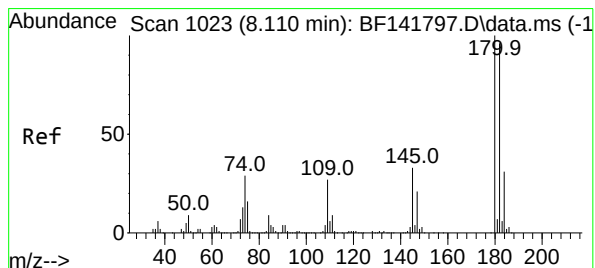
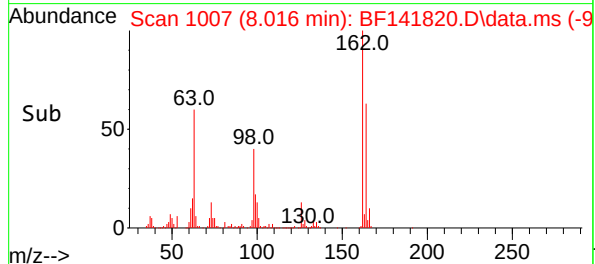
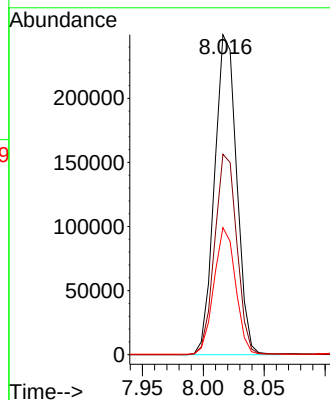
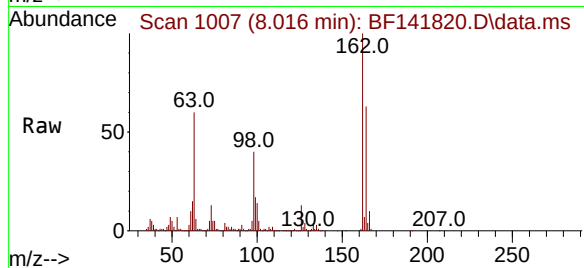
Tgt Ion:162 Resp: 316178

Ion Ratio Lower Upper

162 100

164 62.7 44.3 84.3

98 39.7 19.6 59.6



#30

1,2,4-Trichlorobenzene

Concen: 43.803 ng

RT: 8.110 min Scan# 1023

Delta R.T. 0.000 min

Lab File: BF141820.D

Acq: 03 Mar 2025 18:45

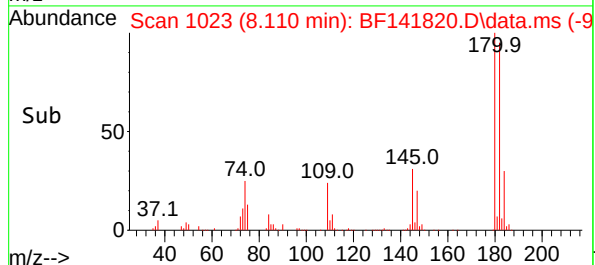
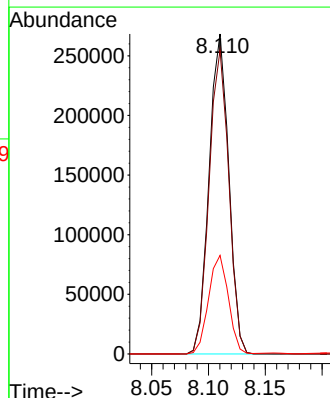
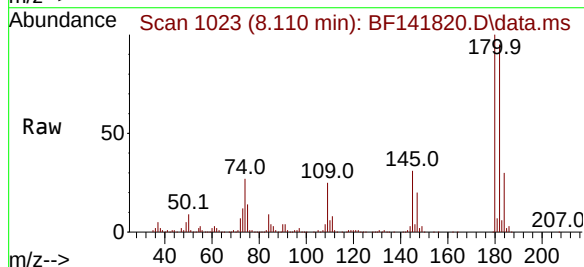
Tgt Ion:180 Resp: 323179

Ion Ratio Lower Upper

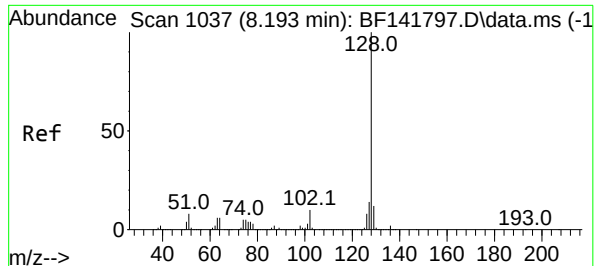
180 100

182 95.0 76.8 115.2

145 30.8 26.4 39.6







#31

Naphthalene

Concen: 46.120 ng

RT: 8.192 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF141820.D

Acq: 03 Mar 2025 18:45

Instrument :

BNA\_F

ClientSampleId :

TR-04-02282025MSD

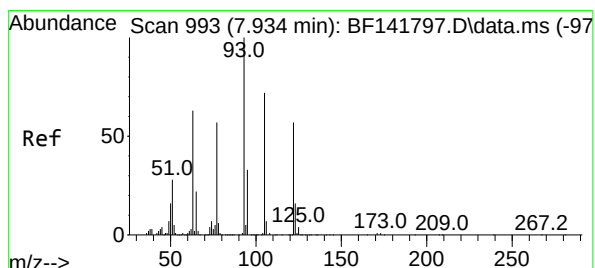
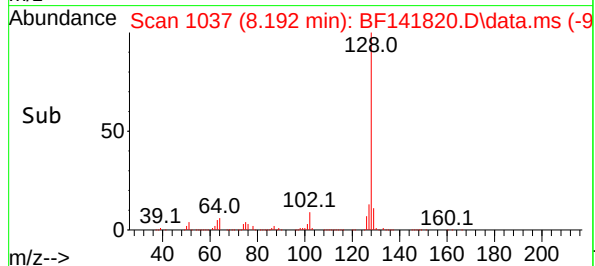
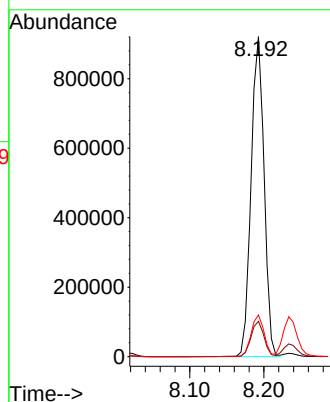
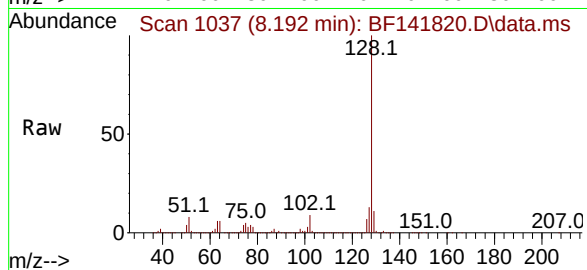
Tgt Ion:128 Resp: 1119771

Ion Ratio Lower Upper

128 100

129 11.0 9.2 13.8

127 13.1 11.0 16.4



#32

Benzoic acid

Concen: 49.810 ng

RT: 7.898 min Scan# 987

Delta R.T. -0.036 min

Lab File: BF141820.D

Acq: 03 Mar 2025 18:45

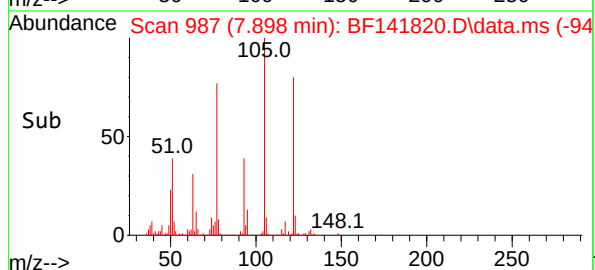
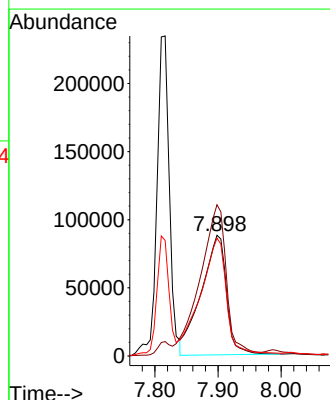
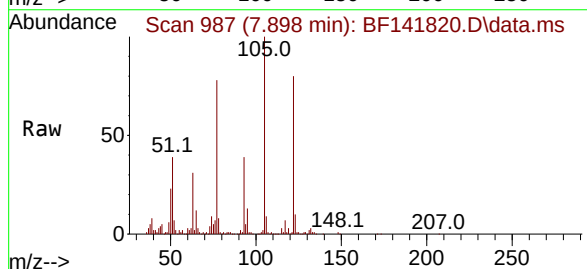
Tgt Ion:122 Resp: 244327

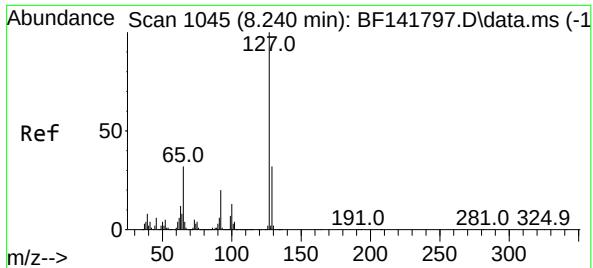
Ion Ratio Lower Upper

122 100

105 125.4 105.8 145.8

77 97.6 79.9 119.9

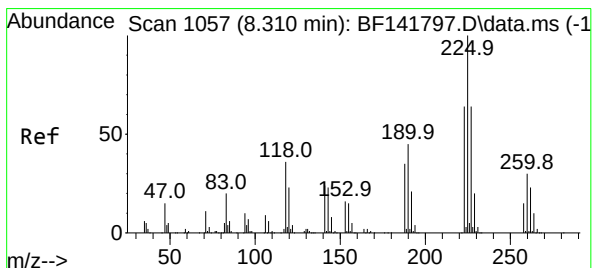
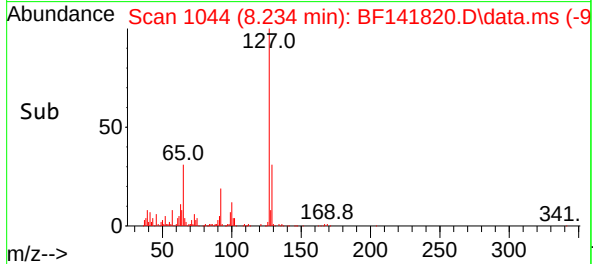
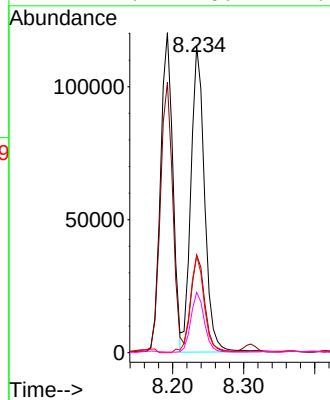
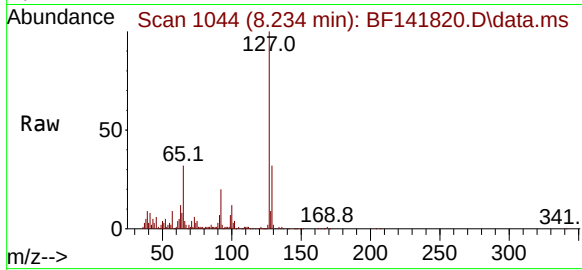




#33  
4-Chloroaniline  
Concen: 17.267 ng  
RT: 8.234 min Scan# 1044  
Delta R.T. -0.006 min  
Lab File: BF141820.D  
Acq: 03 Mar 2025 18:45

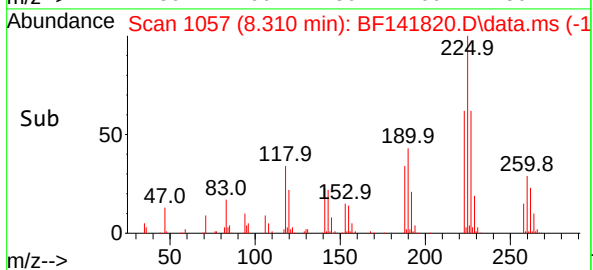
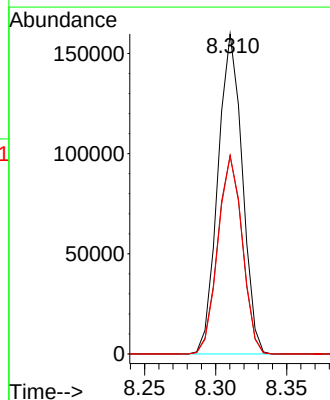
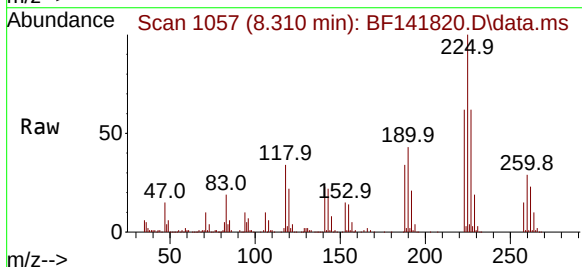
Instrument :  
BNA\_F  
ClientSampleId :  
TR-04-02282025MSD

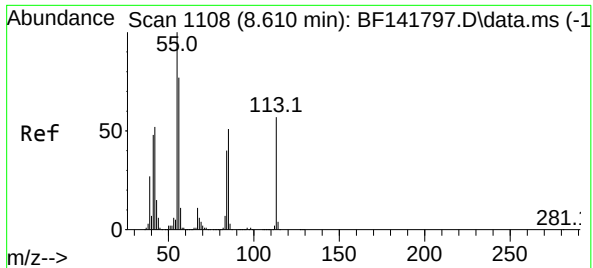
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 127   | Resp: | 153722 |
| Ion      | Ratio | Lower | Upper  |
| 127      | 100   |       |        |
| 129      | 31.9  | 26.1  | 39.1   |
| 65       | 31.6  | 25.7  | 38.5   |
| 92       | 19.7  | 16.1  | 24.1   |



#34  
Hexachlorobutadiene  
Concen: 41.548 ng  
RT: 8.310 min Scan# 1057  
Delta R.T. -0.000 min  
Lab File: BF141820.D  
Acq: 03 Mar 2025 18:45

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 225   | Resp: | 190488 |
| Ion      | Ratio | Lower | Upper  |
| 225      | 100   |       |        |
| 223      | 62.0  | 51.4  | 77.2   |
| 227      | 61.9  | 51.6  | 77.4   |





#35

Caprolactam

Concen: 65.471 ng m

RT: 8.587 min Scan# 1104

Delta R.T. -0.024 min

Lab File: BF141820.D

Acq: 03 Mar 2025 18:45

Instrument :

BNA\_F

ClientSampleId :

TR-04-02282025MSD

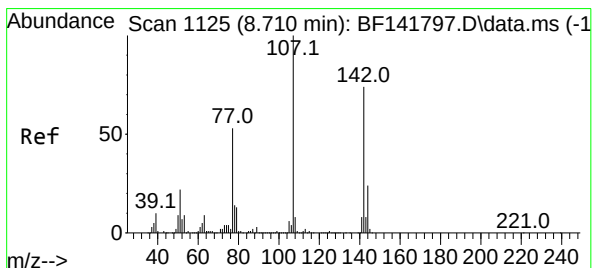
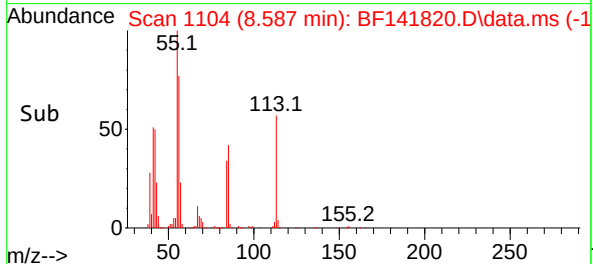
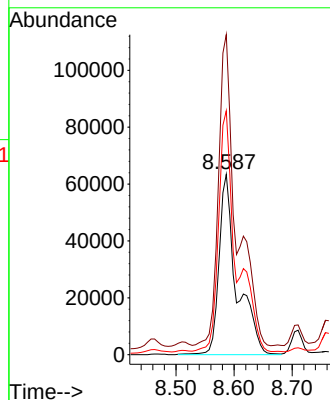
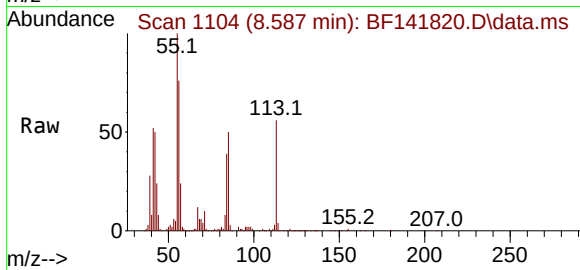
Tgt Ion:113 Resp: 135612

Ion Ratio Lower Upper

113 100

55 177.4 155.6 195.6

56 135.2 114.6 154.6



#36

4-Chloro-3-methylphenol

Concen: 49.685 ng

RT: 8.710 min Scan# 1125

Delta R.T. -0.000 min

Lab File: BF141820.D

Acq: 03 Mar 2025 18:45

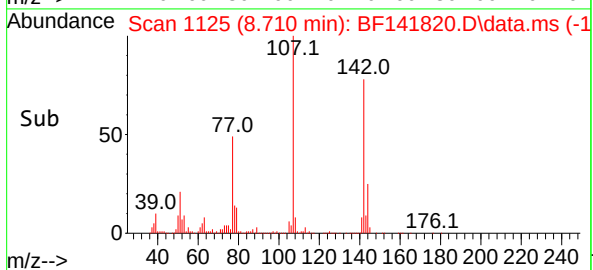
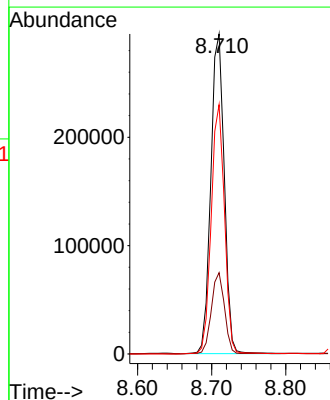
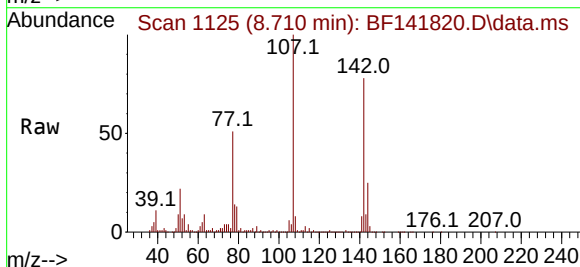
Tgt Ion:107 Resp: 371626

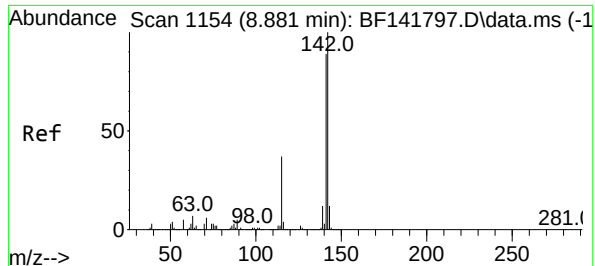
Ion Ratio Lower Upper

107 100

144 25.4 19.4 29.0

142 77.9 59.4 89.0





#37

2-Methylnaphthalene

Concen: 47.924 ng

RT: 8.881 min Scan# 1154

Delta R.T. -0.000 min

Lab File: BF141820.D

Acq: 03 Mar 2025 18:45

Instrument :

BNA\_F

ClientSampleId :

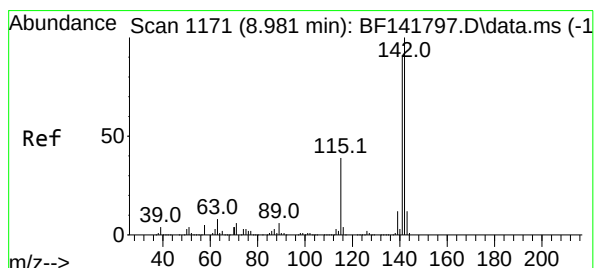
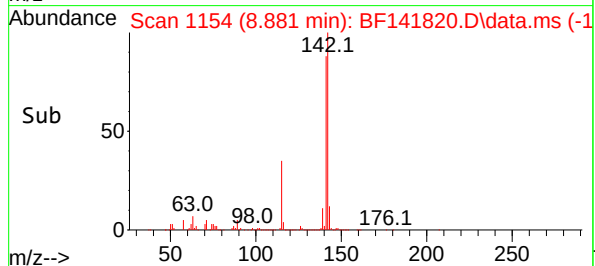
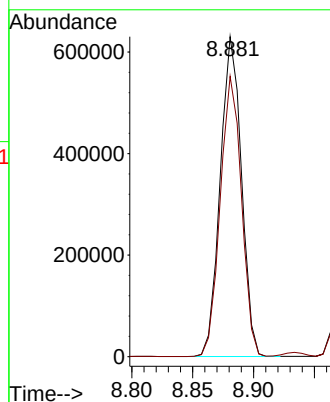
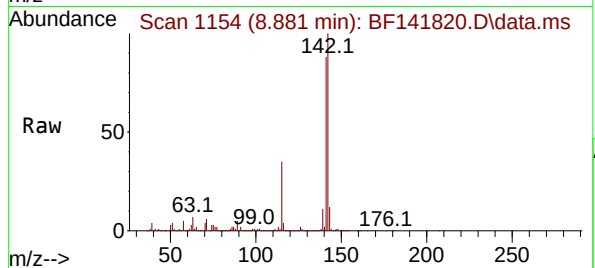
TR-04-02282025MSD

Tgt Ion:142 Resp: 763209

Ion Ratio Lower Upper

142 100

141 87.6 71.1 106.7



#38

1-Methylnaphthalene

Concen: 48.624 ng

RT: 8.981 min Scan# 1171

Delta R.T. -0.000 min

Lab File: BF141820.D

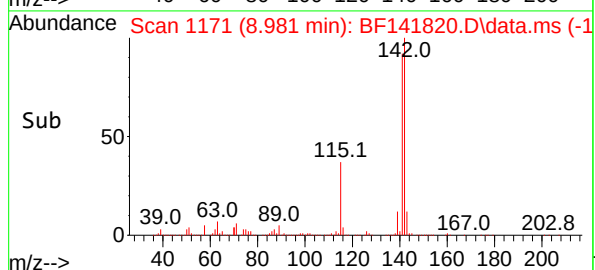
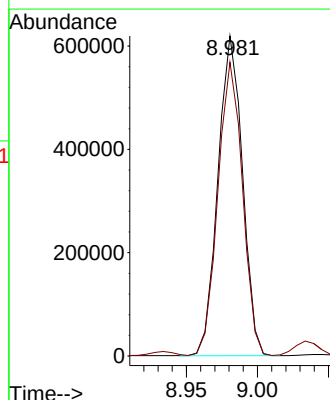
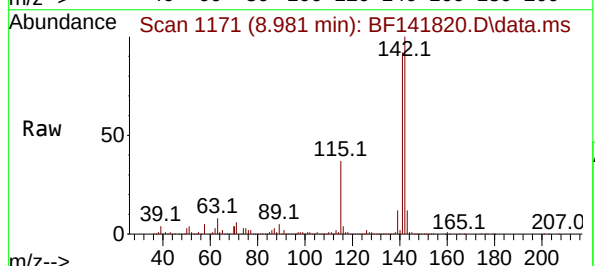
Acq: 03 Mar 2025 18:45

