

## 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

## LAB CHRONICLE

|                 |                      |                   |                        |
|-----------------|----------------------|-------------------|------------------------|
| <b>OrderID:</b> | P5021                | <b>OrderDate:</b> | 11/27/2024 10:41:00 AM |
| <b>Client:</b>  | LiRo Engineers, Inc. | <b>Project:</b>   | RFK Bridge             |
| <b>Contact:</b> | Martin Wesolowski    | <b>Location:</b>  | L41,VOA Ref. #3 Water  |

| LabID           | ClientID     | Matrix       | Test          | Method | Sample Date     | Prep Date | Anal Date | Received        |
|-----------------|--------------|--------------|---------------|--------|-----------------|-----------|-----------|-----------------|
| <b>P5021-01</b> | <b>MW-06</b> | <b>Water</b> |               |        | <b>11/26/24</b> |           |           | <b>11/27/24</b> |
|                 |              |              | SVOCMS Group1 | 8270E  |                 | 11/27/24  | 12/02/24  |                 |
| <b>P5021-02</b> | <b>MW-08</b> | <b>Water</b> |               |        | <b>11/26/24</b> |           |           | <b>11/27/24</b> |
|                 |              |              | SVOCMS Group1 | 8270E  |                 | 11/27/24  | 12/03/24  |                 |
| <b>P5021-03</b> | <b>MW-10</b> | <b>Water</b> |               |        | <b>11/26/24</b> |           |           | <b>11/27/24</b> |
|                 |              |              | SVOCMS Group1 | 8270E  |                 | 11/27/24  | 12/03/24  |                 |
| <b>P5021-04</b> | <b>MW-11</b> | <b>Water</b> |               |        | <b>11/26/24</b> |           |           | <b>11/27/24</b> |
|                 |              |              | SVOCMS Group1 | 8270E  |                 | 11/27/24  | 12/02/24  |                 |
| <b>P5021-05</b> | <b>MW-13</b> | <b>Water</b> |               |        | <b>11/26/24</b> |           |           | <b>11/27/24</b> |
|                 |              |              | SVOCMS Group1 | 8270E  |                 | 11/27/24  | 12/02/24  |                 |
| <b>P5021-06</b> | <b>MW-12</b> | <b>Water</b> |               |        | <b>11/26/24</b> |           |           | <b>11/27/24</b> |
|                 |              |              | SVOCMS Group1 | 8270E  |                 | 11/27/24  | 12/03/24  |                 |



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### Hit Summary Sheet SW-846

**SDG No.:** P5021  
**Client:** LiRo Engineers, Inc.

| Sample ID                   | Client ID |       | Parameter    | Concentration | C | MDL          | RDL | Units |
|-----------------------------|-----------|-------|--------------|---------------|---|--------------|-----|-------|
| <b>Client ID : MW-06</b>    |           |       |              |               |   |              |     |       |
| P5021-01                    | MW-06     | WATER | Acenaphthene | 11.800        |   | 0.83         | 5.1 | ug/L  |
| P5021-01                    | MW-06     | WATER | Fluorene     | 5.200         |   | 0.98         | 5.1 | ug/L  |
| P5021-01                    | MW-06     | WATER | Anthracene   | 2.700         | J | 1.1          | 5.1 | ug/L  |
| P5021-01                    | MW-06     | WATER | Fluoranthene | 8.900         |   | 1.3          | 5.1 | ug/L  |
| P5021-01                    | MW-06     | WATER | Pyrene       | 6.800         | Q | 1.1          | 5.1 | ug/L  |
| <b>Total Svoc :</b>         |           |       |              |               |   | <b>35.40</b> |     |       |
| <b>Total Concentration:</b> |           |       |              |               |   | <b>35.40</b> |     |       |



# QC SUMMARY



## Surrogate Summary

SW-846

SDG No.: P5021

Client: LiRo Engineers, Inc.

Analytical Method: 8270E

| Lab Sample ID | Client ID   | Parameter        | Spike (PPM) | Result (PPM) | Recovery (%) | Qual | Limits (%) |      |
|---------------|-------------|------------------|-------------|--------------|--------------|------|------------|------|
|               |             |                  |             |              |              |      | Low        | High |
| P5021-01      | MW-06       | Nitrobenzene-d5  | 100         | 89.8         | 90           |      | 49         | 133  |
|               |             | 2-Fluorobiphenyl | 100         | 83.0         | 83           |      | 52         | 132  |
|               |             | Terphenyl-d14    | 100         | 80.1         | 80           |      | 48         | 125  |
| P5021-02      | MW-08       | Nitrobenzene-d5  | 100         | 75.9         | 76           |      | 49         | 133  |
|               |             | 2-Fluorobiphenyl | 100         | 76.6         | 77           |      | 52         | 132  |
|               |             | Terphenyl-d14    | 100         | 80.7         | 81           |      | 48         | 125  |
| P5021-03      | MW-10       | Nitrobenzene-d5  | 100         | 91.8         | 92           |      | 49         | 133  |
|               |             | 2-Fluorobiphenyl | 100         | 94.2         | 94           |      | 52         | 132  |
|               |             | Terphenyl-d14    | 100         | 93.7         | 94           |      | 48         | 125  |
| P5021-04      | MW-11       | Nitrobenzene-d5  | 100         | 95.6         | 96           |      | 49         | 133  |
|               |             | 2-Fluorobiphenyl | 100         | 94.4         | 94           |      | 52         | 132  |
|               |             | Terphenyl-d14    | 100         | 91.0         | 91           |      | 48         | 125  |
| P5021-05      | MW-13       | Nitrobenzene-d5  | 100         | 96.1         | 96           |      | 49         | 133  |
|               |             | 2-Fluorobiphenyl | 100         | 94.0         | 94           |      | 52         | 132  |
|               |             | Terphenyl-d14    | 100         | 90.8         | 91           |      | 48         | 125  |
| P5021-06      | MW-12       | Nitrobenzene-d5  | 100         | 93.5         | 93           |      | 49         | 133  |
|               |             | 2-Fluorobiphenyl | 100         | 88.4         | 88           |      | 52         | 132  |
|               |             | Terphenyl-d14    | 100         | 97.2         | 97           |      | 48         | 125  |
| PB165296BL    | PB165296BL  | Nitrobenzene-d5  | 100         | 94.5         | 94           |      | 49         | 133  |
|               |             | 2-Fluorobiphenyl | 100         | 96.0         | 96           |      | 52         | 132  |
|               |             | Terphenyl-d14    | 100         | 94.7         | 95           |      | 48         | 125  |
| PB165296BS    | PB165296BS  | Nitrobenzene-d5  | 100         | 86.7         | 87           |      | 49         | 133  |
|               |             | 2-Fluorobiphenyl | 100         | 87.6         | 88           |      | 52         | 132  |
|               |             | Terphenyl-d14    | 100         | 87.5         | 87           |      | 48         | 125  |
| PB165296BSD   | PB165296BSD | Nitrobenzene-d5  | 100         | 96.7         | 97           |      | 49         | 133  |
|               |             | 2-Fluorobiphenyl | 100         | 95.4         | 95           |      | 52         | 132  |
|               |             | Terphenyl-d14    | 100         | 101          | 101          |      | 48         | 125  |

## Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P5021

Client: LiRo Engineers, Inc.

Analytical Method: 8270E

DataFile: BF140683.D

| Lab Sample ID | Parameter              | Spike | Result | Unit | Rec | RPD | Qual | RPD  |     | Limits |     |
|---------------|------------------------|-------|--------|------|-----|-----|------|------|-----|--------|-----|
|               |                        |       |        |      |     |     |      | Qual | Low | High   | RPD |
| PB165296BS    | Acenaphthylene         | 50    | 49.7   | ug/L | 99  |     |      |      | 79  | 103    |     |
|               | Acenaphthene           | 50    | 47.6   | ug/L | 95  |     |      |      | 59  | 113    |     |
|               | Fluorene               | 50    | 47.3   | ug/L | 95  |     |      |      | 64  | 107    |     |
|               | Phenanthrene           | 50    | 47.6   | ug/L | 95  |     |      |      | 62  | 109    |     |
|               | Anthracene             | 50    | 49.7   | ug/L | 99  |     |      |      | 65  | 110    |     |
|               | Fluoranthene           | 50    | 50.5   | ug/L | 101 |     |      |      | 64  | 110    |     |
|               | Pyrene                 | 50    | 46.0   | ug/L | 92  |     |      |      | 71  | 103    |     |
|               | Benzo(a)anthracene     | 50    | 48.2   | ug/L | 96  |     |      |      | 62  | 107    |     |
|               | Chrysene               | 50    | 48.5   | ug/L | 97  |     |      |      | 61  | 108    |     |
|               | Benzo(b)fluoranthene   | 50    | 47.2   | ug/L | 94  |     |      |      | 77  | 113    |     |
|               | Benzo(k)fluoranthene   | 50    | 48.9   | ug/L | 98  |     |      |      | 77  | 105    |     |
|               | Benzo(a)pyrene         | 50    | 52.4   | ug/L | 105 |     |      |      | 72  | 131    |     |
|               | Indeno(1,2,3-cd)pyrene | 50    | 47.6   | ug/L | 95  |     |      |      | 72  | 105    |     |
|               | Dibenz(a,h)anthracene  | 50    | 47.4   | ug/L | 95  |     |      |      | 78  | 115    |     |
|               | Benzo(g,h,i)perylene   | 50    | 43.9   | ug/L | 88  |     |      |      | 75  | 118    |     |

## Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P5021

Client: LiRo Engineers, Inc.

Analytical Method: 8270E DataFile: BF140684.D

| Lab Sample ID | Parameter              | Spike | Result | Unit | Rec | RPD | Qual | RPD  |     | Limits |     |
|---------------|------------------------|-------|--------|------|-----|-----|------|------|-----|--------|-----|
|               |                        |       |        |      |     |     |      | Qual | Low | High   | RPD |
| PB165296BSD   | Acenaphthylene         | 50    | 54.9   | ug/L | 110 | 10  | *    |      | 79  | 103    | 20  |
|               | Acenaphthene           | 50    | 52.4   | ug/L | 105 | 10  |      |      | 59  | 113    | 20  |
|               | Fluorene               | 50    | 52.2   | ug/L | 104 | 10  |      |      | 64  | 107    | 20  |
|               | Phenanthrene           | 50    | 53.2   | ug/L | 106 | 11  |      |      | 62  | 109    | 20  |
|               | Anthracene             | 50    | 54.6   | ug/L | 109 | 9   |      |      | 65  | 110    | 20  |
|               | Fluoranthene           | 50    | 46.8   | ug/L | 94  | 8   |      |      | 64  | 110    | 20  |
|               | Pyrene                 | 50    | 52.5   | ug/L | 105 | 13  | *    |      | 71  | 103    | 20  |
|               | Benzo(a)anthracene     | 50    | 56.0   | ug/L | 112 | 15  | *    |      | 62  | 107    | 20  |
|               | Chrysene               | 50    | 54.9   | ug/L | 110 | 12  | *    |      | 61  | 108    | 20  |
|               | Benzo(b)fluoranthene   | 50    | 55.5   | ug/L | 111 | 16  |      |      | 77  | 113    | 20  |
|               | Benzo(k)fluoranthene   | 50    | 54.0   | ug/L | 108 | 10  | *    |      | 77  | 105    | 20  |
|               | Benzo(a)pyrene         | 50    | 62.5   | ug/L | 125 | 18  |      |      | 72  | 131    | 20  |
|               | Indeno(1,2,3-cd)pyrene | 50    | 49.9   | ug/L | 100 | 5   |      |      | 72  | 105    | 20  |
|               | Dibenz(a,h)anthracene  | 50    | 49.7   | ug/L | 99  | 5   |      |      | 78  | 115    | 20  |
|               | Benzo(g,h,i)perylene   | 50    | 49.2   | ug/L | 98  | 11  |      |      | 75  | 118    | 20  |

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB165296BL

Lab Name: CHEMTECH

Contract: LIRO01

Lab Code: CHEM Case No.: P5021

SAS No.: P5021 SDG NO.: P5021

Lab File ID: BF140682.D

Lab Sample ID: PB165296BL

Instrument ID: BNA\_F

Date Extracted: 11/27/2024

Matrix: (soil/water) Water

Date Analyzed: 12/02/2024

Level: (low/med) LOW

Time Analyzed: 10:57

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 |
|-------------------|------------------|----------------|------------------|
| PB165296BS        | PB165296BS       | BF140683.D     | 12/02/2024       |
| PB165296BSD       | PB165296BSD      | BF140684.D     | 12/02/2024       |
| MW-13             | P5021-05         | BF140688.D     | 12/02/2024       |
| MW-08             | P5021-02         | BF140710.D     | 12/03/2024       |
| MW-10             | P5021-03         | BF140711.D     | 12/03/2024       |
| MW-12             | P5021-06         | BF140712.D     | 12/03/2024       |
| MW-06             | P5021-01         | BF140691.D     | 12/02/2024       |
| MW-11             | P5021-04         | BF140689.D     | 12/02/2024       |

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

\_\_\_\_\_



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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECHContract: LIR001Lab Code: CHEMSAS No.: P5021 SDG NO.: P5021Lab File ID: BF140526.DDFTPP Injection Date: 11/21/2024Instrument ID: BNA\_FDFTPP Injection Time: 10:17

| m/e | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 51  | 10.0 - 80.0% of mass 198           | 33.3                 |
| 68  | Less than 2.0% of mass 69          | 0.6 ( 1.8 ) 1        |
| 69  | Mass 69 relative abundance         | 35.5                 |
| 70  | Less than 2.0% of mass 69          | 0.3 ( 0.7 ) 1        |
| 127 | 10.0 - 80.0% of mass 198           | 48                   |
| 197 | Less than 2.0% of mass 198         | 0.0                  |
| 198 | Base Peak, 100% relative abundance | 100                  |
| 199 | 5.0 to 9.0% of mass 198            | 6.8                  |
| 275 | 10.0 - 60.0% of mass 198           | 29.2                 |
| 365 | Greater than 1% of mass 198        | 3.8                  |
| 441 | Present, but less than mass 443    | 15.7                 |
| 442 | Greater than 50% of mass 198       | 99.8                 |
| 443 | 15.0 - 24.0% of mass 442           | 18.1 ( 18.1 ) 2      |

1-Value is % mass 69

2-Value is % mass 442

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

| EPA<br>SAMPLE NO. | LAB<br>SAMPLE ID | LAB<br>FILE ID | DATE<br>ANALYZED | TIME<br>ANALYZED |
|-------------------|------------------|----------------|------------------|------------------|
| SSTDICC2.5        | SSTDICC2.5       | BF140528.D     | 11/21/2024       | 11:13            |
| SSTDICC005        | SSTDICC005       | BF140529.D     | 11/21/2024       | 11:39            |
| SSTDICC010        | SSTDICC010       | BF140530.D     | 11/21/2024       | 12:05            |
| SSTDICC020        | SSTDICC020       | BF140531.D     | 11/21/2024       | 12:32            |
| SSTDICCC040       | SSTDICCC040      | BF140532.D     | 11/21/2024       | 12:58            |
| SSTDICC050        | SSTDICC050       | BF140533.D     | 11/21/2024       | 13:25            |
| SSTDICC060        | SSTDICC060       | BF140534.D     | 11/21/2024       | 13:51            |
| SSTDICC080        | SSTDICC080       | BF140535.D     | 11/21/2024       | 14:18            |



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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECHContract: LIRO01Lab Code: CHEMSAS No.: P5021 SDG NO.: P5021Lab File ID: BF140680.DDFTPP Injection Date: 12/02/2024Instrument ID: BNA\_FDFTPP Injection Time: 09:05

| m/e | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 51  | 10.0 - 80.0% of mass 198           | 32.7                 |
| 68  | Less than 2.0% of mass 69          | 0.7 ( 1.9 ) 1        |
| 69  | Mass 69 relative abundance         | 35                   |
| 70  | Less than 2.0% of mass 69          | 0.2 ( 0.5 ) 1        |
| 127 | 10.0 - 80.0% of mass 198           | 45.9                 |
| 197 | Less than 2.0% of mass 198         | 0.0                  |
| 198 | Base Peak, 100% relative abundance | 100                  |
| 199 | 5.0 to 9.0% of mass 198            | 6.5                  |
| 275 | 10.0 - 60.0% of mass 198           | 29.2                 |
| 365 | Greater than 1% of mass 198        | 3.7                  |
| 441 | Present, but less than mass 443    | 15.4                 |
| 442 | Greater than 50% of mass 198       | 100                  |
| 443 | 15.0 - 24.0% of mass 442           | 18.4 ( 18.4 ) 2      |

1-Value is % mass 69

2-Value is % mass 442

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

| EPA<br>SAMPLE NO. | LAB<br>SAMPLE ID | LAB<br>FILE ID | DATE<br>ANALYZED | TIME<br>ANALYZED |
|-------------------|------------------|----------------|------------------|------------------|
| SSTDCCC040        | SSTDCCC040       | BF140681.D     | 12/02/2024       | 10:22            |
| PB165296BL        | PB165296BL       | BF140682.D     | 12/02/2024       | 10:57            |
| PB165296BS        | PB165296BS       | BF140683.D     | 12/02/2024       | 11:23            |
| PB165296BSD       | PB165296BSD      | BF140684.D     | 12/02/2024       | 11:49            |
| MW-13             | P5021-05         | BF140688.D     | 12/02/2024       | 15:03            |
| MW-11             | P5021-04         | BF140689.D     | 12/02/2024       | 15:29            |
| MW-06             | P5021-01         | BF140691.D     | 12/02/2024       | 16:21            |



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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECHContract: LIR001Lab Code: CHEMSAS No.: P5021 SDG NO.: P5021Lab File ID: BF140701.DDFTPP Injection Date: 12/03/2024Instrument ID: BNA\_FDFTPP Injection Time: 10:24

| m/e | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 51  | 10.0 - 80.0% of mass 198           | 32.9                 |
| 68  | Less than 2.0% of mass 69          | 0.6 ( 1.8 ) 1        |
| 69  | Mass 69 relative abundance         | 35                   |
| 70  | Less than 2.0% of mass 69          | 0.2 ( 0.6 ) 1        |
| 127 | 10.0 - 80.0% of mass 198           | 46.7                 |
| 197 | Less than 2.0% of mass 198         | 0.0                  |
| 198 | Base Peak, 100% relative abundance | 100                  |
| 199 | 5.0 to 9.0% of mass 198            | 6.6                  |
| 275 | 10.0 - 60.0% of mass 198           | 28.2                 |
| 365 | Greater than 1% of mass 198        | 3.4                  |
| 441 | Present, but less than mass 443    | 15.6                 |
| 442 | Greater than 50% of mass 198       | 100                  |
| 443 | 15.0 - 24.0% of mass 442           | 18.7 ( 18.7 ) 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       | BF140702.D     | 12/03/2024       | 11:24            |
| MW-08             | P5021-02         | BF140710.D     | 12/03/2024       | 14:59            |
| MW-10             | P5021-03         | BF140711.D     | 12/03/2024       | 15:24            |
| MW-12             | P5021-06         | BF140712.D     | 12/03/2024       | 15:50            |

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P5021 SAS No.: P5021 SDG NO.: P5021

EPA Sample No.: SSTDCCC040 Date Analyzed: 12/02/2024

Lab File ID: BF140681.D Time Analyzed: 10:22

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    | 83338               | 6.869 | 303615              | 8.15  | 170338              | 9.91  |
| UPPER LIMIT    | 166676              | 7.369 | 607230              | 8.651 | 340676              | 10.41 |
| LOWER LIMIT    | 41669               | 6.369 | 151808              | 7.651 | 85169               | 9.41  |
| EPA SAMPLE NO. |                     |       |                     |       |                     |       |
| 01 PB165296BL  | 73230               | 6.87  | 279727              | 8.15  | 158263              | 9.90  |
| 02 PB165296BS  | 84060               | 6.87  | 323501              | 8.15  | 181370              | 9.91  |
| 03 PB165296BSD | 80604               | 6.87  | 308077              | 8.15  | 176945              | 9.91  |
| 04 MW-06       | 82990               | 6.87  | 310195              | 8.15  | 187284              | 9.90  |
| 05 MW-11       | 78955               | 6.87  | 302257              | 8.15  | 171220              | 9.90  |
| 06 MW-13       | 82130               | 6.87  | 307028              | 8.15  | 174760              | 9.90  |

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.: P5021 SAS No.: P5021 SDG NO.: P5021

EPA Sample No.: SSTDCCC040 Date Analyzed: 12/02/2024

Lab File ID: BF140681.D Time Analyzed: 10:22

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    | 321182              | 11.398 | 183379              | 14.063 | 159952              | 15.58 |
| UPPER LIMIT    | 642364              | 11.898 | 366758              | 14.563 | 319904              | 16.08 |
| LOWER LIMIT    | 160591              | 10.898 | 91689.5             | 13.563 | 79976               | 15.08 |
| EPA SAMPLE NO. |                     |        |                     |        |                     |       |
| 01 PB165296BL  | 307927              | 11.40  | 198812              | 14.07  | 157266              | 15.60 |
| 02 PB165296BS  | 351850              | 11.40  | 225717              | 14.06  | 182835              | 15.58 |
| 03 PB165296BSD | 364189              | 11.40  | 185704              | 14.06  | 166131              | 15.57 |
| 04 MW-06       | 343851              | 11.40  | 220062              | 14.05  | 186765              | 15.55 |
| 05 MW-11       | 321567              | 11.40  | 192319              | 14.05  | 156519              | 15.57 |
| 06 MW-13       | 319066              | 11.40  | 197195              | 14.05  | 158239              | 15.57 |

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.: P5021 SAS No.: P5021 SDG NO.: P5021

EPA Sample No.: SSTDCCC040 Date Analyzed: 12/03/2024

Lab File ID: BF140702.D Time Analyzed: 11:24

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    | 78577               | 6.869 | 287976              | 8.15  | 161859              | 9.91  |
| UPPER LIMIT    | 157154              | 7.369 | 575952              | 8.651 | 323718              | 10.41 |
| LOWER LIMIT    | 39288.5             | 6.369 | 143988              | 7.651 | 80929.5             | 9.41  |
| EPA SAMPLE NO. |                     |       |                     |       |                     |       |
| 01 MW-08       | 83408               | 6.87  | 298688              | 8.15  | 174661              | 9.90  |
| 02 MW-10       | 70972               | 6.87  | 269570              | 8.15  | 149746              | 9.90  |
| 03 MW-12       | 67828               | 6.87  | 251382              | 8.15  | 155575              | 9.90  |

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.: P5021 SAS No.: P5021 SDG NO.: P5021

EPA Sample No.: SSTDCCC040 Date Analyzed: 12/03/2024

Lab File ID: BF140702.D Time Analyzed: 11:24

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    | 309121              | 11.398 | 178961              | 14.057 | 151018              | 15.568 |
| UPPER LIMIT    | 618242              | 11.898 | 357922              | 14.557 | 302036              | 16.068 |
| LOWER LIMIT    | 154561              | 10.898 | 89480.5             | 13.557 | 75509               | 15.068 |
| EPA SAMPLE NO. |                     |        |                     |        |                     |        |
| 01 MW-08       | 305249              | 11.40  | 169161              | 14.05  | 157526              | 15.56  |
| 02 MW-10       | 271510              | 11.40  | 165452              | 14.05  | 151648              | 15.57  |
| 03 MW-12       | 260123              | 11.40  | 154428              | 14.05  | 130761              | 15.56  |

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:            | LiRo Engineers, Inc.  | Date Collected: | 11/26/24      |
| Project:           | RFK Bridge            | Date Received:  | 11/27/24      |
| Client Sample ID:  | MW-06                 | SDG No.:        | P5021         |
| Lab Sample ID:     | P5021-01              | Matrix:         | Water         |
| Analytical Method: | SW8270                | % Solid:        | 0             |
| Sample Wt/Vol:     | 980      Units:    mL | Final Vol:      | 1000      uL  |
| Soil Aliquot Vol:  | uL                    | Test:           | SVOCMS Group1 |
| Extraction Type :  | Decanted :    N       | Level :         | LOW           |
| Injection Volume : | GPC Factor :    1.0   | GPC Cleanup :   | N      PH :   |
| Prep Method :      | SW3510C               |                 |               |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BF140691.D        | 1         | 11/27/24 08:40 | 12/02/24 16:21 | PB165296      |

| CAS Number                | Parameter              | Conc.  | Qualifier | MDL      | LOQ / CRQL | Units    |
|---------------------------|------------------------|--------|-----------|----------|------------|----------|
| <b>TARGETS</b>            |                        |        |           |          |            |          |
| 208-96-8                  | Acenaphthylene         | 5.10   | UQ        | 1.10     | 5.10       | ug/L     |
| 83-32-9                   | Acenaphthene           | 11.8   |           | 0.83     | 5.10       | ug/L     |
| 86-73-7                   | Fluorene               | 5.20   |           | 0.98     | 5.10       | ug/L     |
| 85-01-8                   | Phenanthrene           | 5.10   | U         | 0.91     | 5.10       | ug/L     |
| 120-12-7                  | Anthracene             | 2.70   | J         | 1.10     | 5.10       | ug/L     |
| 206-44-0                  | Fluoranthene           | 8.90   |           | 1.30     | 5.10       | ug/L     |
| 129-00-0                  | Pyrene                 | 6.80   | Q         | 1.10     | 5.10       | ug/L     |
| 56-55-3                   | Benzo(a)anthracene     | 5.10   | UQ        | 0.96     | 5.10       | ug/L     |
| 218-01-9                  | Chrysene               | 5.10   | UQ        | 0.88     | 5.10       | ug/L     |
| 205-99-2                  | Benzo(b)fluoranthene   | 5.10   | U         | 1.20     | 5.10       | ug/L     |
| 207-08-9                  | Benzo(k)fluoranthene   | 5.10   | UQ        | 1.20     | 5.10       | ug/L     |
| 50-32-8                   | Benzo(a)pyrene         | 5.10   | U         | 1.70     | 5.10       | ug/L     |
| 193-39-5                  | Indeno(1,2,3-cd)pyrene | 5.10   | U         | 1.00     | 5.10       | ug/L     |
| 53-70-3                   | Dibenzo(a,h)anthracene | 5.10   | U         | 1.20     | 5.10       | ug/L     |
| 191-24-2                  | Benzo(g,h,i)perylene   | 5.10   | U         | 1.20     | 5.10       | ug/L     |
| <b>SURROGATES</b>         |                        |        |           |          |            |          |
| 4165-60-0                 | Nitrobenzene-d5        | 89.8   |           | 49 - 133 | 90%        | SPK: 100 |
| 321-60-8                  | 2-Fluorobiphenyl       | 83.0   |           | 52 - 132 | 83%        | SPK: 100 |
| 1718-51-0                 | Terphenyl-d14          | 80.1   |           | 48 - 125 | 80%        | SPK: 100 |
| <b>INTERNAL STANDARDS</b> |                        |        |           |          |            |          |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4 | 83000  |           | 6.869    |            |          |
| 1146-65-2                 | Naphthalene-d8         | 310000 |           | 8.151    |            |          |
| 15067-26-2                | Acenaphthene-d10       | 187000 |           | 9.904    |            |          |
| 1517-22-2                 | Phenanthrene-d10       | 344000 |           | 11.398   |            |          |
| 1719-03-5                 | Chrysene-d12           | 220000 |           | 14.045   |            |          |
| 1520-96-3                 | Perylene-d12           | 187000 |           | 15.551   |            |          |

## Report of Analysis

|                    |                       |                 |               |
|--------------------|-----------------------|-----------------|---------------|
| Client:            | LiRo Engineers, Inc.  | Date Collected: | 11/26/24      |
| Project:           | RFK Bridge            | Date Received:  | 11/27/24      |
| Client Sample ID:  | MW-06                 | SDG No.:        | P5021         |
| Lab Sample ID:     | P5021-01              | Matrix:         | Water         |
| Analytical Method: | SW8270                | % Solid:        | 0             |
| Sample Wt/Vol:     | 980      Units:    mL | Final Vol:      | 1000      uL  |
| Soil Aliquot Vol:  | uL                    | Test:           | SVOCMS Group1 |
| Extraction Type :  | Decanted :    N       | Level :         | LOW           |
| Injection Volume : | GPC Factor :    1.0   | GPC Cleanup :   | N      PH :   |
| Prep Method :      | SW3510C               |                 |               |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BF140691.D        | 1         | 11/27/24 08:40 | 12/02/24 16:21 | PB165296      |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|------------|-----------|-------|-----------|-----|------------|-------|
|------------|-----------|-------|-----------|-----|------------|-------|

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\BF120224\  
 Data File : BF140691.D  
 Acq On : 02 Dec 2024 16:21  
 Operator : RC/JU  
 Sample : P5021-01  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-06

Quant Time: Dec 02 16:41:49 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF112124.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Nov 21 15:23:48 2024  
 Response via : Initial Calibration

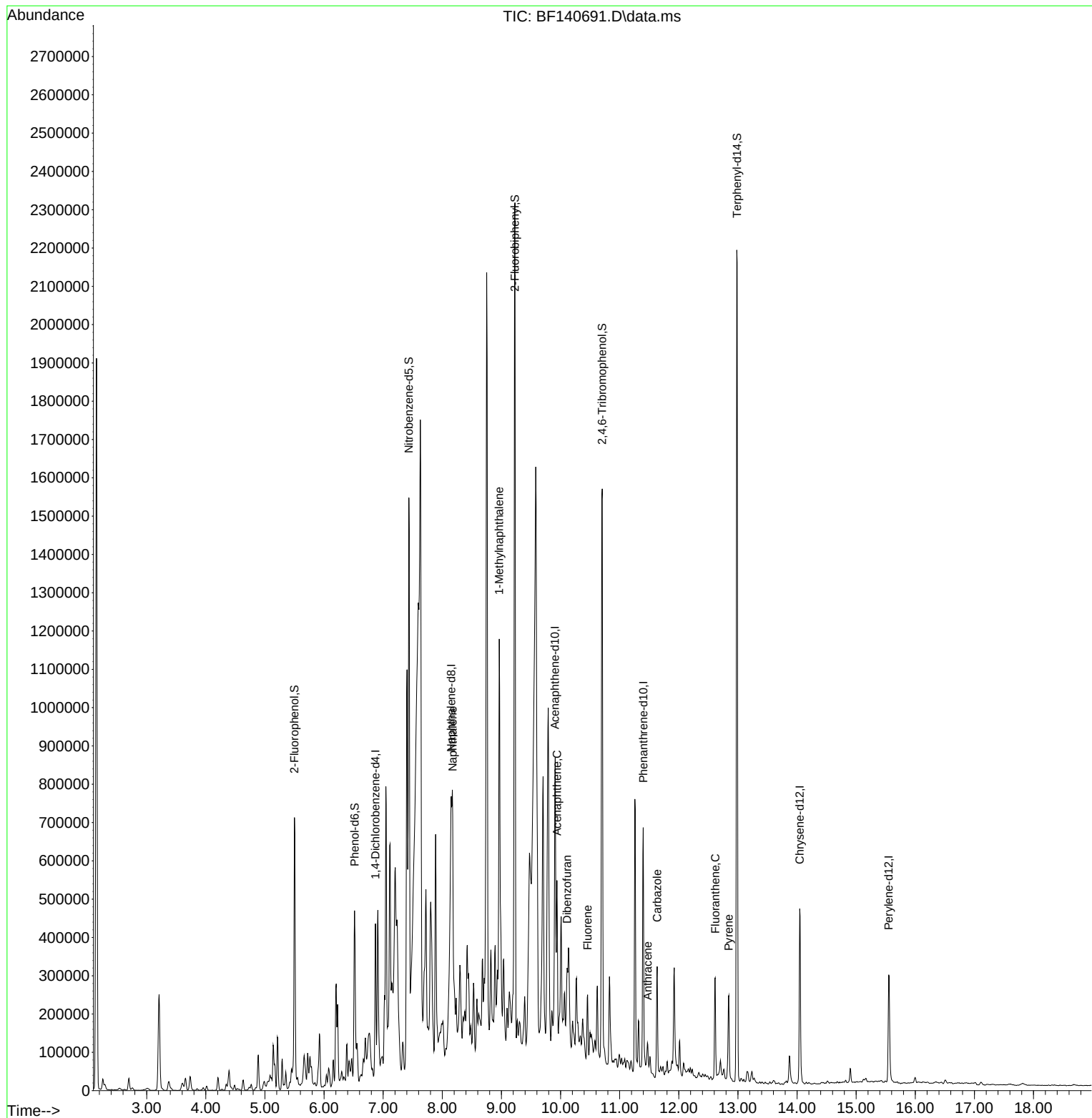
| Compound                    | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-----------------------------|--------|------|----------|---------|-------|----------|
| -----                       |        |      |          |         |       |          |
| Internal Standards          |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 6.869  | 152  | 82990    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.151  | 136  | 310195   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 9.904  | 164  | 187284   | 20.000  | ng    | -0.01    |
| 64) Phenanthrene-d10        | 11.398 | 188  | 343851   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12            | 14.045 | 240  | 220062   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12            | 15.551 | 264  | 186765   | 20.000  | ng    | 0.01     |
| System Monitoring Compounds |        |      |          |         |       |          |
| 5) 2-Fluorophenol           | 5.499  | 112  | 287973   | 59.205  | ng    | 0.00     |
| 7) Phenol-d6                | 6.516  | 99   | 240971   | 37.474  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.434  | 82   | 544788   | 89.834  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.704 | 330  | 272629   | 136.109 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.228  | 172  | 1043034  | 82.979  | ng    | 0.00     |
| 79) Terphenyl-d14           | 12.986 | 244  | 1132151  | 80.110  | ng    | 0.00     |
| Target Compounds            |        |      |          |         |       |          |
|                             |        |      |          |         |       | Qvalue   |
| 31) Naphthalene             | 8.175  | 128  | 333789   | 20.891  | ng    | 99       |
| 38) 1-Methylnaphthalene     | 8.963  | 142  | 62926    | 6.326   | ng    | 98       |
| 52) Acenaphthene            | 9.939  | 154  | 117354   | 11.537  | ng    | 99       |
| 55) Dibenzofuran            | 10.110 | 168  | 86370    | 5.567   | ng    | 99       |
| 58) Fluorene                | 10.457 | 166  | 63075    | 5.065   | ng    | 99       |
| 72) Anthracene              | 11.475 | 178  | 42059    | 2.601   | ng    | # 94     |
| 73) Carbazole               | 11.633 | 167  | 157829   | 10.147  | ng    | 100      |
| 75) Fluoranthene            | 12.616 | 202  | 156421   | 8.716   | ng    | 99       |
| 78) Pyrene                  | 12.845 | 202  | 136286   | 6.698   | ng    | 99       |
| -----                       |        |      |          |         |       |          |

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

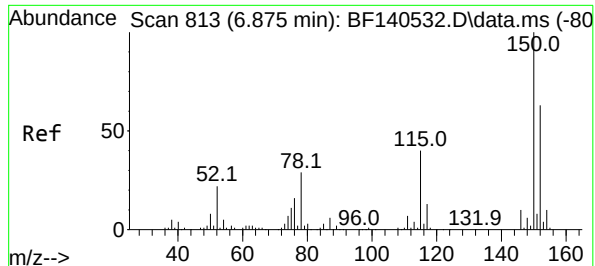
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Data File : BF140691.D  
Acq On : 02 Dec 2024 16:21  
Operator : RC/JU  
Sample : P5021-01  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
MW-06

Quant Time: Dec 02 16:41:49 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF112124.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Nov 21 15:23:48 2024  
Response via : Initial Calibration



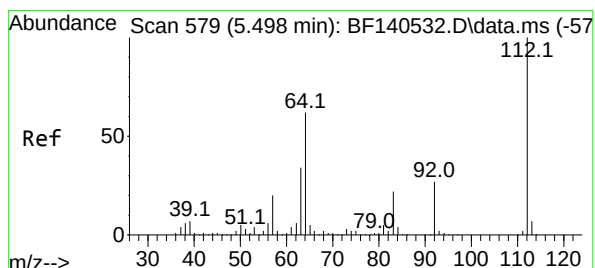
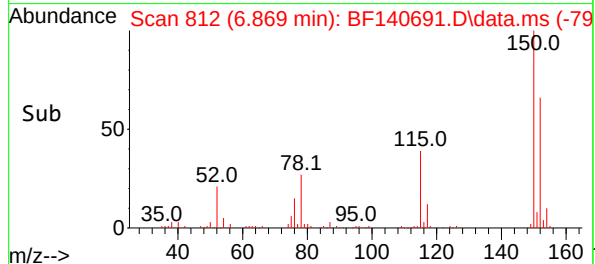
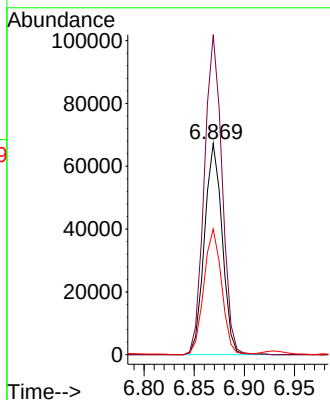
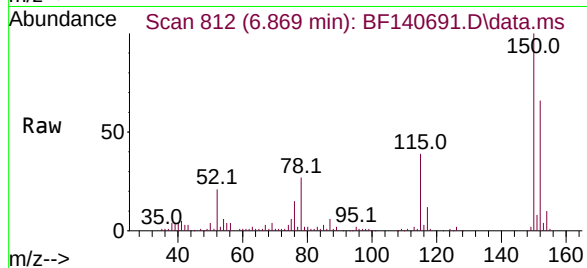




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.869 min Scan# 813  
Delta R.T. -0.006 min  
Lab File: BF140691.D  
Acq: 02 Dec 2024 16:21

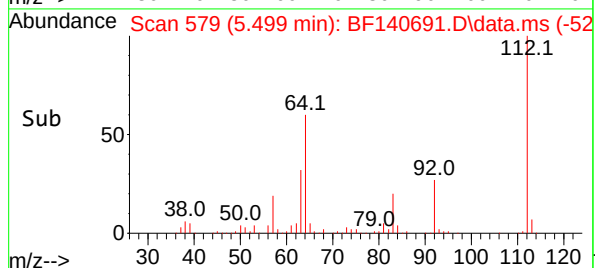
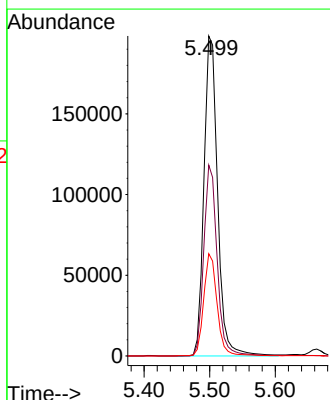
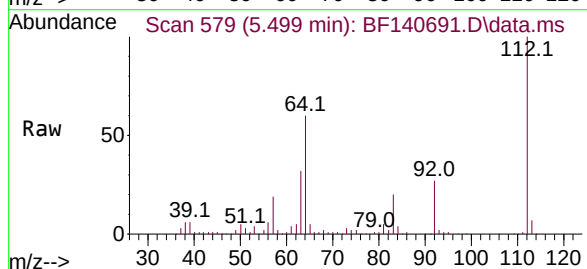
Instrument :  
BNA\_F  
ClientSampleId :  
MW-06

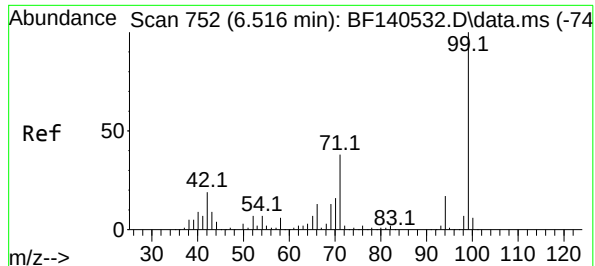
Tgt Ion:152 Resp: 82990  
Ion Ratio Lower Upper  
152 100  
150 151.5 128.5 192.7  
115 59.5 50.2 75.4



#5  
2-Fluorophenol  
Concen: 59.205 ng  
RT: 5.499 min Scan# 579  
Delta R.T. 0.000 min  
Lab File: BF140691.D  
Acq: 02 Dec 2024 16:21

Tgt Ion:112 Resp: 287973  
Ion Ratio Lower Upper  
112 100  
64 59.7 49.2 73.8  
63 31.9 27.0 40.4

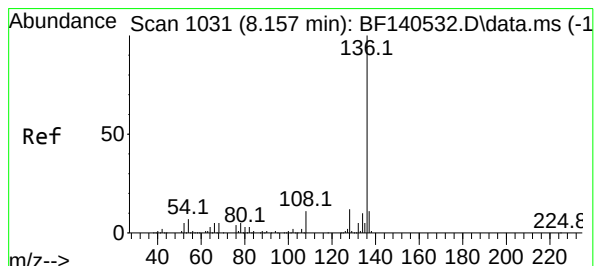
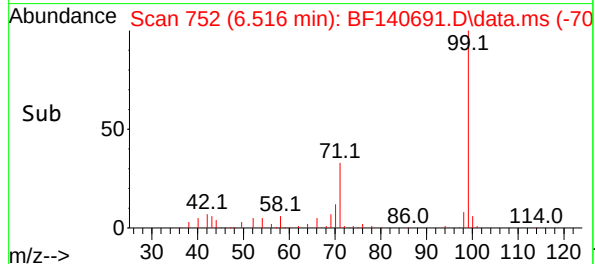
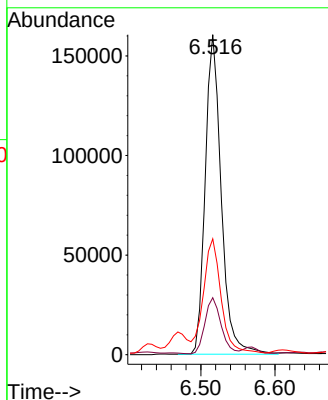
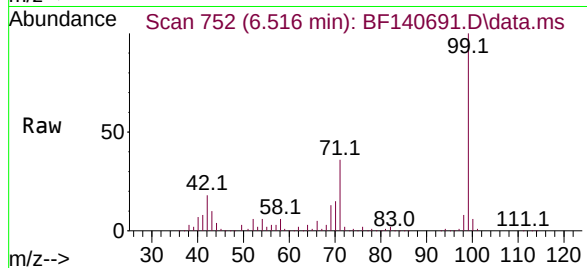




#7  
Phenol-d6  
Concen: 37.474 ng  
RT: 6.516 min Scan# 71  
Delta R.T. 0.000 min  
Lab File: BF140691.D  
Acq: 02 Dec 2024 16:21

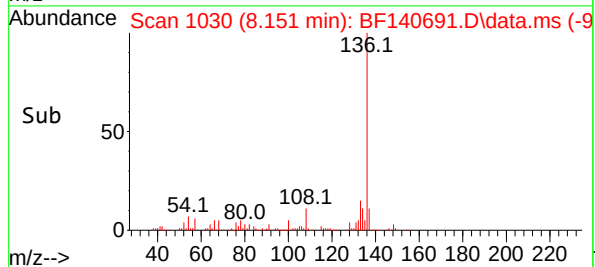
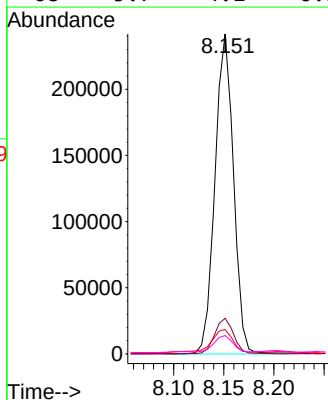
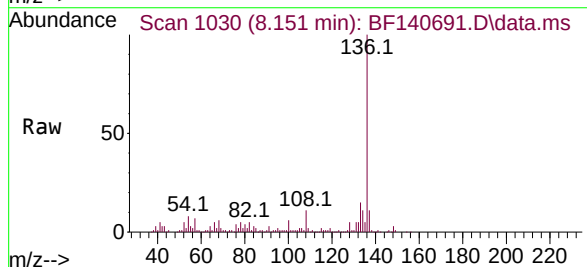
Instrument :  
BNA\_F  
ClientSampleId :  
MW-06

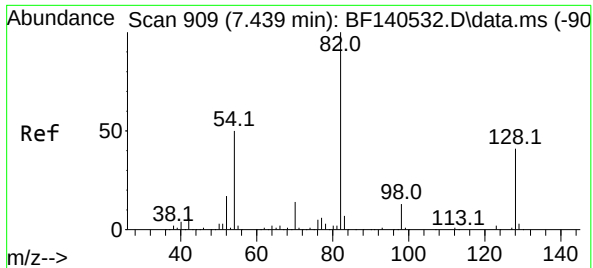
Tgt Ion: 99 Resp: 240971  
Ion Ratio Lower Upper  
99 100  
42 17.8 15.4 23.0  
71 36.2 30.6 46.0



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.151 min Scan# 1030  
Delta R.T. -0.006 min  
Lab File: BF140691.D  
Acq: 02 Dec 2024 16:21

Tgt Ion: 136 Resp: 310195  
Ion Ratio Lower Upper  
136 100  
137 11.2 8.6 13.0  
54 7.6 5.8 8.8  
68 5.7 4.1 6.1





#23

Nitrobenzene-d5

Concen: 89.834 ng

RT: 7.434 min Scan# 90

Delta R.T. -0.006 min

Lab File: BF140691.D

Acq: 02 Dec 2024 16:21

Instrument :

BNA\_F

ClientSampleId :

MW-06

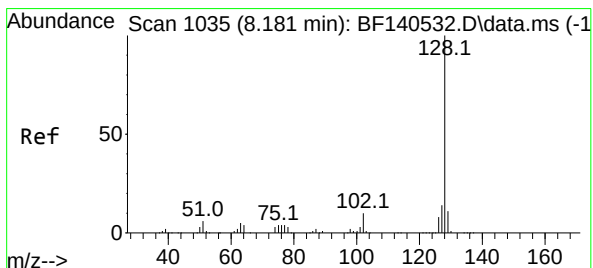
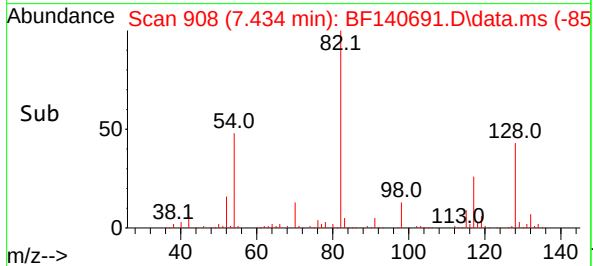
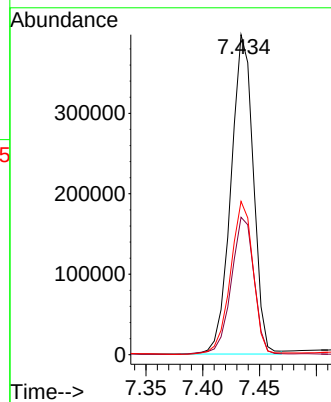
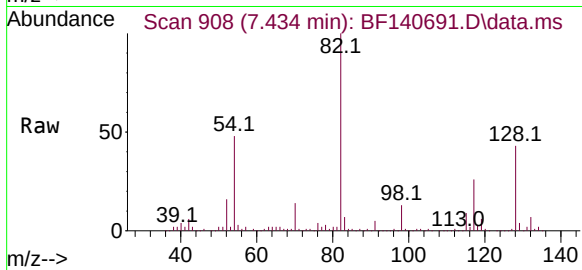
Tgt Ion: 82 Resp: 544788

Ion Ratio Lower Upper

82 100

128 42.9 33.0 49.4

54 47.9 39.5 59.3



#31

Naphthalene

Concen: 20.891 ng

RT: 8.175 min Scan# 1034

Delta R.T. -0.006 min

Lab File: BF140691.D

Acq: 02 Dec 2024 16:21

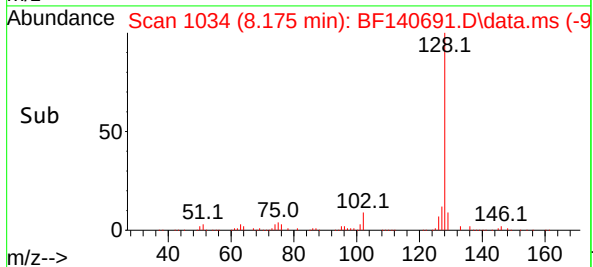
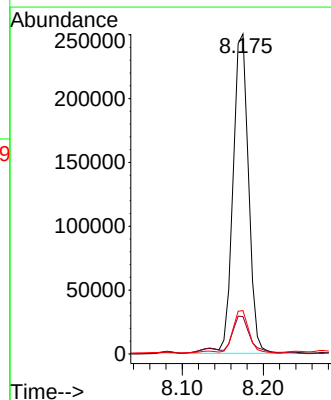
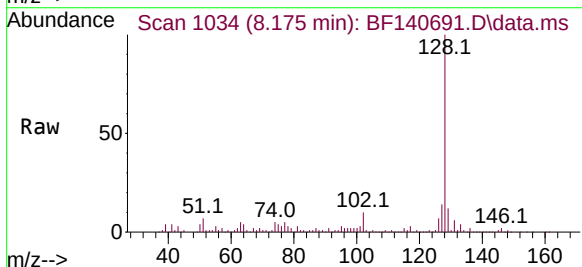
Tgt Ion:128 Resp: 333789

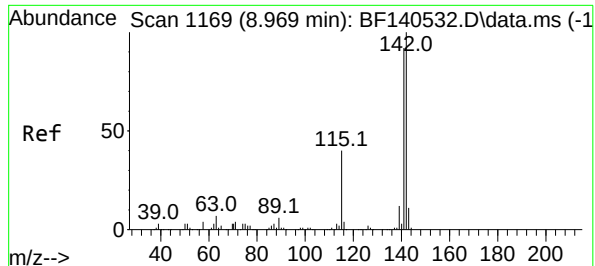
Ion Ratio Lower Upper

128 100

129 11.7 8.6 13.0

127 13.5 10.8 16.2





#38

1-Methylnaphthalene

Concen: 6.326 ng

RT: 8.963 min Scan# 1169

Delta R.T. -0.006 min

Lab File: BF140691.D

Acq: 02 Dec 2024 16:21

Instrument :

BNA\_F

ClientSampleId :

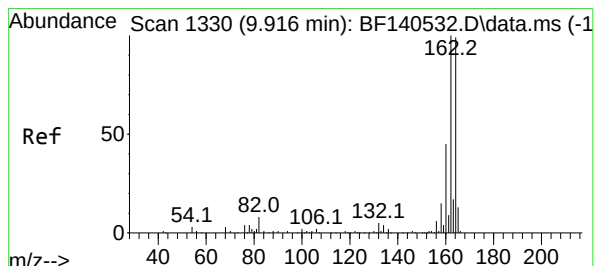
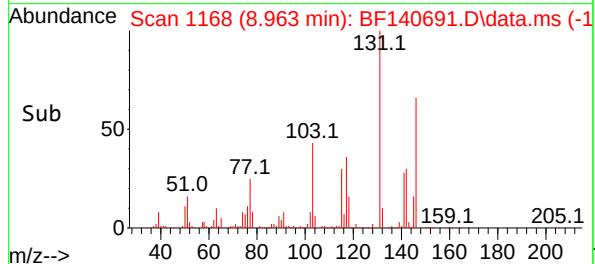
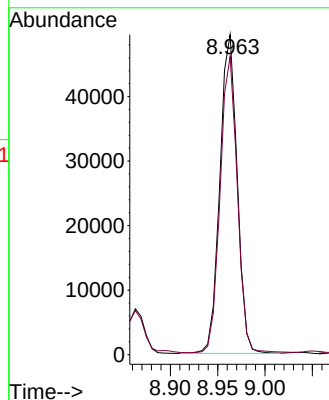
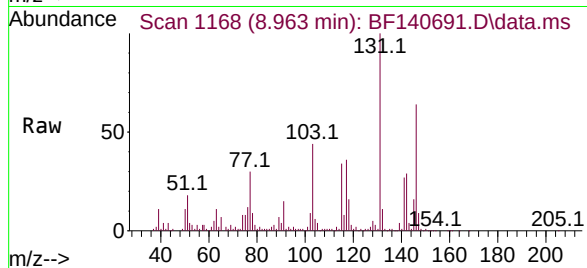
MW-06

Tgt Ion:142 Resp: 62926

Ion Ratio Lower Upper

142 100

141 93.2 73.3 109.9



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.904 min Scan# 1328

Delta R.T. -0.012 min

Lab File: BF140691.D

Acq: 02 Dec 2024 16:21

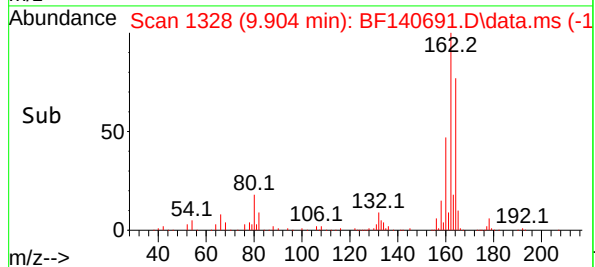
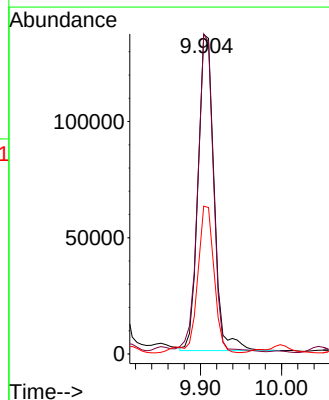
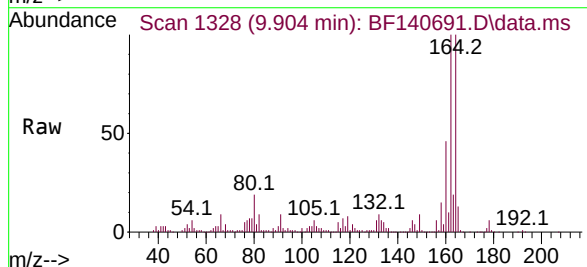
Tgt Ion:164 Resp: 187284

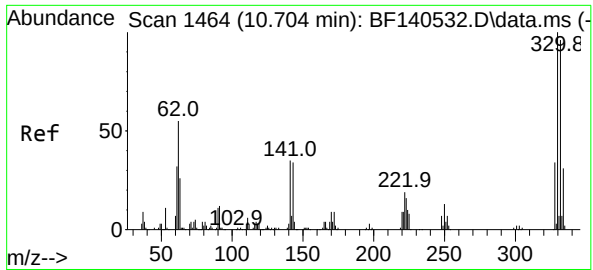
Ion Ratio Lower Upper

164 100

162 100.1 80.6 120.8

160 46.3 36.2 54.4

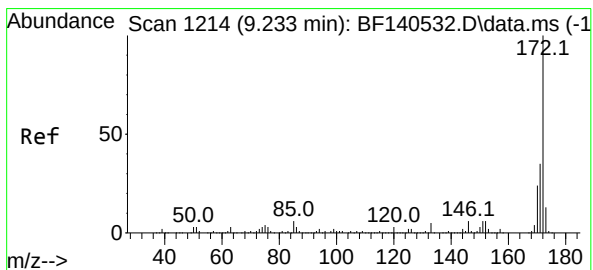
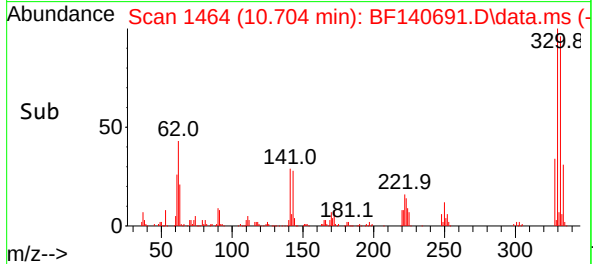
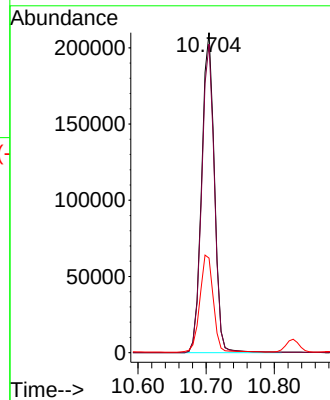
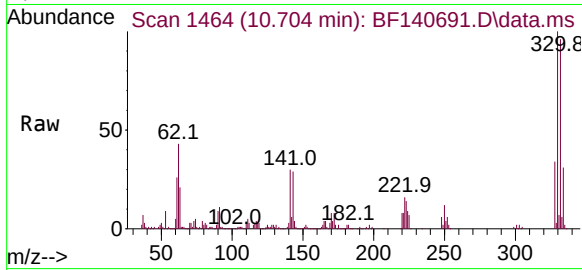




#42  
2,4,6-Tribromophenol  
Concen: 136.109 ng  
RT: 10.704 min Scan# 1464  
Delta R.T. 0.000 min  
Lab File: BF140691.D  
Acq: 02 Dec 2024 16:21

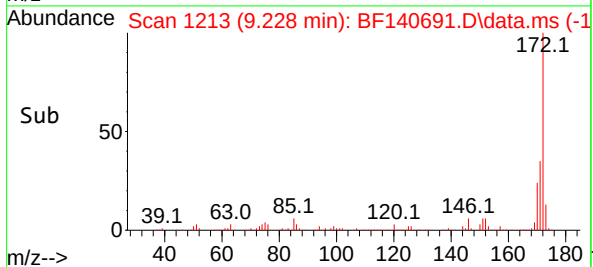
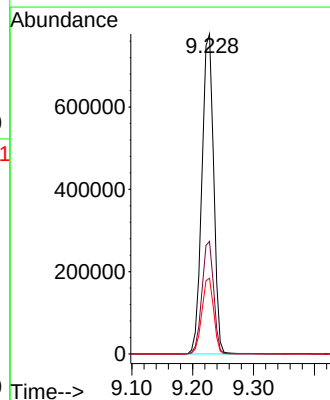
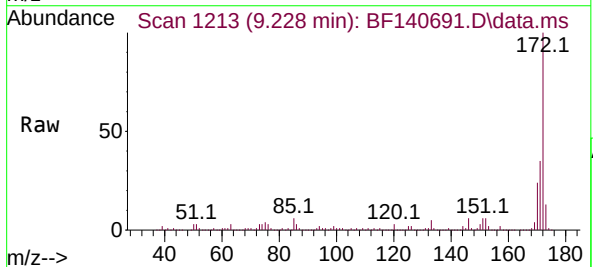
Instrument :  
BNA\_F  
ClientSampleId :  
MW-06

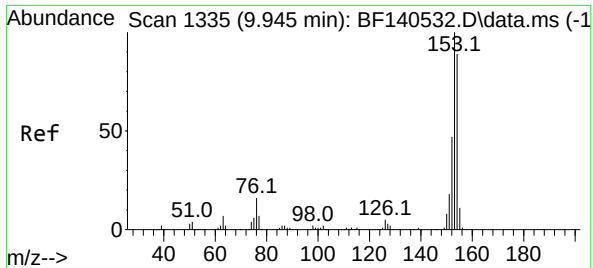
Tgt Ion: 330 Resp: 272629  
Ion Ratio Lower Upper  
330 100  
332 96.6 76.9 115.3  
141 32.1 26.7 40.1



#45  
2-Fluorobiphenyl  
Concen: 82.979 ng  
RT: 9.228 min Scan# 1213  
Delta R.T. -0.006 min  
Lab File: BF140691.D  
Acq: 02 Dec 2024 16:21

Tgt Ion: 172 Resp: 1043034  
Ion Ratio Lower Upper  
172 100  
171 35.2 28.4 42.6  
170 23.6 19.0 28.6

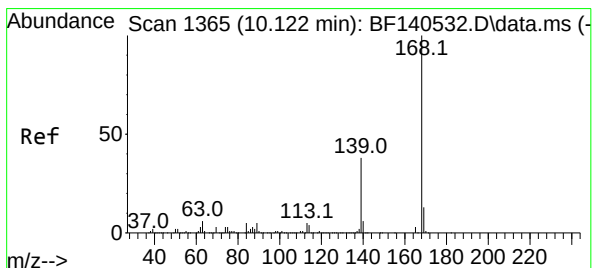
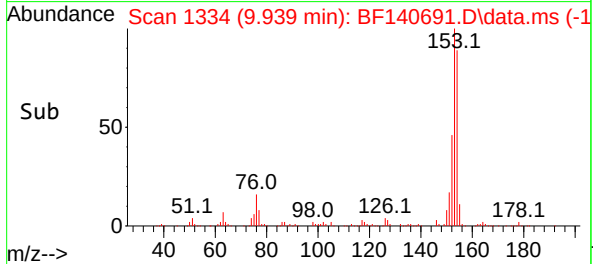
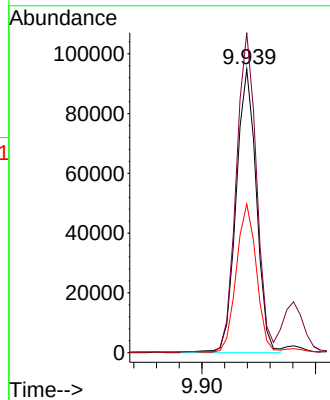
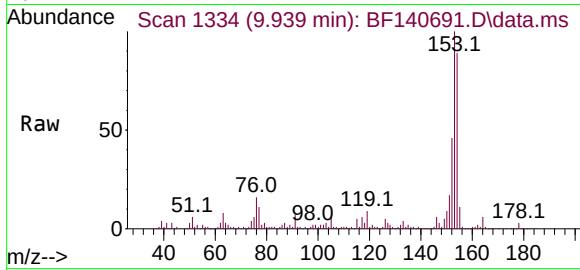




#52  
Acenaphthene  
Concen: 11.537 ng  
RT: 9.939 min Scan# 1334  
Delta R.T. -0.006 min  
Lab File: BF140691.D  
Acq: 02 Dec 2024 16:21

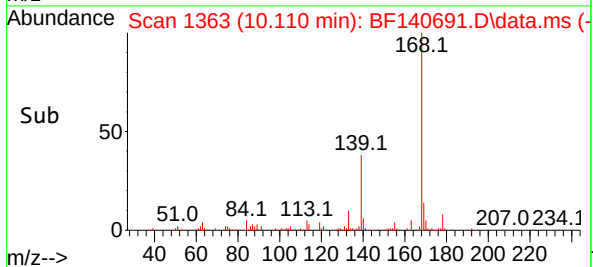
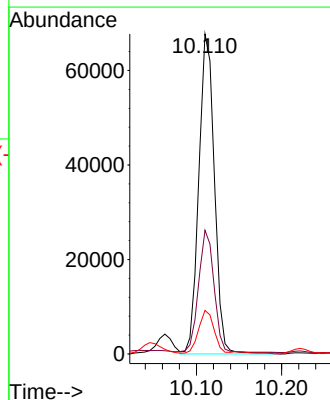
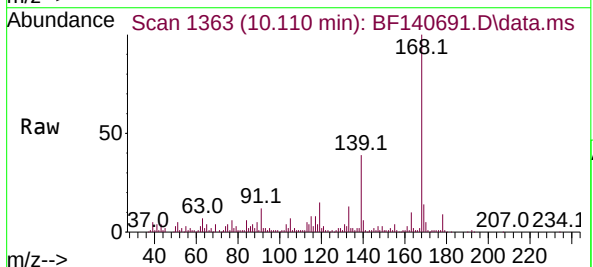
Instrument :  
BNA\_F  
ClientSampleId :  
MW-06

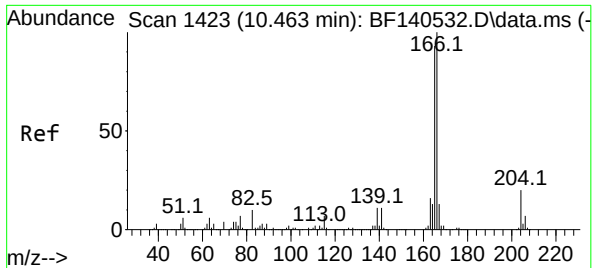
Tgt Ion:154 Resp: 117354  
Ion Ratio Lower Upper  
154 100  
153 112.9 89.7 134.5  
152 52.4 42.5 63.7



#55  
Dibenzofuran  
Concen: 5.567 ng  
RT: 10.110 min Scan# 1363  
Delta R.T. -0.012 min  
Lab File: BF140691.D  
Acq: 02 Dec 2024 16:21

Tgt Ion:168 Resp: 86370  
Ion Ratio Lower Upper  
168 100  
139 38.7 31.3 46.9  
169 13.6 10.5 15.7





#58

Fluorene

Concen: 5.065 ng

RT: 10.457 min Scan# 1423

Delta R.T. -0.006 min

Lab File: BF140691.D

Acq: 02 Dec 2024 16:21

Instrument :

BNA\_F

ClientSampleId :

MW-06

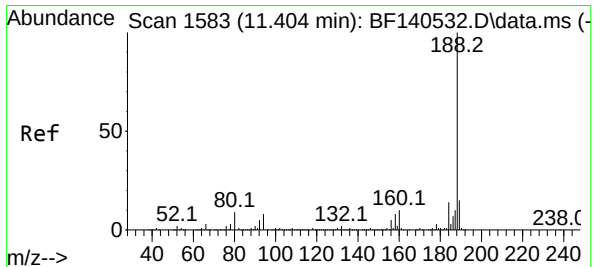
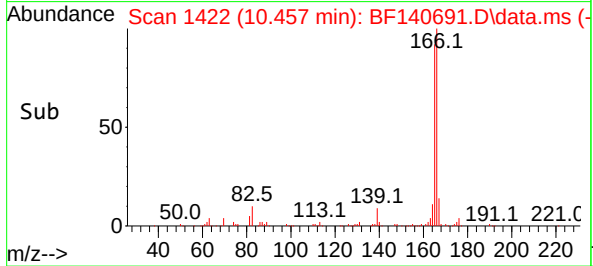
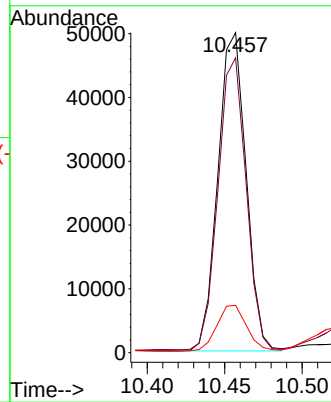
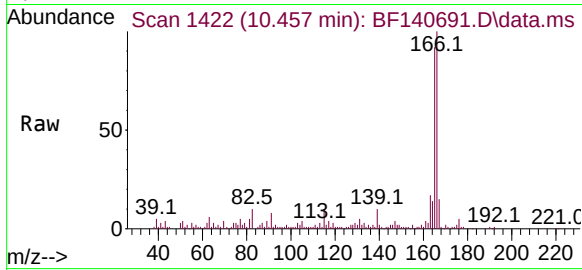
Tgt Ion:166 Resp: 63075

Ion Ratio Lower Upper

166 100

165 92.1 74.6 111.8

167 14.8 10.6 16.0



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.398 min Scan# 1582

Delta R.T. -0.006 min

Lab File: BF140691.D

Acq: 02 Dec 2024 16:21

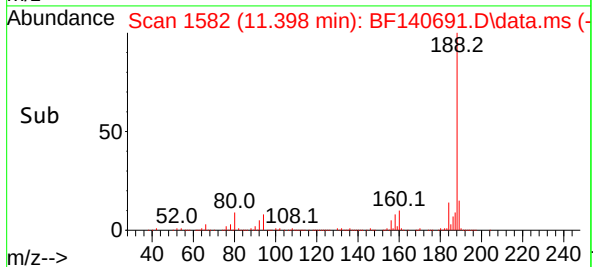
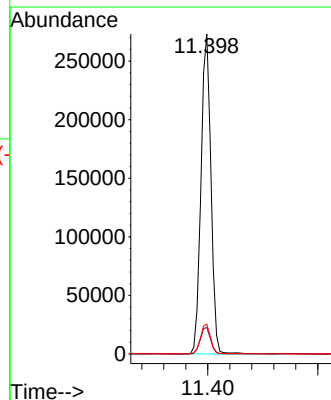
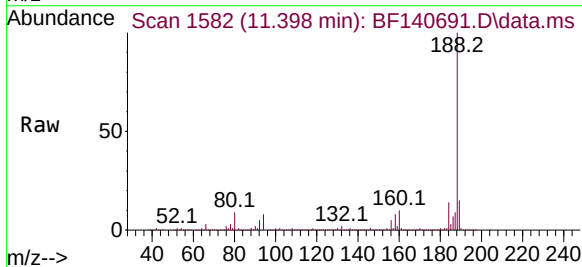
Tgt Ion:188 Resp: 343851

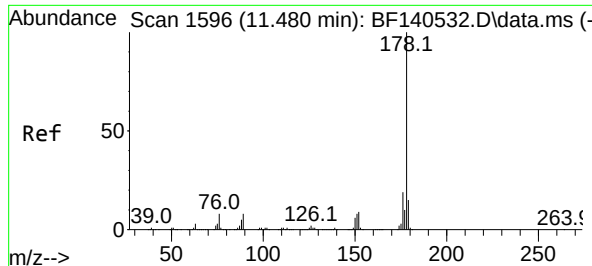
Ion Ratio Lower Upper

188 100

94 8.3 6.4 9.6

80 9.3 6.9 10.3

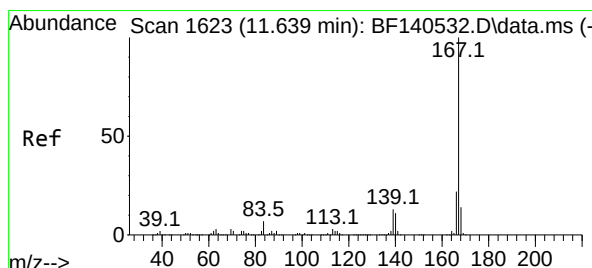
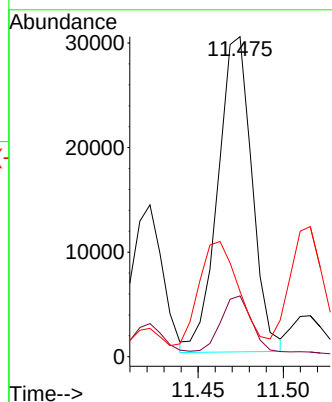
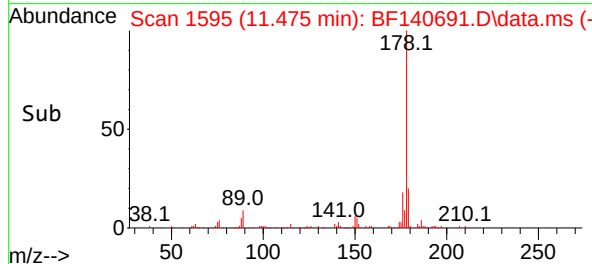
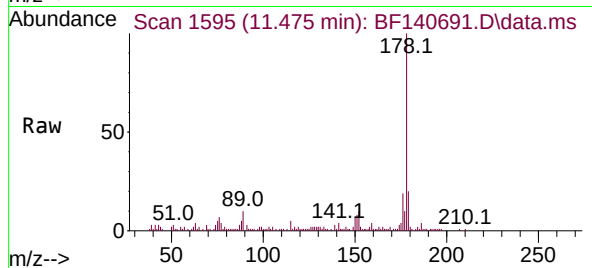




#72  
Anthracene  
Concen: 2.601 ng  
RT: 11.475 min Scan# 1595  
Delta R.T. -0.006 min  
Lab File: BF140691.D  
Acq: 02 Dec 2024 16:21

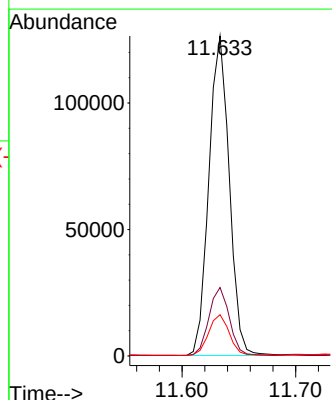
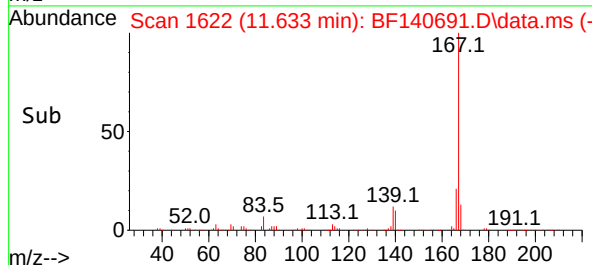
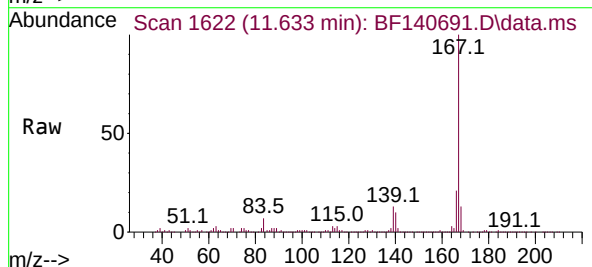
Instrument :  
BNA\_F  
ClientSampleId :  
MW-06

Tgt Ion:178 Resp: 42059  
Ion Ratio Lower Upper  
178 100  
176 19.0 15.0 22.4  
179 20.4 12.2 18.4#

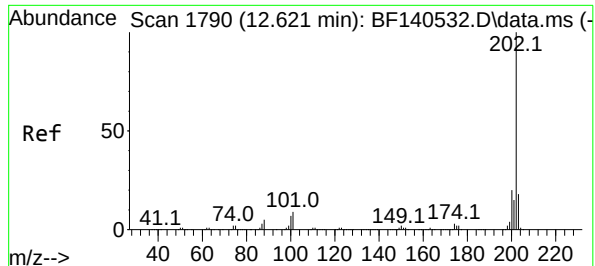


#73  
Carbazole  
Concen: 10.147 ng  
RT: 11.633 min Scan# 1622  
Delta R.T. -0.006 min  
Lab File: BF140691.D  
Acq: 02 Dec 2024 16:21

Tgt Ion:167 Resp: 157829  
Ion Ratio Lower Upper  
167 100  
166 21.4 17.2 25.8  
139 12.9 10.6 15.8



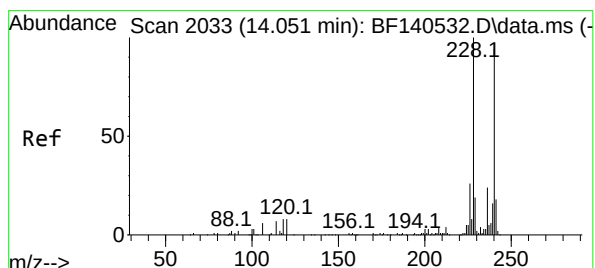
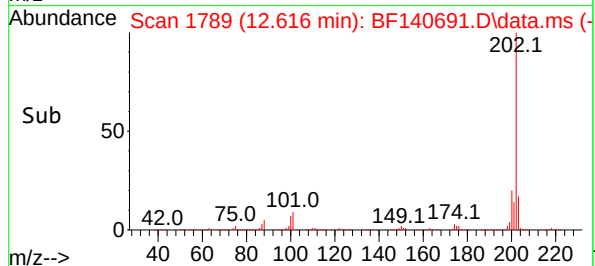
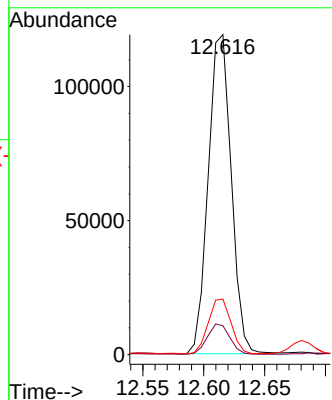
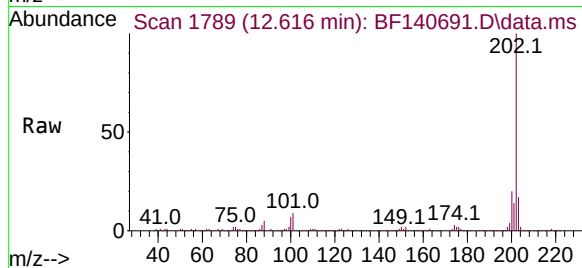




#75  
Fluoranthene  
Concen: 8.716 ng  
RT: 12.616 min Scan# 1  
Delta R.T. -0.006 min  
Lab File: BF140691.D  
Acq: 02 Dec 2024 16:21

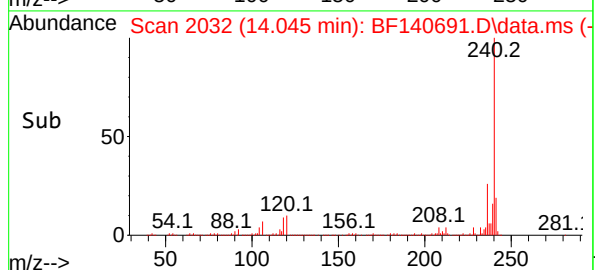
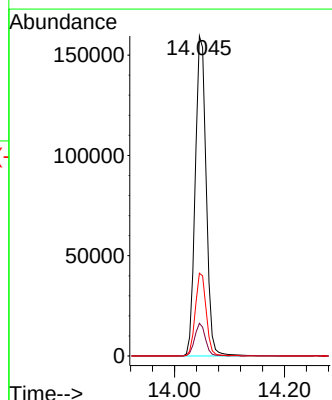
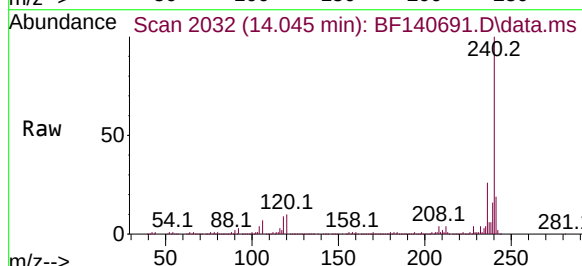
Instrument :  
BNA\_F  
ClientSampleId :  
MW-06

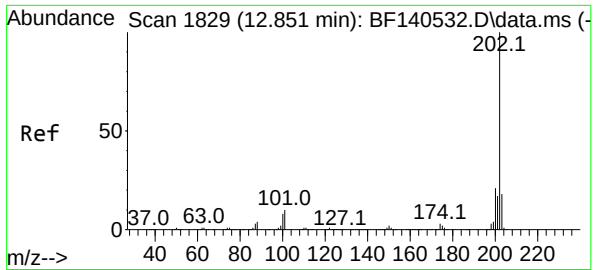
Tgt Ion:202 Resp: 156421  
Ion Ratio Lower Upper  
202 100  
101 9.1 0.0 28.9  
203 17.3 0.0 37.6



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.045 min Scan# 2032  
Delta R.T. -0.006 min  
Lab File: BF140691.D  
Acq: 02 Dec 2024 16:21

Tgt Ion:240 Resp: 220062  
Ion Ratio Lower Upper  
240 100  
120 10.2 7.3 10.9  
236 25.9 20.6 31.0

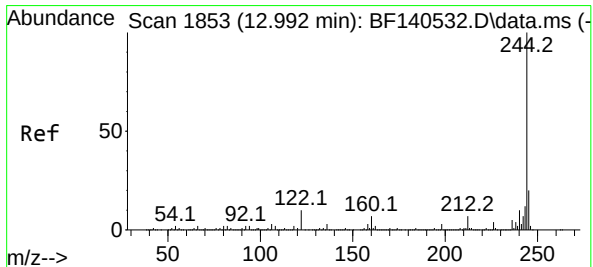
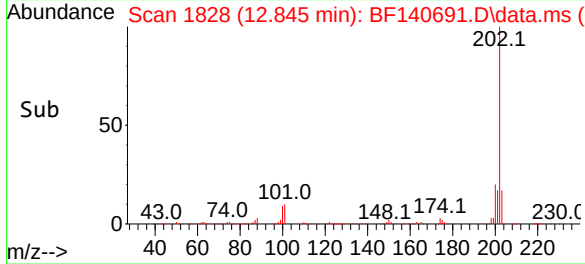
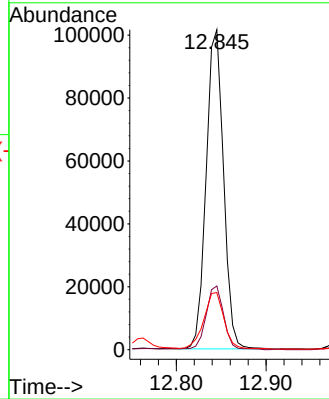
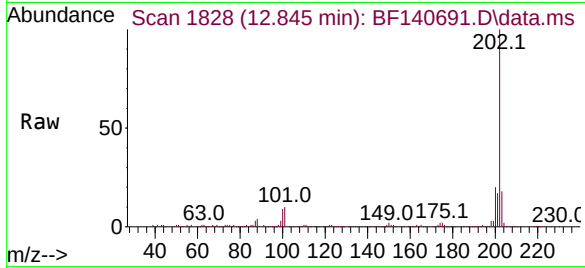




#78  
Pyrene  
Concen: 6.698 ng  
RT: 12.845 min Scan# 1828  
Delta R.T. -0.006 min  
Lab File: BF140691.D  
Acq: 02 Dec 2024 16:21

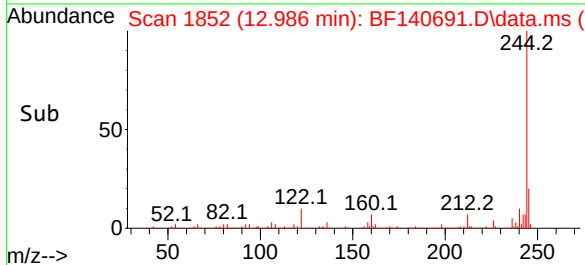
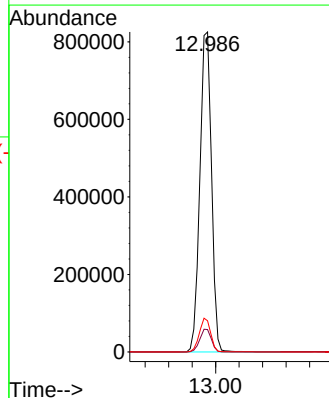
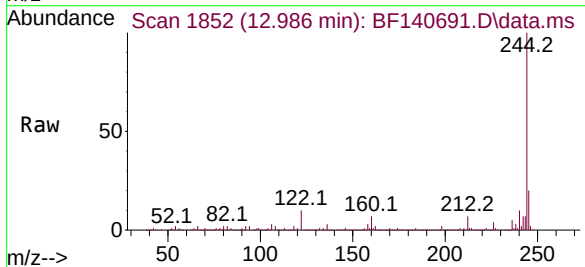
Instrument :  
BNA\_F  
ClientSampleId :  
MW-06

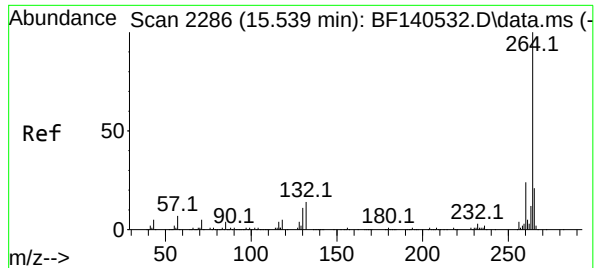
Tgt Ion:202 Resp: 136286  
Ion Ratio Lower Upper  
202 100  
200 19.9 16.5 24.7  
203 17.9 14.2 21.4



#79  
Terphenyl-d14  
Concen: 80.110 ng  
RT: 12.986 min Scan# 1852  
Delta R.T. -0.006 min  
Lab File: BF140691.D  
Acq: 02 Dec 2024 16:21

Tgt Ion:244 Resp: 1132151  
Ion Ratio Lower Upper  
244 100  
212 7.0 5.8 8.8  
122 9.7 8.0 12.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.551 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF140691.D

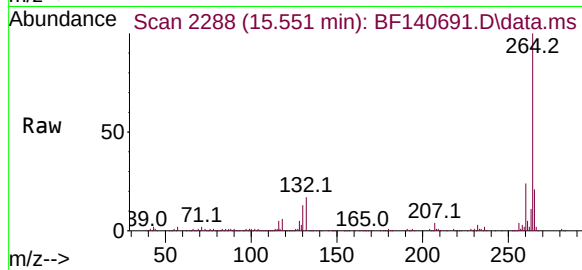
Acq: 02 Dec 2024 16:21

Instrument :

BNA\_F

ClientSampleId :