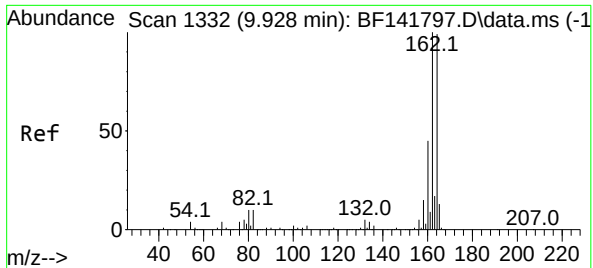
Tgt Ion:142 Resp: 743009

Ion Ratio Lower Upper

142 100

141 91.8 73.1 109.7

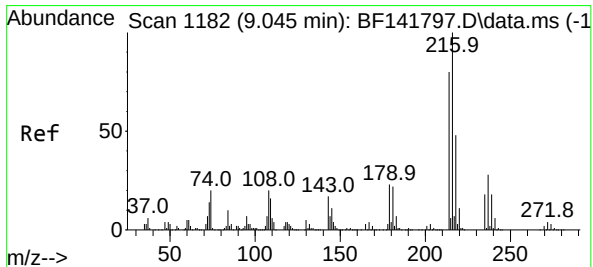
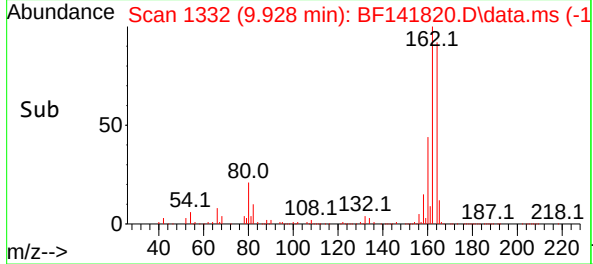
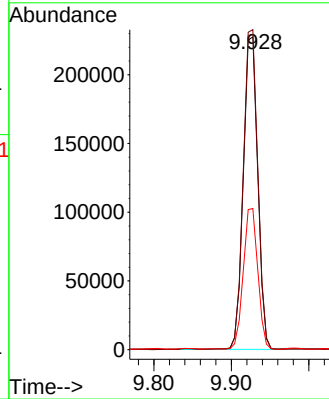
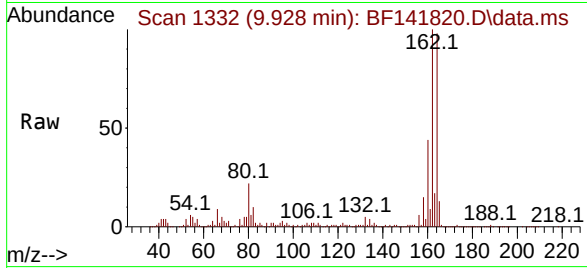




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.928 min Scan# 1182  
Delta R.T. -0.000 min  
Lab File: BF141820.D  
Acq: 03 Mar 2025 18:45

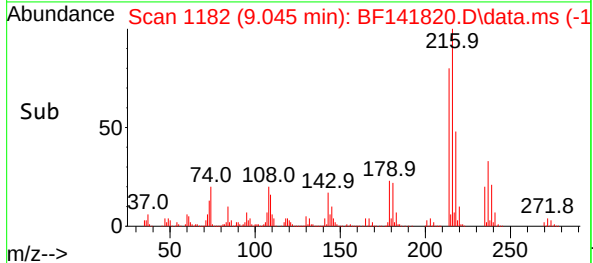
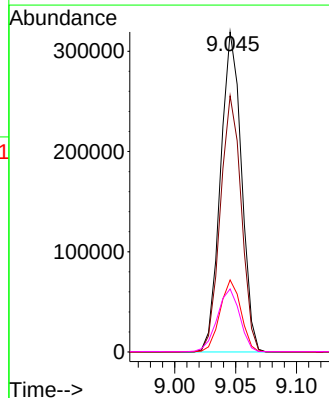
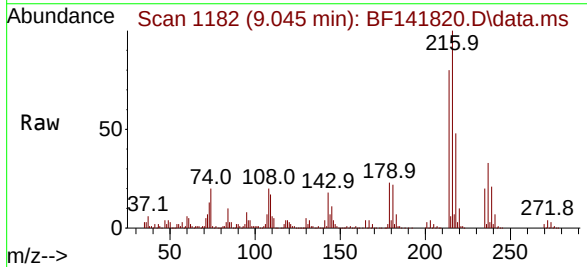
Instrument :  
BNA\_F  
ClientSampleId :  
TR-04-02282025MSD

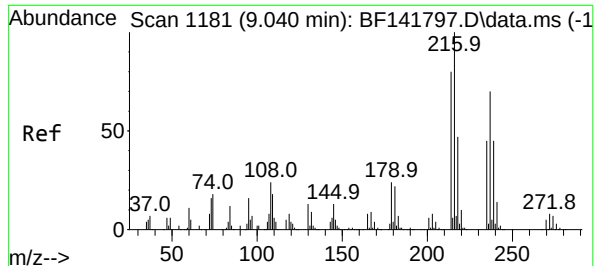
Tgt Ion:164 Resp: 295427  
Ion Ratio Lower Upper  
164 100  
162 102.3 80.6 120.8  
160 45.1 36.3 54.5



#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 44.872 ng  
RT: 9.045 min Scan# 1182  
Delta R.T. 0.000 min  
Lab File: BF141820.D  
Acq: 03 Mar 2025 18:45

Tgt Ion:216 Resp: 382857  
Ion Ratio Lower Upper  
216 100  
214 79.9 63.5 95.3  
179 22.4 18.1 27.1  
108 21.0 16.4 24.6





#41

Hexachlorocyclopentadiene

Concen: 74.660 ng

RT: 9.034 min Scan# 1181

Delta R.T. -0.006 min

Lab File: BF141820.D

Acq: 03 Mar 2025 18:45

Instrument :

BNA\_F

ClientSampleId :

TR-04-02282025MSD

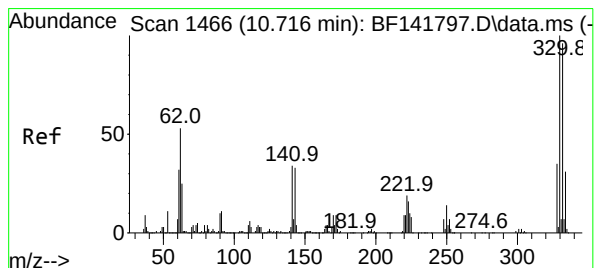
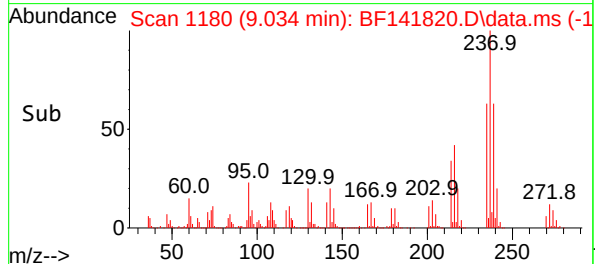
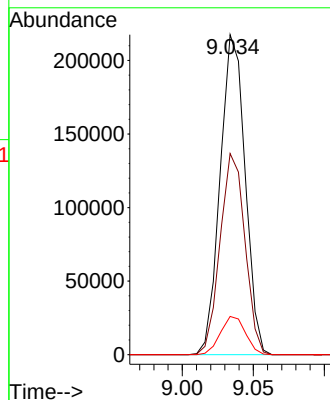
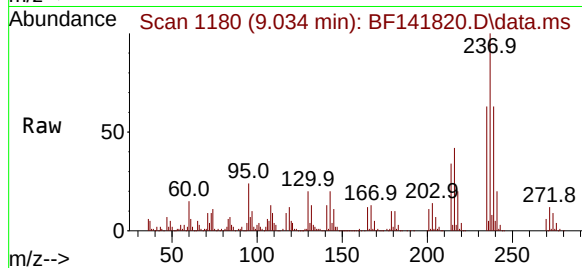
Tgt Ion:237 Resp: 265844

Ion Ratio Lower Upper

237 100

235 62.8 43.3 83.3

272 12.0 0.0 31.9



#42

2,4,6-Tribromophenol

Concen: 136.207 ng

RT: 10.710 min Scan# 1465

Delta R.T. -0.006 min

Lab File: BF141820.D

Acq: 03 Mar 2025 18:45

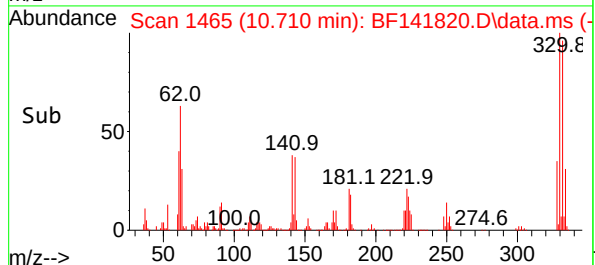
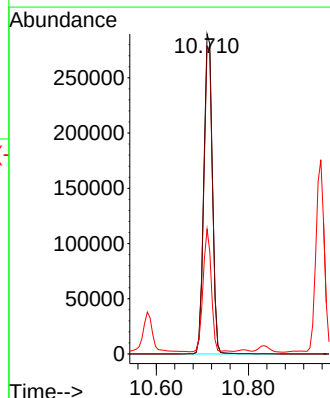
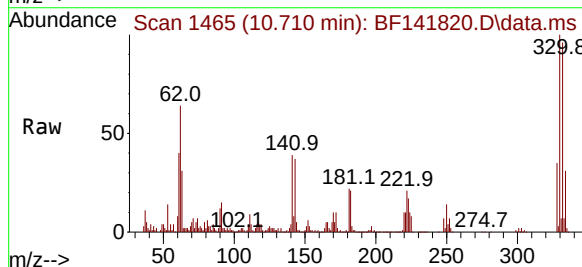
Tgt Ion:330 Resp: 377774

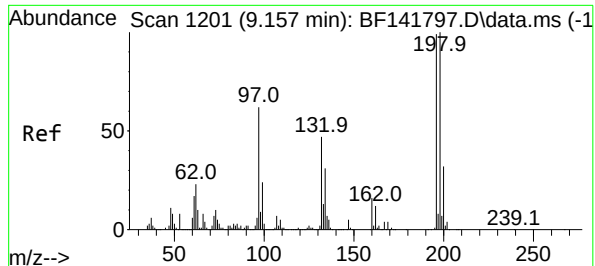
Ion Ratio Lower Upper

330 100

332 96.3 76.6 115.0

141 36.6 29.0 43.4





#43

2,4,6-Trichlorophenol

Concen: 45.681 ng

RT: 9.151 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141820.D

Acq: 03 Mar 2025 18:45

Instrument :

BNA\_F

ClientSampleId :

TR-04-02282025MSD

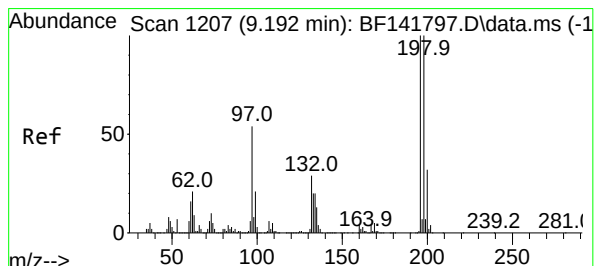
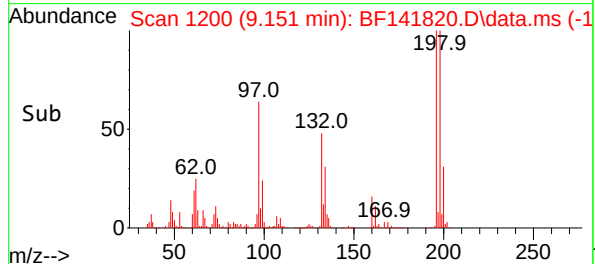
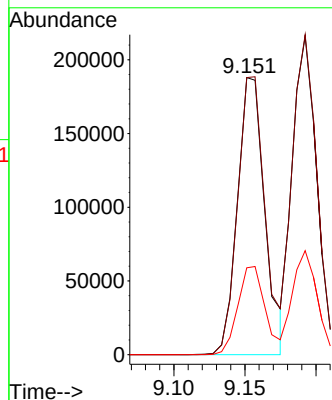
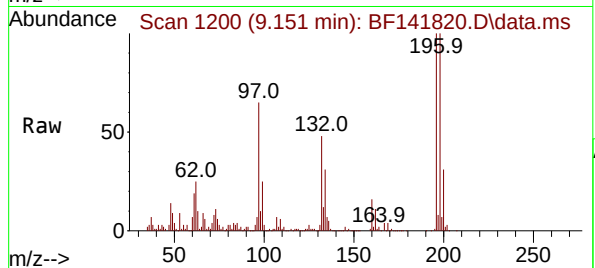
Tgt Ion:196 Resp: 251773

Ion Ratio Lower Upper

196 100

198 100.0 80.4 120.6

200 31.3 25.7 38.5



#44

2,4,5-Trichlorophenol

Concen: 47.662 ng

RT: 9.192 min Scan# 1207

Delta R.T. 0.000 min

Lab File: BF141820.D

Acq: 03 Mar 2025 18:45

Tgt Ion:196 Resp: 260124

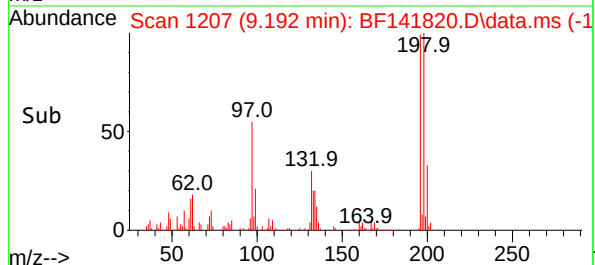
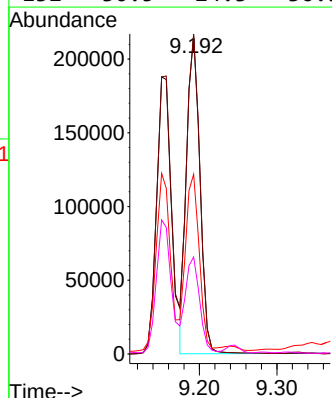
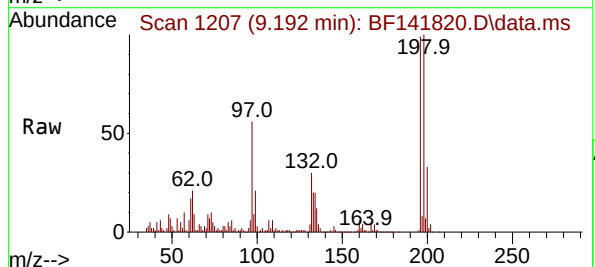
Ion Ratio Lower Upper

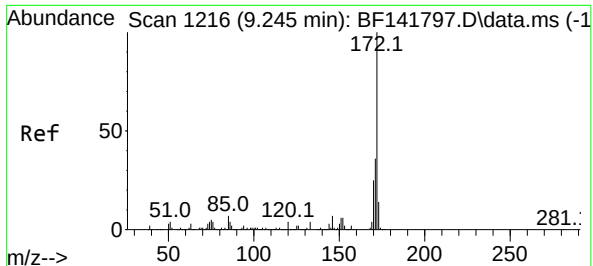
196 100

198 100.6 79.7 119.5

97 56.5 44.2 66.2

132 30.5 24.3 36.5





#45

2-Fluorobiphenyl

Concen: 76.362 ng

RT: 9.245 min Scan# 1216

Delta R.T. -0.000 min

Lab File: BF141820.D

Acq: 03 Mar 2025 18:45

Instrument :

BNA\_F

ClientSampleId :

TR-04-02282025MSD

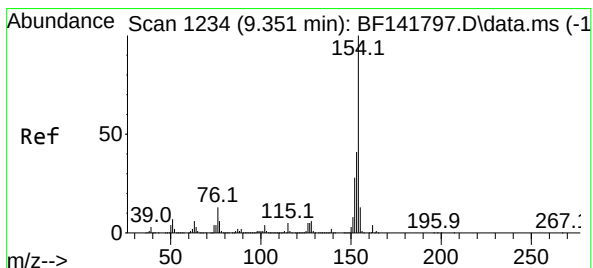
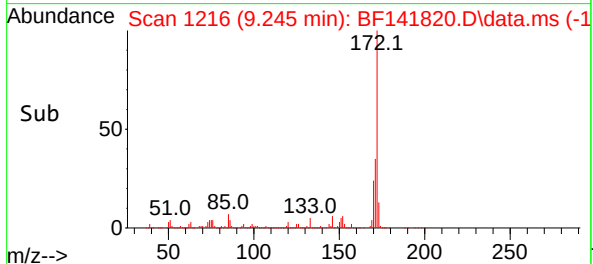
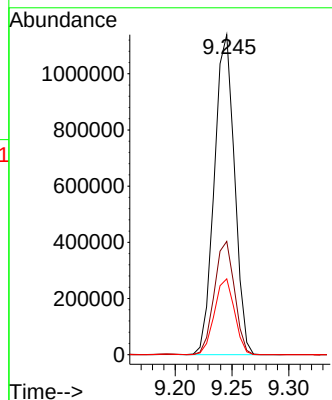
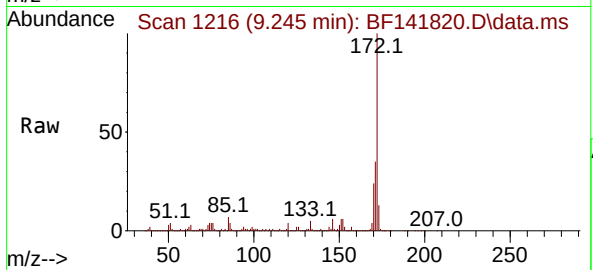
Tgt Ion:172 Resp: 1406930

Ion Ratio Lower Upper

172 100

171 35.4 29.2 43.8

170 23.7 19.7 29.5



#46

1,1'-Biphenyl

Concen: 47.760 ng

RT: 9.345 min Scan# 1233

Delta R.T. -0.006 min

Lab File: BF141820.D

Acq: 03 Mar 2025 18:45

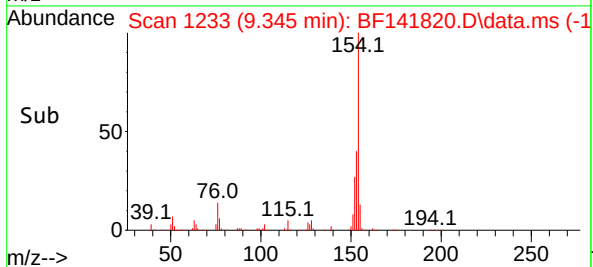
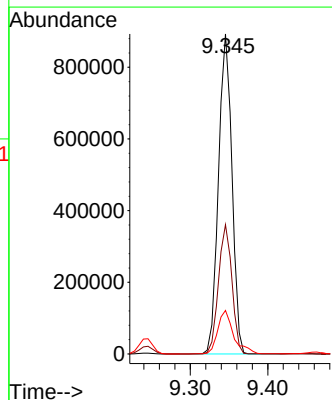
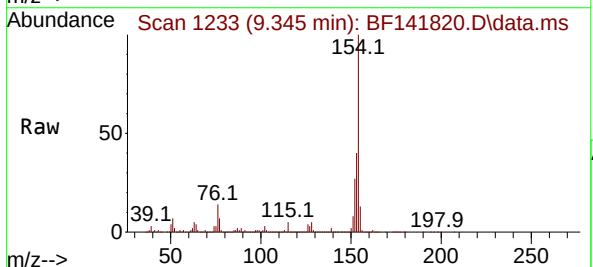
Tgt Ion:154 Resp: 1073962

Ion Ratio Lower Upper

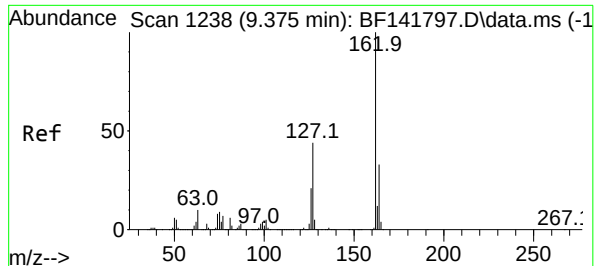
154 100

153 40.4 21.4 61.4

76 13.6 0.0 33.4







#47

2-Chloronaphthalene

Concen: 44.654 ng

RT: 9.369 min Scan# 1237

Delta R.T. -0.006 min

Lab File: BF141820.D

Acq: 03 Mar 2025 18:45

Instrument :

BNA\_F

ClientSampleId :

TR-04-02282025MSD

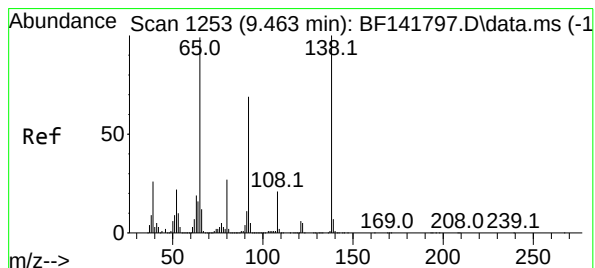
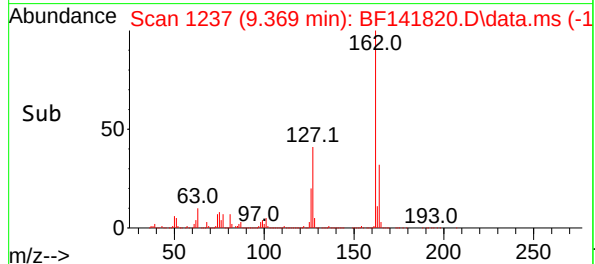
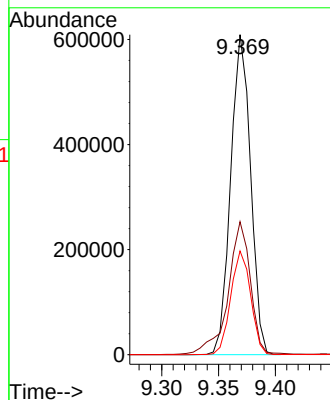
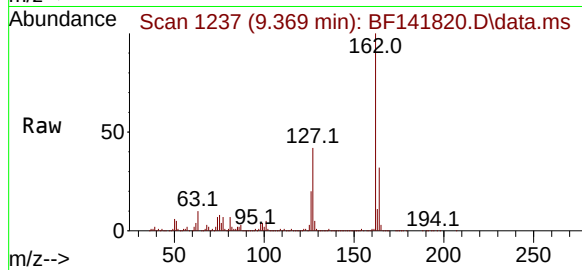
Tgt Ion:162 Resp: 741119

Ion Ratio Lower Upper

162 100

127 41.5 35.0 52.6

164 32.4 26.6 40.0



#48

2-Nitroaniline

Concen: 51.670 ng

RT: 9.463 min Scan# 1253

Delta R.T. 0.000 min

Lab File: BF141820.D

Acq: 03 Mar 2025 18:45

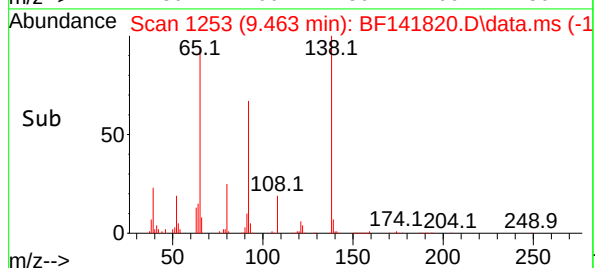
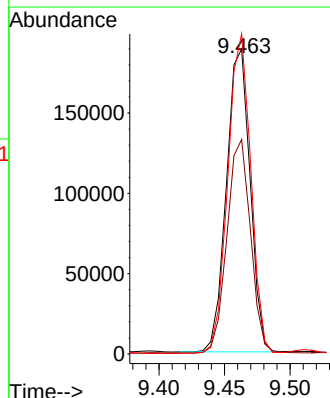
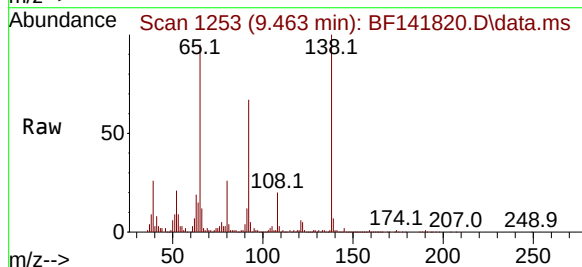
Tgt Ion: 65 Resp: 236394

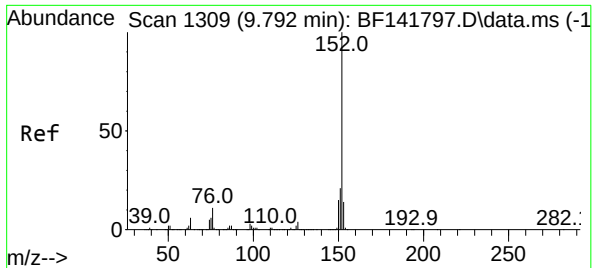
Ion Ratio Lower Upper

65 100

92 70.4 55.7 83.5

138 105.0 80.6 121.0





#49

Acenaphthylene

Concen: 49.525 ng

RT: 9.787 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF141820.D

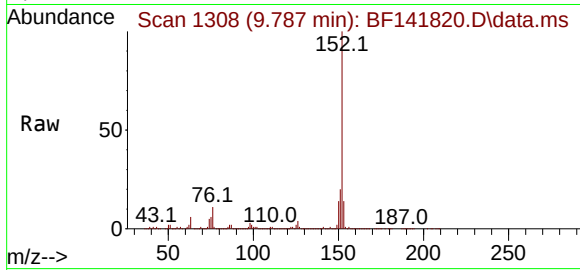
Acq: 03 Mar 2025 18:45

Instrument :

BNA\_F

ClientSampleId :