MW-06



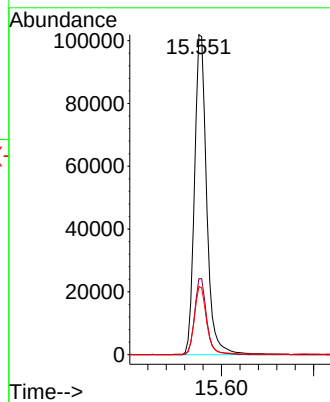
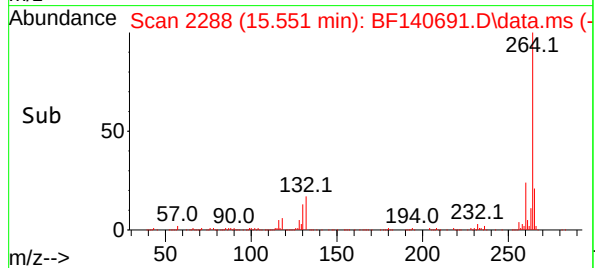
Tgt Ion:264 Resp: 186765

Ion Ratio Lower Upper

264 100

260 23.7 19.0 28.6

265 21.3 16.6 25.0



## Report of Analysis

|                    |                       |                 |               |
|--------------------|-----------------------|-----------------|---------------|
| Client:            | LiRo Engineers, Inc.  | Date Collected: | 11/26/24      |
| Project:           | RFK Bridge            | Date Received:  | 11/27/24      |
| Client Sample ID:  | MW-08                 | SDG No.:        | P5021         |
| Lab Sample ID:     | P5021-02              | Matrix:         | Water         |
| Analytical Method: | SW8270                | % Solid:        | 0             |
| Sample Wt/Vol:     | 990      Units:    mL | Final Vol:      | 1000      uL  |
| Soil Aliquot Vol:  | uL                    | Test:           | SVOCMS Group1 |
| Extraction Type :  | Decanted :    N       | Level :         | LOW           |
| Injection Volume : | GPC Factor :    1.0   | GPC Cleanup :   | N      PH :   |
| Prep Method :      | SW3510C               |                 |               |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BF140710.D        | 1         | 11/27/24 08:40 | 12/03/24 14:59 | PB165296      |

| CAS Number                | Parameter              | Conc.  | Qualifier | MDL      | LOQ / CRQL | Units    |
|---------------------------|------------------------|--------|-----------|----------|------------|----------|
| <b>TARGETS</b>            |                        |        |           |          |            |          |
| 208-96-8                  | Acenaphthylene         | 5.10   | UQ        | 1.10     | 5.10       | ug/L     |
| 83-32-9                   | Acenaphthene           | 5.10   | U         | 0.82     | 5.10       | ug/L     |
| 86-73-7                   | Fluorene               | 5.10   | U         | 0.97     | 5.10       | ug/L     |
| 85-01-8                   | Phenanthrene           | 5.10   | U         | 0.90     | 5.10       | ug/L     |
| 120-12-7                  | Anthracene             | 5.10   | U         | 1.10     | 5.10       | ug/L     |
| 206-44-0                  | Fluoranthene           | 5.10   | U         | 1.30     | 5.10       | ug/L     |
| 129-00-0                  | Pyrene                 | 5.10   | UQ        | 1.10     | 5.10       | ug/L     |
| 56-55-3                   | Benzo(a)anthracene     | 5.10   | UQ        | 0.95     | 5.10       | ug/L     |
| 218-01-9                  | Chrysene               | 5.10   | UQ        | 0.87     | 5.10       | ug/L     |
| 205-99-2                  | Benzo(b)fluoranthene   | 5.10   | U         | 1.20     | 5.10       | ug/L     |
| 207-08-9                  | Benzo(k)fluoranthene   | 5.10   | UQ        | 1.20     | 5.10       | ug/L     |
| 50-32-8                   | Benzo(a)pyrene         | 5.10   | U         | 1.70     | 5.10       | ug/L     |
| 193-39-5                  | Indeno(1,2,3-cd)pyrene | 5.10   | U         | 1.00     | 5.10       | ug/L     |
| 53-70-3                   | Dibenzo(a,h)anthracene | 5.10   | U         | 1.20     | 5.10       | ug/L     |
| 191-24-2                  | Benzo(g,h,i)perylene   | 5.10   | U         | 1.20     | 5.10       | ug/L     |
| <b>SURROGATES</b>         |                        |        |           |          |            |          |
| 4165-60-0                 | Nitrobenzene-d5        | 75.9   |           | 49 - 133 | 76%        | SPK: 100 |
| 321-60-8                  | 2-Fluorobiphenyl       | 76.6   |           | 52 - 132 | 77%        | SPK: 100 |
| 1718-51-0                 | Terphenyl-d14          | 80.7   |           | 48 - 125 | 81%        | SPK: 100 |
| <b>INTERNAL STANDARDS</b> |                        |        |           |          |            |          |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4 | 83400  | 6.869     |          |            |          |
| 1146-65-2                 | Naphthalene-d8         | 299000 | 8.151     |          |            |          |
| 15067-26-2                | Acenaphthene-d10       | 175000 | 9.904     |          |            |          |
| 1517-22-2                 | Phenanthrene-d10       | 305000 | 11.398    |          |            |          |
| 1719-03-5                 | Chrysene-d12           | 169000 | 14.051    |          |            |          |
| 1520-96-3                 | Perylene-d12           | 158000 | 15.563    |          |            |          |

## Report of Analysis

|                    |                       |                 |               |
|--------------------|-----------------------|-----------------|---------------|
| Client:            | LiRo Engineers, Inc.  | Date Collected: | 11/26/24      |
| Project:           | RFK Bridge            | Date Received:  | 11/27/24      |
| Client Sample ID:  | MW-08                 | SDG No.:        | P5021         |
| Lab Sample ID:     | P5021-02              | Matrix:         | Water         |
| Analytical Method: | SW8270                | % Solid:        | 0             |
| Sample Wt/Vol:     | 990      Units:    mL | Final Vol:      | 1000      uL  |
| Soil Aliquot Vol:  | uL                    | Test:           | SVOCMS Group1 |
| Extraction Type :  | Decanted :    N       | Level :         | LOW           |
| Injection Volume : | GPC Factor :    1.0   | GPC Cleanup :   | N      PH :   |
| Prep Method :      | SW3510C               |                 |               |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BF140710.D        | 1         | 11/27/24 08:40 | 12/03/24 14:59 | PB165296      |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|------------|-----------|-------|-----------|-----|------------|-------|
|------------|-----------|-------|-----------|-----|------------|-------|

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\BF120324\  
Data File : BF140710.D  
Acq On : 03 Dec 2024 14:59  
Operator : RC/JU  
Sample : P5021-02  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
MW-08

Quant Time: Dec 03 15:20:05 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF112124.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Nov 21 15:23:48 2024  
Response via : Initial Calibration

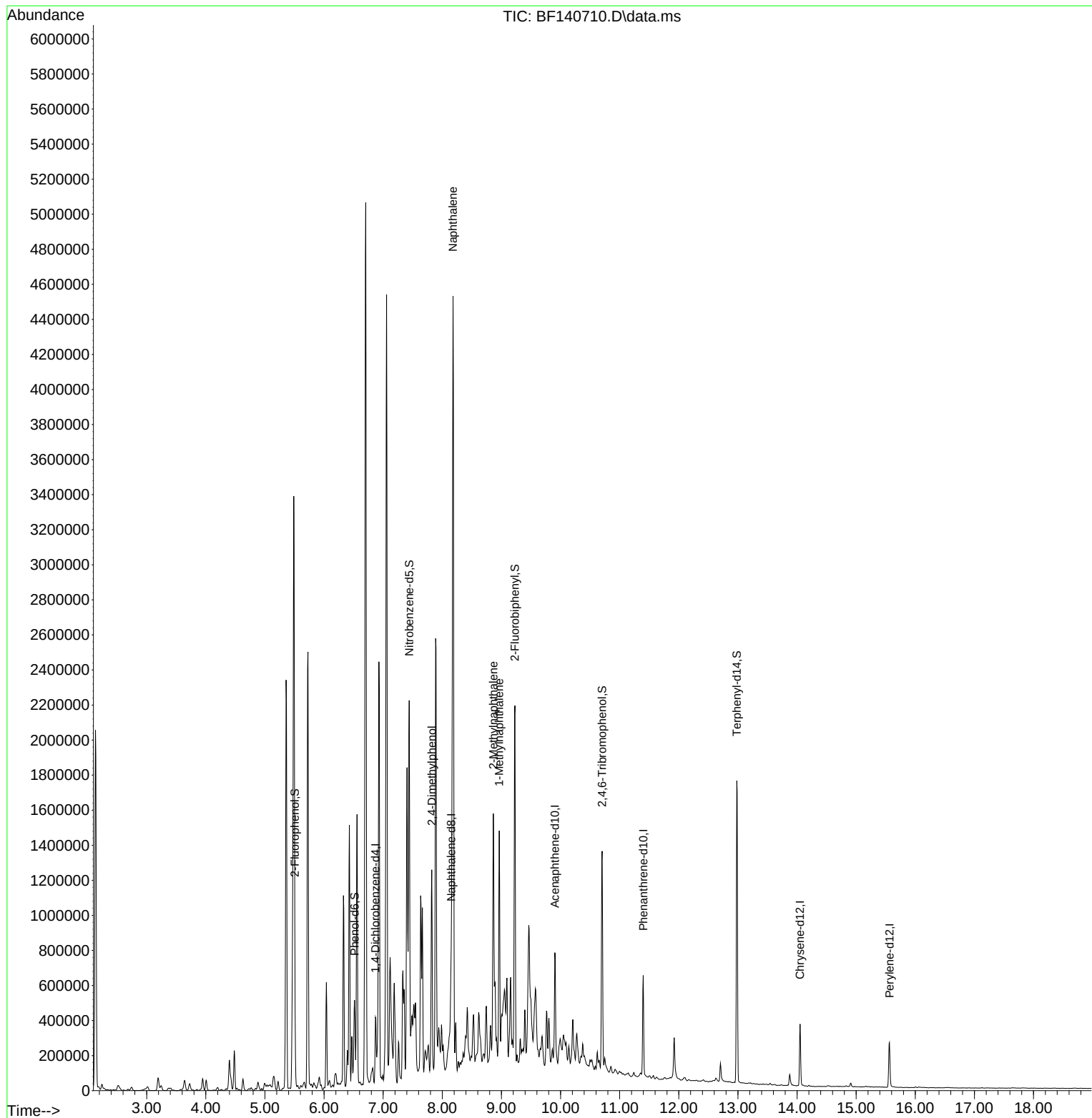
| Compound                    | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-----------------------------|--------|------|----------|---------|-------|----------|
| -----                       |        |      |          |         |       |          |
| Internal Standards          |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 6.869  | 152  | 83408    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.151  | 136  | 298688   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 9.904  | 164  | 174661   | 20.000  | ng    | -0.01    |
| 64) Phenanthrene-d10        | 11.398 | 188  | 305249   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12            | 14.051 | 240  | 169161   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12            | 15.563 | 264  | 157526   | 20.000  | ng    | 0.02     |
|                             |        |      |          |         |       |          |
| System Monitoring Compounds |        |      |          |         |       |          |
| 5) 2-Fluorophenol           | 5.504  | 112  | 248109   | 50.754  | ng    | 0.00     |
| 7) Phenol-d6                | 6.516  | 99   | 245388   | 37.970  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.440  | 82   | 443409   | 75.934  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.704 | 330  | 224850   | 120.369 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.228  | 172  | 898488   | 76.645  | ng    | 0.00     |
| 79) Terphenyl-d14           | 12.980 | 244  | 876447   | 80.677  | ng    | -0.01    |
|                             |        |      |          |         |       |          |
| Target Compounds            |        |      |          |         |       | Qvalue   |
| 27) 2,4-Dimethylphenol      | 7.822  | 122  | 34212    | 10.691  | ng    | 94       |
| 31) Naphthalene             | 8.181  | 128  | 3017917  | 196.159 | ng    | 98       |
| 37) 2-Methylnaphthalene     | 8.863  | 142  | 453953   | 46.455  | ng    | 99       |
| 38) 1-Methylnaphthalene     | 8.963  | 142  | 308697   | 32.228  | ng    | 100      |
| -----                       |        |      |          |         |       |          |

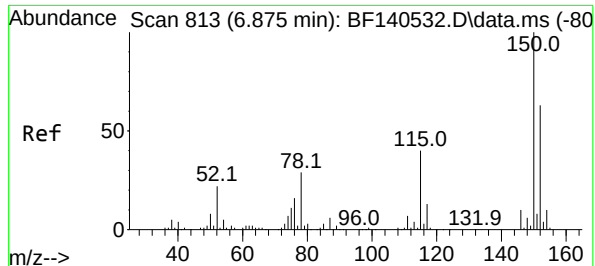
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF120324\  
Data File : BF140710.D  
Acq On : 03 Dec 2024 14:59  
Operator : RC/JU  
Sample : P5021-02  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
MW-08

Quant Time: Dec 03 15:20:05 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF112124.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Nov 21 15:23:48 2024  
Response via : Initial Calibration

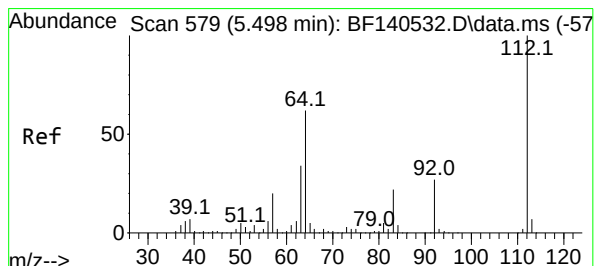
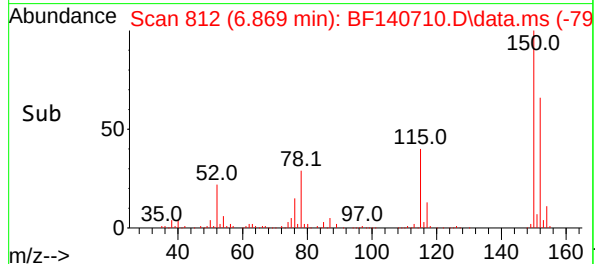
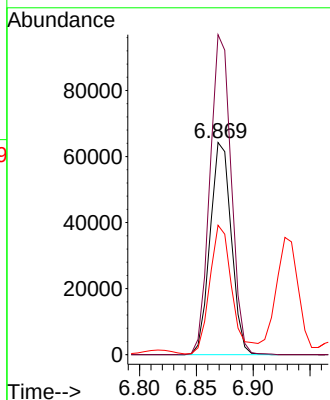
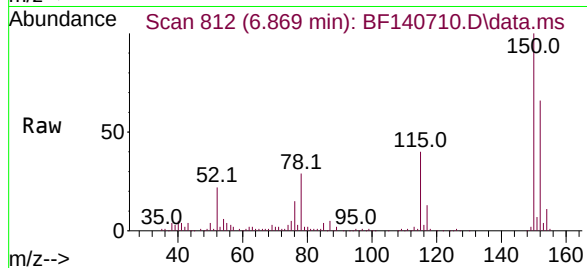




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.869 min Scan# 81  
Delta R.T. -0.006 min  
Lab File: BF140710.D  
Acq: 03 Dec 2024 14:59

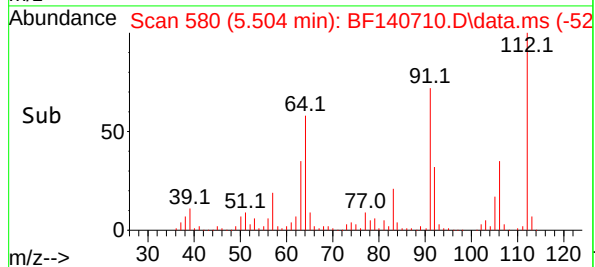
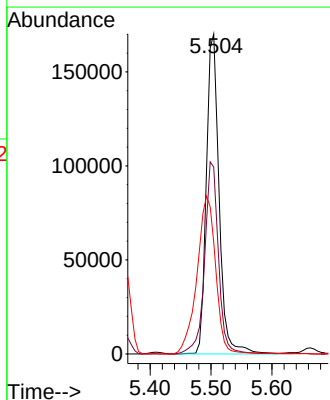
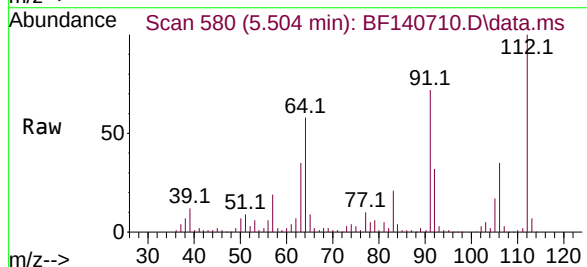
Instrument :  
BNA\_F  
ClientSampleId :  
MW-08

Tgt Ion:152 Resp: 83408  
Ion Ratio Lower Upper  
152 100  
150 150.8 128.5 192.7  
115 61.0 50.2 75.4

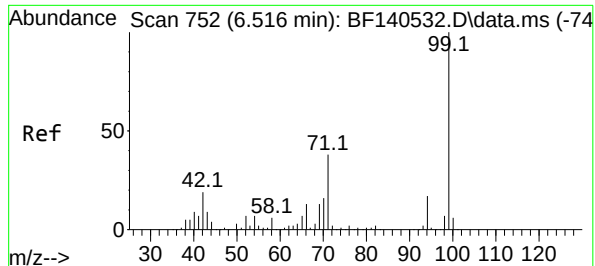


#5  
2-Fluorophenol  
Concen: 50.754 ng  
RT: 5.504 min Scan# 580  
Delta R.T. 0.006 min  
Lab File: BF140710.D  
Acq: 03 Dec 2024 14:59

Tgt Ion:112 Resp: 248109  
Ion Ratio Lower Upper  
112 100  
64 58.4 49.2 73.8  
63 35.0 27.0 40.4



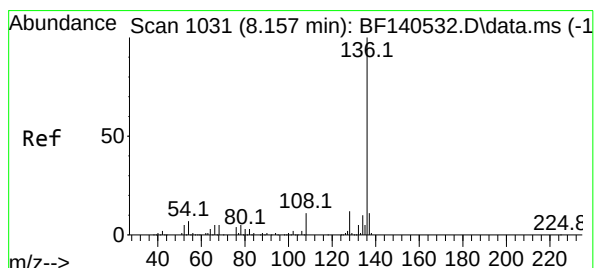
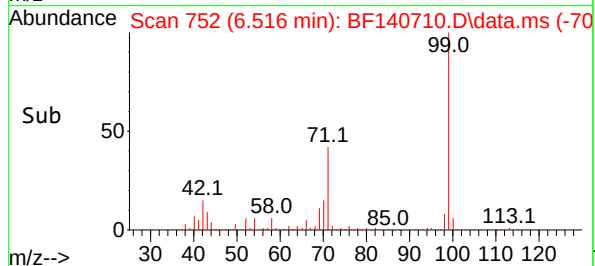
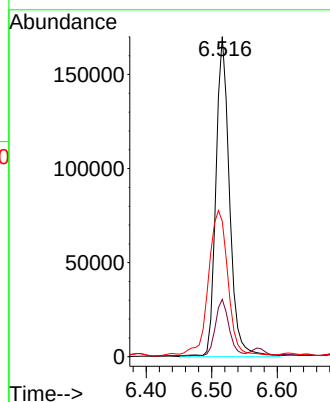
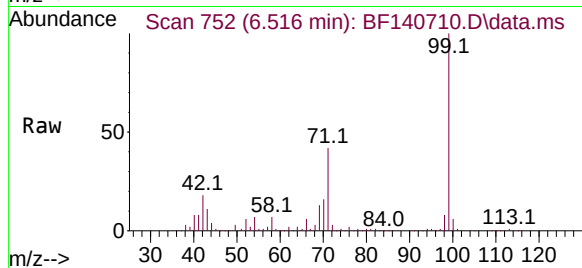




#7  
Phenol-d6  
Concen: 37.970 ng  
RT: 6.516 min Scan# 71  
Delta R.T. 0.000 min  
Lab File: BF140710.D  
Acq: 03 Dec 2024 14:59

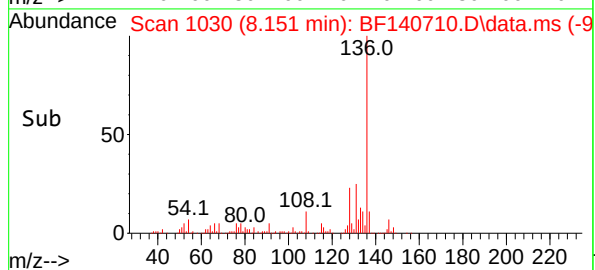
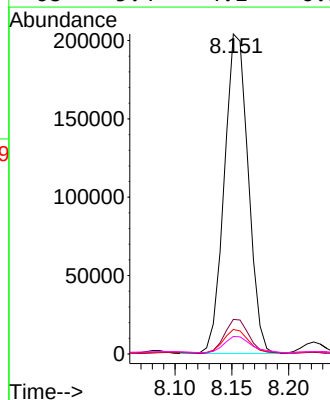
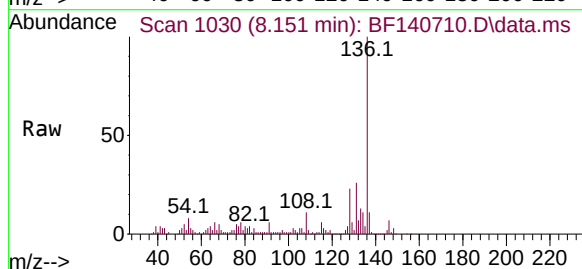
Instrument :  
BNA\_F  
ClientSampleId :  
MW-08

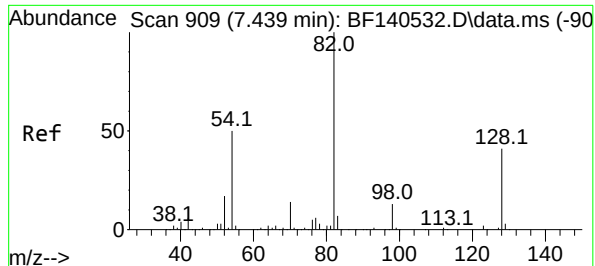
Tgt Ion: 99 Resp: 245388  
Ion Ratio Lower Upper  
99 100  
42 17.9 15.4 23.0  
71 42.4 30.6 46.0



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.151 min Scan# 1030  
Delta R.T. -0.006 min  
Lab File: BF140710.D  
Acq: 03 Dec 2024 14:59

Tgt Ion: 136 Resp: 298688  
Ion Ratio Lower Upper  
136 100  
137 10.8 8.6 13.0  
54 7.6 5.8 8.8  
68 5.4 4.1 6.1





#23

Nitrobenzene-d5

Concen: 75.934 ng

RT: 7.440 min Scan# 909

Delta R.T. 0.000 min

Lab File: BF140710.D

Acq: 03 Dec 2024 14:59

Instrument :

BNA\_F

ClientSampleId :

MW-08

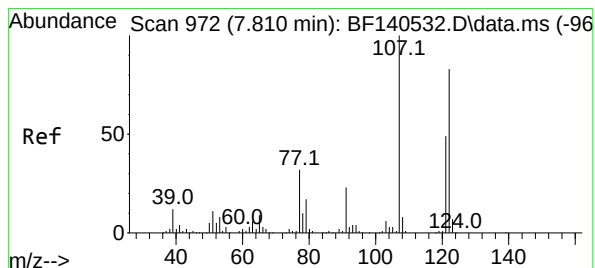
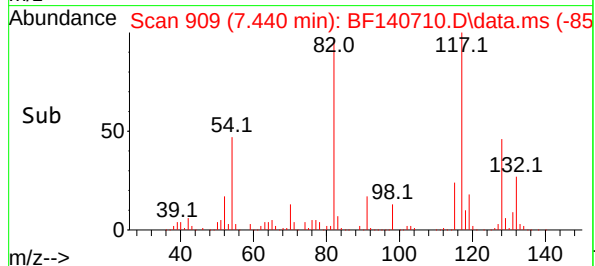
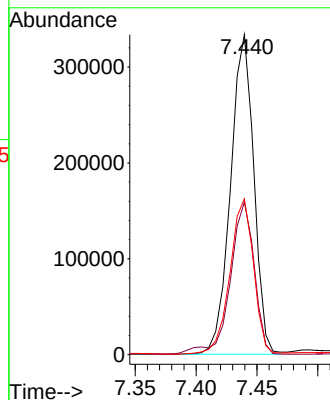
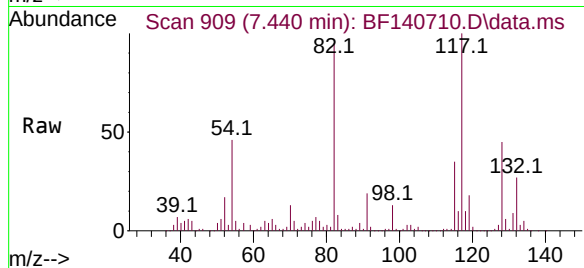
Tgt Ion: 82 Resp: 443409

Ion Ratio Lower Upper

82 100

128 47.7 33.0 49.4

54 48.7 39.5 59.3



#27

2,4-Dimethylphenol

Concen: 10.691 ng

RT: 7.822 min Scan# 974

Delta R.T. 0.012 min

Lab File: BF140710.D

Acq: 03 Dec 2024 14:59

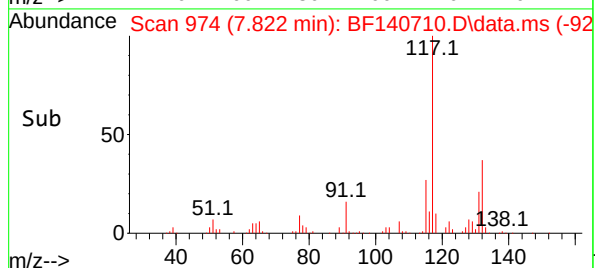
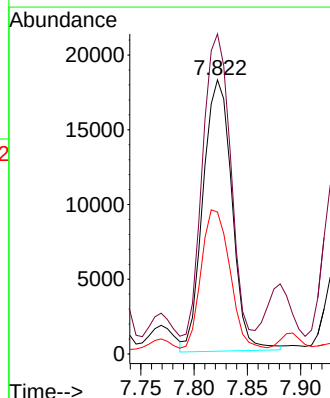
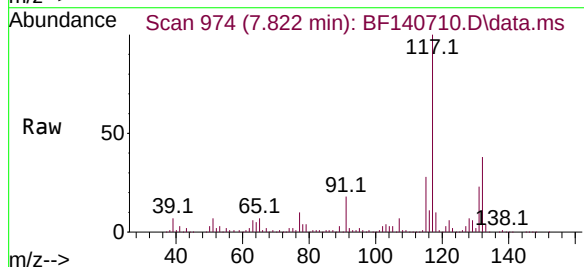
Tgt Ion:122 Resp: 34212

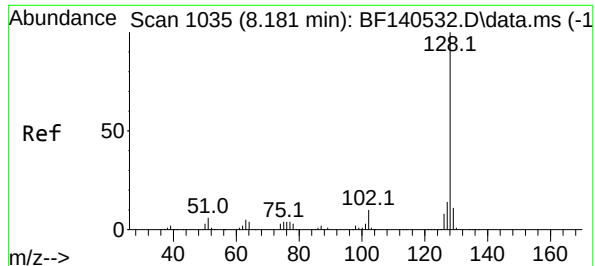
Ion Ratio Lower Upper

122 100

107 116.8 96.8 145.2

121 51.8 47.4 71.0





#31

Naphthalene

Concen: 196.159 ng

RT: 8.181 min Scan# 1035

Delta R.T. 0.000 min

Lab File: BF140710.D

Acq: 03 Dec 2024 14:59

Instrument :

BNA\_F

ClientSampleId :

MW-08

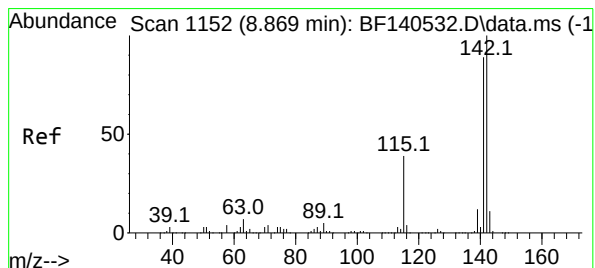
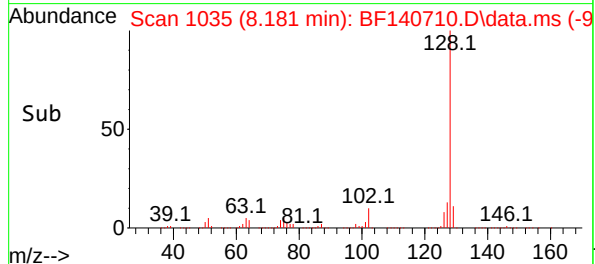
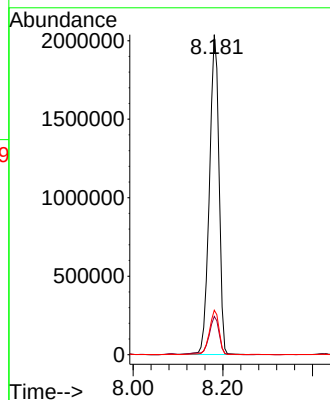
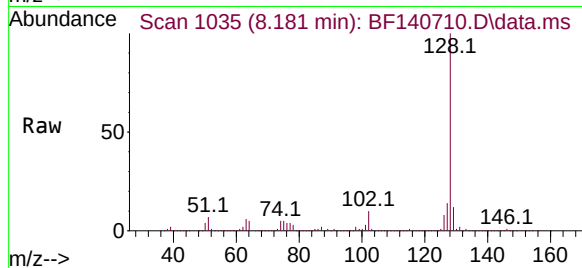
Tgt Ion:128 Resp: 3017917

Ion Ratio Lower Upper

128 100

129 11.9 8.6 13.0

127 13.9 10.8 16.2



#37

2-Methylnaphthalene

Concen: 46.455 ng

RT: 8.863 min Scan# 1151

Delta R.T. -0.006 min

Lab File: BF140710.D

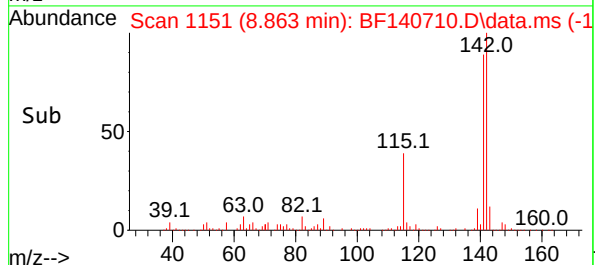
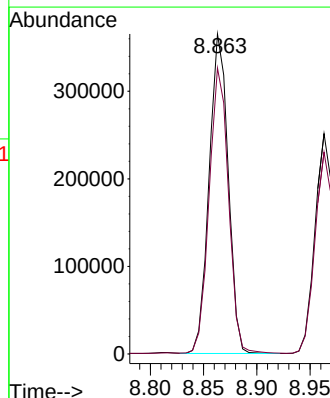
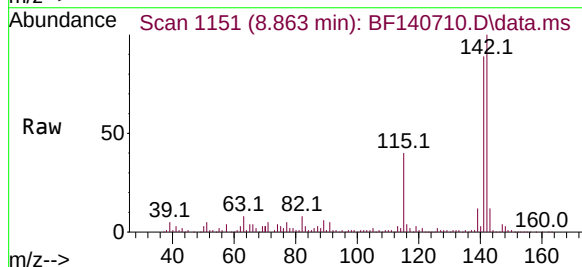
Acq: 03 Dec 2024 14:59

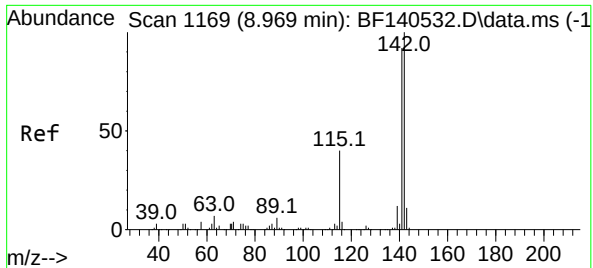
Tgt Ion:142 Resp: 453953

Ion Ratio Lower Upper

142 100

141 89.4 71.0 106.6





#38

1-Methylnaphthalene

Concen: 32.228 ng

RT: 8.963 min Scan# 1169

Delta R.T. -0.006 min

Lab File: BF140710.D

Acq: 03 Dec 2024 14:59

Instrument :

BNA\_F

ClientSampleId :

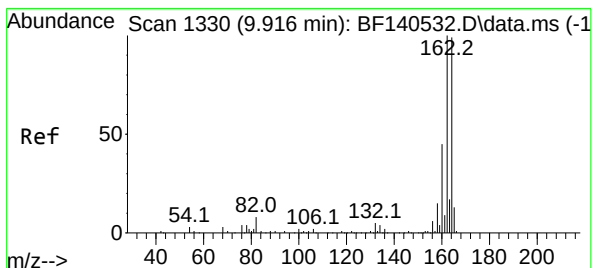
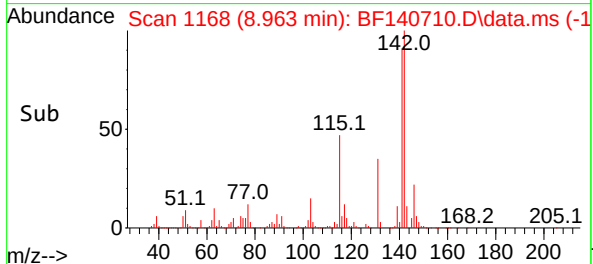
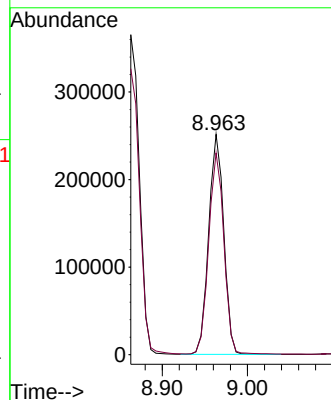
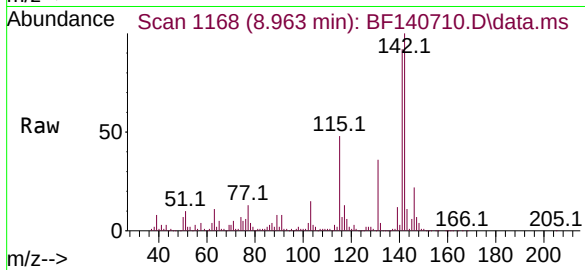
MW-08

Tgt Ion:142 Resp: 308697

Ion Ratio Lower Upper

142 100

141 91.6 73.3 109.9



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.904 min Scan# 1328

Delta R.T. -0.012 min

Lab File: BF140710.D

Acq: 03 Dec 2024 14:59

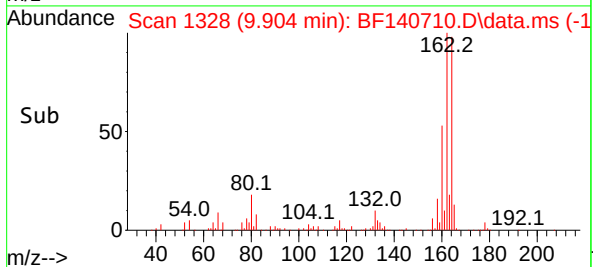
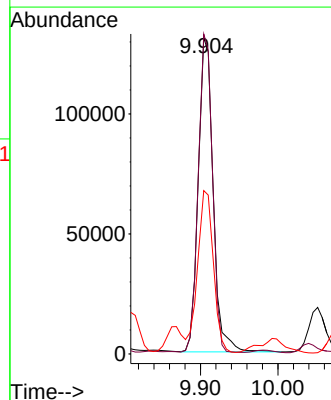
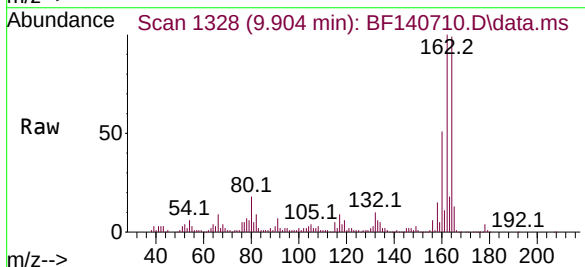
Tgt Ion:164 Resp: 174661

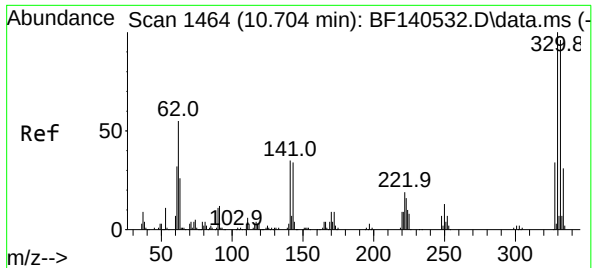
Ion Ratio Lower Upper

164 100

162 101.2 80.6 120.8

160 51.7 36.2 54.4





#42

2,4,6-Tribromophenol

Concen: 120.369 ng

RT: 10.704 min Scan# 1464

Delta R.T. 0.000 min

Lab File: BF140710.D

Acq: 03 Dec 2024 14:59

Instrument :

BNA\_F

ClientSampleId :

MW-08

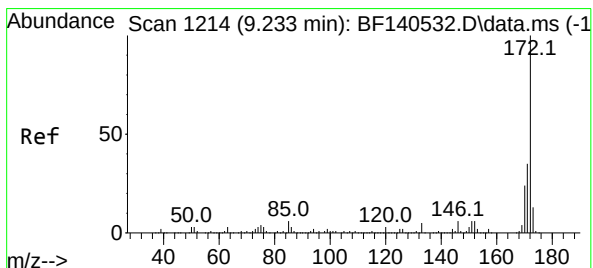
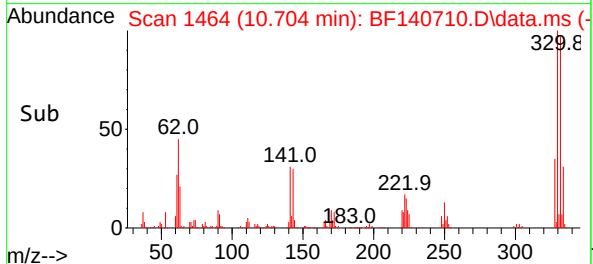
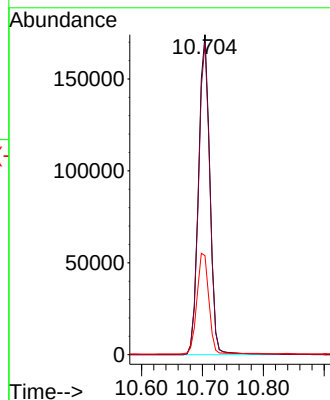
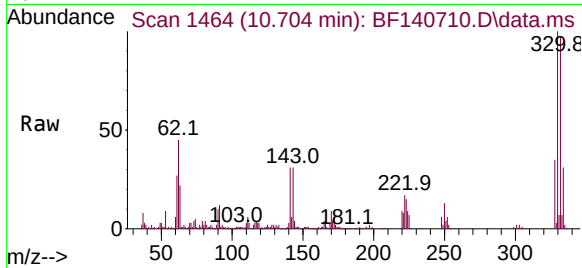
Tgt Ion:330 Resp: 224850

Ion Ratio Lower Upper

330 100

332 97.5 76.9 115.3

141 32.8 26.7 40.1



#45

2-Fluorobiphenyl

Concen: 76.645 ng

RT: 9.228 min Scan# 1213

Delta R.T. -0.006 min

Lab File: BF140710.D

Acq: 03 Dec 2024 14:59

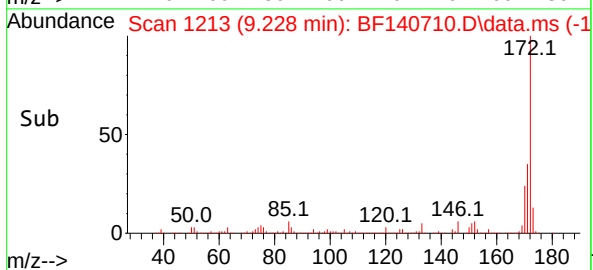
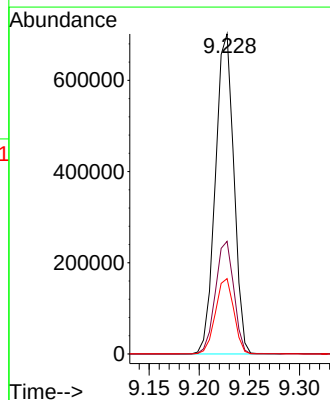
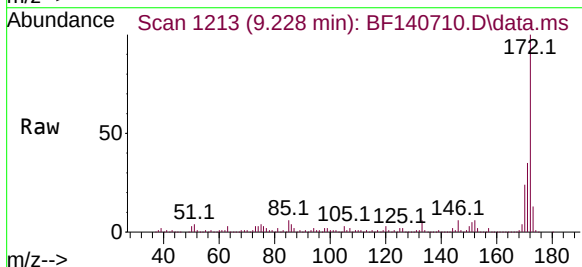
Tgt Ion:172 Resp: 898488

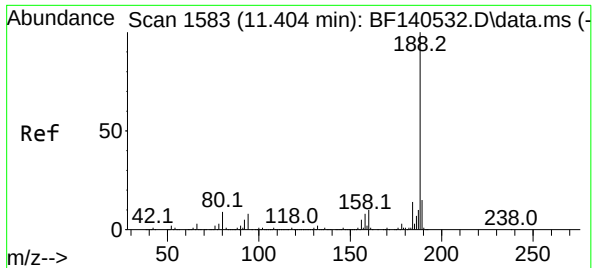
Ion Ratio Lower Upper

172 100

171 35.2 28.4 42.6

170 23.6 19.0 28.6

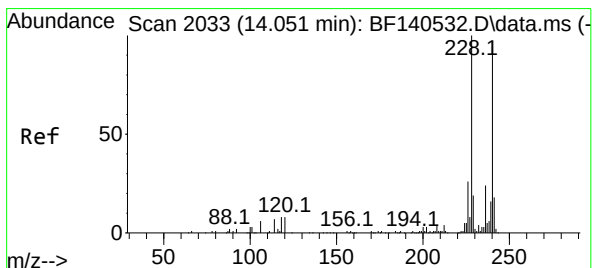
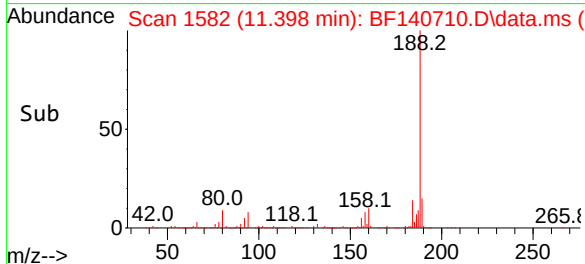
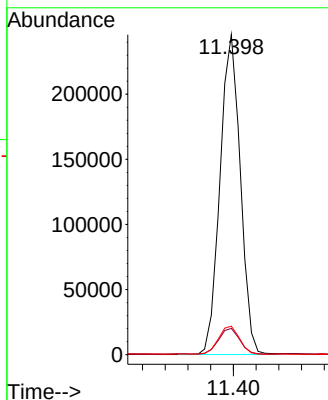
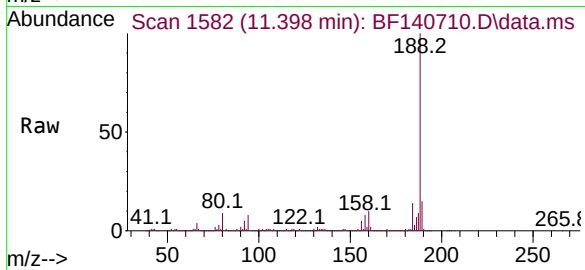




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.398 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF140710.D  
Acq: 03 Dec 2024 14:59

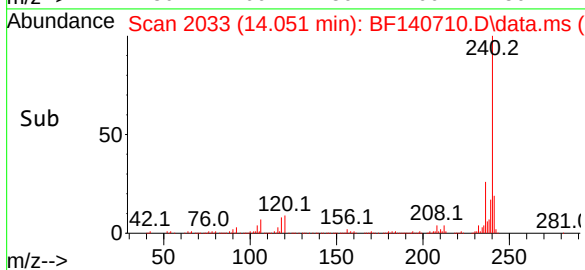
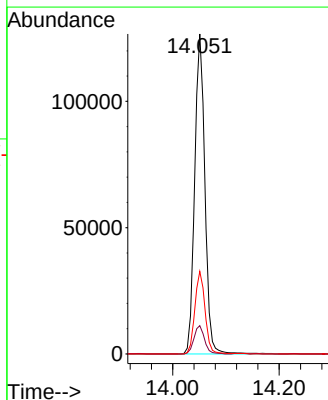
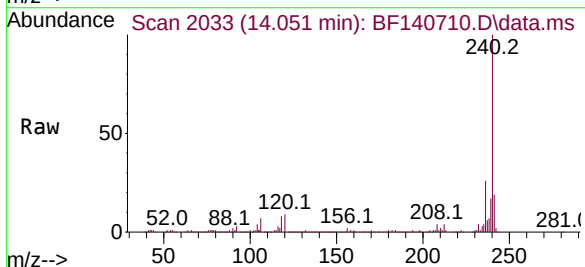
Instrument :  
BNA\_F  
ClientSampleId :  
MW-08

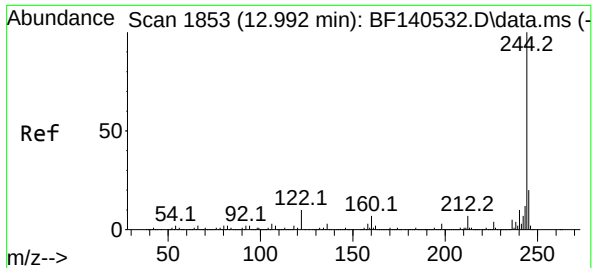
Tgt Ion:188 Resp: 305249  
Ion Ratio Lower Upper  
188 100  
94 8.2 6.4 9.6  
80 8.9 6.9 10.3



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.051 min Scan# 2033  
Delta R.T. 0.000 min  
Lab File: BF140710.D  
Acq: 03 Dec 2024 14:59

Tgt Ion:240 Resp: 169161  
Ion Ratio Lower Upper  
240 100  
120 8.8 7.3 10.9  
236 25.8 20.6 31.0





#79

Terphenyl-d14

Concen: 80.677 ng

RT: 12.980 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF140710.D

Acq: 03 Dec 2024 14:59

Instrument :

BNA\_F

ClientSampleId :

MW-08

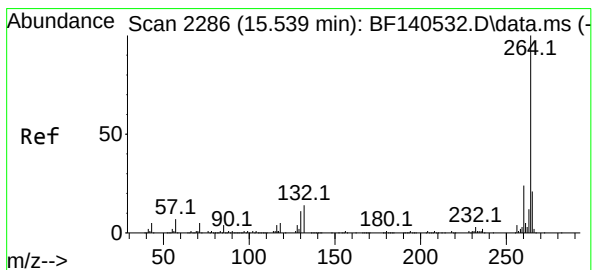
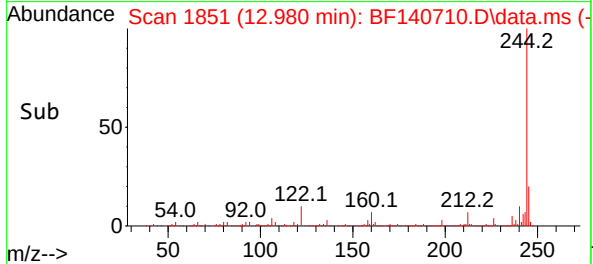
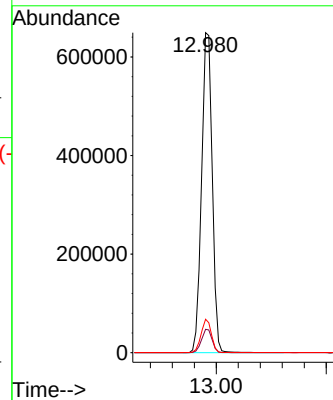
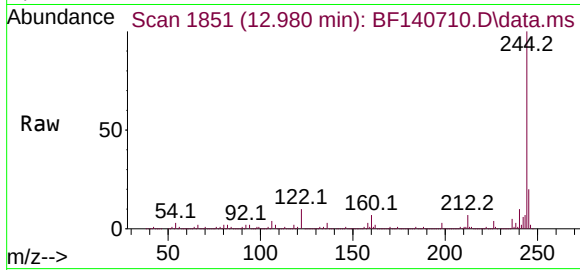
Tgt Ion:244 Resp: 876447

Ion Ratio Lower Upper

244 100

212 7.3 5.8 8.8

122 10.4 8.0 12.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.563 min Scan# 2290

Delta R.T. 0.024 min

Lab File: BF140710.D

Acq: 03 Dec 2024 14:59

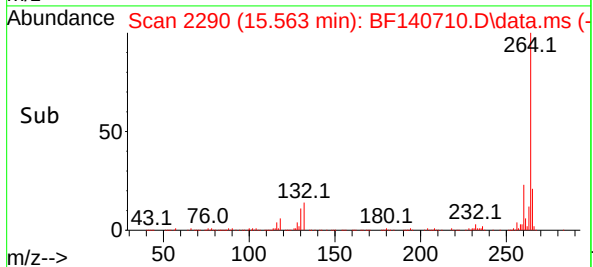
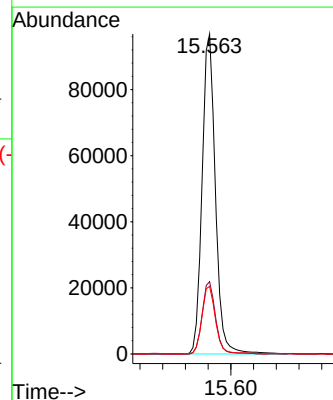
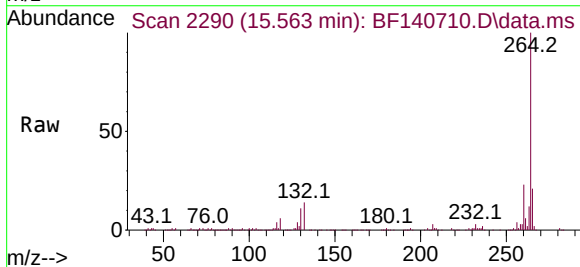
Tgt Ion:264 Resp: 157526

Ion Ratio Lower Upper

264 100

260 22.6 19.0 28.6

265 21.2 16.6 25.0



## Report of Analysis

|                    |                       |                 |               |
|--------------------|-----------------------|-----------------|---------------|
| Client:            | LiRo Engineers, Inc.  | Date Collected: | 11/26/24      |
| Project:           | RFK Bridge            | Date Received:  | 11/27/24      |
| Client Sample ID:  | MW-10                 | SDG No.:        | P5021         |
| Lab Sample ID:     | P5021-03              | Matrix:         | Water         |
| Analytical Method: | SW8270                | % Solid:        | 0             |
| Sample Wt/Vol:     | 980      Units:    mL | Final Vol:      | 1000      uL  |
| Soil Aliquot Vol:  | uL                    | Test:           | SVOCMS Group1 |
| Extraction Type :  | Decanted :    N       | Level :         | LOW           |
| Injection Volume : | GPC Factor :    1.0   | GPC Cleanup :   | N      PH :   |
| Prep Method :      | SW3510C               |                 |               |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BF140711.D        | 1         | 11/27/24 08:40 | 12/03/24 15:24 | PB165296      |

| CAS Number                | Parameter              | Conc.  | Qualifier | MDL      | LOQ / CRQL | Units    |
|---------------------------|------------------------|--------|-----------|----------|------------|----------|
| <b>TARGETS</b>            |                        |        |           |          |            |          |
| 208-96-8                  | Acenaphthylene         | 5.10   | UQ        | 1.10     | 5.10       | ug/L     |
| 83-32-9                   | Acenaphthene           | 5.10   | U         | 0.83     | 5.10       | ug/L     |
| 86-73-7                   | Fluorene               | 5.10   | U         | 0.98     | 5.10       | ug/L     |
| 85-01-8                   | Phenanthrene           | 5.10   | U         | 0.91     | 5.10       | ug/L     |
| 120-12-7                  | Anthracene             | 5.10   | U         | 1.10     | 5.10       | ug/L     |
| 206-44-0                  | Fluoranthene           | 5.10   | U         | 1.30     | 5.10       | ug/L     |
| 129-00-0                  | Pyrene                 | 5.10   | UQ        | 1.10     | 5.10       | ug/L     |
| 56-55-3                   | Benzo(a)anthracene     | 5.10   | UQ        | 0.96     | 5.10       | ug/L     |
| 218-01-9                  | Chrysene               | 5.10   | UQ        | 0.88     | 5.10       | ug/L     |
| 205-99-2                  | Benzo(b)fluoranthene   | 5.10   | U         | 1.20     | 5.10       | ug/L     |
| 207-08-9                  | Benzo(k)fluoranthene   | 5.10   | UQ        | 1.20     | 5.10       | ug/L     |
| 50-32-8                   | Benzo(a)pyrene         | 5.10   | U         | 1.70     | 5.10       | ug/L     |
| 193-39-5                  | Indeno(1,2,3-cd)pyrene | 5.10   | U         | 1.00     | 5.10       | ug/L     |
| 53-70-3                   | Dibenzo(a,h)anthracene | 5.10   | U         | 1.20     | 5.10       | ug/L     |
| 191-24-2                  | Benzo(g,h,i)perylene   | 5.10   | U         | 1.20     | 5.10       | ug/L     |
| <b>SURROGATES</b>         |                        |        |           |          |            |          |
| 4165-60-0                 | Nitrobenzene-d5        | 91.8   |           | 49 - 133 | 92%        | SPK: 100 |
| 321-60-8                  | 2-Fluorobiphenyl       | 94.2   |           | 52 - 132 | 94%        | SPK: 100 |
| 1718-51-0                 | Terphenyl-d14          | 93.7   |           | 48 - 125 | 94%        | SPK: 100 |
| <b>INTERNAL STANDARDS</b> |                        |        |           |          |            |          |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4 | 71000  | 6.869     |          |            |          |
| 1146-65-2                 | Naphthalene-d8         | 270000 | 8.151     |          |            |          |
| 15067-26-2                | Acenaphthene-d10       | 150000 | 9.904     |          |            |          |
| 1517-22-2                 | Phenanthrene-d10       | 272000 | 11.398    |          |            |          |
| 1719-03-5                 | Chrysene-d12           | 165000 | 14.051    |          |            |          |
| 1520-96-3                 | Perylene-d12           | 152000 | 15.574    |          |            |          |



## Report of Analysis

|                    |                       |                 |               |
|--------------------|-----------------------|-----------------|---------------|
| Client:            | LiRo Engineers, Inc.  | Date Collected: | 11/26/24      |
| Project:           | RFK Bridge            | Date Received:  | 11/27/24      |
| Client Sample ID:  | MW-10                 | SDG No.:        | P5021         |
| Lab Sample ID:     | P5021-03              | Matrix:         | Water         |
| Analytical Method: | SW8270                | % Solid:        | 0             |
| Sample Wt/Vol:     | 980      Units:    mL | Final Vol:      | 1000      uL  |
| Soil Aliquot Vol:  | uL                    | Test:           | SVOCMS Group1 |
| Extraction Type :  | Decanted :    N       | Level :         | LOW           |
| Injection Volume : | GPC Factor :    1.0   | GPC Cleanup :   | N      PH :   |
| Prep Method :      | SW3510C               |                 |               |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BF140711.D        | 1         | 11/27/24 08:40 | 12/03/24 15:24 | PB165296      |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|------------|-----------|-------|-----------|-----|------------|-------|
|------------|-----------|-------|-----------|-----|------------|-------|

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\BF120324\  
Data File : BF140711.D  
Acq On : 03 Dec 2024 15:24  
Operator : RC/JU  
Sample : P5021-03  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
MW-10

Quant Time: Dec 03 15:46:10 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF112124.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Nov 21 15:23:48 2024  
Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-----------------------------|--------|------|----------|---------|-------|----------|
| Internal Standards          |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 6.869  | 152  | 70972    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.151  | 136  | 269570   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 9.904  | 164  | 149746   | 20.000  | ng    | -0.01    |
| 64) Phenanthrene-d10        | 11.398 | 188  | 271510   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12            | 14.051 | 240  | 165452   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12            | 15.574 | 264  | 151648   | 20.000  | ng    | 0.04     |
| System Monitoring Compounds |        |      |          |         |       |          |
| 5) 2-Fluorophenol           | 5.498  | 112  | 259314   | 62.341  | ng    | 0.00     |
| 7) Phenol-d6                | 6.510  | 99   | 223454   | 40.634  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.434  | 82   | 483909   | 91.821  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.704 | 330  | 230145   | 143.702 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.222  | 172  | 947111   | 94.236  | ng    | -0.01    |
| 79) Terphenyl-d14           | 12.986 | 244  | 995561   | 93.696  | ng    | 0.00     |

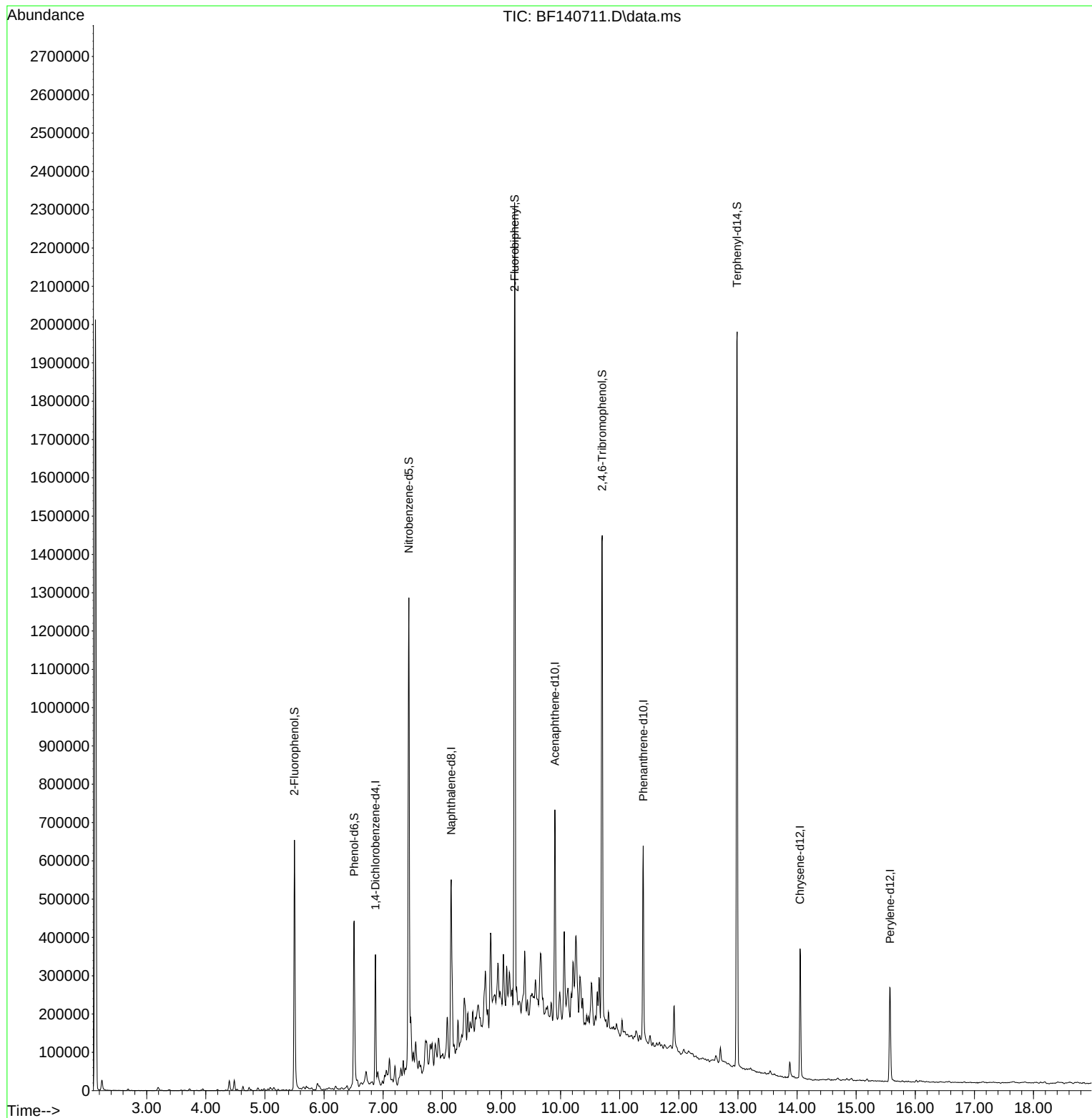
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

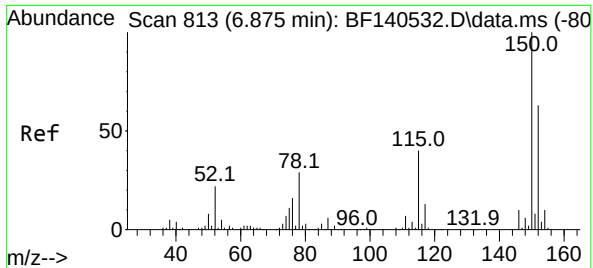
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF120324\  
Data File : BF140711.D  
Acq On : 03 Dec 2024 15:24  
Operator : RC/JU  
Sample : P5021-03  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
MW-10

Quant Time: Dec 03 15:46:10 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF112124.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Nov 21 15:23:48 2024  
Response via : Initial Calibration

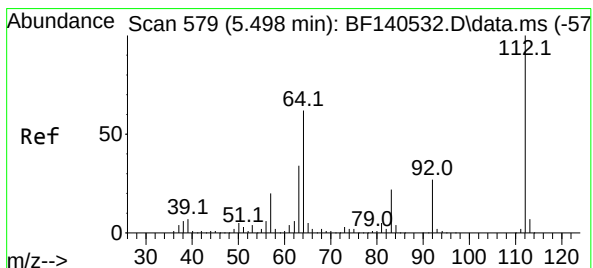
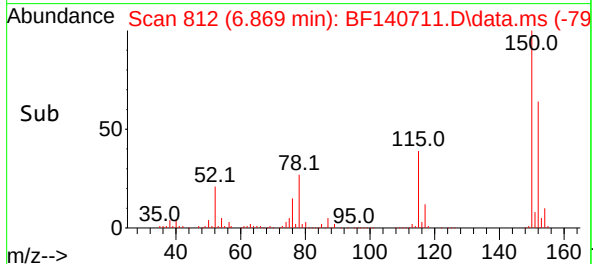
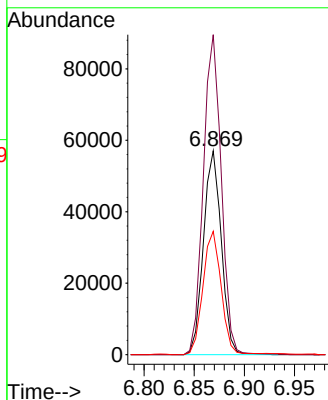
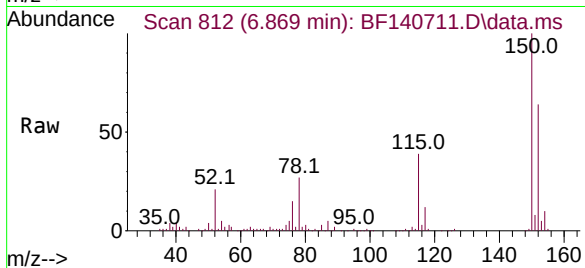




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.869 min Scan# 813  
Delta R.T. -0.006 min  
Lab File: BF140711.D  
Acq: 03 Dec 2024 15:24

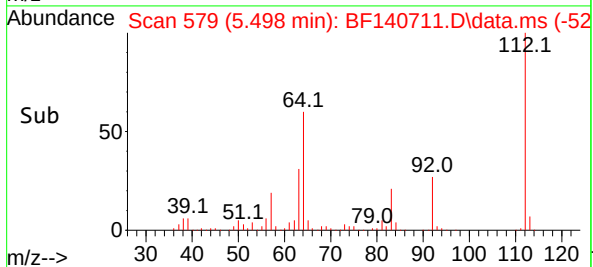
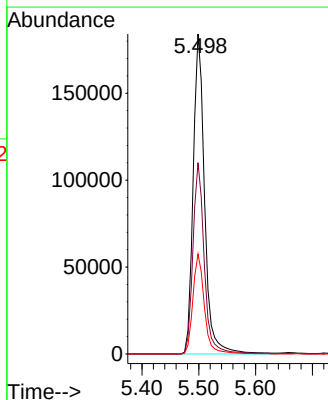
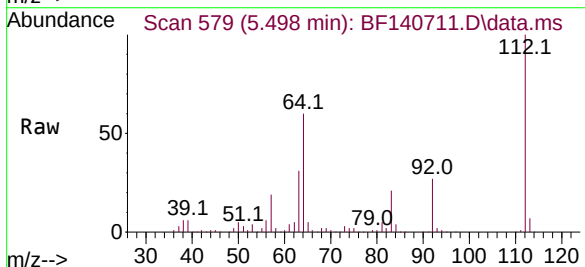
Instrument :  
BNA\_F  
ClientSampleId :  
MW-10

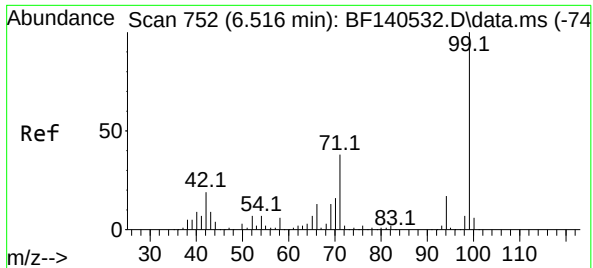
Tgt Ion:152 Resp: 70972  
Ion Ratio Lower Upper  
152 100  
150 156.9 128.5 192.7  
115 60.5 50.2 75.4



#5  
2-Fluorophenol  
Concen: 62.341 ng  
RT: 5.498 min Scan# 579  
Delta R.T. 0.000 min  
Lab File: BF140711.D  
Acq: 03 Dec 2024 15:24

Tgt Ion:112 Resp: 259314  
Ion Ratio Lower Upper  
112 100  
64 59.7 49.2 73.8  
63 31.3 27.0 40.4





#7

Phenol-d6

Concen: 40.634 ng

RT: 6.510 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF140711.D

Acq: 03 Dec 2024 15:24

Instrument :

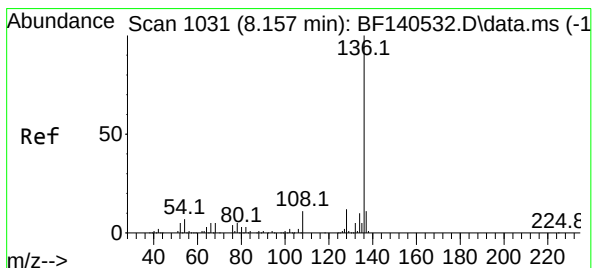
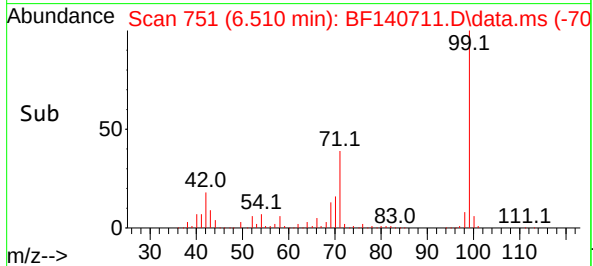
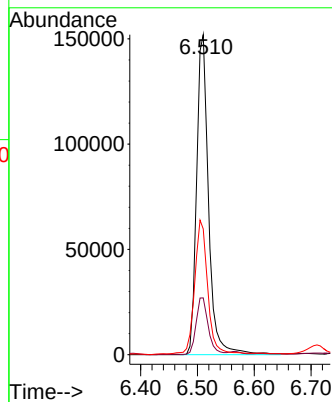
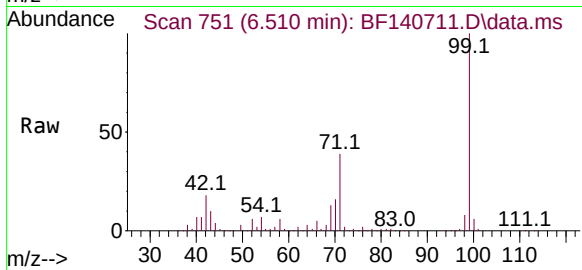
BNA\_F

ClientSampleId :

MW-10

Tgt Ion: 99 Resp: 223454

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 17.8  | 15.4  | 23.0  |
| 71  | 39.3  | 30.6  | 46.0  |



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.151 min Scan# 1030

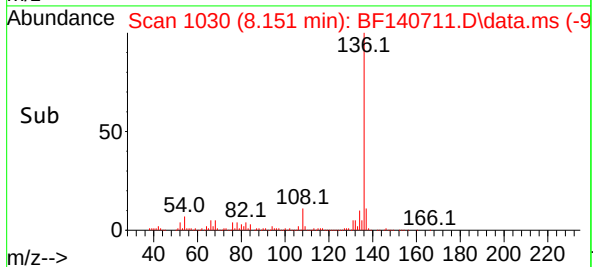
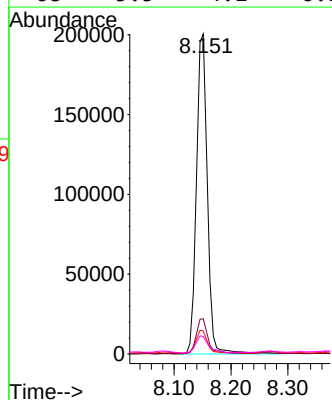
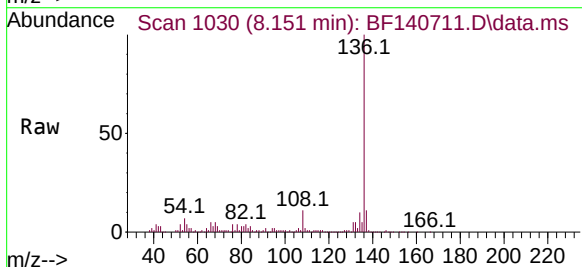
Delta R.T. -0.006 min

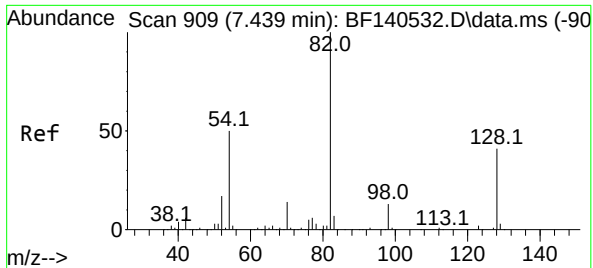
Lab File: BF140711.D

Acq: 03 Dec 2024 15:24

Tgt Ion: 136 Resp: 269570

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 11.0  | 8.6   | 13.0  |
| 54  | 7.2   | 5.8   | 8.8   |
| 68  | 5.5   | 4.1   | 6.1   |





#23

Nitrobenzene-d5

Concen: 91.821 ng

RT: 7.434 min Scan# 90

Delta R.T. -0.006 min

Lab File: BF140711.D

Acq: 03 Dec 2024 15:24

Instrument :

BNA\_F

ClientSampleId :

MW-10

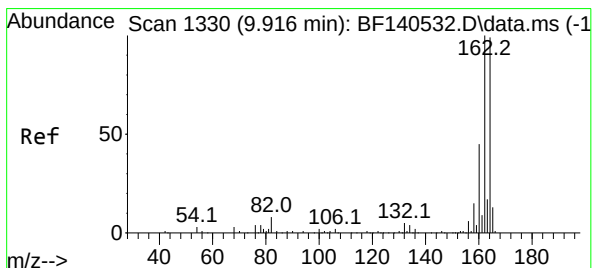
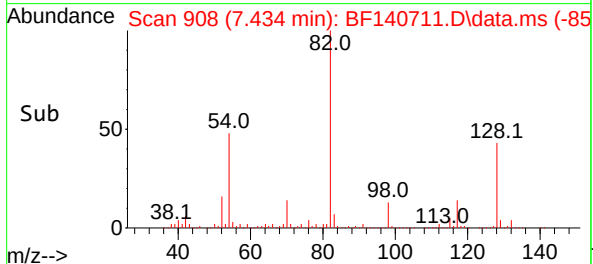
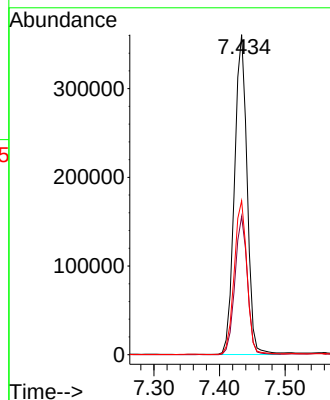
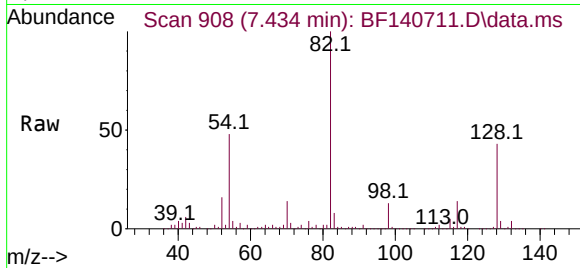
Tgt Ion: 82 Resp: 483909

Ion Ratio Lower Upper

82 100

128 43.2 33.0 49.4

54 48.1 39.5 59.3



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.904 min Scan# 1328

Delta R.T. -0.012 min

Lab File: BF140711.D

Acq: 03 Dec 2024 15:24

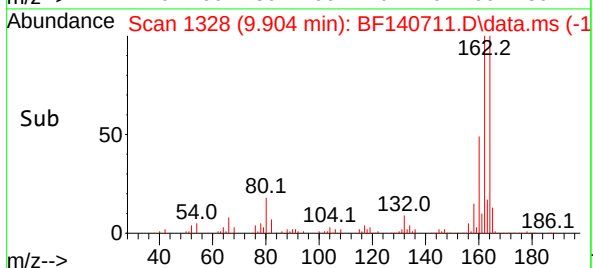
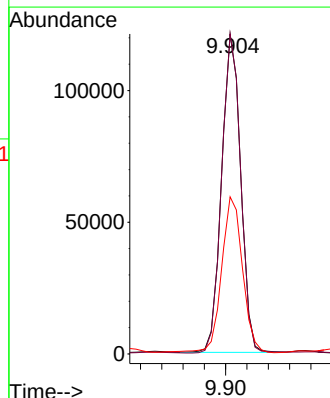
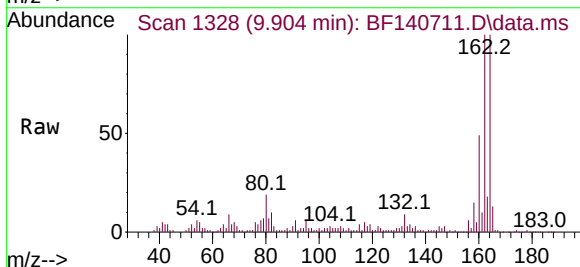
Tgt Ion:164 Resp: 149746

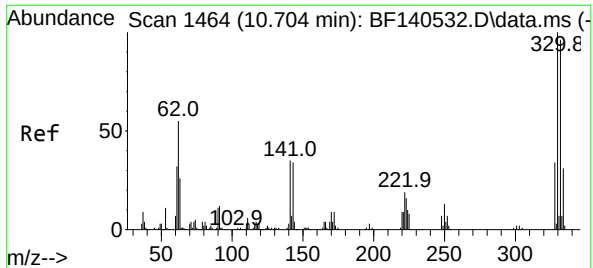
Ion Ratio Lower Upper

164 100

162 100.1 80.6 120.8

160 49.1 36.2 54.4





#42

2,4,6-Tribromophenol

Concen: 143.702 ng

RT: 10.704 min Scan# 1464

Delta R.T. 0.000 min

Lab File: BF140711.D

Acq: 03 Dec 2024 15:24

Instrument :

BNA\_F

ClientSampleId :

MW-10

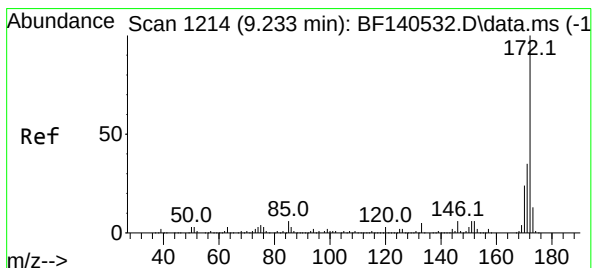
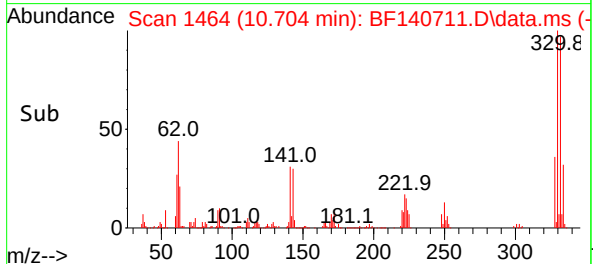
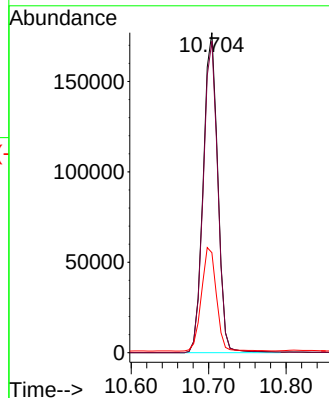
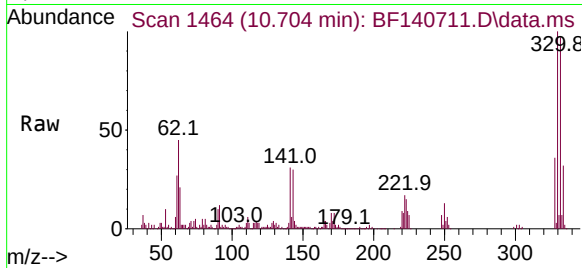
Tgt Ion:330 Resp: 230145

Ion Ratio Lower Upper

330 100

332 97.4 76.9 115.3

141 33.3 26.7 40.1



#45

2-Fluorobiphenyl

Concen: 94.236 ng

RT: 9.222 min Scan# 1212

Delta R.T. -0.012 min

Lab File: BF140711.D

Acq: 03 Dec 2024 15:24

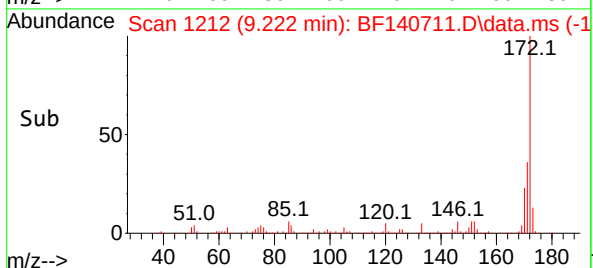
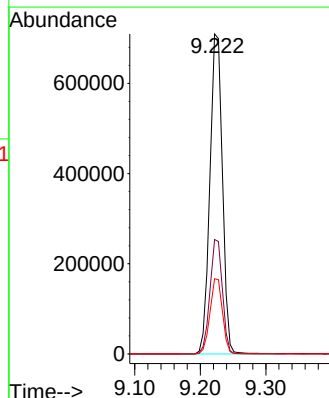
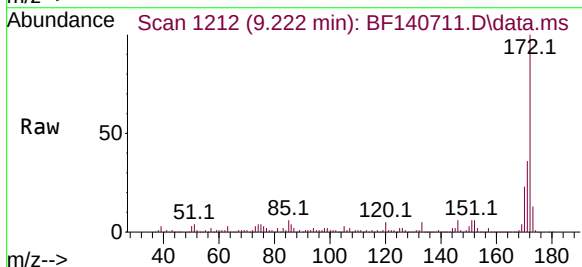
Tgt Ion:172 Resp: 947111

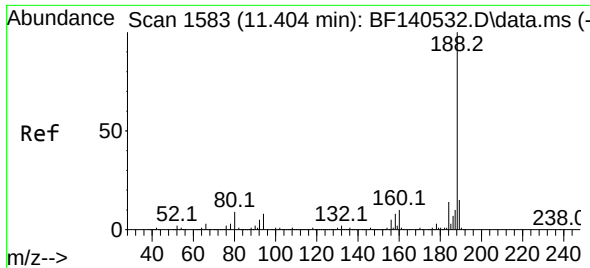
Ion Ratio Lower Upper

172 100

171 35.7 28.4 42.6

170 23.5 19.0 28.6

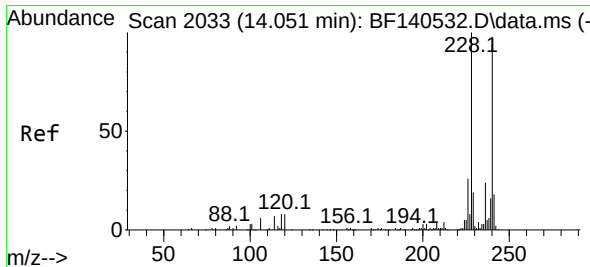
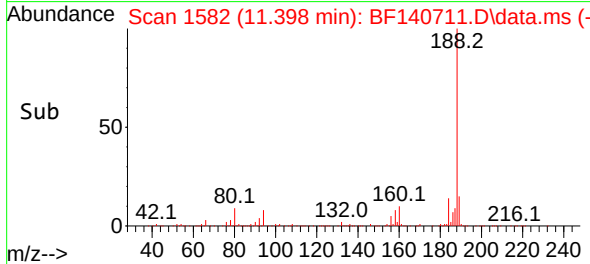
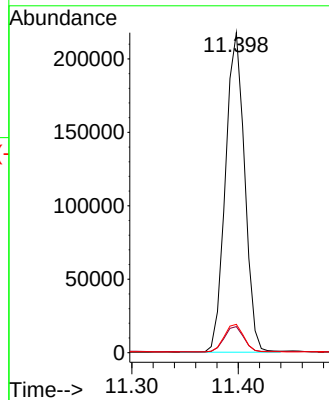
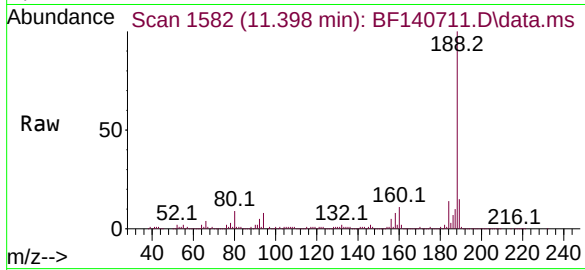




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.398 min Scan# 1582  
Delta R.T. -0.006 min  
Lab File: BF140711.D  
Acq: 03 Dec 2024 15:24

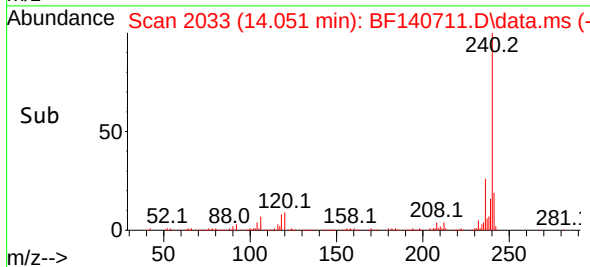
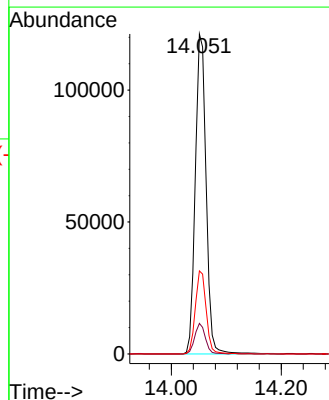
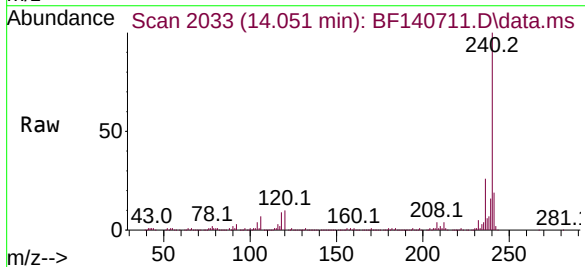
Instrument :  
BNA\_F  
ClientSampleId :  
MW-10

Tgt Ion:188 Resp: 271510  
Ion Ratio Lower Upper  
188 100  
94 8.1 6.4 9.6  
80 8.8 6.9 10.3

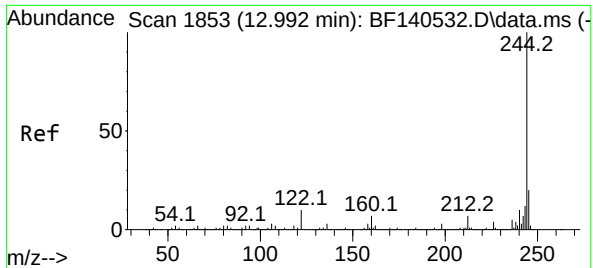


#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.051 min Scan# 2033  
Delta R.T. 0.000 min  
Lab File: BF140711.D  
Acq: 03 Dec 2024 15:24

Tgt Ion:240 Resp: 165452  
Ion Ratio Lower Upper  
240 100  
120 9.5 7.3 10.9  
236 25.9 20.6 31.0







#79

Terphenyl-d14

Concen: 93.696 ng

RT: 12.986 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF140711.D

Acq: 03 Dec 2024 15:24

Instrument :

BNA\_F

ClientSampleId :

MW-10

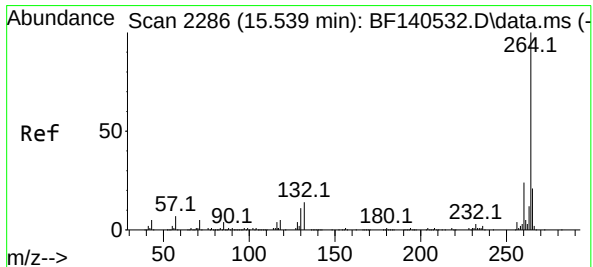
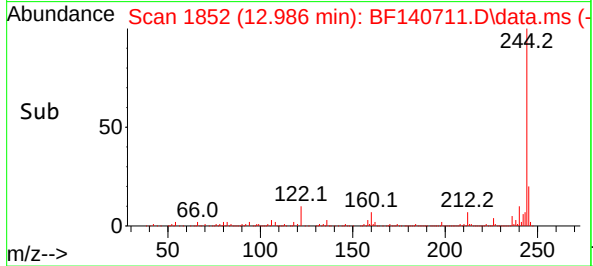
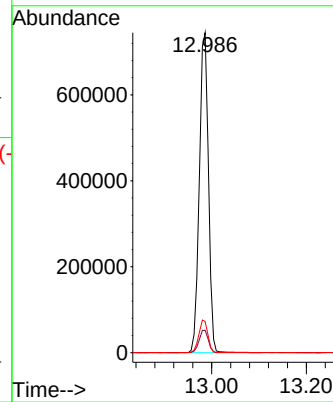
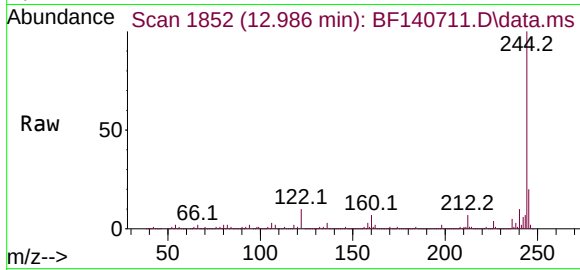
Tgt Ion:244 Resp: 995561

Ion Ratio Lower Upper

244 100

212 7.0 5.8 8.8

122 9.7 8.0 12.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.574 min Scan# 2292

Delta R.T. 0.035 min

Lab File: BF140711.D

Acq: 03 Dec 2024 15:24

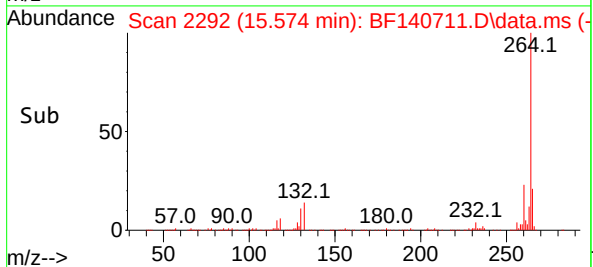
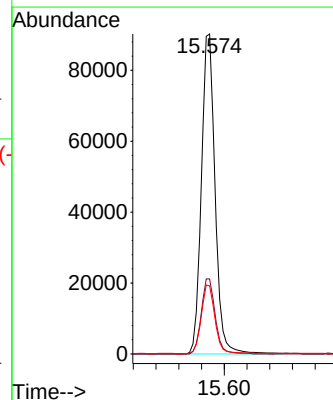
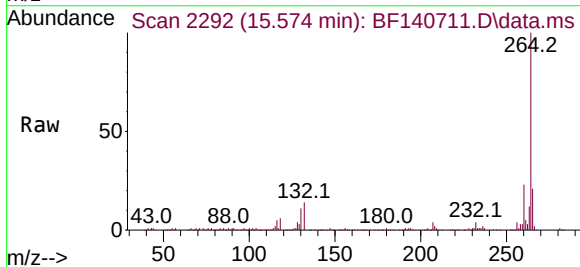
Tgt Ion:264 Resp: 151648

Ion Ratio Lower Upper

264 100

260 23.5 19.0 28.6

265 21.3 16.6 25.0



## Report of Analysis

|                    |                      |                 |               |
|--------------------|----------------------|-----------------|---------------|
| Client:            | LiRo Engineers, Inc. | Date Collected: | 11/26/24      |
| Project:           | RFK Bridge           | Date Received:  | 11/27/24      |
| Client Sample ID:  | MW-11                | SDG No.:        | P5021         |
| Lab Sample ID:     | P5021-04             | Matrix:         | Water         |
| Analytical Method: | SW8270               | % Solid:        | 0             |
| Sample Wt/Vol:     | 990                  | Units:          | mL            |
| Soil Aliquot Vol:  |                      |                 | uL            |
| Extraction Type :  |                      | Decanted :      | N             |
| Injection Volume : |                      | GPC Factor :    | 1.0           |
| Prep Method :      | SW3510C              | Final Vol:      | 1000          |
|                    |                      | Test:           | SVOCMS Group1 |
|                    |                      | Level :         | LOW           |
|                    |                      | GPC Cleanup :   | N             |
|                    |                      | PH :            |               |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BF140689.D        | 1         | 11/27/24 08:40 | 12/02/24 15:29 | PB165296      |

| CAS Number                | Parameter              | Conc.  | Qualifier | MDL      | LOQ / CRQL | Units    |
|---------------------------|------------------------|--------|-----------|----------|------------|----------|
| <b>TARGETS</b>            |                        |        |           |          |            |          |
| 208-96-8                  | Acenaphthylene         | 5.10   | UQ        | 1.10     | 5.10       | ug/L     |
| 83-32-9                   | Acenaphthene           | 5.10   | U         | 0.82     | 5.10       | ug/L     |
| 86-73-7                   | Fluorene               | 5.10   | U         | 0.97     | 5.10       | ug/L     |
| 85-01-8                   | Phenanthrene           | 5.10   | U         | 0.90     | 5.10       | ug/L     |
| 120-12-7                  | Anthracene             | 5.10   | U         | 1.10     | 5.10       | ug/L     |
| 206-44-0                  | Fluoranthene           | 5.10   | U         | 1.30     | 5.10       | ug/L     |
| 129-00-0                  | Pyrene                 | 5.10   | UQ        | 1.10     | 5.10       | ug/L     |
| 56-55-3                   | Benzo(a)anthracene     | 5.10   | UQ        | 0.95     | 5.10       | ug/L     |
| 218-01-9                  | Chrysene               | 5.10   | UQ        | 0.87     | 5.10       | ug/L     |
| 205-99-2                  | Benzo(b)fluoranthene   | 5.10   | U         | 1.20     | 5.10       | ug/L     |
| 207-08-9                  | Benzo(k)fluoranthene   | 5.10   | UQ        | 1.20     | 5.10       | ug/L     |
| 50-32-8                   | Benzo(a)pyrene         | 5.10   | U         | 1.70     | 5.10       | ug/L     |
| 193-39-5                  | Indeno(1,2,3-cd)pyrene | 5.10   | U         | 1.00     | 5.10       | ug/L     |
| 53-70-3                   | Dibenzo(a,h)anthracene | 5.10   | U         | 1.20     | 5.10       | ug/L     |
| 191-24-2                  | Benzo(g,h,i)perylene   | 5.10   | U         | 1.20     | 5.10       | ug/L     |
| <b>SURROGATES</b>         |                        |        |           |          |            |          |
| 4165-60-0                 | Nitrobenzene-d5        | 95.6   |           | 49 - 133 | 96%        | SPK: 100 |
| 321-60-8                  | 2-Fluorobiphenyl       | 94.4   |           | 52 - 132 | 94%        | SPK: 100 |
| 1718-51-0                 | Terphenyl-d14          | 91.0   |           | 48 - 125 | 91%        | SPK: 100 |
| <b>INTERNAL STANDARDS</b> |                        |        |           |          |            |          |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4 | 79000  | 6.869     |          |            |          |
| 1146-65-2                 | Naphthalene-d8         | 302000 | 8.151     |          |            |          |
| 15067-26-2                | Acenaphthene-d10       | 171000 | 9.904     |          |            |          |
| 1517-22-2                 | Phenanthrene-d10       | 322000 | 11.398    |          |            |          |
| 1719-03-5                 | Chrysene-d12           | 192000 | 14.051    |          |            |          |
| 1520-96-3                 | Perylene-d12           | 157000 | 15.574    |          |            |          |

### Report of Analysis

|                    |                      |                 |               |
|--------------------|----------------------|-----------------|---------------|
| Client:            | LiRo Engineers, Inc. | Date Collected: | 11/26/24      |
| Project:           | RFK Bridge           | Date Received:  | 11/27/24      |
| Client Sample ID:  | MW-11                | SDG No.:        | P5021         |
| Lab Sample ID:     | P5021-04             | Matrix:         | Water         |
| Analytical Method: | SW8270               | % Solid:        | 0             |
| Sample Wt/Vol:     | 990                  | Units:          | mL            |
| Soil Aliquot Vol:  |                      |                 | uL            |
| Extraction Type :  |                      | Decanted :      | N             |
| Injection Volume : |                      | GPC Factor :    | 1.0           |
| Prep Method :      | SW3510C              | Level :         | LOW           |
|                    |                      | Final Vol:      | 1000          |
|                    |                      | Test:           | SVOCMS Group1 |
|                    |                      | GPC Cleanup :   | N             |
|                    |                      | PH :            |               |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BF140689.D        | 1         | 11/27/24 08:40 | 12/02/24 15:29 | PB165296      |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|------------|-----------|-------|-----------|-----|------------|-------|
|------------|-----------|-------|-----------|-----|------------|-------|

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\BF120224\  
Data File : BF140689.D  
Acq On : 02 Dec 2024 15:29  
Operator : RC/JU  
Sample : P5021-04  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
MW-11

Quant Time: Dec 02 15:59:32 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF112124.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Nov 21 15:23:48 2024  
Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-----------------------------|--------|------|----------|---------|-------|----------|
| -----                       |        |      |          |         |       |          |
| Internal Standards          |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 6.869  | 152  | 78955    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.151  | 136  | 302257   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 9.904  | 164  | 171220   | 20.000  | ng    | -0.01    |
| 64) Phenanthrene-d10        | 11.398 | 188  | 321567   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12            | 14.051 | 240  | 192319   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12            | 15.574 | 264  | 156519   | 20.000  | ng    | 0.04     |
|                             |        |      |          |         |       |          |
| System Monitoring Compounds |        |      |          |         |       |          |
| 5) 2-Fluorophenol           | 5.498  | 112  | 289417   | 62.543  | ng    | 0.00     |
| 7) Phenol-d6                | 6.504  | 99   | 235332   | 38.468  | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.434  | 82   | 564811   | 95.582  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.698 | 330  | 259284   | 141.592 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.222  | 172  | 1084317  | 94.356  | ng    | -0.01    |
| 79) Terphenyl-d14           | 12.980 | 244  | 1124513  | 91.047  | ng    | -0.01    |

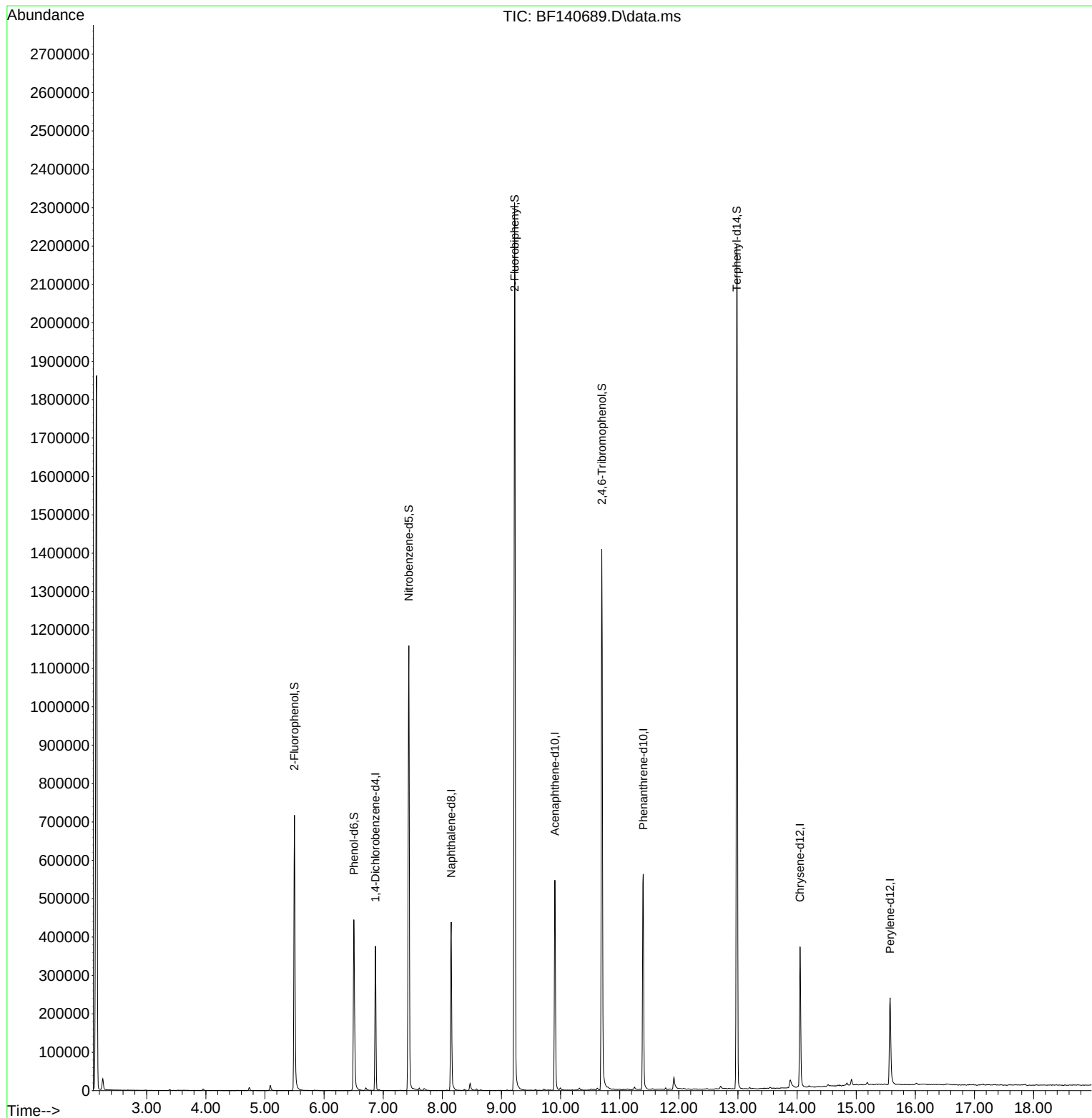
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

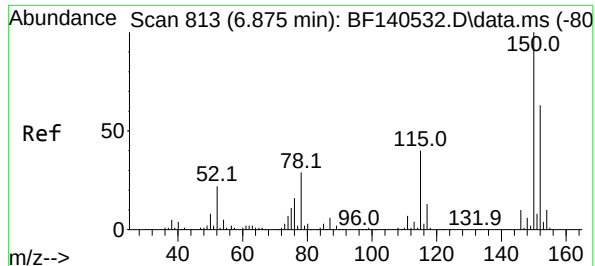
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF120224\  
Data File : BF140689.D  
Acq On : 02 Dec 2024 15:29  
Operator : RC/JU  
Sample : P5021-04  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
MW-11

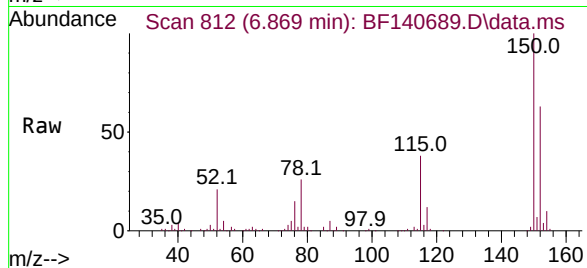
Quant Time: Dec 02 15:59:32 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF112124.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Nov 21 15:23:48 2024  
Response via : Initial Calibration



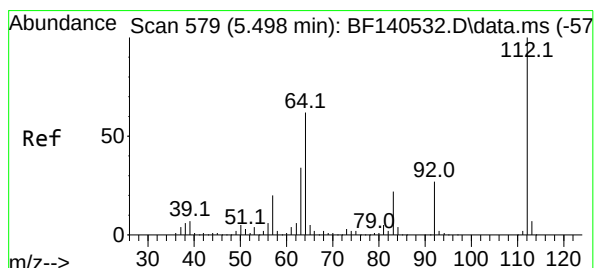
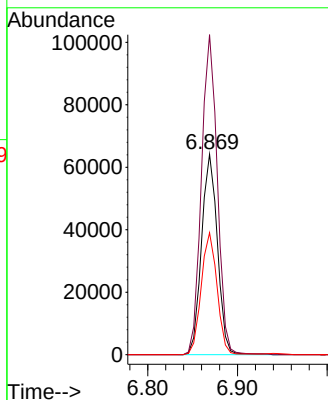
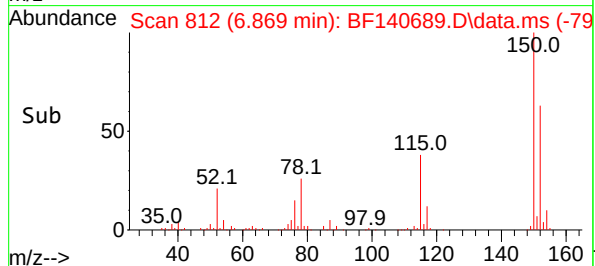


#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.869 min Scan# 813  
Delta R.T. -0.006 min  
Lab File: BF140689.D  
Acq: 02 Dec 2024 15:29

Instrument :  
BNA\_F  
ClientSampleId :  
MW-11

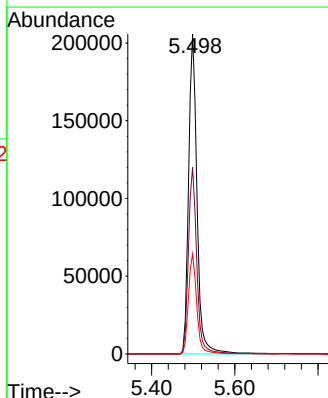
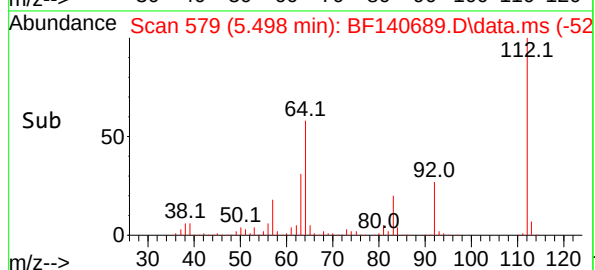
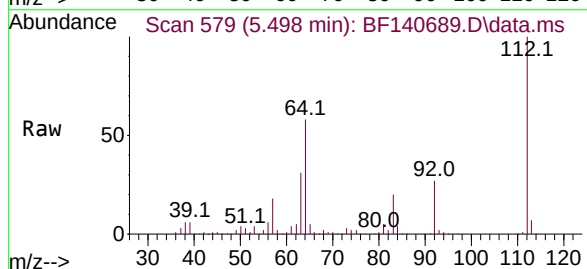


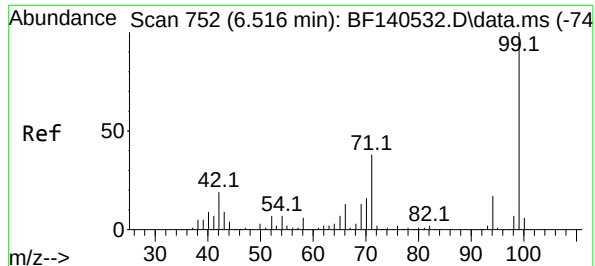
Tgt Ion:152 Resp: 78955  
Ion Ratio Lower Upper  
152 100  
150 159.6 128.5 192.7  
115 60.8 50.2 75.4



#5  
2-Fluorophenol  
Concen: 62.543 ng  
RT: 5.498 min Scan# 579  
Delta R.T. -0.000 min  
Lab File: BF140689.D  
Acq: 02 Dec 2024 15:29

Tgt Ion:112 Resp: 289417  
Ion Ratio Lower Upper  
112 100  
64 58.3 49.2 73.8  
63 31.3 27.0 40.4

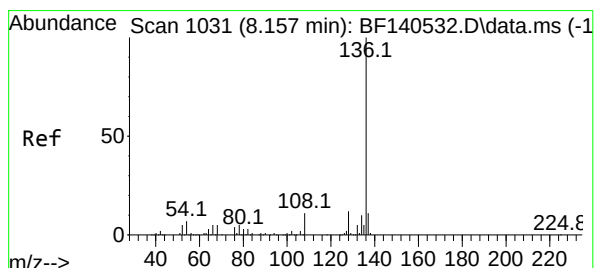
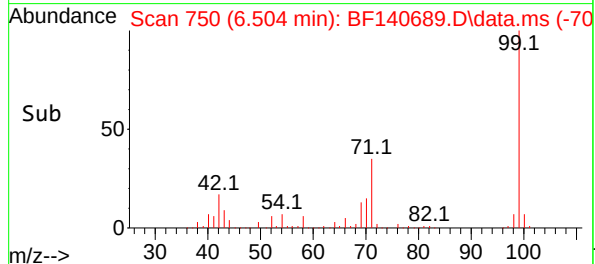
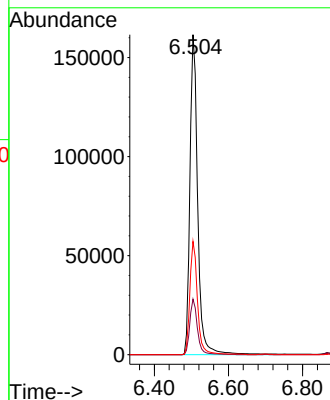
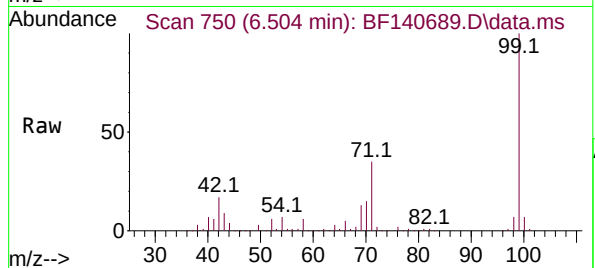




#7  
Phenol-d6  
Concen: 38.468 ng  
RT: 6.504 min Scan# 71  
Delta R.T. -0.012 min  
Lab File: BF140689.D  
Acq: 02 Dec 2024 15:29

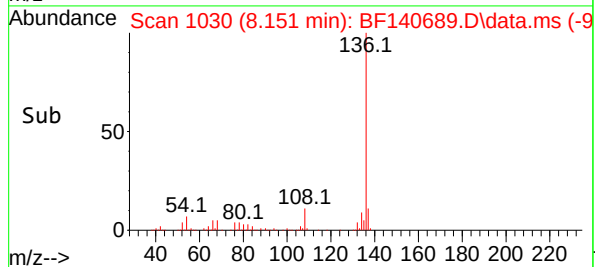
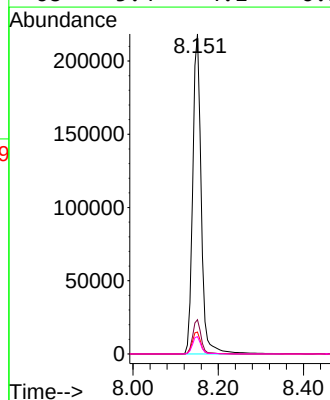
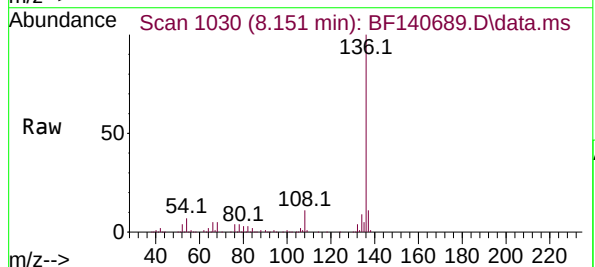
Instrument :  
BNA\_F  
ClientSampleId :  
MW-11

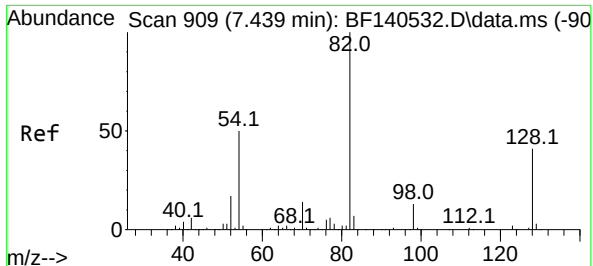
Tgt Ion: 99 Resp: 235332  
Ion Ratio Lower Upper  
99 100  
42 17.4 15.4 23.0  
71 35.4 30.6 46.0



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.151 min Scan# 1030  
Delta R.T. -0.006 min  
Lab File: BF140689.D  
Acq: 02 Dec 2024 15:29

Tgt Ion: 136 Resp: 302257  
Ion Ratio Lower Upper  
136 100  
137 10.7 8.6 13.0  
54 6.9 5.8 8.8  
68 5.4 4.1 6.1





#23

Nitrobenzene-d5

Concen: 95.582 ng

RT: 7.434 min Scan# 909

Delta R.T. -0.006 min

Lab File: BF140689.D

Acq: 02 Dec 2024 15:29

Instrument :

BNA\_F

ClientSampleId :

MW-11

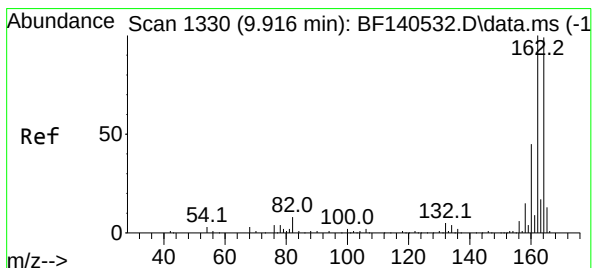
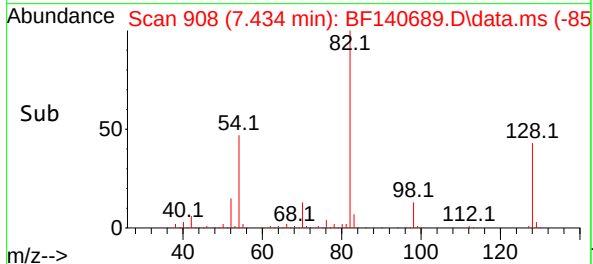
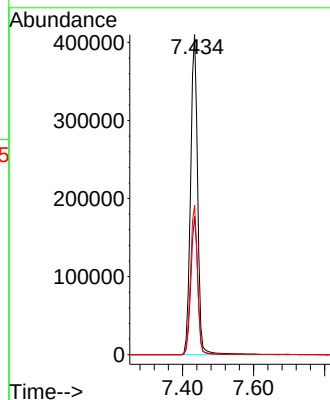
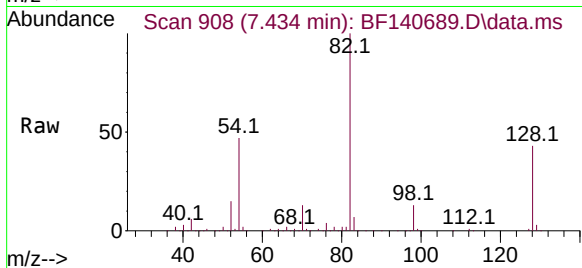
Tgt Ion: 82 Resp: 564811

Ion Ratio Lower Upper

82 100

128 43.1 33.0 49.4

54 46.7 39.5 59.3



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.904 min Scan# 1328

Delta R.T. -0.012 min

Lab File: BF140689.D

Acq: 02 Dec 2024 15:29

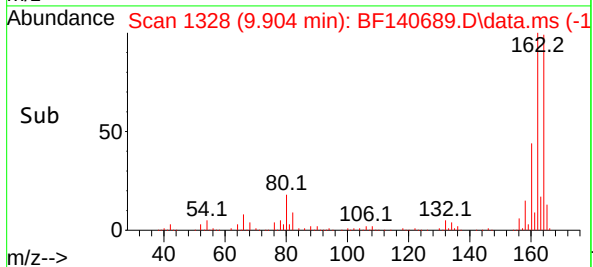
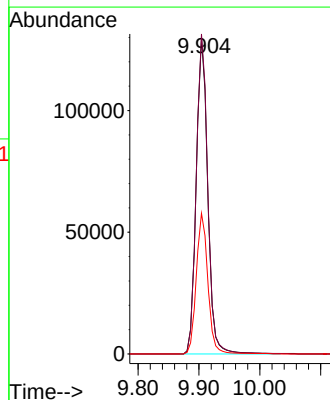
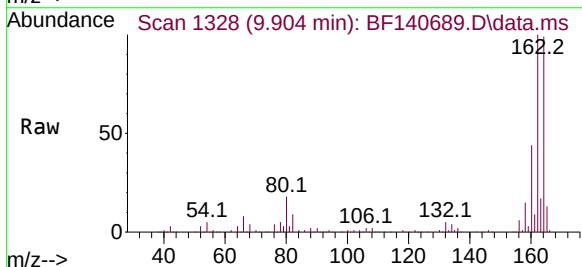
Tgt Ion: 164 Resp: 171220

Ion Ratio Lower Upper

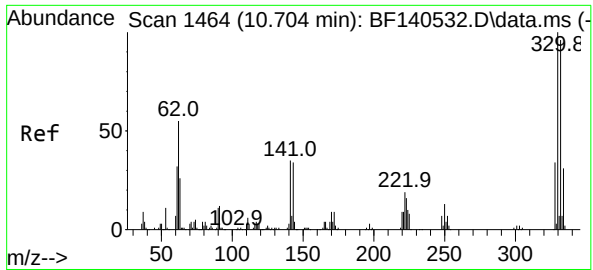
164 100

162 101.2 80.6 120.8

160 44.5 36.2 54.4



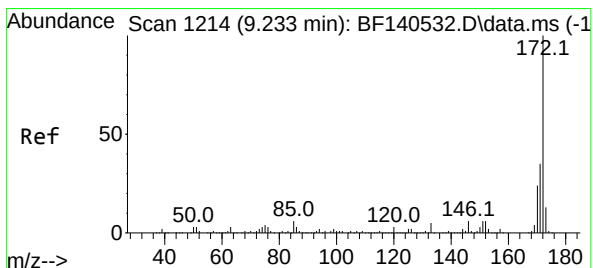
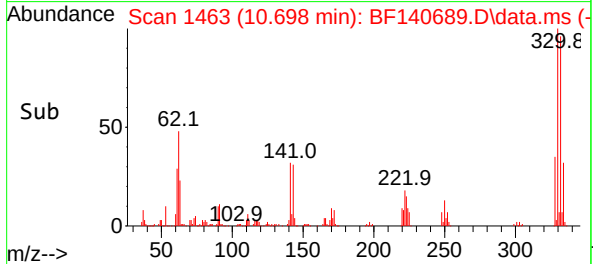
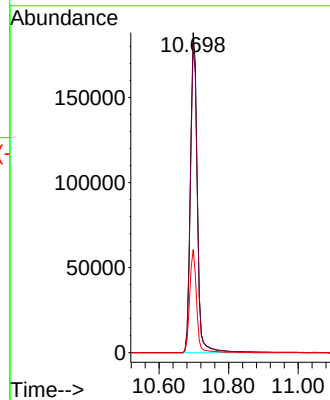
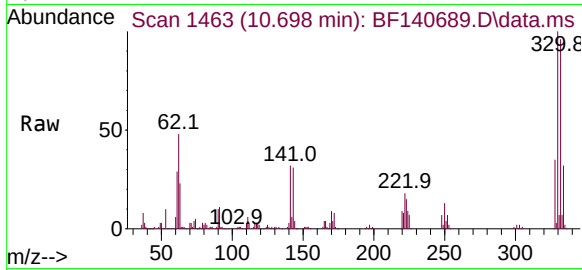




#42  
2,4,6-Tribromophenol  
Concen: 141.592 ng  
RT: 10.698 min Scan# 1463  
Delta R.T. -0.006 min  
Lab File: BF140689.D  
Acq: 02 Dec 2024 15:29

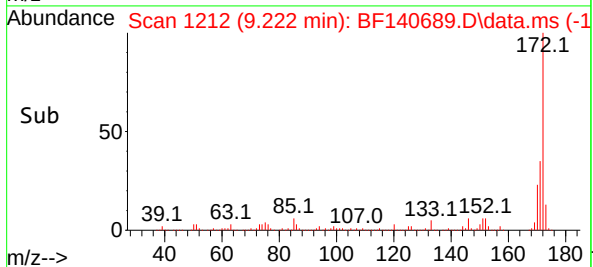
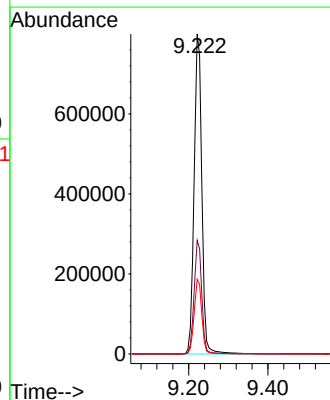
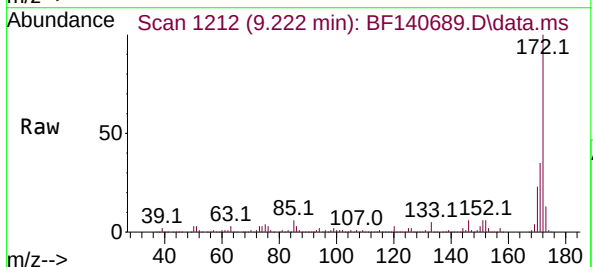
Instrument :  
BNA\_F  
ClientSampleId :  
MW-11

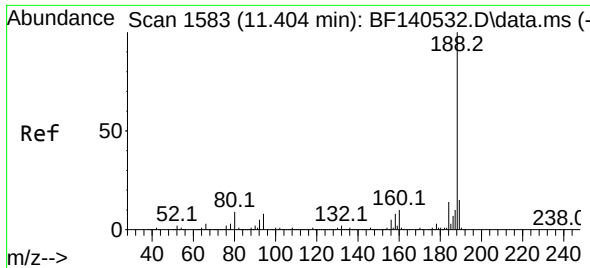
Tgt Ion:330 Resp: 259284  
Ion Ratio Lower Upper  
330 100  
332 96.6 76.9 115.3  
141 32.1 26.7 40.1



#45  
2-Fluorobiphenyl  
Concen: 94.356 ng  
RT: 9.222 min Scan# 1212  
Delta R.T. -0.012 min  
Lab File: BF140689.D  
Acq: 02 Dec 2024 15:29

Tgt Ion:172 Resp: 1084317  
Ion Ratio Lower Upper  
172 100  
171 35.5 28.4 42.6  
170 23.4 19.0 28.6

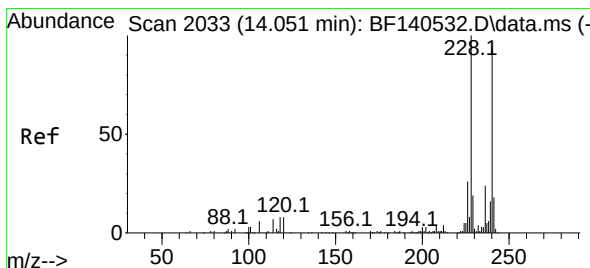
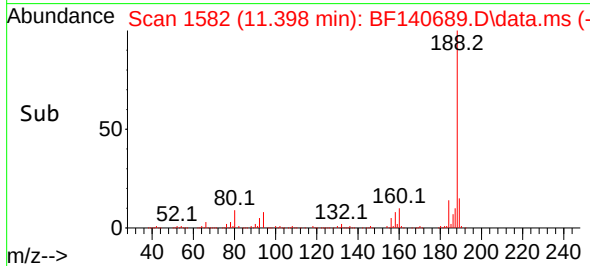
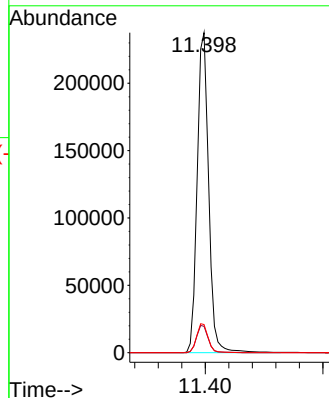
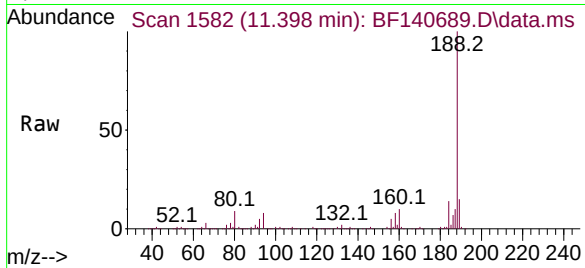




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.398 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF140689.D  
Acq: 02 Dec 2024 15:29

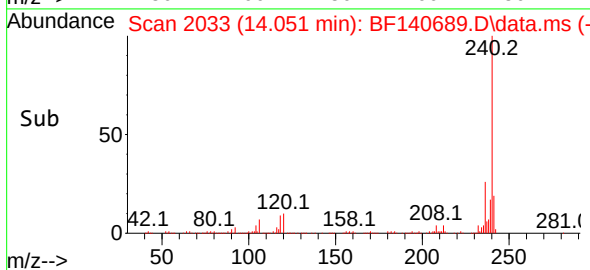
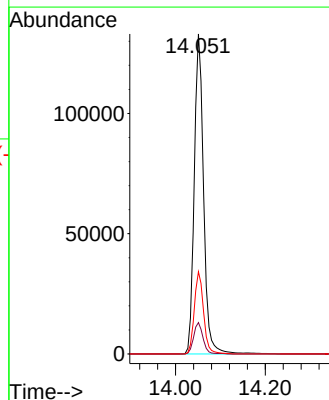
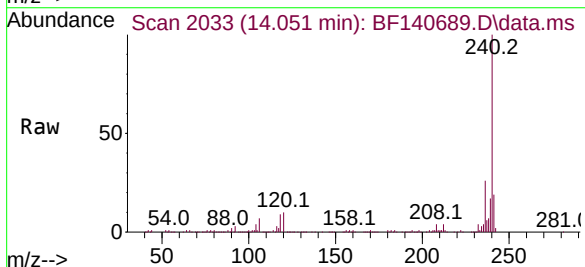
Instrument :  
BNA\_F  
ClientSampleId :  
MW-11

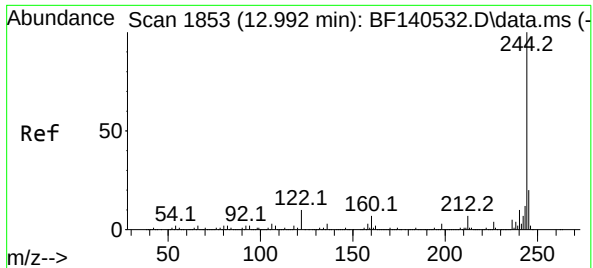
Tgt Ion:188 Resp: 321567  
Ion Ratio Lower Upper  
188 100  
94 8.2 6.4 9.6  
80 8.8 6.9 10.3



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.051 min Scan# 2033  
Delta R.T. -0.000 min  
Lab File: BF140689.D  
Acq: 02 Dec 2024 15:29

Tgt Ion:240 Resp: 192319  
Ion Ratio Lower Upper  
240 100  
120 9.8 7.3 10.9  
236 25.7 20.6 31.0

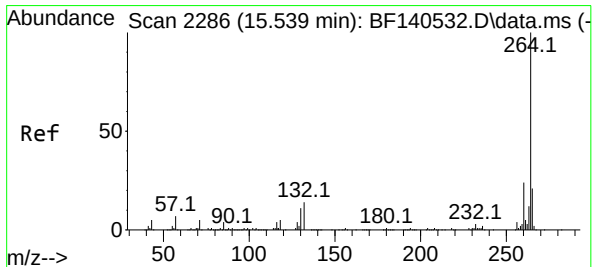
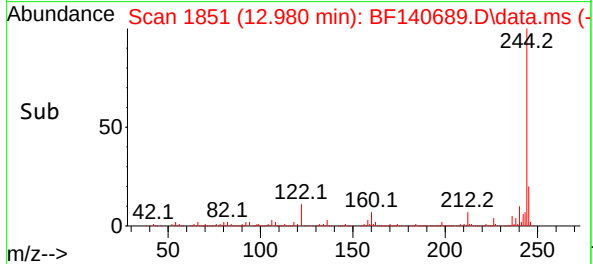
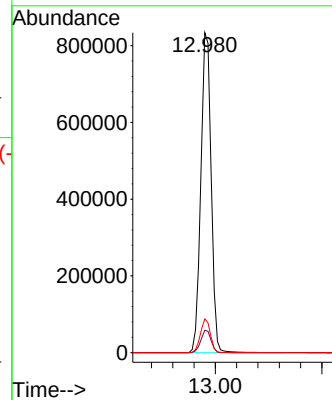
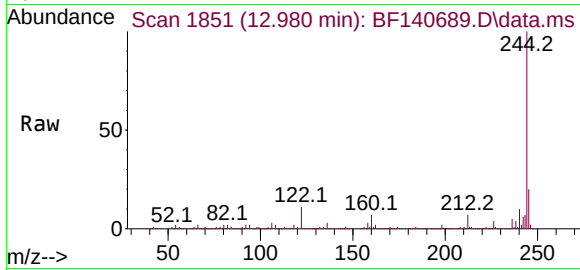




#79  
Terphenyl-d14  
Concen: 91.047 ng  
RT: 12.980 min Scan# 11  
Delta R.T. -0.012 min  
Lab File: BF140689.D  
Acq: 02 Dec 2024 15:29

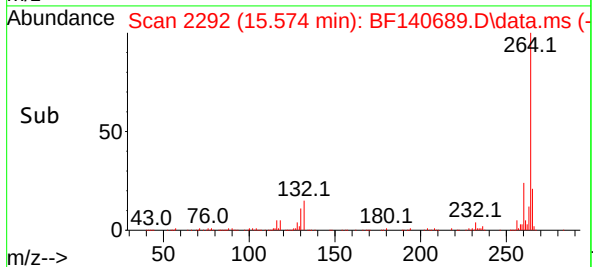
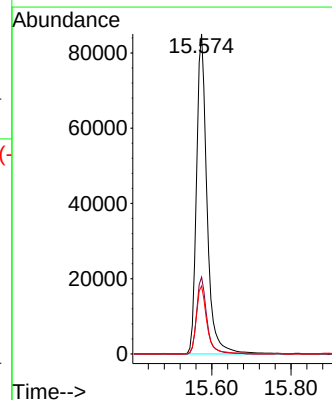
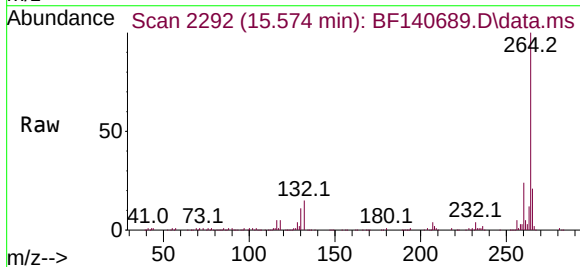
Instrument :  
BNA\_F  
ClientSampleId :  
MW-11

Tgt Ion:244 Resp: 1124513  
Ion Ratio Lower Upper  
244 100  
212 7.0 5.8 8.8  
122 10.6 8.0 12.0



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.574 min Scan# 2292  
Delta R.T. 0.035 min  
Lab File: BF140689.D  
Acq: 02 Dec 2024 15:29

Tgt Ion:264 Resp: 156519  
Ion Ratio Lower Upper  
264 100  
260 24.0 19.0 28.6  
265 21.3 16.6 25.0



## Report of Analysis

|                    |                       |                 |               |
|--------------------|-----------------------|-----------------|---------------|
| Client:            | LiRo Engineers, Inc.  | Date Collected: | 11/26/24      |
| Project:           | RFK Bridge            | Date Received:  | 11/27/24      |
| Client Sample ID:  | MW-13                 | SDG No.:        | P5021         |
| Lab Sample ID:     | P5021-05              | Matrix:         | Water         |
| Analytical Method: | SW8270                | % Solid:        | 0             |
| Sample Wt/Vol:     | 990      Units:    mL | Final Vol:      | 1000      uL  |
| Soil Aliquot Vol:  | uL                    | Test:           | SVOCMS Group1 |
| Extraction Type :  | Decanted :    N       | Level :         | LOW           |
| Injection Volume : | GPC Factor :    1.0   | GPC Cleanup :   | N      PH :   |
| Prep Method :      | SW3510C               |                 |               |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BF140688.D        | 1         | 11/27/24 08:40 | 12/02/24 15:03 | PB165296      |

| CAS Number                | Parameter              | Conc.  | Qualifier | MDL      | LOQ / CRQL | Units    |
|---------------------------|------------------------|--------|-----------|----------|------------|----------|
| <b>TARGETS</b>            |                        |        |           |          |            |          |
| 208-96-8                  | Acenaphthylene         | 5.10   | UQ        | 1.10     | 5.10       | ug/L     |
| 83-32-9                   | Acenaphthene           | 5.10   | U         | 0.82     | 5.10       | ug/L     |
| 86-73-7                   | Fluorene               | 5.10   | U         | 0.97     | 5.10       | ug/L     |
| 85-01-8                   | Phenanthrene           | 5.10   | U         | 0.90     | 5.10       | ug/L     |
| 120-12-7                  | Anthracene             | 5.10   | U         | 1.10     | 5.10       | ug/L     |
| 206-44-0                  | Fluoranthene           | 5.10   | U         | 1.30     | 5.10       | ug/L     |
| 129-00-0                  | Pyrene                 | 5.10   | UQ        | 1.10     | 5.10       | ug/L     |
| 56-55-3                   | Benzo(a)anthracene     | 5.10   | UQ        | 0.95     | 5.10       | ug/L     |
| 218-01-9                  | Chrysene               | 5.10   | UQ        | 0.87     | 5.10       | ug/L     |
| 205-99-2                  | Benzo(b)fluoranthene   | 5.10   | U         | 1.20     | 5.10       | ug/L     |
| 207-08-9                  | Benzo(k)fluoranthene   | 5.10   | UQ        | 1.20     | 5.10       | ug/L     |
| 50-32-8                   | Benzo(a)pyrene         | 5.10   | U         | 1.70     | 5.10       | ug/L     |
| 193-39-5                  | Indeno(1,2,3-cd)pyrene | 5.10   | U         | 1.00     | 5.10       | ug/L     |
| 53-70-3                   | Dibenzo(a,h)anthracene | 5.10   | U         | 1.20     | 5.10       | ug/L     |
| 191-24-2                  | Benzo(g,h,i)perylene   | 5.10   | U         | 1.20     | 5.10       | ug/L     |
| <b>SURROGATES</b>         |                        |        |           |          |            |          |
| 4165-60-0                 | Nitrobenzene-d5        | 96.1   |           | 49 - 133 | 96%        | SPK: 100 |
| 321-60-8                  | 2-Fluorobiphenyl       | 94.0   |           | 52 - 132 | 94%        | SPK: 100 |
| 1718-51-0                 | Terphenyl-d14          | 90.8   |           | 48 - 125 | 91%        | SPK: 100 |
| <b>INTERNAL STANDARDS</b> |                        |        |           |          |            |          |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4 | 82100  | 6.869     |          |            |          |
| 1146-65-2                 | Naphthalene-d8         | 307000 | 8.151     |          |            |          |
| 15067-26-2                | Acenaphthene-d10       | 175000 | 9.904     |          |            |          |
| 1517-22-2                 | Phenanthrene-d10       | 319000 | 11.398    |          |            |          |
| 1719-03-5                 | Chrysene-d12           | 197000 | 14.051    |          |            |          |
| 1520-96-3                 | Perylene-d12           | 158000 | 15.568    |          |            |          |

## Report of Analysis

|                    |                       |                 |               |
|--------------------|-----------------------|-----------------|---------------|
| Client:            | LiRo Engineers, Inc.  | Date Collected: | 11/26/24      |
| Project:           | RFK Bridge            | Date Received:  | 11/27/24      |
| Client Sample ID:  | MW-13                 | SDG No.:        | P5021         |
| Lab Sample ID:     | P5021-05              | Matrix:         | Water         |
| Analytical Method: | SW8270                | % Solid:        | 0             |
| Sample Wt/Vol:     | 990      Units:    mL | Final Vol:      | 1000      uL  |
| Soil Aliquot Vol:  | uL                    | Test:           | SVOCMS Group1 |
| Extraction Type :  | Decanted :    N       | Level :         | LOW           |
| Injection Volume : | GPC Factor :    1.0   | GPC Cleanup :   | N      PH :   |
| Prep Method :      | SW3510C               |                 |               |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BF140688.D        | 1         | 11/27/24 08:40 | 12/02/24 15:03 | PB165296      |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|------------|-----------|-------|-----------|-----|------------|-------|
|------------|-----------|-------|-----------|-----|------------|-------|

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\BF120224\  
Data File : BF140688.D  
Acq On : 02 Dec 2024 15:03  
Operator : RC/JU  
Sample : P5021-05  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
MW-13

Quant Time: Dec 02 15:41:50 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF112124.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Nov 21 15:23:48 2024  
Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-----------------------------|--------|------|----------|---------|-------|----------|
| -----                       |        |      |          |         |       |          |
| Internal Standards          |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 6.869  | 152  | 82130    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.151  | 136  | 307028   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 9.904  | 164  | 174760   | 20.000  | ng    | -0.01    |
| 64) Phenanthrene-d10        | 11.398 | 188  | 319066   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12            | 14.051 | 240  | 197195   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12            | 15.568 | 264  | 158239   | 20.000  | ng    | 0.03     |
|                             |        |      |          |         |       |          |
| System Monitoring Compounds |        |      |          |         |       |          |
| 5) 2-Fluorophenol           | 5.499  | 112  | 304229   | 63.202  | ng    | 0.00     |
| 7) Phenol-d6                | 6.504  | 99   | 242916   | 38.172  | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.434  | 82   | 576667   | 96.072  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.698 | 330  | 264102   | 141.301 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.222  | 172  | 1102934  | 94.032  | ng    | -0.01    |
| 79) Terphenyl-d14           | 12.986 | 244  | 1150164  | 90.822  | ng    | 0.00     |

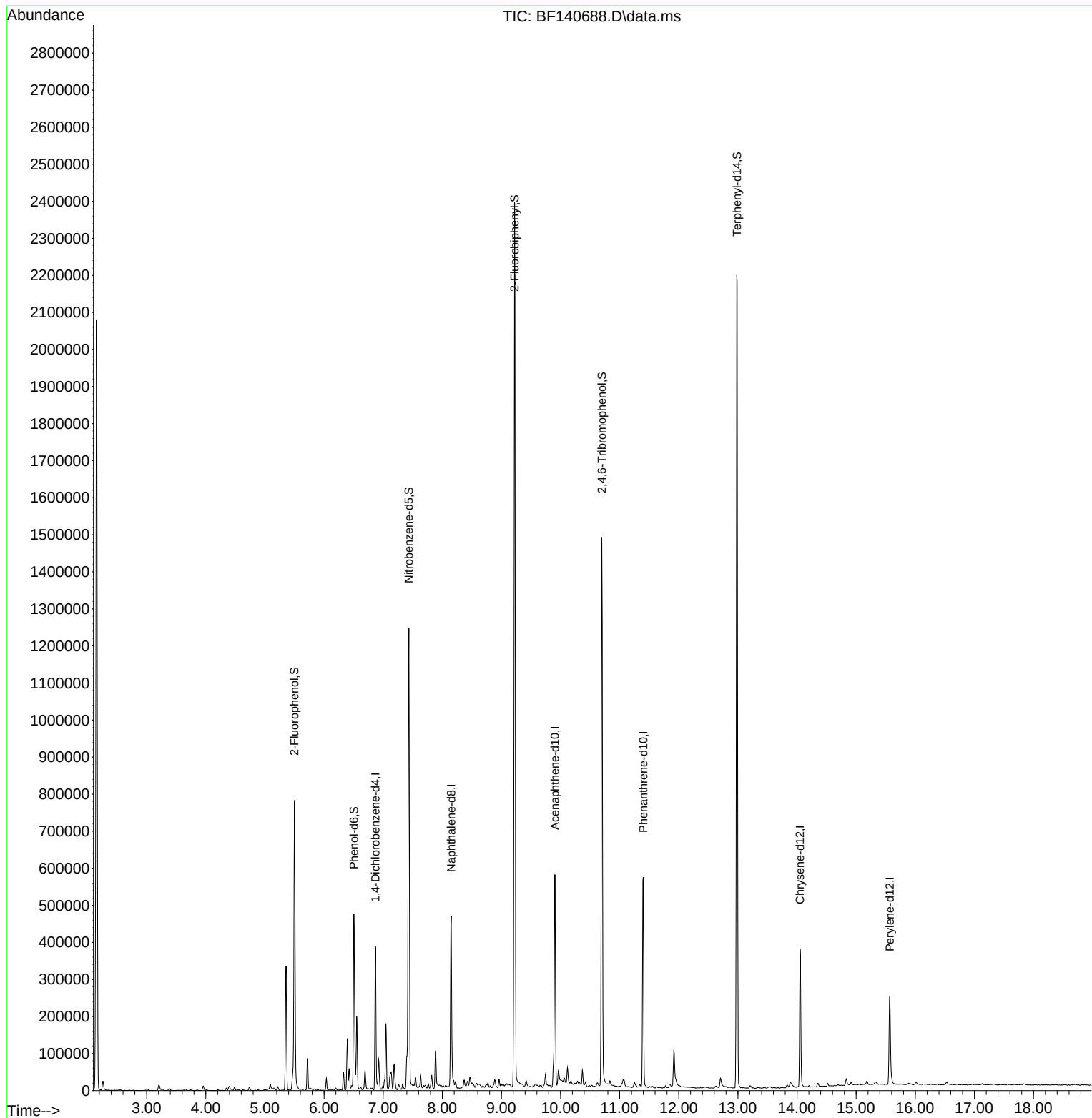
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

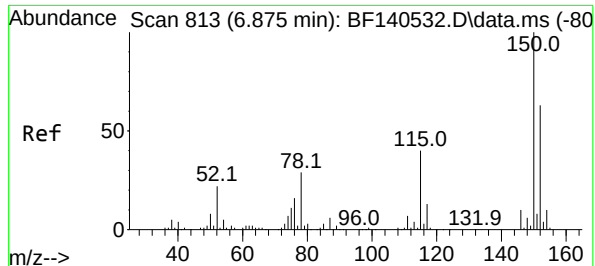
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF120224\  
Data File : BF140688.D  
Acq On : 02 Dec 2024 15:03  
Operator : RC/JU  
Sample : P5021-05  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
MW-13

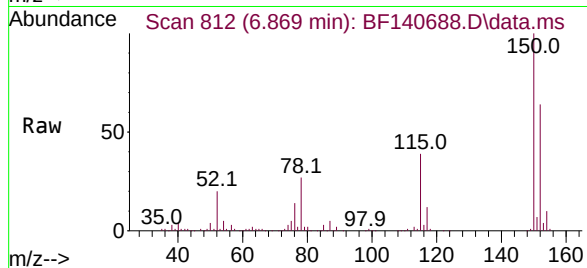
Quant Time: Dec 02 15:41:50 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF112124.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Nov 21 15:23:48 2024  
Response via : Initial Calibration



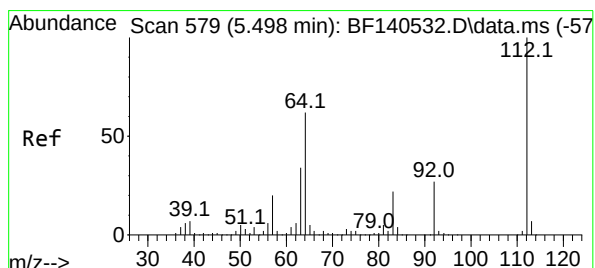
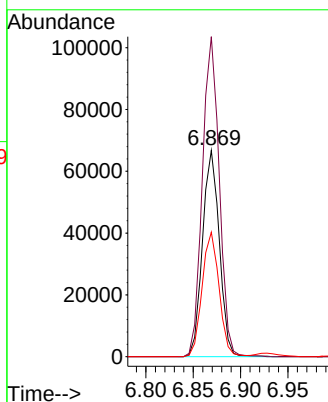
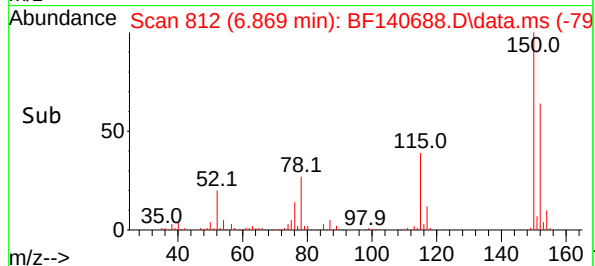


#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.869 min Scan# 813  
Delta R.T. -0.006 min  
Lab File: BF140688.D  
Acq: 02 Dec 2024 15:03

Instrument :  
BNA\_F  
ClientSampleId :  
MW-13

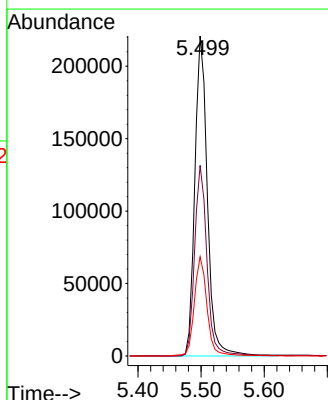
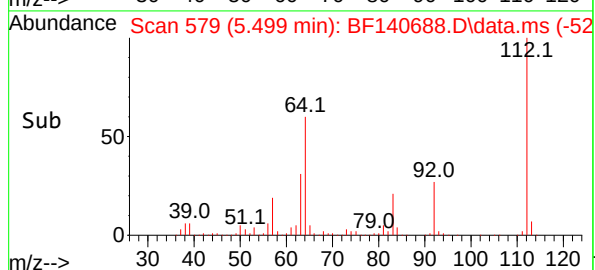
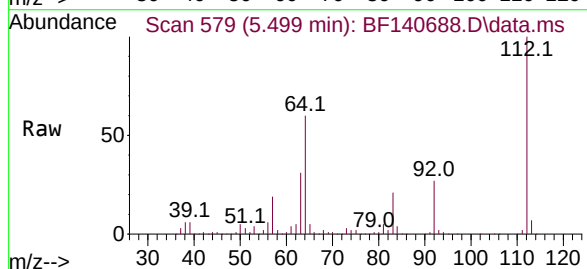


Tgt Ion:152 Resp: 82130  
Ion Ratio Lower Upper  
152 100  
150 155.1 128.5 192.7  
115 60.4 50.2 75.4

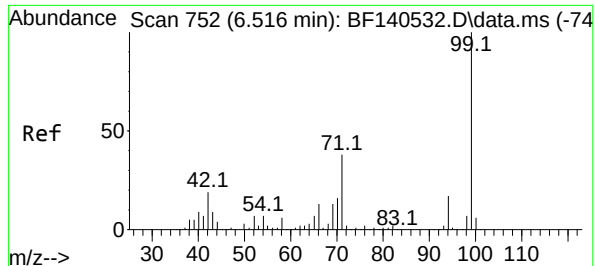


#5  
2-Fluorophenol  
Concen: 63.202 ng  
RT: 5.499 min Scan# 579  
Delta R.T. 0.000 min  
Lab File: BF140688.D  
Acq: 02 Dec 2024 15:03

Tgt Ion:112 Resp: 304229  
Ion Ratio Lower Upper  
112 100  
64 59.5 49.2 73.8  
63 31.0 27.0 40.4



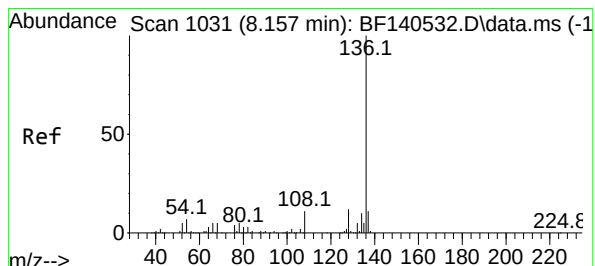
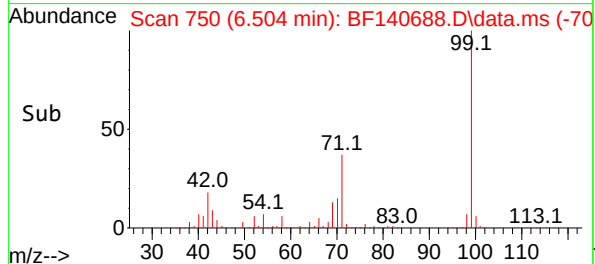
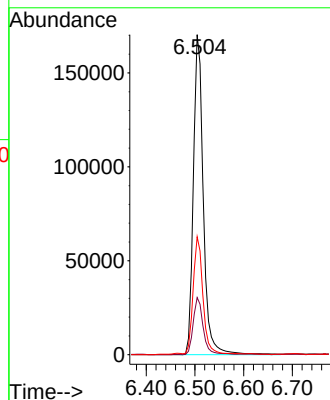
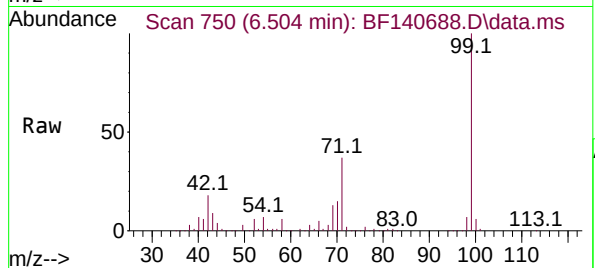




#7  
Phenol-d6  
Concen: 38.172 ng  
RT: 6.504 min Scan# 71  
Delta R.T. -0.012 min  
Lab File: BF140688.D  
Acq: 02 Dec 2024 15:03

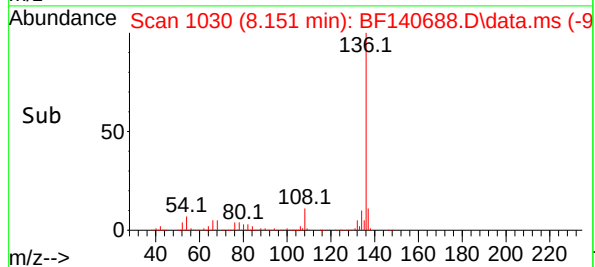
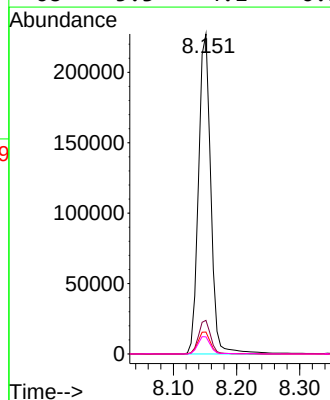
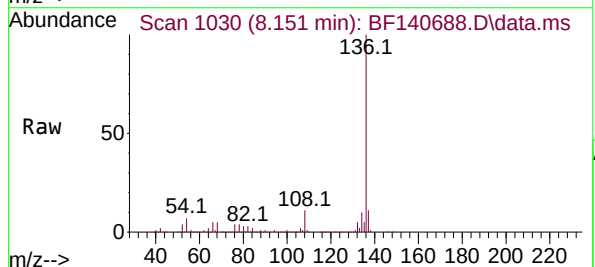
Instrument :  
BNA\_F  
ClientSampleId :  
MW-13

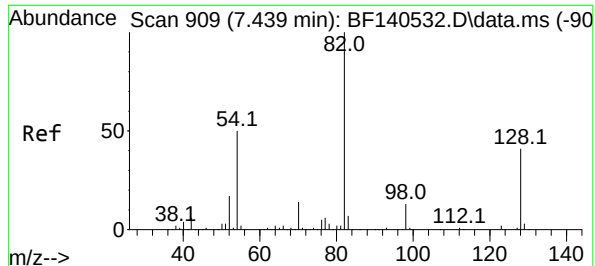
Tgt Ion: 99 Resp: 242916  
Ion Ratio Lower Upper  
99 100  
42 17.9 15.4 23.0  
71 36.8 30.6 46.0



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.151 min Scan# 1030  
Delta R.T. -0.006 min  
Lab File: BF140688.D  
Acq: 02 Dec 2024 15:03

Tgt Ion: 136 Resp: 307028  
Ion Ratio Lower Upper  
136 100  
137 10.5 8.6 13.0  
54 6.9 5.8 8.8  
68 5.3 4.1 6.1





#23

Nitrobenzene-d5

Concen: 96.072 ng

RT: 7.434 min Scan# 90

Delta R.T. -0.006 min

Lab File: BF140688.D

Acq: 02 Dec 2024 15:03

Instrument :

BNA\_F

ClientSampleId :

MW-13

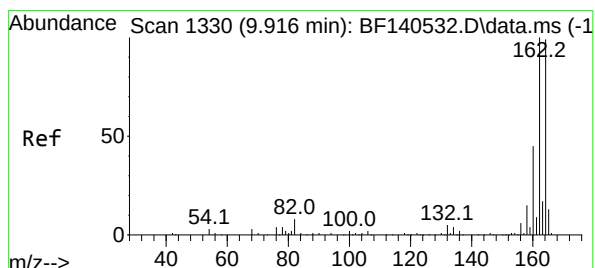
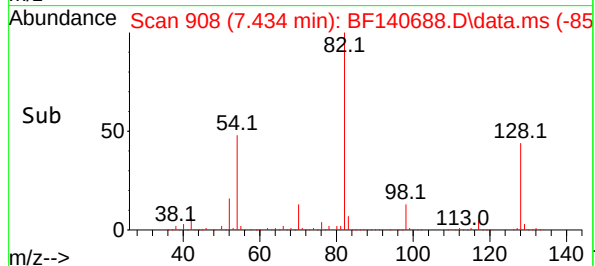
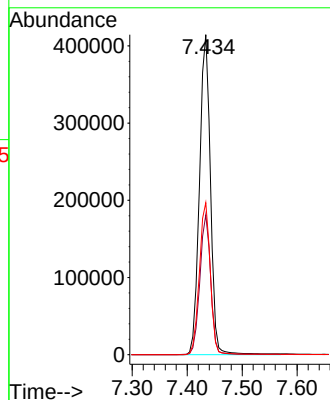
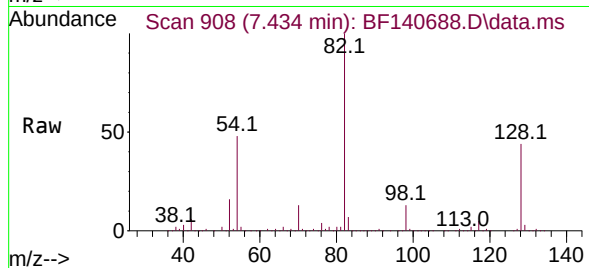
Tgt Ion: 82 Resp: 576667

Ion Ratio Lower Upper

82 100

128 43.7 33.0 49.4

54 47.5 39.5 59.3



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.904 min Scan# 1328

Delta R.T. -0.012 min

Lab File: BF140688.D

Acq: 02 Dec 2024 15:03

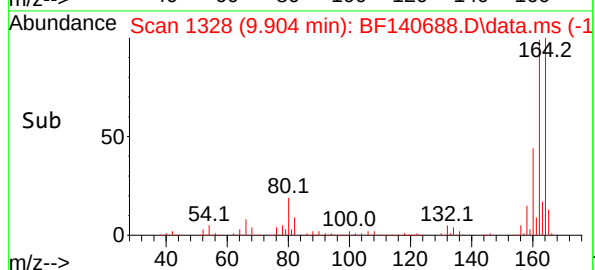
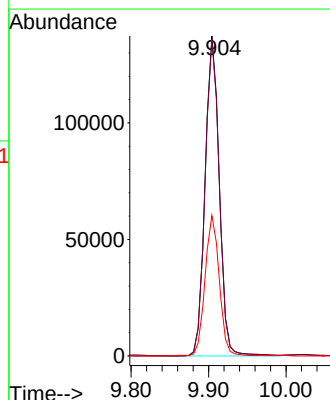
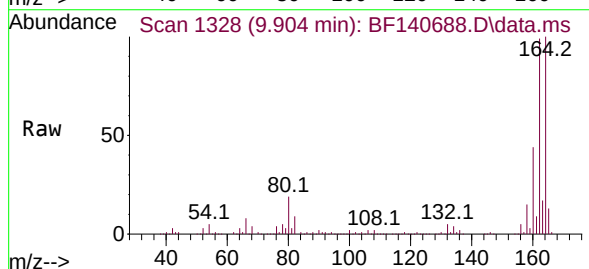
Tgt Ion: 164 Resp: 174760

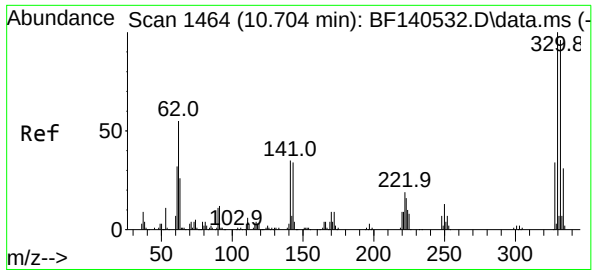
Ion Ratio Lower Upper

164 100

162 98.9 80.6 120.8

160 43.9 36.2 54.4





#42

2,4,6-Tribromophenol

Concen: 141.301 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.006 min

Lab File: BF140688.D

Acq: 02 Dec 2024 15:03

Instrument :

BNA\_F

ClientSampleId :

MW-13

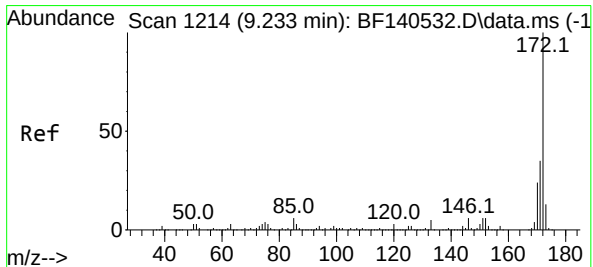
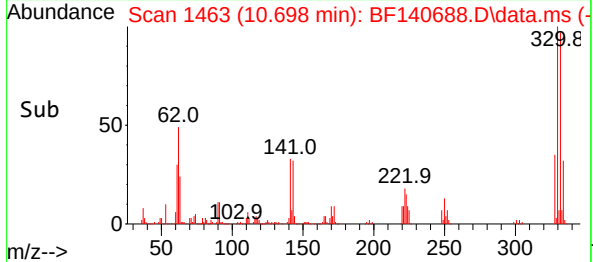
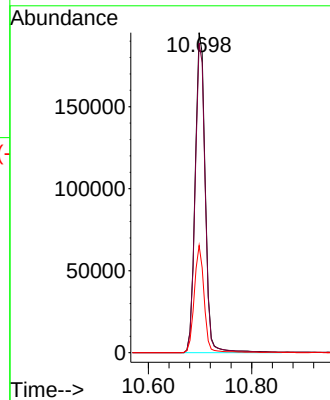
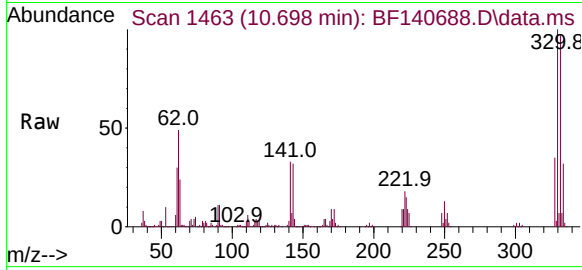
Tgt Ion:330 Resp: 264102

Ion Ratio Lower Upper

330 100

332 96.7 76.9 115.3

141 32.9 26.7 40.1



#45

2-Fluorobiphenyl

Concen: 94.032 ng

RT: 9.222 min Scan# 1212

Delta R.T. -0.012 min

Lab File: BF140688.D

Acq: 02 Dec 2024 15:03

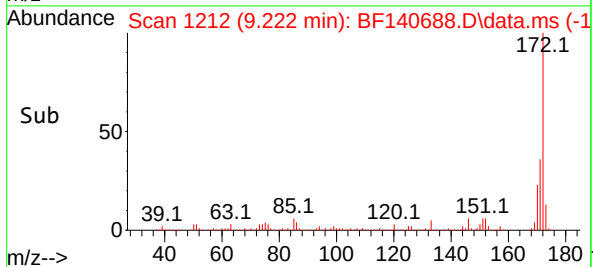
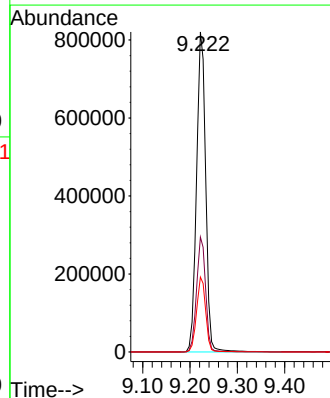
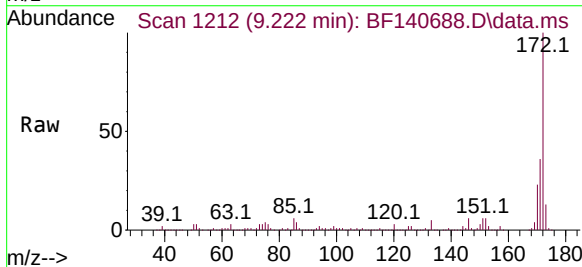
Tgt Ion:172 Resp: 1102934

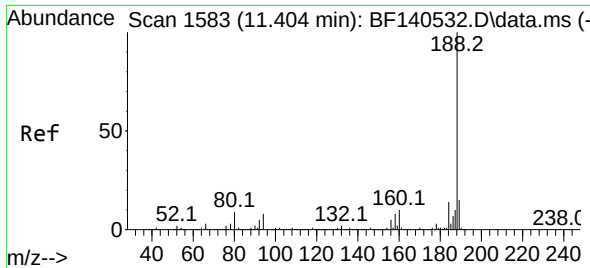
Ion Ratio Lower Upper

172 100

171 35.9 28.4 42.6

170 23.4 19.0 28.6

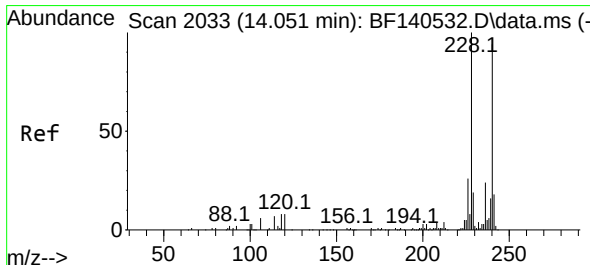
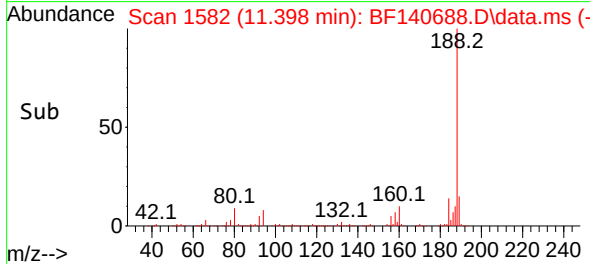
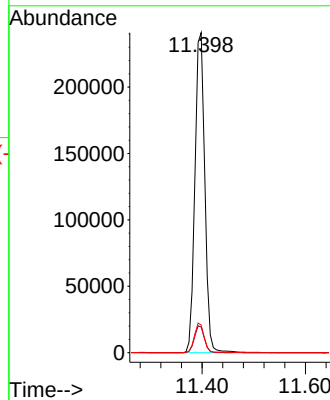
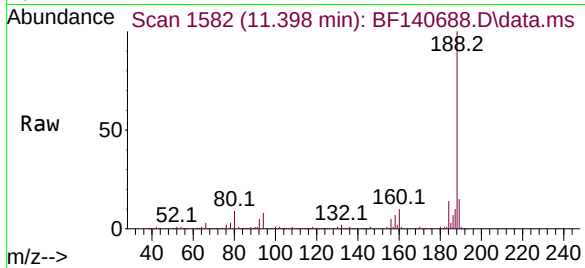




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.398 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF140688.D  
Acq: 02 Dec 2024 15:03

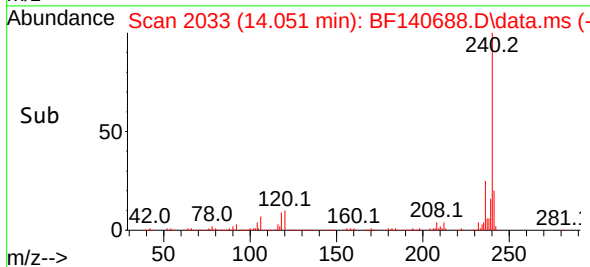
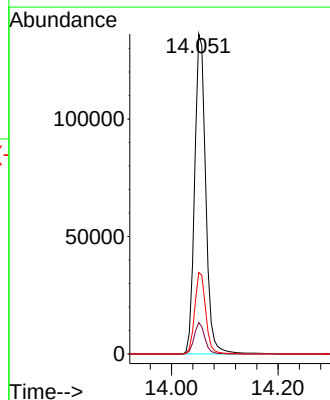
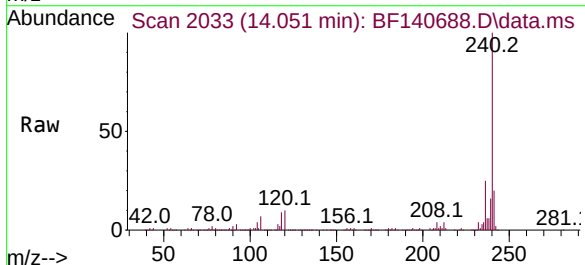
Instrument :  
BNA\_F  
ClientSampleId :  
MW-13

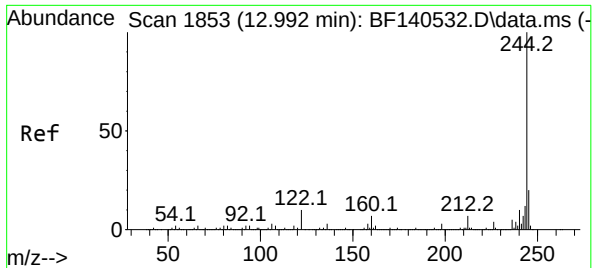
Tgt Ion:188 Resp: 319066  
Ion Ratio Lower Upper  
188 100  
94 8.0 6.4 9.6  
80 8.6 6.9 10.3



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.051 min Scan# 2033  
Delta R.T. 0.000 min  
Lab File: BF140688.D  
Acq: 02 Dec 2024 15:03

Tgt Ion:240 Resp: 197195  
Ion Ratio Lower Upper  
240 100  
120 9.8 7.3 10.9  
236 25.5 20.6 31.0





#79

Terphenyl-d14

Concen: 90.822 ng

RT: 12.986 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF140688.D

Acq: 02 Dec 2024 15:03

Instrument :

BNA\_F

ClientSampleId :

MW-13

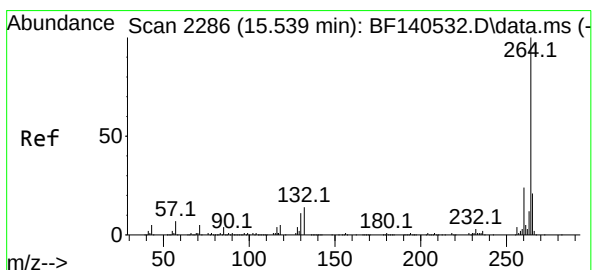
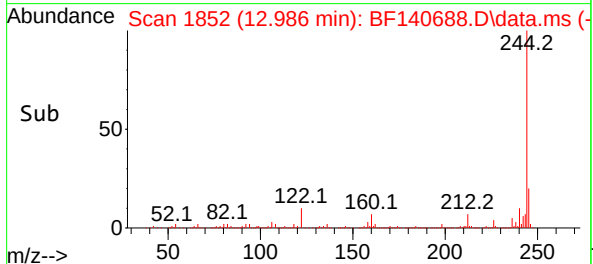
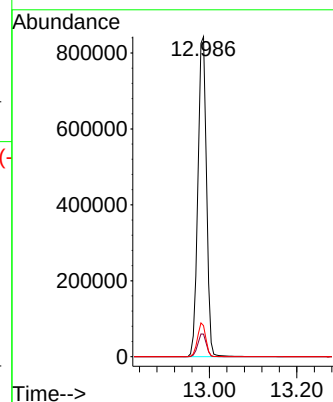
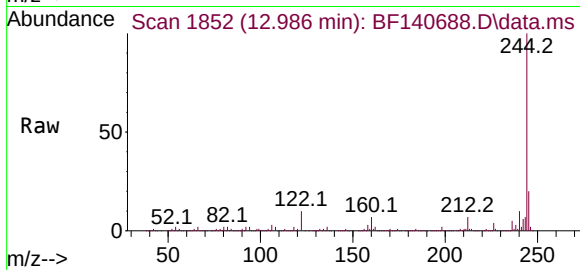
Tgt Ion:244 Resp: 1150164

Ion Ratio Lower Upper

244 100

212 7.1 5.8 8.8

122 9.7 8.0 12.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.568 min Scan# 2291

Delta R.T. 0.030 min

Lab File: BF140688.D

Acq: 02 Dec 2024 15:03

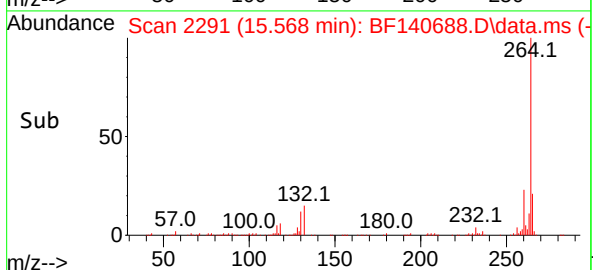
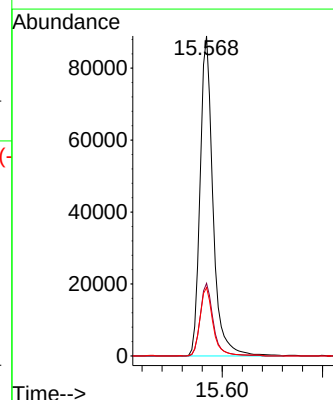
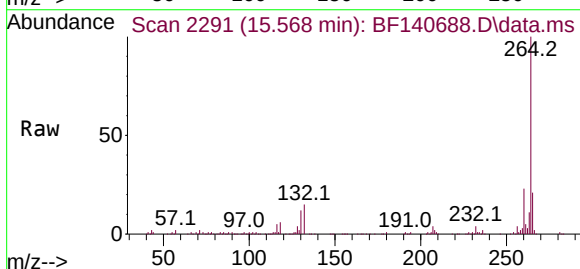
Tgt Ion:264 Resp: 158239