TR-04-02282025MSD



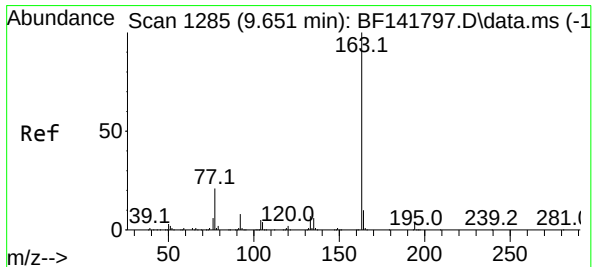
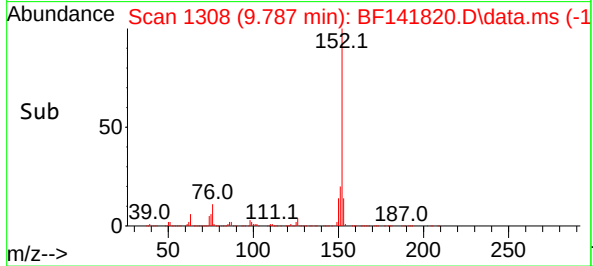
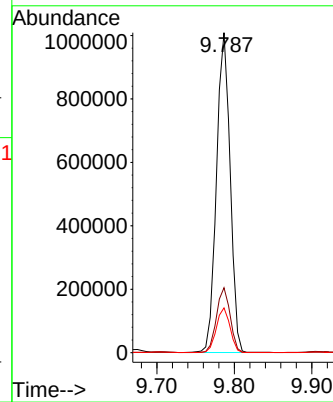
Tgt Ion:152 Resp: 1232367

Ion Ratio Lower Upper

152 100

151 20.3 16.6 24.8

153 14.0 11.2 16.8



#50

Dimethylphthalate

Concen: 43.980 ng

RT: 9.645 min Scan# 1284

Delta R.T. -0.006 min

Lab File: BF141820.D

Acq: 03 Mar 2025 18:45

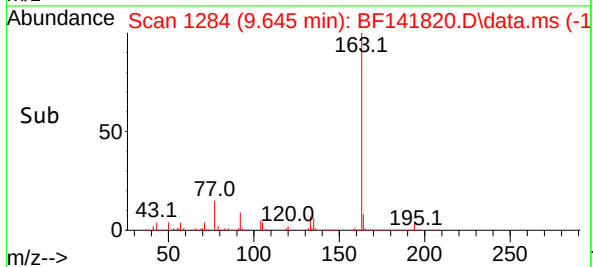
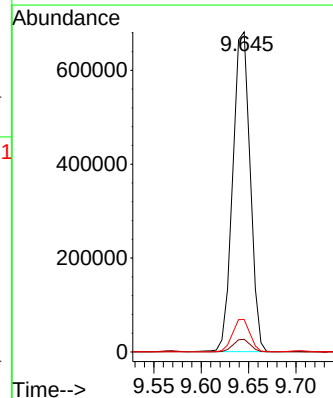
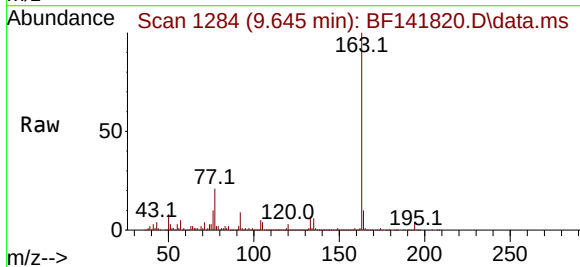
Tgt Ion:163 Resp: 870106

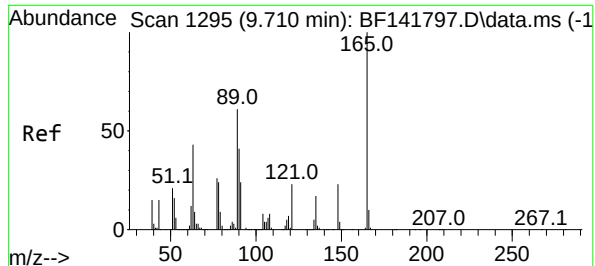
Ion Ratio Lower Upper

163 100

194 4.0 3.1 4.7

164 10.1 8.4 12.6





#51

2,6-Dinitrotoluene

Concen: 50.087 ng

RT: 9.704 min Scan# 1295

Delta R.T. -0.006 min

Lab File: BF141820.D

Acq: 03 Mar 2025 18:45

Instrument :

BNA\_F

ClientSampleId :

TR-04-02282025MSD

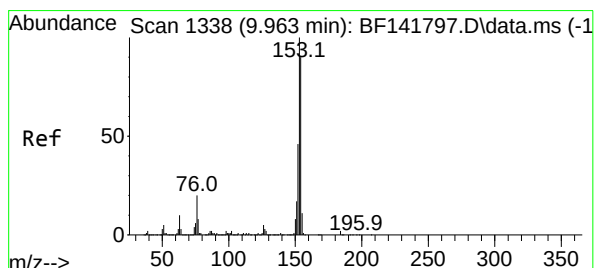
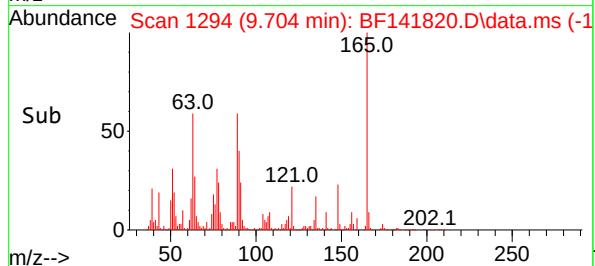
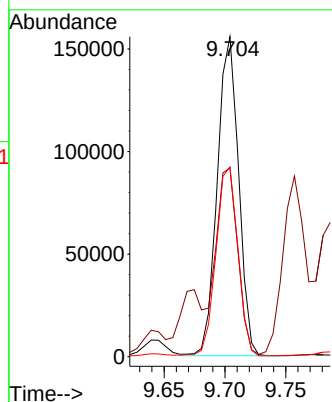
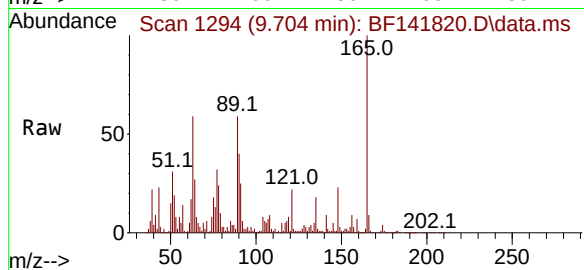
Tgt Ion:165 Resp: 190057

Ion Ratio Lower Upper

165 100

63 59.0 49.5 74.3

89 59.3 49.0 73.4



#52

Acenaphthene

Concen: 63.653 ng

RT: 9.957 min Scan# 1337

Delta R.T. -0.006 min

Lab File: BF141820.D

Acq: 03 Mar 2025 18:45

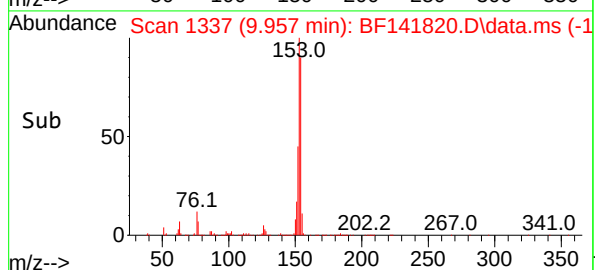
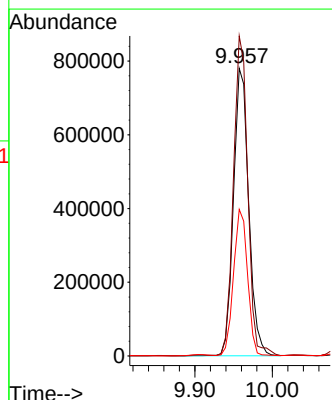
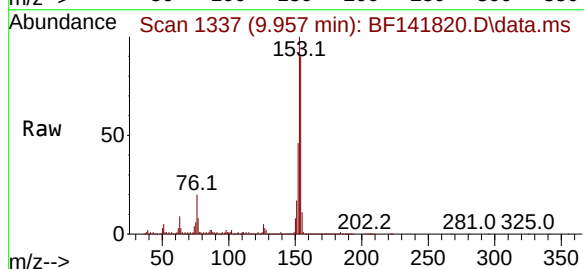
Tgt Ion:154 Resp: 1068759

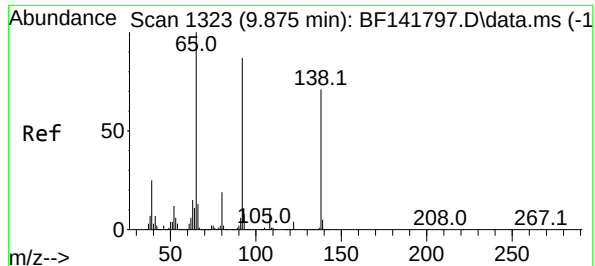
Ion Ratio Lower Upper

154 100

153 111.3 88.7 133.1

152 51.0 40.9 61.3





#53

3-Nitroaniline

Concen: 40.874 ng

RT: 9.869 min Scan# 1322

Delta R.T. -0.006 min

Lab File: BF141820.D

Acq: 03 Mar 2025 18:45

Instrument :

BNA\_F

ClientSampleId :

TR-04-02282025MSD

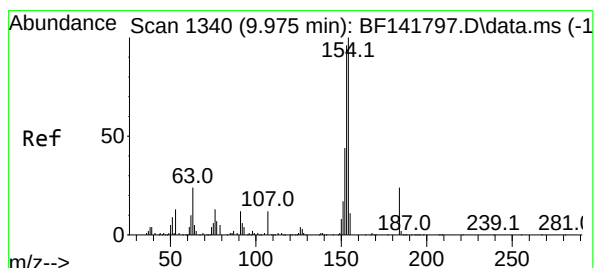
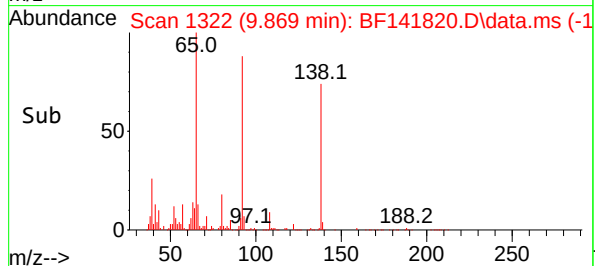
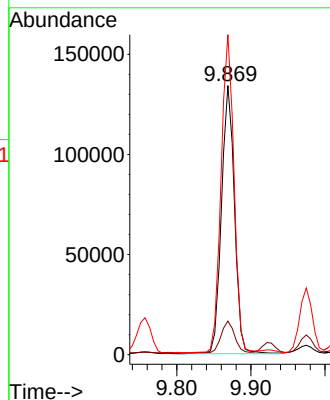
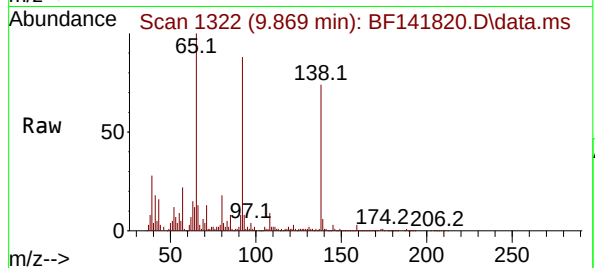
Tgt Ion:138 Resp: 162885

Ion Ratio Lower Upper

138 100

108 12.5 12.7 19.1#

92 118.9 97.9 146.9



#54

2,4-Dinitrophenol

Concen: 81.667 ng

RT: 9.975 min Scan# 1340

Delta R.T. -0.000 min

Lab File: BF141820.D

Acq: 03 Mar 2025 18:45

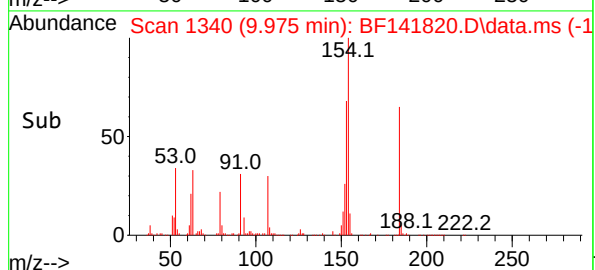
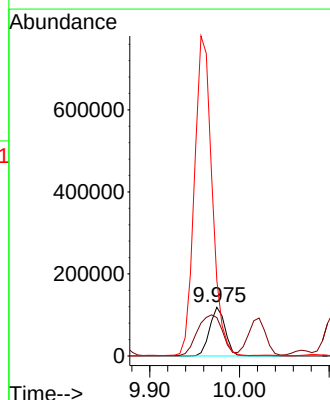
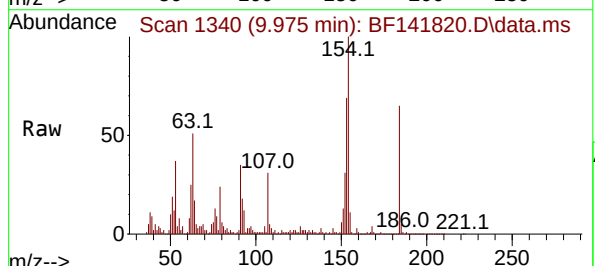
Tgt Ion:184 Resp: 142970

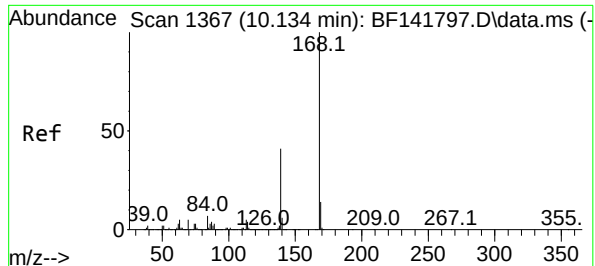
Ion Ratio Lower Upper

184 100

63 78.9 79.0 118.6#

154 155.0 335.8 503.8#





#55

Dibenzofuran

Concen: 52.050 ng

RT: 10.134 min Scan# 1367

Delta R.T. -0.000 min

Lab File: BF141820.D

Acq: 03 Mar 2025 18:45

Instrument :

BNA\_F

ClientSampleId :

TR-04-02282025MSD

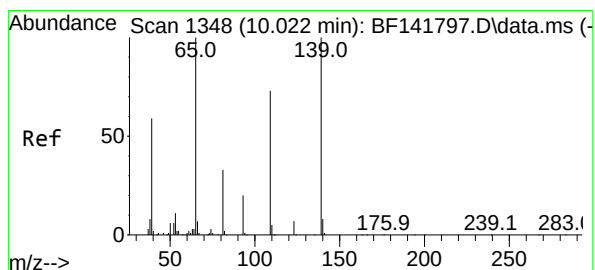
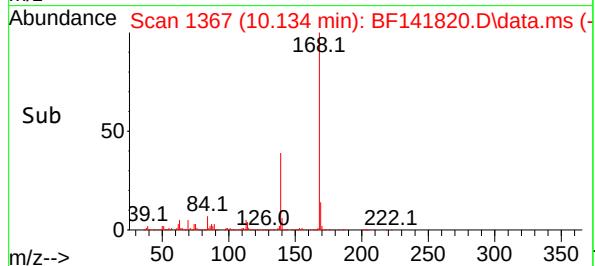
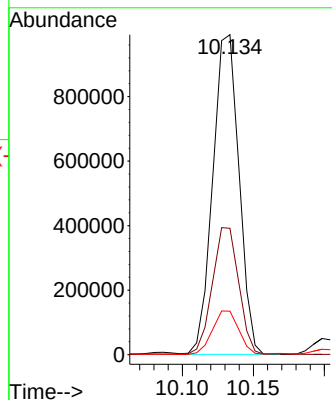
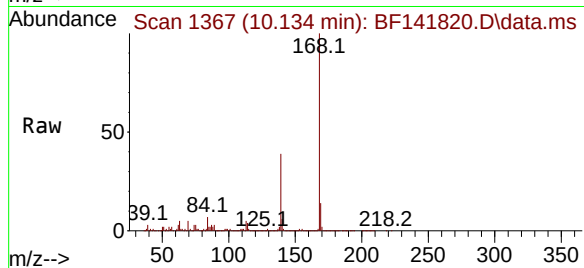
Tgt Ion:168 Resp: 1272025

Ion Ratio Lower Upper

168 100

139 39.5 32.9 49.3

169 13.6 11.1 16.7



#56

4-Nitrophenol

Concen: 139.909 ng

RT: 10.022 min Scan# 1348

Delta R.T. -0.000 min

Lab File: BF141820.D

Acq: 03 Mar 2025 18:45

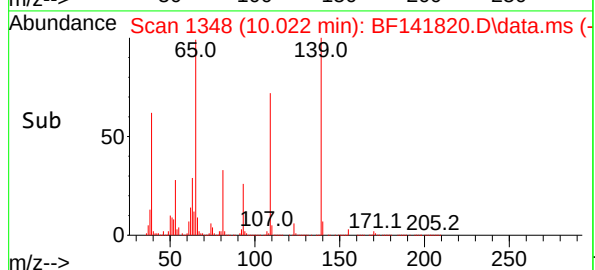
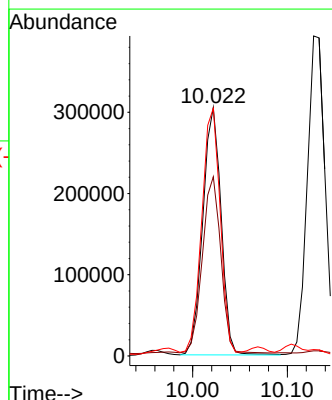
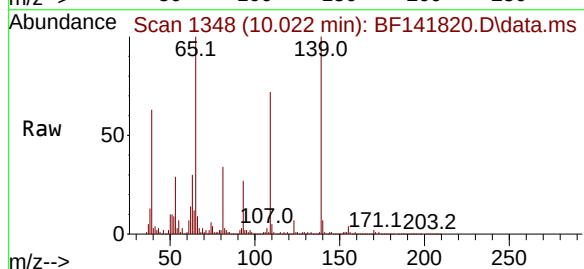
Tgt Ion:139 Resp: 408817

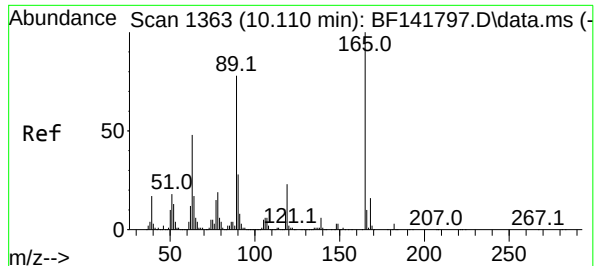
Ion Ratio Lower Upper

139 100

109 72.1 53.4 93.4

65 99.7 82.1 122.1





#57

2,4-Dinitrotoluene

Concen: 58.400 ng

RT: 10.104 min Scan# 1362

Delta R.T. -0.006 min

Lab File: BF141820.D

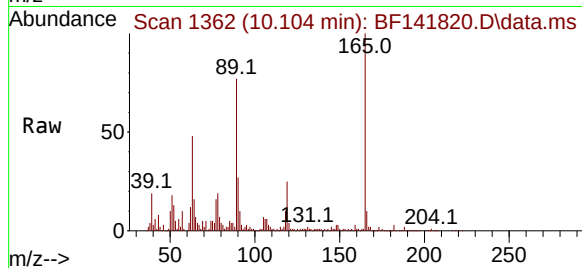
Acq: 03 Mar 2025 18:45

Instrument :

BNA\_F

ClientSampleId :

TR-04-02282025MSD



Tgt Ion:165 Resp: 273781

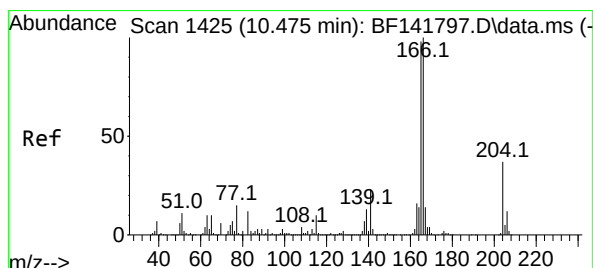
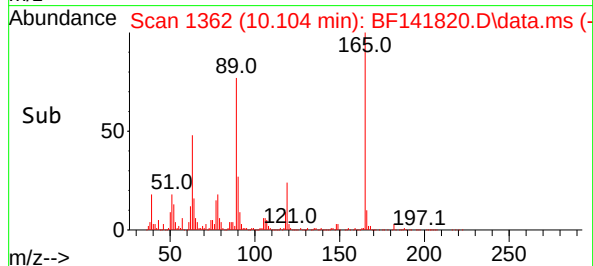
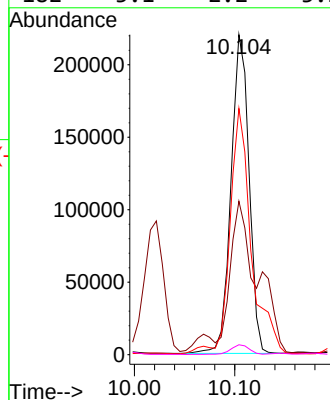
Ion Ratio Lower Upper

165 100

63 48.0 38.8 58.2

89 77.0 62.6 94.0

182 3.1 2.2 3.2



#58

Fluorene

Concen: 64.850 ng

RT: 10.475 min Scan# 1425

Delta R.T. -0.000 min

Lab File: BF141820.D

Acq: 03 Mar 2025 18:45

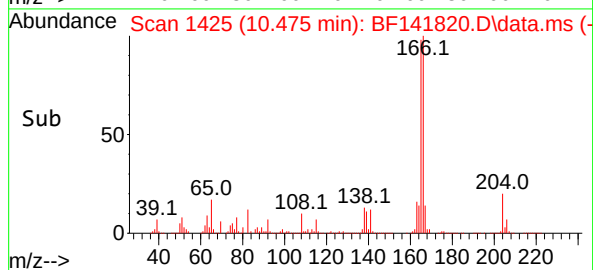
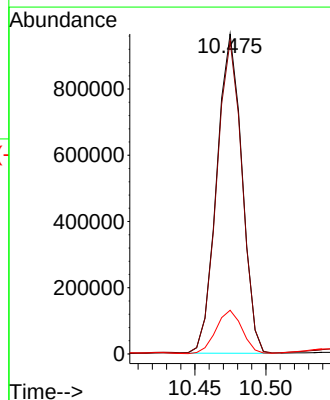
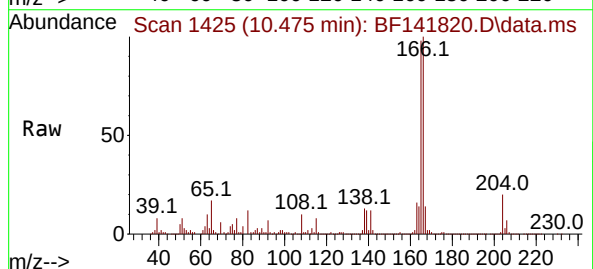
Tgt Ion:166 Resp: 1187140

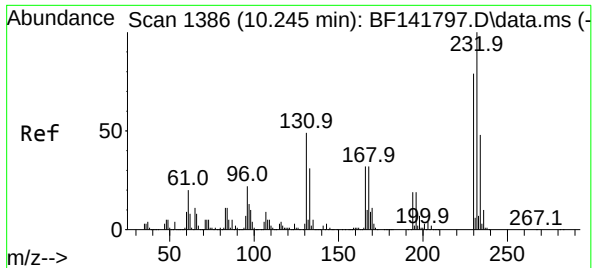
Ion Ratio Lower Upper

166 100

165 97.9 78.6 117.8

167 13.7 11.0 16.4

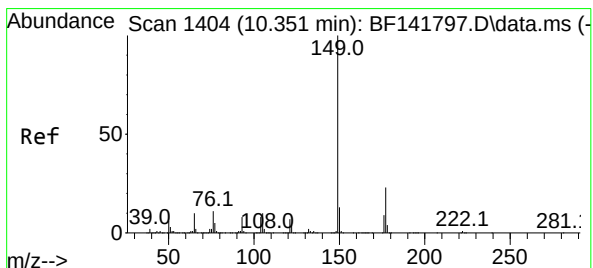
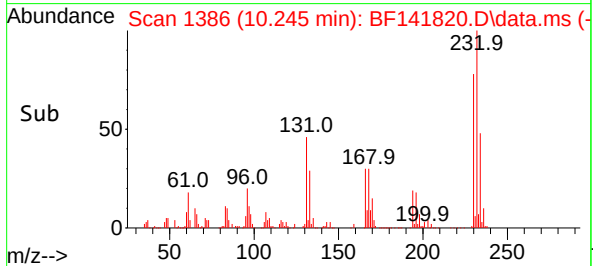
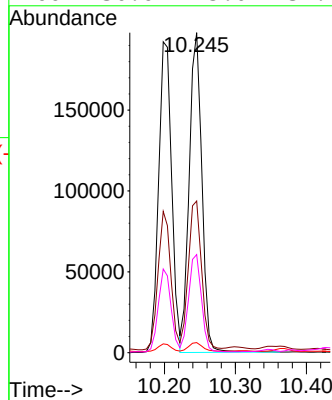
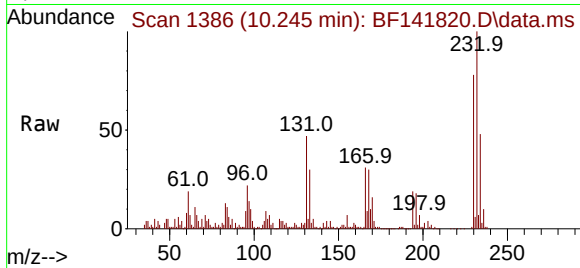




#59  
2,3,4,6-Tetrachlorophenol  
Concen: 51.602 ng  
RT: 10.245 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BF141820.D  
Acq: 03 Mar 2025 18:45

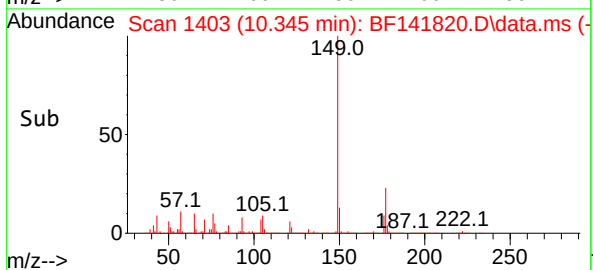
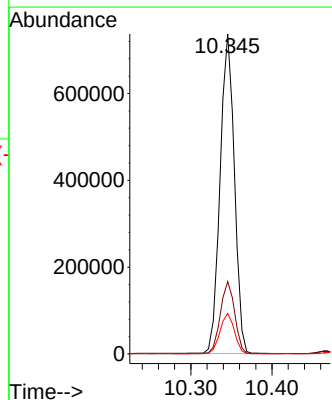
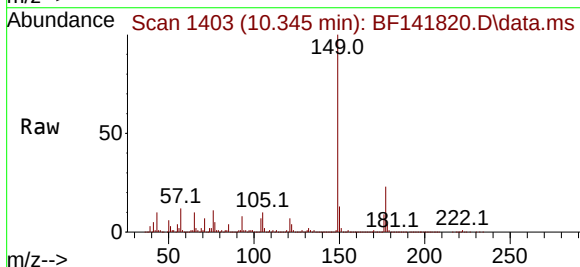
Instrument :  
BNA\_F  
ClientSampleId :  
TR-04-02282025MSD

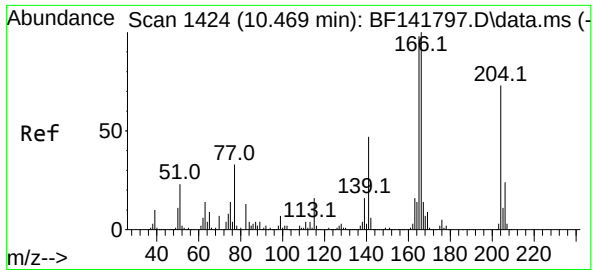
Tgt Ion:232 Resp: 244933  
Ion Ratio Lower Upper  
232 100  
131 47.6 37.8 56.8  
130 2.9 2.0 3.0  
166 30.6 25.0 37.4



#60  
Diethylphthalate  
Concen: 45.413 ng  
RT: 10.345 min Scan# 1403  
Delta R.T. -0.006 min  
Lab File: BF141820.D  
Acq: 03 Mar 2025 18:45

Tgt Ion:149 Resp: 900702  
Ion Ratio Lower Upper  
149 100  
177 22.6 18.3 27.5  
150 12.7 10.3 15.5

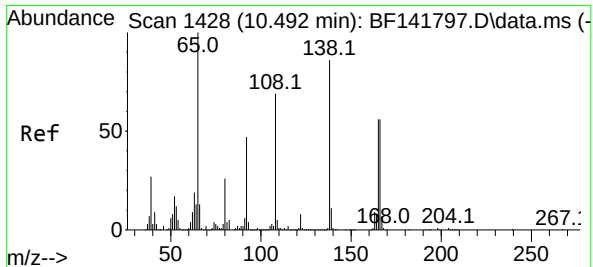
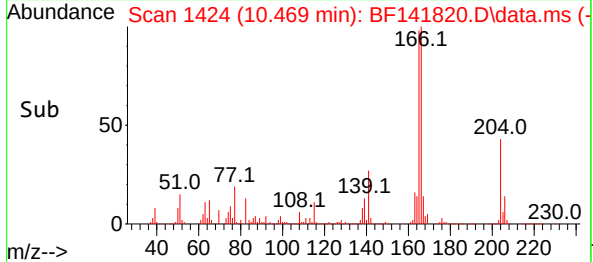
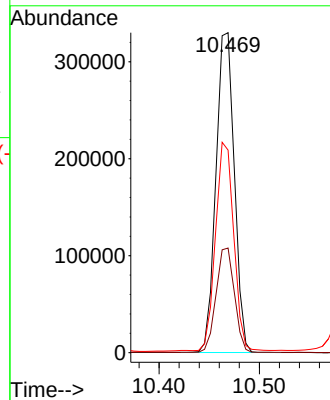
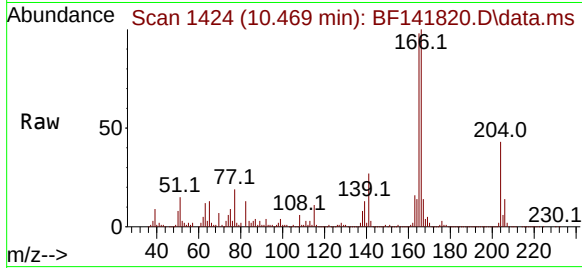




#61  
4-Chlorophenyl-phenylether  
Concen: 45.777 ng  
RT: 10.469 min Scan# 1424  
Delta R.T. -0.000 min  
Lab File: BF141820.D  
Acq: 03 Mar 2025 18:45

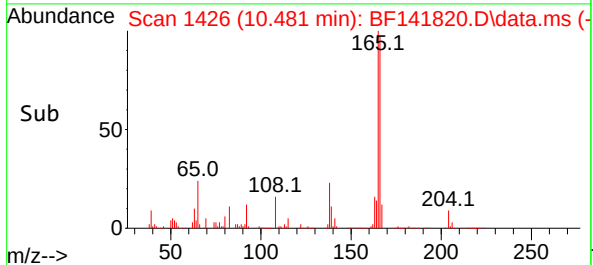
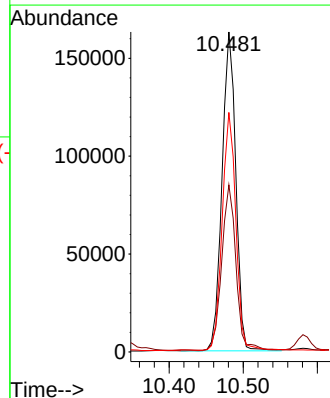
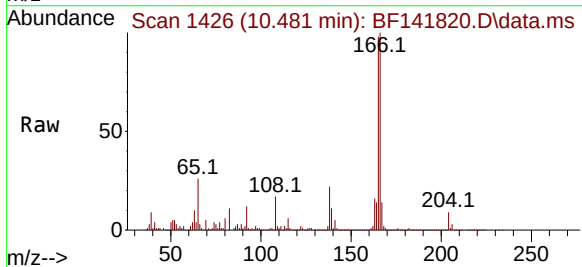
Instrument :  
BNA\_F  
ClientSampleId :  
TR-04-02282025MSD

| Tgt Ion: | 204   | Resp: | 419858 |
|----------|-------|-------|--------|
| Ion      | Ratio | Lower | Upper  |
| 204      | 100   |       |        |
| 206      | 32.7  | 26.2  | 39.4   |
| 141      | 63.3  | 51.7  | 77.5   |

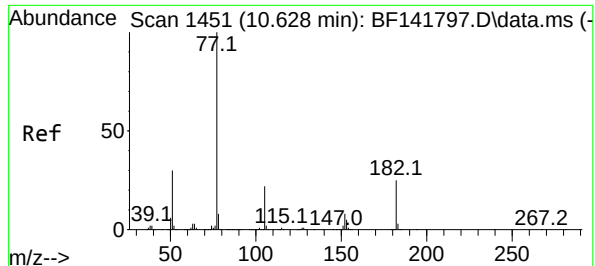


#62  
4-Nitroaniline  
Concen: 62.328 ng  
RT: 10.481 min Scan# 1426  
Delta R.T. -0.012 min  
Lab File: BF141820.D  
Acq: 03 Mar 2025 18:45

| Tgt Ion: | 138   | Resp: | 210583 |
|----------|-------|-------|--------|
| Ion      | Ratio | Lower | Upper  |
| 138      | 100   |       |        |
| 92       | 52.2  | 34.9  | 74.9   |
| 108      | 74.8  | 59.6  | 99.6   |



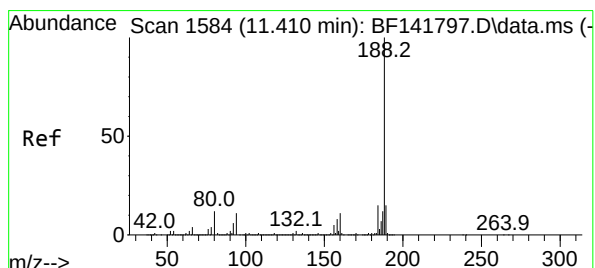
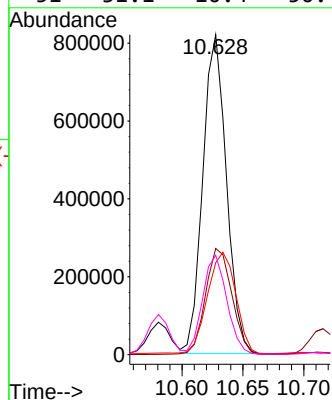
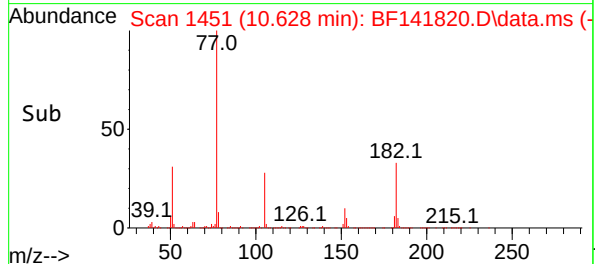
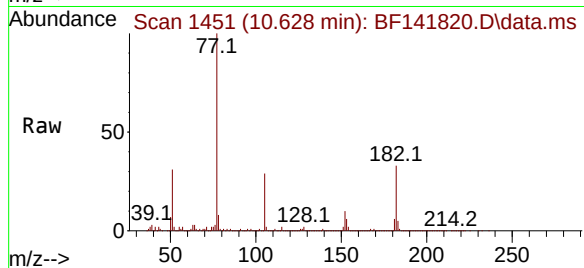




#63  
Azobenzene  
Concen: 52.953 ng  
RT: 10.628 min Scan# 1451  
Delta R.T. 0.000 min  
Lab File: BF141820.D  
Acq: 03 Mar 2025 18:45

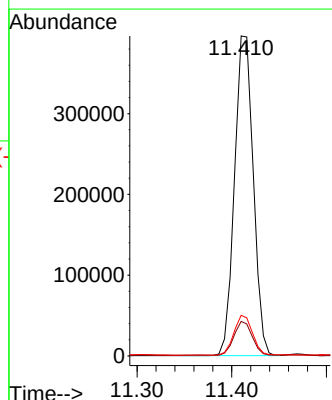
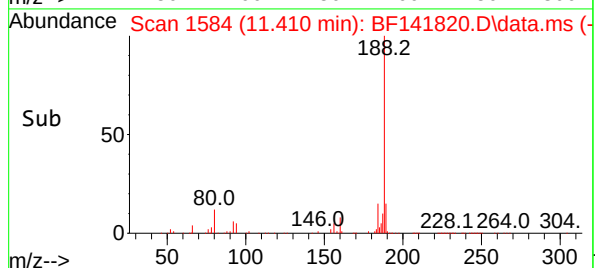
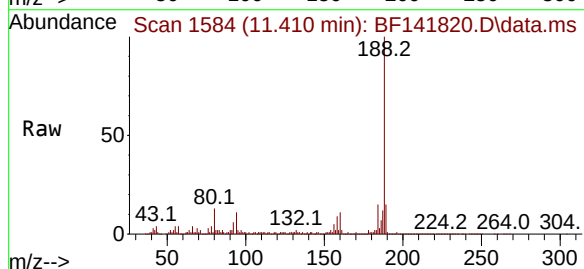
Instrument :  
BNA\_F  
ClientSampleId :  
TR-04-02282025MSD

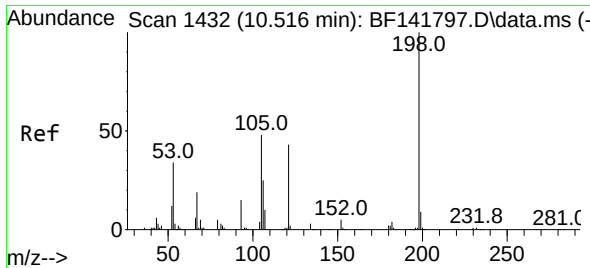
Tgt Ion: 77 Resp: 1105808  
Ion Ratio Lower Upper  
77 100  
182 33.2 4.2 44.2  
105 28.8 1.5 41.5  
51 31.1 10.4 50.4



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.410 min Scan# 1584  
Delta R.T. -0.000 min  
Lab File: BF141820.D  
Acq: 03 Mar 2025 18:45

Tgt Ion: 188 Resp: 545054  
Ion Ratio Lower Upper  
188 100  
94 10.8 8.9 13.3  
80 12.7 9.7 14.5

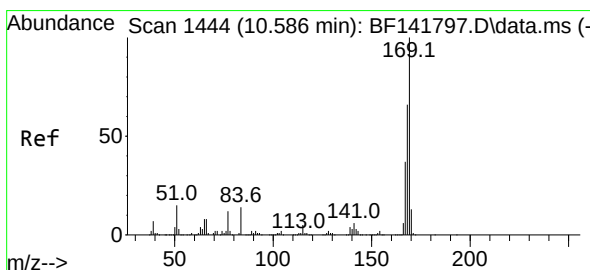
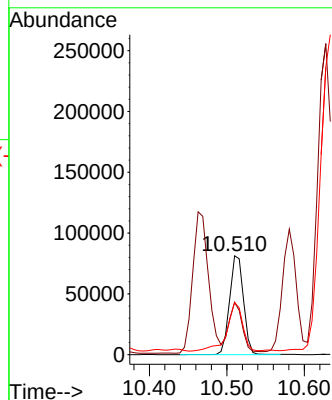
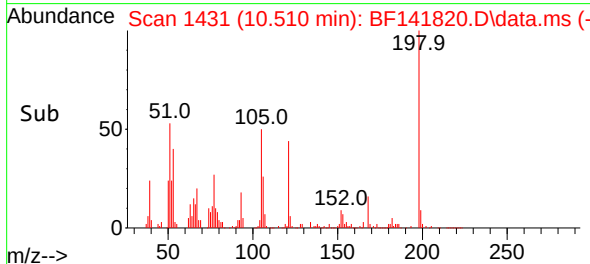
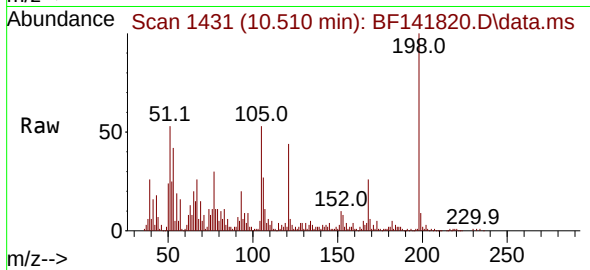




#65  
4,6-Dinitro-2-methylphenol  
Concen: 41.155 ng  
RT: 10.510 min Scan# 1431  
Delta R.T. -0.006 min  
Lab File: BF141820.D  
Acq: 03 Mar 2025 18:45

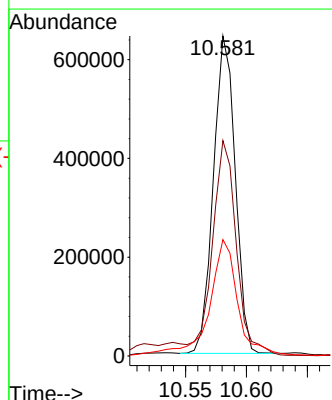
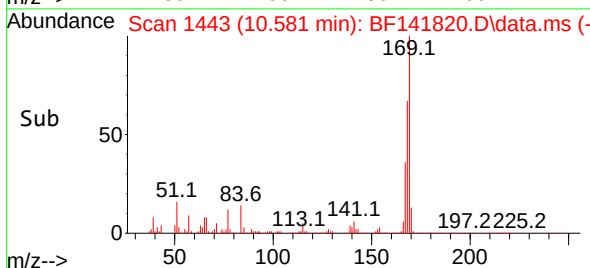
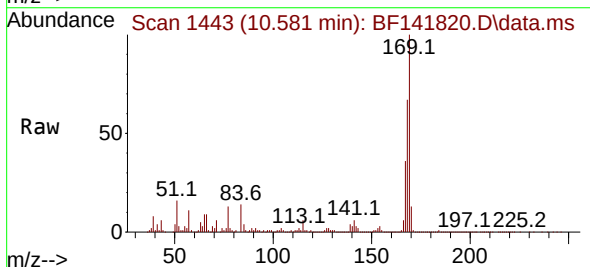
Instrument :  
BNA\_F  
ClientSampleId :  
TR-04-02282025MSD

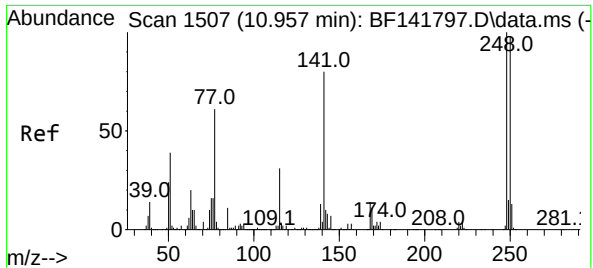
Tgt Ion:198 Resp: 102050  
Ion Ratio Lower Upper  
198 100  
51 52.9 32.1 72.1  
105 52.9 28.5 68.5



#66  
n-Nitrosodiphenylamine  
Concen: 44.853 ng  
RT: 10.581 min Scan# 1443  
Delta R.T. -0.006 min  
Lab File: BF141820.D  
Acq: 03 Mar 2025 18:45

Tgt Ion:169 Resp: 802757  
Ion Ratio Lower Upper  
169 100  
168 67.3 53.0 79.6  
167 36.4 29.3 43.9

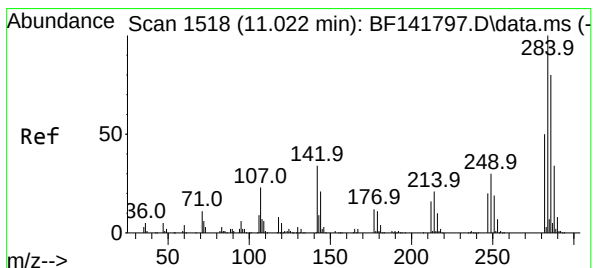
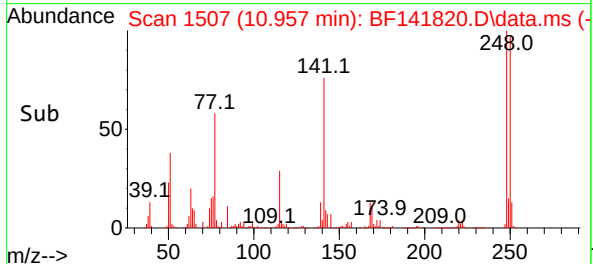
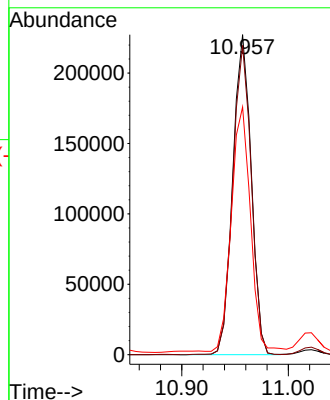
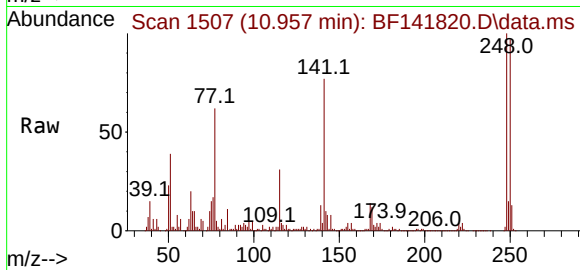




#67  
4-Bromophenyl-phenylether  
Concen: 43.092 ng  
RT: 10.957 min Scan# 1507  
Delta R.T. -0.000 min  
Lab File: BF141820.D  
Acq: 03 Mar 2025 18:45

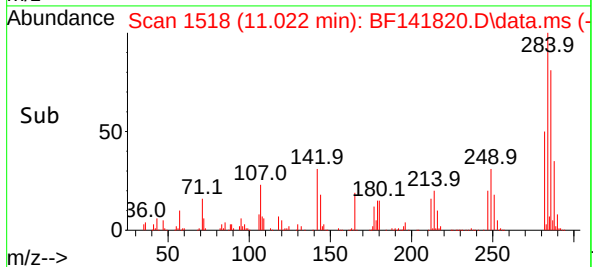
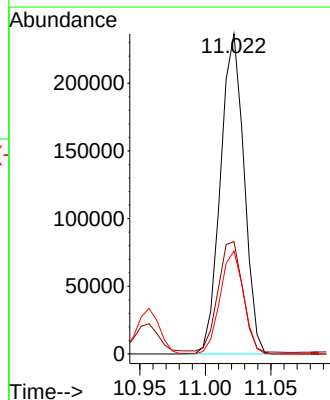
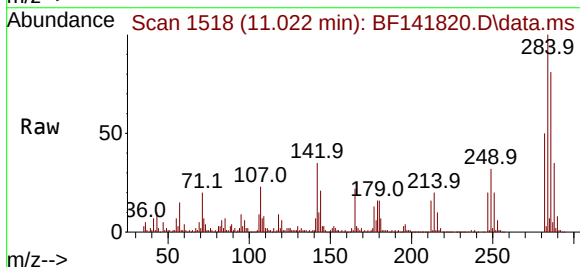
Instrument :  
BNA\_F  
ClientSampleId :  
TR-04-02282025MSD

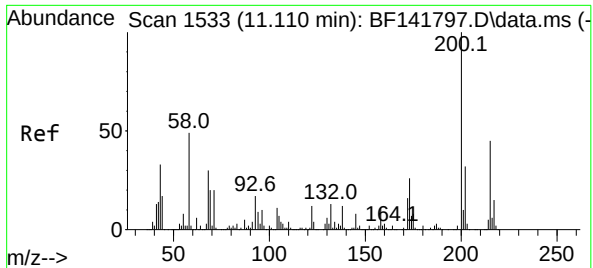
Tgt Ion:248 Resp: 274340  
Ion Ratio Lower Upper  
248 100  
250 96.6 78.1 117.1  
141 77.4 64.3 96.5



#68  
Hexachlorobenzene  
Concen: 43.830 ng  
RT: 11.022 min Scan# 1518  
Delta R.T. -0.000 min  
Lab File: BF141820.D  
Acq: 03 Mar 2025 18:45

Tgt Ion:284 Resp: 294663  
Ion Ratio Lower Upper  
284 100  
142 35.1 28.2 42.2  
249 32.2 25.5 38.3





#69

Atrazine

Concen: 63.618 ng

RT: 11.110 min Scan# 1533

Delta R.T. -0.000 min

Lab File: BF141820.D

Acq: 03 Mar 2025 18:45

Instrument :

BNA\_F

ClientSampleId :