Ion Ratio Lower Upper

264 100

260 22.7 19.0 28.6

265 21.3 16.6 25.0



## Report of Analysis

|                    |                       |                 |               |
|--------------------|-----------------------|-----------------|---------------|
| Client:            | LiRo Engineers, Inc.  | Date Collected: | 11/26/24      |
| Project:           | RFK Bridge            | Date Received:  | 11/27/24      |
| Client Sample ID:  | MW-12                 | SDG No.:        | P5021         |
| Lab Sample ID:     | P5021-06              | Matrix:         | Water         |
| Analytical Method: | SW8270                | % Solid:        | 0             |
| Sample Wt/Vol:     | 980      Units:    mL | Final Vol:      | 1000      uL  |
| Soil Aliquot Vol:  | uL                    | Test:           | SVOCMS Group1 |
| Extraction Type :  | Decanted :    N       | Level :         | LOW           |
| Injection Volume : | GPC Factor :    1.0   | GPC Cleanup :   | N      PH :   |
| Prep Method :      | SW3510C               |                 |               |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BF140712.D        | 1         | 11/27/24 08:40 | 12/03/24 15:50 | PB165296      |

| CAS Number                | Parameter              | Conc.  | Qualifier | MDL      | LOQ / CRQL | Units    |
|---------------------------|------------------------|--------|-----------|----------|------------|----------|
| <b>TARGETS</b>            |                        |        |           |          |            |          |
| 208-96-8                  | Acenaphthylene         | 5.10   | UQ        | 1.10     | 5.10       | ug/L     |
| 83-32-9                   | Acenaphthene           | 5.10   | U         | 0.83     | 5.10       | ug/L     |
| 86-73-7                   | Fluorene               | 5.10   | U         | 0.98     | 5.10       | ug/L     |
| 85-01-8                   | Phenanthrene           | 5.10   | U         | 0.91     | 5.10       | ug/L     |
| 120-12-7                  | Anthracene             | 5.10   | U         | 1.10     | 5.10       | ug/L     |
| 206-44-0                  | Fluoranthene           | 5.10   | U         | 1.30     | 5.10       | ug/L     |
| 129-00-0                  | Pyrene                 | 5.10   | UQ        | 1.10     | 5.10       | ug/L     |
| 56-55-3                   | Benzo(a)anthracene     | 5.10   | UQ        | 0.96     | 5.10       | ug/L     |
| 218-01-9                  | Chrysene               | 5.10   | UQ        | 0.88     | 5.10       | ug/L     |
| 205-99-2                  | Benzo(b)fluoranthene   | 5.10   | U         | 1.20     | 5.10       | ug/L     |
| 207-08-9                  | Benzo(k)fluoranthene   | 5.10   | UQ        | 1.20     | 5.10       | ug/L     |
| 50-32-8                   | Benzo(a)pyrene         | 5.10   | U         | 1.70     | 5.10       | ug/L     |
| 193-39-5                  | Indeno(1,2,3-cd)pyrene | 5.10   | U         | 1.00     | 5.10       | ug/L     |
| 53-70-3                   | Dibenzo(a,h)anthracene | 5.10   | U         | 1.20     | 5.10       | ug/L     |
| 191-24-2                  | Benzo(g,h,i)perylene   | 5.10   | U         | 1.20     | 5.10       | ug/L     |
| <b>SURROGATES</b>         |                        |        |           |          |            |          |
| 4165-60-0                 | Nitrobenzene-d5        | 93.5   |           | 49 - 133 | 93%        | SPK: 100 |
| 321-60-8                  | 2-Fluorobiphenyl       | 88.4   |           | 52 - 132 | 88%        | SPK: 100 |
| 1718-51-0                 | Terphenyl-d14          | 97.2   |           | 48 - 125 | 97%        | SPK: 100 |
| <b>INTERNAL STANDARDS</b> |                        |        |           |          |            |          |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4 | 67800  |           | 6.869    |            |          |
| 1146-65-2                 | Naphthalene-d8         | 251000 |           | 8.151    |            |          |
| 15067-26-2                | Acenaphthene-d10       | 156000 |           | 9.904    |            |          |
| 1517-22-2                 | Phenanthrene-d10       | 260000 |           | 11.398   |            |          |
| 1719-03-5                 | Chrysene-d12           | 154000 |           | 14.051   |            |          |
| 1520-96-3                 | Perylene-d12           | 131000 |           | 15.563   |            |          |

### Report of Analysis

|                    |                      |                 |               |
|--------------------|----------------------|-----------------|---------------|
| Client:            | LiRo Engineers, Inc. | Date Collected: | 11/26/24      |
| Project:           | RFK Bridge           | Date Received:  | 11/27/24      |
| Client Sample ID:  | MW-12                | SDG No.:        | P5021         |
| Lab Sample ID:     | P5021-06             | Matrix:         | Water         |
| Analytical Method: | SW8270               | % Solid:        | 0             |
| Sample Wt/Vol:     | 980                  | Units:          | mL            |
| Soil Aliquot Vol:  |                      |                 | uL            |
| Extraction Type :  |                      | Decanted :      | N             |
| Injection Volume : |                      | GPC Factor :    | 1.0           |
| Prep Method :      | SW3510C              | Level :         | LOW           |
|                    |                      | Final Vol:      | 1000          |
|                    |                      | Test:           | SVOCMS Group1 |
|                    |                      | GPC Cleanup :   | N             |
|                    |                      | PH :            |               |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BF140712.D        | 1         | 11/27/24 08:40 | 12/03/24 15:50 | PB165296      |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|------------|-----------|-------|-----------|-----|------------|-------|
|------------|-----------|-------|-----------|-----|------------|-------|

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\BF120324\  
 Data File : BF140712.D  
 Acq On : 03 Dec 2024 15:50  
 Operator : RC/JU  
 Sample : P5021-06  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-12

Quant Time: Dec 03 16:19:53 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF112124.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Nov 21 15:23:48 2024  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-----------------------------|--------|------|----------|---------|-------|----------|
| -----                       |        |      |          |         |       |          |
| Internal Standards          |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 6.869  | 152  | 67828    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.151  | 136  | 251382   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 9.904  | 164  | 155575   | 20.000  | ng    | -0.01    |
| 64) Phenanthrene-d10        | 11.398 | 188  | 260123   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12            | 14.051 | 240  | 154428   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12            | 15.563 | 264  | 130761   | 20.000  | ng    | 0.02     |
| System Monitoring Compounds |        |      |          |         |       |          |
| 5) 2-Fluorophenol           | 5.504  | 112  | 239806   | 60.323  | ng    | 0.00     |
| 7) Phenol-d6                | 6.516  | 99   | 221548   | 42.155  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.440  | 82   | 459487   | 93.495  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.704 | 330  | 232321   | 139.626 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.228  | 172  | 923517   | 88.445  | ng    | 0.00     |
| 79) Terphenyl-d14           | 12.986 | 244  | 964218   | 97.224  | ng    | 0.00     |
| Target Compounds            |        |      |          |         |       |          |
| 27) 2,4-Dimethylphenol      | 7.822  | 122  | 96474    | 35.821  | ng    | Qvalue   |
| 31) Naphthalene             | 8.175  | 128  | 1843578  | 142.379 | ng    | # 90     |
| 37) 2-Methylnaphthalene     | 8.863  | 142  | 26000    | 3.161   | ng    | 99       |
| 38) 1-Methylnaphthalene     | 8.963  | 142  | 199942   | 24.802  | ng    | 100      |
| -----                       |        |      |          |         |       |          |

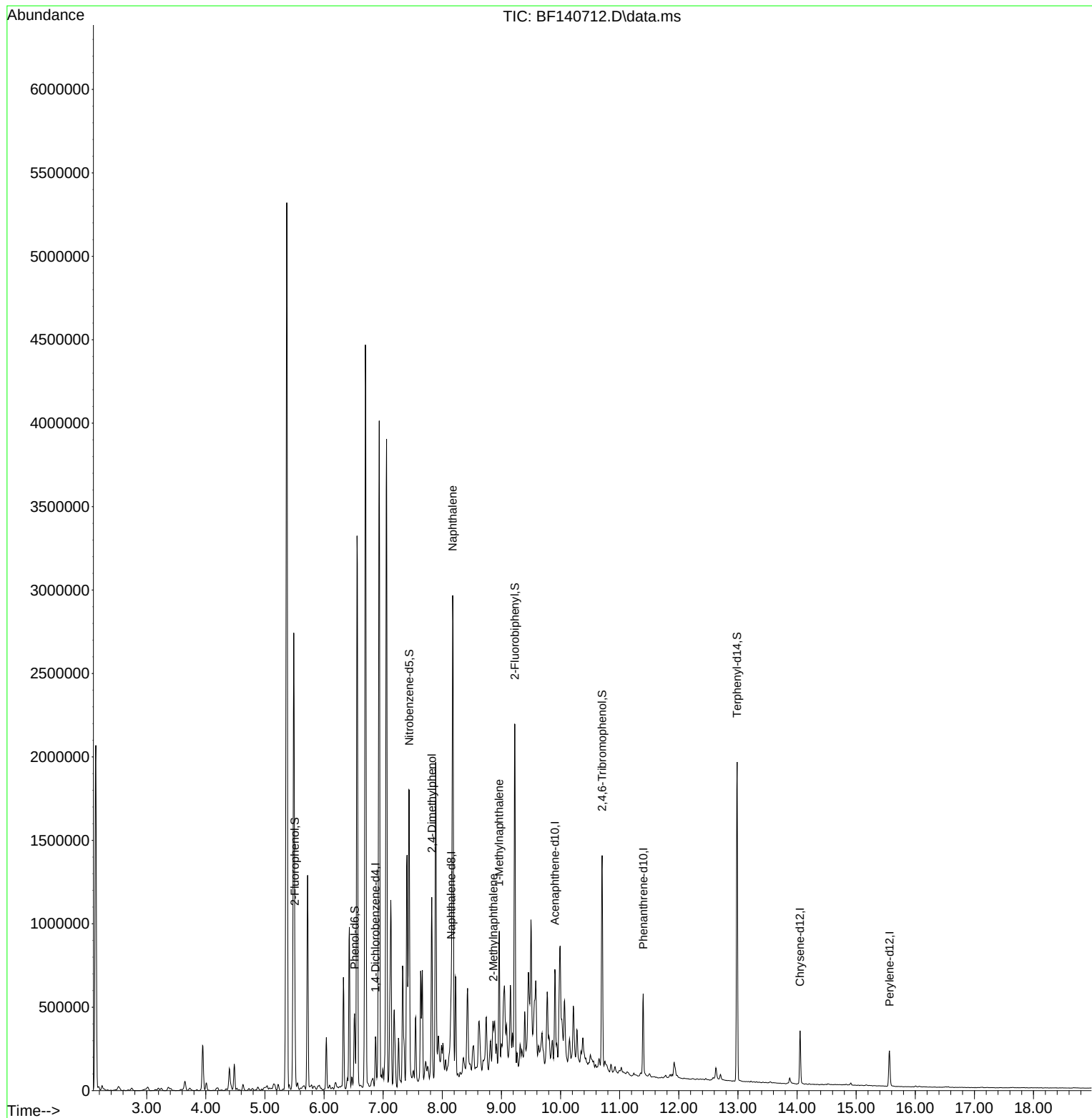
(#) = qualifier out of range (m) = manual integration (+) = signals summed

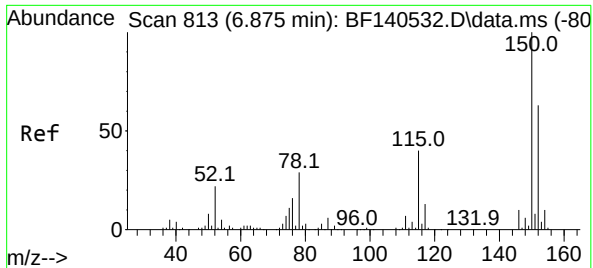


Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF120324\  
Data File : BF140712.D  
Acq On : 03 Dec 2024 15:50  
Operator : RC/JU  
Sample : P5021-06  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
MW-12

Quant Time: Dec 03 16:19:53 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF112124.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Nov 21 15:23:48 2024  
Response via : Initial Calibration

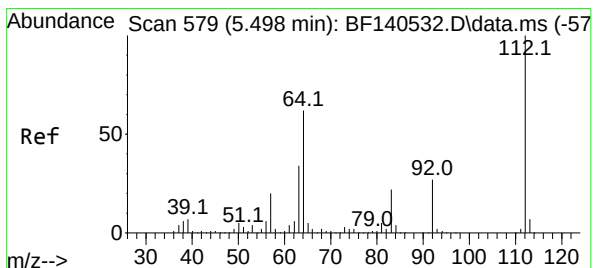
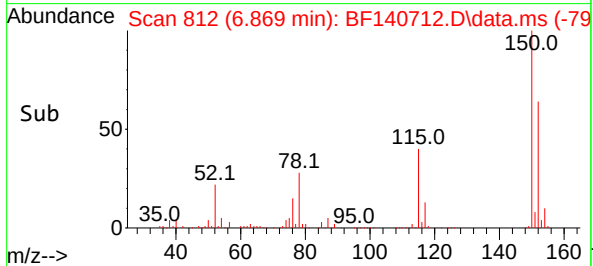
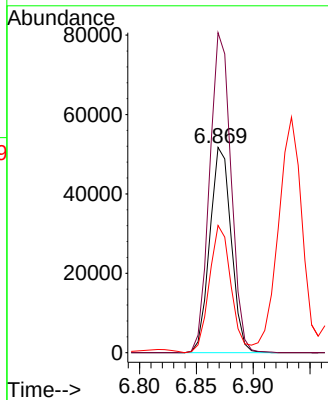
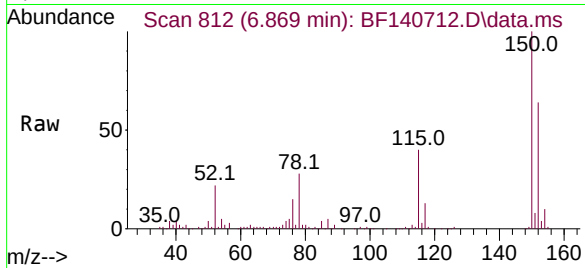




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.869 min Scan# 81  
Delta R.T. -0.006 min  
Lab File: BF140712.D  
Acq: 03 Dec 2024 15:50

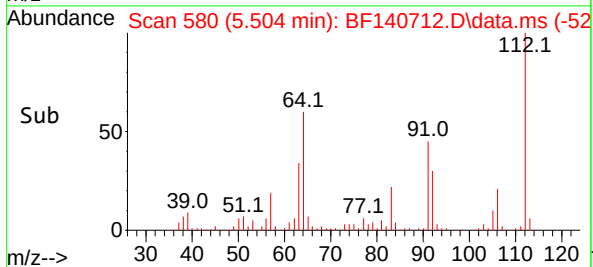
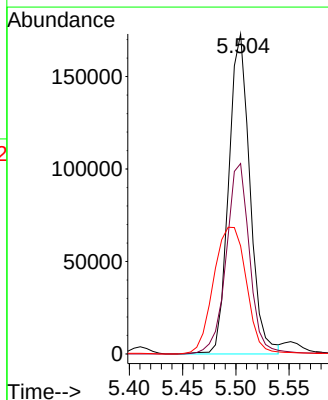
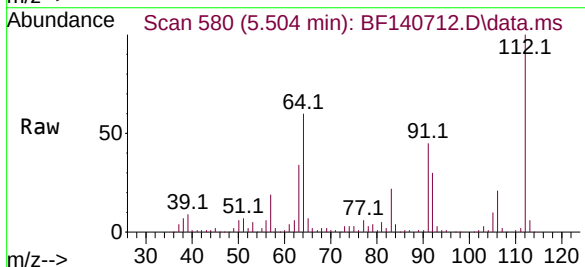
Instrument :  
BNA\_F  
ClientSampleId :  
MW-12

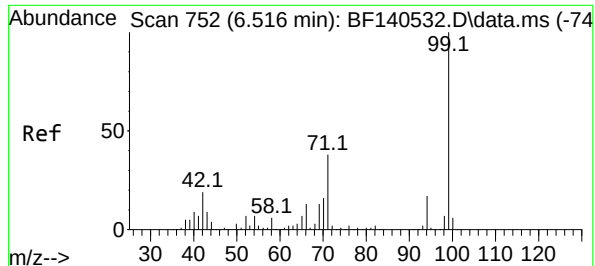
Tgt Ion:152 Resp: 67828  
Ion Ratio Lower Upper  
152 100  
150 155.9 128.5 192.7  
115 62.0 50.2 75.4



#5  
2-Fluorophenol  
Concen: 60.323 ng  
RT: 5.504 min Scan# 580  
Delta R.T. 0.006 min  
Lab File: BF140712.D  
Acq: 03 Dec 2024 15:50

Tgt Ion:112 Resp: 239806  
Ion Ratio Lower Upper  
112 100  
64 59.5 49.2 73.8  
63 33.7 27.0 40.4

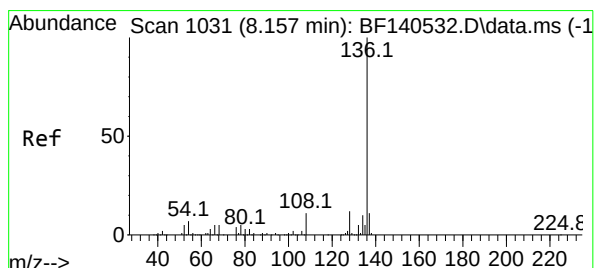
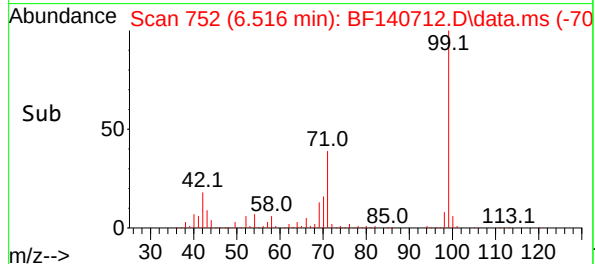
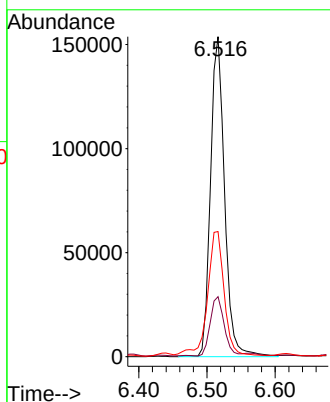
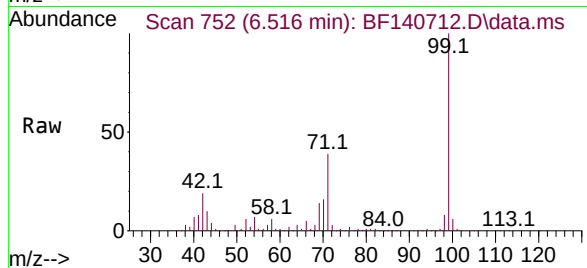




#7  
Phenol-d6  
Concen: 42.155 ng  
RT: 6.516 min Scan# 71  
Delta R.T. 0.000 min  
Lab File: BF140712.D  
Acq: 03 Dec 2024 15:50

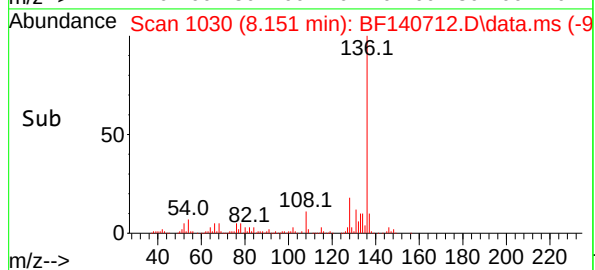
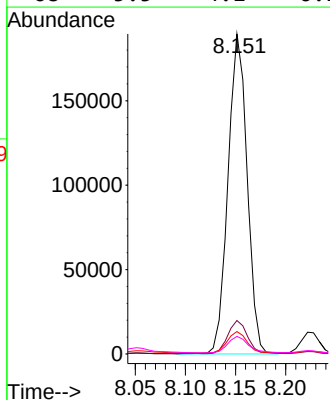
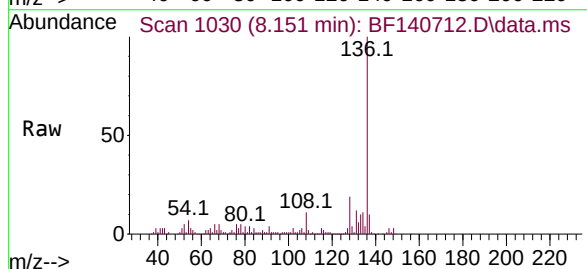
Instrument :  
BNA\_F  
ClientSampleId :  
MW-12

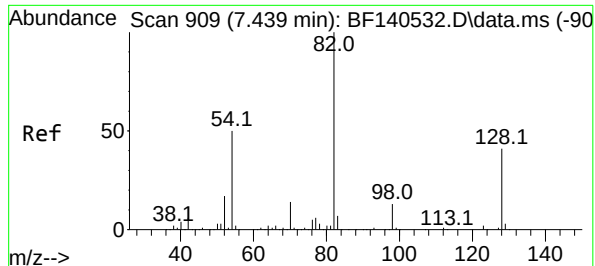
Tgt Ion: 99 Resp: 221548  
Ion Ratio Lower Upper  
99 100  
42 18.8 15.4 23.0  
71 39.1 30.6 46.0



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.151 min Scan# 1030  
Delta R.T. -0.006 min  
Lab File: BF140712.D  
Acq: 03 Dec 2024 15:50

Tgt Ion: 136 Resp: 251382  
Ion Ratio Lower Upper  
136 100  
137 10.5 8.6 13.0  
54 7.0 5.8 8.8  
68 5.5 4.1 6.1





#23

Nitrobenzene-d5

Concen: 93.495 ng

RT: 7.440 min Scan# 909

Delta R.T. 0.000 min

Lab File: BF140712.D

Acq: 03 Dec 2024 15:50

Instrument :

BNA\_F

ClientSampleId :

MW-12

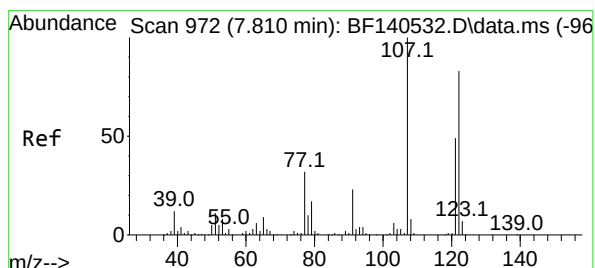
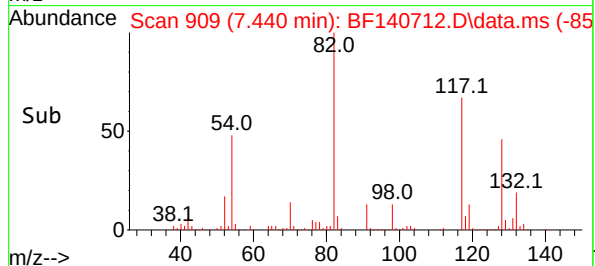
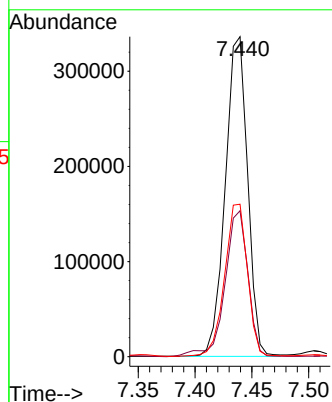
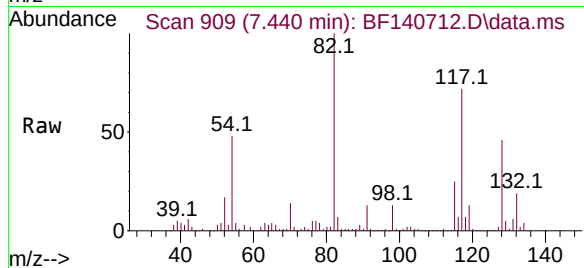
Tgt Ion: 82 Resp: 459487

Ion Ratio Lower Upper

82 100

128 45.6 33.0 49.4

54 47.6 39.5 59.3



#27

2,4-Dimethylphenol

Concen: 35.821 ng

RT: 7.822 min Scan# 974

Delta R.T. 0.012 min

Lab File: BF140712.D

Acq: 03 Dec 2024 15:50

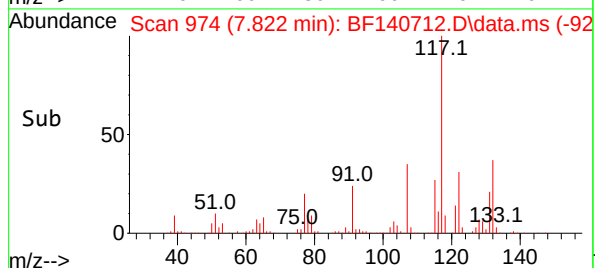
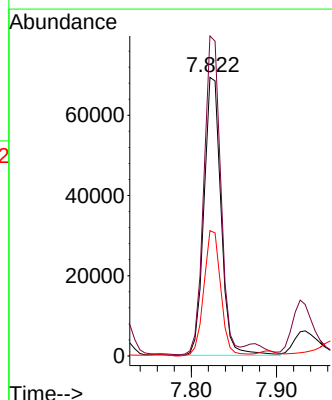
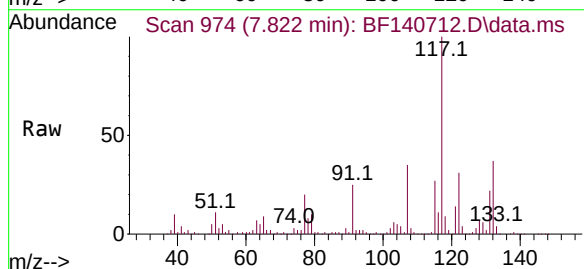
Tgt Ion:122 Resp: 96474

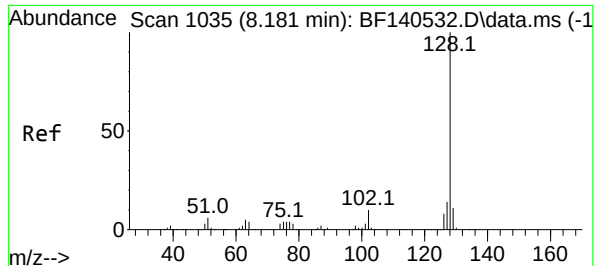
Ion Ratio Lower Upper

122 100

107 114.9 96.8 145.2

121 45.0 47.4 71.0#





#31

Naphthalene

Concen: 142.379 ng

RT: 8.175 min Scan# 1034

Delta R.T. -0.006 min

Lab File: BF140712.D

Acq: 03 Dec 2024 15:50

Instrument :

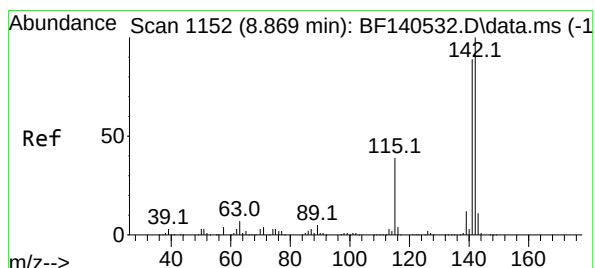
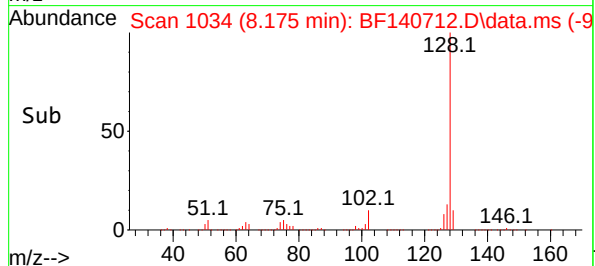
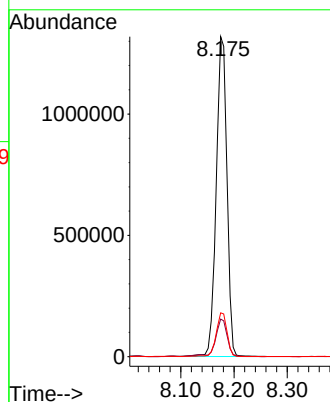
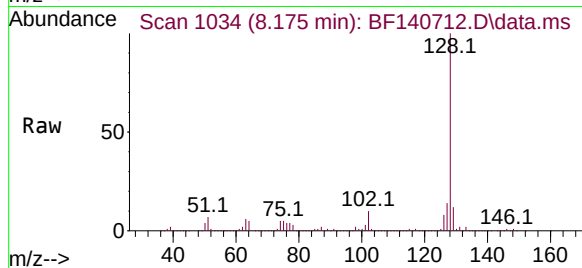
BNA\_F

ClientSampleId :

MW-12

Tgt Ion:128 Resp: 1843578

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 129 | 11.8  | 8.6   | 13.0  |
| 127 | 13.7  | 10.8  | 16.2  |



#37

2-Methylnaphthalene

Concen: 3.161 ng

RT: 8.863 min Scan# 1151

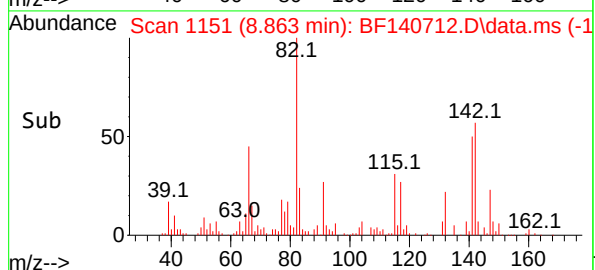
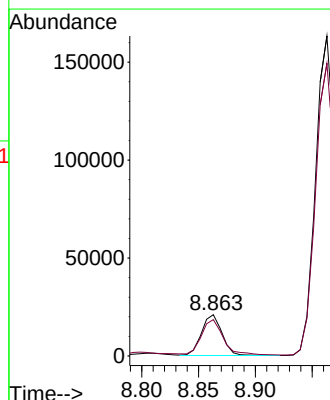
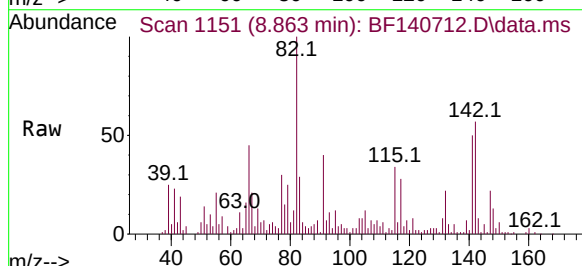
Delta R.T. -0.006 min

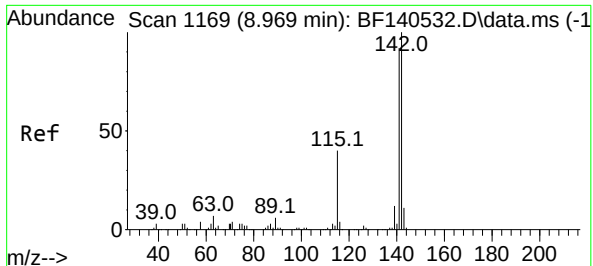
Lab File: BF140712.D

Acq: 03 Dec 2024 15:50

Tgt Ion:142 Resp: 26000

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 142 | 100   |       |       |
| 141 | 88.0  | 71.0  | 106.6 |





#38

1-Methylnaphthalene

Concen: 24.802 ng

RT: 8.963 min Scan# 1169

Delta R.T. -0.006 min

Lab File: BF140712.D

Acq: 03 Dec 2024 15:50

Instrument :

BNA\_F

ClientSampleId :

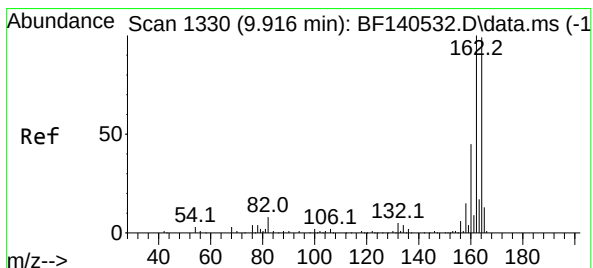
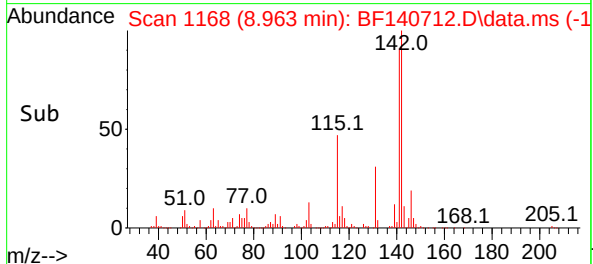
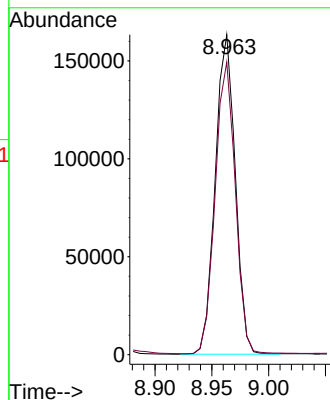
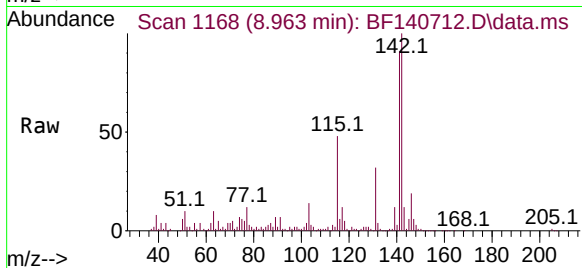
MW-12

Tgt Ion:142 Resp: 199942

Ion Ratio Lower Upper

142 100

141 91.5 73.3 109.9



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.904 min Scan# 1328

Delta R.T. -0.012 min

Lab File: BF140712.D

Acq: 03 Dec 2024 15:50

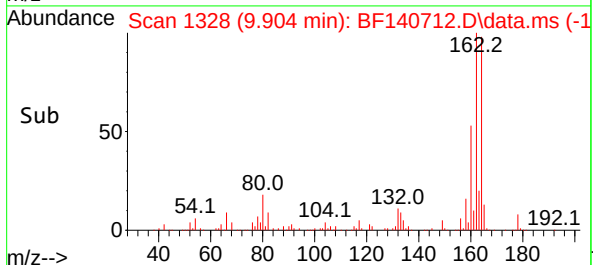
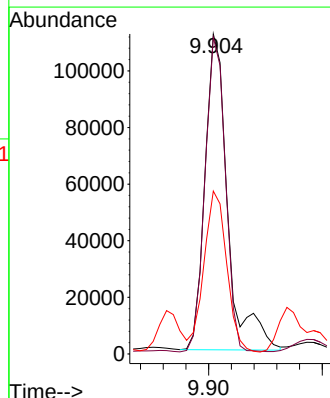
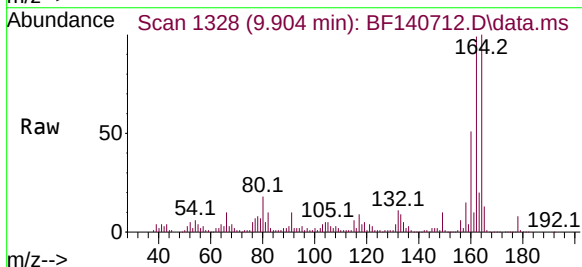
Tgt Ion:164 Resp: 155575

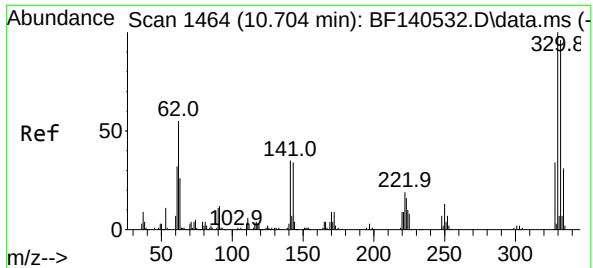
Ion Ratio Lower Upper

164 100

162 99.0 80.6 120.8

160 50.9 36.2 54.4





#42

2,4,6-Tribromophenol

Concen: 139.626 ng

RT: 10.704 min Scan# 1464

Delta R.T. 0.000 min

Lab File: BF140712.D

Acq: 03 Dec 2024 15:50

Instrument :

BNA\_F

ClientSampleId :

MW-12

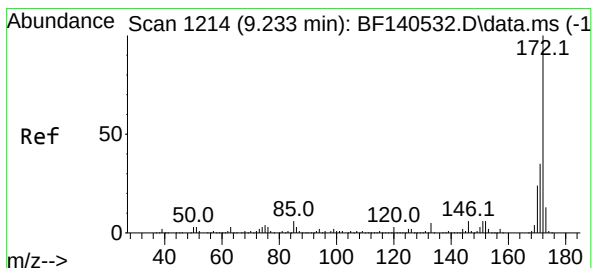
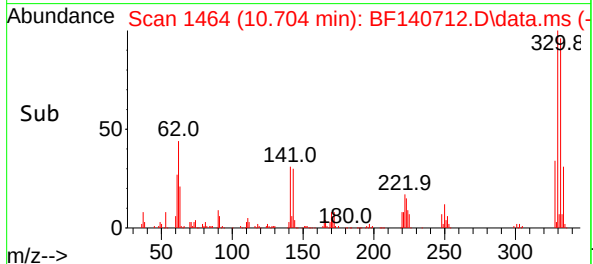
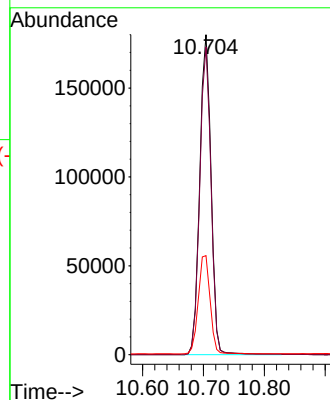
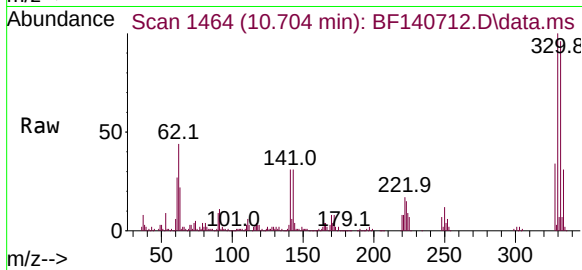
Tgt Ion:330 Resp: 232321

Ion Ratio Lower Upper

330 100

332 95.6 76.9 115.3

141 32.2 26.7 40.1



#45

2-Fluorobiphenyl

Concen: 88.445 ng

RT: 9.228 min Scan# 1213

Delta R.T. -0.006 min

Lab File: BF140712.D

Acq: 03 Dec 2024 15:50

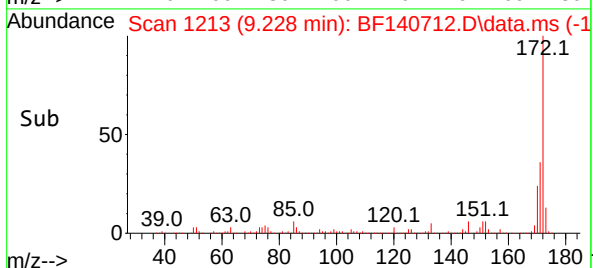
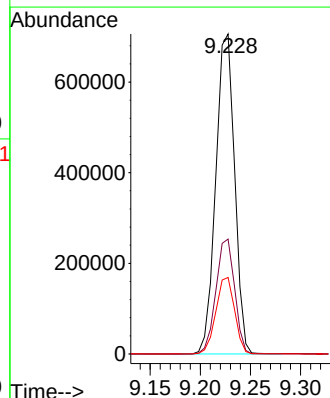
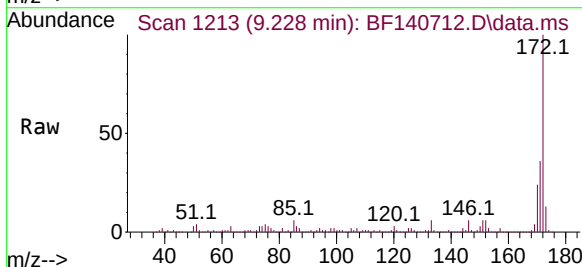
Tgt Ion:172 Resp: 923517

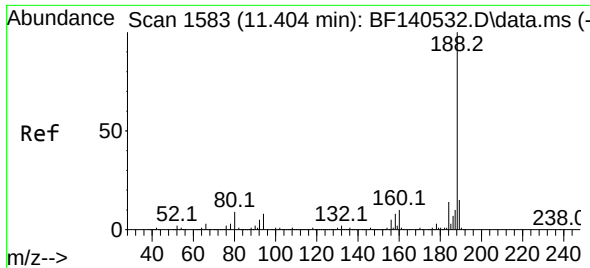
Ion Ratio Lower Upper

172 100

171 35.9 28.4 42.6

170 23.9 19.0 28.6

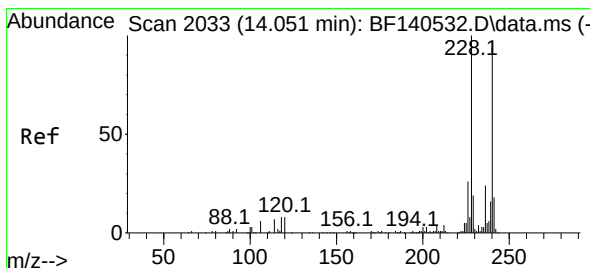
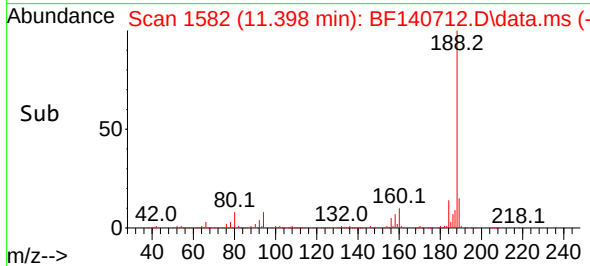
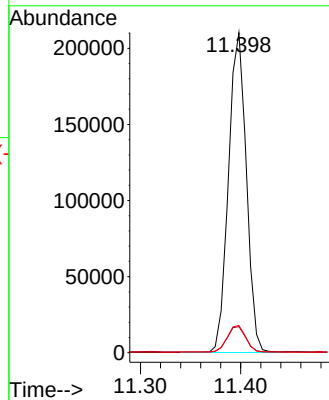
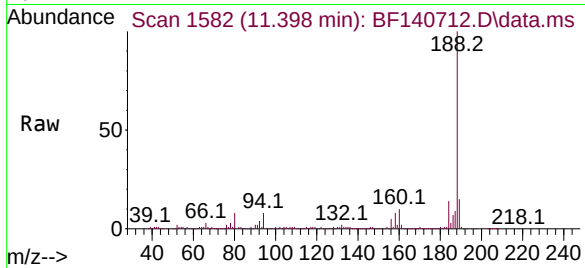




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.398 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF140712.D  
Acq: 03 Dec 2024 15:50

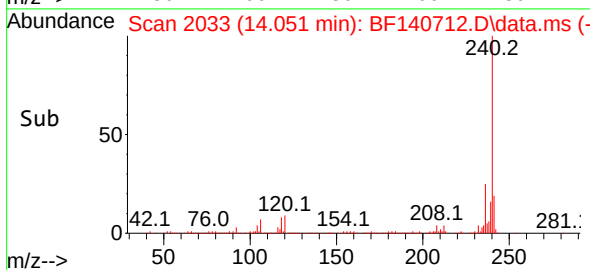
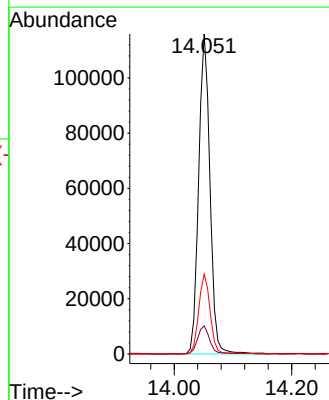
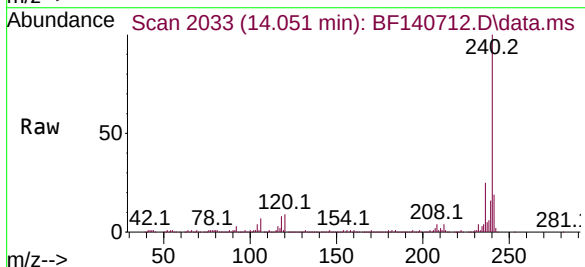
Instrument :  
BNA\_F  
ClientSampleId :  
MW-12

Tgt Ion:188 Resp: 260123  
Ion Ratio Lower Upper  
188 100  
94 8.2 6.4 9.6  
80 8.5 6.9 10.3

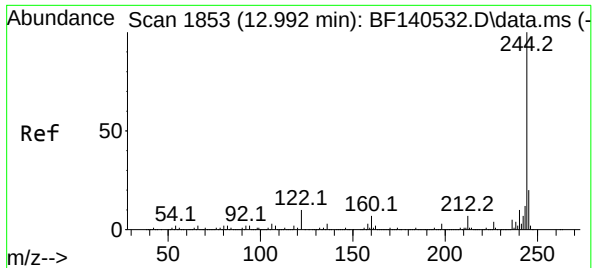


#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.051 min Scan# 2033  
Delta R.T. 0.000 min  
Lab File: BF140712.D  
Acq: 03 Dec 2024 15:50

Tgt Ion:240 Resp: 154428  
Ion Ratio Lower Upper  
240 100  
120 8.8 7.3 10.9  
236 25.0 20.6 31.0







#79

Terphenyl-d14

Concen: 97.224 ng

RT: 12.986 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF140712.D

Acq: 03 Dec 2024 15:50

Instrument :

BNA\_F

ClientSampleId :

MW-12

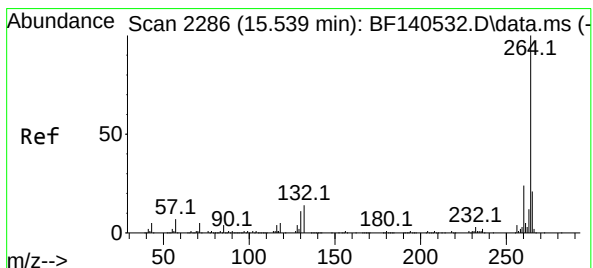
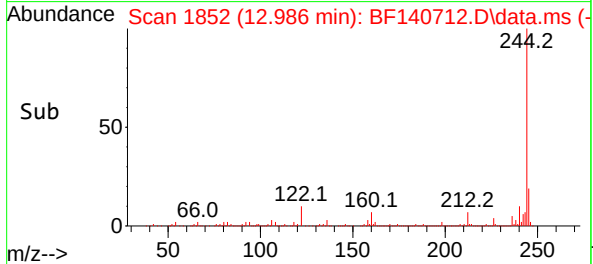
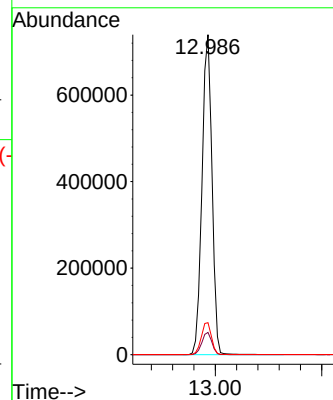
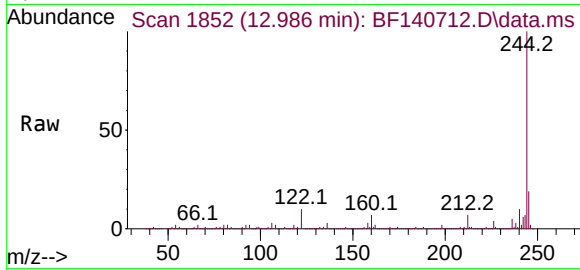
Tgt Ion:244 Resp: 964218

Ion Ratio Lower Upper

244 100

212 6.9 5.8 8.8

122 10.0 8.0 12.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.563 min Scan# 2290

Delta R.T. 0.024 min

Lab File: BF140712.D

Acq: 03 Dec 2024 15:50

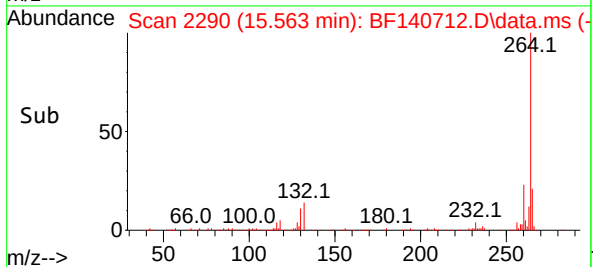
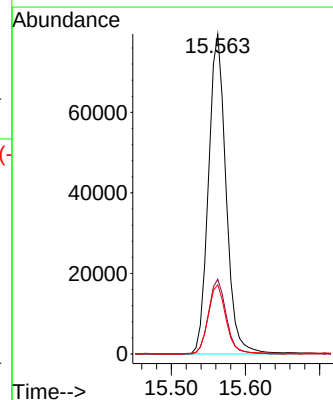
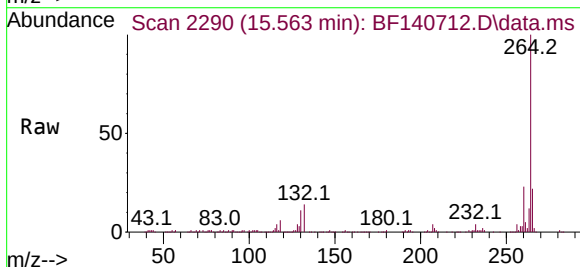
Tgt Ion:264 Resp: 130761

Ion Ratio Lower Upper

264 100

260 23.3 19.0 28.6

265 21.6 16.6 25.0





# CALIBRATION SUMMARY

6C

## SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: LIRO01  
 Lab Code: CHEM Case No.: P5021 SAS No.: P5021 SDG No.: P5021  
 Instrument ID: BNA\_F Calibration Date(s): 11/21/2024 11/21/2024  
 Calibration Time(s): 11:13 14:18

| LAB FILE ID:             |        | RRF2.5 = BF140528.D |        | RRF005 = BF140529.D |        | RRF010 = BF140530.D |       |       |
|--------------------------|--------|---------------------|--------|---------------------|--------|---------------------|-------|-------|
|                          |        | RRF020 = BF140531.D |        | RRF040 = BF140532.D |        | RRF050 = BF140533.D |       |       |
| COMPOUND                 | RRF2.5 | RRF005              | RRF010 | RRF020              | RRF040 | RRF050              | RRF   | % RSD |
| 2-Fluorophenol           |        | 1.261               | 1.233  | 1.202               | 1.174  | 1.117               | 1.172 | 5.4   |
| Phenol-d6                |        | 1.729               | 1.617  | 1.559               | 1.602  | 1.465               | 1.550 | 7.1   |
| Nitrobenzene-d5          |        | 0.409               | 0.403  | 0.395               | 0.392  | 0.377               | 0.391 | 3.2   |
| 2-Fluorobiphenyl         |        | 1.550               | 1.402  | 1.423               | 1.291  | 1.255               | 1.342 | 8.9   |
| Acenaphthylene           |        | 1.890               | 1.765  | 1.808               | 1.662  | 1.628               | 1.710 | 6.6   |
| Acenaphthene             |        | 1.182               | 1.110  | 1.134               | 1.063  | 1.052               | 1.086 | 5.3   |
| Fluorene                 |        | 1.509               | 1.409  | 1.399               | 1.295  | 1.263               | 1.330 | 8.4   |
| 2,4,6-Tribromophenol     |        | 0.222               | 0.209  | 0.220               | 0.216  | 0.210               | 0.214 | 2.5   |
| Phenanthrene             |        | 1.074               | 1.020  | 0.970               | 0.944  | 0.925               | 0.961 | 6.9   |
| Anthracene               |        | 1.038               | 0.994  | 0.958               | 0.925  | 0.905               | 0.940 | 6.5   |
| Fluoranthene             |        | 1.186               | 1.111  | 1.114               | 1.014  | 0.999               | 1.044 | 9.1   |
| Pyrene                   |        | 1.905               | 1.801  | 1.897               | 1.853  | 1.791               | 1.849 | 2.8   |
| Terphenyl-d14            |        | 1.351               | 1.254  | 1.308               | 1.283  | 1.228               | 1.284 | 3.3   |
| Benzo (a) anthracene     |        | 1.409               | 1.319  | 1.379               | 1.286  | 1.295               | 1.324 | 4.3   |
| Chrysene                 |        | 1.354               | 1.263  | 1.218               | 1.201  | 1.137               | 1.211 | 6.5   |
| Benzo (b) fluoranthene   |        | 1.347               | 1.256  | 1.380               | 1.186  | 1.248               | 1.256 | 6.4   |
| Benzo (k) fluoranthene   |        | 1.243               | 1.236  | 1.059               | 1.101  | 1.022               | 1.099 | 9.3   |
| Benzo (a) pyrene         |        | 1.062               | 1.050  | 1.063               | 1.007  | 0.998               | 1.021 | 3.8   |
| Indeno (1,2,3-cd) pyrene |        | 1.209               | 1.283  | 1.299               | 1.304  | 1.306               | 1.303 | 4.5   |
| Dibenzo (a,h) anthracene |        | 1.015               | 1.038  | 1.063               | 1.068  | 1.075               | 1.067 | 3.9   |
| Benzo (g,h,i) perylene   |        | 1.033               | 1.090  | 1.078               | 1.085  | 1.094               | 1.089 | 3.5   |

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-BF112124.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 Last Update : Thu Nov 21 15:23:48 2024  
 Response Via : Initial Calibration

## Calibration Files

2.5 =BF140528.D 5 =BF140529.D 10 =BF140530.D 20 =BF140531.D 40 =BF140532.D 50 =BF140533.D 60 =BF140534.D 80 =BF140535.D

|       | Compound              | 2.5            | 5     | 10    | 20    | 40    | 50    | 60    | 80    | Avg   | %RSD  |
|-------|-----------------------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1) I  | 1,4-Dichlorobenzen... | -----ISTD----- |       |       |       |       |       |       |       |       |       |
| 2)    | 1,4-Dioxane           | 0.501          | 0.502 | 0.576 | 0.489 | 0.452 | 0.454 | 0.477 | 0.493 |       | 8.46  |
| 3)    | Pyridine              | 0.981          | 1.019 | 1.121 | 1.192 | 1.062 | 1.087 | 1.128 | 1.084 |       | 6.54  |
| 4)    | n-Nitrosodimet...     | 0.616          | 0.611 | 0.661 | 0.648 | 0.632 | 0.632 | 0.660 | 0.637 |       | 3.15  |
| 5) S  | 2-Fluorophenol        | 1.261          | 1.233 | 1.202 | 1.174 | 1.117 | 1.127 | 1.091 | 1.172 |       | 5.40  |
| 6)    | Aniline               | 1.159          | 1.195 | 1.133 | 1.251 | 1.042 | 1.020 | 0.835 | 1.091 |       | 12.73 |
| 7) S  | Phenol-d6             | 1.729          | 1.617 | 1.559 | 1.602 | 1.465 | 1.470 | 1.407 | 1.550 |       | 7.14  |
| 8)    | 2-Chlorophenol        | 1.385          | 1.328 | 1.278 | 1.283 | 1.201 | 1.208 | 1.145 | 1.261 |       | 6.51  |
| 9)    | Benzaldehyde          |                | 1.007 | 0.970 | 0.738 | 0.752 | 0.635 |       | 0.820 |       | 19.55 |
| 10) C | Phenol                | 1.723          | 1.648 | 1.620 | 1.667 | 1.514 | 1.490 | 1.417 | 1.583 |       | 6.98  |
| 11)   | bis(2-Chloroet...     | 1.292          | 1.242 | 1.214 | 1.246 | 1.146 | 1.200 | 1.138 | 1.211 |       | 4.56  |
| 12)   | 1,3-Dichlorobe...     | 1.600          | 1.493 | 1.433 | 1.399 | 1.345 | 1.361 | 1.288 | 1.417 |       | 7.31  |
| 13) C | 1,4-Dichlorobe...     | 1.613          | 1.501 | 1.456 | 1.428 | 1.358 | 1.372 | 1.314 | 1.435 |       | 7.04  |
| 14)   | 1,2-Dichlorobe...     | 1.503          | 1.434 | 1.375 | 1.355 | 1.268 | 1.266 | 1.210 | 1.344 |       | 7.71  |
| 15)   | Benzyl Alcohol        | 1.234          | 1.174 | 1.161 | 1.224 | 1.113 | 1.090 | 1.048 | 1.149 |       | 5.98  |
| 16)   | 2,2'-oxybis(1-...     | 1.650          | 1.480 | 1.434 | 1.463 | 1.335 | 1.377 | 1.276 | 1.431 |       | 8.43  |
| 17)   | 2-Methylphenol        | 1.121          | 1.034 | 1.033 | 1.042 | 0.956 | 0.959 | 0.922 | 1.009 |       | 6.74  |
| 18)   | Hexachloroethane      | 0.598          | 0.545 | 0.549 | 0.537 | 0.514 | 0.510 | 0.499 | 0.536 |       | 6.17  |
| 19) P | n-Nitroso-di-n...     | 0.972          | 1.002 | 0.949 | 0.916 | 0.946 | 0.856 | 0.857 | 0.829 | 0.916 | 6.82  |
| 20)   | 3+4-Methylphenols     | 1.495          | 1.362 | 1.305 | 1.347 | 1.211 | 1.209 | 1.154 | 1.298 |       | 8.98  |
| 21) I | Naphthalene-d8        | -----ISTD----- |       |       |       |       |       |       |       |       |       |
| 22)   | Acetophenone          | 0.536          | 0.511 | 0.494 | 0.481 | 0.463 | 0.460 | 0.468 | 0.488 |       | 5.75  |
| 23) S | Nitrobenzene-d5       | 0.409          | 0.403 | 0.395 | 0.392 | 0.377 | 0.377 | 0.383 | 0.391 |       | 3.21  |
| 24)   | Nitrobenzene          | 0.439          | 0.409 | 0.409 | 0.401 | 0.388 | 0.391 | 0.392 | 0.404 |       | 4.35  |
| 25)   | Isophorone            | 0.694          | 0.654 | 0.657 | 0.662 | 0.629 | 0.634 | 0.635 | 0.652 |       | 3.44  |
| 26) C | 2-Nitrophenol         | 0.178          | 0.172 | 0.185 | 0.180 | 0.178 | 0.180 | 0.180 | 0.179 |       | 2.17  |
| 27)   | 2,4-Dimethylph...     | 0.221          | 0.214 | 0.213 | 0.224 | 0.204 | 0.207 | 0.218 | 0.214 |       | 3.40  |
| 28)   | bis(2-Chloroet...     | 0.428          | 0.408 | 0.403 | 0.397 | 0.378 | 0.384 | 0.383 | 0.397 |       | 4.37  |
| 29) C | 2,4-Dichloroph...     | 0.301          | 0.291 | 0.290 | 0.282 | 0.277 | 0.274 | 0.271 | 0.284 |       | 3.82  |
| 30)   | 1,2,4-Trichlor...     | 0.342          | 0.338 | 0.332 | 0.317 | 0.317 | 0.312 | 0.312 | 0.324 |       | 3.91  |
| 31)   | Naphthalene           | 1.116          | 1.075 | 1.062 | 1.013 | 0.993 | 0.983 | 0.970 | 1.030 |       | 5.32  |
| 32)   | Benzoic acid          |                | 0.101 | 0.126 | 0.177 | 0.185 | 0.192 | 0.202 | 0.164 |       | 24.72 |
| 33)   | 4-Chloroaniline       | 0.308          | 0.318 | 0.309 | 0.325 | 0.303 | 0.308 | 0.289 | 0.308 |       | 3.71  |
| 34) C | Hexachlorobuta...     | 0.227          | 0.225 | 0.219 | 0.212 | 0.209 | 0.207 | 0.204 | 0.215 |       | 4.15  |
| 35)   | Caprolactam           | 0.091          | 0.091 | 0.091 | 0.090 | 0.085 | 0.085 | 0.083 | 0.088 |       | 3.99  |
| 36) C | 4-Chloro-3-met...     | 0.348          | 0.318 | 0.317 | 0.327 | 0.307 | 0.307 | 0.301 | 0.318 |       | 4.95  |
| 37)   | 2-Methylnaphth...     | 0.724          | 0.680 | 0.669 | 0.650 | 0.623 | 0.620 | 0.615 | 0.654 |       | 6.09  |
| 38)   | 1-Methylnaphth...     | 0.707          | 0.665 | 0.659 | 0.638 | 0.611 | 0.608 | 0.601 | 0.641 |       | 5.98  |

Method Path : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\  
 Method File : 8270-BF112124.M

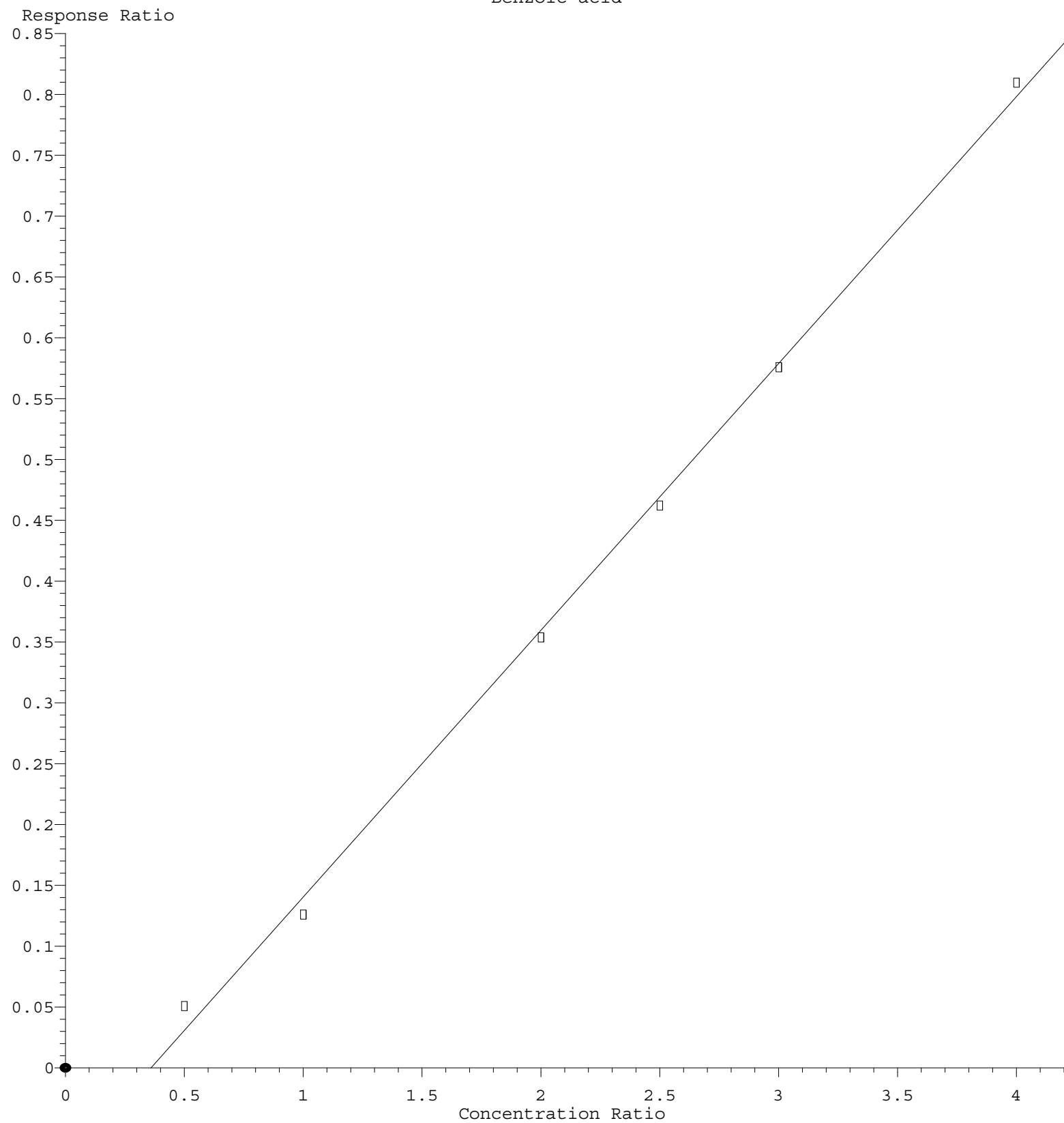
|       |                    |                |       |       |       |       |       |       |       |       |
|-------|--------------------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|
| 39) I | Acenaphthene-d10   | -----ISTD----- |       |       |       |       |       |       |       |       |
| 40)   | 1,2,4,5-Tetrac...  | 0.635          | 0.604 | 0.606 | 0.563 | 0.561 | 0.565 | 0.565 | 0.586 | 5.02  |
| 41) P | Hexachlorocycl...  |                | 0.055 | 0.090 | 0.114 | 0.121 | 0.129 | 0.133 | 0.107 | 27.80 |
| 42) S | 2,4,6-Tribromo...  | 0.222          | 0.209 | 0.220 | 0.216 | 0.210 | 0.210 | 0.211 | 0.214 | 2.52  |
| 43) C | 2,4,6-Trichlor...  | 0.384          | 0.358 | 0.375 | 0.366 | 0.364 | 0.360 | 0.365 | 0.367 | 2.45  |
| 44)   | 2,4,5-Trichlor...  | 0.402          | 0.396 | 0.410 | 0.404 | 0.390 | 0.397 | 0.392 | 0.399 | 1.80  |
| 45) S | 2-Fluorobiphenyl   | 1.550          | 1.402 | 1.423 | 1.291 | 1.255 | 1.240 | 1.235 | 1.342 | 8.90  |
| 46)   | 1,1'-Biphenyl      | 1.666          | 1.530 | 1.563 | 1.447 | 1.427 | 1.418 | 1.403 | 1.493 | 6.50  |
| 47)   | 2-Chloronaphth...  | 1.251          | 1.145 | 1.162 | 1.106 | 1.082 | 1.084 | 1.091 | 1.131 | 5.39  |
| 48)   | 2-Nitroaniline     | 0.367          | 0.351 | 0.379 | 0.367 | 0.363 | 0.357 | 0.359 | 0.363 | 2.50  |
| 49)   | Acenaphthylene     | 1.890          | 1.765 | 1.808 | 1.662 | 1.628 | 1.623 | 1.590 | 1.710 | 6.58  |
| 50)   | Dimethylphthalate  | 1.455          | 1.329 | 1.346 | 1.299 | 1.267 | 1.270 | 1.254 | 1.317 | 5.28  |
| 51)   | 2,6-Dinitrotol...  | 0.314          | 0.299 | 0.307 | 0.301 | 0.291 | 0.293 | 0.286 | 0.299 | 3.24  |
| 52) C | Acenaphthene       | 1.182          | 1.110 | 1.134 | 1.063 | 1.052 | 1.037 | 1.026 | 1.086 | 5.29  |
| 53)   | 3-Nitroaniline     | 0.307          | 0.297 | 0.309 | 0.300 | 0.289 | 0.281 | 0.262 | 0.292 | 5.71  |
| 54) P | 2,4-Dinitrophenol  |                | 0.057 | 0.089 | 0.140 | 0.145 | 0.150 | 0.154 | 0.122 | 32.70 |
| 55)   | Dibenzofuran       | 1.898          | 1.739 | 1.739 | 1.622 | 1.559 | 1.531 | 1.509 | 1.657 | 8.53  |
| 56) P | 4-Nitrophenol      |                | 0.160 | 0.195 | 0.207 | 0.212 | 0.214 | 0.208 | 0.199 | 10.31 |
| 57)   | 2,4-Dinitrotol...  | 0.403          | 0.403 | 0.416 | 0.404 | 0.386 | 0.389 | 0.379 | 0.397 | 3.24  |
| 58)   | Fluorene           | 1.509          | 1.409 | 1.399 | 1.295 | 1.263 | 1.224 | 1.210 | 1.330 | 8.37  |
| 59)   | 2,3,4,6-Tetrac...  | 0.307          | 0.296 | 0.308 | 0.312 | 0.305 | 0.305 | 0.312 | 0.306 | 1.72  |
| 60)   | Diethylphthalate   | 1.495          | 1.375 | 1.393 | 1.311 | 1.292 | 1.268 | 1.234 | 1.338 | 6.66  |
| 61)   | 4-Chlorophenyl...  | 0.739          | 0.682 | 0.685 | 0.639 | 0.619 | 0.605 | 0.599 | 0.653 | 7.90  |
| 62)   | 4-Nitroaniline     | 0.307          | 0.301 | 0.315 | 0.312 | 0.310 | 0.309 | 0.291 | 0.306 | 2.67  |
| 63)   | Azobenzene         | 1.406          | 1.320 | 1.320 | 1.235 | 1.205 | 1.206 | 1.179 | 1.267 | 6.55  |
| 64) I | Phenanthrene-d10   | -----ISTD----- |       |       |       |       |       |       |       |       |
| 65)   | 4,6-Dinitro-2-...  |                | 0.073 | 0.090 | 0.110 | 0.110 | 0.117 | 0.113 | 0.102 | 16.74 |
| 66) c | n-Nitrosodiphe...  | 0.632          | 0.618 | 0.597 | 0.578 | 0.577 | 0.580 | 0.558 | 0.591 | 4.39  |
| 67)   | 4-Bromophenyl-...  | 0.218          | 0.215 | 0.206 | 0.200 | 0.200 | 0.205 | 0.198 | 0.206 | 3.79  |
| 68)   | Hexachlorobenzene  | 0.257          | 0.240 | 0.239 | 0.233 | 0.232 | 0.236 | 0.232 | 0.238 | 3.65  |
| 69)   | Atrazine           | 0.181          | 0.171 | 0.131 | 0.140 | 0.147 | 0.196 | 0.198 | 0.166 | 16.37 |
| 70) C | Pentachlorophenol  |                | 0.071 | 0.090 | 0.116 | 0.115 | 0.121 | 0.118 | 0.105 | 19.24 |
| 71)   | Phenanthrene       | 1.074          | 1.020 | 0.970 | 0.944 | 0.925 | 0.916 | 0.881 | 0.961 | 6.87  |
| 72)   | Anthracene         | 1.038          | 0.994 | 0.958 | 0.925 | 0.905 | 0.904 | 0.859 | 0.940 | 6.47  |
| 73)   | Carbazole          | 1.004          | 0.949 | 0.930 | 0.889 | 0.876 | 0.862 | 0.821 | 0.905 | 6.75  |
| 74)   | Di-n-butylphth...  | 1.144          | 1.075 | 1.074 | 1.023 | 1.021 | 1.007 | 0.967 | 1.044 | 5.56  |
| 75) C | Fluoranthene       | 1.186          | 1.111 | 1.114 | 1.014 | 0.999 | 0.962 | 0.921 | 1.044 | 9.11  |
| 76) I | Chrysene-d12       | -----ISTD----- |       |       |       |       |       |       |       |       |
| 77)   | Benzidine          | 0.268          | 0.422 | 0.296 | 0.575 | 0.734 | 1.025 | 0.751 | 0.581 | 47.31 |
| 78)   | Pyrene             | 1.905          | 1.801 | 1.897 | 1.853 | 1.791 | 1.898 | 1.799 | 1.849 | 2.79  |
| 79) S | Terphenyl-d14      | 1.351          | 1.254 | 1.308 | 1.283 | 1.228 | 1.313 | 1.254 | 1.284 | 3.31  |
| 80)   | Butylbenzylphth... | 0.676          | 0.644 | 0.694 | 0.679 | 0.655 | 0.674 | 0.641 | 0.666 | 2.96  |
| 81)   | Benzo(a)anthra...  | 1.409          | 1.319 | 1.379 | 1.286 | 1.295 | 1.338 | 1.242 | 1.324 | 4.30  |
| 82)   | 3,3'-Dichlorob...  | 0.375          | 0.383 | 0.393 | 0.413 | 0.406 | 0.419 | 0.394 | 0.397 | 4.03  |
| 83)   | Chrysene           | 1.354          | 1.263 | 1.218 | 1.201 | 1.137 | 1.173 | 1.128 | 1.211 | 6.50  |
| 84)   | Bis(2-ethylhex...  | 0.904          | 0.828 | 0.862 | 0.833 | 0.824 | 0.841 | 0.797 | 0.841 | 4.00  |
| 85) c | Di-n-octyl pht...  | 1.198          | 1.133 | 1.147 | 1.132 | 1.147 | 1.169 | 1.121 | 1.150 | 2.29  |

Method Path : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\  
Method File : 8270-BF112124.M

|       |                   |                                                 |      |
|-------|-------------------|-------------------------------------------------|------|
| 86) I | Perylene-d12      | -----ISTD-----                                  |      |
| 87)   | Indeno(1,2,3-c... | 1.209 1.283 1.299 1.304 1.306 1.409 1.313 1.303 | 4.51 |
| 88)   | Benzo(b)fluora... | 1.347 1.256 1.380 1.186 1.248 1.207 1.168 1.256 | 6.41 |
| 89)   | Benzo(k)fluora... | 1.243 1.236 1.059 1.101 1.022 1.055 0.980 1.099 | 9.34 |
| 90) C | Benzo(a)pyrene    | 1.062 1.050 1.063 1.007 0.998 1.014 0.957 1.021 | 3.81 |
| 91)   | Dibenzo(a,h)an... | 1.015 1.038 1.063 1.068 1.075 1.149 1.064 1.067 | 3.90 |
| 92)   | Benzo(g,h,i)pe... | 1.033 1.090 1.078 1.085 1.094 1.161 1.083 1.089 | 3.48 |

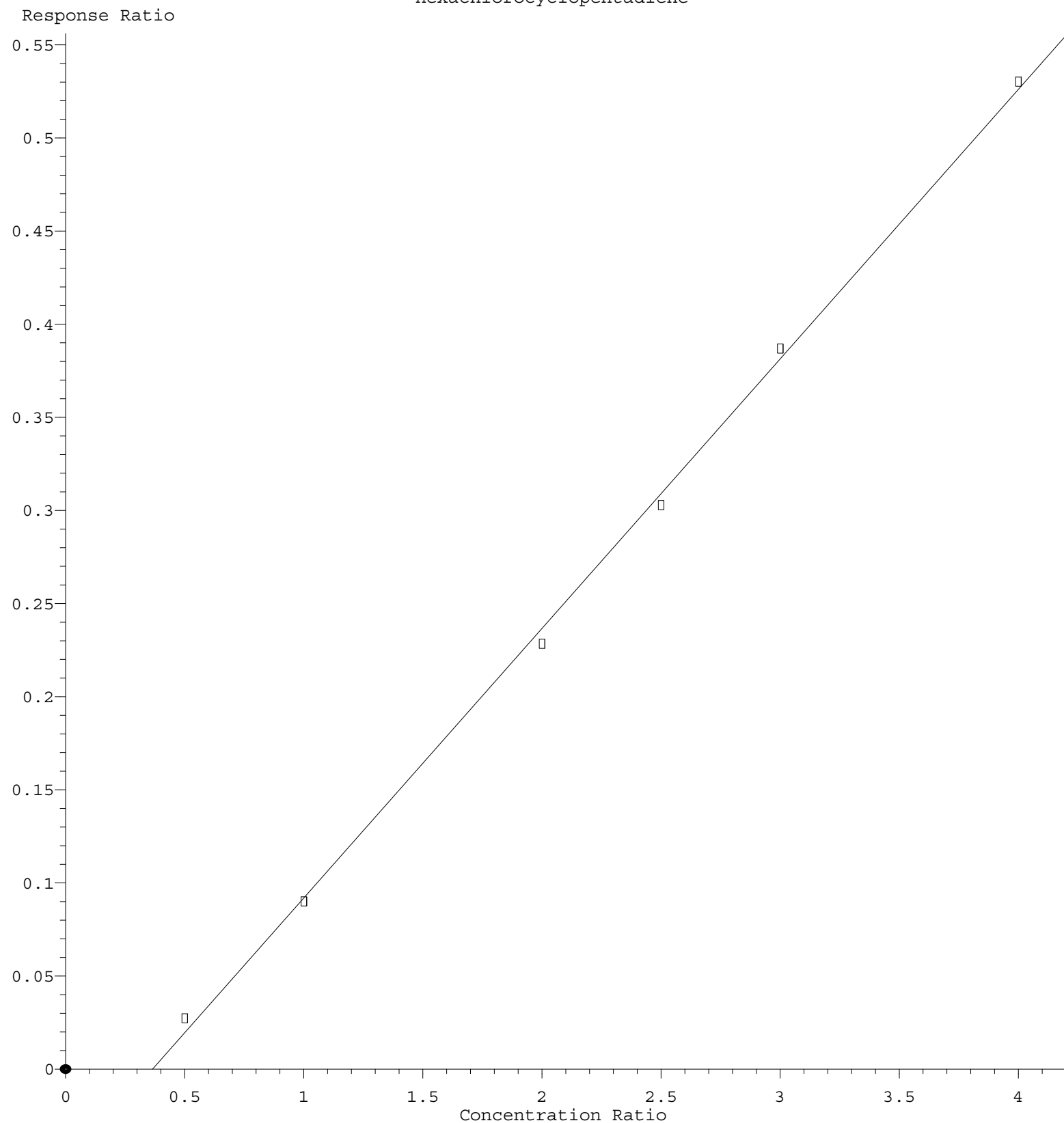
-----  
(#) = Out of Range

# Benzoic acid



$\text{Response} = 2.193\text{e-}001 * \text{Amt} - 7.887\text{e-}002$   
 Coef of Det ( $r^2$ ) = 0.997922    Curve Fit: Linear  
 Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF112124.M  
 Calibration Table Last Updated: Thu Nov 21 15:23:48 2024

## Hexachlorocyclopentadiene



$$\text{Response} = 1.448\text{e-}001 * \text{Amt} - 5.280\text{e-}002$$

Coef of Det ( $r^2$ ) = 0.998763 Curve Fit: Linear

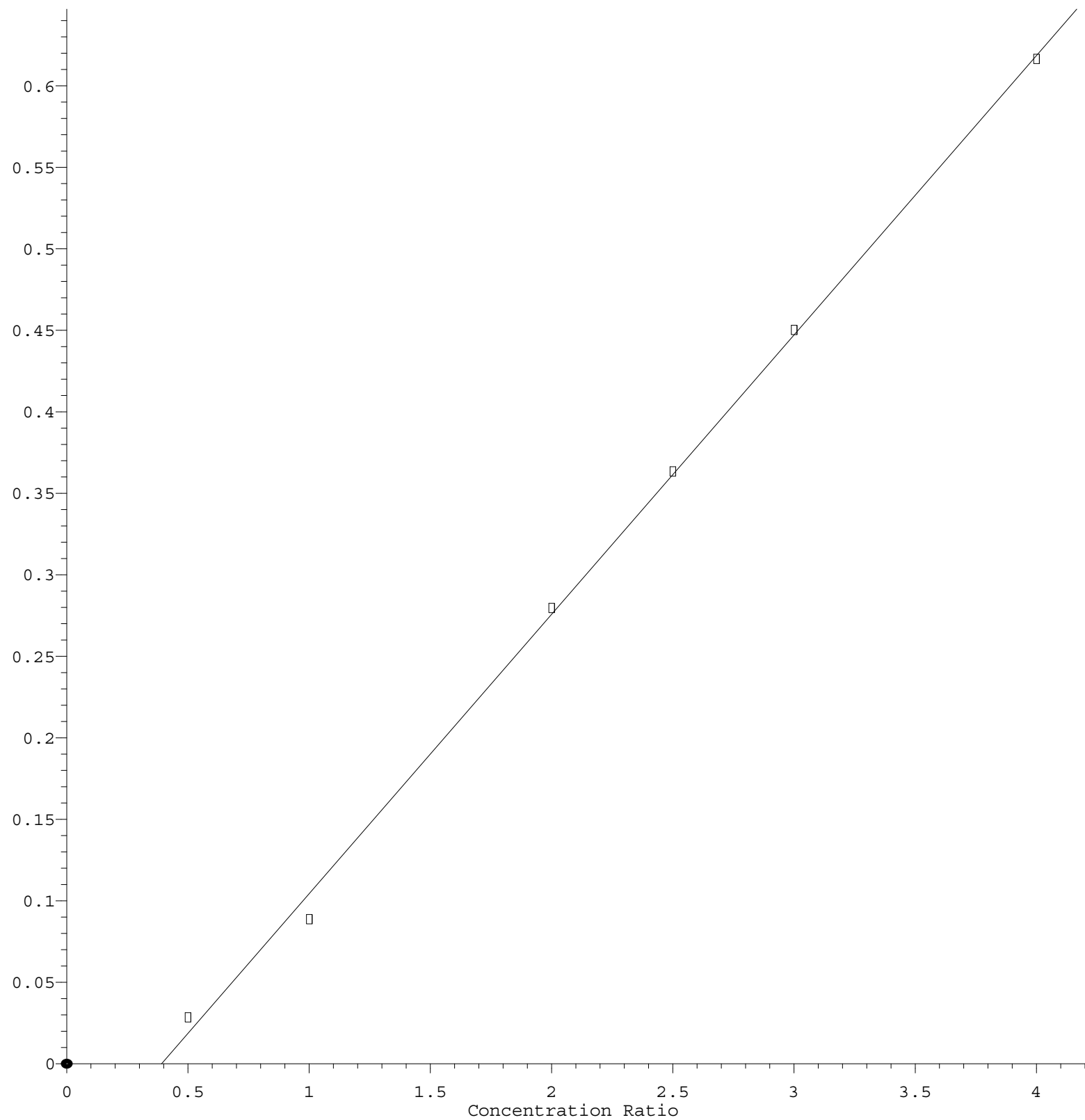
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF112124.M

Calibration Table Last Updated: Thu Nov 21 15:23:48 2024



# 2,4-Dinitrophenol

Response Ratio



$$\text{Response} = 1.715\text{e-}001 * \text{Amt} - 6.708\text{e-}002$$

Coef of Det (r^2) = 0.998475 Curve Fit: Linear

Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF112124.M

Calibration Table Last Updated: Thu Nov 21 15:23:48 2024

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF112124\  
Data File : BF140528.D  
Acq On : 21 Nov 2024 11:13  
Operator : RC/JU  
Sample : SSTDICC2.5  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC2.5

Quant Time: Nov 21 15:08:58 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF112124.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Nov 21 14:50:10 2024  
Response via : Initial Calibration

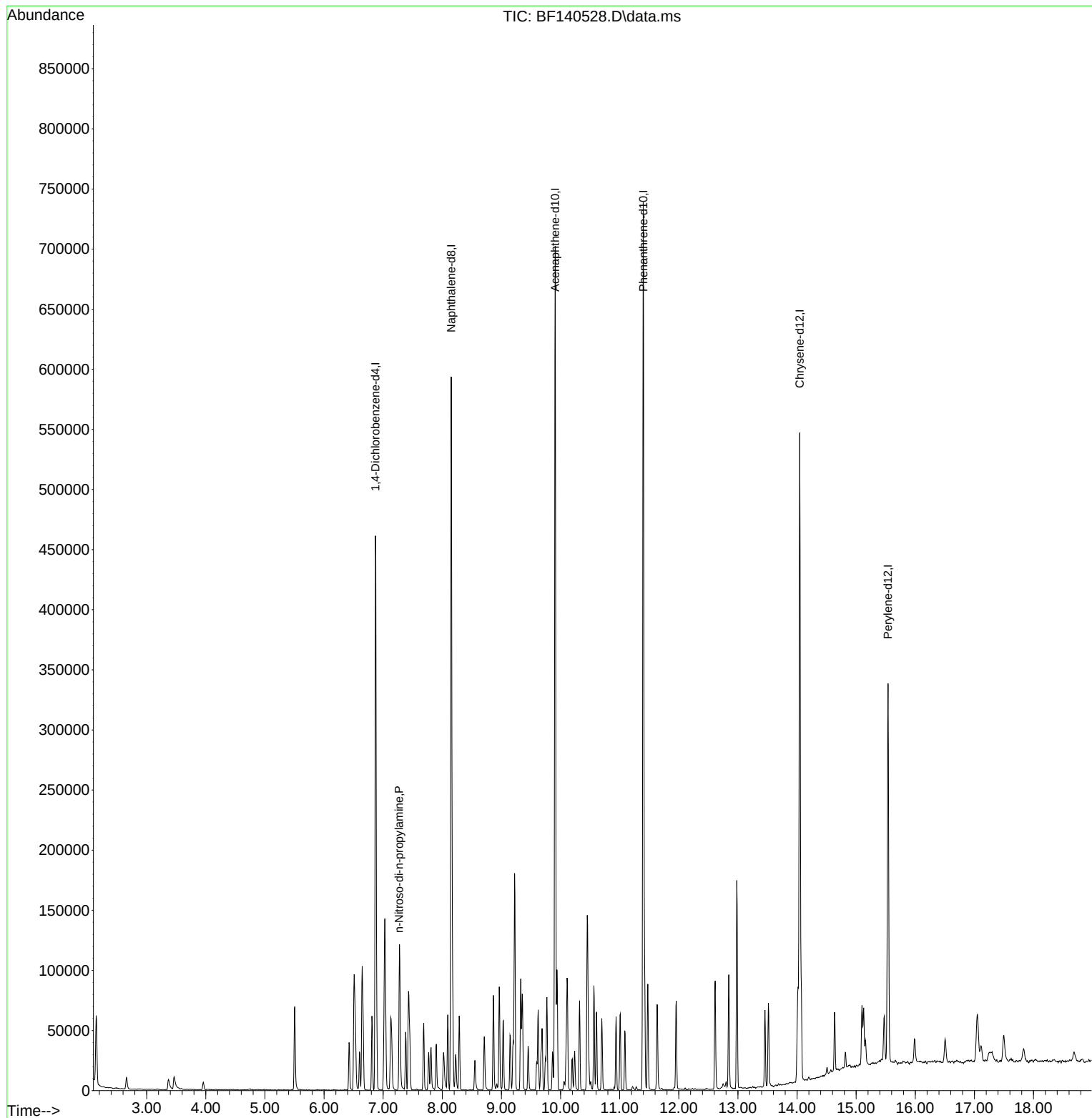
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.869  | 152  | 98970    | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.151  | 136  | 372671   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.910  | 164  | 211504   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.398 | 188  | 393771   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 14.045 | 240  | 232997   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12              | 15.539 | 264  | 178104   | 20.000 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 0.000  | 112  | 0d       | 0.000  | ng    |          |
| 7) Phenol-d6                  | 0.000  | 99   | 0d       | 0.000  | ng    |          |
| 23) Nitrobenzene-d5           | 0.000  | 82   | 0d       | 0.000  | ng    |          |
| 42) 2,4,6-Tribromophenol      | 0.000  | 330  | 0d       | 0.000  | ng    |          |
| 45) 2-Fluorobiphenyl          | 0.000  | 172  | 0d       | 0.000  | ng    |          |
| 79) Terphenyl-d14             | 0.000  | 244  | 0d       | 0.000  | ng    |          |
| Target Compounds              |        |      |          |        |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.269  | 70   | 12029    | 2.654  | ng    | 98       |