TR-04-02282025MSD

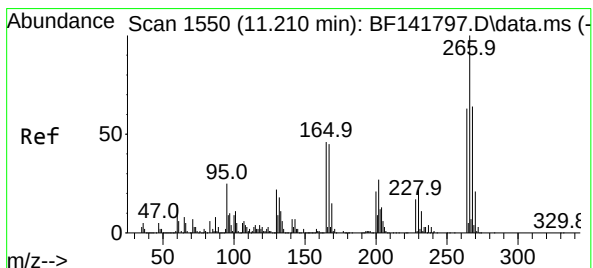
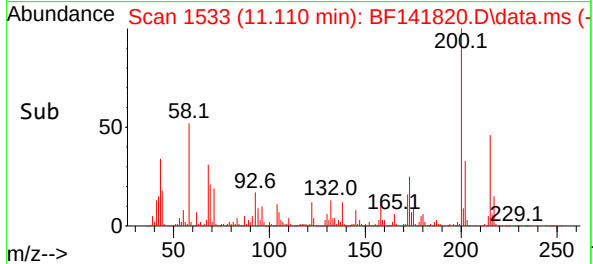
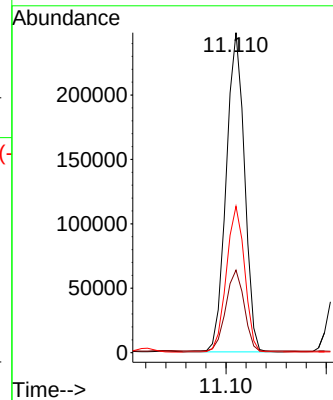
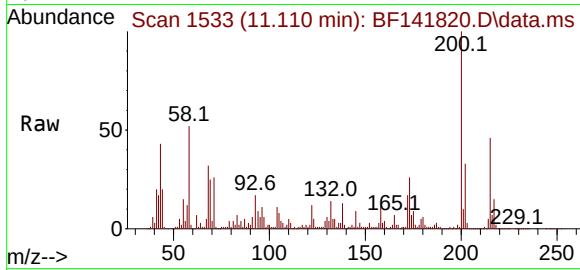
Tgt Ion:200 Resp: 313116

Ion Ratio Lower Upper

200 100

173 25.8 5.6 45.6

215 45.7 25.3 65.3



#70

Pentachlorophenol

Concen: 92.439 ng

RT: 11.216 min Scan# 1551

Delta R.T. 0.006 min

Lab File: BF141820.D

Acq: 03 Mar 2025 18:45

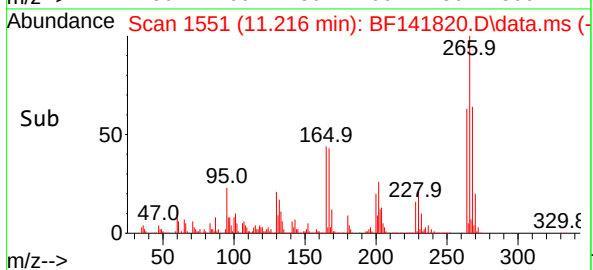
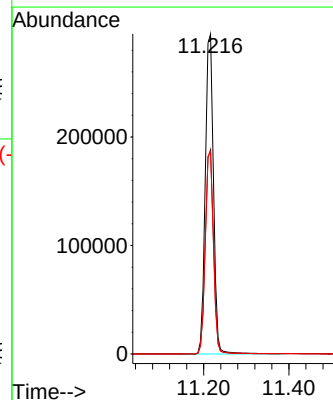
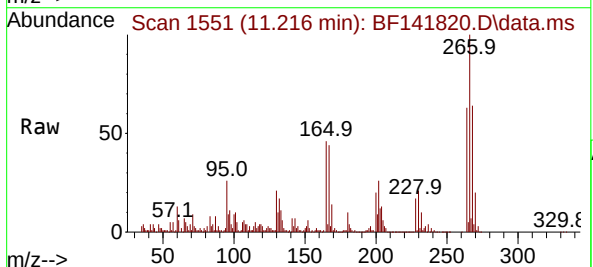
Tgt Ion:266 Resp: 394143

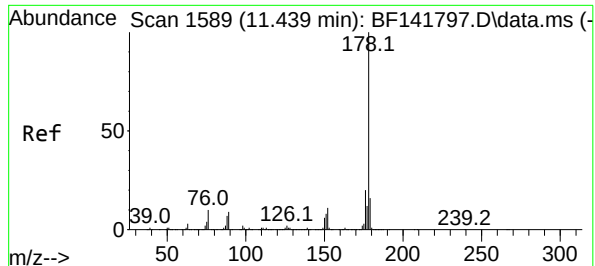
Ion Ratio Lower Upper

266 100

268 63.9 50.9 76.3

264 63.1 50.2 75.4





#71

Phenanthrene

Concen: 132.626 ng

RT: 11.439 min Scan# 1589

Delta R.T. -0.000 min

Lab File: BF141820.D

Acq: 03 Mar 2025 18:45

Instrument :

BNA\_F

ClientSampleId :

TR-04-02282025MSD

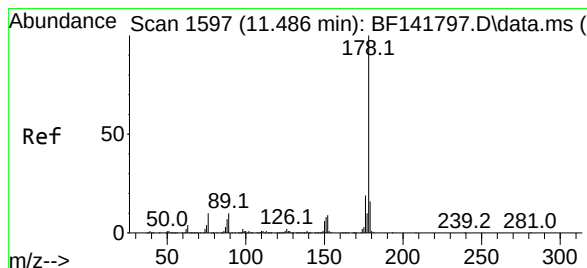
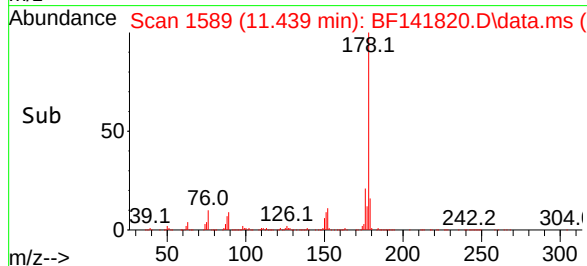
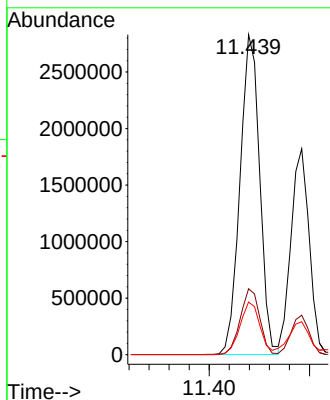
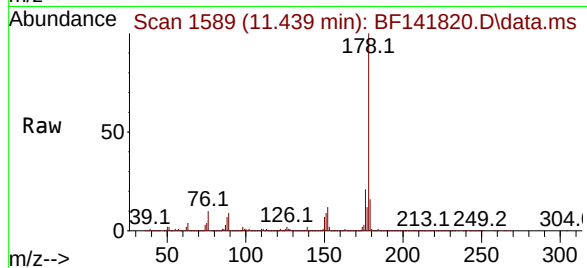
Tgt Ion:178 Resp: 3866700

Ion Ratio Lower Upper

178 100

176 20.6 16.0 24.0

179 16.5 12.6 19.0



#72

Anthracene

Concen: 78.562 ng

RT: 11.492 min Scan# 1598

Delta R.T. 0.006 min

Lab File: BF141820.D

Acq: 03 Mar 2025 18:45

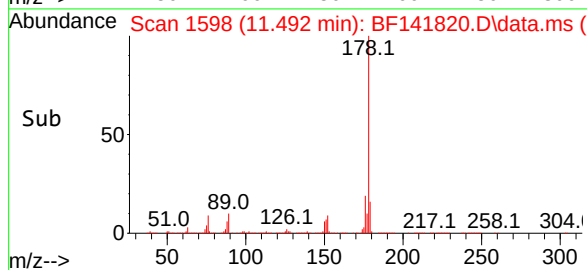
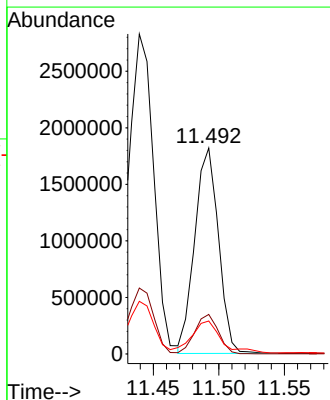
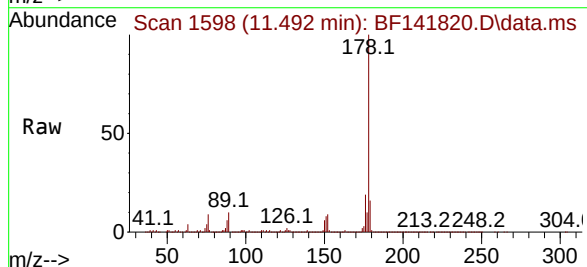
Tgt Ion:178 Resp: 2295577

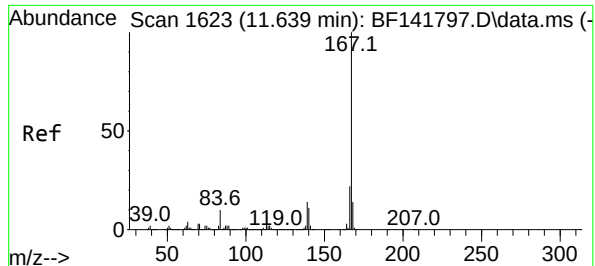
Ion Ratio Lower Upper

178 100

176 19.2 15.4 23.0

179 16.0 12.8 19.2





#73

Carbazole

Concen: 65.715 ng

RT: 11.639 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF141820.D

Acq: 03 Mar 2025 18:45

Instrument :

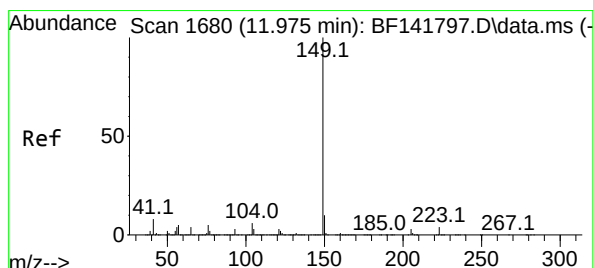
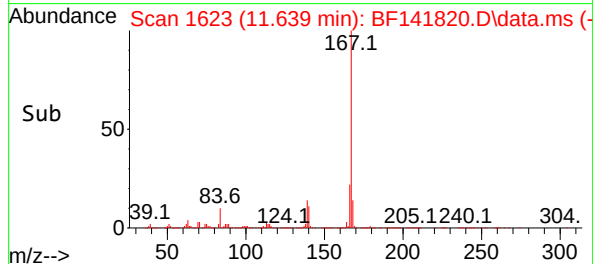
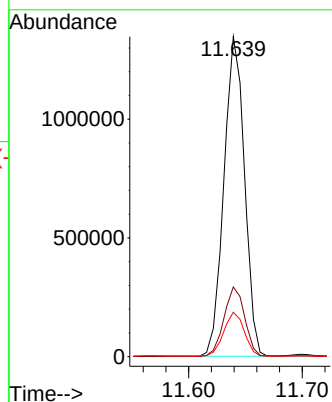
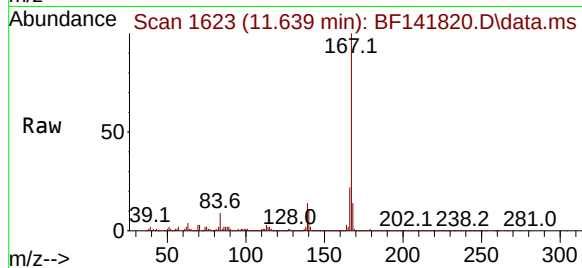
BNA\_F

ClientSampleId :

TR-04-02282025MSD

Tgt Ion:167 Resp: 1695666

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 167 | 100   |       |       |
| 166 | 21.8  | 17.5  | 26.3  |
| 139 | 13.9  | 11.3  | 16.9  |



#74

Di-n-butylphthalate

Concen: 46.931 ng

RT: 11.975 min Scan# 1680

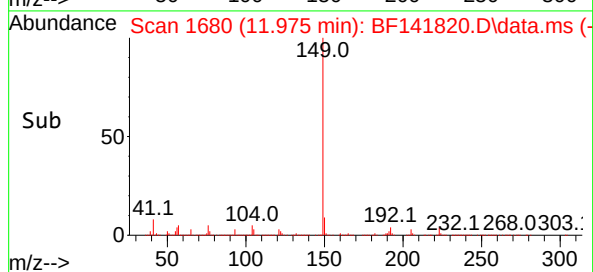
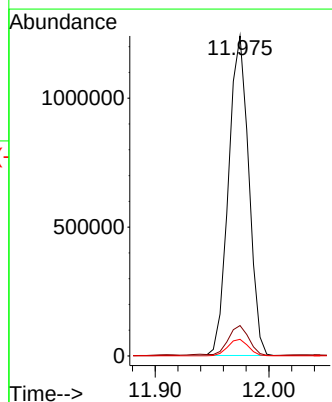
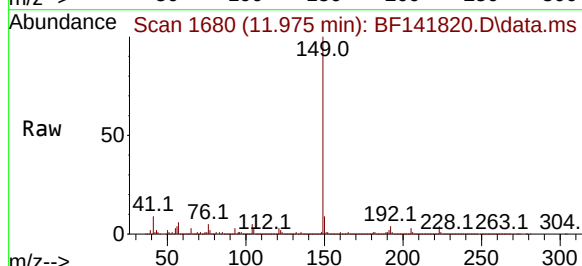
Delta R.T. -0.000 min

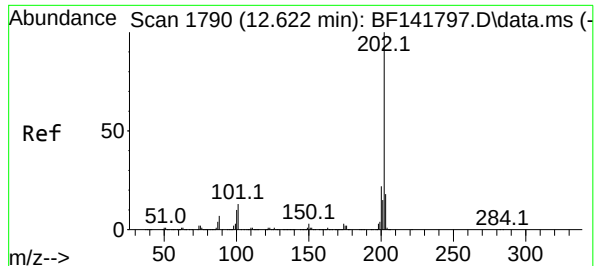
Lab File: BF141820.D

Acq: 03 Mar 2025 18:45

Tgt Ion:149 Resp: 1535009

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 150 | 9.5   | 7.7   | 11.5  |
| 104 | 5.2   | 4.4   | 6.6   |





#75

Fluoranthene

Concen: 152.425 ng

RT: 12.633 min Scan# 1

Delta R.T. 0.012 min

Lab File: BF141820.D

Acq: 03 Mar 2025 18:45

Instrument :

BNA\_F

ClientSampleId :

TR-04-02282025MSD

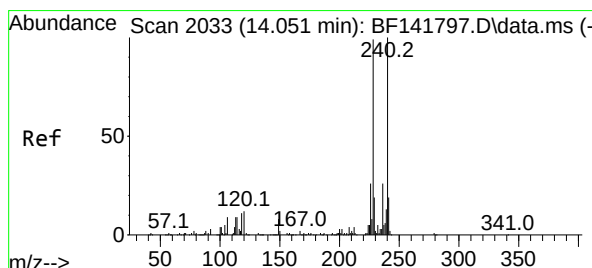
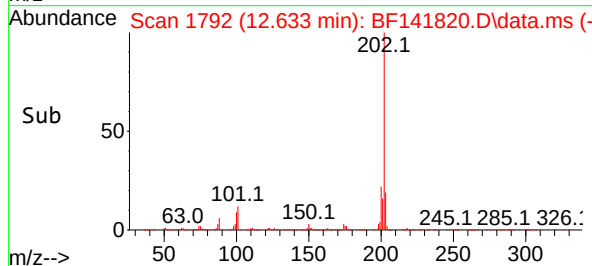
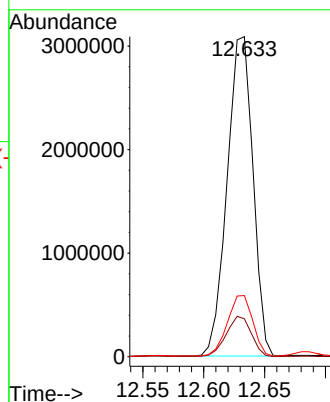
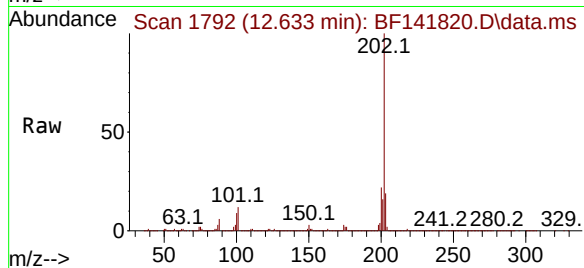
Tgt Ion:202 Resp: 4553566

Ion Ratio Lower Upper

202 100

101 11.8 0.0 32.8

203 19.1 0.0 38.0



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.057 min Scan# 2034

Delta R.T. 0.006 min

Lab File: BF141820.D

Acq: 03 Mar 2025 18:45

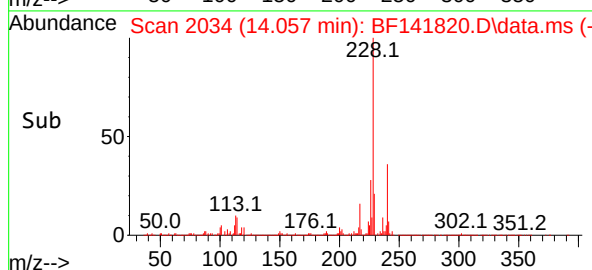
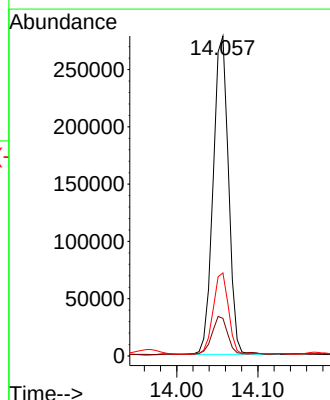
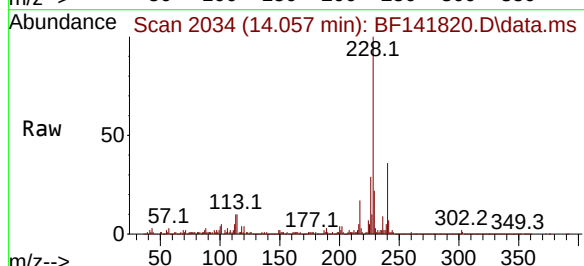
Tgt Ion:240 Resp: 364367

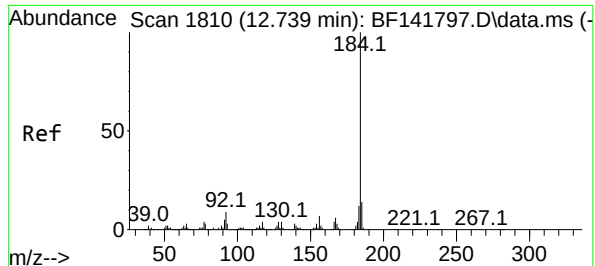
Ion Ratio Lower Upper

240 100

120 11.8 9.7 14.5

236 26.0 21.0 31.4

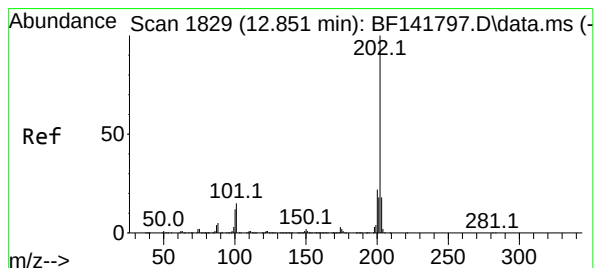
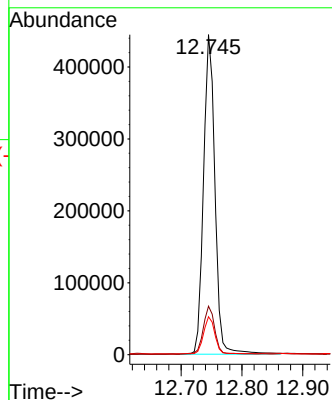
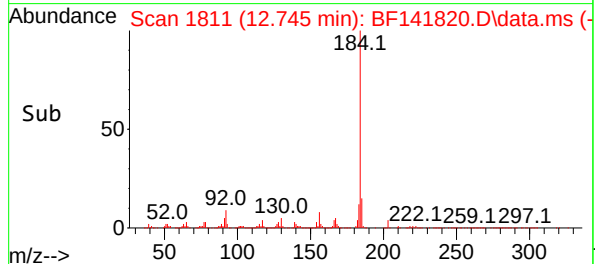
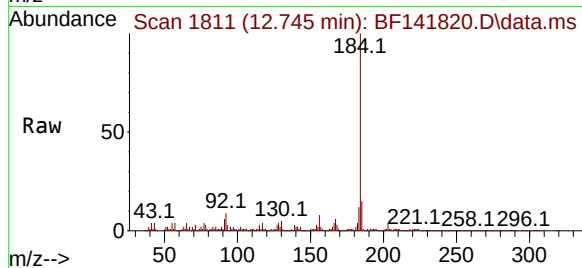




#77  
Benzidine  
Concen: 125.952 ng  
RT: 12.745 min Scan# 1810  
Delta R.T. 0.006 min  
Lab File: BF141820.D  
Acq: 03 Mar 2025 18:45

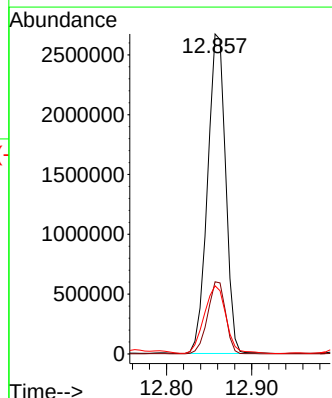
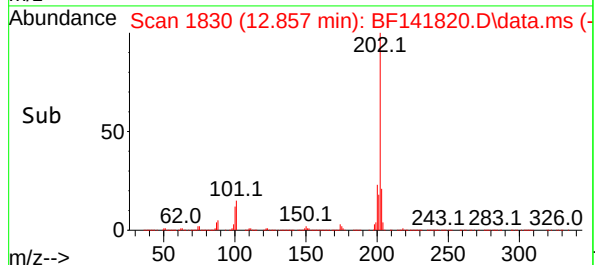
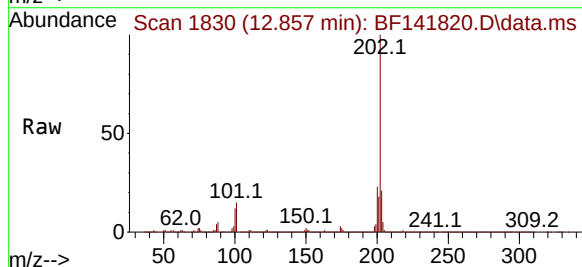
Instrument :  
BNA\_F  
ClientSampleId :  
TR-04-02282025MSD

Tgt Ion:184 Resp: 577625  
Ion Ratio Lower Upper  
184 100  
185 15.1 11.6 17.4  
183 11.8 9.4 14.0

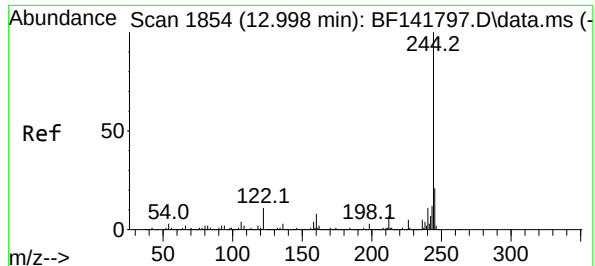


#78  
Pyrene  
Concen: 124.554 ng  
RT: 12.857 min Scan# 1830  
Delta R.T. 0.006 min  
Lab File: BF141820.D  
Acq: 03 Mar 2025 18:45

Tgt Ion:202 Resp: 3929924  
Ion Ratio Lower Upper  
202 100  
200 22.5 17.4 26.0  
203 21.3 14.6 22.0







#79

Terphenyl-d14

Concen: 81.878 ng

RT: 12.998 min Scan# 1854

Delta R.T. 0.000 min

Lab File: BF141820.D

Acq: 03 Mar 2025 18:45

Instrument :

BNA\_F

ClientSampleId :

TR-04-02282025MSD

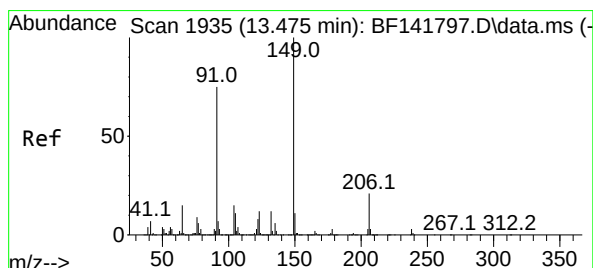
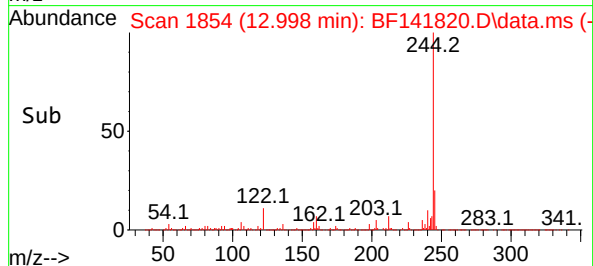
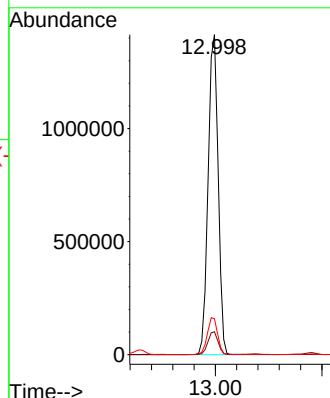
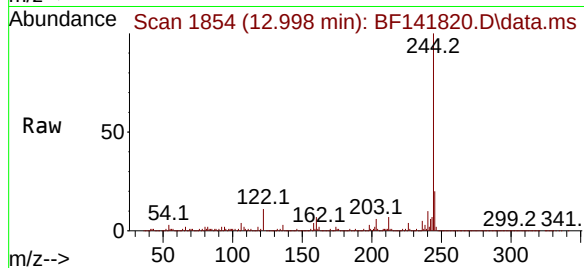
Tgt Ion:244 Resp: 1843944