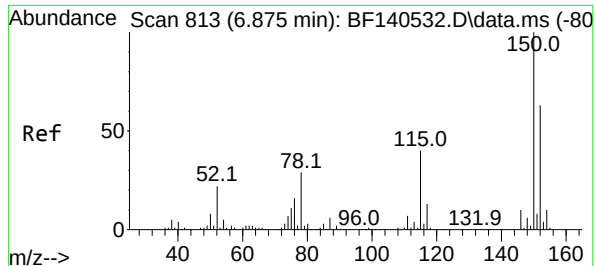
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF112124\  
Data File : BF140528.D  
Acq On : 21 Nov 2024 11:13  
Operator : RC/JU  
Sample : SSTDICC2.5  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC2.5

Quant Time: Nov 21 15:08:58 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF112124.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Nov 21 14:50:10 2024  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.869 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF140528.D

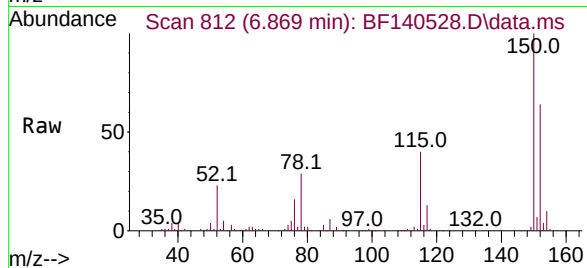
Acq: 21 Nov 2024 11:13

Instrument :

BNA\_F

ClientSampleId :

SSTDICC2.5



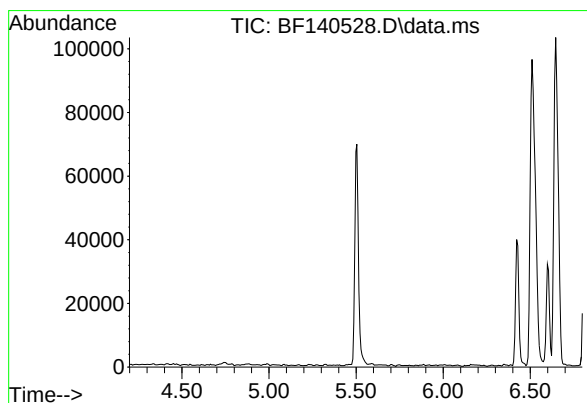
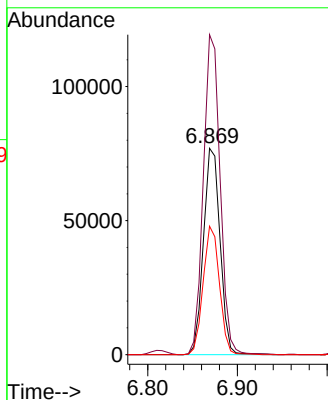
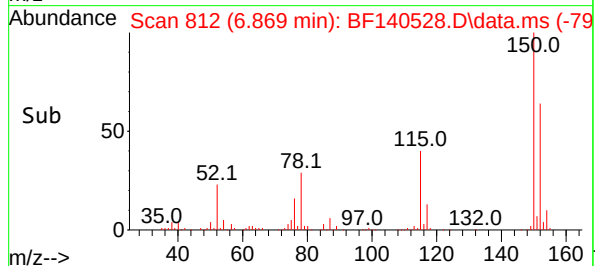
Tgt Ion:152 Resp: 98970

Ion Ratio Lower Upper

152 100

150 155.1 128.5 192.7

115 62.3 50.2 75.4



#5

2-Fluorophenol

Concen: 0.000 ng

Expected RT: 5.50 min

Lab File: BF140528.D

Acq: 21 Nov 2024 11:13

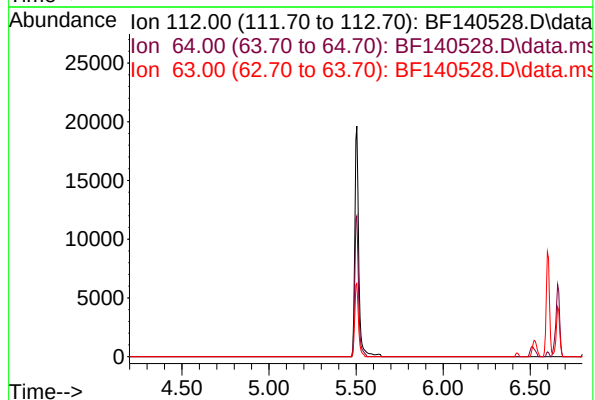
Tgt Ion: 112

Sig Exp Ratio

112 100

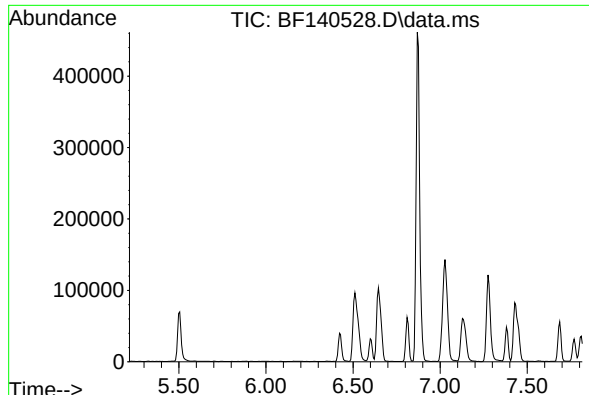
64 61.5

63 33.7



Ion 64.00 (63.70 to 64.70): BF140528.D\data.ms

Ion 63.00 (62.70 to 63.70): BF140528.D\data.ms



#7

Phenol-d6

Concen: 0.000 ng

Expected RT: 6.52 min

Lab File: BF140528.D

Acq: 21 Nov 2024 11:13

Instrument :

BNA\_F

ClientSampleId :

SSTDICC2.5

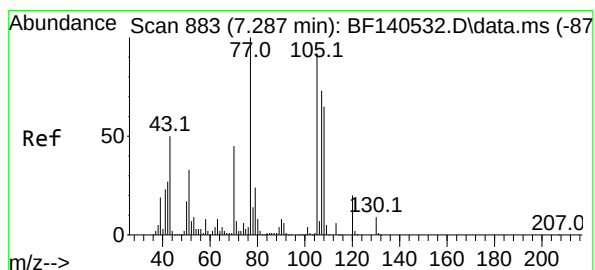
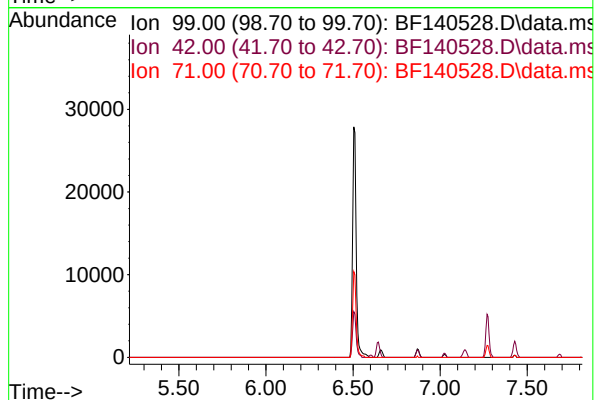
Tgt Ion: 99

Sig Exp Ratio

99 100

42 19.2

71 38.3



#19

n-Nitroso-di-n-propylamine

Concen: 2.654 ng

RT: 7.269 min Scan# 880

Delta R.T. -0.018 min

Lab File: BF140528.D

Acq: 21 Nov 2024 11:13

Tgt Ion: 70 Resp: 12029

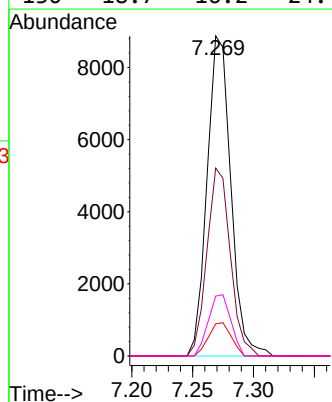
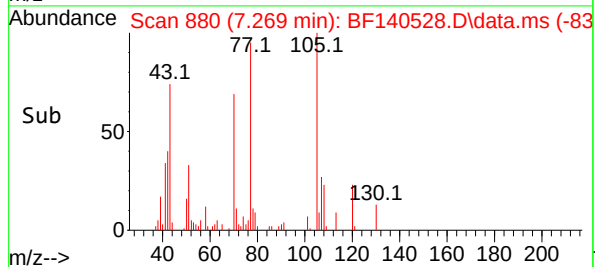
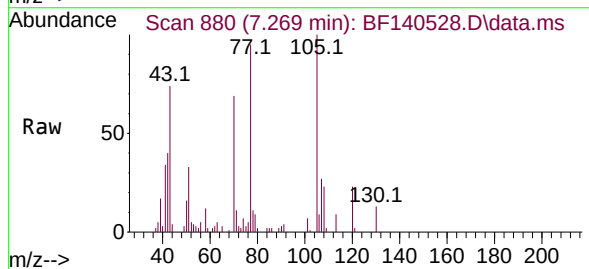
Ion Ratio Lower Upper

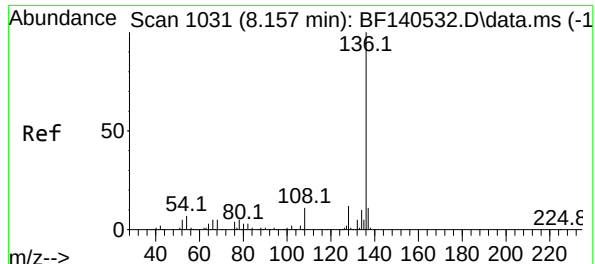
70 100

42 58.7 47.6 71.4

101 10.0 7.6 11.4

130 18.7 16.2 24.4





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.151 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF140528.D

Acq: 21 Nov 2024 11:13

Instrument :

BNA\_F

ClientSampleId :

SSTDICC2.5

Tgt Ion:136 Resp: 372671

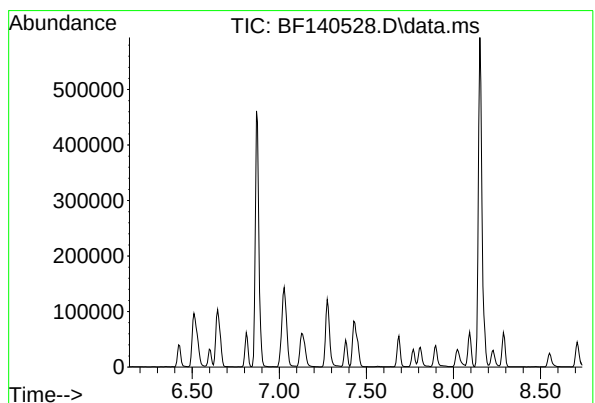
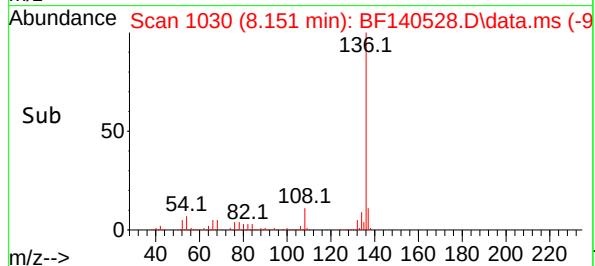
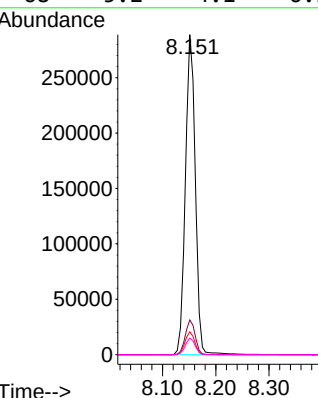
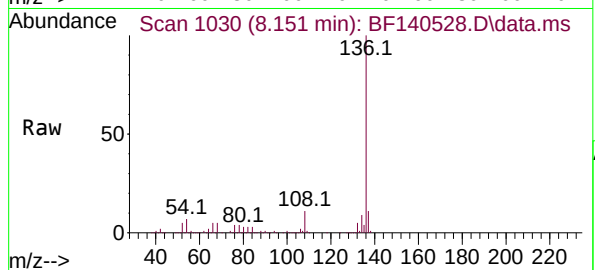
Ion Ratio Lower Upper

136 100

137 10.8 8.6 13.0

54 7.2 5.8 8.8

68 5.2 4.1 6.1



#23

Nitrobenzene-d5

Concen: 0.000 ng

Expected RT: 7.44 min

Lab File: BF140528.D

Acq: 21 Nov 2024 11:13

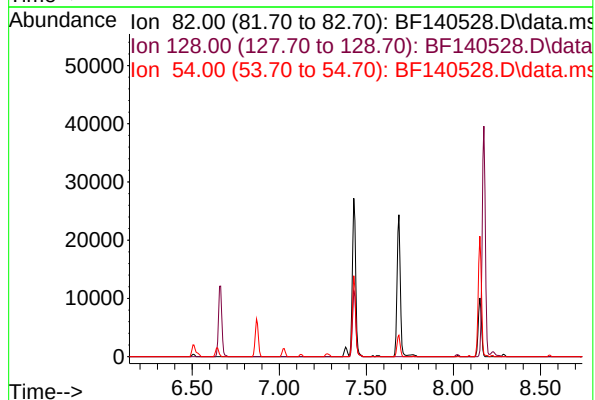
Tgt Ion: 82

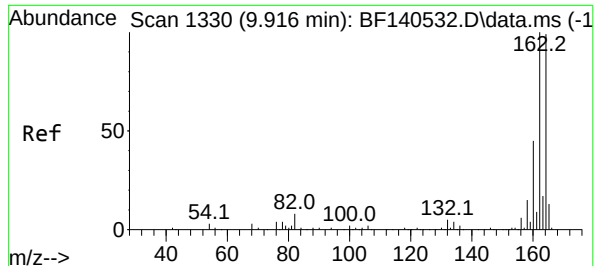
Sig Exp Ratio

82 100

128 41.2

54 49.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.910 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF140528.D

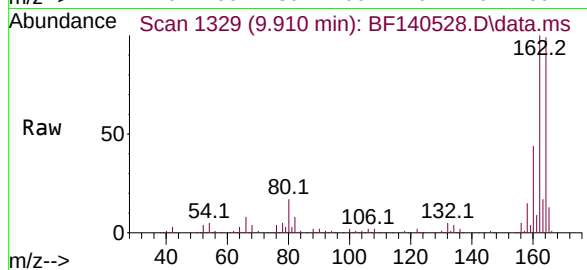
Acq: 21 Nov 2024 11:13

Instrument :

BNA\_F

ClientSampleId :

SSTDICC2.5



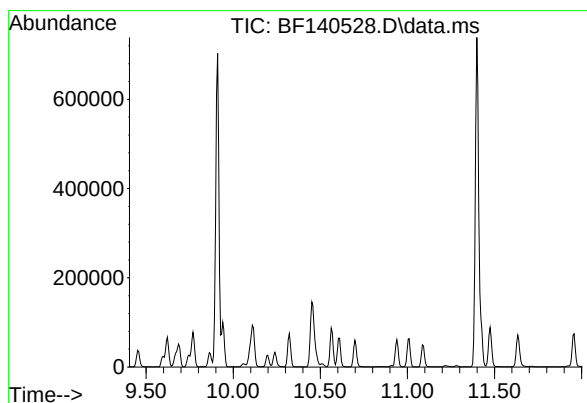
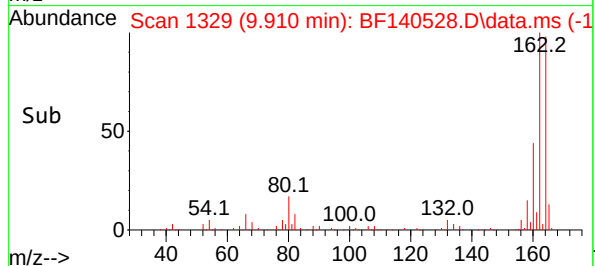
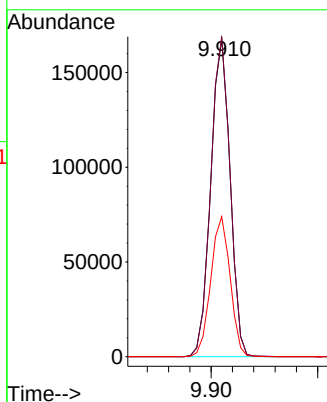
Tgt Ion:164 Resp: 211504

Ion Ratio Lower Upper

164 100

162 100.8 80.6 120.8

160 44.1 36.2 54.4



#42

2,4,6-Tribromophenol

Concen: 0.000 ng

Expected RT: 10.70 min

Lab File: BF140528.D

Acq: 21 Nov 2024 11:13

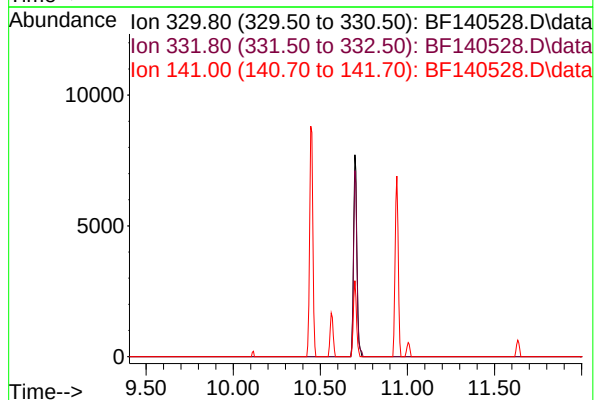
Tgt Ion: 330

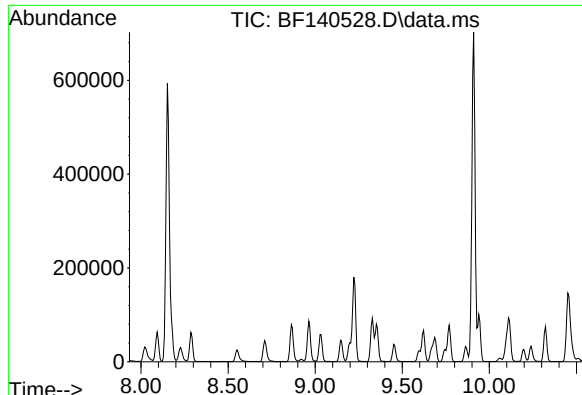
Sig Exp Ratio

330 100

332 96.1

141 33.4





#45

2-Fluorobiphenyl

Concen: 0.000 ng

Expected RT: 9.23 min

Lab File: BF140528.D

Acq: 21 Nov 2024 11:13

Instrument :

BNA\_F

ClientSampleId :

SSTDICC2.5

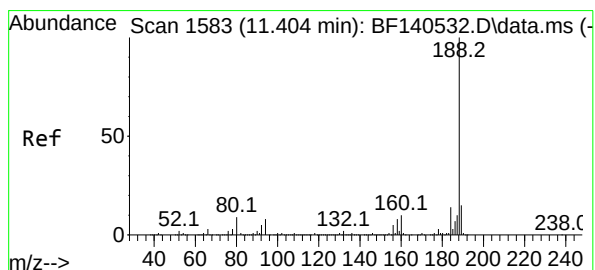
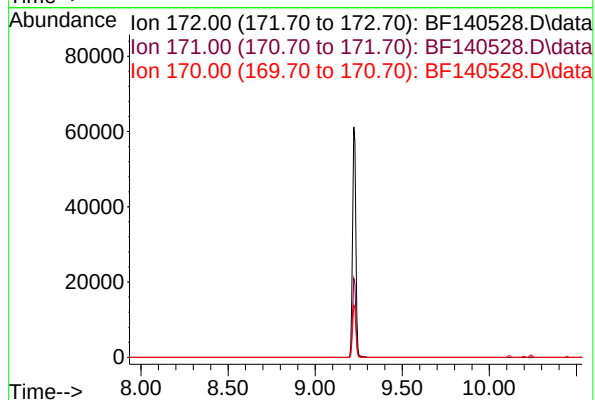
Tgt Ion: 172

Sig Exp Ratio

172 100

171 35.5

170 23.8



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.398 min Scan# 1582

Delta R.T. -0.006 min

Lab File: BF140528.D

Acq: 21 Nov 2024 11:13

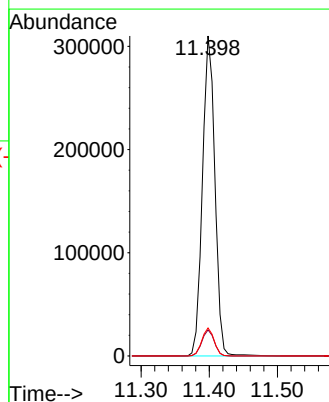
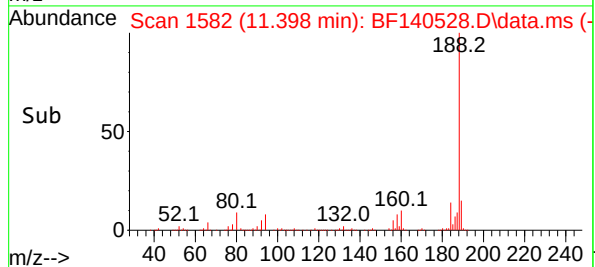
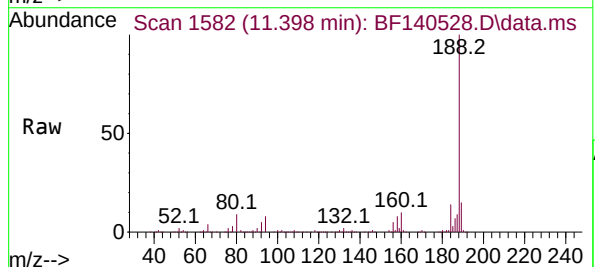
Tgt Ion:188 Resp: 393771

Ion Ratio Lower Upper

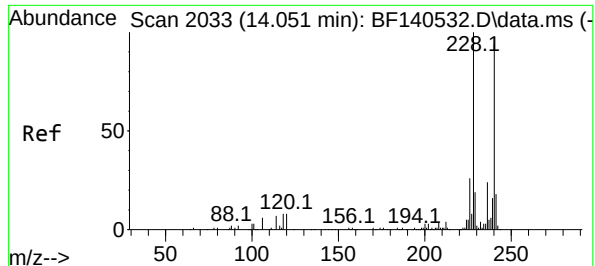
188 100

94 8.2 6.4 9.6

80 8.7 6.9 10.3

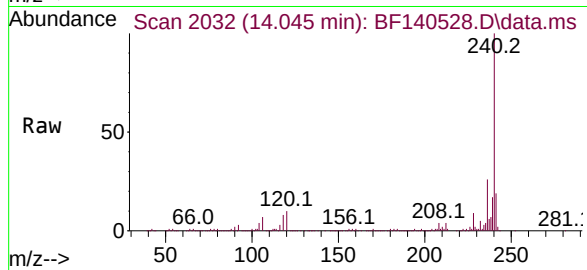




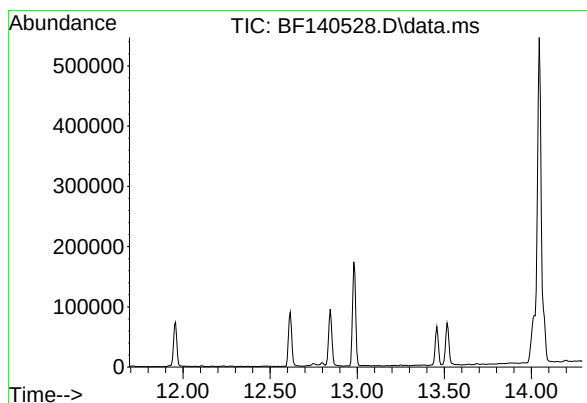
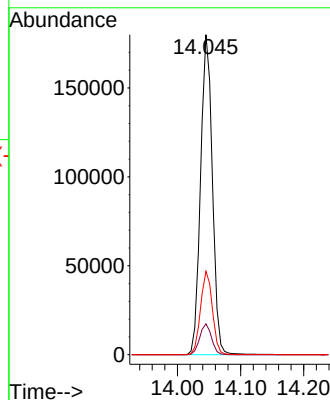
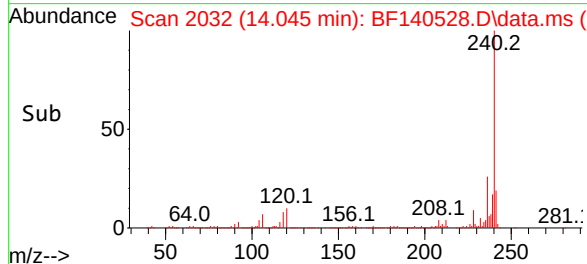


#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.045 min Scan# 20  
Delta R.T. -0.006 min  
Lab File: BF140528.D  
Acq: 21 Nov 2024 11:13

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC2.5



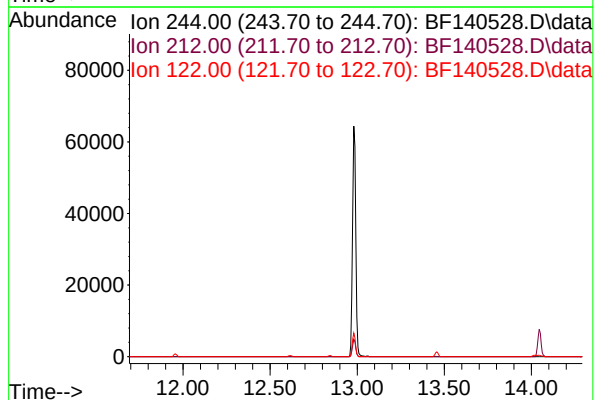
Tgt Ion:240 Resp: 232997  
Ion Ratio Lower Upper  
240 100  
120 9.7 7.3 10.9  
236 26.1 20.6 31.0

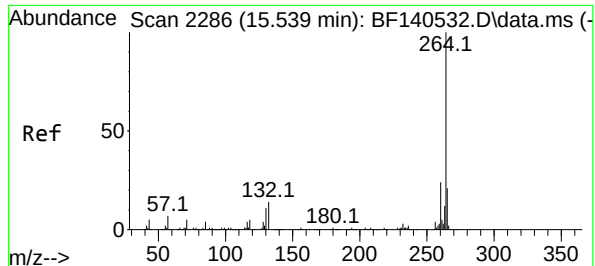


#79  
Terphenyl-d14  
Concen: 0.000 ng  
Expected RT: 12.99 min

Lab File: BF140528.D  
Acq: 21 Nov 2024 11:13

Tgt Ion: 244  
Sig Exp Ratio  
244 100  
212 7.3  
122 10.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.539 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF140528.D

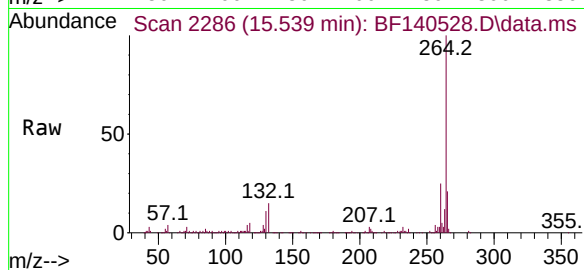
Acq: 21 Nov 2024 11:13

Instrument :

BNA\_F

ClientSampleId :

SSTDICC2.5



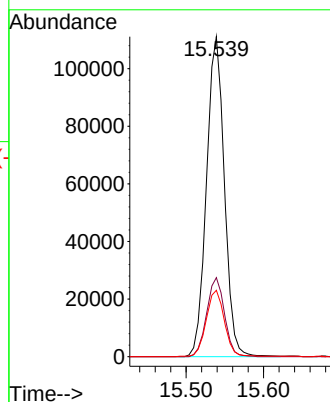
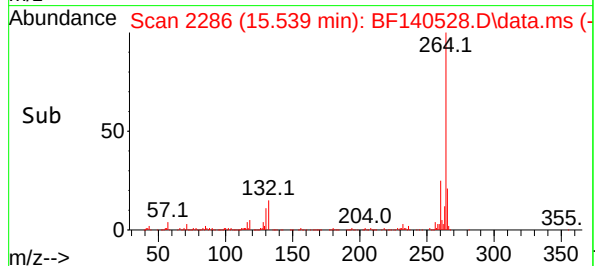
Tgt Ion:264 Resp: 178104

Ion Ratio Lower Upper

264 100

260 24.7 19.0 28.6

265 20.7 16.6 25.0



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF112124\  
 Data File : BF140529.D  
 Acq On : 21 Nov 2024 11:39  
 Operator : RC/JU  
 Sample : SSTDICC005  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDICC005

Quant Time: Nov 21 15:09:49 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF112124.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Nov 21 14:50:10 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.875  | 152  | 104134   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.151  | 136  | 395935   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.910  | 164  | 219293   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.398 | 188  | 428851   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 14.045 | 240  | 270381   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12              | 15.533 | 264  | 205006   | 20.000 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.499  | 112  | 65659    | 10.758 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.504  | 99   | 90026    | 11.158 | ng    | -0.01    |
| 23) Nitrobenzene-d5           | 7.428  | 82   | 80941    | 10.457 | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 10.698 | 330  | 24342    | 10.379 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.222  | 172  | 170000   | 11.550 | ng    | -0.01    |
| 79) Terphenyl-d14             | 12.980 | 244  | 182707   | 10.522 | ng    | -0.01    |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.646  | 88   | 13033    | 5.079  | ng    | 99       |
| 3) Pyridine                   | 3.440  | 79   | 25544    | 4.524  | ng    | 98       |
| 4) n-Nitrosodimethylamine     | 3.358  | 42   | 16043    | 4.835  | ng    | # 98     |
| 6) Aniline                    | 6.534  | 93   | 30162    | 5.311  | ng    | # 85     |
| 8) 2-Chlorophenol             | 6.657  | 128  | 36046    | 5.490  | ng    | 99       |
| 10) Phenol                    | 6.522  | 94   | 44852    | 5.443  | ng    | 94       |
| 11) bis(2-Chloroethyl)ether   | 6.604  | 93   | 33630    | 5.333  | ng    | 99       |
| 12) 1,3-Dichlorobenzene       | 6.810  | 146  | 41643    | 5.644  | ng    | 97       |
| 13) 1,4-Dichlorobenzene       | 6.887  | 146  | 42002    | 5.622  | ng    | 98       |
| 14) 1,2-Dichlorobenzene       | 7.040  | 146  | 39138    | 5.591  | ng    | 97       |
| 15) Benzyl Alcohol            | 7.010  | 79   | 32114    | 5.367  | ng    | 98       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.146  | 45   | 42946    | 5.765  | ng    | 79       |
| 17) 2-Methylphenol            | 7.128  | 107  | 29188    | 5.553  | ng    | 96       |
| 18) Hexachloroethane          | 7.381  | 117  | 15560    | 5.577  | ng    | 97       |
| 19) n-Nitroso-di-n-propyla... | 7.275  | 70   | 26085    | 5.470  | ng    | 99       |
| 20) 3+4-Methylphenols         | 7.281  | 107  | 38915    | 5.760  | ng    | 97       |
| 22) Acetophenone              | 7.275  | 105  | 53017    | 5.492  | ng    | 95       |
| 24) Nitrobenzene              | 7.451  | 77   | 43460    | 5.432  | ng    | 99       |
| 25) Isophorone                | 7.687  | 82   | 68701    | 5.321  | ng    | 100      |
| 26) 2-Nitrophenol             | 7.769  | 139  | 17600    | 4.964  | ng    | 100      |
| 27) 2,4-Dimethylphenol        | 7.804  | 122  | 21843    | 5.149  | ng    | 97       |
| 28) bis(2-Chloroethoxy)met... | 7.898  | 93   | 42337    | 5.383  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 8.022  | 162  | 29819    | 5.305  | ng    | 95       |
| 30) 1,2,4-Trichlorobenzene    | 8.092  | 180  | 33886    | 5.280  | ng    | 99       |
| 31) Naphthalene               | 8.175  | 128  | 110501   | 5.418  | ng    | 99       |
| 33) 4-Chloroaniline           | 8.228  | 127  | 30440    | 4.985  | ng    | 97       |
| 34) Hexachlorobutadiene       | 8.287  | 225  | 22446    | 5.280  | ng    | 99       |
| 35) Caprolactam               | 8.557  | 113  | 8985     | 5.165  | ng    | 99       |
| 36) 4-Chloro-3-methylphenol   | 8.710  | 107  | 34404    | 5.467  | ng    | 99       |
| 37) 2-Methylnaphthalene       | 8.863  | 142  | 71706    | 5.536  | ng    | 100      |
| 38) 1-Methylnaphthalene       | 8.963  | 142  | 69955    | 5.510  | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 9.034  | 216  | 34836    | 5.426  | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 9.145  | 196  | 21046    | 5.224  | ng    | 99       |
| 44) 2,4,5-Trichlorophenol     | 9.192  | 196  | 22061    | 5.046  | ng    | 99       |
| 46) 1,1'-Biphenyl             | 9.328  | 154  | 91336    | 5.579  | ng    | 99       |
| 47) 2-Chloronaphthalene       | 9.351  | 162  | 68559    | 5.526  | ng    | 99       |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF112124\  
 Data File : BF140529.D  
 Acq On : 21 Nov 2024 11:39  
 Operator : RC/JU  
 Sample : SSTDICC005  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDICC005

Quant Time: Nov 21 15:09:49 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF112124.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Nov 21 14:50:10 2024  
 Response via : Initial Calibration

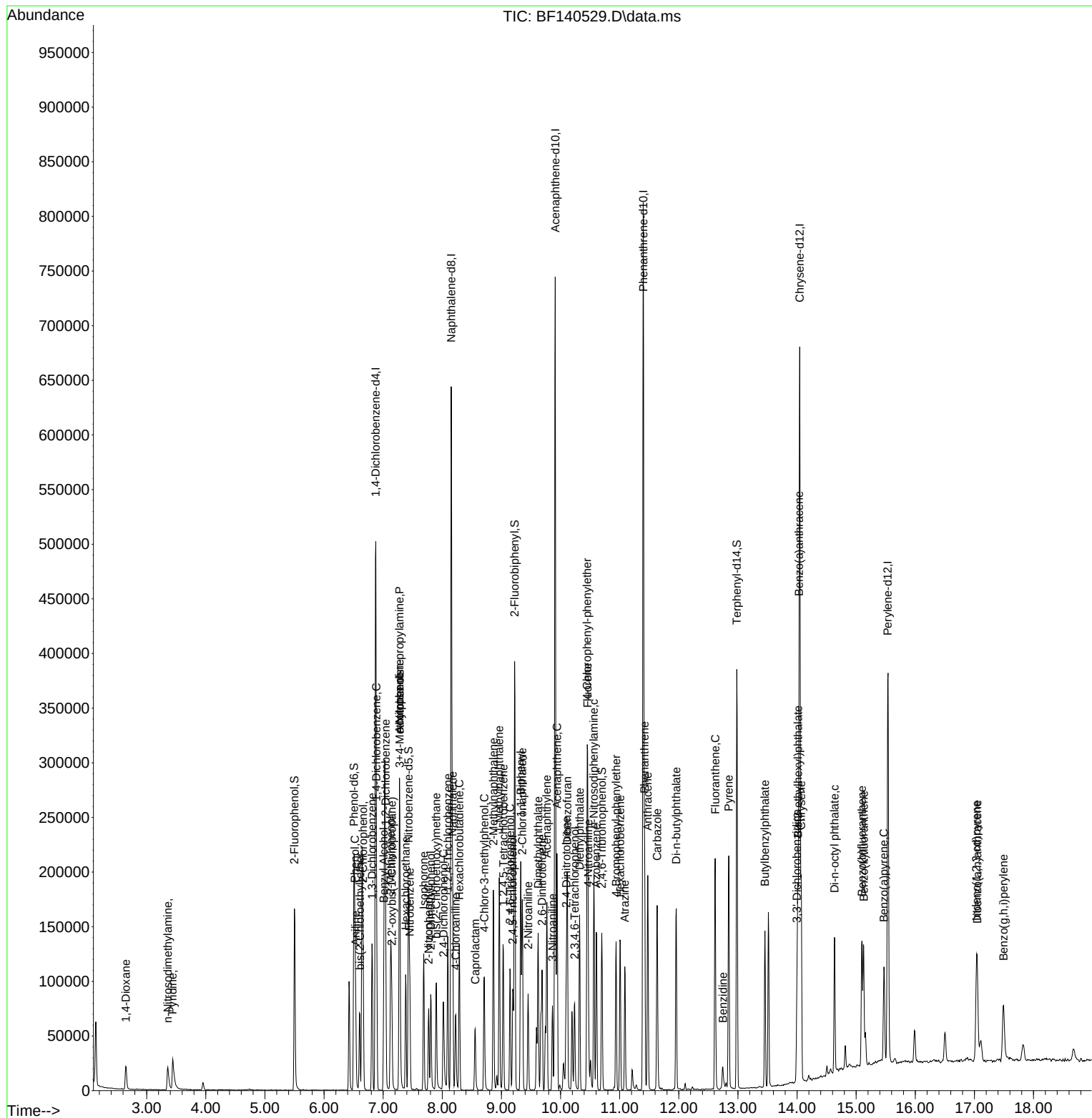
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| 48) 2-Nitroaniline            | 9.451  | 65   | 20109    | 5.050 | ng    | 99       |
| 49) Acenaphthylene            | 9.769  | 152  | 103605   | 5.527 | ng    | 99       |
| 50) Dimethylphthalate         | 9.622  | 163  | 79770    | 5.523 | ng    | 98       |
| 51) 2,6-Dinitrotoluene        | 9.687  | 165  | 17217    | 5.256 | ng    | 99       |
| 52) Acenaphthene              | 9.939  | 154  | 64777    | 5.337 | ng    | 97       |
| 53) 3-Nitroaniline            | 9.863  | 138  | 16842    | 5.257 | ng    | 98       |
| 55) Dibenzofuran              | 10.116 | 168  | 104044   | 5.727 | ng    | 96       |
| 57) 2,4-Dinitrotoluene        | 10.098 | 165  | 22110    | 5.079 | ng    | 98       |
| 58) Fluorene                  | 10.457 | 166  | 82732    | 5.674 | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol | 10.239 | 232  | 16825    | 5.007 | ng    | # 96     |
| 60) Diethylphthalate          | 10.322 | 149  | 81981    | 5.587 | ng    | 100      |
| 61) 4-Chlorophenyl-phenyle... | 10.451 | 204  | 40537    | 5.665 | ng    | 95       |
| 62) 4-Nitroaniline            | 10.469 | 138  | 16848    | 5.014 | ng    | 98       |
| 63) Azobenzene                | 10.604 | 77   | 77108    | 5.549 | ng    | 96       |
| 66) n-Nitrosodiphenylamine    | 10.563 | 169  | 67794    | 5.346 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 10.939 | 248  | 23355    | 5.288 | ng    | 99       |
| 68) Hexachlorobenzene         | 11.010 | 284  | 27532    | 5.384 | ng    | 99       |
| 69) Atrazine                  | 11.086 | 200  | 19452    | 5.452 | ng    | 99       |
| 71) Phenanthrene              | 11.422 | 178  | 115121   | 5.584 | ng    | 98       |
| 72) Anthracene                | 11.475 | 178  | 111316   | 5.520 | ng    | 100      |
| 73) Carbazole                 | 11.633 | 167  | 107643   | 5.549 | ng    | 98       |
| 74) Di-n-butylphthalate       | 11.957 | 149  | 122687   | 5.478 | ng    | 99       |
| 75) Fluoranthene              | 12.616 | 202  | 127194   | 5.683 | ng    | 100      |
| 77) Benzidine                 | 12.745 | 184  | 18105    | 2.303 | ng    | 99       |
| 78) Pyrene                    | 12.845 | 202  | 128760   | 5.150 | ng    | 98       |
| 80) Butylbenzylphthalate      | 13.457 | 149  | 45690    | 5.073 | ng    | 99       |
| 81) Benzo(a)anthracene        | 14.033 | 228  | 95229    | 5.321 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 13.998 | 252  | 25321    | 4.712 | ng    | 97       |
| 83) Chrysene                  | 14.069 | 228  | 91528    | 5.593 | ng    | 97       |
| 84) Bis(2-ethylhexyl)phtha... | 14.016 | 149  | 61082    | 5.371 | ng    | 100      |
| 85) Di-n-octyl phthalate      | 14.633 | 149  | 80990    | 5.211 | ng    | 99       |
| 87) Indeno(1,2,3-cd)pyrene    | 17.033 | 276  | 61952    | 4.637 | ng    | 97       |
| 88) Benzo(b)fluoranthene      | 15.098 | 252  | 69048    | 5.362 | ng    | 98       |
| 89) Benzo(k)fluoranthene      | 15.127 | 252  | 63717    | 5.655 | ng    | 96       |
| 90) Benzo(a)pyrene            | 15.469 | 252  | 54423    | 5.198 | ng    | 97       |
| 91) Dibenzo(a,h)anthracene    | 17.051 | 278  | 52029    | 4.755 | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 17.492 | 276  | 52919    | 4.740 | ng    | 97       |

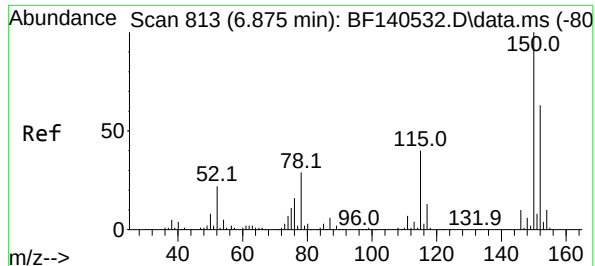
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF112124\  
Data File : BF140529.D  
Acq On : 21 Nov 2024 11:39  
Operator : RC/JU  
Sample : SSTDICC005  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

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

Quant Time: Nov 21 15:09:49 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF112124.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Nov 21 14:50:10 2024  
Response via : Initial Calibration

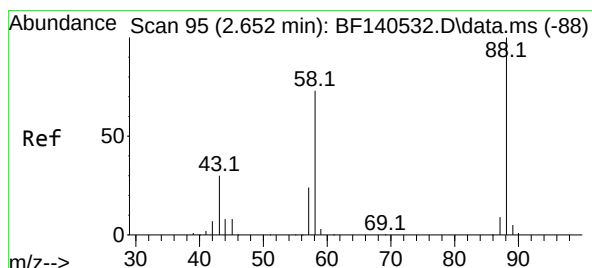
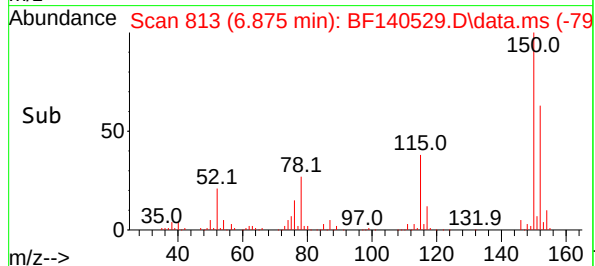
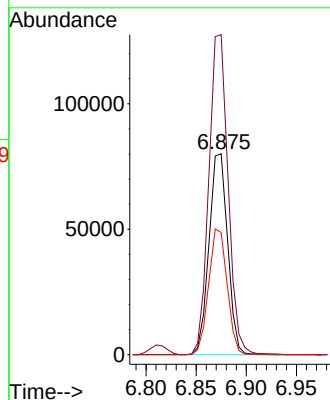
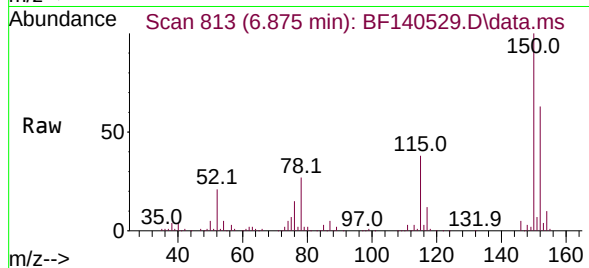




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.875 min Scan# 81  
Delta R.T. -0.000 min  
Lab File: BF140529.D  
Acq: 21 Nov 2024 11:39

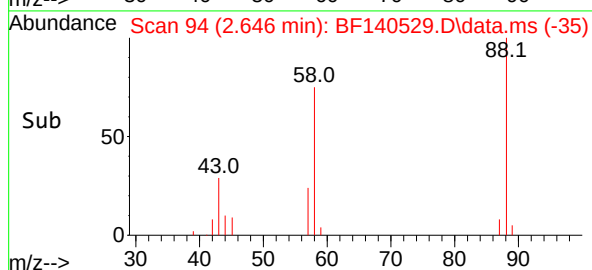
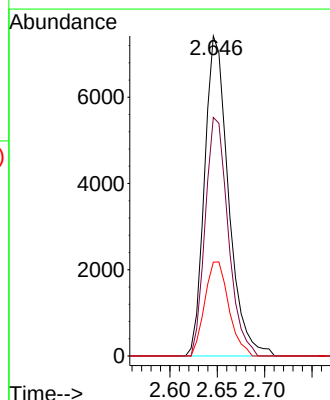
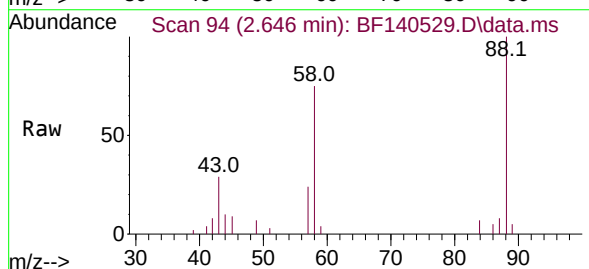
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC005

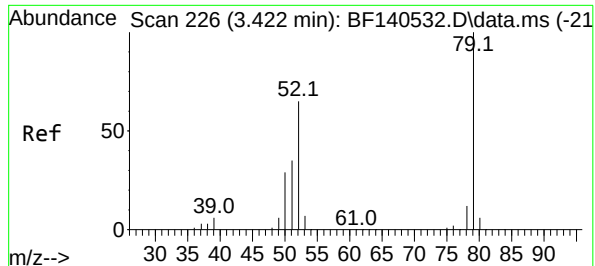
Tgt Ion:152 Resp: 104134  
Ion Ratio Lower Upper  
152 100  
150 159.2 128.5 192.7  
115 60.8 50.2 75.4



#2  
1,4-Dioxane  
Concen: 5.079 ng  
RT: 2.646 min Scan# 94  
Delta R.T. -0.006 min  
Lab File: BF140529.D  
Acq: 21 Nov 2024 11:39

Tgt Ion: 88 Resp: 13033  
Ion Ratio Lower Upper  
88 100  
58 71.6 57.4 86.2  
43 29.5 24.3 36.5





#3

Pyridine

Concen: 4.524 ng

RT: 3.440 min Scan# 21

Delta R.T. 0.018 min

Lab File: BF140529.D

Acq: 21 Nov 2024 11:39

Instrument :

BNA\_F

ClientSampleId :

SSTDICC005

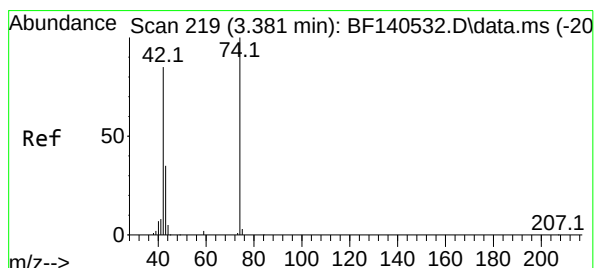
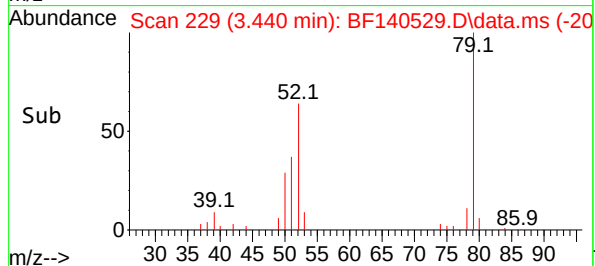
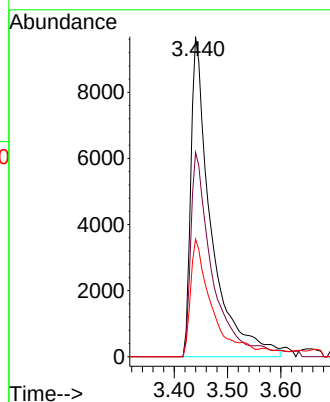
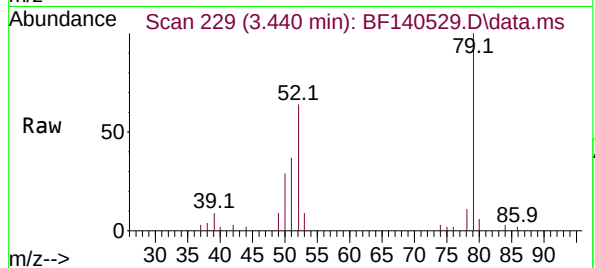
Tgt Ion: 79 Resp: 25544

Ion Ratio Lower Upper

79 100

52 63.9 52.1 78.1

51 36.8 27.8 41.8



#4

n-Nitrosodimethylamine

Concen: 4.835 ng

RT: 3.358 min Scan# 215

Delta R.T. -0.023 min

Lab File: BF140529.D

Acq: 21 Nov 2024 11:39

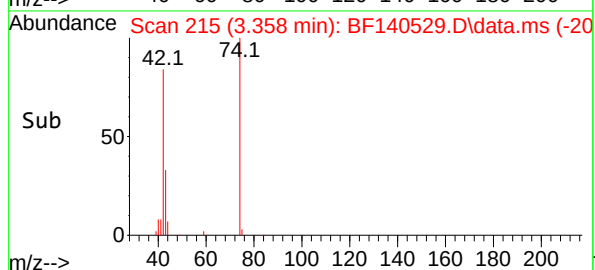
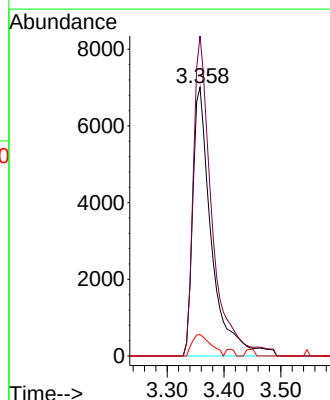
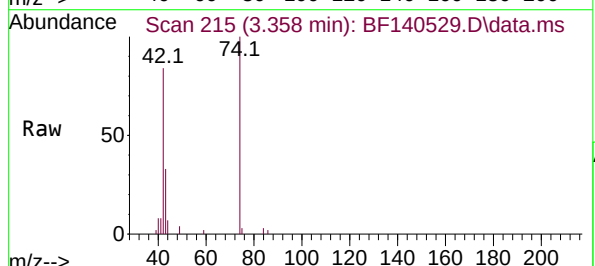
Tgt Ion: 42 Resp: 16043

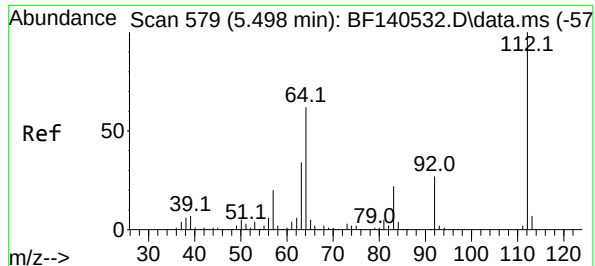
Ion Ratio Lower Upper

42 100

74 119.1 93.8 140.6

44 8.0 4.6 6.8#



#5  
2-Fluorophenol

Concen: 10.758 ng

RT: 5.499 min Scan# 51

Delta R.T. 0.000 min

Lab File: BF140529.D

Acq: 21 Nov 2024 11:39

Instrument :

BNA\_F

ClientSampleId :

SSTDICC005

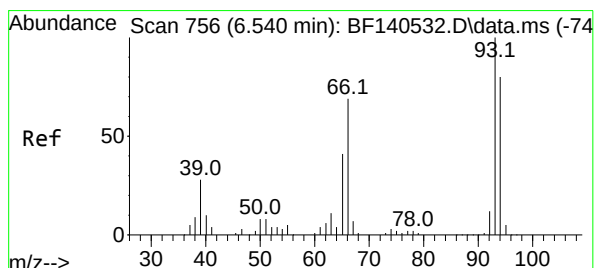
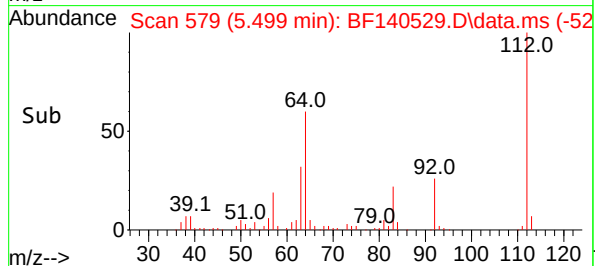
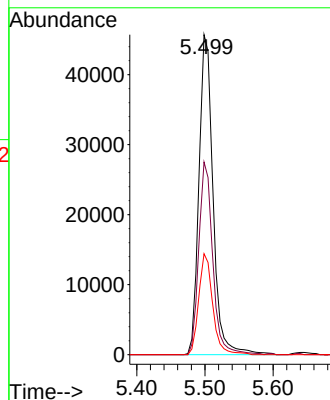
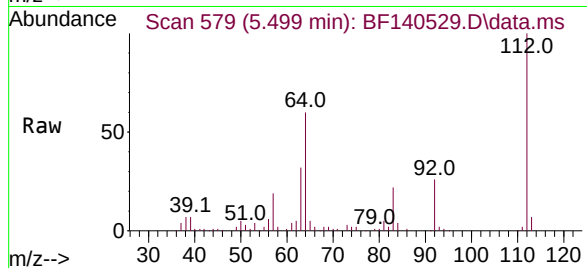
Tgt Ion:112 Resp: 65659

Ion Ratio Lower Upper

112 100

64 60.2 49.2 73.8

63 31.6 27.0 40.4



#6

Aniline

Concen: 5.311 ng

RT: 6.534 min Scan# 755

Delta R.T. -0.006 min

Lab File: BF140529.D

Acq: 21 Nov 2024 11:39

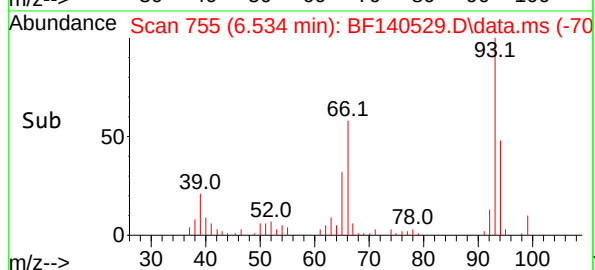
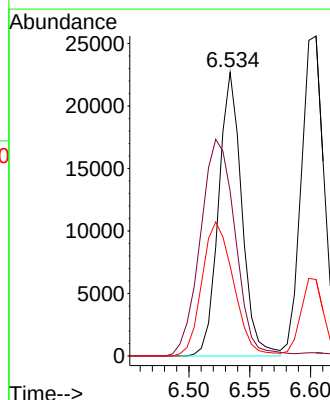
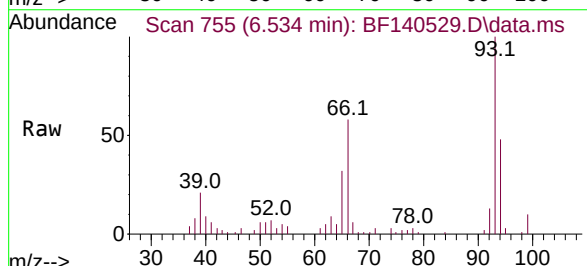
Tgt Ion: 93 Resp: 30162

Ion Ratio Lower Upper

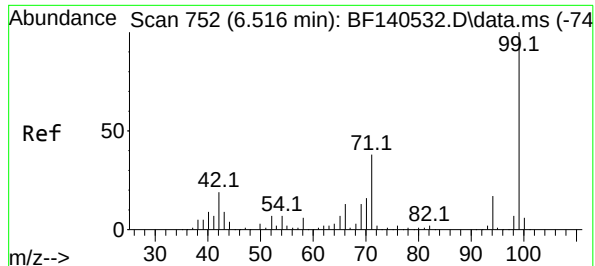
93 100

66 58.1 56.5 84.7

65 31.8 32.9 49.3#







#7

Phenol-d6

Concen: 11.158 ng

RT: 6.504 min Scan# 71

Delta R.T. -0.012 min

Lab File: BF140529.D

Acq: 21 Nov 2024 11:39

Instrument :

BNA\_F

ClientSampleId :

SSTDICC005

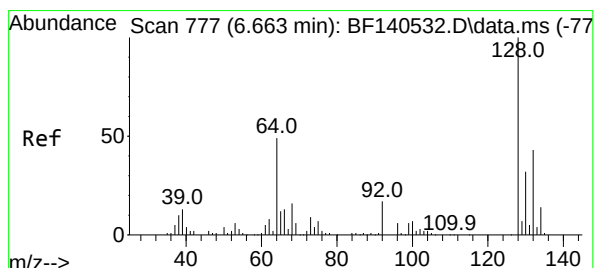
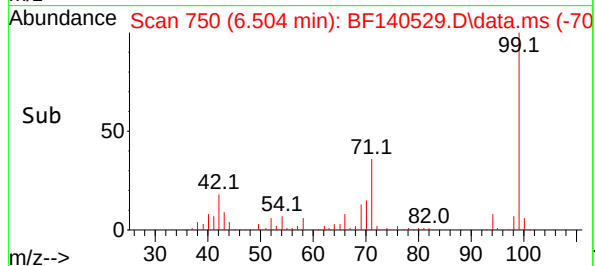
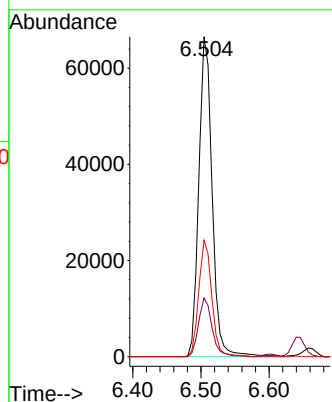
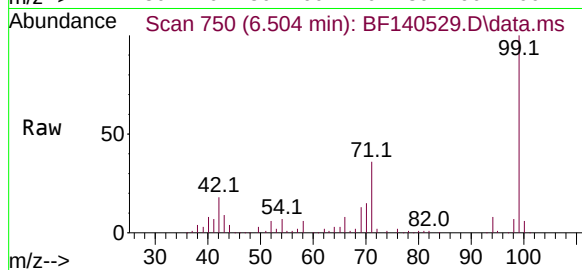
Tgt Ion: 99 Resp: 90026

Ion Ratio Lower Upper

99 100

42 18.4 15.4 23.0

71 36.4 30.6 46.0



#8

2-Chlorophenol

Concen: 5.490 ng

RT: 6.657 min Scan# 776

Delta R.T. -0.006 min

Lab File: BF140529.D

Acq: 21 Nov 2024 11:39

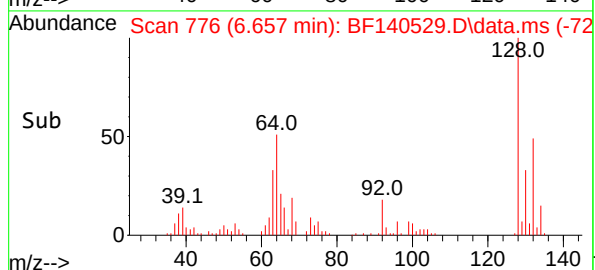
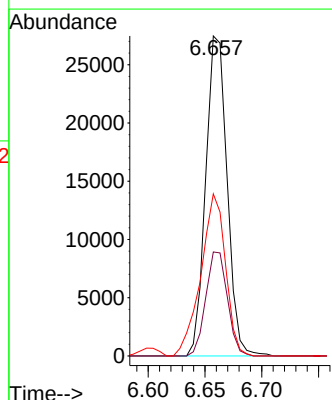
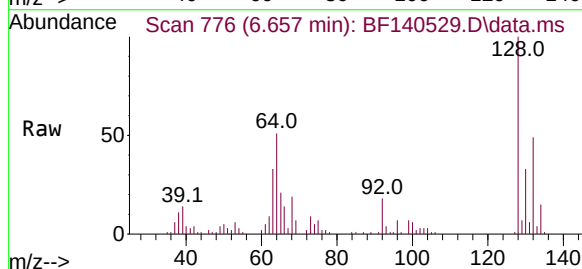
Tgt Ion:128 Resp: 36046

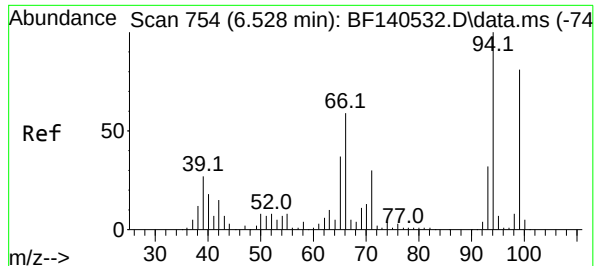
Ion Ratio Lower Upper

128 100

130 32.5 12.3 52.3

64 50.7 30.2 70.2

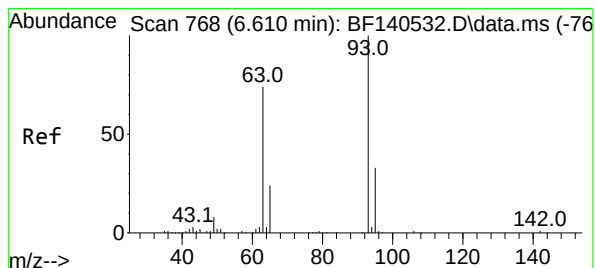
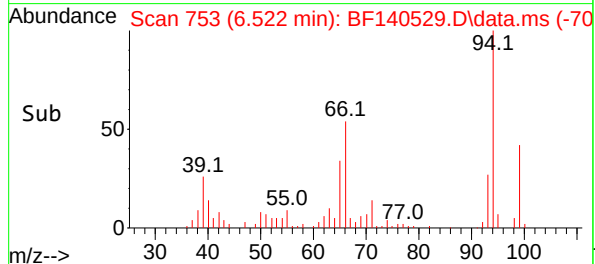
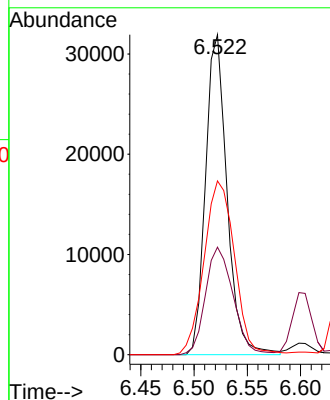
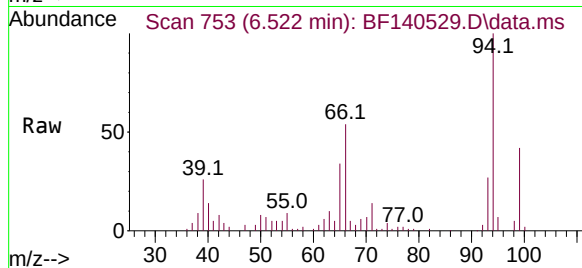




#10  
Phenol  
Concen: 5.443 ng  
RT: 6.522 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: BF140529.D  
Acq: 21 Nov 2024 11:39

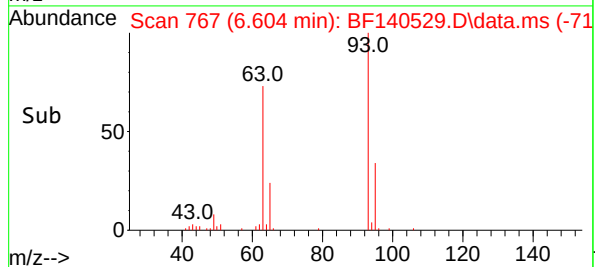
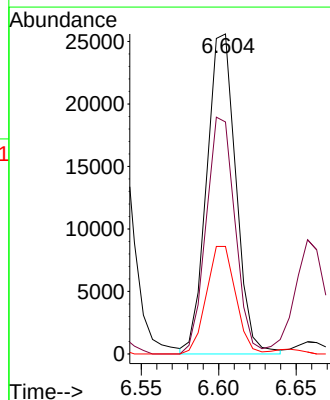
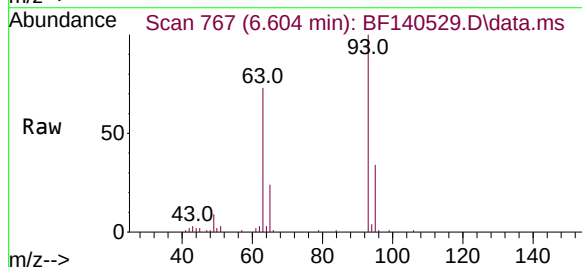
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC005

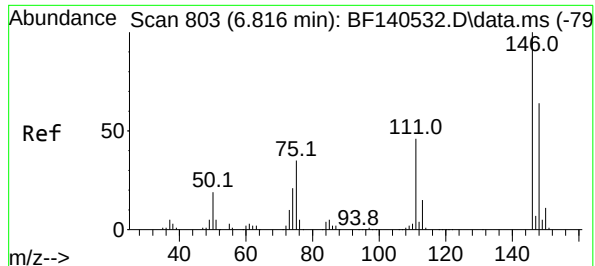
Tgt Ion: 94 Resp: 44852  
Ion Ratio Lower Upper  
94 100  
65 33.6 17.2 57.2  
66 54.3 39.2 79.2



#11  
bis(2-Chloroethyl)ether  
Concen: 5.333 ng  
RT: 6.604 min Scan# 767  
Delta R.T. -0.006 min  
Lab File: BF140529.D  
Acq: 21 Nov 2024 11:39

Tgt Ion: 93 Resp: 33630  
Ion Ratio Lower Upper  
93 100  
63 72.5 52.8 92.8  
95 33.6 12.3 52.3





#12

1,3-Dichlorobenzene

Concen: 5.644 ng

RT: 6.810 min Scan# 80

Delta R.T. -0.006 min

Lab File: BF140529.D

Acq: 21 Nov 2024 11:39

Instrument :

BNA\_F

ClientSampleId :

SSTDICC005

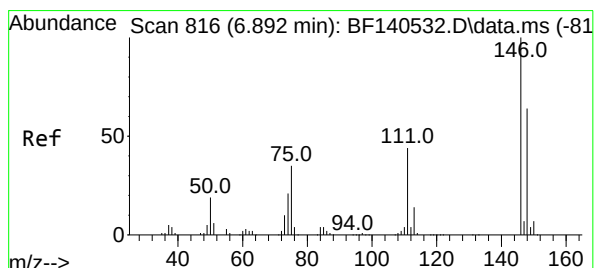
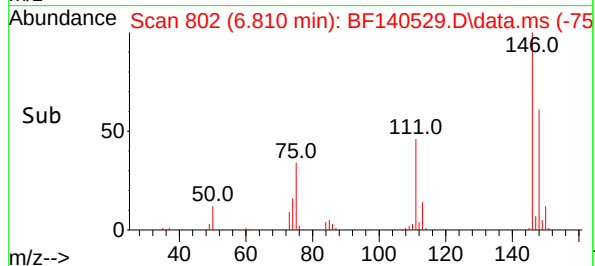
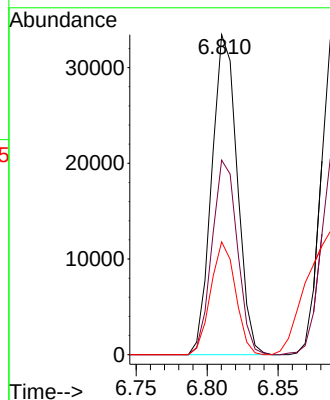
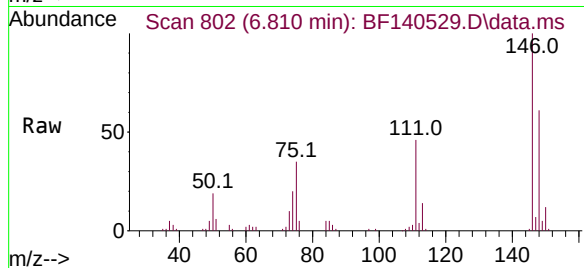
Tgt Ion:146 Resp: 41643

Ion Ratio Lower Upper

146 100

148 60.8 51.3 76.9

75 35.3 28.2 42.2



#13

1,4-Dichlorobenzene

Concen: 5.622 ng

RT: 6.887 min Scan# 815

Delta R.T. -0.006 min

Lab File: BF140529.D

Acq: 21 Nov 2024 11:39

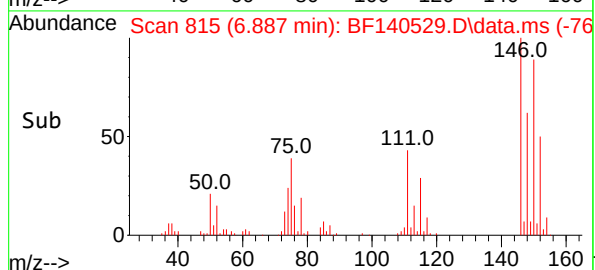
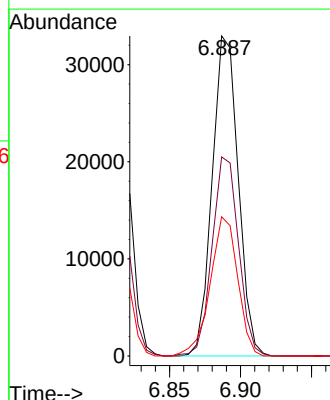
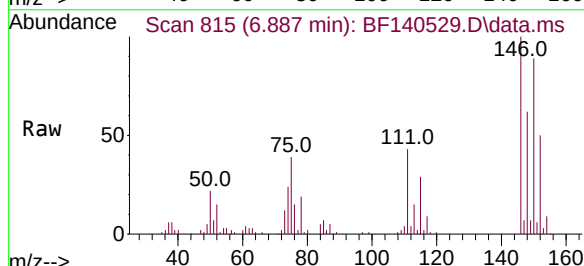
Tgt Ion:146 Resp: 42002

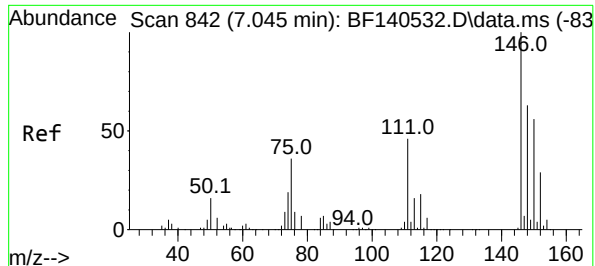
Ion Ratio Lower Upper

146 100

148 62.2 51.0 76.6

111 43.5 35.3 52.9





#14

1,2-Dichlorobenzene

Concen: 5.591 ng

RT: 7.040 min Scan# 84

Delta R.T. -0.006 min

Lab File: BF140529.D

Acq: 21 Nov 2024 11:39

Instrument :

BNA\_F

ClientSampleId :

SSTDICC005

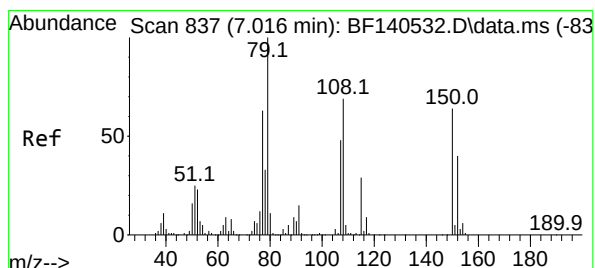
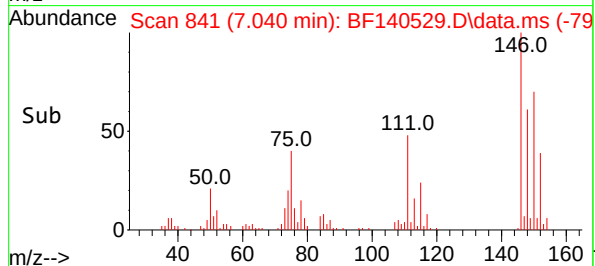
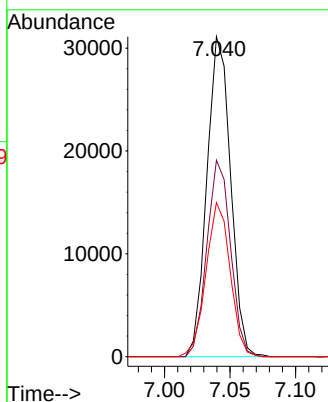
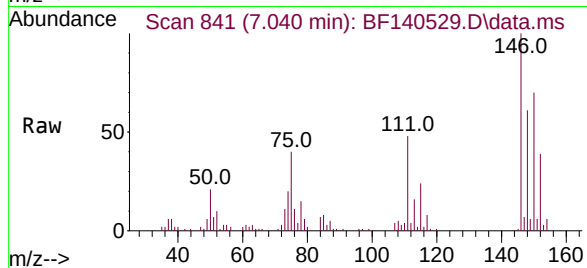
Tgt Ion:146 Resp: 39138

Ion Ratio Lower Upper

146 100

148 61.4 50.5 75.7

111 48.2 36.7 55.1



#15

Benzyl Alcohol

Concen: 5.367 ng

RT: 7.010 min Scan# 836

Delta R.T. -0.006 min

Lab File: BF140529.D

Acq: 21 Nov 2024 11:39

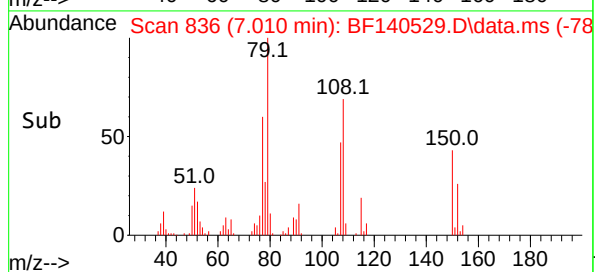
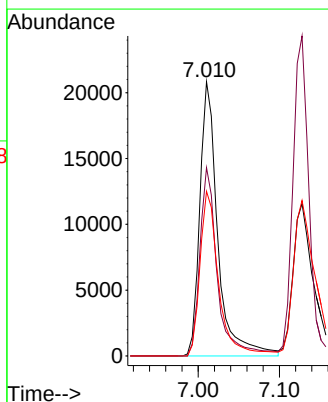
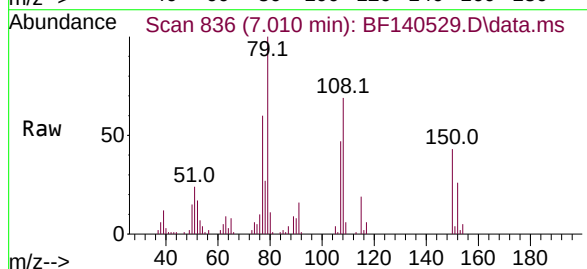
Tgt Ion: 79 Resp: 32114

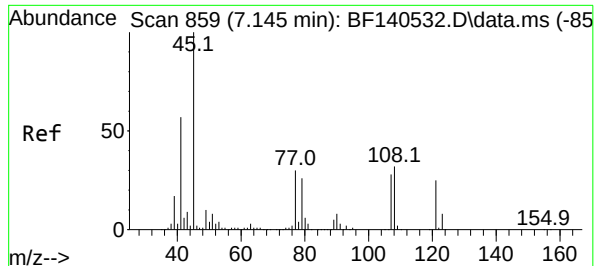
Ion Ratio Lower Upper

79 100

108 68.7 55.0 82.6

77 60.1 50.1 75.1

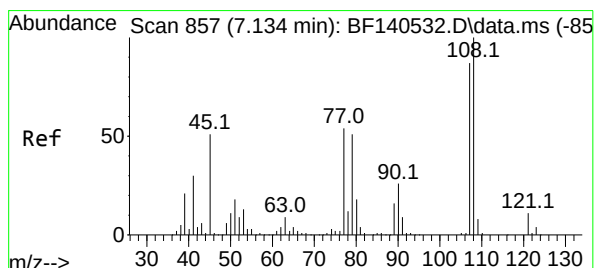
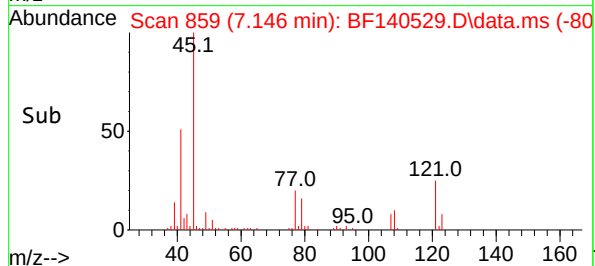
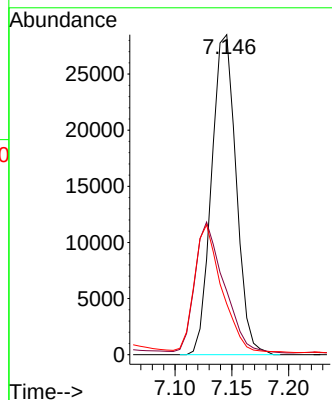
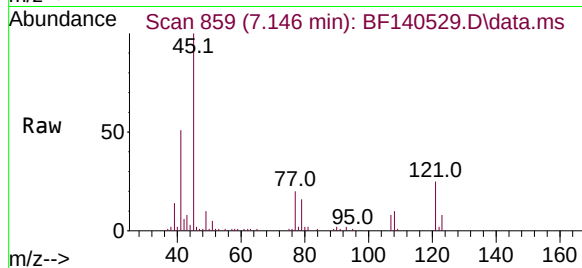




#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 5.765 ng  
RT: 7.146 min Scan# 859  
Delta R.T. 0.000 min  
Lab File: BF140529.D  
Acq: 21 Nov 2024 11:39

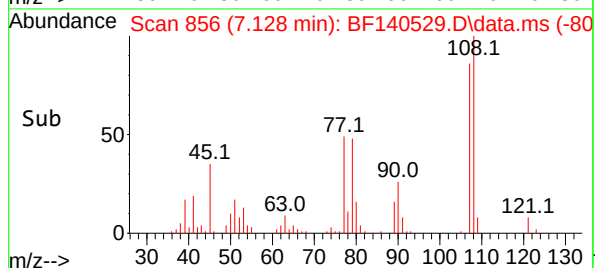
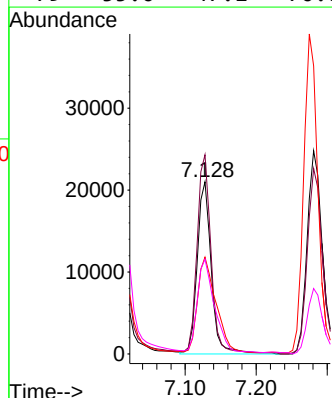
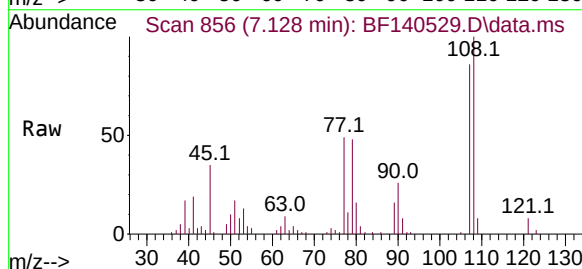
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC005

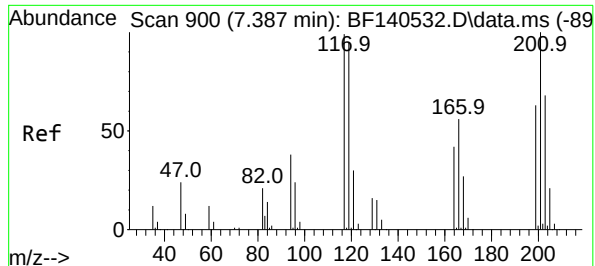
| Tgt Ion:  | 45    | Resp: | 42946 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 45        | 100   |       |       |
| 77        | 19.9  | 10.7  | 50.7  |
| 79        | 15.8  | 7.0   | 47.0  |



#17  
2-Methylphenol  
Concen: 5.553 ng  
RT: 7.128 min Scan# 856  
Delta R.T. -0.006 min  
Lab File: BF140529.D  
Acq: 21 Nov 2024 11:39

| Tgt Ion:  | 107   | Resp: | 29188 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 107       | 100   |       |       |
| 108       | 115.6 | 91.7  | 137.5 |
| 77        | 56.2  | 49.3  | 73.9  |
| 79        | 55.0  | 47.1  | 70.7  |





#18

Hexachloroethane

Concen: 5.577 ng

RT: 7.381 min Scan# 899

Delta R.T. -0.006 min

Lab File: BF140529.D

Acq: 21 Nov 2024 11:39

Instrument :

BNA\_F

ClientSampleId :

SSTDIC005

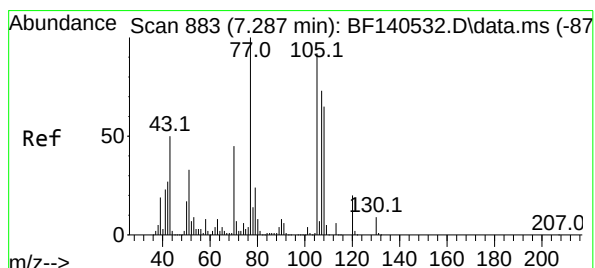
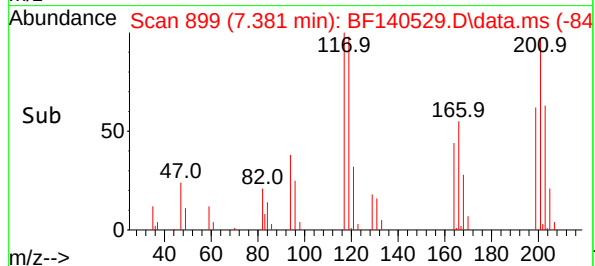
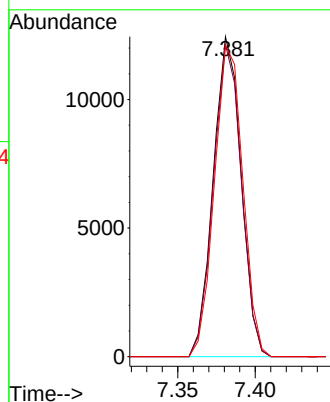
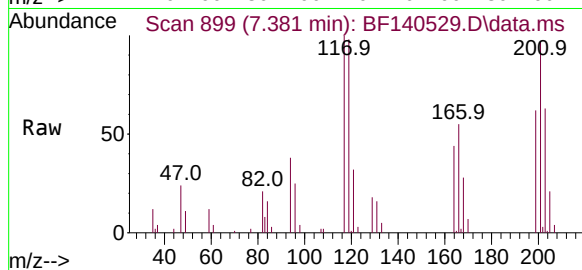
Tgt Ion:117 Resp: 15560