Ion Ratio Lower Upper

244 100

212 7.2 6.0 9.0

122 11.2 9.0 13.6



#80

Butylbenzylphthalate

Concen: 51.636 ng

RT: 13.475 min Scan# 1935

Delta R.T. -0.000 min

Lab File: BF141820.D

Acq: 03 Mar 2025 18:45

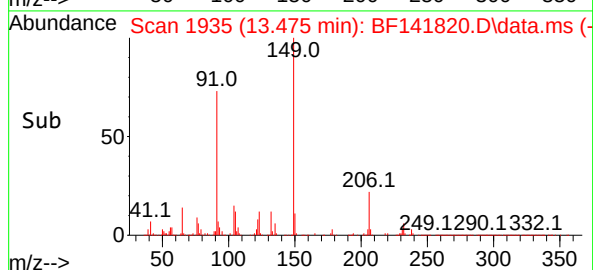
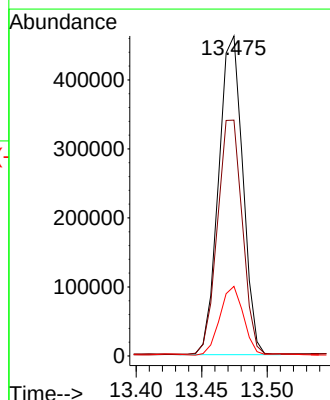
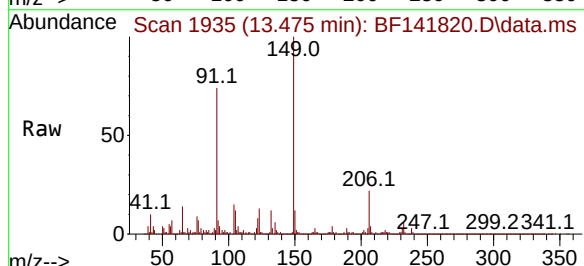
Tgt Ion:149 Resp: 591936

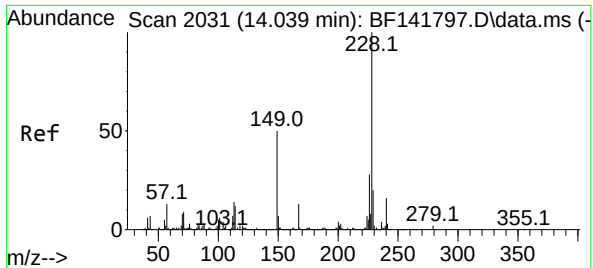
Ion Ratio Lower Upper

149 100

91 73.7 60.1 90.1

206 21.7 16.8 25.2

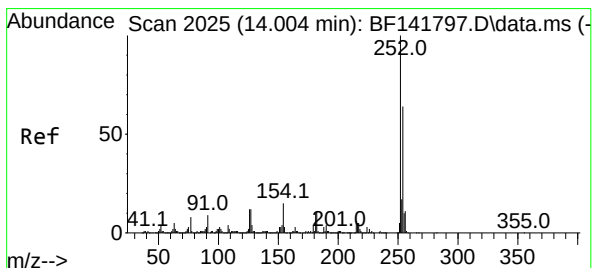
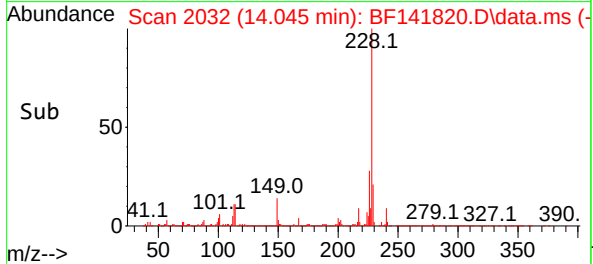
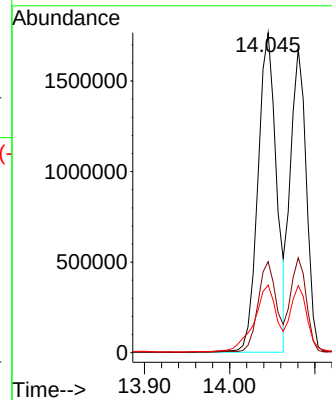
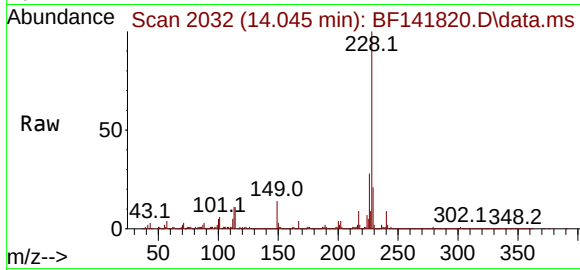




#81  
Benzo(a)anthracene  
Concen: 111.629 ng  
RT: 14.045 min Scan# 2031  
Delta R.T. 0.006 min  
Lab File: BF141820.D  
Acq: 03 Mar 2025 18:45

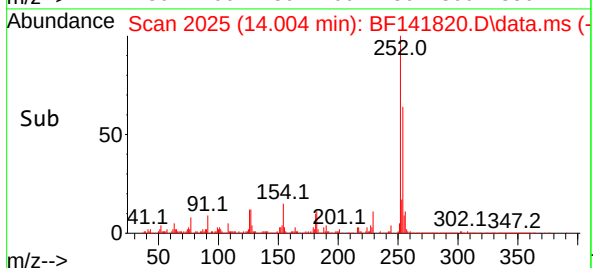
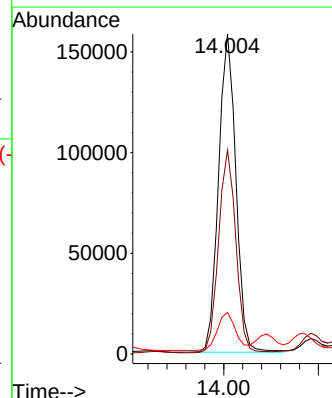
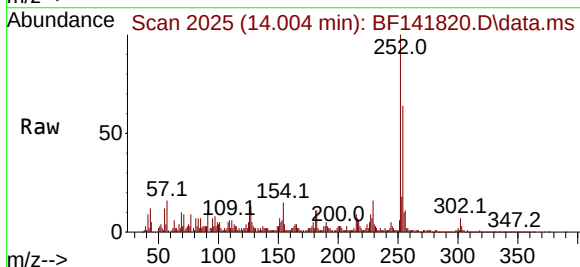
Instrument :  
BNA\_F  
ClientSampleId :  
TR-04-02282025MSD

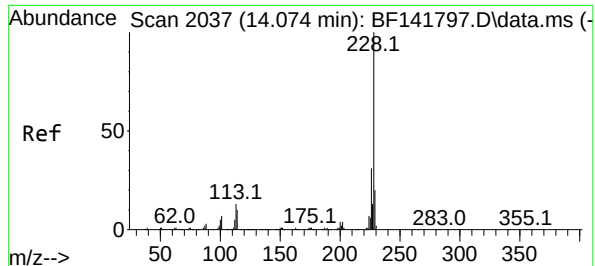
Tgt Ion:228 Resp: 2686577  
Ion Ratio Lower Upper  
228 100  
226 28.5 22.1 33.1  
229 21.1 16.1 24.1



#82  
3,3'-Dichlorobenzidine  
Concen: 29.123 ng  
RT: 14.004 min Scan# 2025  
Delta R.T. -0.000 min  
Lab File: BF141820.D  
Acq: 03 Mar 2025 18:45

Tgt Ion:252 Resp: 201094  
Ion Ratio Lower Upper  
252 100  
254 63.7 51.4 77.0  
126 13.0 9.8 14.6





#83

Chrysene

Concen: 97.191 ng

RT: 14.080 min Scan# 2037

Delta R.T. 0.006 min

Lab File: BF141820.D

Acq: 03 Mar 2025 18:45

Instrument :

BNA\_F

ClientSampleId :

TR-04-02282025MSD

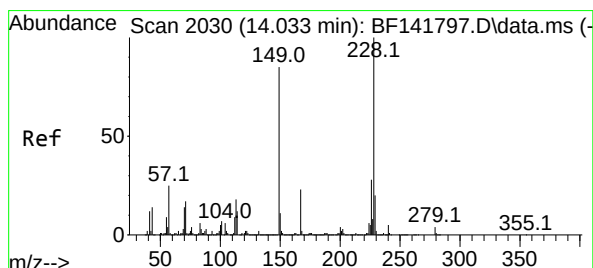
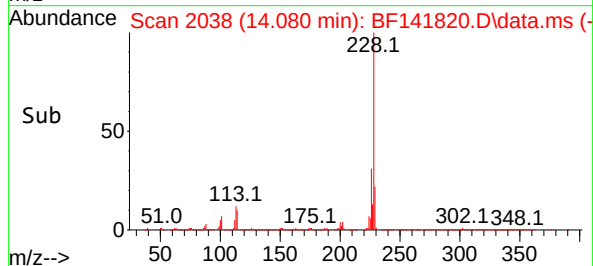
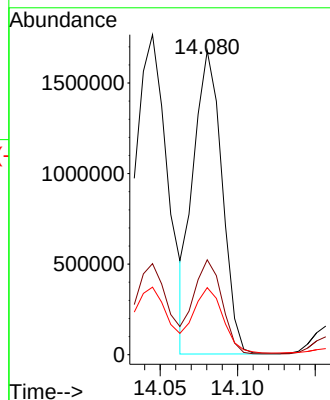
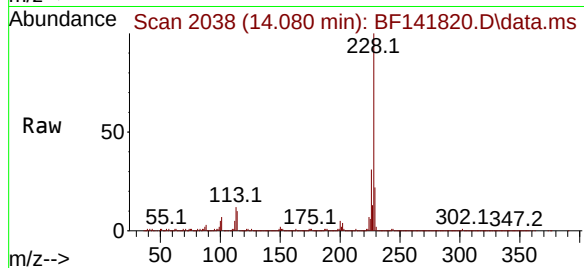
Tgt Ion:228 Resp: 2156229

Ion Ratio Lower Upper

228 100

226 31.2 24.6 37.0

229 22.1 16.1 24.1



#84

Bis(2-ethylhexyl)phthalate

Concen: 56.038 ng

RT: 14.033 min Scan# 2030

Delta R.T. -0.000 min

Lab File: BF141820.D

Acq: 03 Mar 2025 18:45

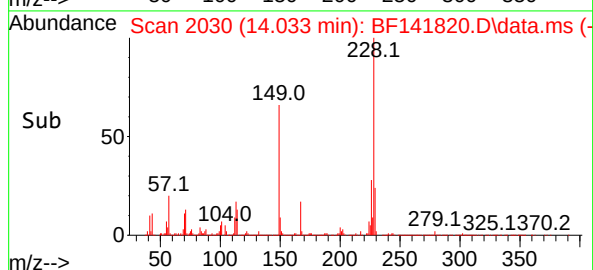
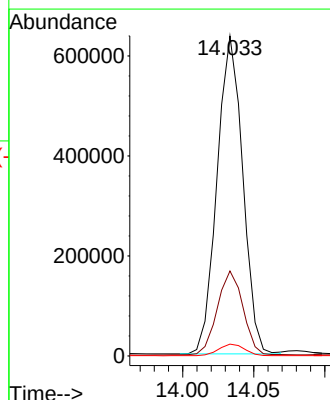
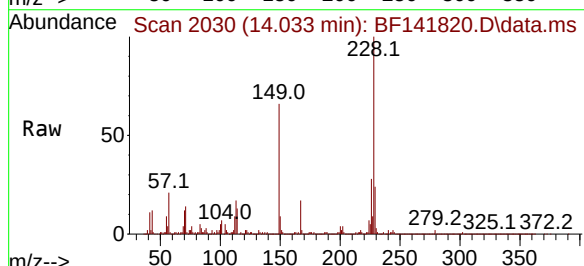
Tgt Ion:149 Resp: 799872

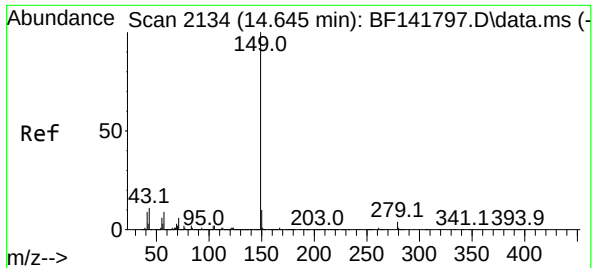
Ion Ratio Lower Upper

149 100

167 26.5 21.2 31.8

279 3.7 3.3 4.9





#85

Di-n-octyl phthalate

Concen: 57.932 ng

RT: 14.645 min Scan# 2134

Delta R.T. -0.000 min

Lab File: BF141820.D

Acq: 03 Mar 2025 18:45

Instrument :

BNA\_F

ClientSampleId :

TR-04-02282025MSD

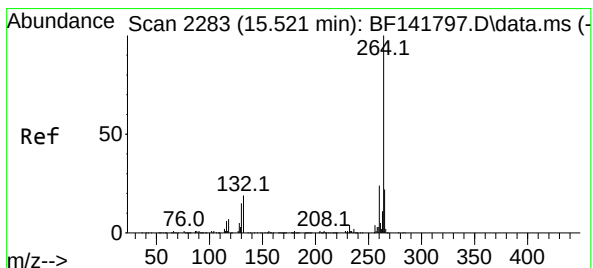
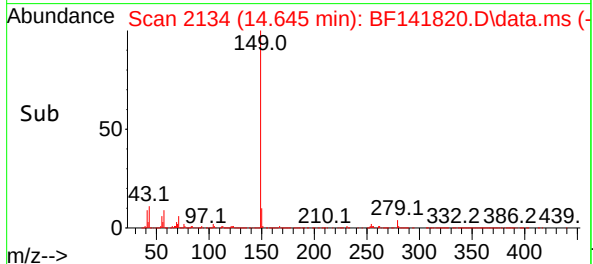
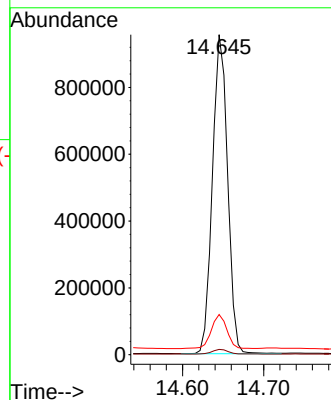
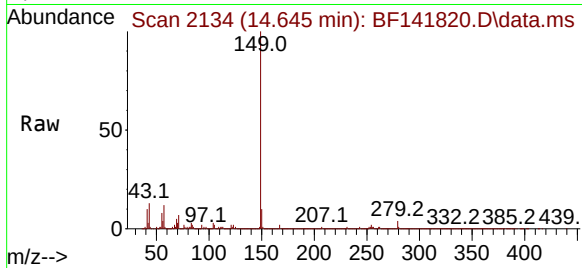
Tgt Ion:149 Resp: 1237973

Ion Ratio Lower Upper

149 100

167 1.6 1.2 1.8

43 11.2 8.6 12.8



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.527 min Scan# 2284

Delta R.T. 0.006 min

Lab File: BF141820.D

Acq: 03 Mar 2025 18:45

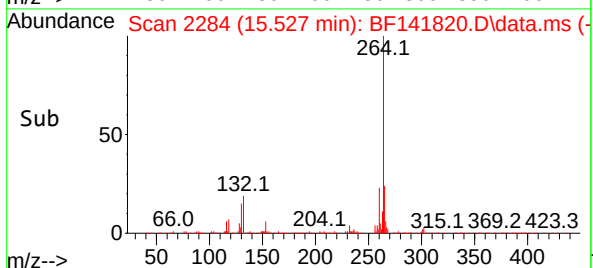
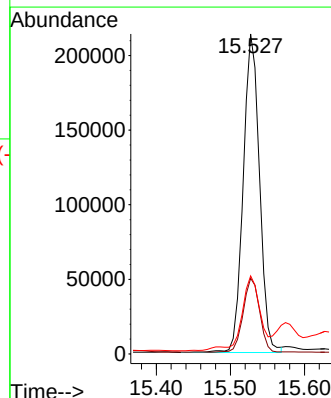
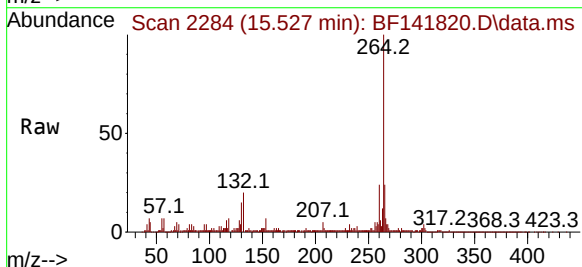
Tgt Ion:264 Resp: 325863

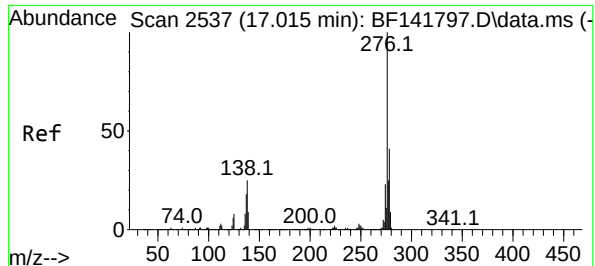
Ion Ratio Lower Upper

264 100

260 23.7 18.9 28.3

265 24.4 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 61.415 ng

RT: 17.027 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF141820.D

Acq: 03 Mar 2025 18:45

Instrument :

BNA\_F

ClientSampleId :

TR-04-02282025MSD

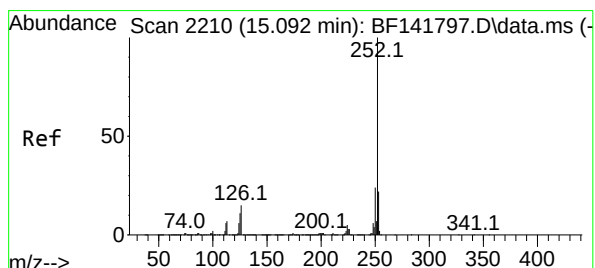
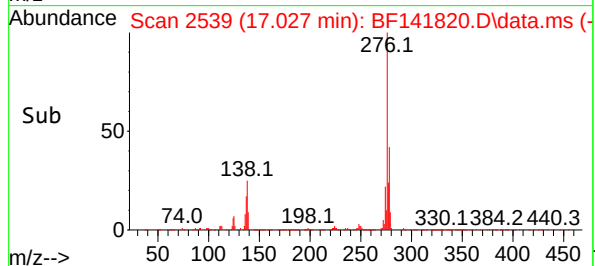
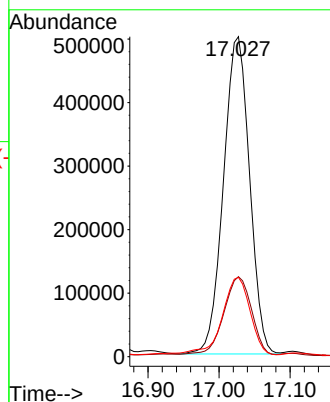
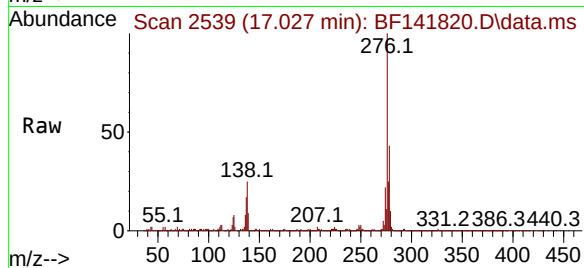
Tgt Ion:276 Resp: 1274356

Ion Ratio Lower Upper

276 100

138 25.7 22.5 33.7

277 26.6 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 103.967 ng

RT: 15.098 min Scan# 2211

Delta R.T. 0.006 min

Lab File: BF141820.D

Acq: 03 Mar 2025 18:45

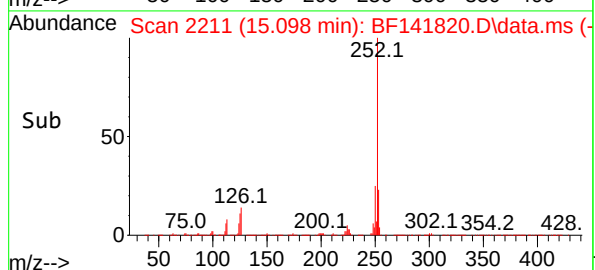
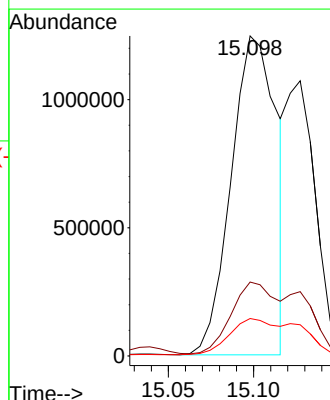
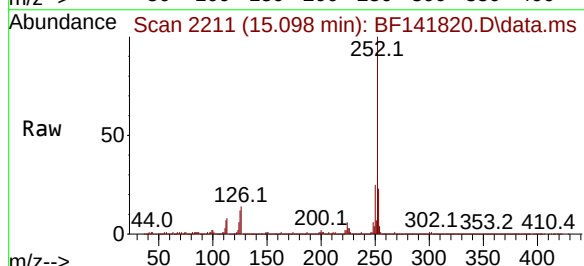
Tgt Ion:252 Resp: 2307739

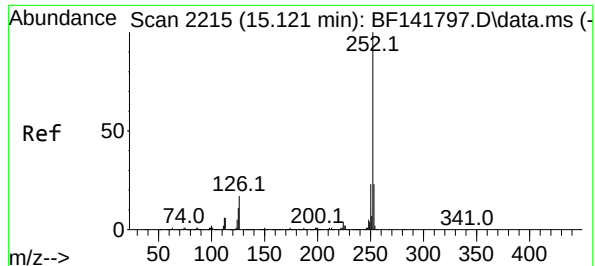
Ion Ratio Lower Upper

252 100

253 23.1 17.7 26.5

125 11.7 8.6 13.0





#89

Benzo(k)fluoranthene

Concen: 65.729 ng m

RT: 15.127 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF141820.D

Acq: 03 Mar 2025 18:45

Instrument :

BNA\_F

ClientSampleId :

TR-04-02282025MSD

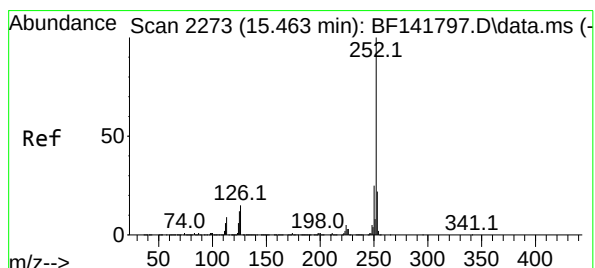
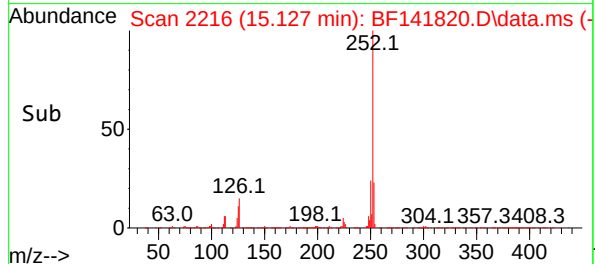
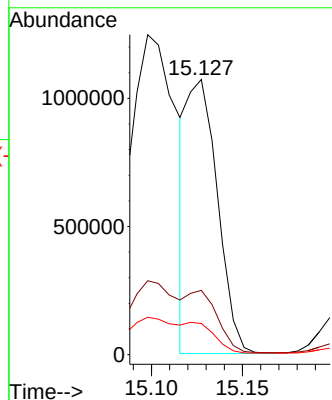
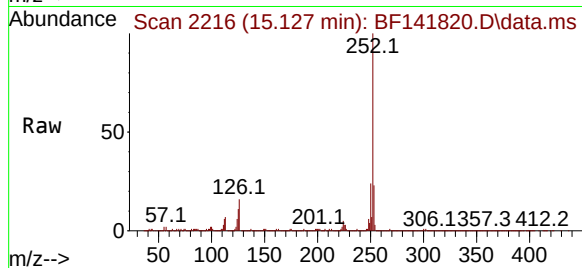
Tgt Ion:252 Resp: 1240064