Ion Ratio Lower Upper

117 100

119 97.6 77.1 115.7

201 97.4 81.1 121.7



#19

n-Nitroso-di-n-propylamine

Concen: 5.470 ng

RT: 7.275 min Scan# 881

Delta R.T. -0.012 min

Lab File: BF140529.D

Acq: 21 Nov 2024 11:39

Tgt Ion: 70 Resp: 26085

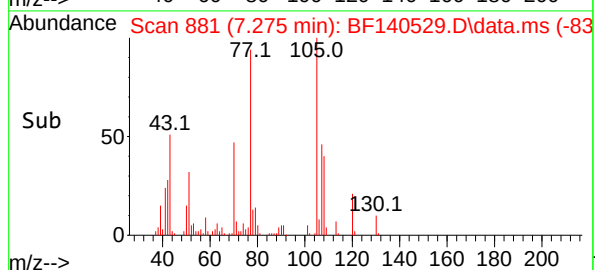
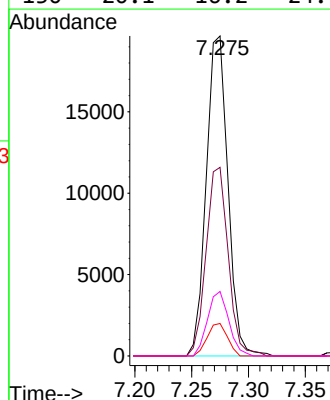
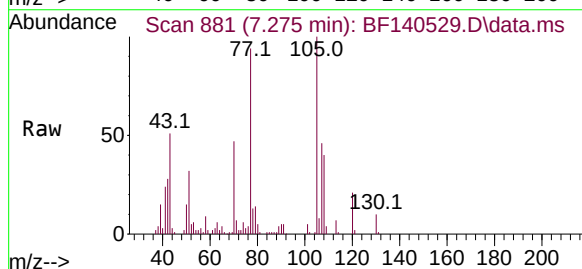
Ion Ratio Lower Upper

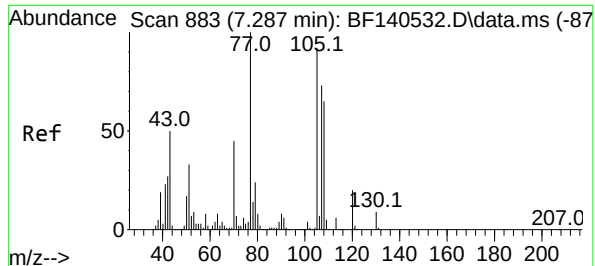
70 100

42 58.9 47.6 71.4

101 10.2 7.6 11.4

130 20.1 16.2 24.4

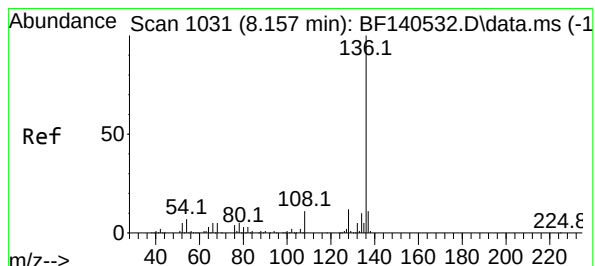
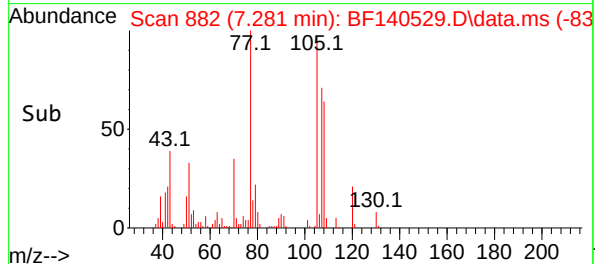
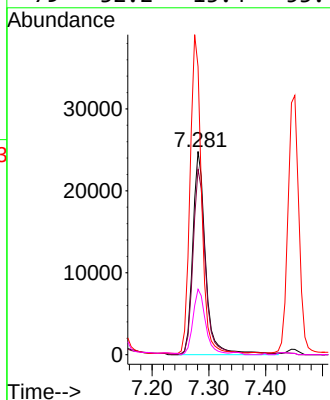
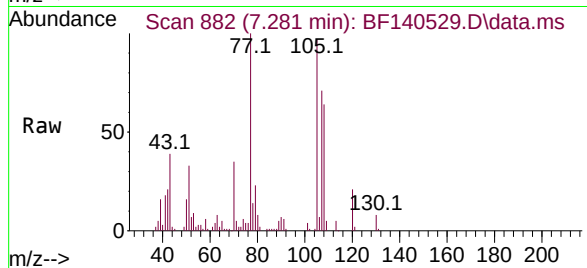




#20  
3+4-Methylphenols  
Concen: 5.760 ng  
RT: 7.281 min Scan# 81  
Delta R.T. -0.006 min  
Lab File: BF140529.D  
Acq: 21 Nov 2024 11:39

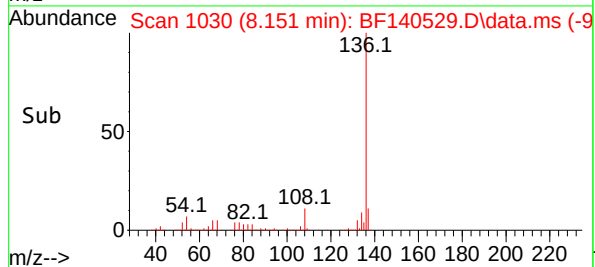
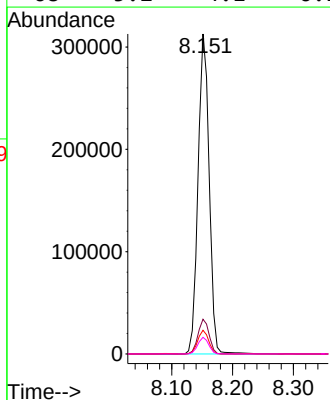
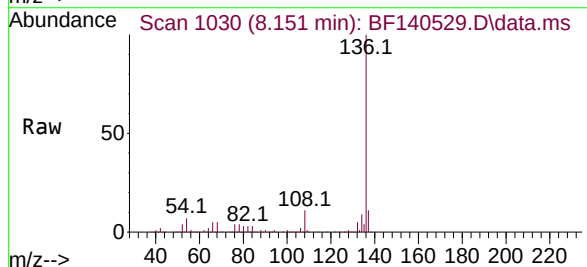
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC005

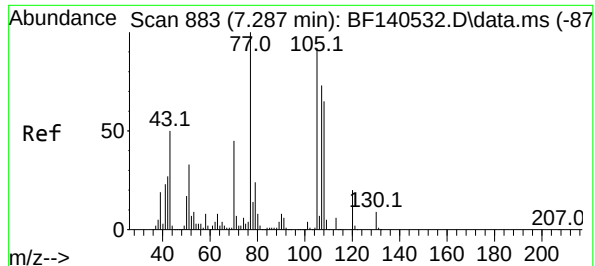
Tgt Ion:107 Resp: 38915  
Ion Ratio Lower Upper  
107 100  
108 91.2 69.9 109.9  
77 141.7 117.7 157.7  
79 32.2 13.4 53.4



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.151 min Scan# 1030  
Delta R.T. -0.006 min  
Lab File: BF140529.D  
Acq: 21 Nov 2024 11:39

Tgt Ion:136 Resp: 395935  
Ion Ratio Lower Upper  
136 100  
137 10.9 8.6 13.0  
54 7.4 5.8 8.8  
68 5.2 4.1 6.1





#22

Acetophenone

Concen: 5.492 ng

RT: 7.275 min Scan# 881

Delta R.T. -0.012 min

Lab File: BF140529.D

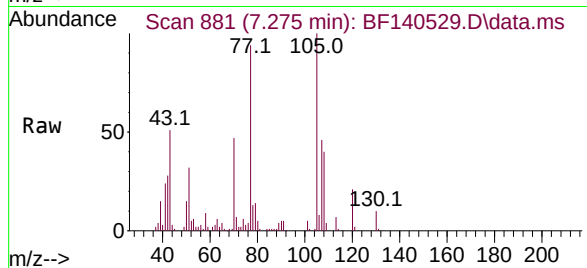
Acq: 21 Nov 2024 11:39

Instrument :

BNA\_F

ClientSampleId :

SSTDICC005



Tgt Ion:105 Resp: 53017

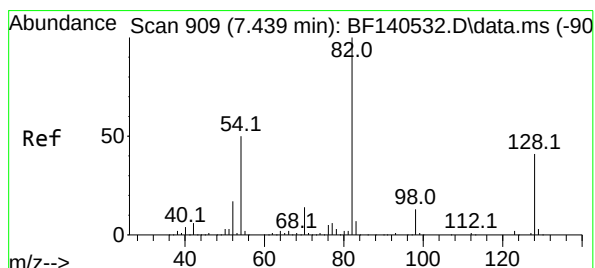
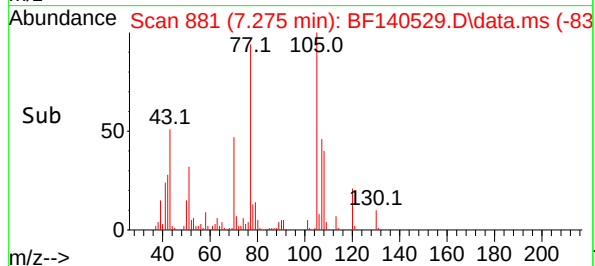
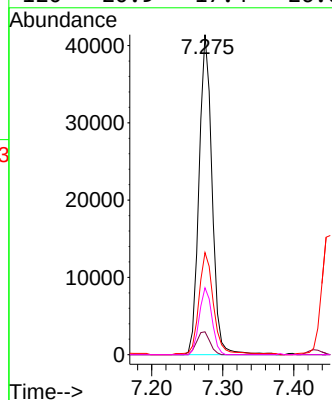
Ion Ratio Lower Upper

105 100

71 7.2 6.2 9.2

51 31.9 29.0 43.6

120 20.9 17.4 26.0



#23

Nitrobenzene-d5

Concen: 10.457 ng

RT: 7.428 min Scan# 907

Delta R.T. -0.012 min

Lab File: BF140529.D

Acq: 21 Nov 2024 11:39

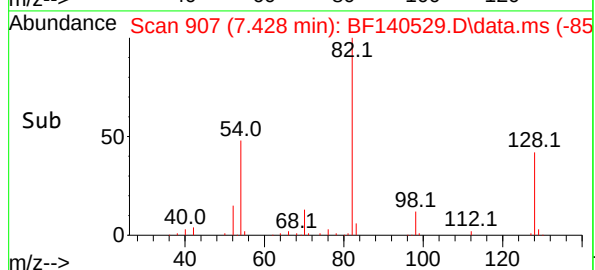
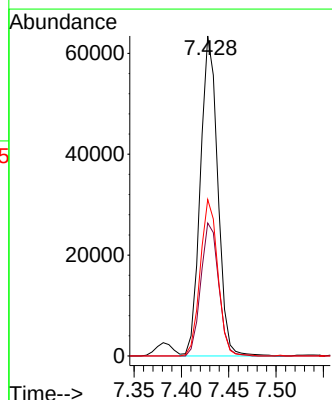
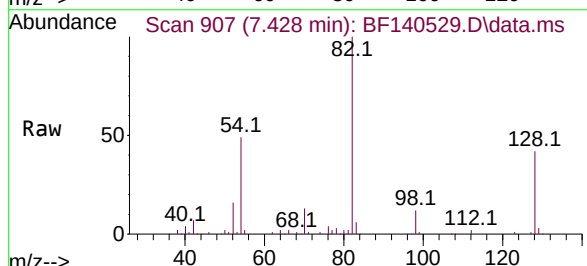
Tgt Ion: 82 Resp: 80941

Ion Ratio Lower Upper

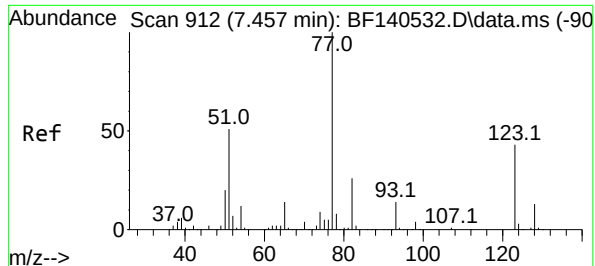
82 100

128 41.6 33.0 49.4

54 48.9 39.5 59.3



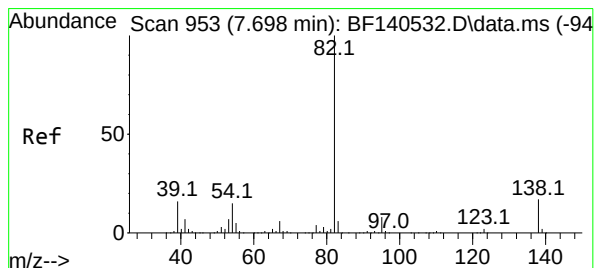
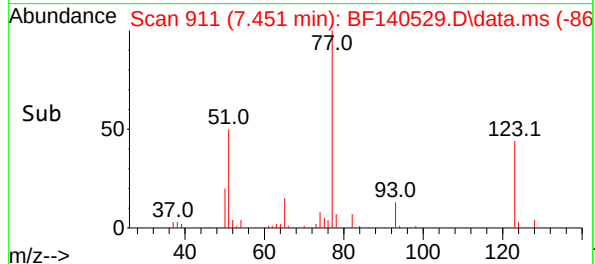
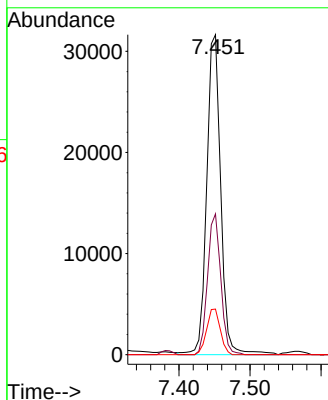
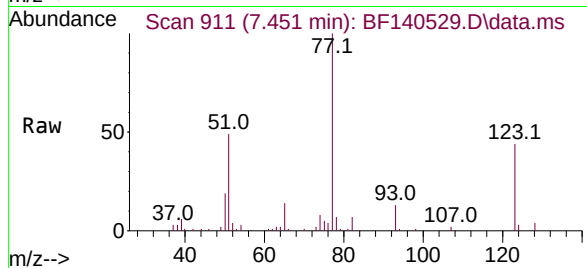




#24  
Nitrobenzene  
Concen: 5.432 ng  
RT: 7.451 min Scan# 911  
Delta R.T. -0.006 min  
Lab File: BF140529.D  
Acq: 21 Nov 2024 11:39

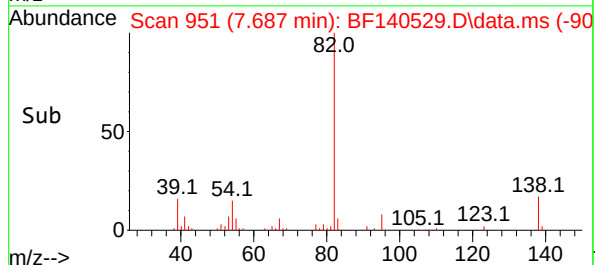
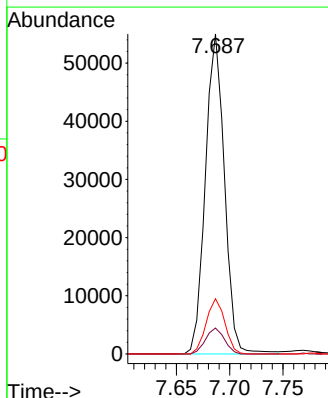
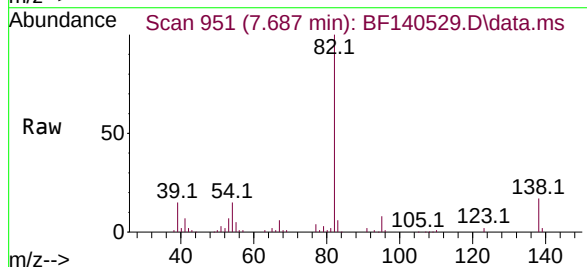
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC005

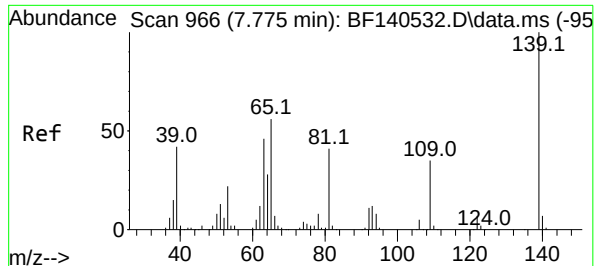
Tgt Ion: 77 Resp: 43460  
Ion Ratio Lower Upper  
77 100  
123 44.0 34.3 51.5  
65 14.3 11.2 16.8



#25  
Isophorone  
Concen: 5.321 ng  
RT: 7.687 min Scan# 951  
Delta R.T. -0.012 min  
Lab File: BF140529.D  
Acq: 21 Nov 2024 11:39

Tgt Ion: 82 Resp: 68701  
Ion Ratio Lower Upper  
82 100  
95 8.1 6.4 9.6  
138 17.2 13.8 20.6





#26

2-Nitrophenol

Concen: 4.964 ng

RT: 7.769 min Scan# 90

Delta R.T. -0.006 min

Lab File: BF140529.D

Acq: 21 Nov 2024 11:39

Instrument :

BNA\_F

ClientSampleId :

SSTDICC005

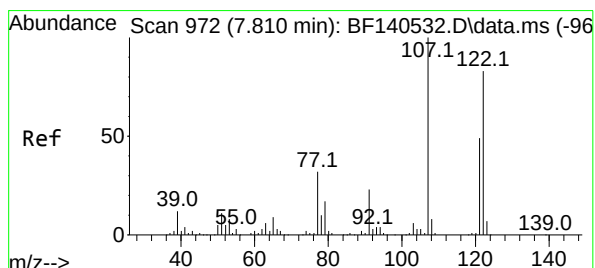
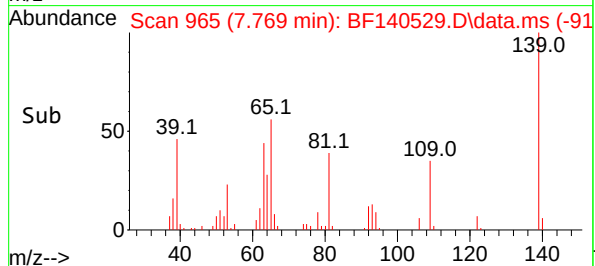
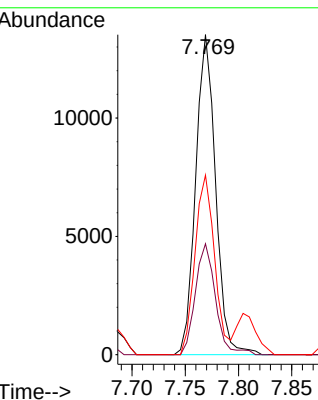
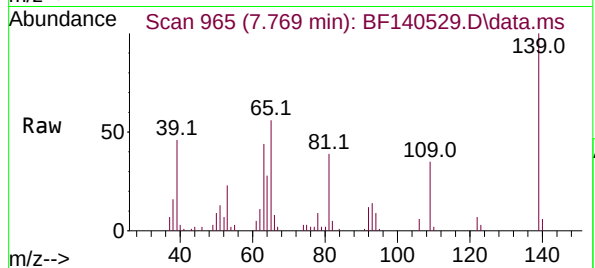
Tgt Ion:139 Resp: 17600

Ion Ratio Lower Upper

139 100

109 34.7 28.0 42.0

65 56.1 44.6 67.0



#27

2,4-Dimethylphenol

Concen: 5.149 ng

RT: 7.804 min Scan# 971

Delta R.T. -0.006 min

Lab File: BF140529.D

Acq: 21 Nov 2024 11:39

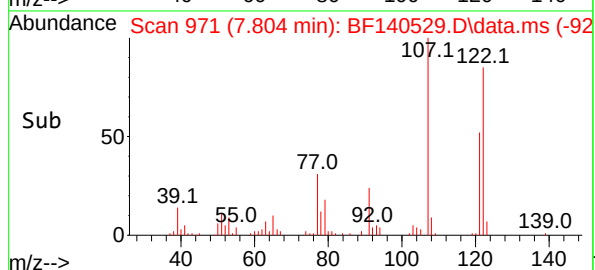
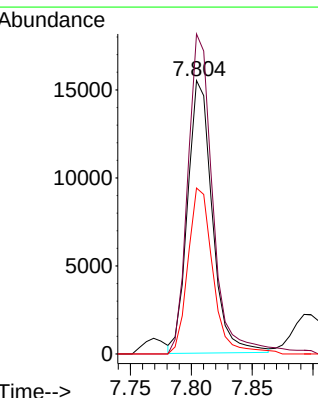
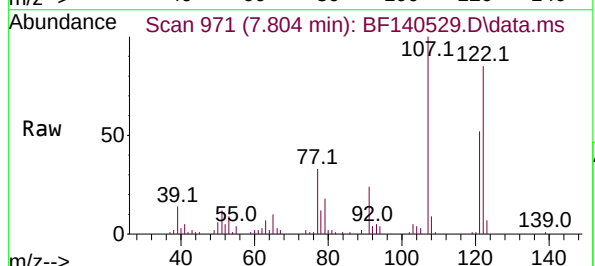
Tgt Ion:122 Resp: 21843

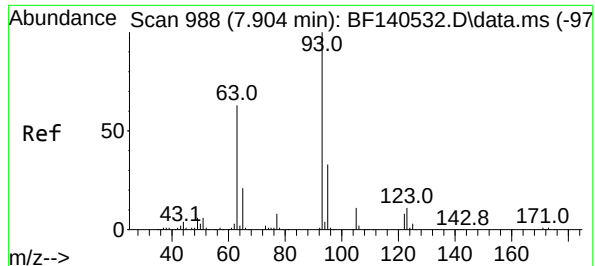
Ion Ratio Lower Upper

122 100

107 117.0 96.8 145.2

121 60.7 47.4 71.0

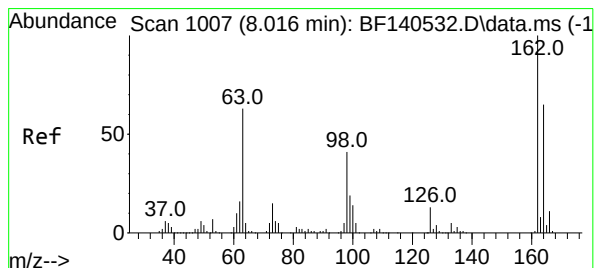
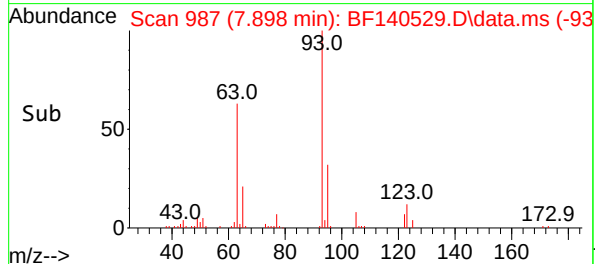
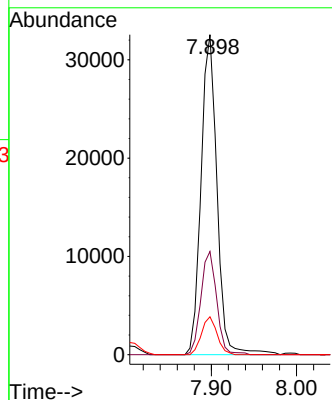
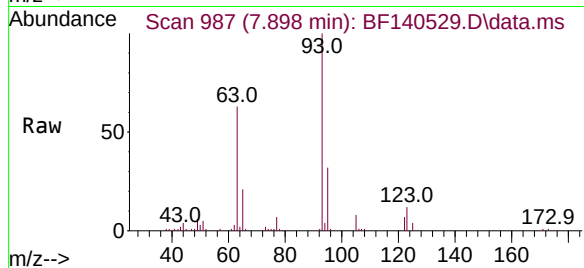




#28  
bis(2-Chloroethoxy)methane  
Concen: 5.383 ng  
RT: 7.898 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: BF140529.D  
Acq: 21 Nov 2024 11:39

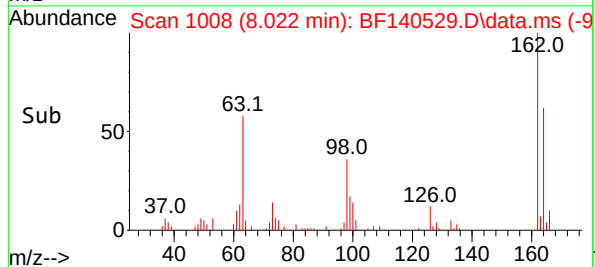
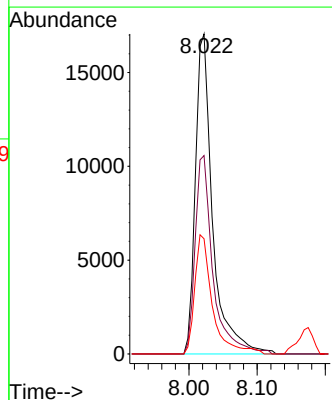
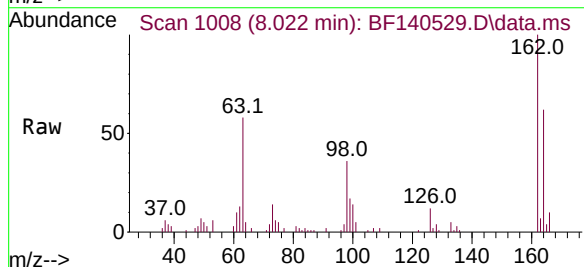
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC005

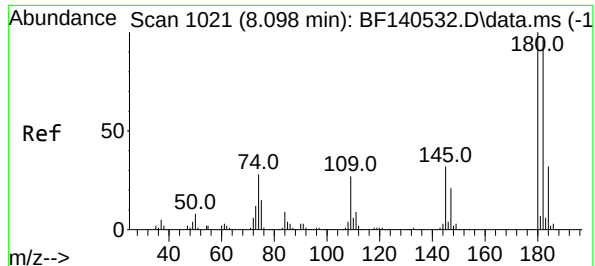
Tgt Ion: 93 Resp: 42337  
Ion Ratio Lower Upper  
93 100  
95 32.2 26.1 39.1  
123 11.9 9.1 13.7



#29  
2,4-Dichlorophenol  
Concen: 5.305 ng  
RT: 8.022 min Scan# 1008  
Delta R.T. 0.006 min  
Lab File: BF140529.D  
Acq: 21 Nov 2024 11:39

Tgt Ion:162 Resp: 29819  
Ion Ratio Lower Upper  
162 100  
164 62.0 44.8 84.8  
98 36.0 21.2 61.2





#30

1,2,4-Trichlorobenzene

Concen: 5.280 ng

RT: 8.092 min Scan# 1020

Delta R.T. -0.006 min

Lab File: BF140529.D

Acq: 21 Nov 2024 11:39

Instrument :

BNA\_F

ClientSampleId :

SSTDICC005

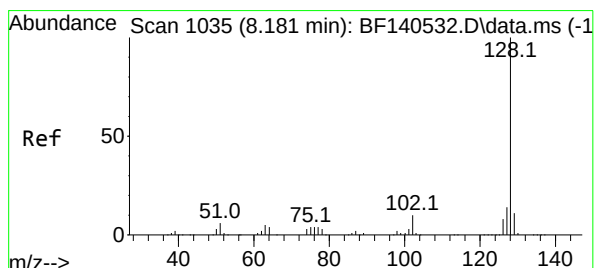
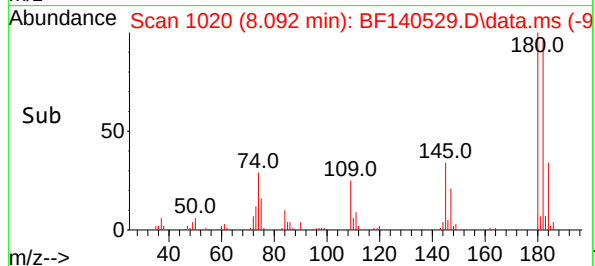
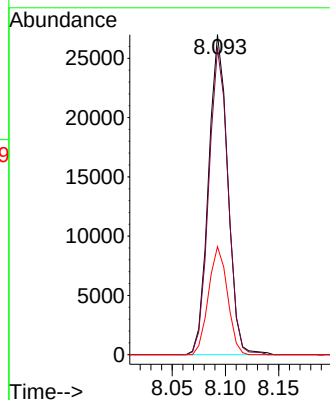
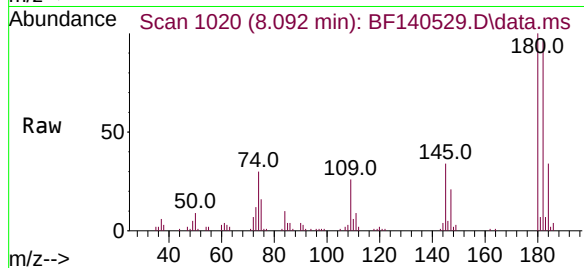
Tgt Ion:180 Resp: 33886

Ion Ratio Lower Upper

180 100

182 95.7 76.4 114.6

145 33.8 25.9 38.9



#31

Naphthalene

Concen: 5.418 ng

RT: 8.175 min Scan# 1034

Delta R.T. -0.006 min

Lab File: BF140529.D

Acq: 21 Nov 2024 11:39

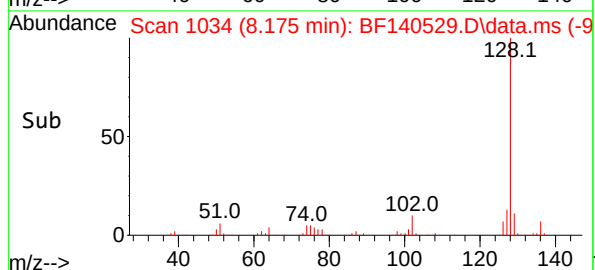
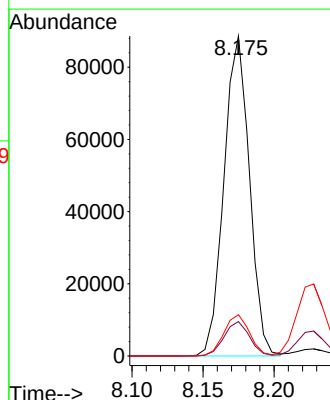
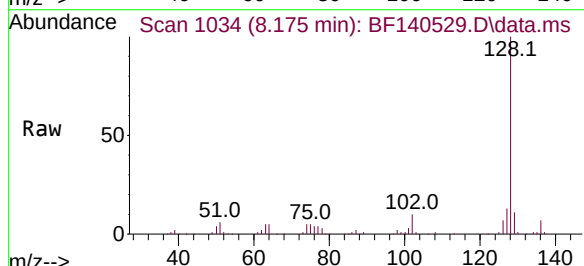
Tgt Ion:128 Resp: 110501

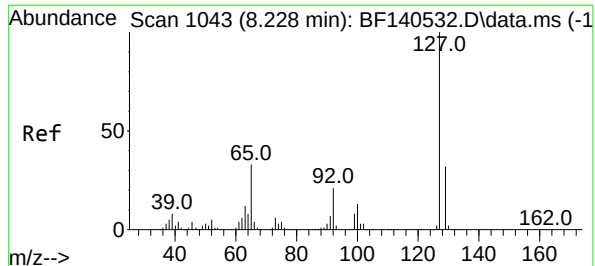
Ion Ratio Lower Upper

128 100

129 10.7 8.6 13.0

127 12.9 10.8 16.2

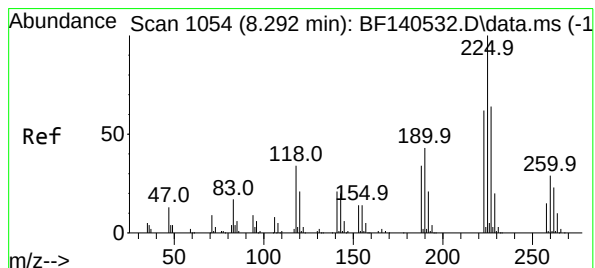
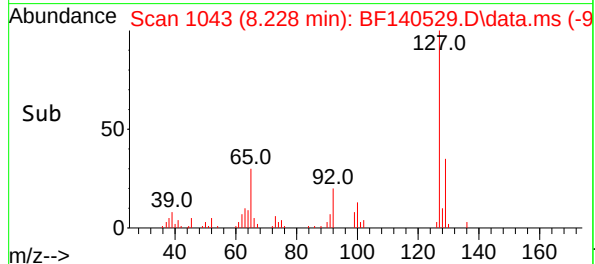
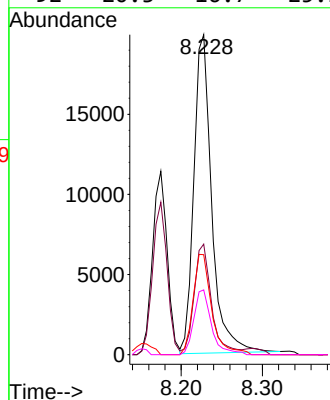
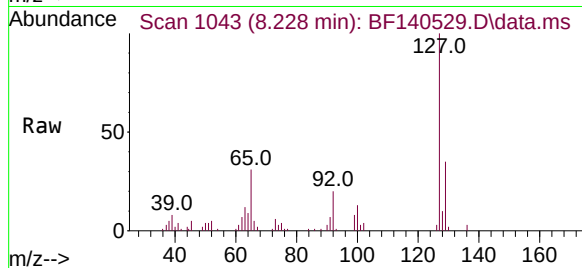




#33  
4-Chloroaniline  
Concen: 4.985 ng  
RT: 8.228 min Scan# 1043  
Delta R.T. 0.000 min  
Lab File: BF140529.D  
Acq: 21 Nov 2024 11:39

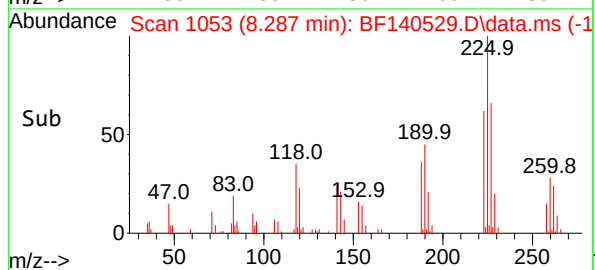
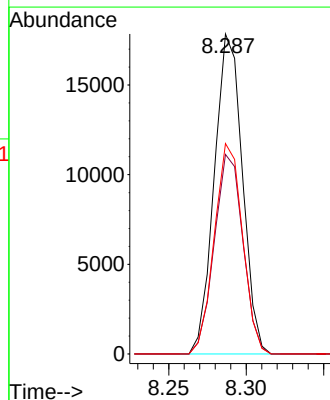
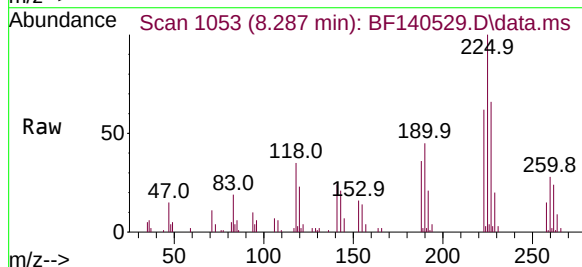
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC005

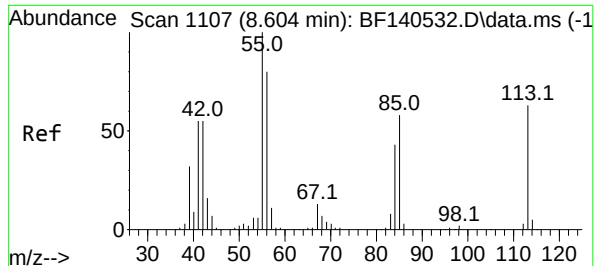
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 127   | Resp: | 30440 |
| Ion      | Ratio | Lower | Upper |
| 127      | 100   |       |       |
| 129      | 34.5  | 26.0  | 39.0  |
| 65       | 31.3  | 26.0  | 39.0  |
| 92       | 20.3  | 16.7  | 25.1  |



#34  
Hexachlorobutadiene  
Concen: 5.280 ng  
RT: 8.287 min Scan# 1053  
Delta R.T. -0.006 min  
Lab File: BF140529.D  
Acq: 21 Nov 2024 11:39

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 225   | Resp: | 22446 |
| Ion      | Ratio | Lower | Upper |
| 225      | 100   |       |       |
| 223      | 62.3  | 49.8  | 74.8  |
| 227      | 65.7  | 51.3  | 76.9  |

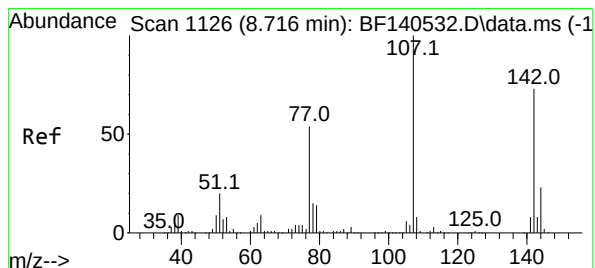
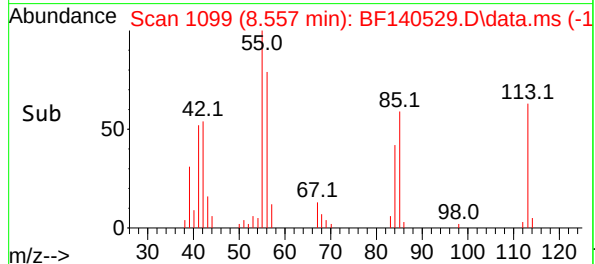
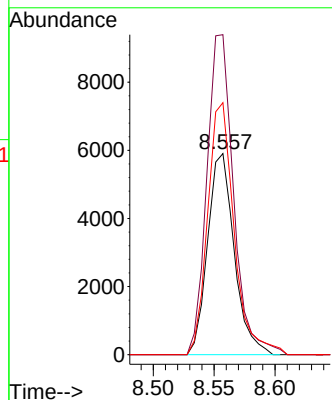
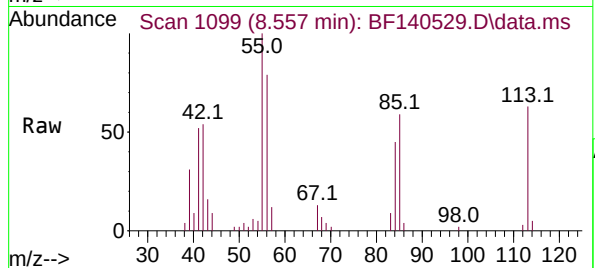




#35  
Caprolactam  
Concen: 5.165 ng  
RT: 8.557 min Scan# 1099  
Delta R.T. -0.047 min  
Lab File: BF140529.D  
Acq: 21 Nov 2024 11:39

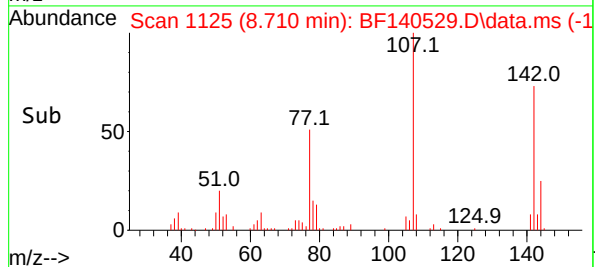
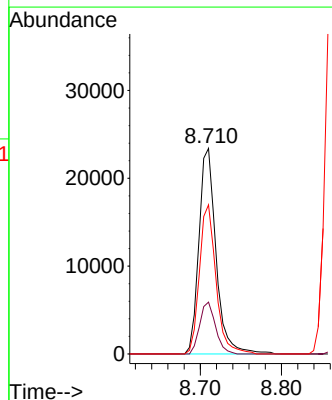
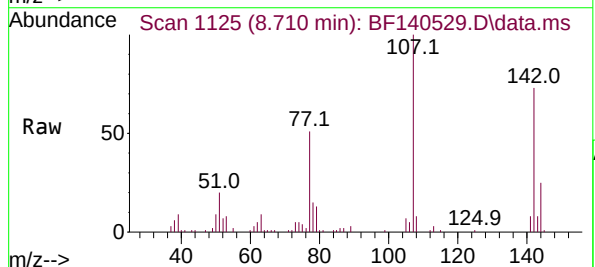
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC005

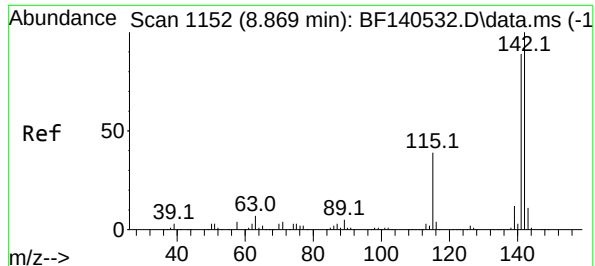
Tgt Ion:113 Resp: 8985  
Ion Ratio Lower Upper  
113 100  
55 159.1 137.7 177.7  
56 125.3 106.4 146.4



#36  
4-Chloro-3-methylphenol  
Concen: 5.467 ng  
RT: 8.710 min Scan# 1125  
Delta R.T. -0.006 min  
Lab File: BF140529.D  
Acq: 21 Nov 2024 11:39

Tgt Ion:107 Resp: 34404  
Ion Ratio Lower Upper  
107 100  
144 25.2 18.7 28.1  
142 72.6 58.3 87.5

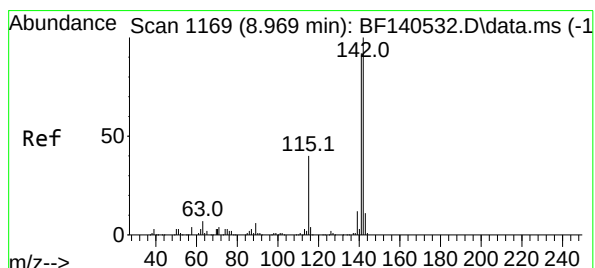
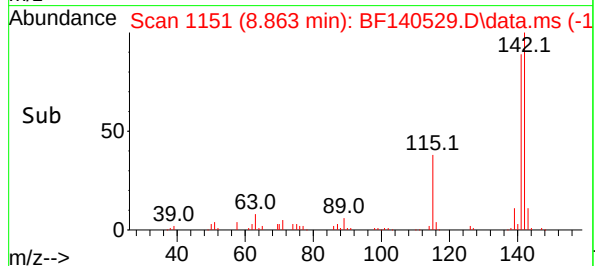
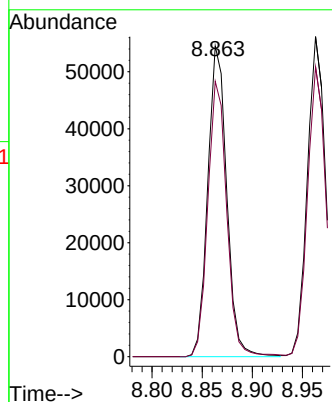
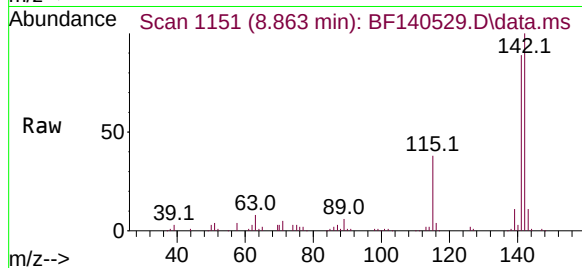




#37  
2-Methylnaphthalene  
Concen: 5.536 ng  
RT: 8.863 min Scan# 1151  
Delta R.T. -0.006 min  
Lab File: BF140529.D  
Acq: 21 Nov 2024 11:39

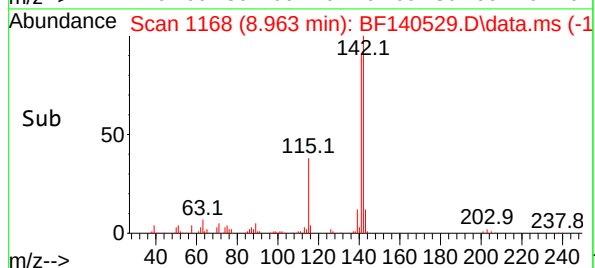
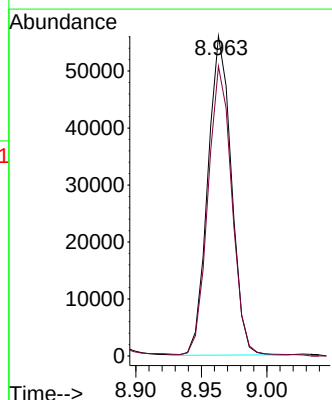
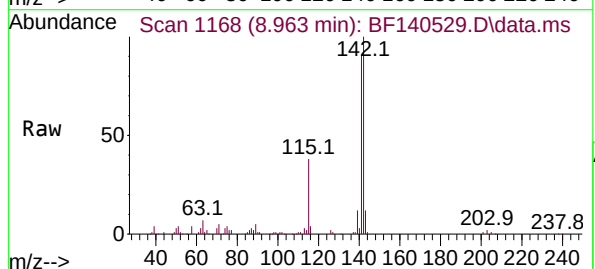
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC005

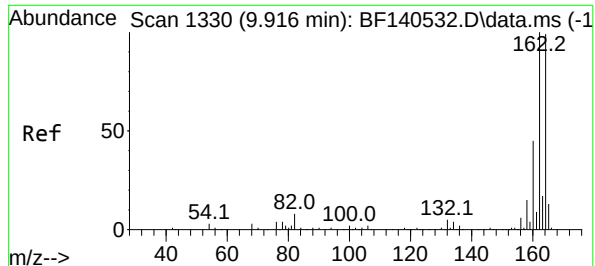
Tgt Ion:142 Resp: 71706  
Ion Ratio Lower Upper  
142 100  
141 88.6 71.0 106.6



#38  
1-Methylnaphthalene  
Concen: 5.510 ng  
RT: 8.963 min Scan# 1168  
Delta R.T. -0.006 min  
Lab File: BF140529.D  
Acq: 21 Nov 2024 11:39

Tgt Ion:142 Resp: 69955  
Ion Ratio Lower Upper  
142 100  
141 90.5 73.3 109.9





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.910 min Scan# 1180

Delta R.T. -0.006 min

Lab File: BF140529.D

Acq: 21 Nov 2024 11:39

Instrument :

BNA\_F

ClientSampleId :

SSTDICC005

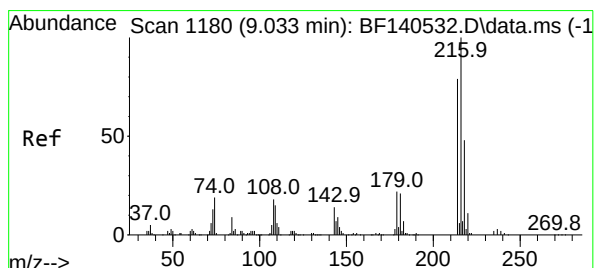
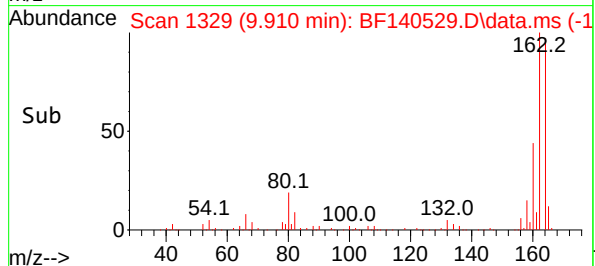
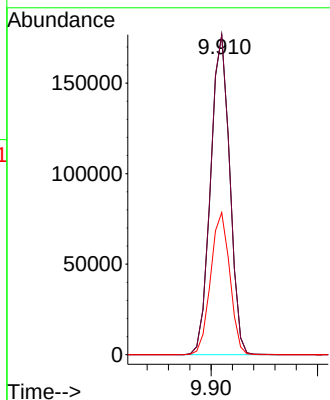
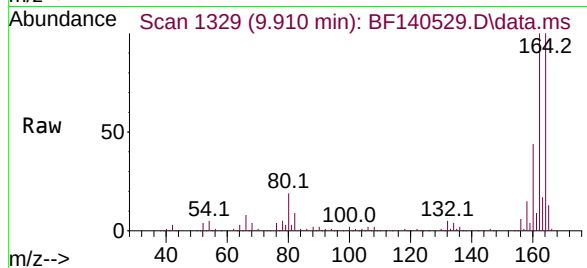
Tgt Ion:164 Resp: 219293

Ion Ratio Lower Upper

164 100

162 99.9 80.6 120.8

160 44.4 36.2 54.4



#40

1,2,4,5-Tetrachlorobenzene

Concen: 5.426 ng

RT: 9.034 min Scan# 1180

Delta R.T. 0.000 min

Lab File: BF140529.D

Acq: 21 Nov 2024 11:39

Tgt Ion:216 Resp: 34836

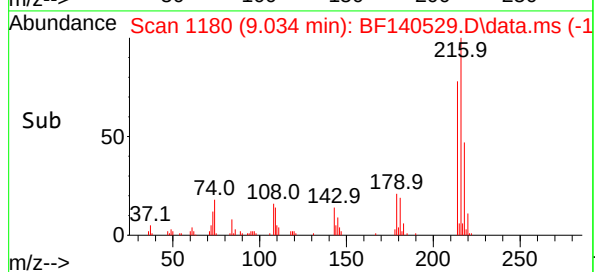
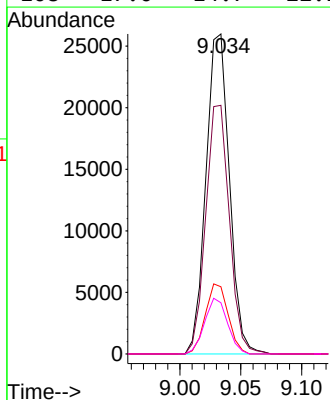
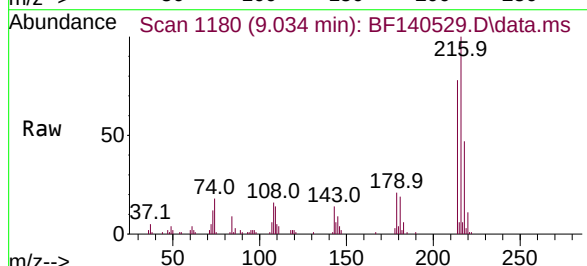
Ion Ratio Lower Upper

216 100

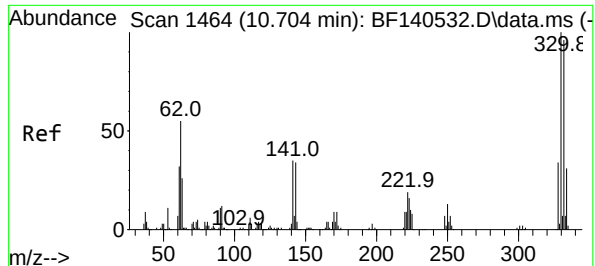
214 78.2 63.0 94.4

179 21.3 17.5 26.3

108 17.0 14.7 22.1







#42

2,4,6-Tribromophenol

Concen: 10.379 ng

RT: 10.698 min Scan# 1199

Delta R.T. -0.006 min

Lab File: BF140529.D

Acq: 21 Nov 2024 11:39

Instrument :

BNA\_F

ClientSampleId :

SSTDICC005

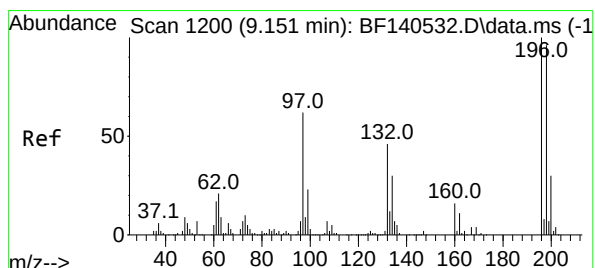
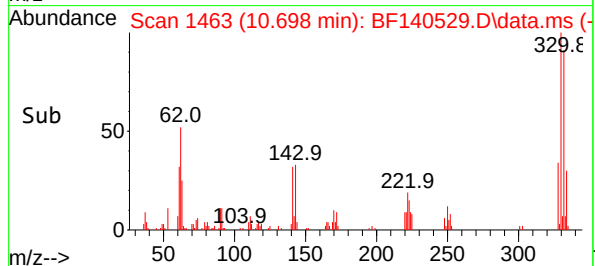
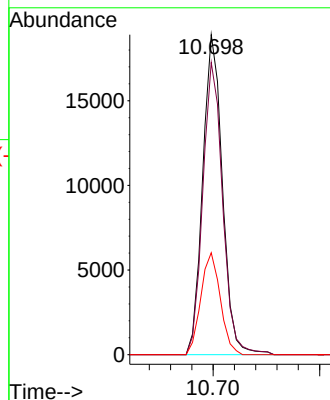
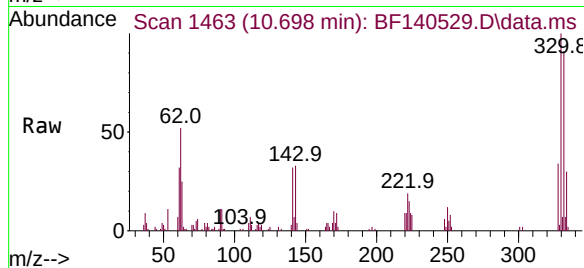
Tgt Ion:330 Resp: 24342

Ion Ratio Lower Upper

330 100

332 91.8 76.9 115.3

141 31.5 26.7 40.1



#43

2,4,6-Trichlorophenol

Concen: 5.224 ng

RT: 9.145 min Scan# 1199

Delta R.T. -0.006 min

Lab File: BF140529.D

Acq: 21 Nov 2024 11:39

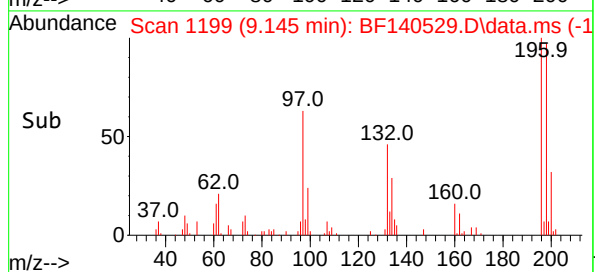
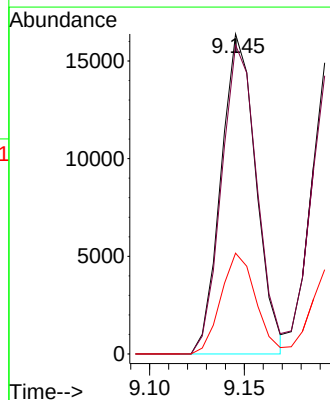
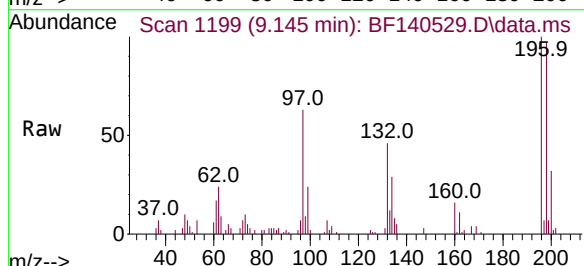
Tgt Ion:196 Resp: 21046

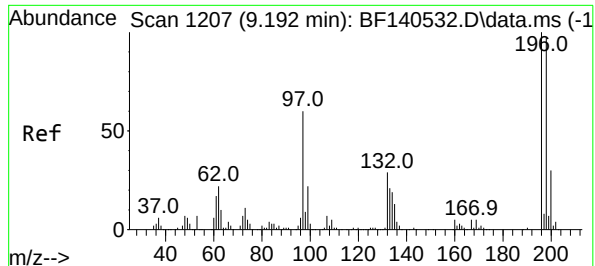
Ion Ratio Lower Upper

196 100

198 96.6 76.8 115.2

200 31.5 24.3 36.5

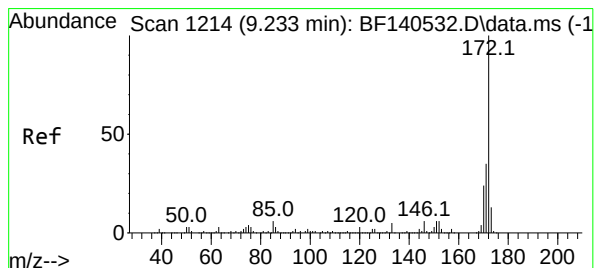
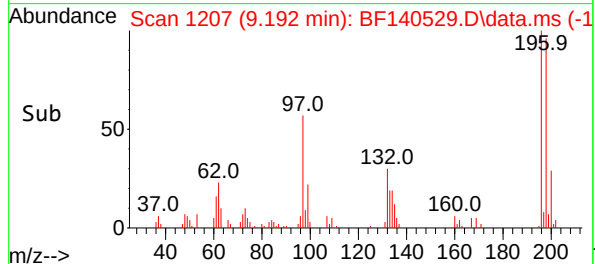
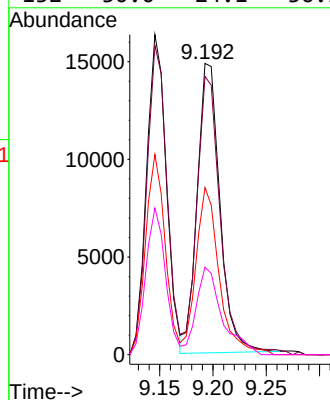
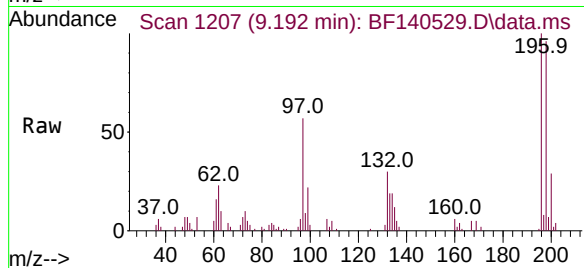




#44  
2,4,5-Trichlorophenol  
Concen: 5.046 ng  
RT: 9.192 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BF140529.D  
Acq: 21 Nov 2024 11:39

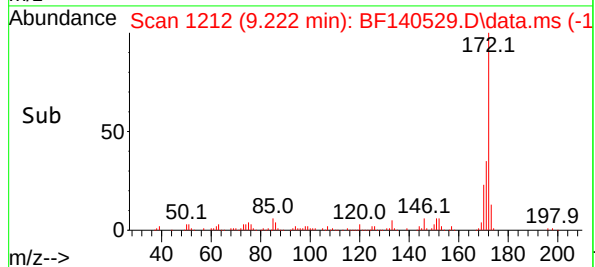
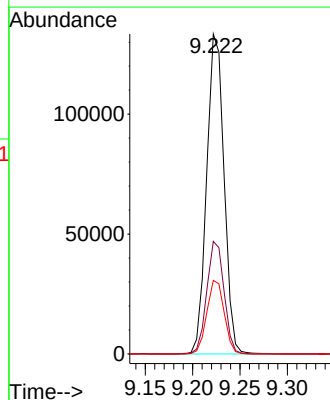
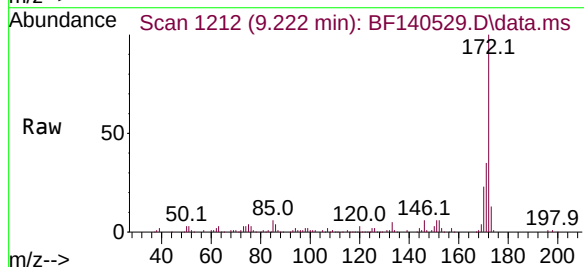
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC005

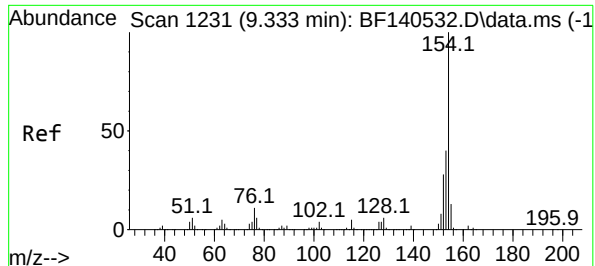
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 196     | 100  |       |       |
| 198     | 95.5 | 77.2  | 115.8 |
| 97      | 57.4 | 47.1  | 70.7  |
| 132     | 30.0 | 24.1  | 36.1  |



#45  
2-Fluorobiphenyl  
Concen: 11.550 ng  
RT: 9.222 min Scan# 1212  
Delta R.T. -0.012 min  
Lab File: BF140529.D  
Acq: 21 Nov 2024 11:39

| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 172     | 100  |       |       |
| 171     | 35.2 | 28.4  | 42.6  |
| 170     | 23.0 | 19.0  | 28.6  |

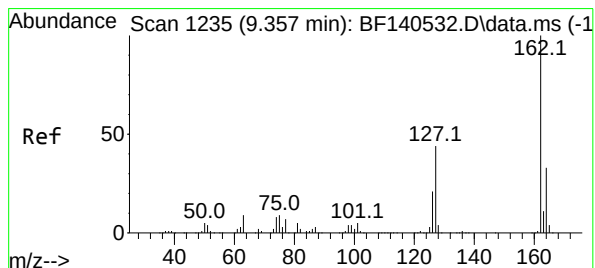
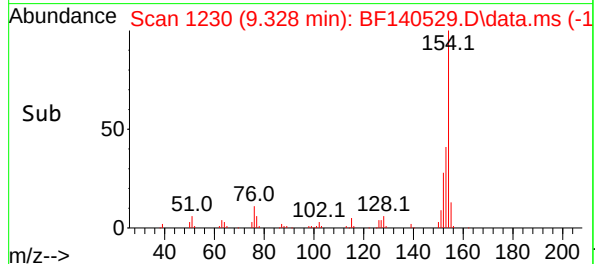
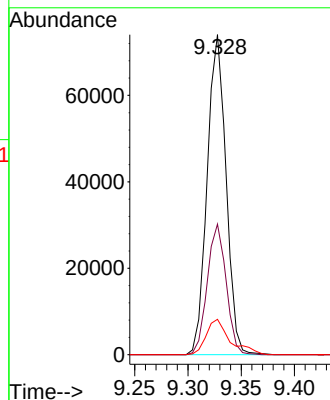
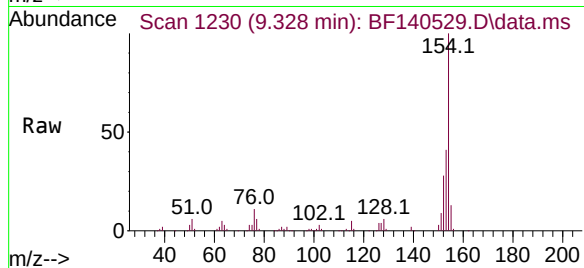




#46  
1,1'-Biphenyl  
Concen: 5.579 ng  
RT: 9.328 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF140529.D  
Acq: 21 Nov 2024 11:39

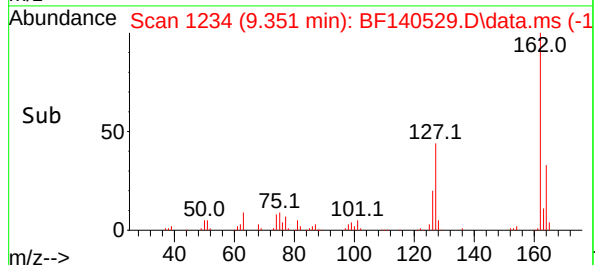
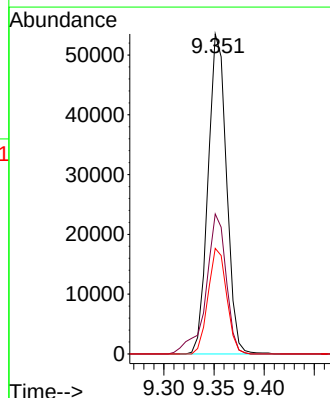
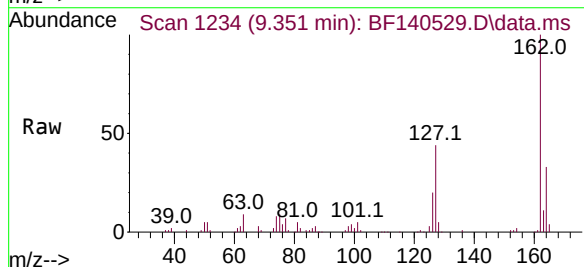
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC005

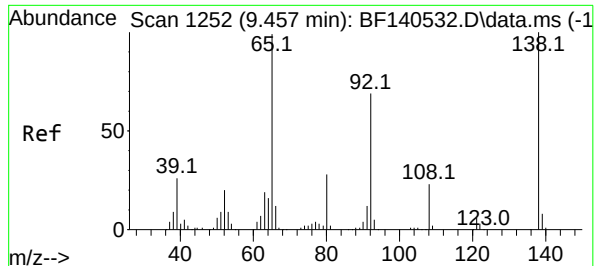
Tgt Ion:154 Resp: 91336  
Ion Ratio Lower Upper  
154 100  
153 40.8 20.4 60.4  
76 11.0 0.0 31.2



#47  
2-Chloronaphthalene  
Concen: 5.526 ng  
RT: 9.351 min Scan# 1234  
Delta R.T. -0.006 min  
Lab File: BF140529.D  
Acq: 21 Nov 2024 11:39

Tgt Ion:162 Resp: 68559  
Ion Ratio Lower Upper  
162 100  
127 43.8 35.7 53.5  
164 33.0 26.1 39.1

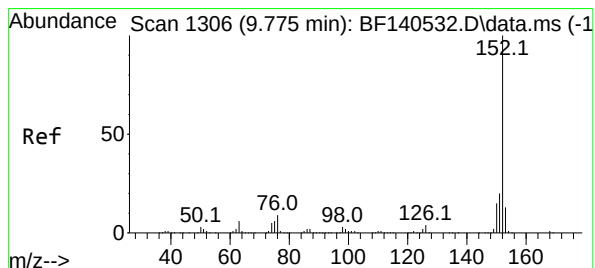
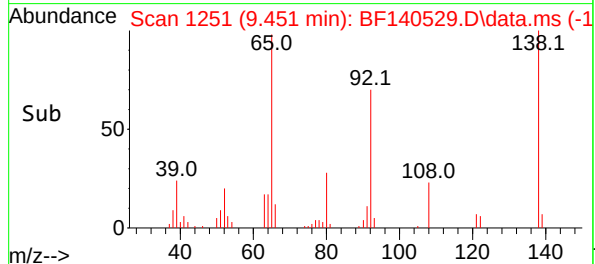
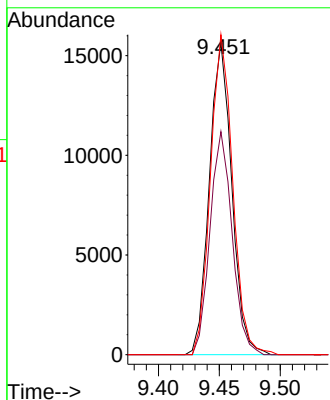
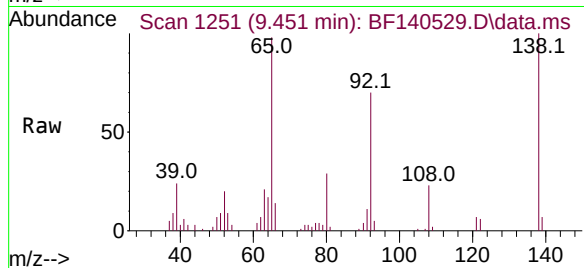




#48  
2-Nitroaniline  
Concen: 5.050 ng  
RT: 9.451 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF140529.D  
Acq: 21 Nov 2024 11:39

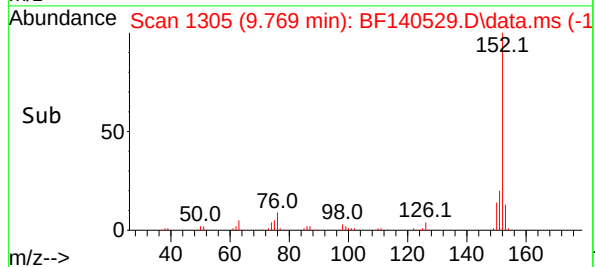
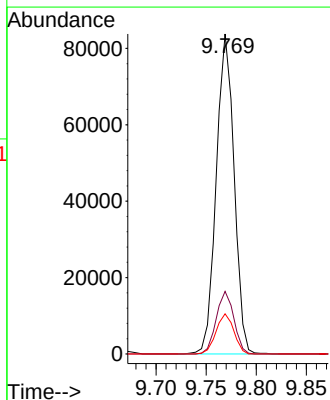
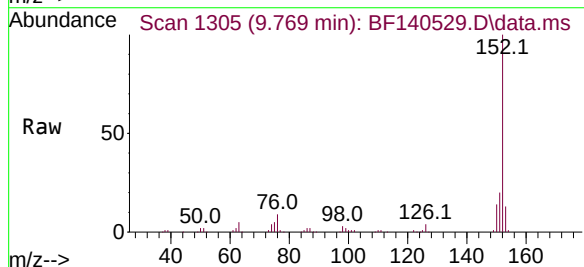
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC005

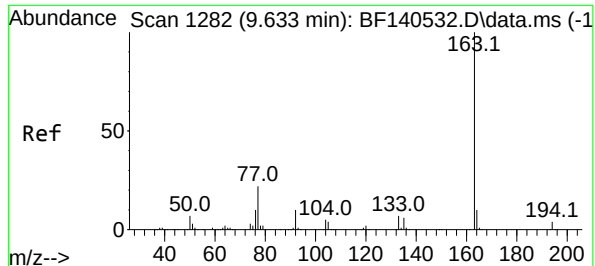
Tgt Ion: 65 Resp: 20109  
Ion Ratio Lower Upper  
65 100  
92 71.4 56.1 84.1  
138 102.5 81.0 121.6



#49  
Acenaphthylene  
Concen: 5.527 ng  
RT: 9.769 min Scan# 1305  
Delta R.T. -0.006 min  
Lab File: BF140529.D  
Acq: 21 Nov 2024 11:39

Tgt Ion: 152 Resp: 103605  
Ion Ratio Lower Upper  
152 100  
151 19.5 15.9 23.9  
153 12.6 10.6 16.0

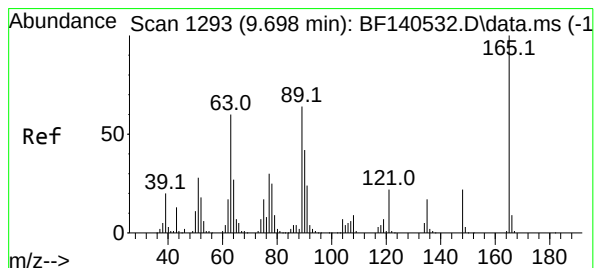
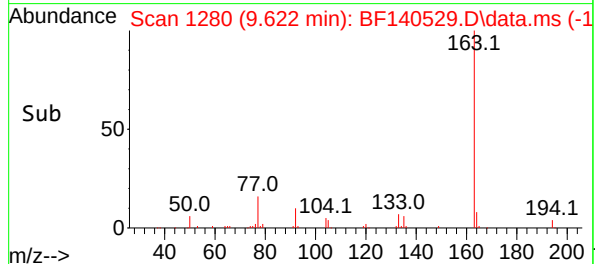
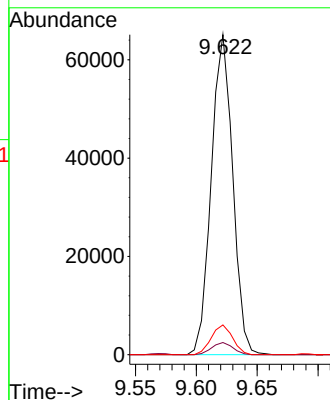
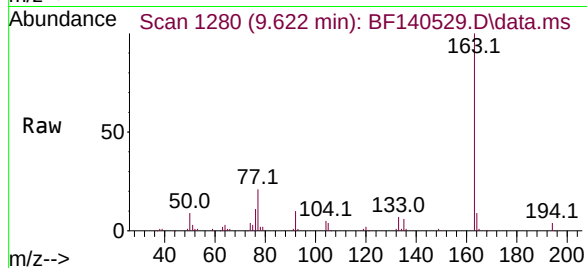




#50  
Dimethylphthalate  
Concen: 5.523 ng  
RT: 9.622 min Scan# 1280  
Delta R.T. -0.012 min  
Lab File: BF140529.D  
Acq: 21 Nov 2024 11:39

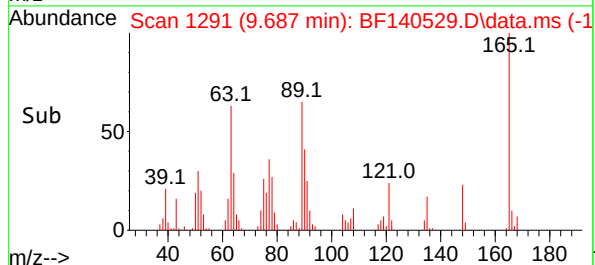
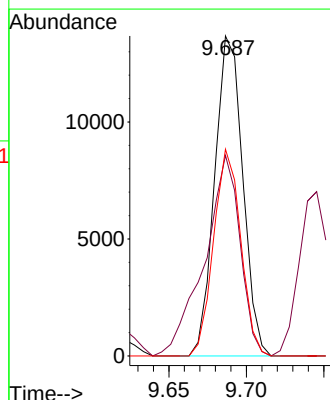
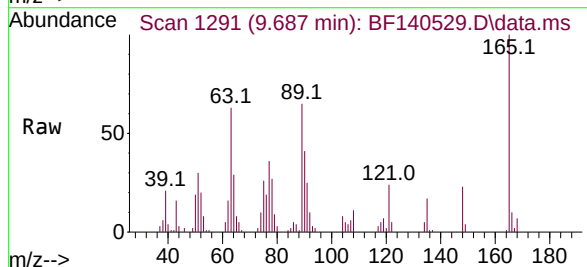
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC005

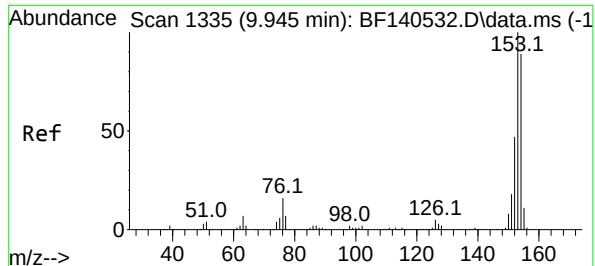
Tgt Ion:163 Resp: 79770  
Ion Ratio Lower Upper  
163 100  
194 3.8 3.1 4.7  
164 9.3 8.2 12.2



#51  
2,6-Dinitrotoluene  
Concen: 5.256 ng  
RT: 9.687 min Scan# 1291  
Delta R.T. -0.012 min  
Lab File: BF140529.D  
Acq: 21 Nov 2024 11:39

Tgt Ion:165 Resp: 17217  
Ion Ratio Lower Upper  
165 100  
63 62.7 49.9 74.9  
89 64.6 50.9 76.3

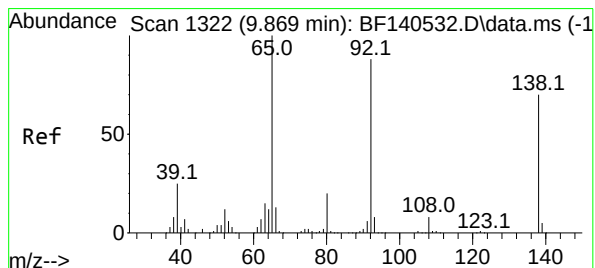
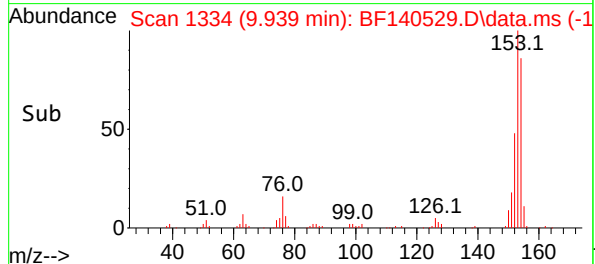
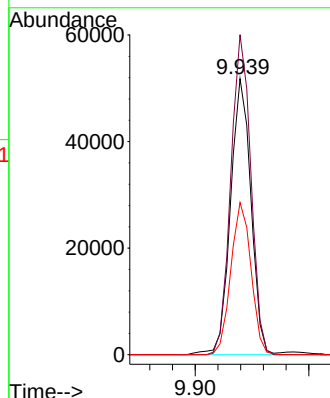
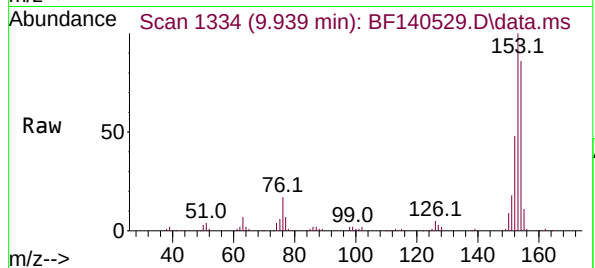




#52  
Acenaphthene  
Concen: 5.337 ng  
RT: 9.939 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF140529.D  
Acq: 21 Nov 2024 11:39

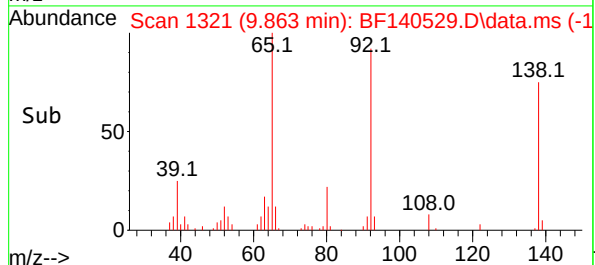
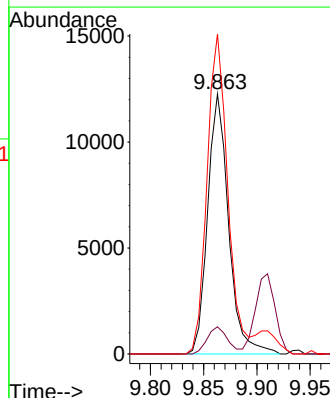
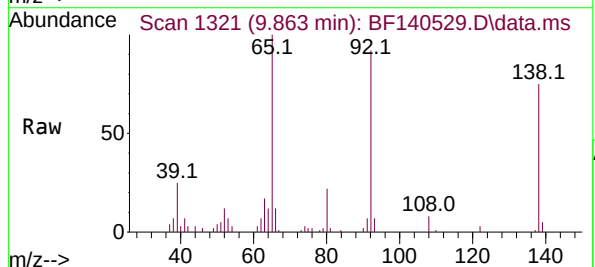
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC005

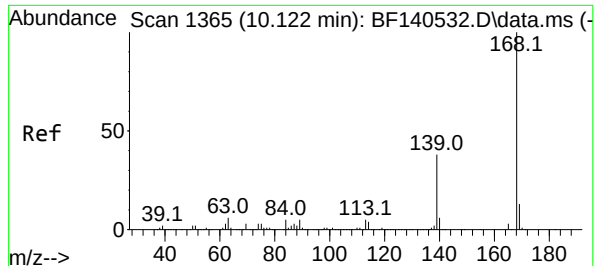
Tgt Ion:154 Resp: 64777  
Ion Ratio Lower Upper  
154 100  
153 116.0 89.7 134.5  
152 55.1 42.5 63.7



#53  
3-Nitroaniline  
Concen: 5.257 ng  
RT: 9.863 min Scan# 1321  
Delta R.T. -0.006 min  
Lab File: BF140529.D  
Acq: 21 Nov 2024 11:39

Tgt Ion:138 Resp: 16842  
Ion Ratio Lower Upper  
138 100  
108 10.5 9.2 13.8  
92 123.1 100.6 150.8





#55

Dibenzenofuran

Concen: 5.727 ng

RT: 10.116 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF140529.D

Acq: 21 Nov 2024 11:39

Instrument :

BNA\_F

ClientSampleId :

SSTDICC005

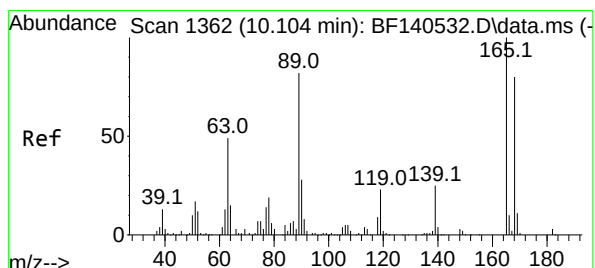
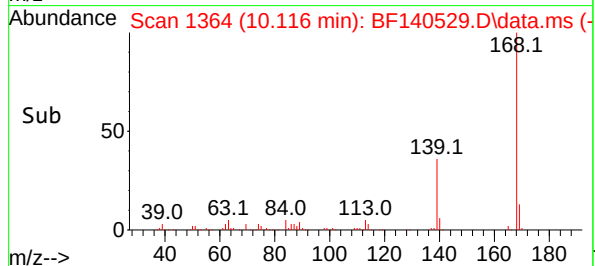
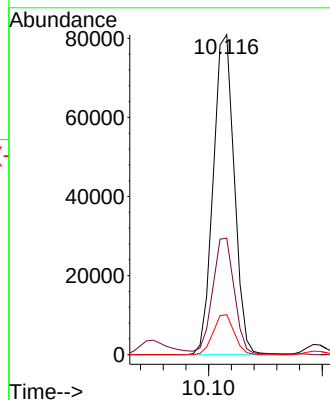
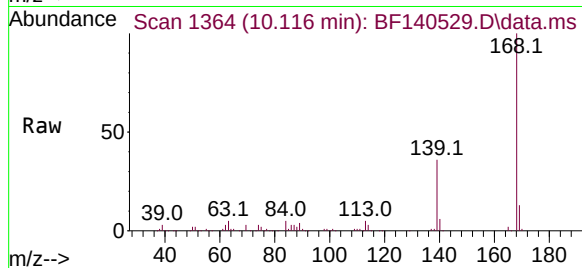
Tgt Ion:168 Resp: 104044

Ion Ratio Lower Upper

168 100

139 36.4 31.3 46.9

169 12.5 10.5 15.7



#57

2,4-Dinitrotoluene

Concen: 5.079 ng

RT: 10.098 min Scan# 1361

Delta R.T. -0.006 min

Lab File: BF140529.D

Acq: 21 Nov 2024 11:39

Tgt Ion:165 Resp: 22110

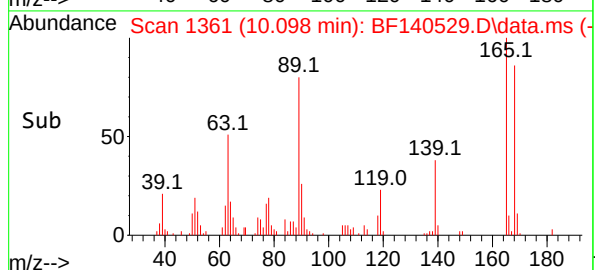
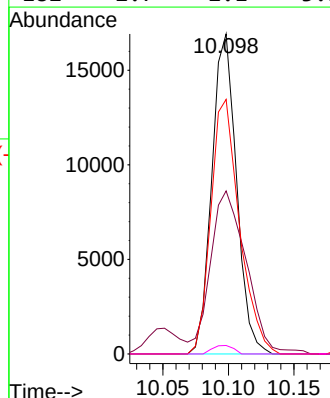
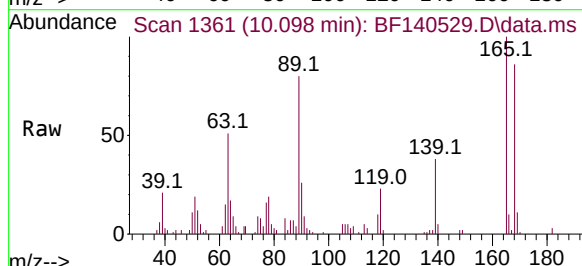
Ion Ratio Lower Upper