Ion Ratio Lower Upper

252 100

253 23.4 17.8 26.8

125 11.3 8.8 13.2



#90

Benzo(a)pyrene

Concen: 97.534 ng

RT: 15.468 min Scan# 2274

Delta R.T. 0.006 min

Lab File: BF141820.D

Acq: 03 Mar 2025 18:45

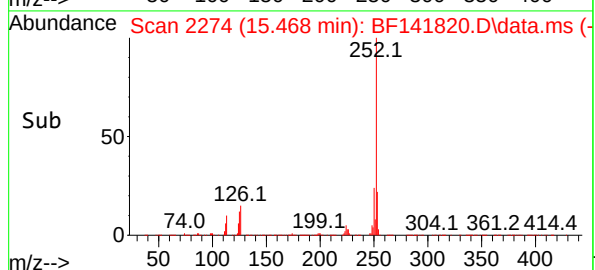
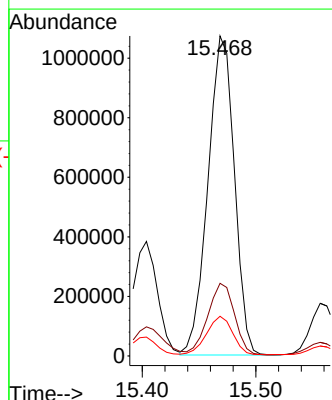
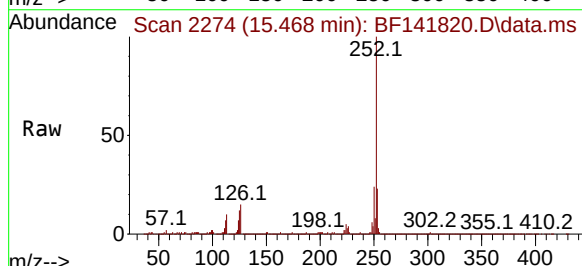
Tgt Ion:252 Resp: 1736263

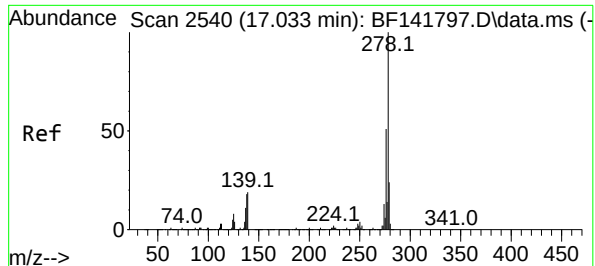
Ion Ratio Lower Upper

252 100

253 22.7 17.5 26.3

125 12.4 9.4 14.2

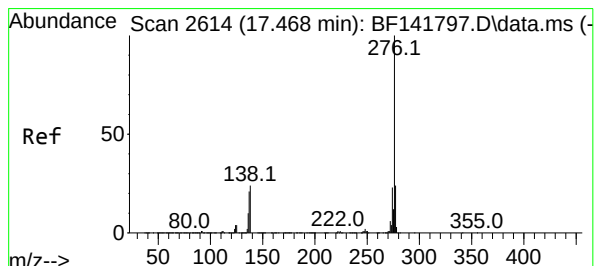
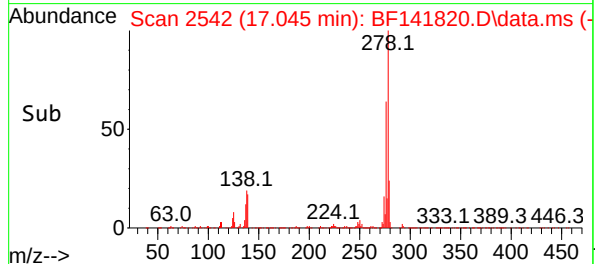
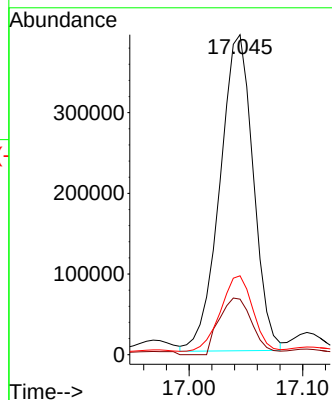
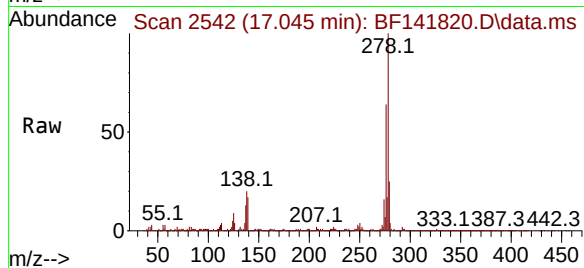




#91  
Dibenzo(a,h)anthracene  
Concen: 47.270 ng  
RT: 17.045 min Scan# 21  
Delta R.T. 0.012 min  
Lab File: BF141820.D  
Acq: 03 Mar 2025 18:45

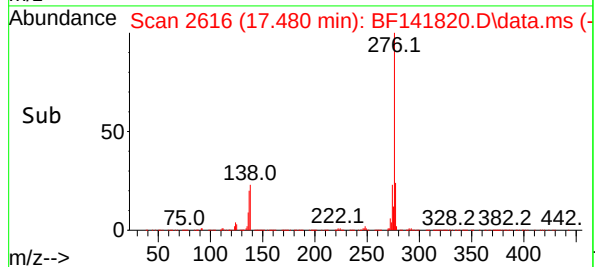
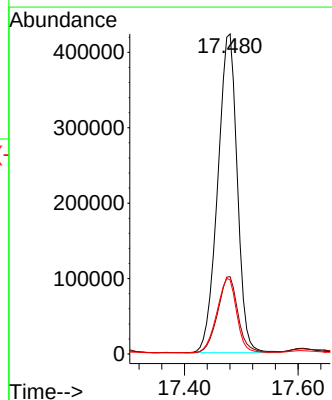
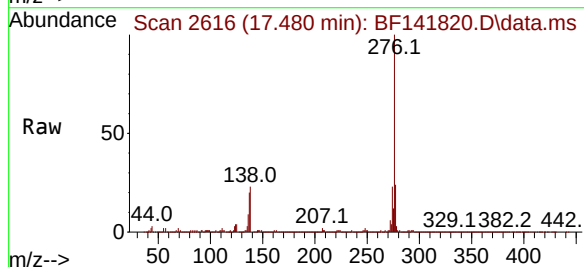
Instrument :  
BNA\_F  
ClientSampleId :  
TR-04-02282025MSD

Tgt Ion:278 Resp: 800626  
Ion Ratio Lower Upper  
278 100  
139 17.3 14.9 22.3  
279 24.7 19.3 28.9



#92  
Benzo(g,h,i)perylene  
Concen: 58.172 ng  
RT: 17.480 min Scan# 2616  
Delta R.T. 0.012 min  
Lab File: BF141820.D  
Acq: 03 Mar 2025 18:45

Tgt Ion:276 Resp: 1009379  
Ion Ratio Lower Upper  
276 100  
277 24.2 19.4 29.0  
138 23.1 19.3 28.9



## Manual Integration Report

Sequence:

BF022725

Instrument

BNA\_f

| Sample ID   | File ID    | Parameter   | Review By | Review On            | Supervised By | Supervised On        | Reason                      |
|-------------|------------|-------------|-----------|----------------------|---------------|----------------------|-----------------------------|
| SSTDICC005  | BF141794.D | Aniline     | yogesh    | 2/28/2025 7:30:31 AM | mohammad      | 2/28/2025 7:32:51 AM | Peak Integrated by Software |
| SSTDICC005  | BF141794.D | Phenol      | yogesh    | 2/28/2025 7:30:31 AM | mohammad      | 2/28/2025 7:32:51 AM | Peak Integrated by Software |
| SSTDICC010  | BF141795.D | Phenol      | yogesh    | 2/28/2025 7:30:34 AM | mohammad      | 2/28/2025 7:32:51 AM | Peak Integrated by Software |
| SSTDICC020  | BF141796.D | Phenol      | yogesh    | 2/28/2025 7:30:37 AM | mohammad      | 2/28/2025 7:32:51 AM | Peak Integrated by Software |
| SSTDICCC040 | BF141797.D | Caprolactam | yogesh    | 2/28/2025 7:30:40 AM | mohammad      | 2/28/2025 7:32:51 AM | Peak Integrated by Software |
| SSTDICC080  | BF141800.D | Aniline     | yogesh    | 2/28/2025 7:30:43 AM | mohammad      | 2/28/2025 7:32:51 AM | Peak Integrated by Software |
| SSTDICC080  | BF141800.D | Phenol      | yogesh    | 2/28/2025 7:30:43 AM | mohammad      | 2/28/2025 7:32:51 AM | Peak Integrated by Software |



## Manual Integration Report

|           |          |            |       |
|-----------|----------|------------|-------|
| Sequence: | BF030325 | Instrument | BNA_f |
|-----------|----------|------------|-------|

| Sample ID   | File ID    | Parameter              | Review By | Review On           | Supervised By | Supervised On       | Reason                      |
|-------------|------------|------------------------|-----------|---------------------|---------------|---------------------|-----------------------------|
| Q1475-01MS  | BF141819.D | Benzo(k)fluoranthene   | anahy     | 3/4/2025 9:45:27 AM | Jagrut        | 3/4/2025 5:07:50 PM | Peak Integrated by Software |
| Q1475-01MS  | BF141819.D | Caprolactam            | anahy     | 3/4/2025 9:45:27 AM | Jagrut        | 3/4/2025 5:07:50 PM | Peak Integrated by Software |
| Q1475-01MS  | BF141819.D | n-Nitrosodimethylamine | anahy     | 3/4/2025 9:45:27 AM | Jagrut        | 3/4/2025 5:07:50 PM | Peak Integrated by Software |
| Q1475-01MSD | BF141820.D | Benzo(k)fluoranthene   | anahy     | 3/4/2025 9:46:23 AM | Jagrut        | 3/4/2025 5:07:54 PM | Peak Integrated by Software |
| Q1475-01MSD | BF141820.D | Caprolactam            | anahy     | 3/4/2025 9:46:23 AM | Jagrut        | 3/4/2025 5:07:54 PM | Peak Integrated by Software |
| Q1475-01MSD | BF141820.D | n-Nitrosodimethylamine | anahy     | 3/4/2025 9:46:23 AM | Jagrut        | 3/4/2025 5:07:54 PM | Peak Integrated by Software |

## Manual Integration Report

|           |          |            |       |
|-----------|----------|------------|-------|
| Sequence: | BF030425 | Instrument | BNA_f |
|-----------|----------|------------|-------|

| Sample ID  | File ID    | Parameter    | Review By | Review On           | Supervised By | Supervised On       | Reason                      |
|------------|------------|--------------|-----------|---------------------|---------------|---------------------|-----------------------------|
| SSTDCCC040 | BF141824.D | Benzoic acid | anahy     | 3/5/2025 8:39:07 AM | Jagrut        | 3/5/2025 9:27:37 AM | Peak Integrated by Software |
| PB166957BS | BF141826.D | Caprolactam  | anahy     | 3/5/2025 8:39:58 AM | Jagrut        | 3/5/2025 9:27:33 AM | Peak Integrated by Software |

Instrument ID: BNA\_F

**Daily Analysis Runlog For Sequence/QC Batch ID # BF022725**

|                          |                                                         |                      |                      |
|--------------------------|---------------------------------------------------------|----------------------|----------------------|
| Review By                | yogesh                                                  | Review On            | 2/28/2025 7:30:58 AM |
| Supervise By             | mohammad                                                | Supervise On         | 2/28/2025 7:32:51 AM |
| SubDirectory             | BF022725                                                | HP Acquire Method    | BNA_F                |
|                          |                                                         | HP Processing Method | bf022725             |
| <b>STD. NAME</b>         | <b>STD REF.#</b>                                        |                      |                      |
| Tune/Reschk              | SP6717                                                  |                      |                      |
| Initial Calibration Stds | SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729 |                      |                      |
| CCC                      | SP6725                                                  |                      |                      |
| Internal Standard/PEM    | S12653,10ul/1000ul sample                               |                      |                      |
| ICV/I.BLK                | SP6686                                                  |                      |                      |
| Surrogate Standard       |                                                         |                      |                      |
| MS/MSD Standard          |                                                         |                      |                      |
| LCS Standard             |                                                         |                      |                      |

| Sr# | SampleId    | Data File Name | Date-Time         | Operator | Status |
|-----|-------------|----------------|-------------------|----------|--------|
| 1   | DFTPP       | BF141792.D     | 27 Feb 2025 14:47 | RC/JU    | Ok     |
| 2   | SSTDICC2.5  | BF141793.D     | 27 Feb 2025 15:17 | RC/JU    | Ok     |
| 3   | SSTDICC005  | BF141794.D     | 27 Feb 2025 15:46 | RC/JU    | Ok,M   |
| 4   | SSTDICC010  | BF141795.D     | 27 Feb 2025 16:16 | RC/JU    | Ok,M   |
| 5   | SSTDICC020  | BF141796.D     | 27 Feb 2025 16:46 | RC/JU    | Ok,M   |
| 6   | SSTDICCC040 | BF141797.D     | 27 Feb 2025 17:16 | RC/JU    | Ok,M   |
| 7   | SSTDICC050  | BF141798.D     | 27 Feb 2025 17:46 | RC/JU    | Ok     |
| 8   | SSTDICC060  | BF141799.D     | 27 Feb 2025 18:15 | RC/JU    | Ok     |
| 9   | SSTDICC080  | BF141800.D     | 27 Feb 2025 18:45 | RC/JU    | Ok,M   |
| 10  | SSTDICV040  | BF141801.D     | 27 Feb 2025 19:45 | RC/JU    | Ok     |
| 11  | PB166879TB  | BF141802.D     | 27 Feb 2025 20:44 | RC/JU    | Ok     |

M : Manual Integration

Instrument ID: **BNA\_F**

**Daily Analysis Runlog For Sequence/QC Batch ID # BF030325**

|                          |                                                         |                      |                     |
|--------------------------|---------------------------------------------------------|----------------------|---------------------|
| Review By                | anahy                                                   | Review On            | 3/4/2025 8:38:41 AM |
| Supervise By             | Jagrut                                                  | Supervise On         | 3/4/2025 5:08:09 PM |
| SubDirectory             | BF030325                                                | HP Acquire Method    | BNA_F               |
|                          |                                                         | HP Processing Method | bf022725            |
| <b>STD. NAME</b>         | <b>STD REF.#</b>                                        |                      |                     |
| Tune/Reschk              | SP6717                                                  |                      |                     |
| Initial Calibration Stds | SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729 |                      |                     |
| CCC                      | SP6725                                                  |                      |                     |
| Internal Standard/PEM    | S12653,10ul/1000ul sample                               |                      |                     |
| ICV/I.BLK                | SP6686                                                  |                      |                     |
| Surrogate Standard       |                                                         |                      |                     |
| MS/MSD Standard          |                                                         |                      |                     |
| LCS Standard             |                                                         |                      |                     |

| Sr# | SampleId    | Data File Name | Date-Time         | Operator | Status   |
|-----|-------------|----------------|-------------------|----------|----------|
| 1   | DFTPP       | BF141810.D     | 03 Mar 2025 13:47 | RC/JU    | Ok       |
| 2   | SSTDCCC040  | BF141811.D     | 03 Mar 2025 14:16 | RC/JU    | Ok       |
| 3   | PB166948BL  | BF141812.D     | 03 Mar 2025 14:46 | RC/JU    | Ok       |
| 4   | PB166948BS  | BF141813.D     | 03 Mar 2025 15:15 | RC/JU    | Ok,M     |
| 5   | PB166927TB  | BF141814.D     | 03 Mar 2025 15:44 | RC/JU    | Ok       |
| 6   | Q1458-03    | BF141815.D     | 03 Mar 2025 16:19 | RC/JU    | Ok       |
| 7   | Q1458-03MS  | BF141816.D     | 03 Mar 2025 16:48 | RC/JU    | Ok,M     |
| 8   | Q1458-03MSD | BF141817.D     | 03 Mar 2025 17:17 | RC/JU    | Ok,M     |
| 9   | Q1475-01    | BF141818.D     | 03 Mar 2025 17:47 | RC/JU    | Dilution |
| 10  | Q1475-01MS  | BF141819.D     | 03 Mar 2025 18:16 | RC/JU    | Ok,M     |
| 11  | Q1475-01MSD | BF141820.D     | 03 Mar 2025 18:45 | RC/JU    | Ok,M     |
| 12  | Q1447-01    | BF141821.D     | 03 Mar 2025 19:14 | RC/JU    | Ok       |
| 13  | Q1474-01    | BF141822.D     | 03 Mar 2025 19:44 | RC/JU    | Ok       |

M : Manual Integration

Instrument ID: BNA\_F

**Daily Analysis Runlog For Sequence/QC Batch ID # BF030425**

|                          |                                                         |                      |                     |
|--------------------------|---------------------------------------------------------|----------------------|---------------------|
| Review By                | anahy                                                   | Review On            | 3/5/2025 8:53:33 AM |
| Supervise By             | Jagrut                                                  | Supervise On         | 3/5/2025 9:27:47 AM |
| SubDirectory             | BF030425                                                | HP Acquire Method    | BNA_F               |
|                          |                                                         | HP Processing Method | bf022725            |
| <b>STD. NAME</b>         | <b>STD REF.#</b>                                        |                      |                     |
| Tune/Reschk              | SP6717                                                  |                      |                     |
| Initial Calibration Stds | SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729 |                      |                     |
| CCC                      | SP6725                                                  |                      |                     |
| Internal Standard/PEM    | S12653,10ul/1000ul sample                               |                      |                     |
| ICV/I.BLK                | SP6686                                                  |                      |                     |
| Surrogate Standard       |                                                         |                      |                     |
| MS/MSD Standard          |                                                         |                      |                     |
| LCS Standard             |                                                         |                      |                     |

| Sr# | SampleId    | Data File Name | Date-Time         | Operator | Status   |
|-----|-------------|----------------|-------------------|----------|----------|
| 1   | DFTPP       | BF141823.D     | 04 Mar 2025 13:16 | RC/JU    | Ok       |
| 2   | SSTDCCC040  | BF141824.D     | 04 Mar 2025 13:46 | RC/JU    | Ok,M     |
| 3   | PB166957BL  | BF141825.D     | 04 Mar 2025 14:15 | RC/JU    | Ok       |
| 4   | PB166957BS  | BF141826.D     | 04 Mar 2025 14:44 | RC/JU    | Ok,M     |
| 5   | Q1480-25    | BF141827.D     | 04 Mar 2025 15:19 | RC/JU    | Ok       |
| 6   | Q1480-25MS  | BF141828.D     | 04 Mar 2025 15:48 | RC/JU    | Ok,M     |
| 7   | Q1480-25MSD | BF141829.D     | 04 Mar 2025 16:17 | RC/JU    | Ok,M     |
| 8   | Q1480-17    | BF141830.D     | 04 Mar 2025 16:47 | RC/JU    | Dilution |
| 9   | Q1480-01    | BF141831.D     | 04 Mar 2025 17:16 | RC/JU    | Dilution |
| 10  | Q1475-01DL  | BF141832.D     | 04 Mar 2025 17:46 | RC/JU    | Ok,M     |
| 11  | Q1480-09    | BF141833.D     | 04 Mar 2025 18:15 | RC/JU    | Ok,M     |

M : Manual Integration

Instrument ID: BNA\_F

**Daily Analysis Runlog For Sequence/QC Batch ID # BF022725**

|              |          |                      |                      |
|--------------|----------|----------------------|----------------------|
| Review By    | yogesh   | Review On            | 2/28/2025 7:30:58 AM |
| Supervise By | mohammad | Supervise On         | 2/28/2025 7:32:51 AM |
| SubDirectory | BF022725 | HP Acquire Method    | BNA_F                |
|              |          | HP Processing Method | bf022725             |

| STD. NAME                | STD REF.#                                               |
|--------------------------|---------------------------------------------------------|
| Tune/Reschk              | SP6717                                                  |
| Initial Calibration Stds | SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729 |
| CCC                      | SP6725                                                  |
| Internal Standard/PEM    | S12653,10ul/1000ul sample                               |
| ICV/I.BLK                | SP6686                                                  |
| Surrogate Standard       |                                                         |
| MS/MSD Standard          |                                                         |
| LCS Standard             |                                                         |

| Sr# | SampleID    | ClientID    | Data File Name | Date-Time         | Comment                                                                                      | Operator | Status |
|-----|-------------|-------------|----------------|-------------------|----------------------------------------------------------------------------------------------|----------|--------|
| 1   | DFTPP       | DFTPP       | BF141792.D     | 27 Feb 2025 14:47 |                                                                                              | RC/JU    | Ok     |
| 2   | SSTDICC2.5  | SSTDICC2.5  | BF141793.D     | 27 Feb 2025 15:17 |                                                                                              | RC/JU    | Ok     |
| 3   | SSTDICC005  | SSTDICC005  | BF141794.D     | 27 Feb 2025 15:46 | Compound #32,54,65,77 removed from 5ppm                                                      | RC/JU    | Ok,M   |
| 4   | SSTDICC010  | SSTDICC010  | BF141795.D     | 27 Feb 2025 16:16 | Compound #26,32,48,51,53,57,65 Kept on LR and Compound #54 Kept on QR                        | RC/JU    | Ok,M   |
| 5   | SSTDICC020  | SSTDICC020  | BF141796.D     | 27 Feb 2025 16:46 | The Calibration is Fail for Com#77                                                           | RC/JU    | Ok,M   |
| 6   | SSTDICCC040 | SSTDICCC040 | BF141797.D     | 27 Feb 2025 17:16 | The Calibration is Good For 8270E, 8270 DOD Except com#77 and 625.1 Method Except for Com#77 | RC/JU    | Ok,M   |
| 7   | SSTDICC050  | SSTDICC050  | BF141798.D     | 27 Feb 2025 17:46 |                                                                                              | RC/JU    | Ok     |
| 8   | SSTDICC060  | SSTDICC060  | BF141799.D     | 27 Feb 2025 18:15 |                                                                                              | RC/JU    | Ok     |
| 9   | SSTDICC080  | SSTDICC080  | BF141800.D     | 27 Feb 2025 18:45 | Compound #69 removed from 80ppm                                                              | RC/JU    | Ok,M   |
| 10  | SSTDICV040  | ICVBF022725 | BF141801.D     | 27 Feb 2025 19:45 | ICV Fail for Com#56,62,77 for DOD and ICV Fail for Com#77 for NON- DOD                       | RC/JU    | Ok     |
| 11  | PB166879TB  | PB166879TB  | BF141802.D     | 27 Feb 2025 20:44 |                                                                                              | RC/JU    | Ok     |

M : Manual Integration

Instrument ID: BNA\_F

**Daily Analysis Runlog For Sequence/QC Batch ID # BF030325**

|              |          |                      |                     |
|--------------|----------|----------------------|---------------------|
| Review By    | anahy    | Review On            | 3/4/2025 8:38:41 AM |
| Supervise By | Jagrut   | Supervise On         | 3/4/2025 5:08:09 PM |
| SubDirectory | BF030325 | HP Acquire Method    | BNA_F               |
|              |          | HP Processing Method | bf022725            |

| STD. NAME                | STD REF.#                                               |
|--------------------------|---------------------------------------------------------|
| Tune/Reschk              | SP6717                                                  |
| Initial Calibration Stds | SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729 |
| CCC                      | SP6725                                                  |
| Internal Standard/PEM    | S12653,10ul/1000ul sample                               |
| ICV/I.BLK                | SP6686                                                  |
| Surrogate Standard       |                                                         |
| MS/MSD Standard          |                                                         |
| LCS Standard             |                                                         |

| Sr# | SampleID    | ClientID          | Data File Name | Date-Time         | Comment                                  | Operator | Status   |
|-----|-------------|-------------------|----------------|-------------------|------------------------------------------|----------|----------|
| 1   | DFTPP       | DFTPP             | BF141810.D     | 03 Mar 2025 13:47 |                                          | RC/JU    | Ok       |
| 2   | SSTDCCC040  | SSTDCCC040        | BF141811.D     | 03 Mar 2025 14:16 |                                          | RC/JU    | Ok       |
| 3   | PB166948BL  | PB166948BL        | BF141812.D     | 03 Mar 2025 14:46 |                                          | RC/JU    | Ok       |
| 4   | PB166948BS  | PB166948BS        | BF141813.D     | 03 Mar 2025 15:15 |                                          | RC/JU    | Ok,M     |
| 5   | PB166927TB  | PB166927TB        | BF141814.D     | 03 Mar 2025 15:44 |                                          | RC/JU    | Ok       |
| 6   | Q1458-03    | SP-SOIL           | BF141815.D     | 03 Mar 2025 16:19 | Internal Standard Fail                   | RC/JU    | Ok       |
| 7   | Q1458-03MS  | SP-SOILMS         | BF141816.D     | 03 Mar 2025 16:48 | Internal Standard Fail                   | RC/JU    | Ok,M     |
| 8   | Q1458-03MSD | SP-SOILMSD        | BF141817.D     | 03 Mar 2025 17:17 | Internal Standard Fail                   | RC/JU    | Ok,M     |
| 9   | Q1475-01    | TR-04-02282025    | BF141818.D     | 03 Mar 2025 17:47 | Internal Standard Fail, Need 5x Dilution | RC/JU    | Dilution |
| 10  | Q1475-01MS  | TR-04-02282025MS  | BF141819.D     | 03 Mar 2025 18:16 | Internal Standard Fail                   | RC/JU    | Ok,M     |
| 11  | Q1475-01MSD | TR-04-02282025MSD | BF141820.D     | 03 Mar 2025 18:45 | Internal Standard Fail                   | RC/JU    | Ok,M     |
| 12  | Q1447-01    | WC1               | BF141821.D     | 03 Mar 2025 19:14 | Internal Standard Fail                   | RC/JU    | Ok       |
| 13  | Q1474-01    | BU-03-02282025    | BF141822.D     | 03 Mar 2025 19:44 | Internal Standard Fail                   | RC/JU    | Ok       |