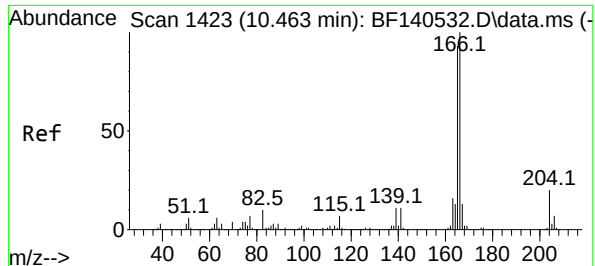
165 100

63 50.9 41.7 62.5

89 79.6 65.8 98.8

182 2.7 2.1 3.1

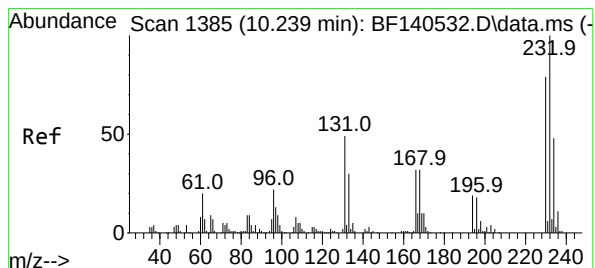
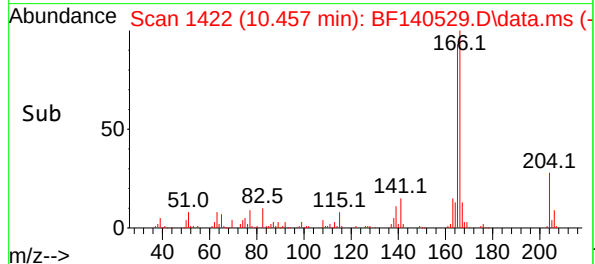
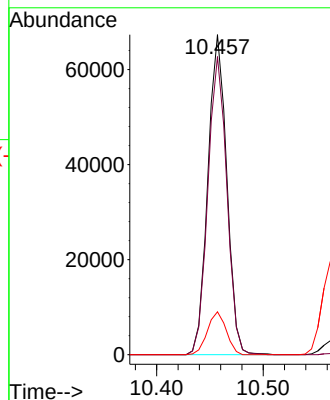
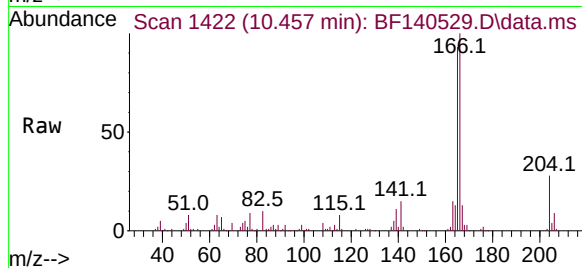




#58  
Fluorene  
Concen: 5.674 ng  
RT: 10.457 min Scan# 1422  
Delta R.T. -0.006 min  
Lab File: BF140529.D  
Acq: 21 Nov 2024 11:39

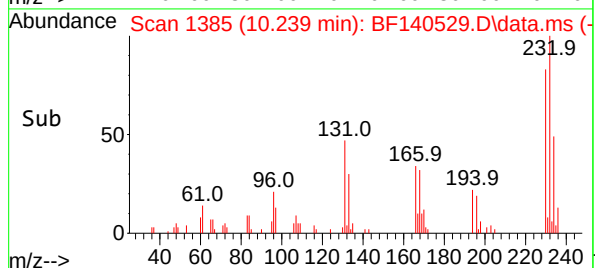
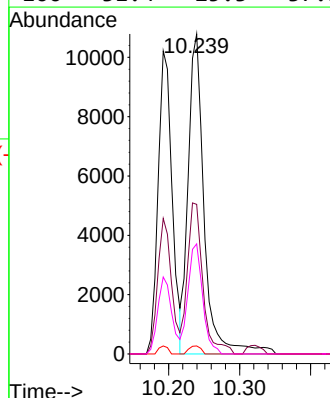
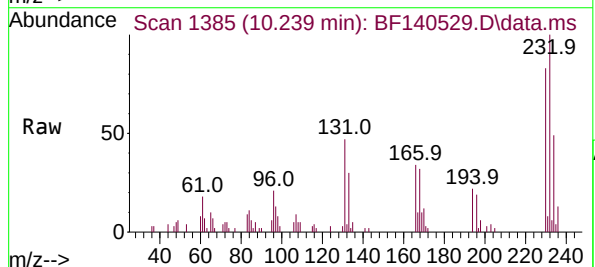
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC005

Tgt Ion:166 Resp: 82732  
Ion Ratio Lower Upper  
166 100  
165 93.2 74.6 111.8  
167 13.4 10.6 16.0

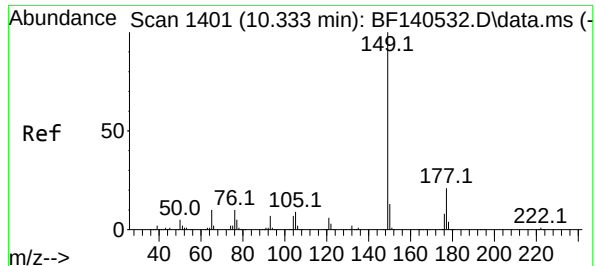


#59  
2,3,4,6-Tetrachlorophenol  
Concen: 5.007 ng  
RT: 10.239 min Scan# 1385  
Delta R.T. 0.000 min  
Lab File: BF140529.D  
Acq: 21 Nov 2024 11:39

Tgt Ion:232 Resp: 16825  
Ion Ratio Lower Upper  
232 100  
131 45.4 39.6 59.4  
130 1.8 1.9 2.9#  
166 31.4 25.3 37.9



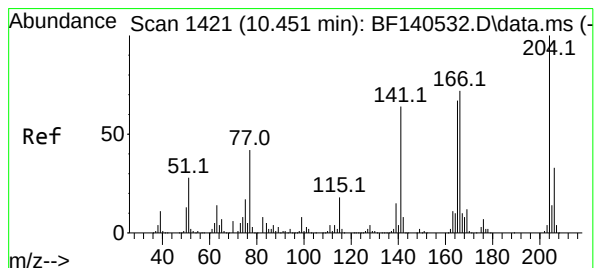
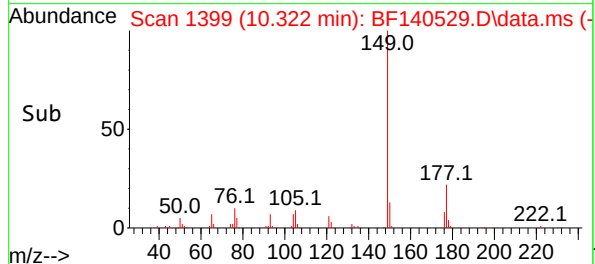
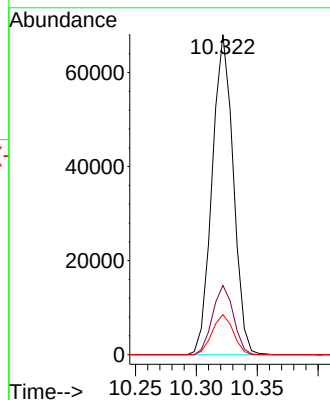
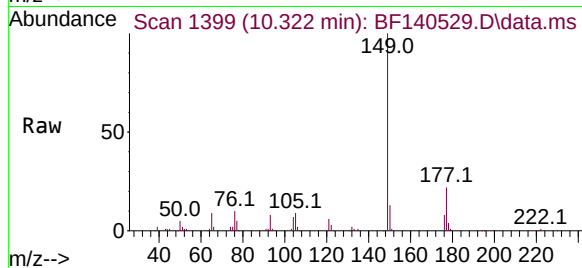




#60  
Diethylphthalate  
Concen: 5.587 ng  
RT: 10.322 min Scan# 11  
Delta R.T. -0.012 min  
Lab File: BF140529.D  
Acq: 21 Nov 2024 11:39

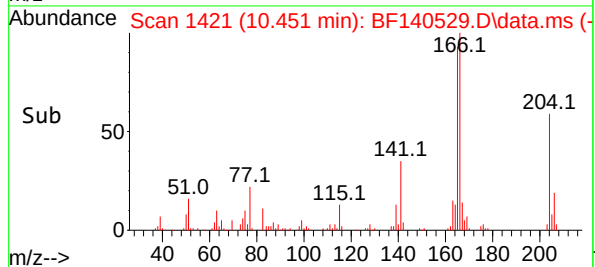
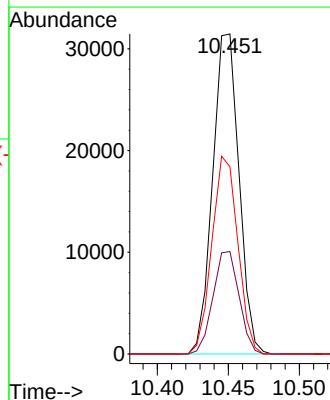
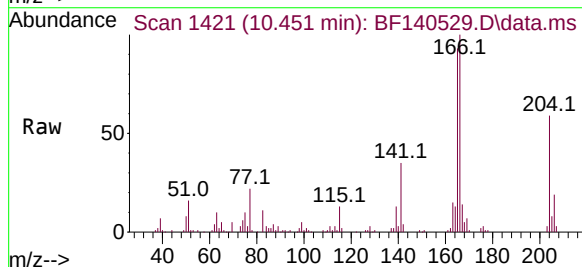
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC005

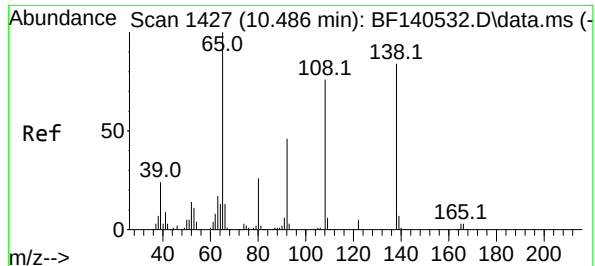
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 177     | 21.7  | 17.1  | 25.7  |
| 150     | 12.5  | 10.1  | 15.1  |



#61  
4-Chlorophenyl-phenylether  
Concen: 5.665 ng  
RT: 10.451 min Scan# 1421  
Delta R.T. 0.000 min  
Lab File: BF140529.D  
Acq: 21 Nov 2024 11:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 204     | 100   |       |       |
| 206     | 32.0  | 26.6  | 40.0  |
| 141     | 58.5  | 51.1  | 76.7  |

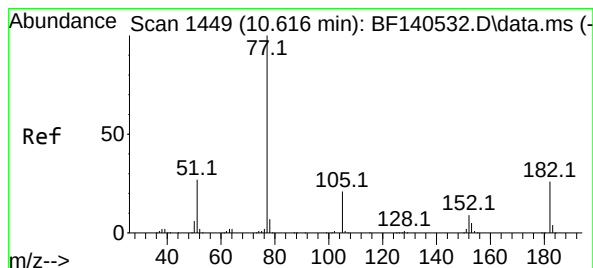
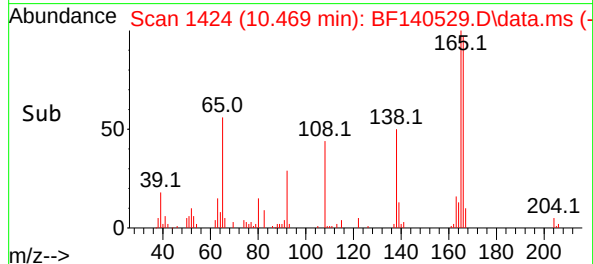
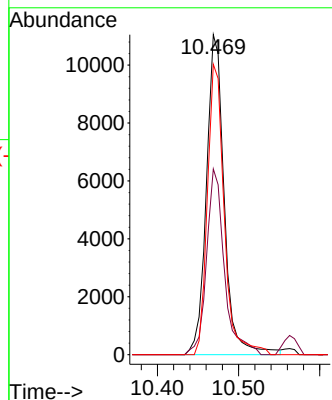
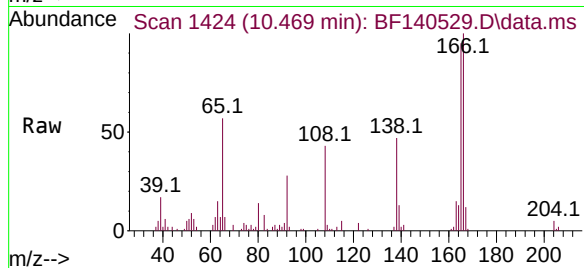




#62  
4-Nitroaniline  
Concen: 5.014 ng  
RT: 10.469 min Scan# 1427  
Delta R.T. -0.018 min  
Lab File: BF140529.D  
Acq: 21 Nov 2024 11:39

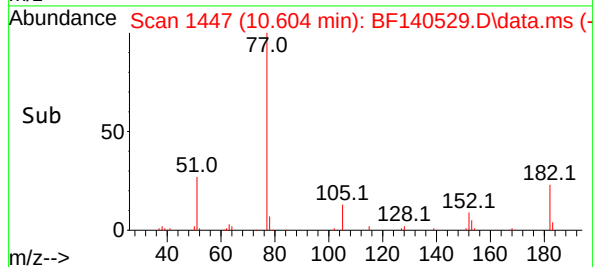
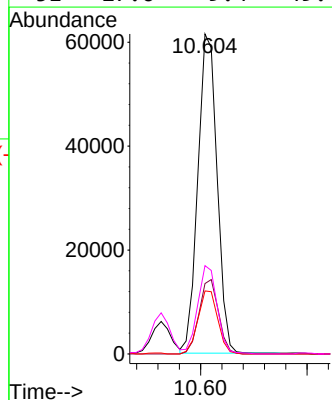
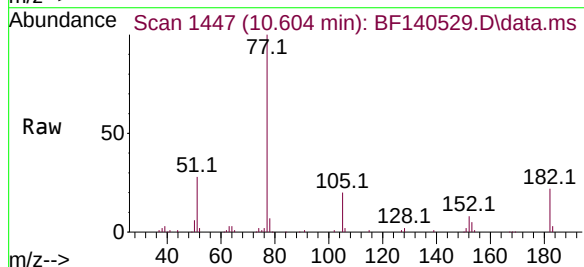
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC005

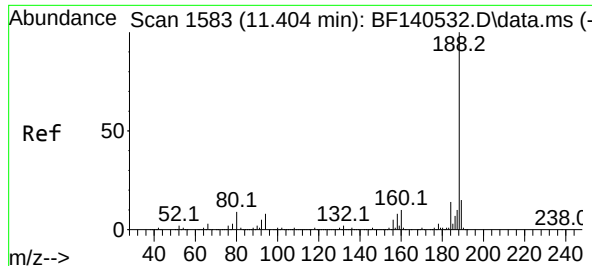
Tgt Ion:138 Resp: 16848  
Ion Ratio Lower Upper  
138 100  
92 58.1 34.5 74.5  
108 90.7 70.6 110.6



#63  
Azobenzene  
Concen: 5.549 ng  
RT: 10.604 min Scan# 1447  
Delta R.T. -0.012 min  
Lab File: BF140529.D  
Acq: 21 Nov 2024 11:39

Tgt Ion: 77 Resp: 77108  
Ion Ratio Lower Upper  
77 100  
182 22.0 5.3 45.3  
105 19.7 0.3 40.3  
51 27.6 9.4 49.4

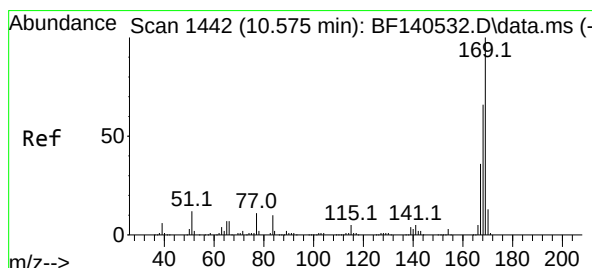
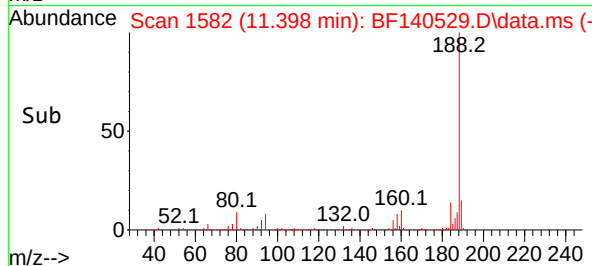
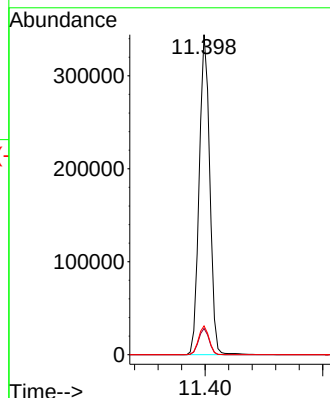
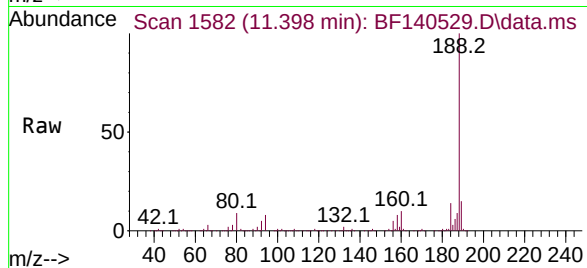




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.398 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF140529.D  
Acq: 21 Nov 2024 11:39

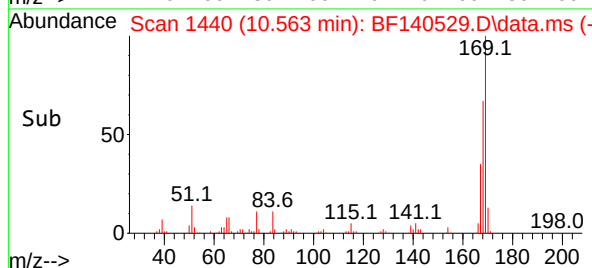
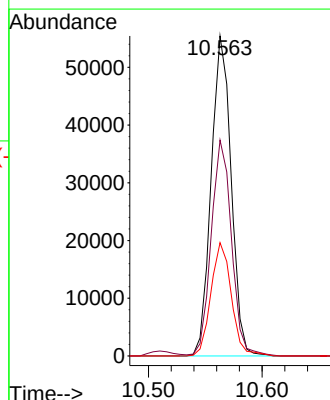
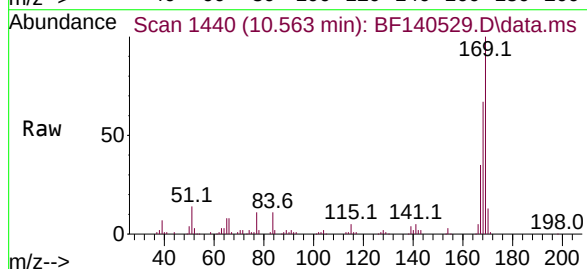
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC005

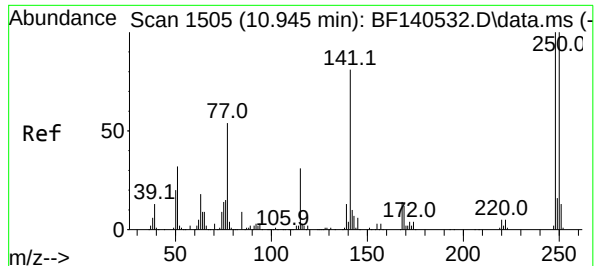
Tgt Ion:188 Resp: 428851  
Ion Ratio Lower Upper  
188 100  
94 8.2 6.4 9.6  
80 9.0 6.9 10.3



#66  
n-Nitrosodiphenylamine  
Concen: 5.346 ng  
RT: 10.563 min Scan# 1440  
Delta R.T. -0.012 min  
Lab File: BF140529.D  
Acq: 21 Nov 2024 11:39

Tgt Ion:169 Resp: 67794  
Ion Ratio Lower Upper  
169 100  
168 67.4 53.2 79.8  
167 35.4 29.0 43.6

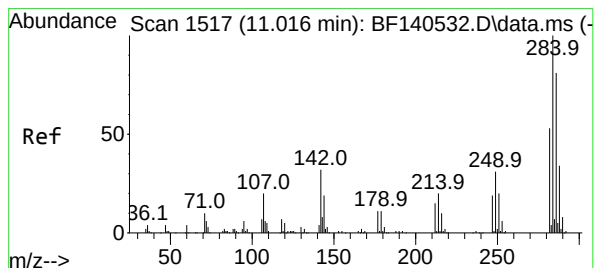
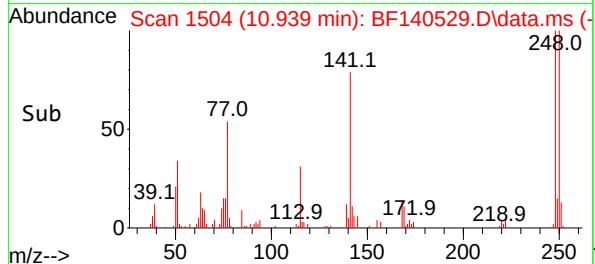
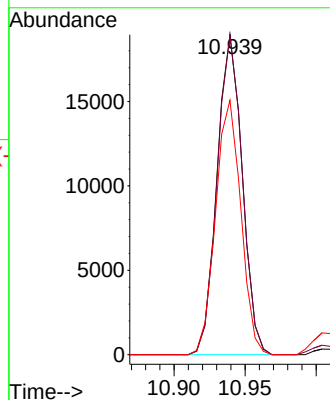
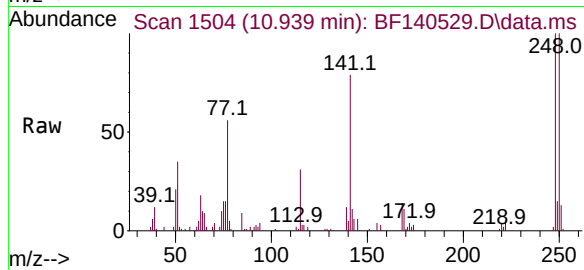




#67  
4-Bromophenyl-phenylether  
Concen: 5.288 ng  
RT: 10.939 min Scan# 1504  
Delta R.T. -0.006 min  
Lab File: BF140529.D  
Acq: 21 Nov 2024 11:39

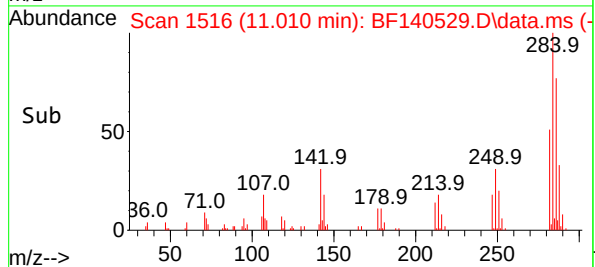
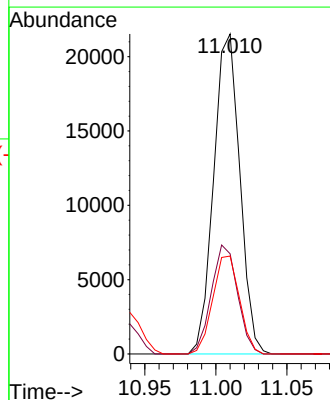
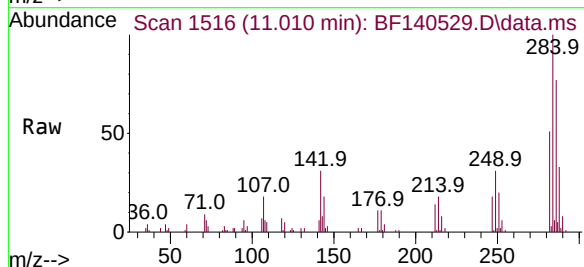
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDIC005

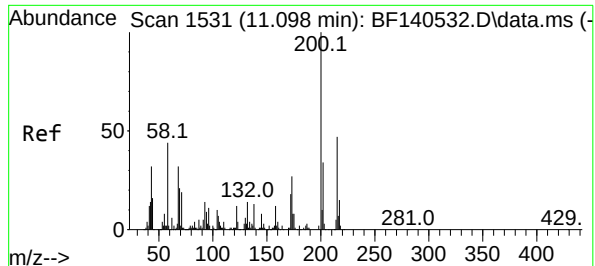
Tgt Ion:248 Resp: 23355  
Ion Ratio Lower Upper  
248 100  
250 99.9 79.8 119.8  
141 79.5 64.7 97.1



#68  
Hexachlorobenzene  
Concen: 5.384 ng  
RT: 11.010 min Scan# 1516  
Delta R.T. -0.006 min  
Lab File: BF140529.D  
Acq: 21 Nov 2024 11:39

Tgt Ion:284 Resp: 27532  
Ion Ratio Lower Upper  
284 100  
142 31.3 25.3 37.9  
249 30.6 24.8 37.2





#69

Atrazine

Concen: 5.452 ng

RT: 11.086 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF140529.D

Acq: 21 Nov 2024 11:39

Instrument :

BNA\_F

ClientSampleId :

SSTDICC005

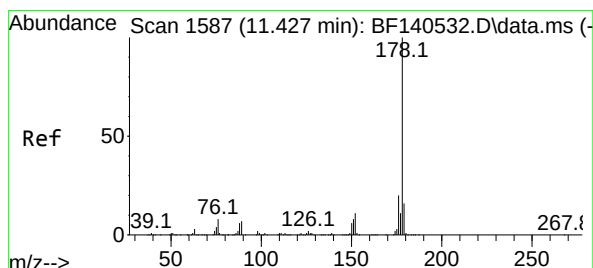
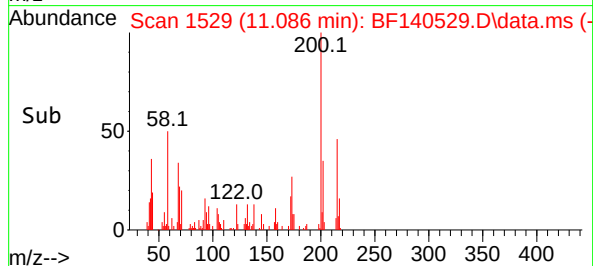
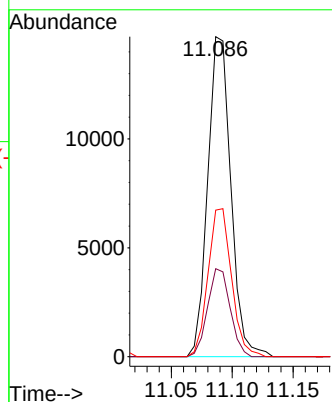
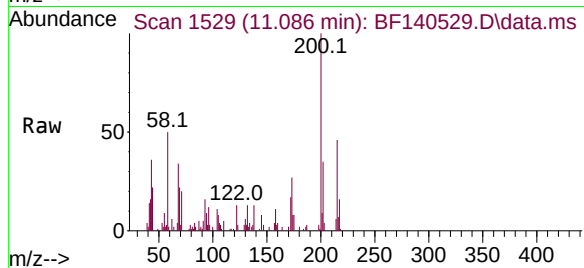
Tgt Ion:200 Resp: 19452

Ion Ratio Lower Upper

200 100

173 27.5 7.0 47.0

215 45.8 26.7 66.7



#71

Phenanthrene

Concen: 5.584 ng

RT: 11.422 min Scan# 1586

Delta R.T. -0.006 min

Lab File: BF140529.D

Acq: 21 Nov 2024 11:39

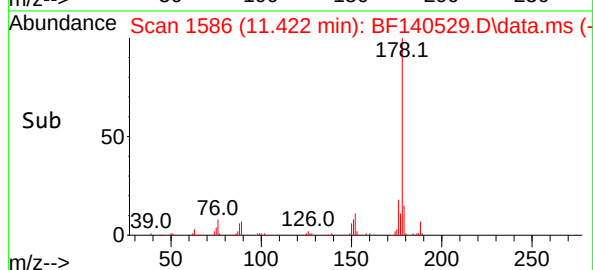
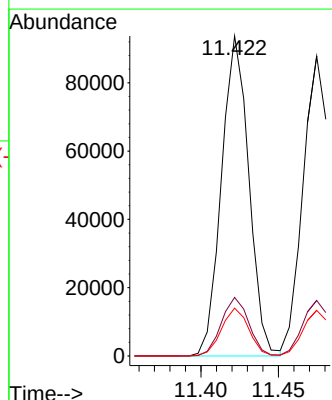
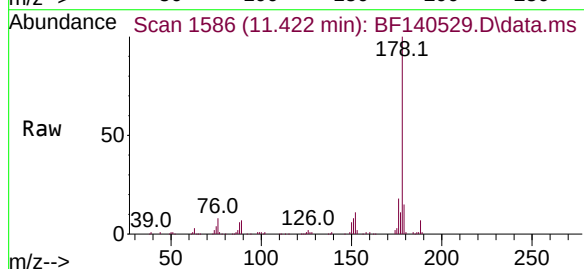
Tgt Ion:178 Resp: 115121

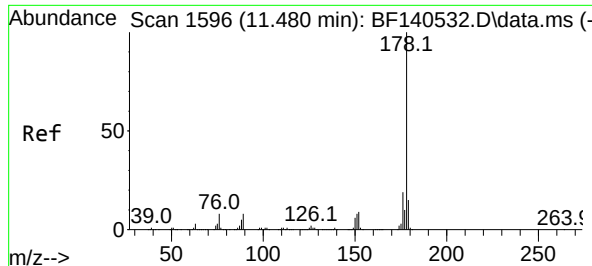
Ion Ratio Lower Upper

178 100

176 18.3 15.8 23.6

179 14.9 12.4 18.6

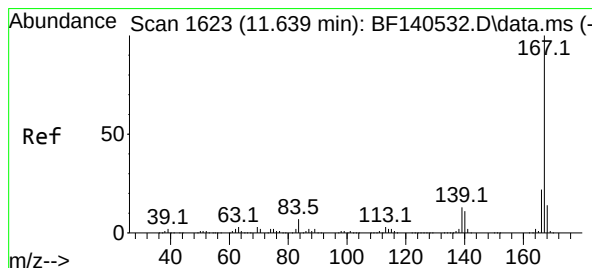
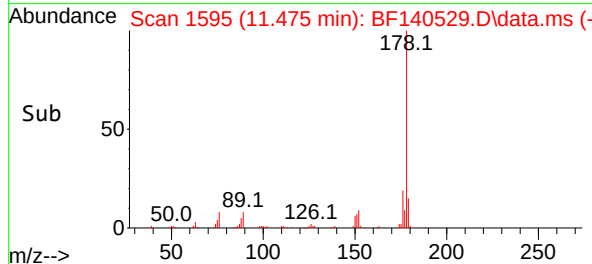
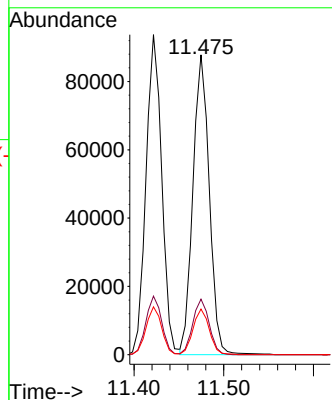
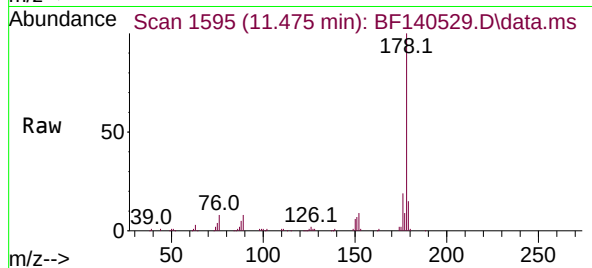




#72  
Anthracene  
Concen: 5.520 ng  
RT: 11.475 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF140529.D  
Acq: 21 Nov 2024 11:39

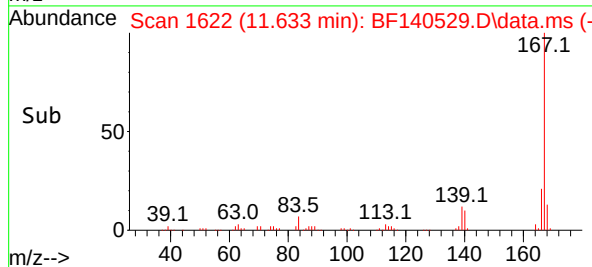
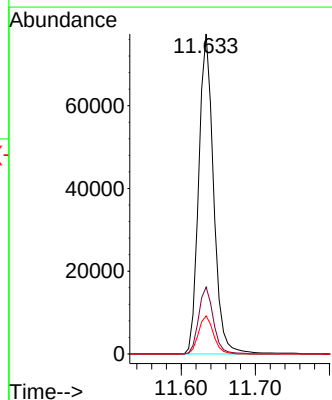
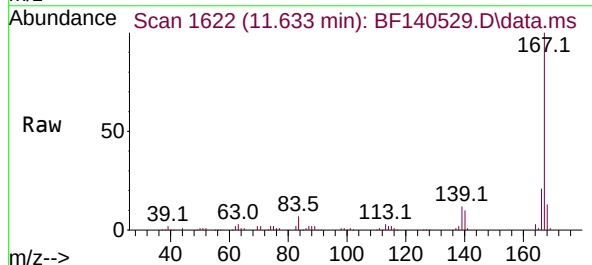
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC005

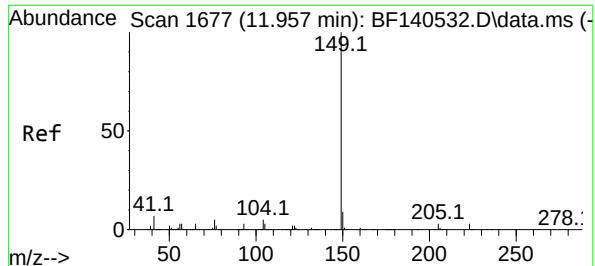
Tgt Ion:178 Resp: 111316  
Ion Ratio Lower Upper  
178 100  
176 18.5 15.0 22.4  
179 15.2 12.2 18.4



#73  
Carbazole  
Concen: 5.549 ng  
RT: 11.633 min Scan# 1622  
Delta R.T. -0.006 min  
Lab File: BF140529.D  
Acq: 21 Nov 2024 11:39

Tgt Ion:167 Resp: 107643  
Ion Ratio Lower Upper  
167 100  
166 20.9 17.2 25.8  
139 11.9 10.6 15.8

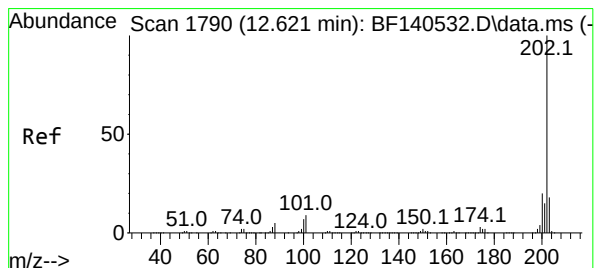
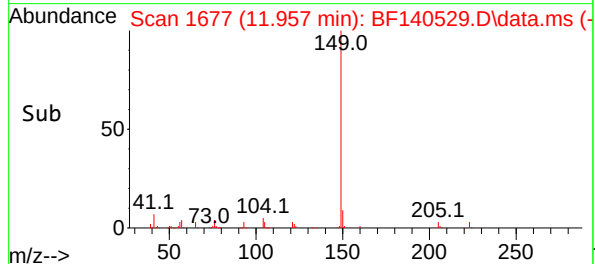
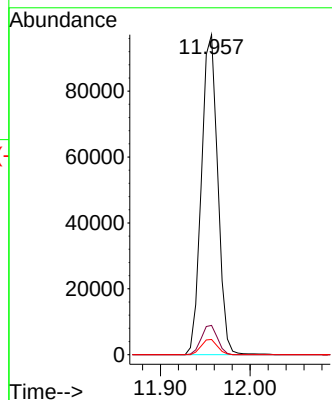
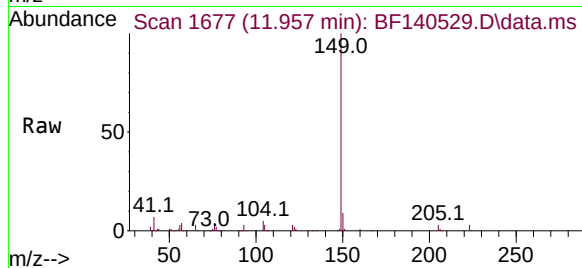




#74  
Di-n-butylphthalate  
Concen: 5.478 ng  
RT: 11.957 min Scan# 1677  
Delta R.T. 0.000 min  
Lab File: BF140529.D  
Acq: 21 Nov 2024 11:39

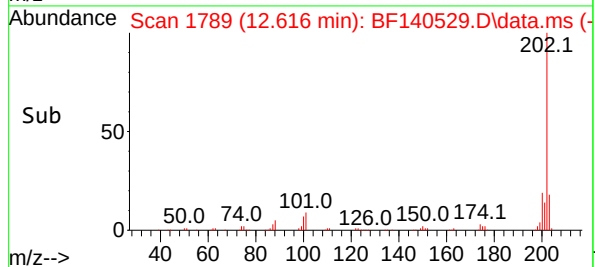
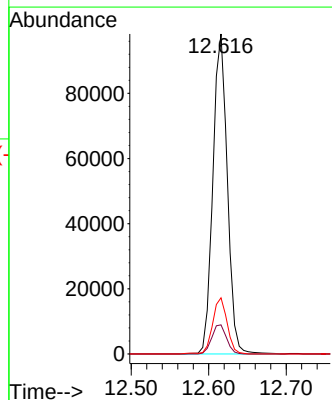
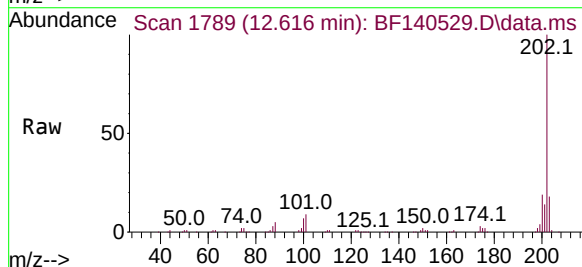
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC005

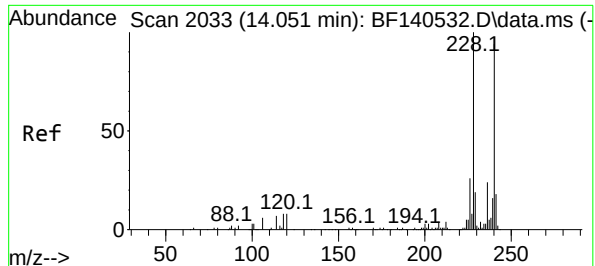
Tgt Ion:149 Resp: 122687  
Ion Ratio Lower Upper  
149 100  
150 9.2 7.5 11.3  
104 4.7 4.1 6.1



#75  
Fluoranthene  
Concen: 5.683 ng  
RT: 12.616 min Scan# 1789  
Delta R.T. -0.006 min  
Lab File: BF140529.D  
Acq: 21 Nov 2024 11:39

Tgt Ion:202 Resp: 127194  
Ion Ratio Lower Upper  
202 100  
101 9.1 0.0 28.9  
203 17.5 0.0 37.6

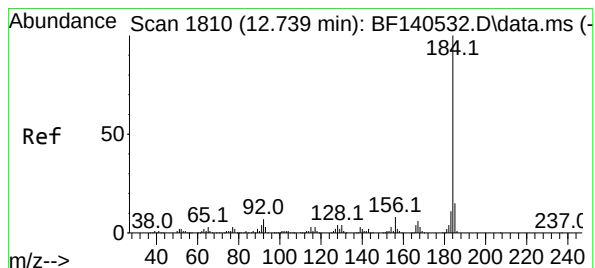
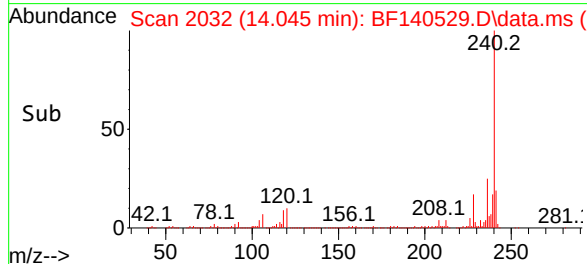
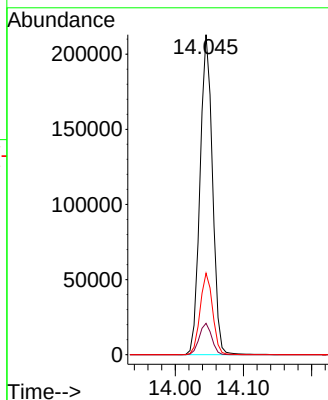
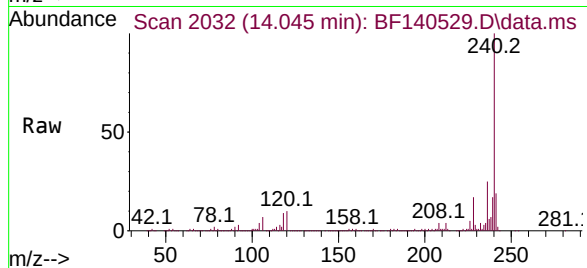




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.045 min Scan# 2032  
Delta R.T. -0.006 min  
Lab File: BF140529.D  
Acq: 21 Nov 2024 11:39

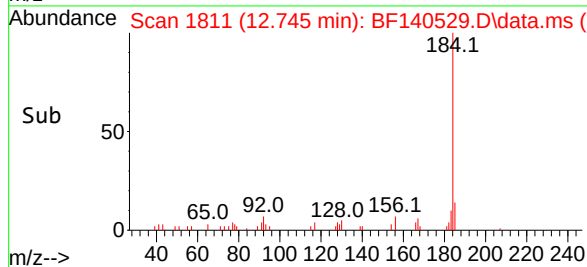
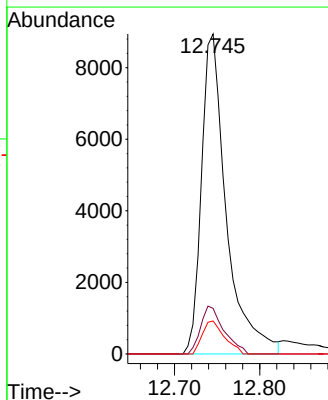
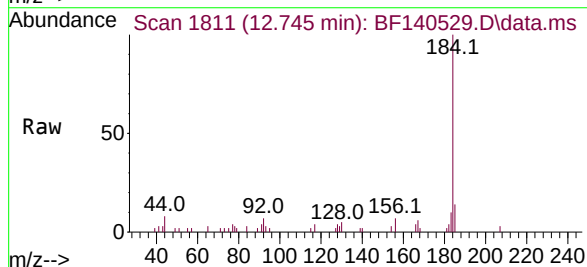
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC005

Tgt Ion:240 Resp: 270381  
Ion Ratio Lower Upper  
240 100  
120 9.8 7.3 10.9  
236 25.5 20.6 31.0

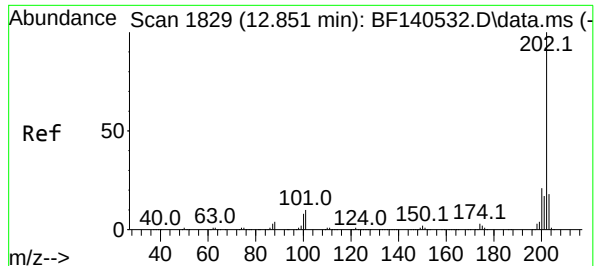


#77  
Benzidine  
Concen: 2.303 ng  
RT: 12.745 min Scan# 1811  
Delta R.T. 0.006 min  
Lab File: BF140529.D  
Acq: 21 Nov 2024 11:39

Tgt Ion:184 Resp: 18105  
Ion Ratio Lower Upper  
184 100  
185 14.2 11.7 17.5  
183 10.3 8.8 13.2



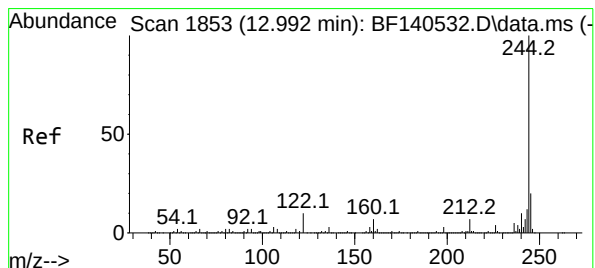
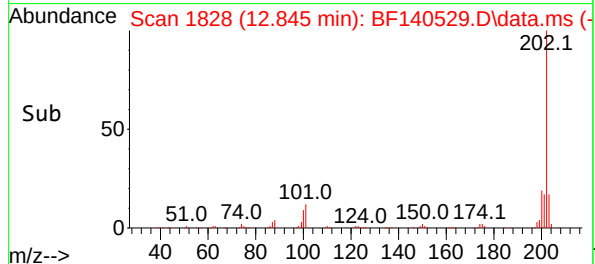
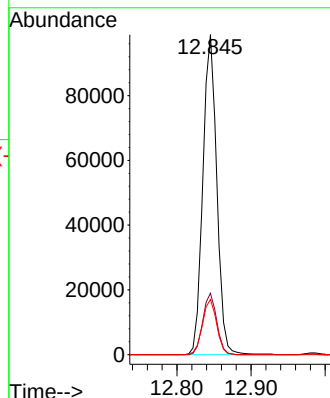
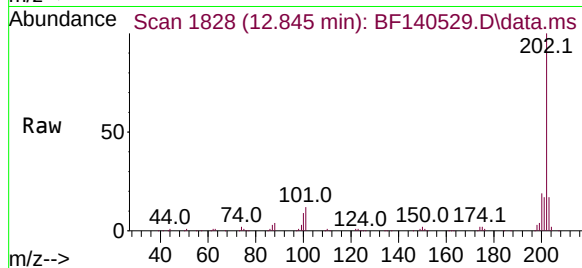




#78  
Pyrene  
Concen: 5.150 ng  
RT: 12.845 min Scan# 1828  
Delta R.T. -0.006 min  
Lab File: BF140529.D  
Acq: 21 Nov 2024 11:39

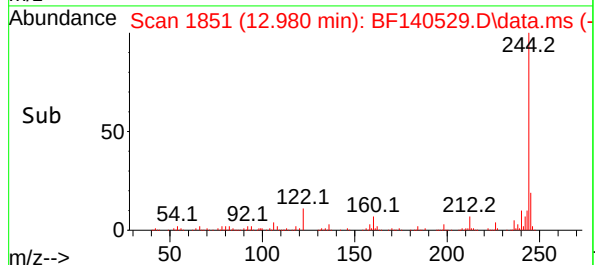
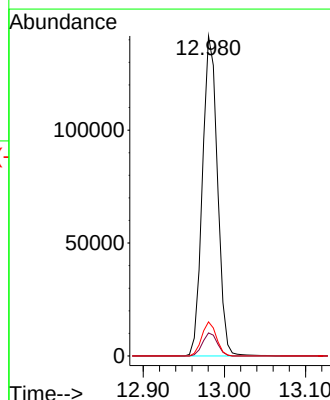
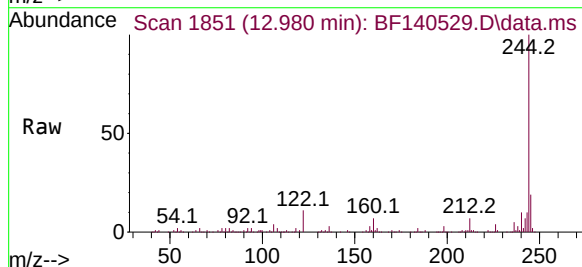
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC005

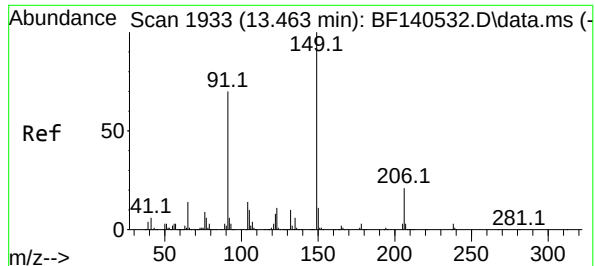
Tgt Ion:202 Resp: 128760  
Ion Ratio Lower Upper  
202 100  
200 19.2 16.5 24.7  
203 17.3 14.2 21.4



#79  
Terphenyl-d14  
Concen: 10.522 ng  
RT: 12.980 min Scan# 1851  
Delta R.T. -0.012 min  
Lab File: BF140529.D  
Acq: 21 Nov 2024 11:39

Tgt Ion:244 Resp: 182707  
Ion Ratio Lower Upper  
244 100  
212 7.2 5.8 8.8  
122 10.7 8.0 12.0





#80

Butylbenzylphthalate

Concen: 5.073 ng

RT: 13.457 min Scan# 1933

Delta R.T. -0.006 min

Lab File: BF140529.D

Acq: 21 Nov 2024 11:39

Instrument :

BNA\_F

ClientSampleId :

SSTDICC005

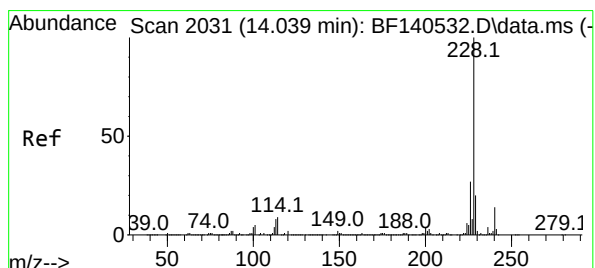
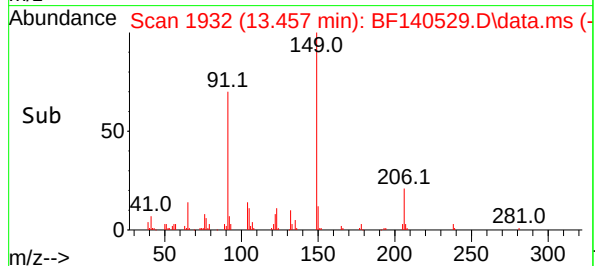
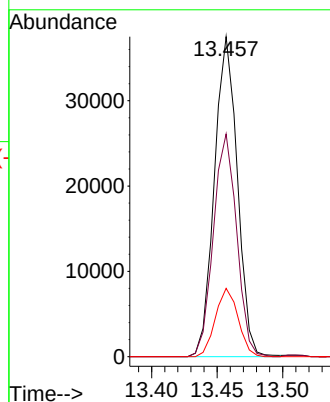
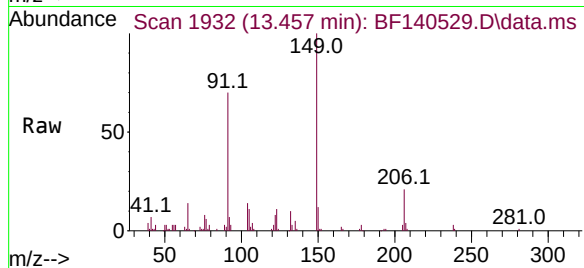
Tgt Ion:149 Resp: 45690

Ion Ratio Lower Upper

149 100

91 69.6 56.2 84.2

206 21.4 16.4 24.6



#81

Benzo(a)anthracene

Concen: 5.321 ng

RT: 14.033 min Scan# 2030

Delta R.T. -0.006 min

Lab File: BF140529.D

Acq: 21 Nov 2024 11:39

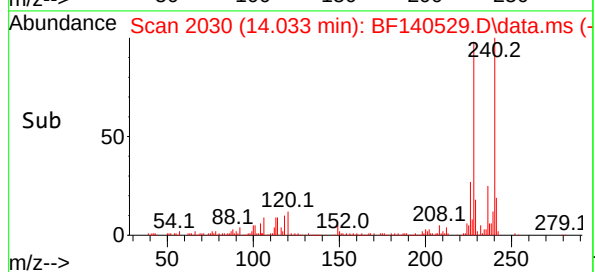
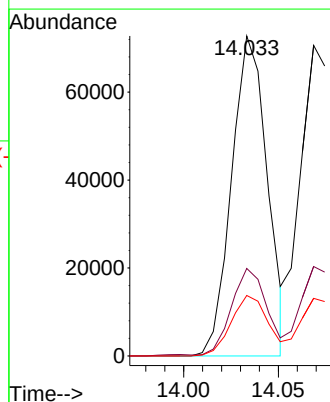
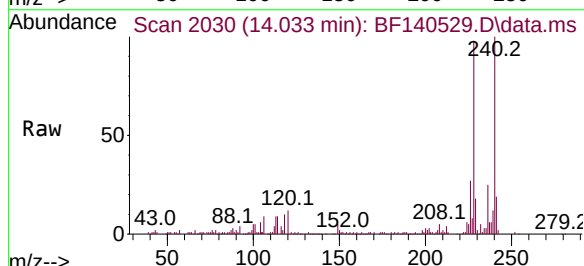
Tgt Ion:228 Resp: 95229

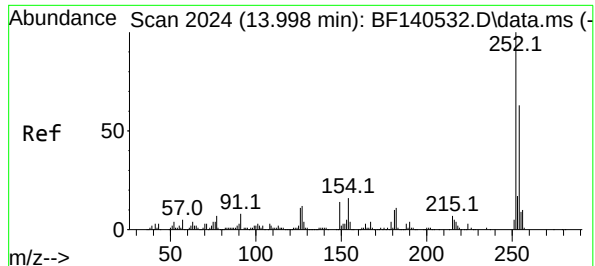
Ion Ratio Lower Upper

228 100

226 27.3 21.8 32.8

229 18.9 15.8 23.6





#82

3,3'-Dichlorobenzidine

Concen: 4.712 ng

RT: 13.998 min Scan# 2024

Delta R.T. 0.000 min

Lab File: BF140529.D

Acq: 21 Nov 2024 11:39

Instrument :

BNA\_F

ClientSampleId :

SSTDICC005

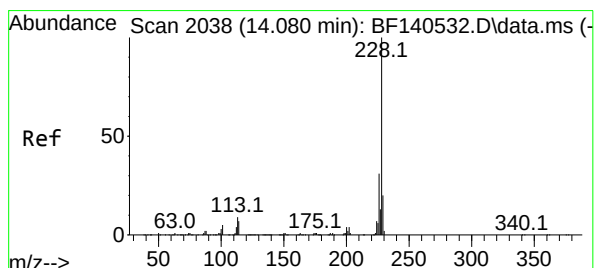
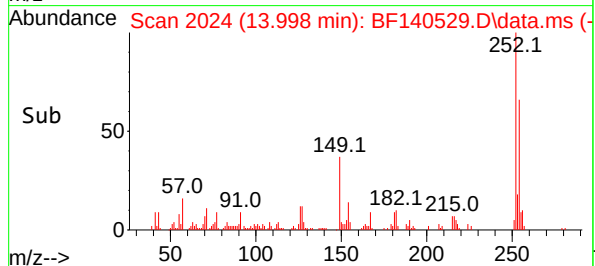
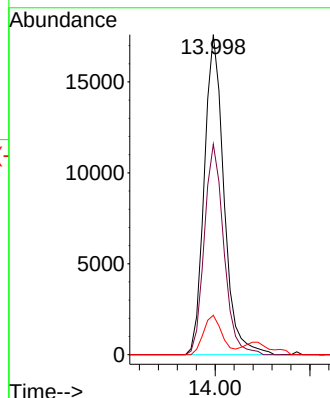
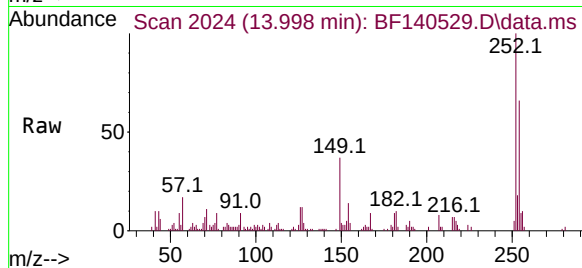
Tgt Ion:252 Resp: 25321

Ion Ratio Lower Upper

252 100

254 65.8 50.8 76.2

126 12.3 8.6 13.0



#83

Chrysene

Concen: 5.593 ng

RT: 14.069 min Scan# 2036

Delta R.T. -0.012 min

Lab File: BF140529.D

Acq: 21 Nov 2024 11:39

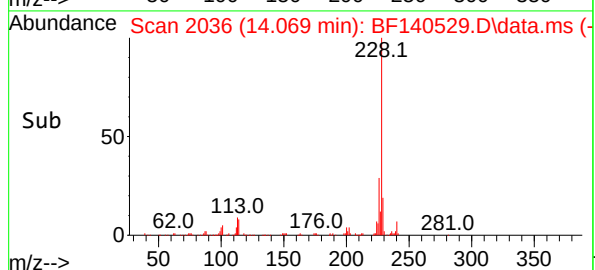
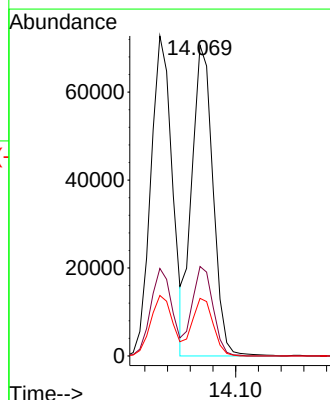
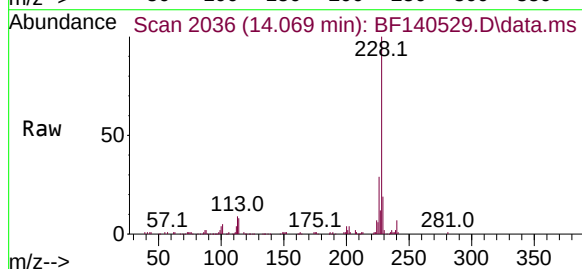
Tgt Ion:228 Resp: 91528

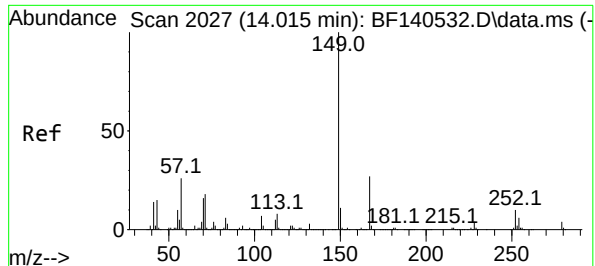
Ion Ratio Lower Upper

228 100

226 28.8 24.4 36.6

229 18.5 15.8 23.6

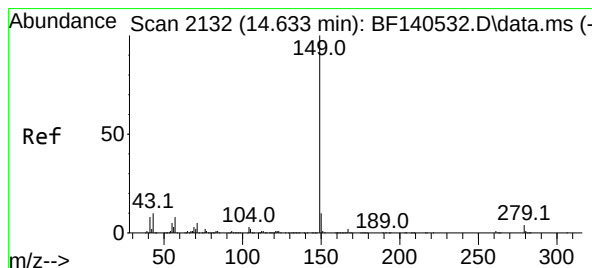
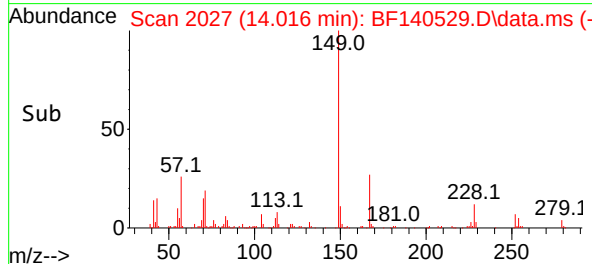
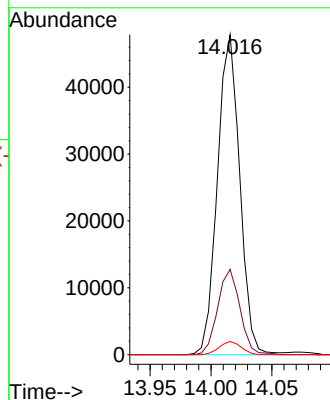
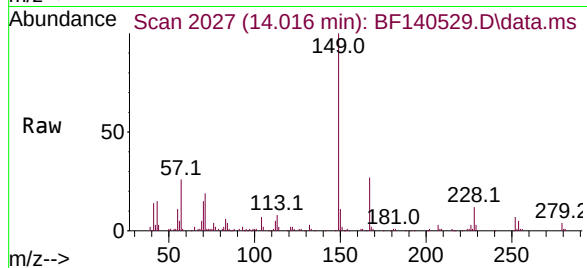




#84  
Bis(2-ethylhexyl)phthalate  
Concen: 5.371 ng  
RT: 14.016 min Scan# 2027  
Delta R.T. 0.000 min  
Lab File: BF140529.D  
Acq: 21 Nov 2024 11:39

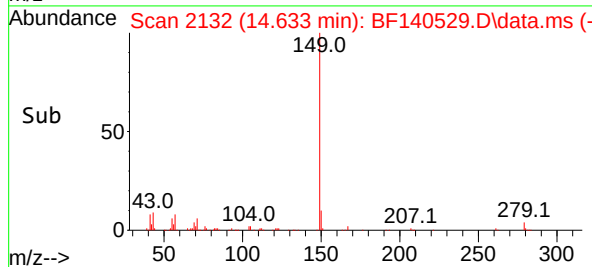
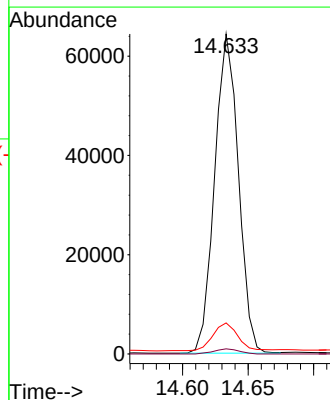
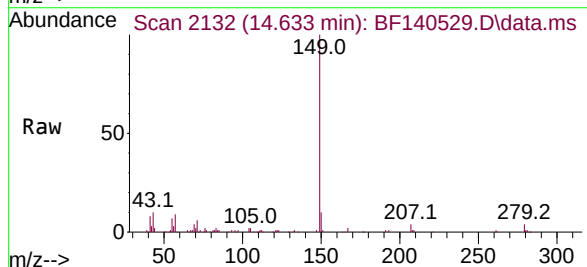
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC005

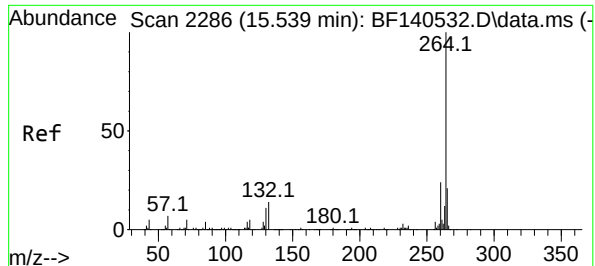
Tgt Ion:149 Resp: 61082  
Ion Ratio Lower Upper  
149 100  
167 26.7 21.2 31.8  
279 4.1 3.2 4.8



#85  
Di-n-octyl phthalate  
Concen: 5.211 ng  
RT: 14.633 min Scan# 2132  
Delta R.T. 0.000 min  
Lab File: BF140529.D  
Acq: 21 Nov 2024 11:39

Tgt Ion:149 Resp: 80990  
Ion Ratio Lower Upper  
149 100  
167 1.7 1.3 1.9  
43 9.3 7.7 11.5

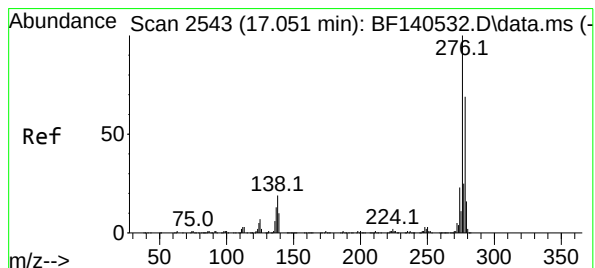
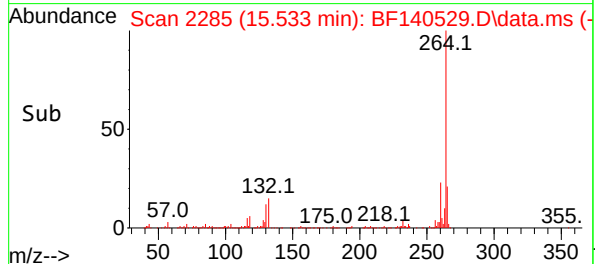
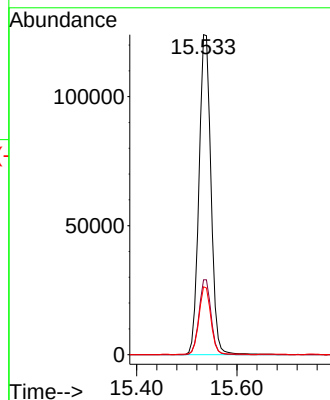
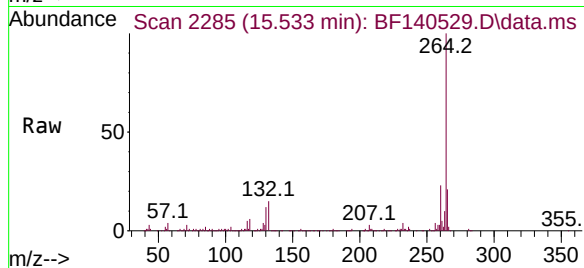




#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.533 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: BF140529.D  
Acq: 21 Nov 2024 11:39

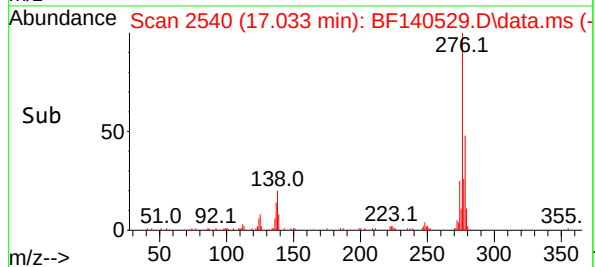
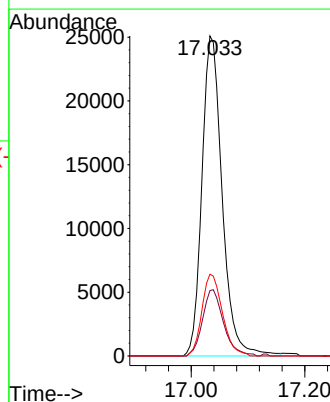
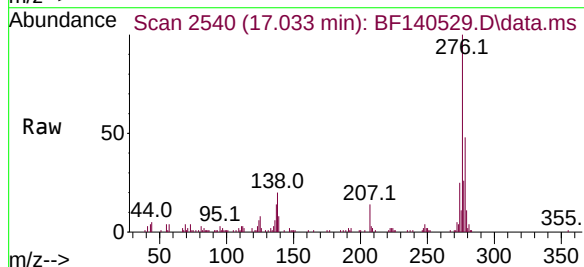
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC005

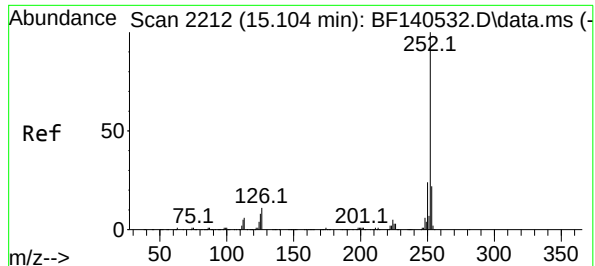
Tgt Ion:264 Resp: 205006  
Ion Ratio Lower Upper  
264 100  
260 23.4 19.0 28.6  
265 21.2 16.6 25.0



#87  
Indeno(1,2,3-cd)pyrene  
Concen: 4.637 ng  
RT: 17.033 min Scan# 2540  
Delta R.T. -0.017 min  
Lab File: BF140529.D  
Acq: 21 Nov 2024 11:39

Tgt Ion:276 Resp: 61952  
Ion Ratio Lower Upper  
276 100  
138 21.5 15.5 23.3  
277 25.8 20.1 30.1





#88

Benzo(b)fluoranthene

Concen: 5.362 ng

RT: 15.098 min Scan# 2211

Delta R.T. -0.006 min

Lab File: BF140529.D

Acq: 21 Nov 2024 11:39

Instrument :

BNA\_F

ClientSampleId :

SSTDICC005

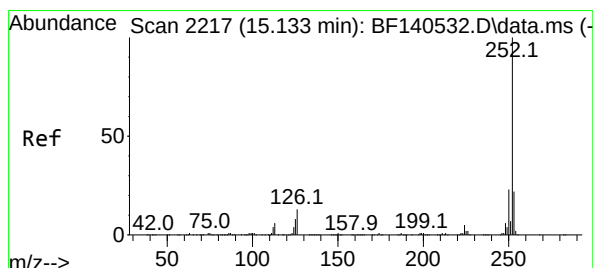
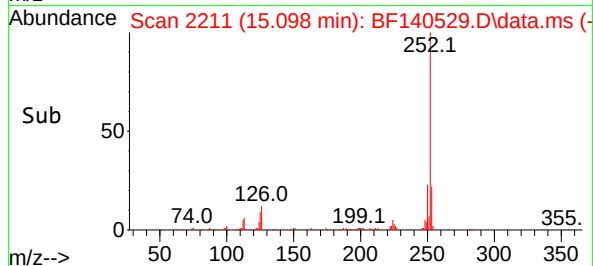
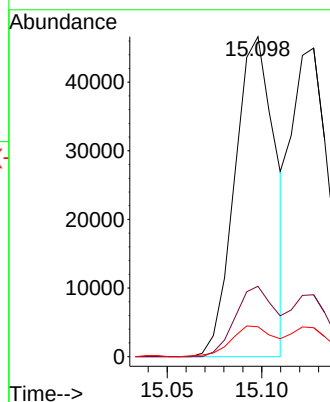
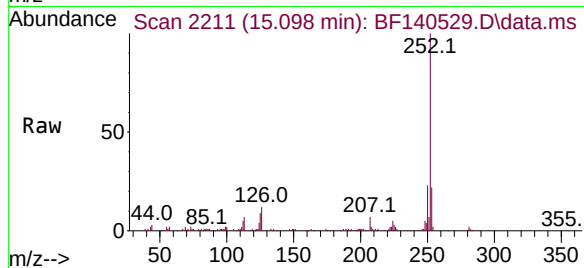
Tgt Ion:252 Resp: 69048

Ion Ratio Lower Upper

252 100

253 22.0 17.2 25.8

125 9.4 6.7 10.1



#89

Benzo(k)fluoranthene

Concen: 5.655 ng

RT: 15.127 min Scan# 2216

Delta R.T. -0.006 min

Lab File: BF140529.D

Acq: 21 Nov 2024 11:39

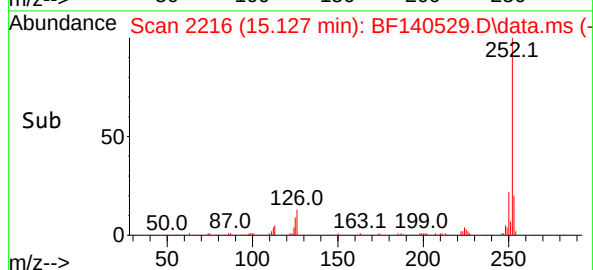
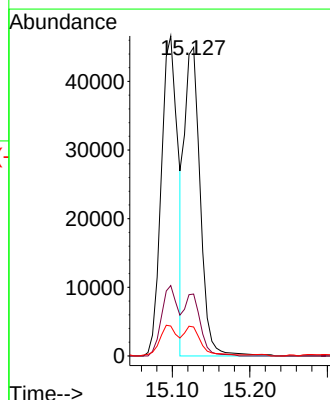
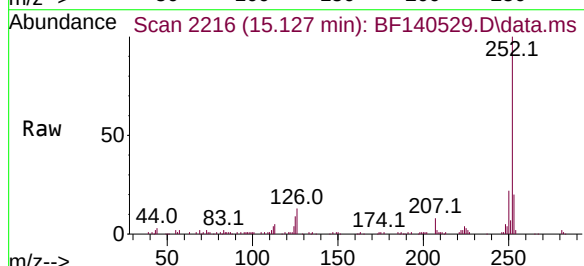
Tgt Ion:252 Resp: 63717

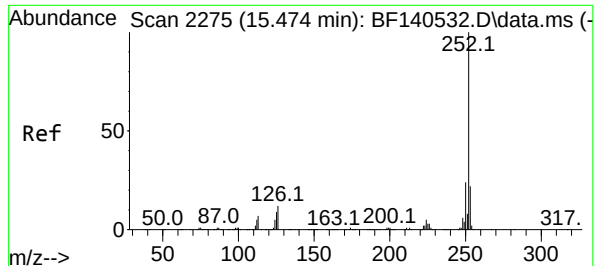
Ion Ratio Lower Upper

252 100

253 20.1 17.5 26.3

125 9.4 6.5 9.7

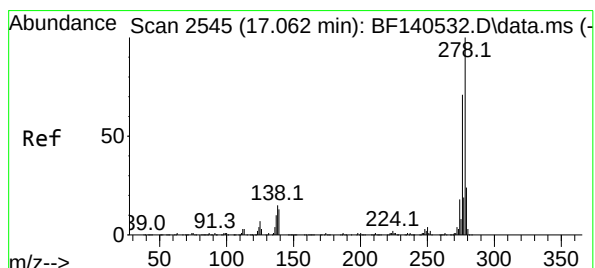
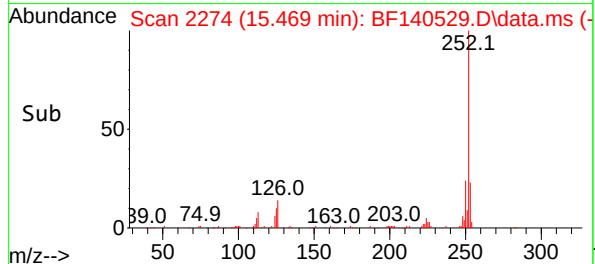
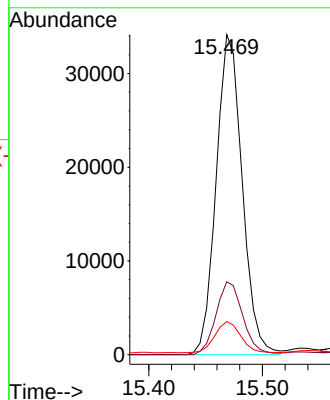
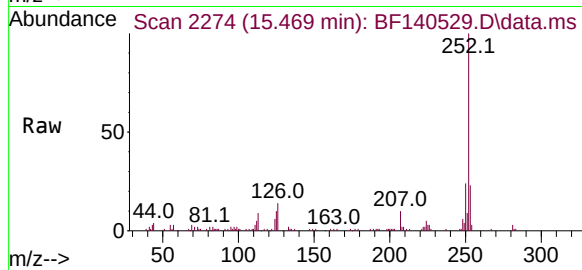




#90  
Benzo(a)pyrene  
Concen: 5.198 ng  
RT: 15.469 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: BF140529.D  
Acq: 21 Nov 2024 11:39

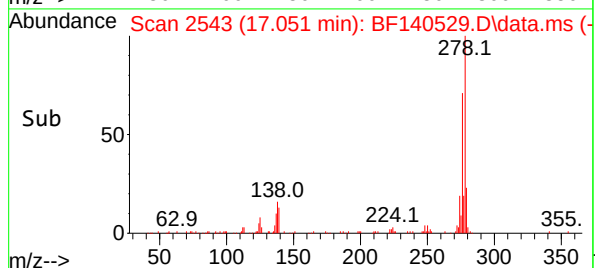
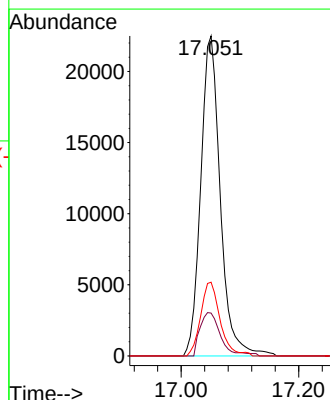
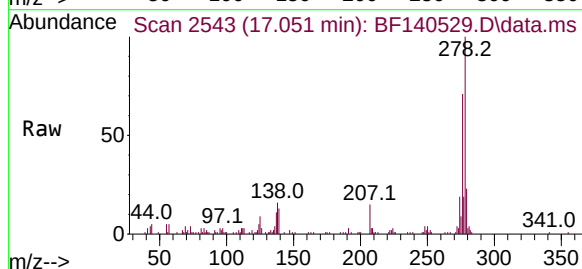
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC005

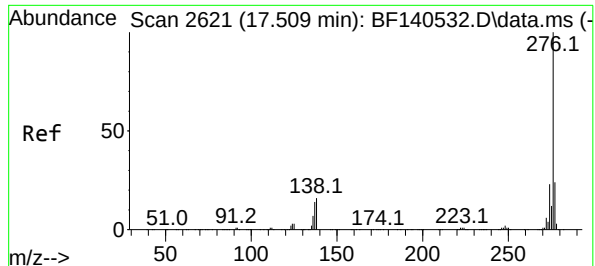
| Tgt Ion:  | 252   | Resp: | 54423 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 22.8  | 17.3  | 25.9  |
| 125       | 10.4  | 7.0   | 10.6  |



#91  
Dibenzo(a,h)anthracene  
Concen: 4.755 ng  
RT: 17.051 min Scan# 2543  
Delta R.T. -0.012 min  
Lab File: BF140529.D  
Acq: 21 Nov 2024 11:39

| Tgt Ion:  | 278   | Resp: | 52029 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 278       | 100   |       |       |
| 139       | 13.4  | 10.2  | 15.4  |
| 279       | 23.0  | 18.9  | 28.3  |





#92

Benzo(g,h,i)perylene

Concen: 4.740 ng

RT: 17.492 min Scan# 20

Delta R.T. -0.018 min

Lab File: BF140529.D

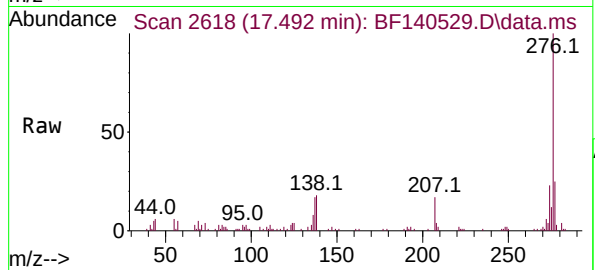
Acq: 21 Nov 2024 11:39

Instrument :

BNA\_F

ClientSampleId :

SSTDICC005



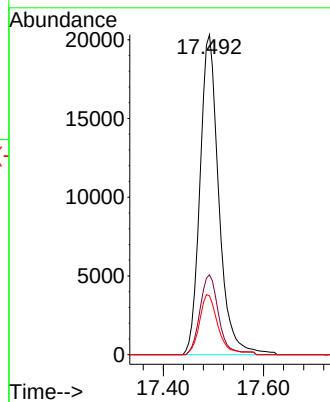
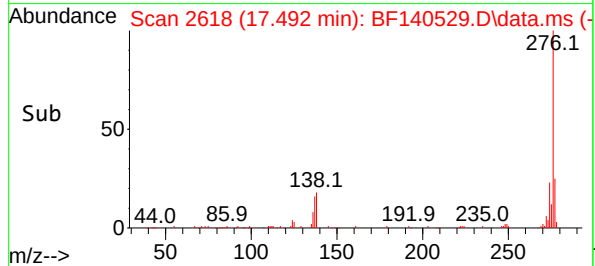
Tgt Ion:276 Resp: 52919

Ion Ratio Lower Upper

276 100

277 24.9 18.9 28.3

138 18.4 13.2 19.8





Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF112124\  
 Data File : BF140530.D  
 Acq On : 21 Nov 2024 12:05  
 Operator : RC/JU  
 Sample : SSTDICC010  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDICC010

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 11/22/2024  
 Supervised By :mohammad ahmed 11/27/2024

Quant Time: Nov 21 15:10:46 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF112124.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Nov 21 14:50:10 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.875  | 152  | 101758   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.151  | 136  | 377828   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.910  | 164  | 213774   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.398 | 188  | 399362   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 14.045 | 240  | 256196   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12              | 15.533 | 264  | 194024   | 20.000 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.498  | 112  | 125454   | 21.035 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.504  | 99   | 164515   | 20.866 | ng    | -0.01    |
| 23) Nitrobenzene-d5           | 7.428  | 82   | 152410   | 20.633 | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 10.698 | 330  | 44626    | 19.519 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.228  | 172  | 299817   | 20.896 | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.980 | 244  | 321362   | 19.532 | ng    | -0.01    |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.646  | 88   | 25524    | 10.179 | ng    | 99       |
| 3) Pyridine                   | 3.428  | 79   | 51851    | 9.398  | ng    | 96       |
| 4) n-Nitrosodimethylamine     | 3.357  | 42   | 31093    | 9.589  | ng    | 99       |
| 6) Aniline                    | 6.534  | 93   | 60808    | 10.957 | ng    | # 79     |
| 8) 2-Chlorophenol             | 6.657  | 128  | 67572    | 10.531 | ng    | 98       |
| 9) Benzaldehyde               | 6.422  | 77   | 51225    | 12.273 | ng    | 99       |
| 10) Phenol                    | 6.522  | 94   | 83830    | 10.411 | ng    | 94       |
| 11) bis(2-Chloroethyl)ether   | 6.604  | 93   | 63186    | 10.255 | ng    | 99       |
| 12) 1,3-Dichlorobenzene       | 6.810  | 146  | 75941    | 10.533 | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 6.887  | 146  | 76389    | 10.464 | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 7.040  | 146  | 72962    | 10.666 | ng    | 100      |
| 15) Benzyl Alcohol            | 7.010  | 79   | 59748    | 10.218 | ng    | 98       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.145  | 45   | 75295    | 10.344 | ng    | 79       |
| 17) 2-Methylphenol            | 7.128  | 107  | 52599    | 10.241 | ng    | 94       |
| 18) Hexachloroethane          | 7.381  | 117  | 27715    | 10.165 | ng    | 98       |
| 19) n-Nitroso-di-n-propyla... | 7.275  | 70   | 48309    | 10.367 | ng    | 98       |
| 20) 3+4-Methylphenols         | 7.281  | 107  | 69290    | 10.496 | ng    | 98       |
| 22) Acetophenone              | 7.275  | 105  | 96618    | 10.489 | ng    | 97       |
| 24) Nitrobenzene              | 7.451  | 77   | 77259    | 10.120 | ng    | 99       |
| 25) Isophorone                | 7.687  | 82   | 123528   | 10.026 | ng    | 99       |
| 26) 2-Nitrophenol             | 7.769  | 139  | 32564    | 9.625  | ng    | 98       |
| 27) 2,4-Dimethylphenol        | 7.804  | 122  | 40421    | 9.986  | ng    | 99       |
| 28) bis(2-Chloroethoxy)met... | 7.898  | 93   | 77116    | 10.274 | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 8.016  | 162  | 55037    | 10.261 | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 8.092  | 180  | 63769    | 10.413 | ng    | 98       |
| 31) Naphthalene               | 8.175  | 128  | 203054   | 10.434 | ng    | 99       |
| 32) Benzoic acid              | 7.887  | 122  | 19174m   | 11.820 | ng    |          |
| 33) 4-Chloroaniline           | 8.222  | 127  | 60102    | 10.315 | ng    | 99       |
| 34) Hexachlorobutadiene       | 8.287  | 225  | 42479    | 10.472 | ng    | 98       |
| 35) Caprolactam               | 8.563  | 113  | 17126    | 10.317 | ng    | 96       |
| 36) 4-Chloro-3-methylphenol   | 8.704  | 107  | 60104    | 10.008 | ng    | 99       |
| 37) 2-Methylnaphthalene       | 8.863  | 142  | 128393   | 10.387 | ng    | 100      |
| 38) 1-Methylnaphthalene       | 8.963  | 142  | 125672   | 10.372 | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 9.034  | 216  | 64508    | 10.308 | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 9.016  | 237  | 5836     | 11.063 | ng    | 98       |
| 43) 2,4,6-Trichlorophenol     | 9.145  | 196  | 38279    | 9.748  | ng    | 99       |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF112124\  
 Data File : BF140530.D  
 Acq On : 21 Nov 2024 12:05  
 Operator : RC/JU  
 Sample : SSTDICC010  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

## Instrument :

BNA\_F

## ClientSampleId :

SSTDICC010

## Manual Integrations

## APPROVED

Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/27/2024

Quant Time: Nov 21 15:10:46 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF112124.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Thu Nov 21 14:50:10 2024