M : Manual Integration

Instrument ID: BNA\_F

**Daily Analysis Runlog For Sequence/QC Batch ID # BF030425**

|              |          |                      |                     |
|--------------|----------|----------------------|---------------------|
| Review By    | anahy    | Review On            | 3/5/2025 8:53:33 AM |
| Supervise By | Jagrut   | Supervise On         | 3/5/2025 9:27:47 AM |
| SubDirectory | BF030425 | HP Acquire Method    | BNA_F               |
|              |          | HP Processing Method | bf022725            |

| STD. NAME                | STD REF.#                                               |
|--------------------------|---------------------------------------------------------|
| Tune/Reschk              | SP6717                                                  |
| Initial Calibration Stds | SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729 |
| CCC                      | SP6725                                                  |
| Internal Standard/PEM    | S12653,10ul/1000ul sample                               |
| ICV/I.BLK                | SP6686                                                  |
| Surrogate Standard       |                                                         |
| MS/MSD Standard          |                                                         |
| LCS Standard             |                                                         |

| Sr# | SampleID    | ClientID         | Data File Name | Date-Time         | Comment                  | Operator | Status   |
|-----|-------------|------------------|----------------|-------------------|--------------------------|----------|----------|
| 1   | DFTPP       | DFTPP            | BF141823.D     | 04 Mar 2025 13:16 |                          | RC/JU    | Ok       |
| 2   | SSTDCCC040  | SSTDCCC040       | BF141824.D     | 04 Mar 2025 13:46 |                          | RC/JU    | Ok,M     |
| 3   | PB166957BL  | PB166957BL       | BF141825.D     | 04 Mar 2025 14:15 |                          | RC/JU    | Ok       |
| 4   | PB166957BS  | PB166957BS       | BF141826.D     | 04 Mar 2025 14:44 |                          | RC/JU    | Ok,M     |
| 5   | Q1480-25    | TP-4             | BF141827.D     | 04 Mar 2025 15:19 |                          | RC/JU    | Ok       |
| 6   | Q1480-25MS  | TP-4MS           | BF141828.D     | 04 Mar 2025 15:48 |                          | RC/JU    | Ok,M     |
| 7   | Q1480-25MSD | TP-4MSD          | BF141829.D     | 04 Mar 2025 16:17 |                          | RC/JU    | Ok,M     |
| 8   | Q1480-17    | TP-3             | BF141830.D     | 04 Mar 2025 16:47 | Need 2X Dilution         | RC/JU    | Dilution |
| 9   | Q1480-01    | TP-1             | BF141831.D     | 04 Mar 2025 17:16 | Need further 5X Dilution | RC/JU    | Dilution |
| 10  | Q1475-01DL  | TR-04-02282025DL | BF141832.D     | 04 Mar 2025 17:46 |                          | RC/JU    | Ok,M     |
| 11  | Q1480-09    | TP-2             | BF141833.D     | 04 Mar 2025 18:15 |                          | RC/JU    | Ok,M     |

M : Manual Integration





# PERCENT SOLID

Supervisor: Iwona  
Analyst: jignesh  
Date: 2/27/2025

OVENTEMP IN Celsius(°C): 107  
Time IN: 17:25  
In Date: 02/26/2025  
Weight Check 1.0g: 1.00  
Weight Check 10g: 10.00  
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104  
Time OUT: 08:25  
Out Date: 02/27/2025  
Weight Check 1.0g: 1.00  
Weight Check 10g: 10.00  
BalanceID: M SC-4  
Thermometer ID: % SOLID- OVEN

QC:LB134817

| 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 |
|----------|-----------------|--------|----------------|--------------|-------------------------|---------------------------|---------|----------|
| Q1440-01 | OR-02-022625    | 5      | 1.15           | 8.81         | 9.96                    | 9.06                      | 89.8    |          |
| Q1440-02 | OR-02-022625-E2 | 6      | 1.12           | 8.87         | 9.99                    | 9.03                      | 89.2    |          |
| Q1441-01 | HD-02-022625    | 7      | 1.18           | 8.44         | 9.62                    | 8.61                      | 88.0    |          |
| Q1441-02 | HD-02-022625-E2 | 8      | 1.15           | 8.82         | 9.97                    | 8.76                      | 86.3    |          |
| Q1442-01 | 280             | 1      | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   | debris   |
| Q1442-02 | 281             | 2      | 1.15           | 8.50         | 9.65                    | 9.00                      | 92.4    |          |
| Q1442-03 | 351             | 3      | 1.15           | 8.81         | 9.96                    | 8.86                      | 87.5    |          |
| Q1442-04 | 351-E2          | 4      | 1.13           | 8.55         | 9.68                    | 8.58                      | 87.1    |          |
| Q1443-01 | 3733            | 9      | 1.15           | 0.85         | 2.00                    | 2.00                      | 100.0   | debris   |
| Q1444-01 | HIH5032-1-1     | 10     | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   | oilc     |
| Q1444-02 | HIH5032-1-2     | 11     | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   | oilc     |
| Q1445-01 | FDH119M-1-1     | 12     | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   | oilc     |
| Q1445-02 | FDH119M-1-2     | 13     | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   | oilc     |
| Q1445-03 | FDH119M-2-1     | 14     | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   | oilc     |
| Q1445-04 | FDH119M-2-2     | 15     | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   | oilc     |
| Q1445-05 | BC274767-1-1    | 16     | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   | oilc     |
| Q1445-06 | BC274767-1-2    | 17     | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   | oilc     |
| Q1445-07 | 029015-1-1      | 18     | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   | oilc     |
| Q1445-08 | 029015-1-2      | 19     | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   | oilc     |
| Q1447-01 | WC1             | 20     | 1.16           | 8.60         | 9.76                    | 9.11                      | 92.4    |          |
| Q1448-01 | PSP1            | 21     | 1.15           | 8.50         | 9.65                    | 8.73                      | 89.2    |          |
| Q1448-02 | P1              | 22     | 1.17           | 8.42         | 9.59                    | 8.69                      | 89.3    |          |
| Q1448-03 | P2              | 23     | 1.16           | 8.53         | 9.69                    | 8.84                      | 90.0    |          |
| Q1448-04 | P3              | 24     | 1.15           | 8.79         | 9.94                    | 8.78                      | 86.8    |          |
| Q1448-05 | P4              | 25     | 1.12           | 8.75         | 9.87                    | 8.82                      | 88.0    |          |

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

# WORKLIST(Hardcopy Internal Chain)

15145

WorkList Name : %1-022625

WorkList ID : 187879

Department : Wet-Chemistry

Date : 02-26-2025 07:54:55

| Sample   | Customer Sample | Matrix | Test           | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method       |
|----------|-----------------|--------|----------------|--------------|----------|-----------------------------|--------------|--------------|
| Q1440-01 | OR-02-022625    | Solid  | Percent Solids | Cool 4 deg C | PSEG05   | H41                         | 02/26/2025   | Chemtech -SO |
| Q1440-02 | OR-02-022625-E2 | Solid  | Percent Solids | Cool 4 deg C | PSEG05   | H41                         | 02/26/2025   | Chemtech -SO |
| Q1441-01 | HD-02-022625    | Solid  | Percent Solids | Cool 4 deg C | PSEG05   | H31                         | 02/26/2025   | Chemtech -SO |
| Q1441-02 | HD-02-022625-E2 | Solid  | Percent Solids | Cool 4 deg C | PSEG05   | H31                         | 02/26/2025   | Chemtech -SO |
| Q1442-01 | 280             | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | H31                         | 02/26/2025   | Chemtech -SO |
| Q1442-02 | 281             | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | H31                         | 02/26/2025   | Chemtech -SO |
| Q1442-03 | 351             | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | H31                         | 02/26/2025   | Chemtech -SO |
| Q1442-04 | 351-E2          | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | N31                         | 02/26/2025   | Chemtech -SO |
| Q1443-01 | 3733            | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | N31                         | 02/26/2025   | Chemtech -SO |
| Q1444-01 | HIH5032-1-1     | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | H31                         | 02/26/2025   | Chemtech -SO |
| Q1444-02 | HIH5032-1-2     | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | H31                         | 02/26/2025   | Chemtech -SO |
| Q1445-01 | FDH119M-1-1     | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | H31                         | 02/26/2025   | Chemtech -SO |
| Q1445-02 | FDH119M-1-2     | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | H31                         | 02/26/2025   | Chemtech -SO |
| Q1445-03 | FDH119M-2-1     | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | H31                         | 02/26/2025   | Chemtech -SO |
| Q1445-04 | FDH119M-2-2     | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | H31                         | 02/26/2025   | Chemtech -SO |
| Q1445-05 | BC274767-1-1    | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | H31                         | 02/26/2025   | Chemtech -SO |
| Q1445-06 | BC274767-1-2    | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | H31                         | 02/26/2025   | Chemtech -SO |
| Q1445-07 | 029015-1-1      | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | H31                         | 02/26/2025   | Chemtech -SO |
| Q1445-08 | 029015-1-2      | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | H31                         | 02/26/2025   | Chemtech -SO |
| Q1447-01 | WC1             | Solid  | Percent Solids | Cool 4 deg C | GENV01   | H33                         | 02/23/2025   | Chemtech -SO |
| Q1448-01 | PSP1            | Solid  | Percent Solids | Cool 4 deg C | GENV01   | H33                         | 02/25/2025   | Chemtech -SO |

Date/Time 02/26/25 15:45  
 Raw Sample Received by: SA CWCJ  
 Raw Sample Relinquished by: SA CWCJ  
 Date/Time 02/26/25 17:30  
 Raw Sample Received by: CD SM  
 Raw Sample Relinquished by: SA CWCJ

# WORKLIST(Hardcopy Internal Chain)

JB 134817

WorkList Name : %1-022625

WorkList ID : 187879

Department : Wet-Chemistry

Date : 02-26-2025 07:54:55

| Sample   | Customer Sample | Matrix | Test           | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method       |
|----------|-----------------|--------|----------------|--------------|----------|-----------------------------|--------------|--------------|
| Q1448-02 | P1              | Solid  | Percent Solids | Cool 4 deg C | GENV01   | H33                         | 02/25/2025   | Chemtech -SO |
| Q1448-03 | P2              | Solid  | Percent Solids | Cool 4 deg C | GENV01   | H33                         | 02/25/2025   | Chemtech -SO |
| Q1448-04 | P3              | Solid  | Percent Solids | Cool 4 deg C | GENV01   | H33                         | 02/25/2025   | Chemtech -SO |
| Q1448-05 | P4              | Solid  | Percent Solids | Cool 4 deg C | GENV01   | H33                         | 02/25/2025   | Chemtech -SO |

Date/Time

Raw Sample Received by:

Raw Sample Relinquished by:

02/26/25 15:45

SB (WC)

CA SM

Date/Time

Raw Sample Received by:

Raw Sample Relinquished by:

02/26/25

CA SM

SB (WC)

17:30

SOP ID: M3541-ASE Extraction-14

Clean Up SOP #: N/A

Matrix : Solid

Weigh By: EH

Balance check: RJ

Balance ID: EX-SC-2

pH Strip Lot#: N/A

Extraction By: RJ

Filter By: RJ

pH Meter ID: N/A

Hood ID: 3,7

Extraction Start Date : 03/03/2025

Extraction Start Time : 13:15

Extraction End Date : 03/03/2025

Extraction End Time : 16:15

Concentration By: EH

Supervisor By : RUPESH

Extraction Method: ☐ Separatory Funnel ☐ Continous Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☒ Soxhlet

| Standard Name | MLS USED | Concentration ug/mL | STD REF. # FROM LOG |
|---------------|----------|---------------------|---------------------|
| Spike Sol 1   | 1.0ML    | 50/100 PPM          | SP6720              |
| 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            | EP2591     |
| Baked Na2SO4       | N/A            | EP2590     |
| Methylene Chloride | N/A            | E3878      |
| Sand               | N/A            | E2865      |
| N/A                | N/A            | N/A        |
| N/A                | N/A            | N/A        |
| N/A                | N/A            | N/A        |
| N/A                | N/A            | N/A        |
| N/A                | N/A            | N/A        |
| N/A                | N/A            | N/A        |
| N/A                | N/A            | N/A        |
| 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.

KD Bath ID: N/A

KD Bath Temperature: N/A

Envap ID: NEVAP-02

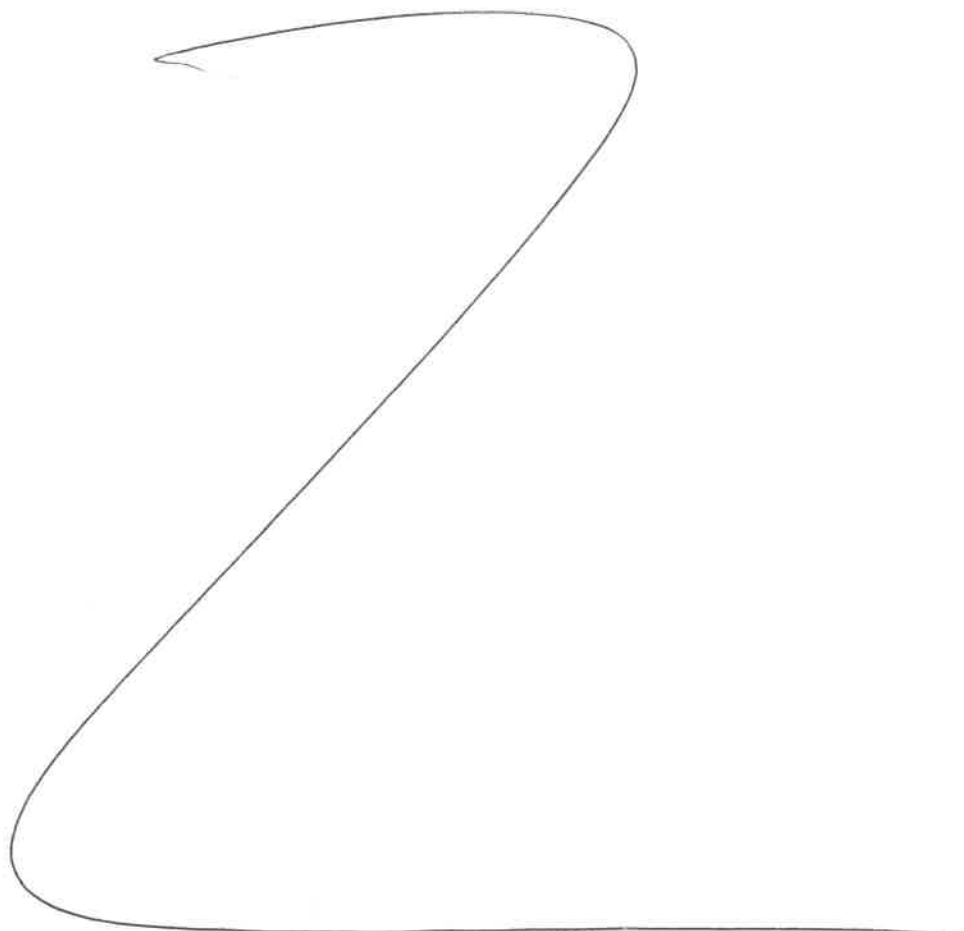
Envap Temperature: 40 °C

| Date / Time | Prepped Sample Relinquished By/Location | Received By/Location |
|-------------|-----------------------------------------|----------------------|
| 3/3/25      | RS (B4-665)                             | Rclsvoc              |
| 16:20       | Preparation Group                       | Analysis Group       |

Analytical Method: M3541-ASE Extraction-14

Concentration Date: 03/03/2025

| Sample ID       | Client Sample ID  | Test                | g/mL  | PH  | Surr/Spike By: |            | Final Vol.<br>(mL) | JarID | Comments | Prep<br>Pos |
|-----------------|-------------------|---------------------|-------|-----|----------------|------------|--------------------|-------|----------|-------------|
|                 |                   |                     |       |     | AddedBy        | VerifiedBy |                    |       |          |             |
| PB166957BL      | SBLK957           | SVOC-TCL BNA<br>-20 | 30.02 | N/A | ritesh         | Evelyn     | 1                  |       |          | U2-6        |
| PB166957BS      | SLCS957           | SVOC-TCL BNA<br>-20 | 30.03 | N/A | ritesh         | Evelyn     | 1                  |       |          | U3-1        |
| Q1447-01        | WC1               | SVOC-TCL BNA<br>-20 | 30.07 | N/A | ritesh         | Evelyn     | 1                  | B     |          | 2           |
| Q1474-01        | BU-03-02282025    | SVOC-TCL BNA<br>-20 | 50.03 | N/A | ritesh         | Evelyn     | 1                  | E     |          | 3           |
| Q1475-01        | TR-04-02282025    | SVOC-TCL BNA<br>-20 | 50.02 | N/A | ritesh         | Evelyn     | 1                  | E     |          | 4           |
| Q1475-01MS      | TR-04-02282025MS  | SVOC-TCL BNA<br>-20 | 50.04 | N/A | ritesh         | Evelyn     | 1                  | E     |          | 5           |
| Q1475-01MS<br>D | TR-04-02282025MSD | SVOC-TCL BNA<br>-20 | 50.07 | N/A | ritesh         | Evelyn     | 1                  | E     |          | 6           |



Rs  
313

## WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1447BN  
WorkList ID : 187988  
Department : Extraction  
Date : 03-03-2025 13:09:01

| Sample   | Customer Sample | Matrix | Test             | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method |
|----------|-----------------|--------|------------------|--------------|----------|-----------------------------|--------------|--------|
| Q1447-01 | WC1             | Solid  | SVOC-TCL BNA -20 | Cool 4 deg C | GENV01   | H33                         | 02/23/2025   | 8270E  |
| Q1474-01 | BU-03-02282025  | Solid  | SVOC-TCL BNA -20 | Cool 4 deg C | PSEG05   | H31                         | 02/28/2025   | 8270E  |
| Q1475-01 | TR-04-02282025  | Solid  | SVOC-TCL BNA -20 | Cool 4 deg C | PSEG05   | H31                         | 02/28/2025   | 8270E  |

Date/Time 3/2/25 13:10  
Raw Sample Received by: RJ (EXT-bub)  
Raw Sample Relinquished by: CP

Date/Time 3/3/25 13:30  
Raw Sample Received by: OP  
Raw Sample Relinquished by: RJ (E+65)



# SHIPPING DOCUMENTS

CLIENT INFORMATION

COMPANY: G-Environmental  
ADDRESS: 8 Carriage  
CITY: Succasunna STATE: NJ ZIP: 07876  
ATTENTION:  
PHONE: FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Nelson  
PROJECT NO.: LOCATION:  
PROJECT MANAGER: GL  
e-mail: gary@g-environmental.com  
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: G-Environmental PO#:  
ADDRESS: 8 Carriage  
CITY: Succasunna STATE: NJ ZIP:  
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX (RUSH) 5 DAYS\*  
HARDCOPY (DATA PACKAGE): 5-day DAYS\*  
EDD: DAYS\*  
\*TO BE APPROVED BY CHEMTECH  
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

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

1. EPH 2. VOC 3. BTEX 4. PCBs 5. KRA 6. Cyanide 7. TAL metals 8. TCEP metals 9. paint filter 10. pH 11. Isotach

ANALYSIS

| ALLIANCE<br>SAMPLE<br>ID | PROJECT<br>SAMPLE IDENTIFICATION | SAMPLE<br>MATRIX | SAMPLE<br>TYPE |      | SAMPLE<br>COLLECTION |      | # OF BOTTLES | PRESERVATIVES |   |   |   |   |   |   |   |   | COMMENTS                                                                   |  |
|--------------------------|----------------------------------|------------------|----------------|------|----------------------|------|--------------|---------------|---|---|---|---|---|---|---|---|----------------------------------------------------------------------------|--|
|                          |                                  |                  | COMP           | GRAB | DATE                 | TIME |              | 1             | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | ← Specify Preservatives<br>A-HCl D-NaOH<br>B-HNO3 E-ICE<br>C-H2SO4 F-OTHER |  |
| 1.                       | WEL                              | Soil             | X              |      | 2/23/15              | 1600 | 2            | X             | X | X | X | X | X | X | X | X |                                                                            |  |
| 2.                       |                                  |                  |                |      |                      |      |              |               |   |   |   |   |   |   |   |   |                                                                            |  |
| 3.                       |                                  |                  |                |      |                      |      |              |               |   |   |   |   |   |   |   |   |                                                                            |  |
| 4.                       |                                  |                  |                |      |                      |      |              |               |   |   |   |   |   |   |   |   |                                                                            |  |
| 5.                       |                                  |                  |                |      |                      |      |              |               |   |   |   |   |   |   |   |   |                                                                            |  |
| 6.                       |                                  |                  |                |      |                      |      |              |               |   |   |   |   |   |   |   |   |                                                                            |  |
| 7.                       |                                  |                  |                |      |                      |      |              |               |   |   |   |   |   |   |   |   |                                                                            |  |
| 8.                       |                                  |                  |                |      |                      |      |              |               |   |   |   |   |   |   |   |   |                                                                            |  |
| 9.                       |                                  |                  |                |      |                      |      |              |               |   |   |   |   |   |   |   |   |                                                                            |  |
| 10.                      |                                  |                  |                |      |                      |      |              |               |   |   |   |   |   |   |   |   |                                                                            |  |

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

|                          |            |                |                                                                                                                                                                   |
|--------------------------|------------|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| RELINQUISHED BY SAMPLER: | DATE/TIME: | RECEIVED BY:   | Conditions of bottles or coolers at receipt: <input type="checkbox"/> COMPLIANT <input type="checkbox"/> NON COMPLIANT <input type="checkbox"/> COOLER TEMP 21 °C |
| 1. [Signature]           | 2/26/15    | 1. [Signature] | Comments: Waste Class                                                                                                                                             |
| RELINQUISHED BY SAMPLER: | DATE/TIME: | RECEIVED BY:   |                                                                                                                                                                   |
| 2. [Signature]           |            | 2. [Signature] |                                                                                                                                                                   |
| RELINQUISHED BY SAMPLER: | DATE/TIME: | RECEIVED BY:   |                                                                                                                                                                   |
| 3. [Signature]           |            | 3. [Signature] |                                                                                                                                                                   |

Page \_\_\_\_ of CLIENT: ☐ Hand Delivered ☐ Other Shipment Complete ☐ YES ☐ NO





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 (ANAB)      | L2219            |
|                      |                  |
| Maine                | 2024021          |
|                      |                  |
| Maryland             | 296              |
|                      |                  |
| New Hampshire        | 255424 Rev 1     |
|                      |                  |
| New Jersey           | 20012            |
|                      |                  |
| New York             | 11376            |
|                      |                  |
| Pennsylvania         | 68-00548         |
|                      |                  |
| Soil Permit          | 525-24-234-08441 |
|                      |                  |
| Texas                | T104704488       |



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

## LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1447      GENV01

Order Date : 2/26/2025 2:32:53 PM

Project Mgr :

Client Name : G Environmental

Project Name : Nelson

Report Type : Levelt NJ Reduce

Client Contact : Gary Landis

Receive DateTime : 2/26/2025 2:15:00 PM

EDD Type : Excel NJ

Invoice Name : G Environmental

Purchase Order :

Hard Copy Date :

Invoice Contact : Gary Landis

Date Signoff :

| LAB ID   | CLIENT ID | MATRIX | SAMPLE DATE | SAMPLE TIME | TEST | TEST GROUP | METHOD | FAX DATE | DUE DATES |
|----------|-----------|--------|-------------|-------------|------|------------|--------|----------|-----------|
| Q1447-01 | WC1       | Solid  | 02/23/2025  | 16:00       |      |            |        |          |           |

VOC-TCLVOA-10

8260D

5  
~~10~~ Bus. Days

Relinquished By :

Date / Time :

2-26-25 15:05

Received By :

Date / Time :

2/26/25 15:05 Ng #6  
F22

Storage Area : VOA Refridgerator Room