Response via : Initial Calibration

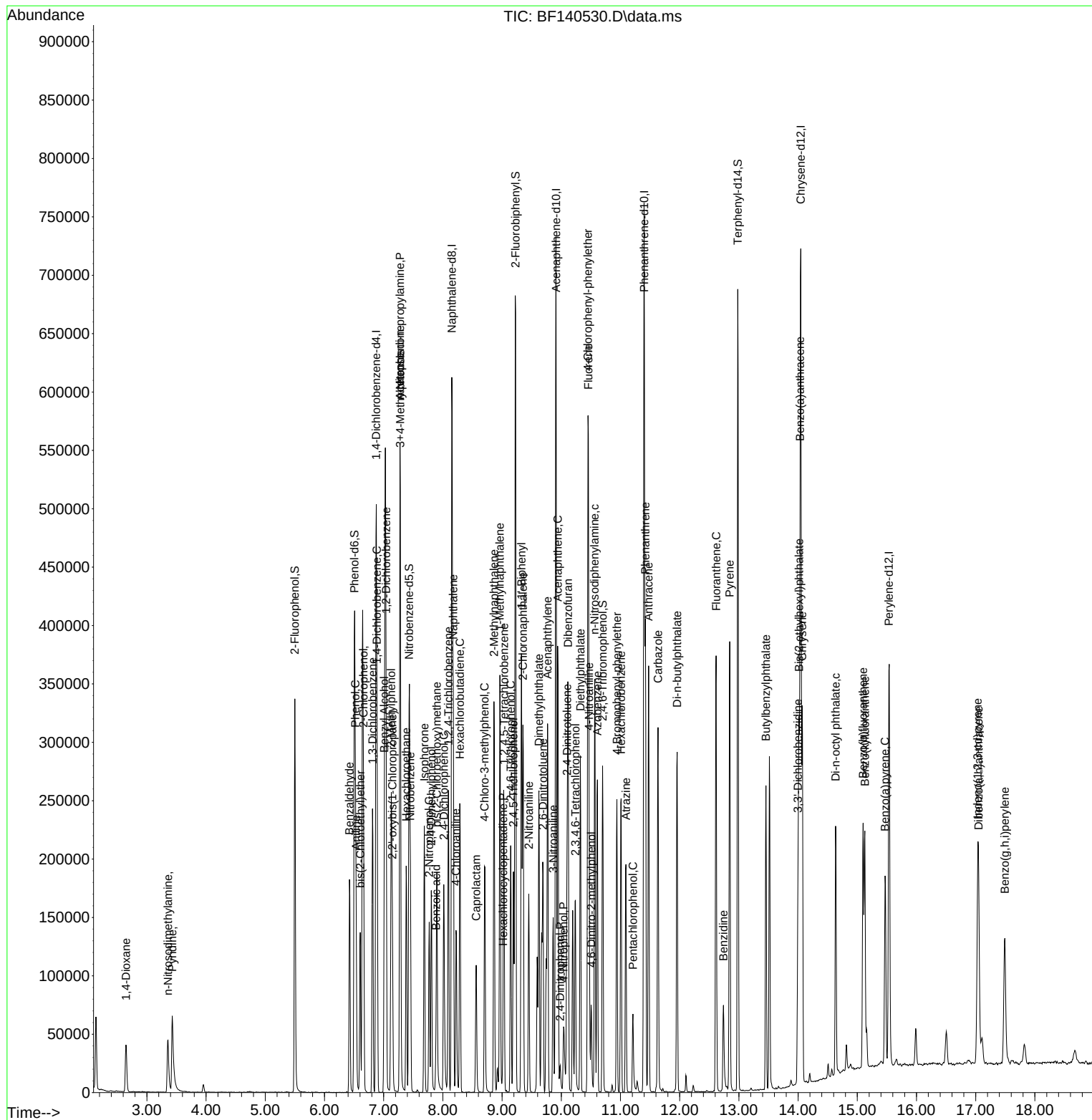
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.192  | 196  | 42321    | 9.930  | ng    | 99       |
| 46) 1,1'-Biphenyl             | 9.328  | 154  | 163500   | 10.244 | ng    | 99       |
| 47) 2-Chloronaphthalene       | 9.351  | 162  | 122350   | 10.117 | ng    | 99       |
| 48) 2-Nitroaniline            | 9.451  | 65   | 37481    | 9.655  | ng    | 98       |
| 49) Acenaphthylene            | 9.769  | 152  | 188676   | 10.326 | ng    | 99       |
| 50) Dimethylphthalate         | 9.622  | 163  | 142079   | 10.092 | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 9.692  | 165  | 31999    | 10.021 | ng    | 94       |
| 52) Acenaphthene              | 9.939  | 154  | 118691   | 10.031 | ng    | 99       |
| 53) 3-Nitroaniline            | 9.863  | 138  | 31781    | 10.177 | ng    | 96       |
| 54) 2,4-Dinitrophenol         | 9.981  | 184  | 6086     | 11.143 | ng    | 98       |
| 55) Dibenzofuran              | 10.116 | 168  | 185902   | 10.497 | ng    | 99       |
| 56) 4-Nitrophenol             | 10.039 | 139  | 17052    | 8.006  | ng    | 96       |
| 57) 2,4-Dinitrotoluene        | 10.098 | 165  | 43030    | 10.140 | ng    | 95       |
| 58) Fluorene                  | 10.457 | 166  | 150592   | 10.594 | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.239 | 232  | 31672    | 9.670  | ng    | 98       |
| 60) Diethylphthalate          | 10.322 | 149  | 146994   | 10.276 | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 10.451 | 204  | 72915    | 10.452 | ng    | 97       |
| 62) 4-Nitroaniline            | 10.469 | 138  | 32193    | 9.829  | ng    | 96       |
| 63) Azobenzene                | 10.610 | 77   | 141049   | 10.412 | ng    | 98       |
| 65) 4,6-Dinitro-2-methylph... | 10.510 | 198  | 14572    | 7.140  | ng    | 93       |
| 66) n-Nitrosodiphenylamine    | 10.563 | 169  | 123384   | 10.447 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 10.939 | 248  | 42955    | 10.444 | ng    | 98       |
| 68) Hexachlorobenzene         | 11.010 | 284  | 47993    | 10.078 | ng    | 97       |
| 69) Atrazine                  | 11.092 | 200  | 34193    | 10.292 | ng    | 100      |
| 70) Pentachlorophenol         | 11.210 | 266  | 14110    | 6.732  | ng    | 97       |
| 71) Phenanthrene              | 11.422 | 178  | 203602   | 10.606 | ng    | 99       |
| 72) Anthracene                | 11.475 | 178  | 198430   | 10.567 | ng    | 100      |
| 73) Carbazole                 | 11.633 | 167  | 189597   | 10.495 | ng    | 100      |
| 74) Di-n-butylphthalate       | 11.957 | 149  | 214564   | 10.288 | ng    | 99       |
| 75) Fluoranthene              | 12.616 | 202  | 221773   | 10.640 | ng    | 99       |
| 77) Benzidine                 | 12.739 | 184  | 54022    | 7.252  | ng    | 100      |
| 78) Pyrene                    | 12.845 | 202  | 230747   | 9.741  | ng    | 98       |
| 80) Butylbenzylphthalate      | 13.457 | 149  | 82557    | 9.674  | ng    | 100      |
| 81) Benzo(a)anthracene        | 14.033 | 228  | 168988   | 9.964  | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 13.998 | 252  | 49053    | 9.634  | ng    | 100      |
| 83) Chrysene                  | 14.069 | 228  | 161811   | 10.435 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 14.016 | 149  | 106093   | 9.846  | ng    | 100      |
| 85) Di-n-octyl phthalate      | 14.633 | 149  | 145085   | 9.852  | ng    | 100      |
| 87) Indeno(1,2,3-cd)pyrene    | 17.033 | 276  | 124455   | 9.843  | ng    | 99       |
| 88) Benzo(b)fluoranthene      | 15.098 | 252  | 121884   | 10.001 | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 15.127 | 252  | 119878   | 11.241 | ng    | 100      |
| 90) Benzo(a)pyrene            | 15.468 | 252  | 101824   | 10.276 | ng    | 97       |
| 91) Dibenzo(a,h)anthracene    | 17.051 | 278  | 100656   | 9.720  | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 17.492 | 276  | 105771   | 10.010 | ng    | 99       |

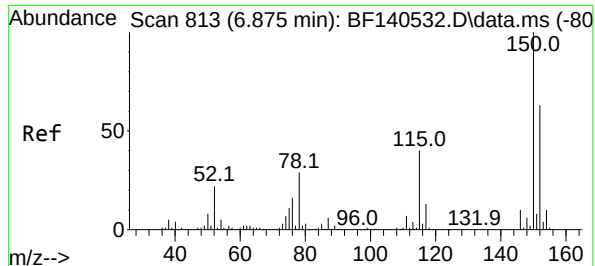
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

## Manual Integrations APPROVED

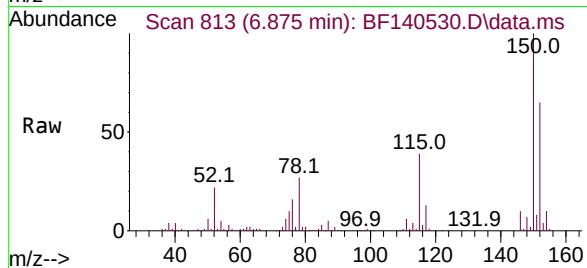
Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024





#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.875 min Scan# 81  
Delta R.T. -0.000 min  
Lab File: BF140530.D  
Acq: 21 Nov 2024 12:05

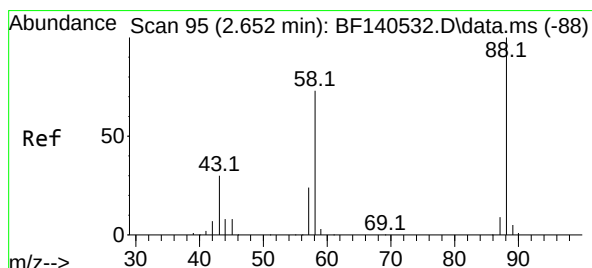
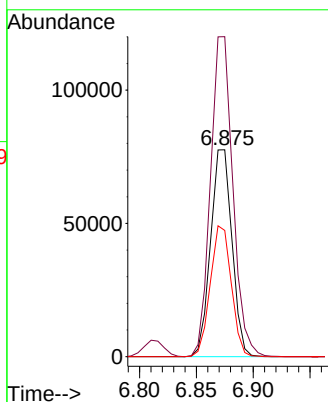
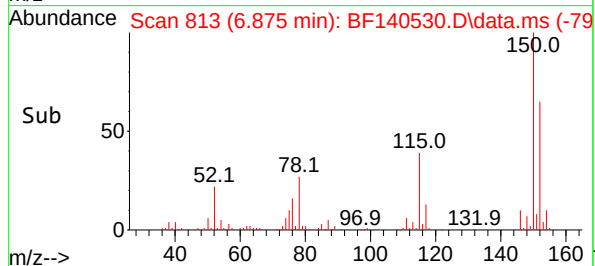
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC010



Tgt Ion:152 Resp: 101758  
Ion Ratio Lower Upper  
152 100  
150 154.6 128.5 192.7  
115 61.0 50.2 75.4

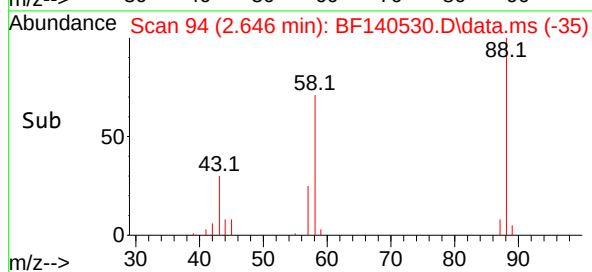
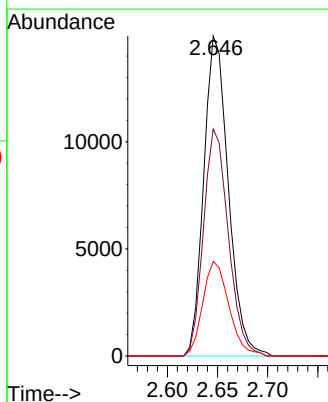
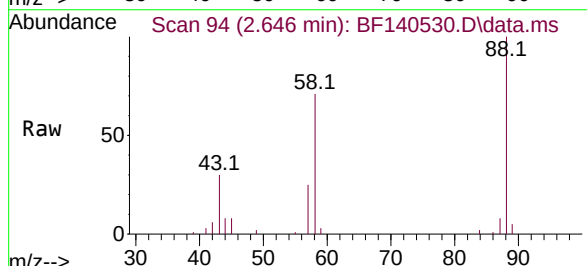
Manual Integrations  
APPROVED

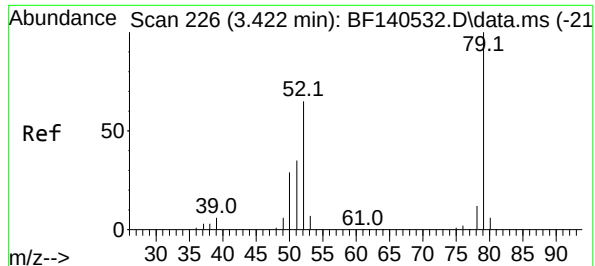
Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024



#2  
1,4-Dioxane  
Concen: 10.179 ng  
RT: 2.646 min Scan# 94  
Delta R.T. -0.006 min  
Lab File: BF140530.D  
Acq: 21 Nov 2024 12:05

Tgt Ion: 88 Resp: 25524  
Ion Ratio Lower Upper  
88 100  
58 71.6 57.4 86.2  
43 31.4 24.3 36.5





#3

Pyridine

Concen: 9.398 ng

RT: 3.428 min Scan# 215

Delta R.T. 0.006 min

Lab File: BF140530.D

Acq: 21 Nov 2024 12:05

Instrument :

BNA\_F

ClientSampleId :

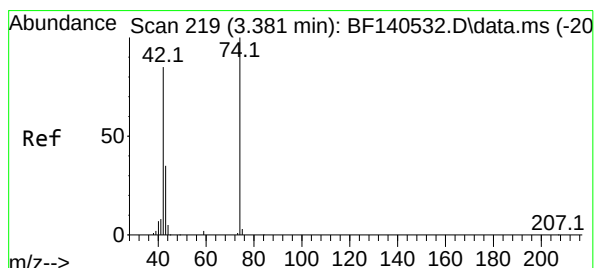
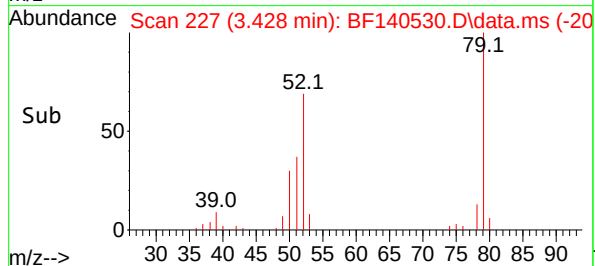
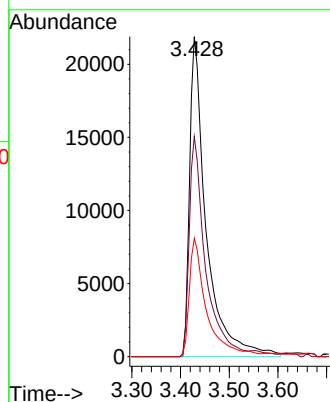
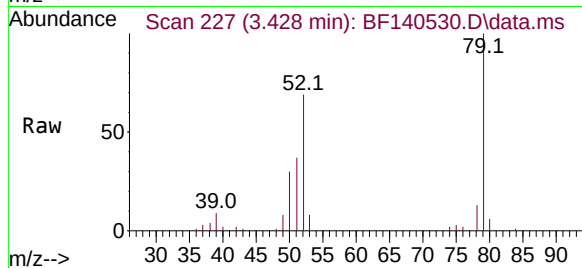
SSTDICC010

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 79    | Resp: | 5185  |
| Ion      | Ratio | Lower | Upper |
| 79       | 100   |       |       |
| 52       | 68.8  | 52.1  | 78.1  |
| 51       | 37.1  | 27.8  | 41.8  |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024



#4

n-Nitrosodimethylamine

Concen: 9.589 ng

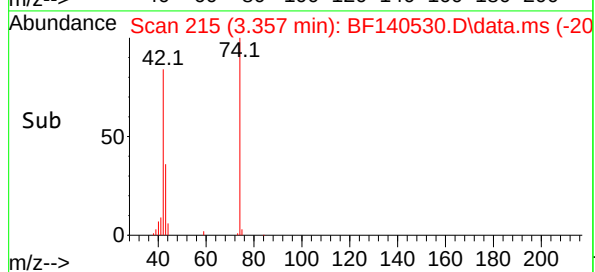
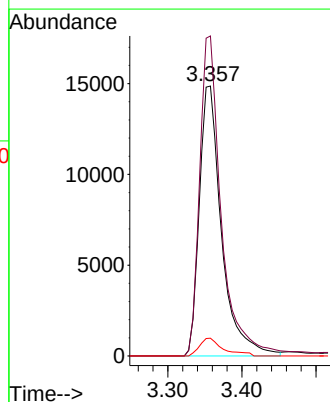
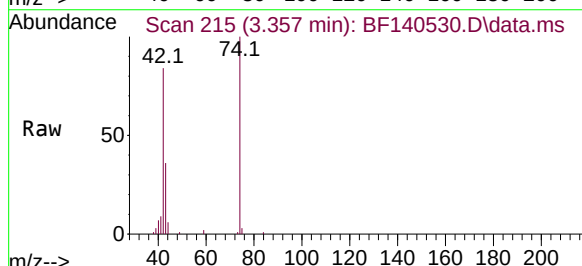
RT: 3.357 min Scan# 215

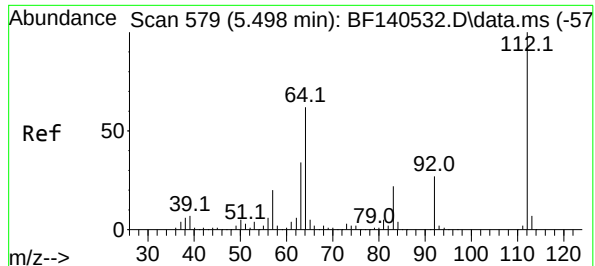
Delta R.T. -0.023 min

Lab File: BF140530.D

Acq: 21 Nov 2024 12:05

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 42    | Resp: | 31093 |
| Ion      | Ratio | Lower | Upper |
| 42       | 100   |       |       |
| 74       | 118.6 | 93.8  | 140.6 |
| 44       | 6.6   | 4.6   | 6.8   |





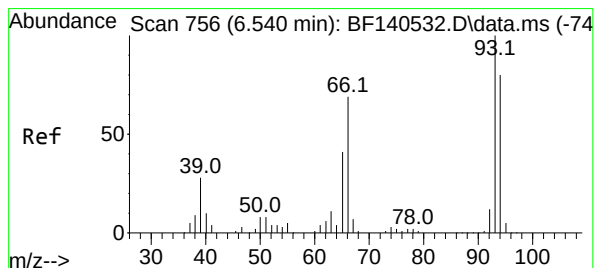
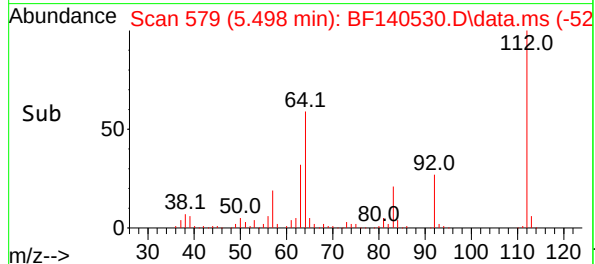
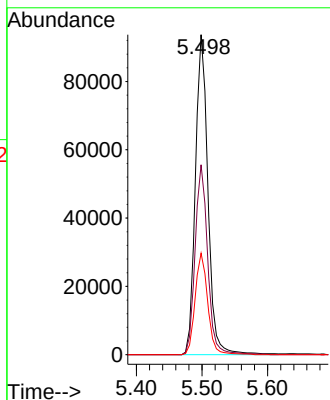
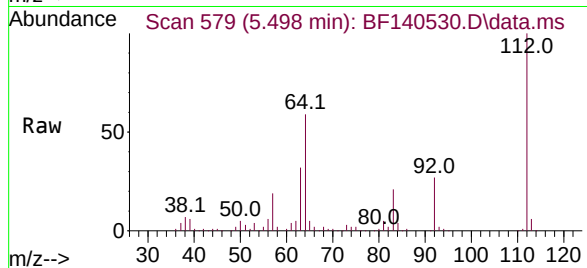
#5  
2-Fluorophenol  
Concen: 21.035 ng  
RT: 5.498 min Scan# 511  
Delta R.T. 0.000 min  
Lab File: BF140530.D  
Acq: 21 Nov 2024 12:05

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC010

Tgt Ion:112 Resp: 125454  
Ion Ratio Lower Upper  
112 100  
64 59.4 49.2 73.8  
63 31.7 27.0 40.4

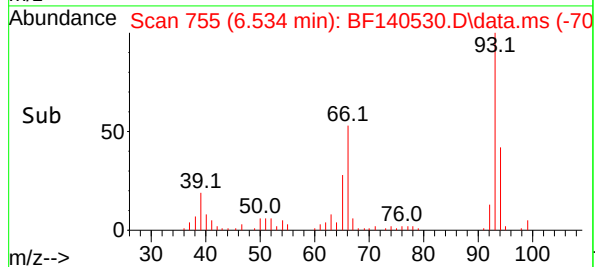
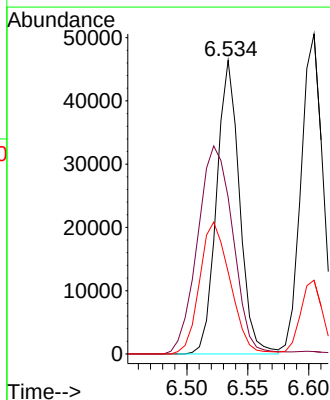
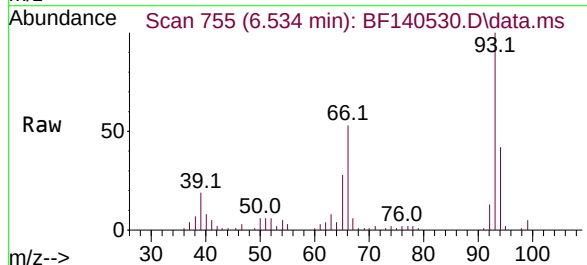
Manual Integrations  
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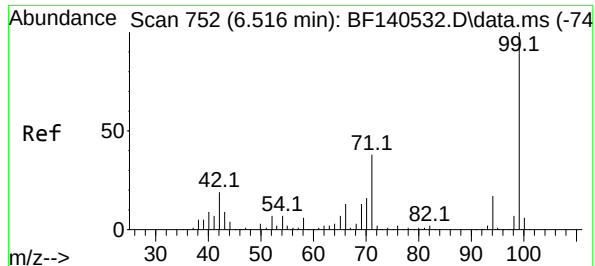
Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024



#6  
Aniline  
Concen: 10.957 ng  
RT: 6.534 min Scan# 755  
Delta R.T. -0.006 min  
Lab File: BF140530.D  
Acq: 21 Nov 2024 12:05

Tgt Ion: 93 Resp: 60808  
Ion Ratio Lower Upper  
93 100  
66 53.4 56.5 84.7#  
65 28.0 32.9 49.3#





#7

Phenol-d6

Concen: 20.866 ng

RT: 6.504 min Scan# 71

Delta R.T. -0.012 min

Lab File: BF140530.D

Acq: 21 Nov 2024 12:05

Instrument :

BNA\_F

ClientSampleId :

SSTDICC010

Tgt Ion: 99 Resp: 16451

Ion Ratio Lower Upper

99 100

42 19.0 15.4 23.0

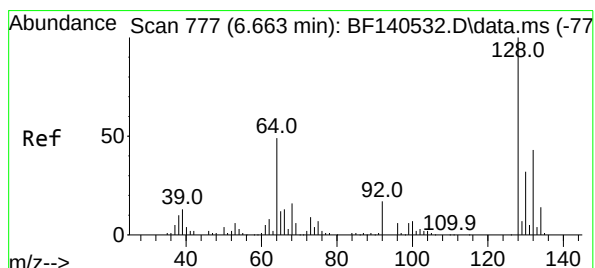
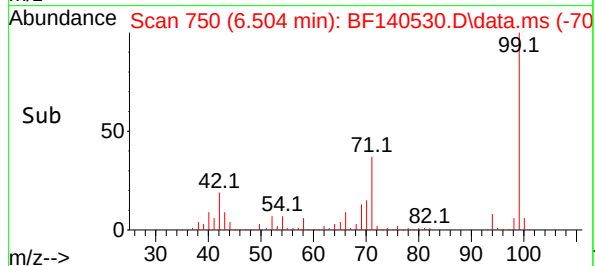
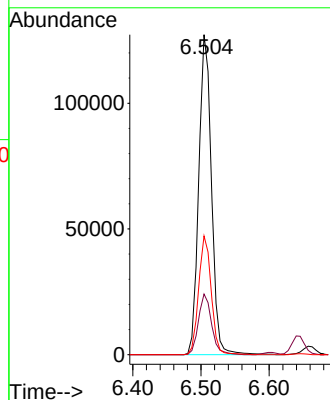
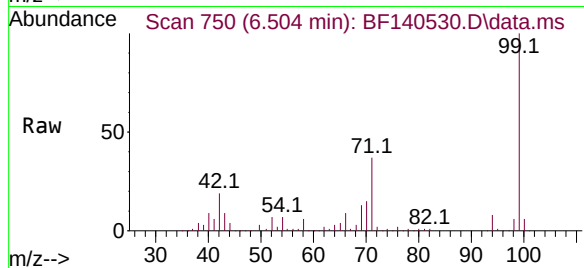
71 37.1 30.6 46.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/27/2024



#8

2-Chlorophenol

Concen: 10.531 ng

RT: 6.657 min Scan# 776

Delta R.T. -0.006 min

Lab File: BF140530.D

Acq: 21 Nov 2024 12:05

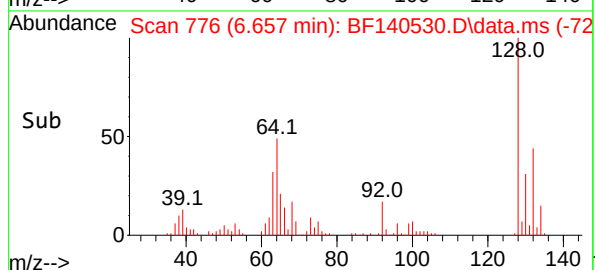
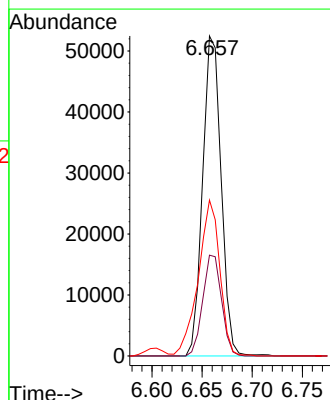
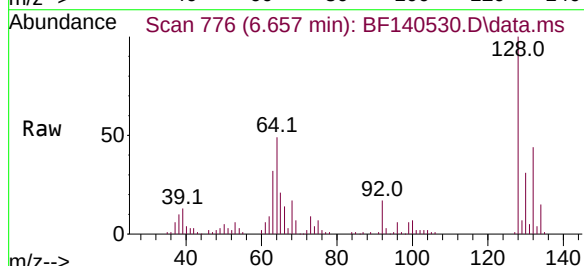
Tgt Ion:128 Resp: 67572

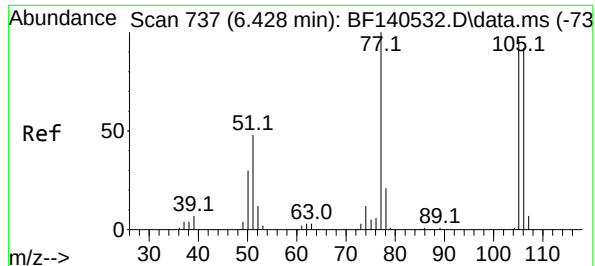
Ion Ratio Lower Upper

128 100

130 31.5 12.3 52.3

64 48.7 30.2 70.2





#9

Benzaldehyde

Concen: 12.273 ng

RT: 6.422 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF140530.D

Acq: 21 Nov 2024 12:05

Instrument :

BNA\_F

ClientSampleId :

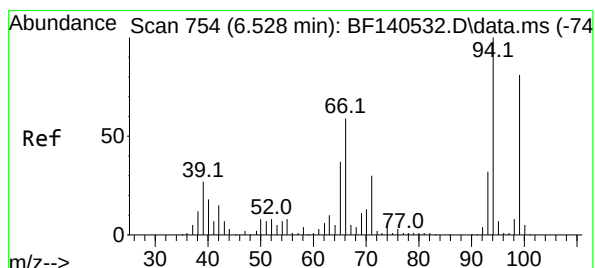
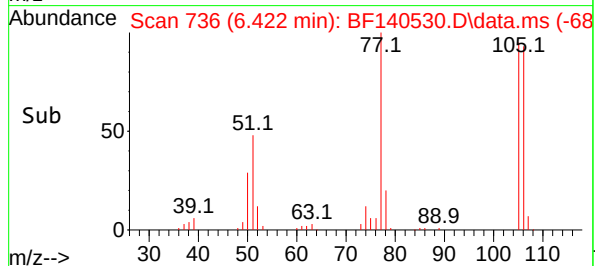
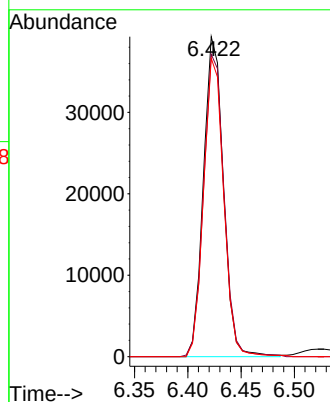
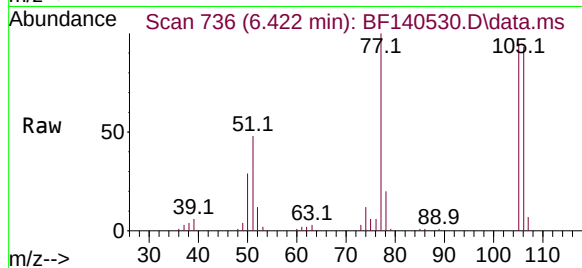
SSTDICC010

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 77    | Resp: | 5122  |
| Ion      | Ratio | Lower | Upper |
| 77       | 100   |       |       |
| 105      | 94.5  | 75.6  | 115.6 |
| 106      | 93.3  | 72.0  | 112.0 |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024



#10

Phenol

Concen: 10.411 ng

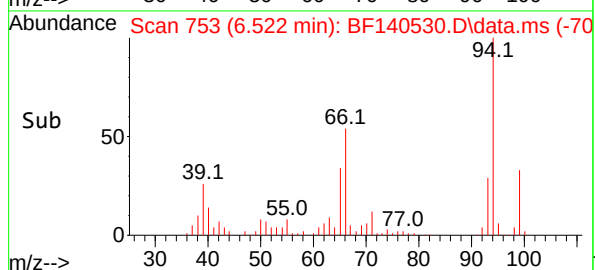
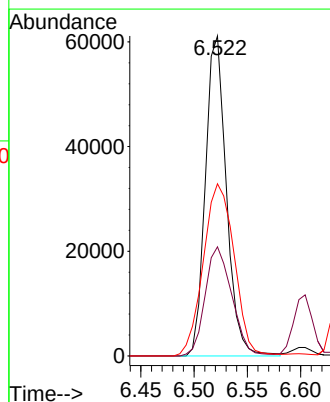
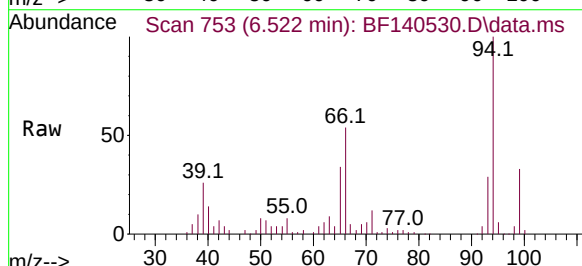
RT: 6.522 min Scan# 753

Delta R.T. -0.006 min

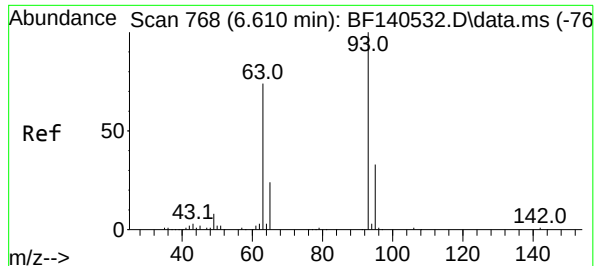
Lab File: BF140530.D

Acq: 21 Nov 2024 12:05

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 94    | Resp: | 83830 |
| Ion      | Ratio | Lower | Upper |
| 94       | 100   |       |       |
| 65       | 34.1  | 17.2  | 57.2  |
| 66       | 53.8  | 39.2  | 79.2  |







#11

bis(2-Chloroethyl)ether

Concen: 10.255 ng

RT: 6.604 min Scan# 768

Delta R.T. -0.006 min

Lab File: BF140530.D

Acq: 21 Nov 2024 12:05

Instrument :

BNA\_F

ClientSampleId :

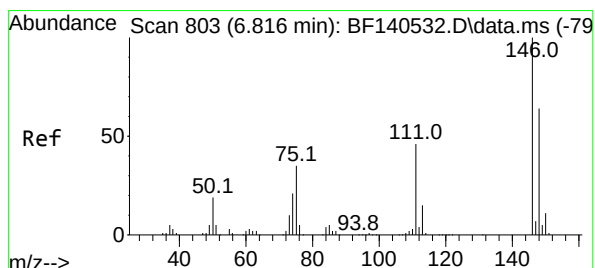
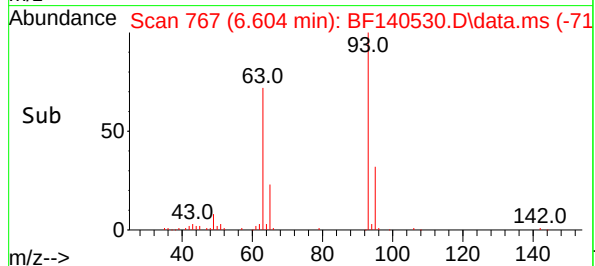
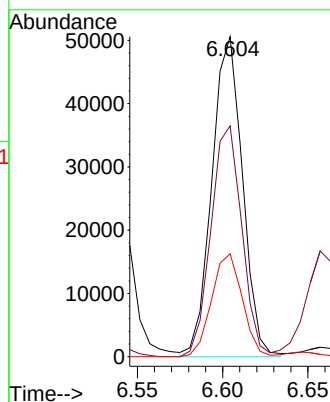
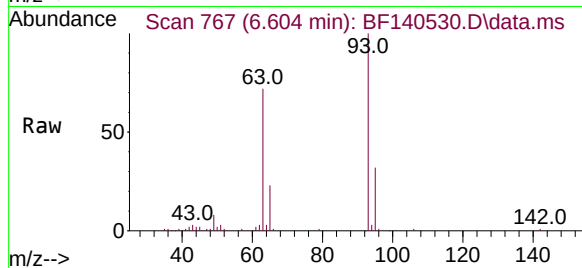
SSTDICC010

|             |             |
|-------------|-------------|
| Tgt Ion: 93 | Resp: 63180 |
| Ion Ratio   | Lower Upper |
| 93 100      |             |
| 63 72.2     | 52.8 92.8   |
| 95 32.2     | 12.3 52.3   |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024



#12

1,3-Dichlorobenzene

Concen: 10.533 ng

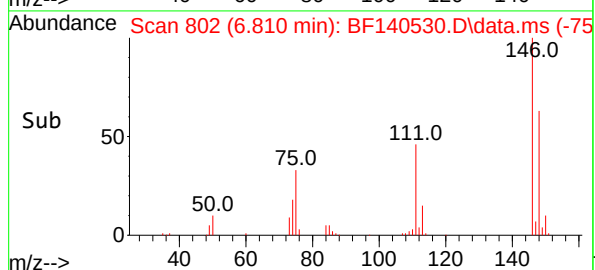
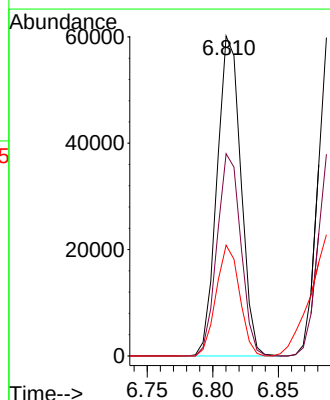
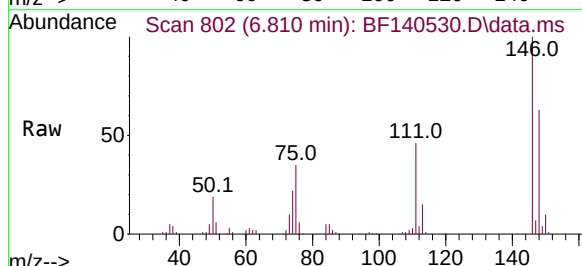
RT: 6.810 min Scan# 802

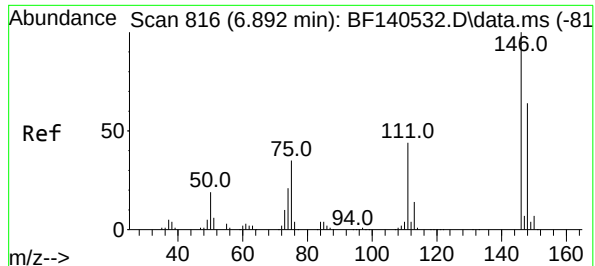
Delta R.T. -0.006 min

Lab File: BF140530.D

Acq: 21 Nov 2024 12:05

|             |             |
|-------------|-------------|
| Tgt Ion:146 | Resp: 75941 |
| Ion Ratio   | Lower Upper |
| 146 100     |             |
| 148 63.2    | 51.3 76.9   |
| 75 34.6     | 28.2 42.2   |





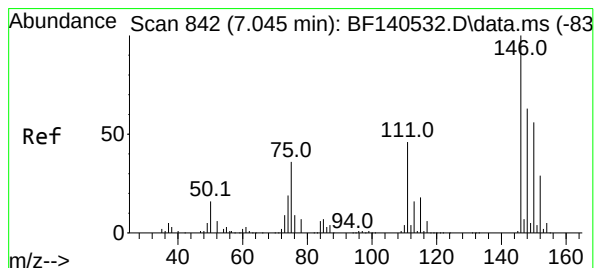
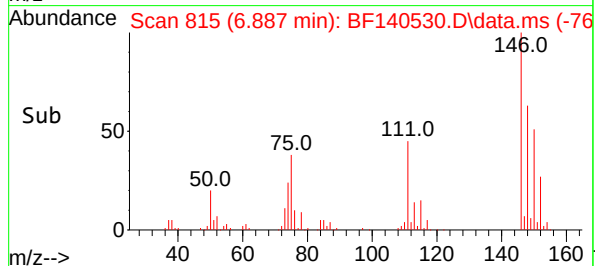
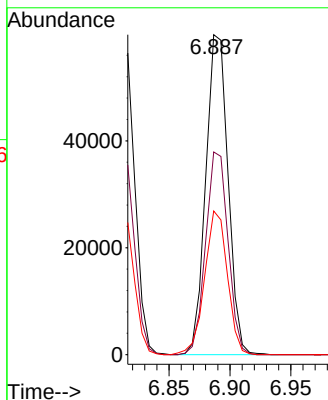
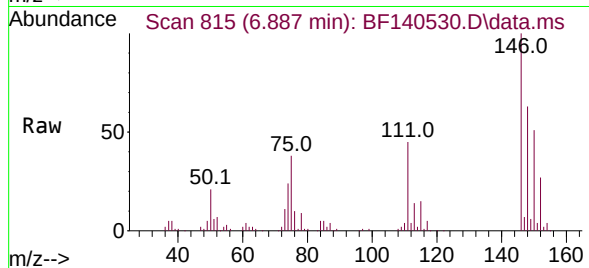
#13  
1,4-Dichlorobenzene  
Concen: 10.464 ng  
RT: 6.887 min Scan# 815  
Delta R.T. -0.006 min  
Lab File: BF140530.D  
Acq: 21 Nov 2024 12:05

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC010

Tgt Ion:146 Resp: 76389  
Ion Ratio Lower Upper  
146 100  
148 63.4 51.0 76.6  
111 44.9 35.3 52.9

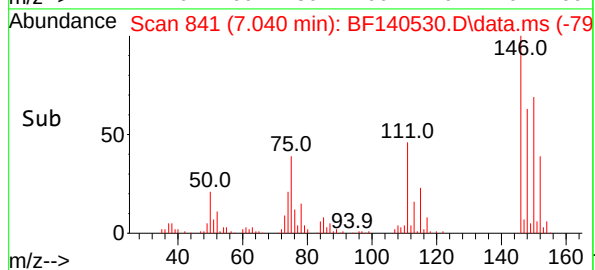
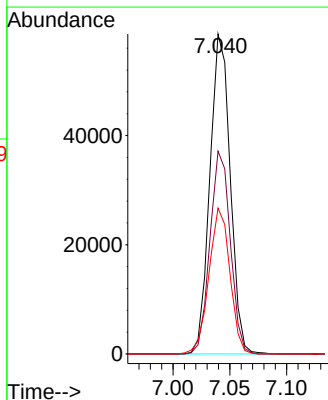
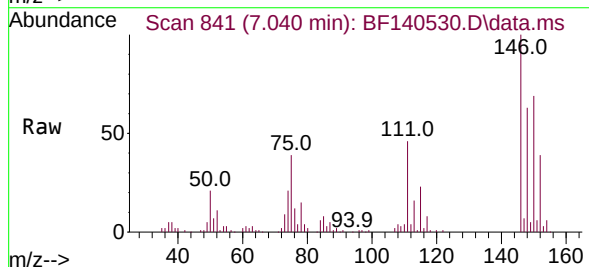
Manual Integrations  
APPROVED

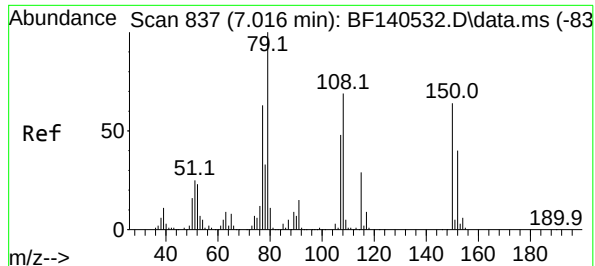
Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024



#14  
1,2-Dichlorobenzene  
Concen: 10.666 ng  
RT: 7.040 min Scan# 841  
Delta R.T. -0.006 min  
Lab File: BF140530.D  
Acq: 21 Nov 2024 12:05

Tgt Ion:146 Resp: 72962  
Ion Ratio Lower Upper  
146 100  
148 63.3 50.5 75.7  
111 45.6 36.7 55.1





#15

Benzyl Alcohol

Concen: 10.218 ng

RT: 7.010 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF140530.D

Acq: 21 Nov 2024 12:05

Instrument :

BNA\_F

ClientSampleId :

SSTDICC010

Tgt Ion: 79 Resp: 5974

Ion Ratio Lower Upper

79 100

108 70.8 55.0 82.6

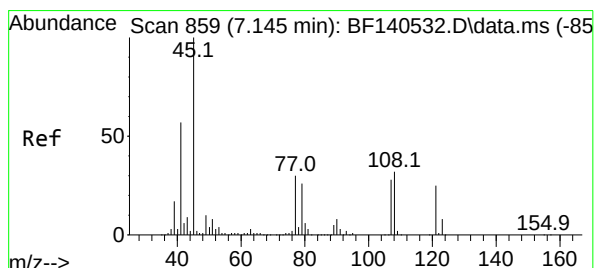
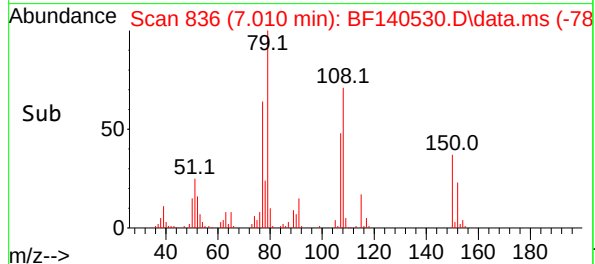
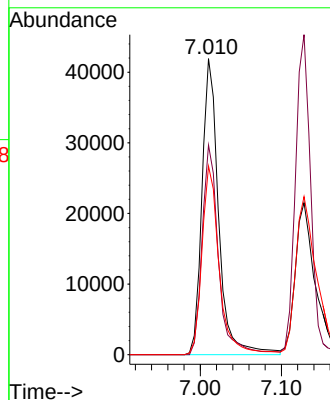
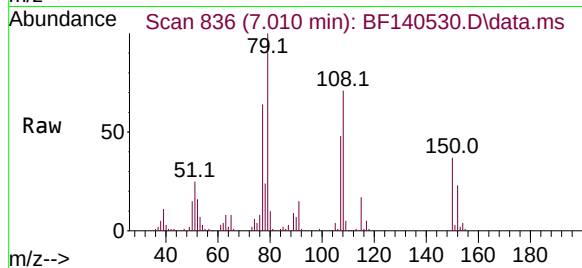
77 63.7 50.1 75.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/27/2024



#16

2,2'-oxybis(1-Chloropropane)

Concen: 10.344 ng

RT: 7.145 min Scan# 859

Delta R.T. 0.000 min

Lab File: BF140530.D

Acq: 21 Nov 2024 12:05

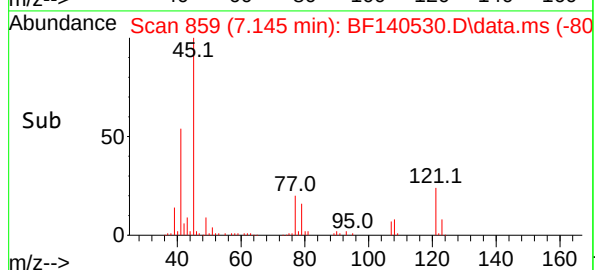
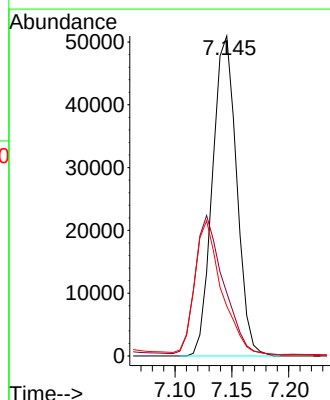
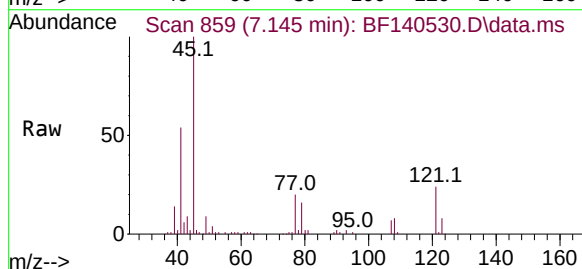
Tgt Ion: 45 Resp: 75295

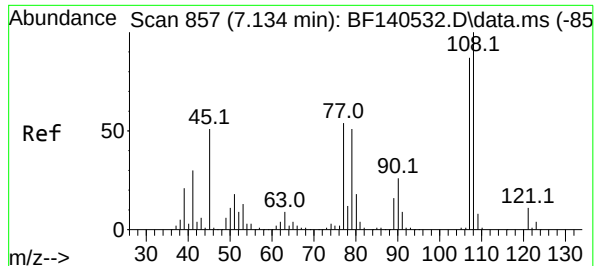
Ion Ratio Lower Upper

45 100

77 19.7 10.7 50.7

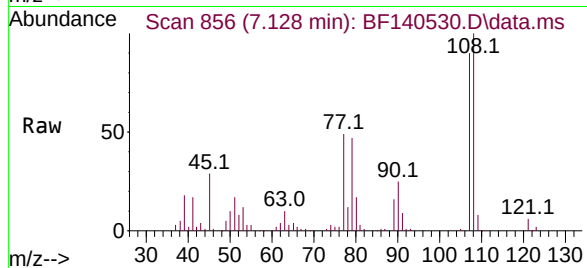
79 15.6 7.0 47.0





#17  
2-Methylphenol  
Concen: 10.241 ng  
RT: 7.128 min Scan# 856  
Delta R.T. -0.006 min  
Lab File: BF140530.D  
Acq: 21 Nov 2024 12:05

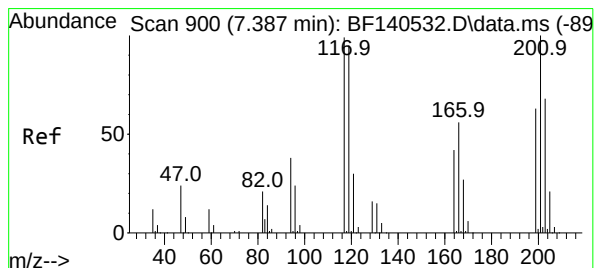
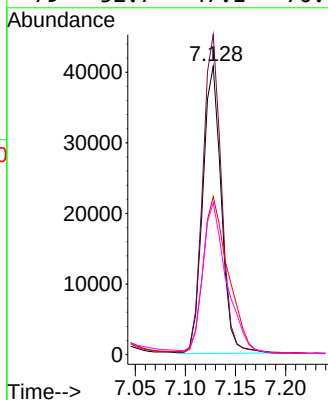
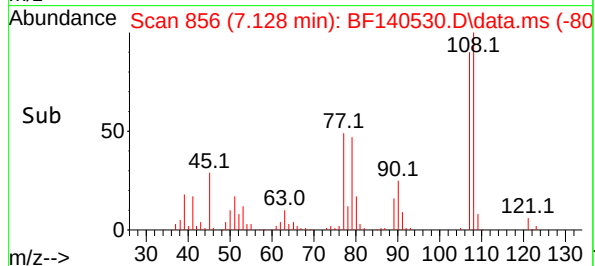
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC010



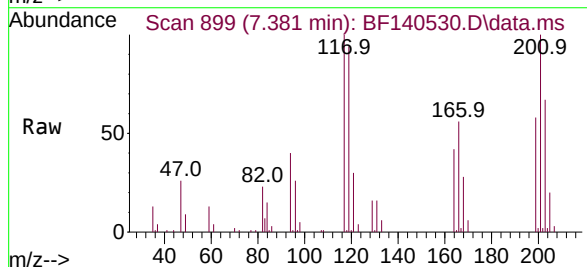
Tgt Ion:107 Resp: 5259  
Ion Ratio Lower Upper  
107 100  
108 110.9 91.7 137.5  
77 54.8 49.3 73.9  
79 52.7 47.1 70.7

Manual Integrations  
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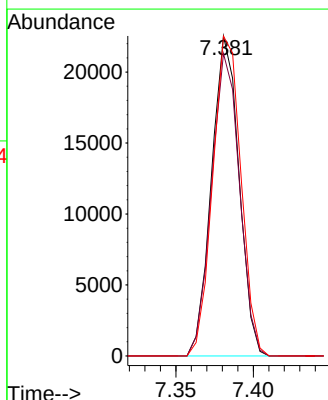
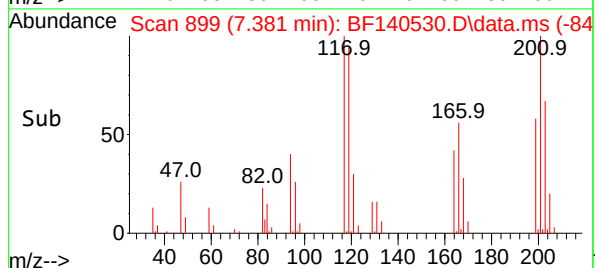
Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024

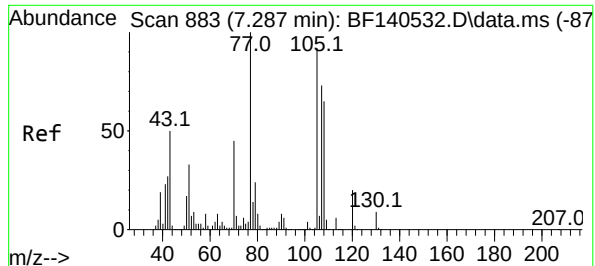


#18  
Hexachloroethane  
Concen: 10.165 ng  
RT: 7.381 min Scan# 899  
Delta R.T. -0.006 min  
Lab File: BF140530.D  
Acq: 21 Nov 2024 12:05



Tgt Ion:117 Resp: 27715  
Ion Ratio Lower Upper  
117 100  
119 94.5 77.1 115.7  
201 99.9 81.1 121.7





#19

n-Nitroso-di-n-propylamine

Concen: 10.367 ng

RT: 7.275 min Scan# 881

Delta R.T. -0.012 min

Lab File: BF140530.D

Acq: 21 Nov 2024 12:05

Instrument :

BNA\_F

ClientSampleId :

SSTDICC010

Tgt Ion: 70 Resp: 48309

Ion Ratio Lower Upper

70 100

42 57.7 47.6 71.4

101 9.7 7.6 11.4

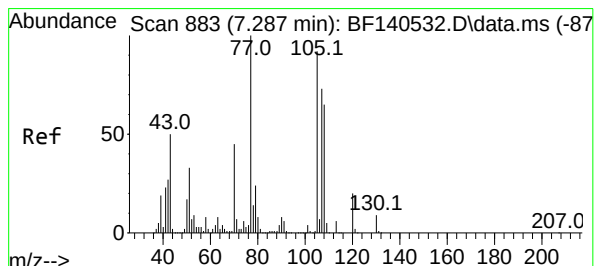
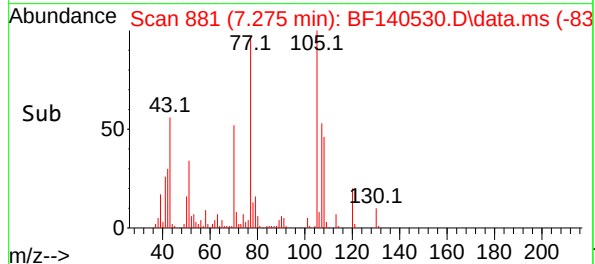
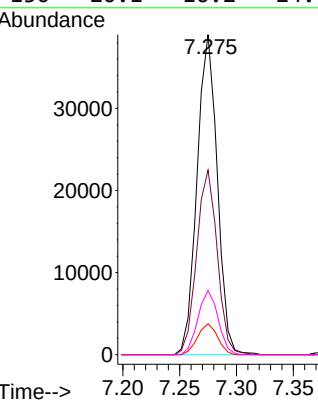
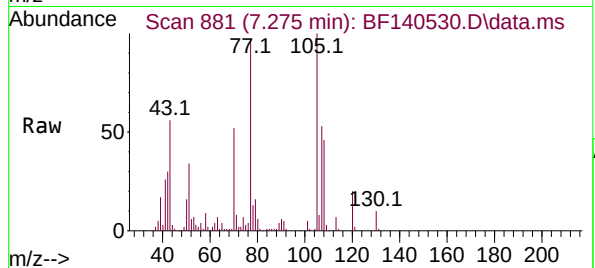
130 20.1 16.2 24.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/27/2024



#20

3+4-Methylphenols

Concen: 10.496 ng

RT: 7.281 min Scan# 882

Delta R.T. -0.006 min

Lab File: BF140530.D

Acq: 21 Nov 2024 12:05

Tgt Ion:107 Resp: 69290

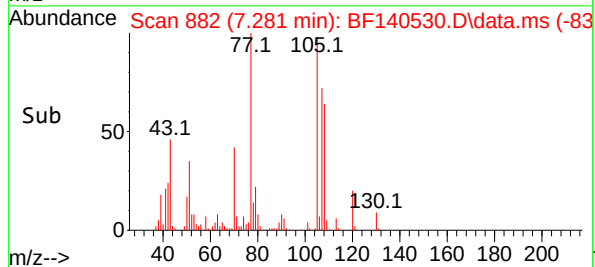
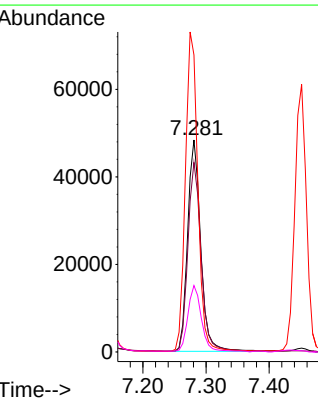
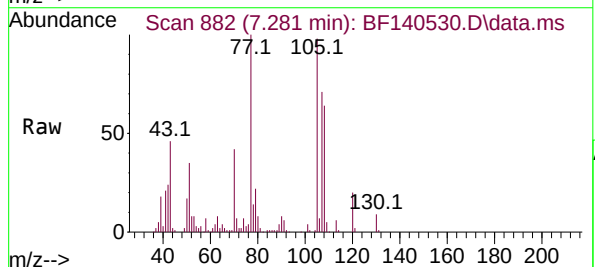
Ion Ratio Lower Upper

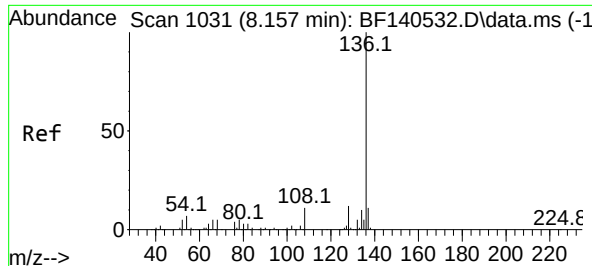
107 100

108 89.4 69.9 109.9

77 140.1 117.7 157.7

79 31.3 13.4 53.4





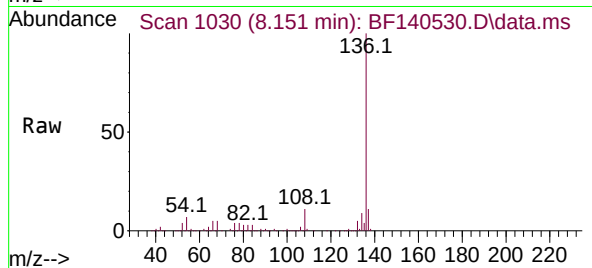
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.151 min Scan# 1030  
Delta R.T. -0.006 min  
Lab File: BF140530.D  
Acq: 21 Nov 2024 12:05

Instrument :

BNA\_F

ClientSampleId :

SSTDICC010

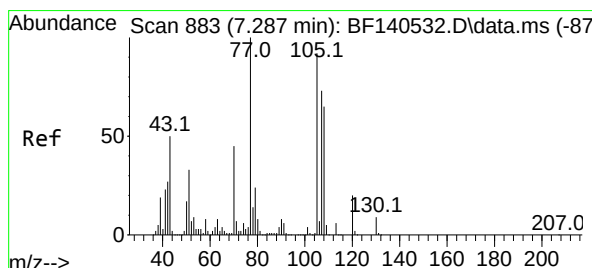
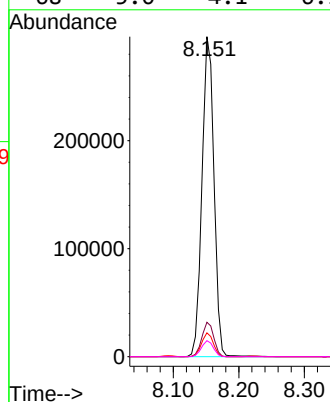
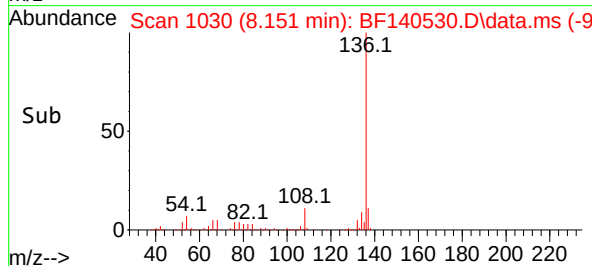


Tgt Ion:136 Resp: 377828  
Ion Ratio Lower Upper  
136 100  
137 10.8 8.6 13.0  
54 7.4 5.8 8.8  
68 5.0 4.1 6.1

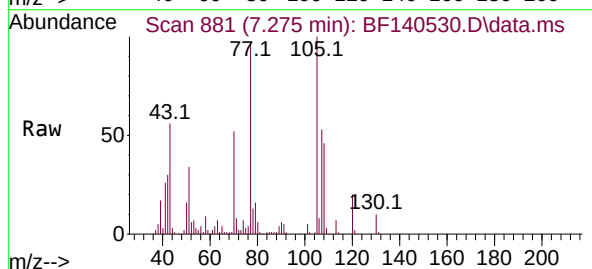
Manual Integrations

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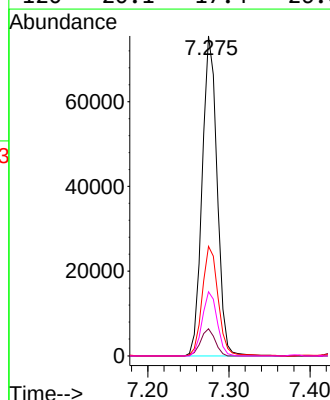
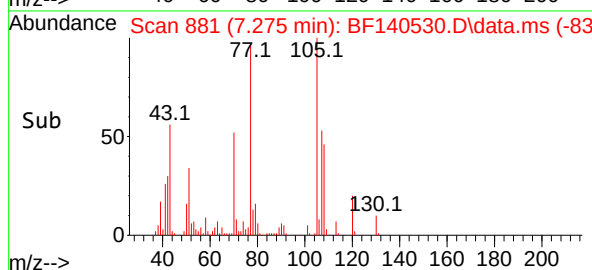
Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024

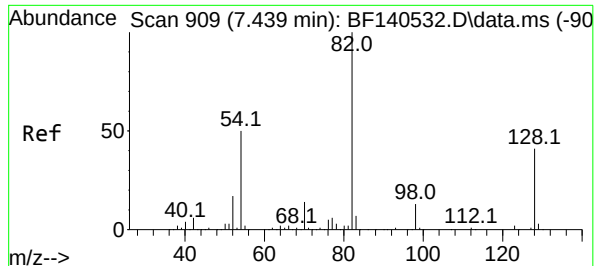


#22  
Acetophenone  
Concen: 10.489 ng  
RT: 7.275 min Scan# 881  
Delta R.T. -0.012 min  
Lab File: BF140530.D  
Acq: 21 Nov 2024 12:05



Tgt Ion:105 Resp: 96618  
Ion Ratio Lower Upper  
105 100  
71 8.5 6.2 9.2  
51 34.3 29.0 43.6  
120 20.1 17.4 26.0





#23

Nitrobenzene-d5

Concen: 20.633 ng

RT: 7.428 min Scan# 909

Delta R.T. -0.012 min

Lab File: BF140530.D

Acq: 21 Nov 2024 12:05

Instrument :

BNA\_F

ClientSampleId :

SSTDICC010

Tgt Ion: 82 Resp: 152410

Ion Ratio Lower Upper

82 100

128 39.7 33.0 49.4

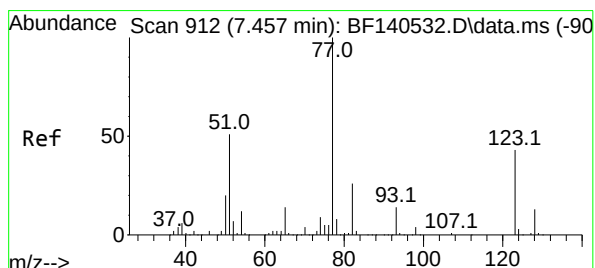
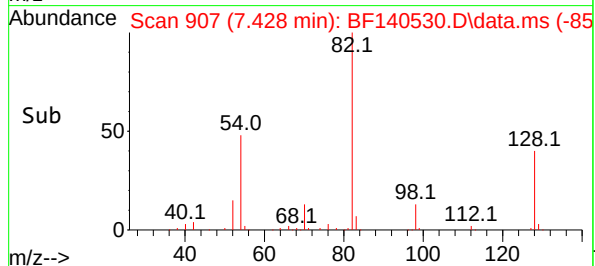
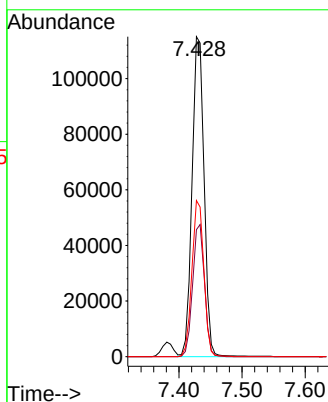
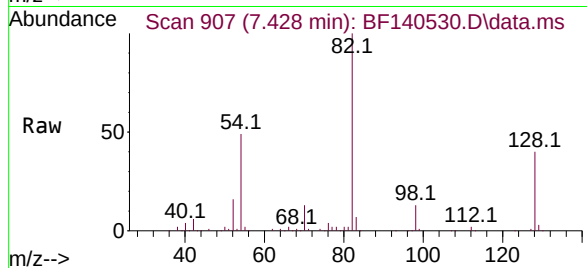
54 48.8 39.5 59.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/27/2024



#24

Nitrobenzene

Concen: 10.120 ng

RT: 7.451 min Scan# 911

Delta R.T. -0.006 min

Lab File: BF140530.D

Acq: 21 Nov 2024 12:05

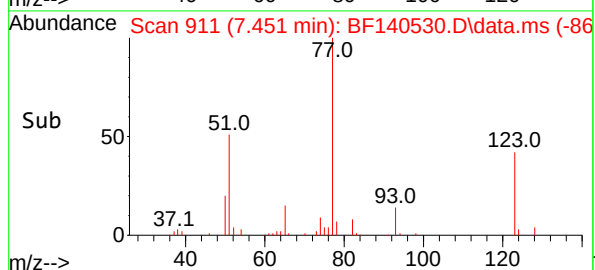
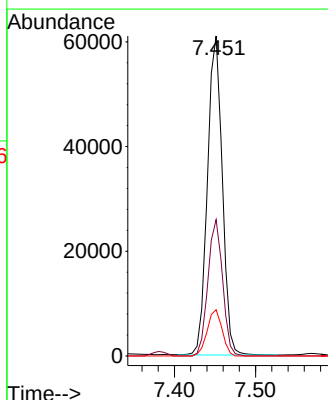
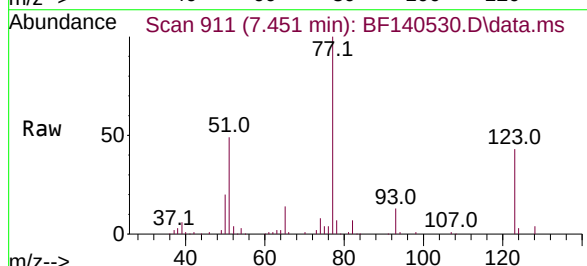
Tgt Ion: 77 Resp: 77259

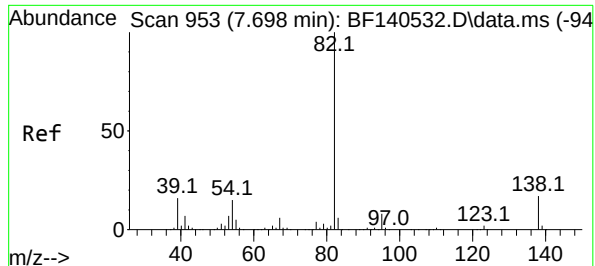
Ion Ratio Lower Upper

77 100

123 42.6 34.3 51.5

65 14.4 11.2 16.8





#25

Isophorone

Concen: 10.026 ng

RT: 7.687 min Scan# 91

Delta R.T. -0.012 min

Lab File: BF140530.D

Acq: 21 Nov 2024 12:05

Instrument :

BNA\_F

ClientSampleId :

SSTDICC010

Tgt Ion: 82 Resp: 123528

Ion Ratio Lower Upper

82 100

95 8.1 6.4 9.6

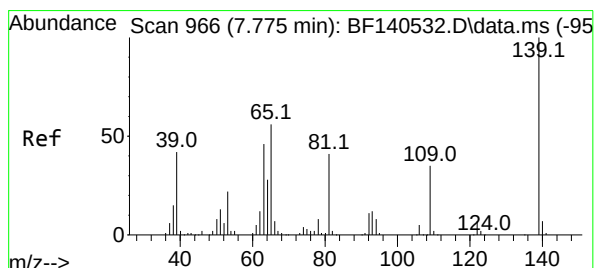
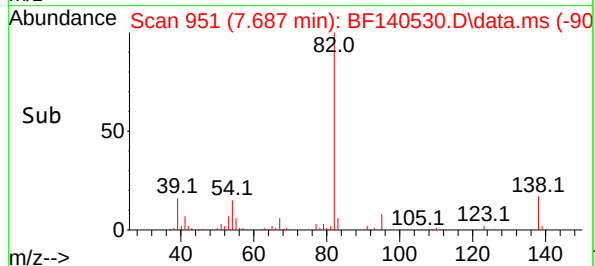
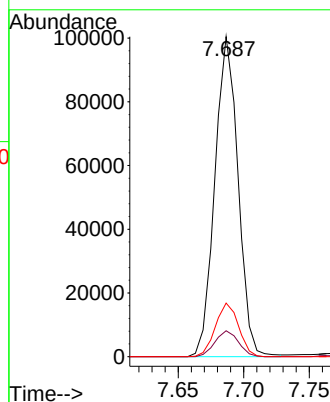
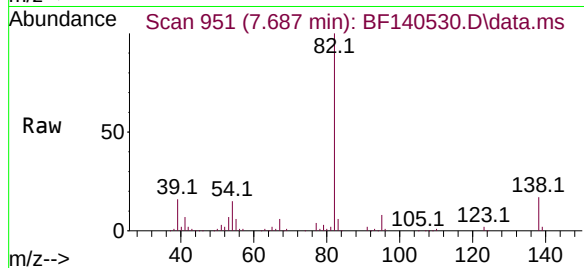
138 16.7 13.8 20.6

Manual Integrations

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Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/27/2024



#26

2-Nitrophenol

Concen: 9.625 ng

RT: 7.769 min Scan# 965

Delta R.T. -0.006 min

Lab File: BF140530.D

Acq: 21 Nov 2024 12:05

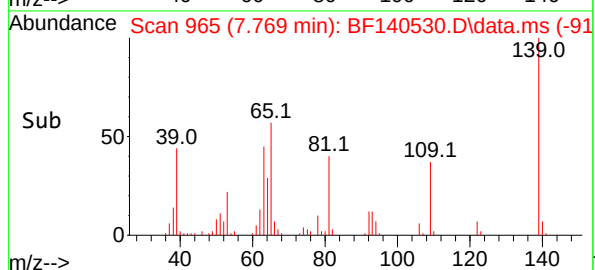
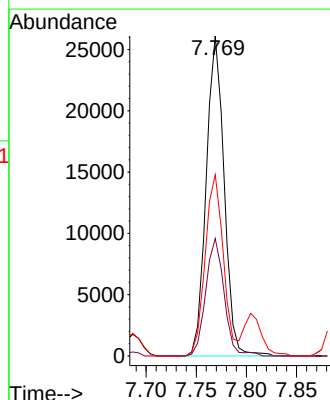
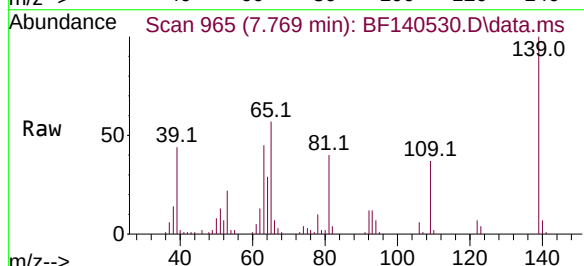
Tgt Ion:139 Resp: 32564

Ion Ratio Lower Upper

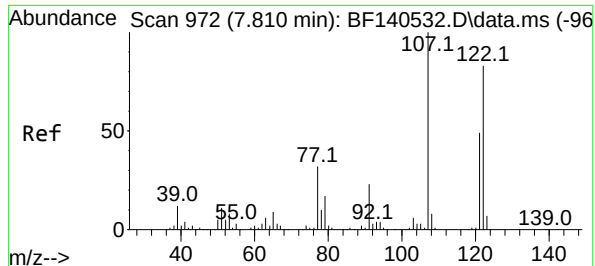
139 100

109 36.7 28.0 42.0

65 56.7 44.6 67.0







#27

2,4-Dimethylphenol

Concen: 9.986 ng

RT: 7.804 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF140530.D

Acq: 21 Nov 2024 12:05

Instrument :

BNA\_F

ClientSampleId :

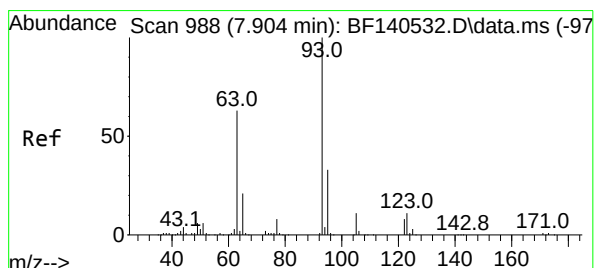
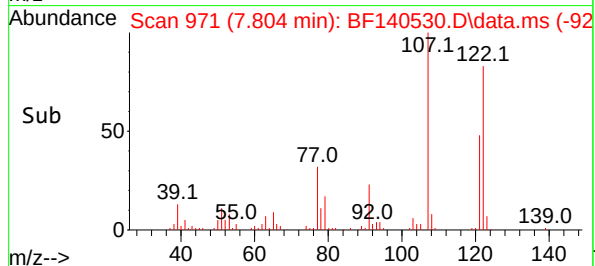
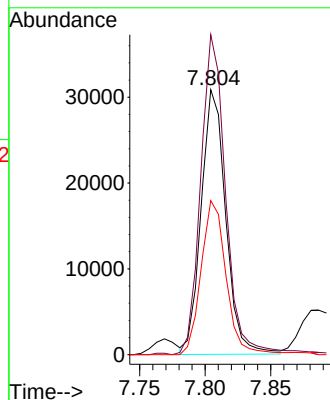
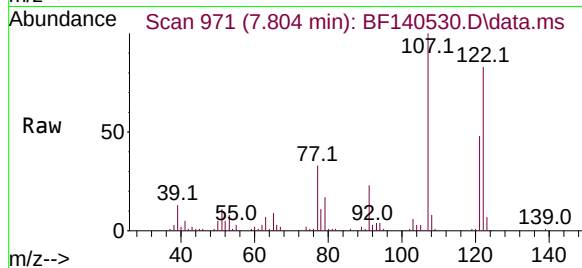
SSTDICC010

| Tgt Ion: | 122   | Resp: | 4042  |
|----------|-------|-------|-------|
| Ion      | Ratio | Lower | Upper |
| 122      | 100   |       |       |
| 107      | 120.8 | 96.8  | 145.2 |
| 121      | 58.2  | 47.4  | 71.0  |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024



#28

bis(2-Chloroethoxy)methane

Concen: 10.274 ng

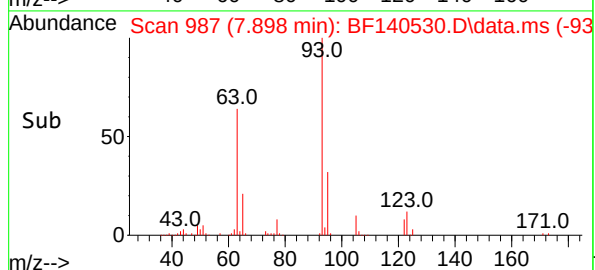
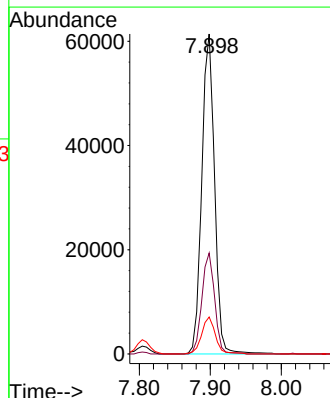
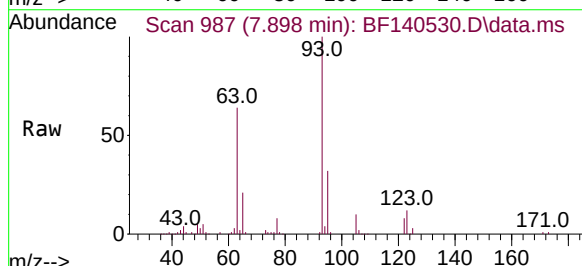
RT: 7.898 min Scan# 987

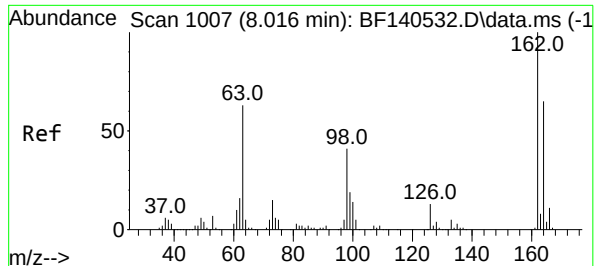
Delta R.T. -0.006 min

Lab File: BF140530.D

Acq: 21 Nov 2024 12:05

| Tgt Ion: | 93    | Resp: | 77116 |
|----------|-------|-------|-------|
| Ion      | Ratio | Lower | Upper |
| 93       | 100   |       |       |
| 95       | 31.6  | 26.1  | 39.1  |
| 123      | 11.6  | 9.1   | 13.7  |





#29

2,4-Dichlorophenol

Concen: 10.261 ng

RT: 8.016 min Scan# 1007

Delta R.T. 0.000 min

Lab File: BF140530.D

Acq: 21 Nov 2024 12:05

Instrument :

BNA\_F

ClientSampleId :

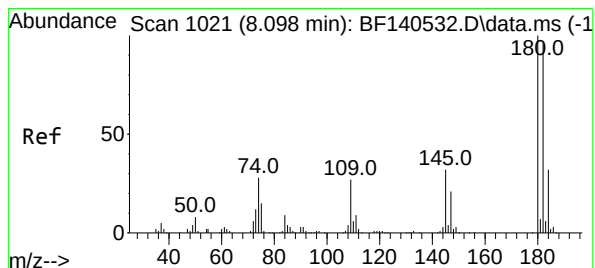
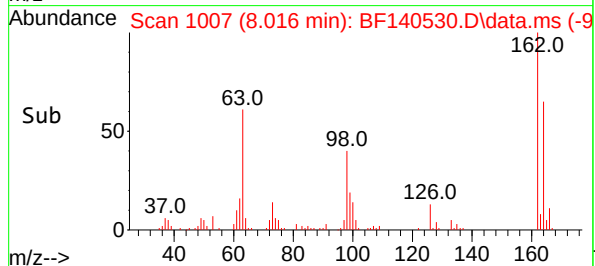
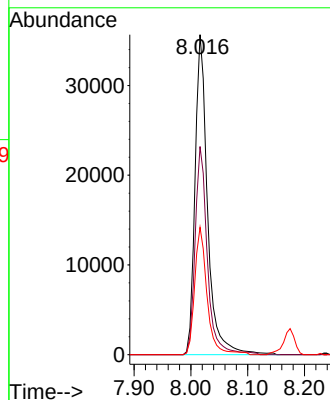
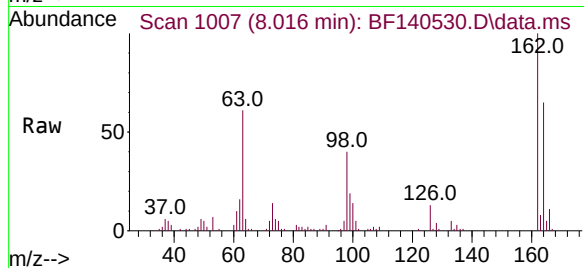
SSTDICC010

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 162   | Resp: | 5503 |
| Ion Ratio | Lower | Upper |      |
| 162       | 100   |       |      |
| 164       | 65.0  | 44.8  | 84.8 |
| 98        | 39.8  | 21.2  | 61.2 |

Manual Integrations

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Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024



#30

1,2,4-Trichlorobenzene

Concen: 10.413 ng

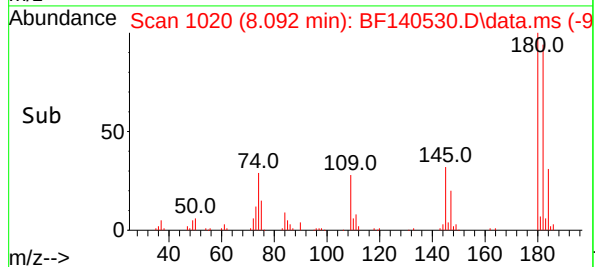
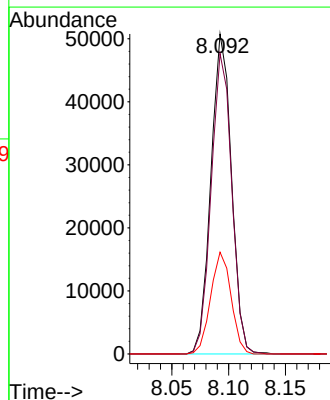
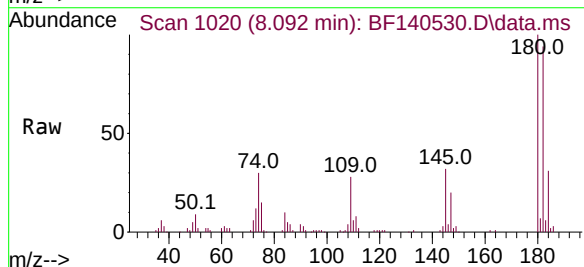
RT: 8.092 min Scan# 1020

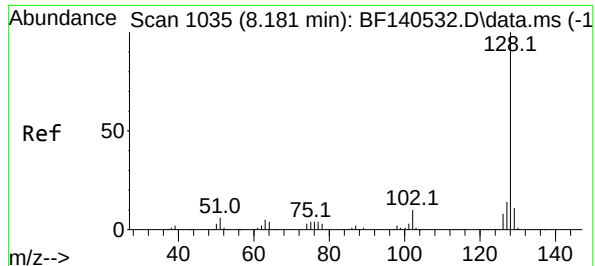
Delta R.T. -0.006 min

Lab File: BF140530.D

Acq: 21 Nov 2024 12:05

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 63769 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 93.8  | 76.4  | 114.6 |
| 145       | 31.8  | 25.9  | 38.9  |





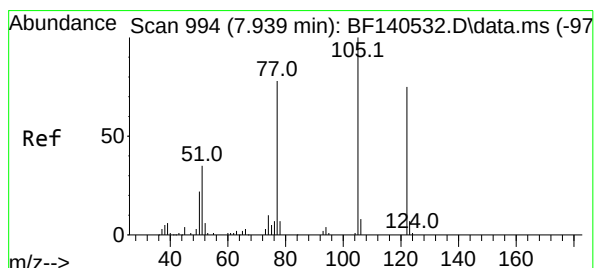
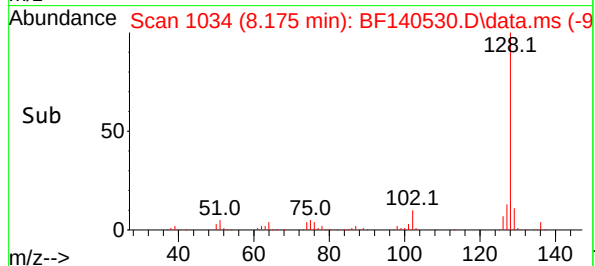
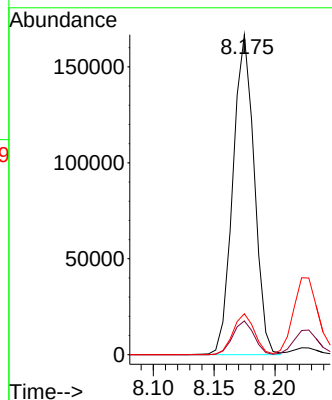
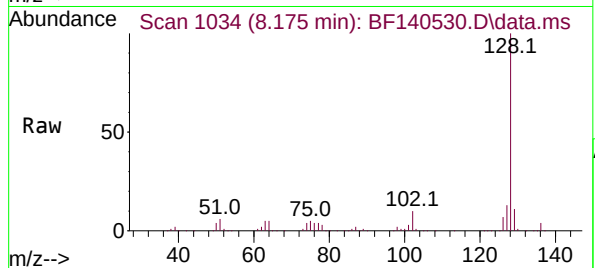
#31  
Naphthalene  
Concen: 10.434 ng  
RT: 8.175 min Scan# 1035  
Delta R.T. -0.006 min  
Lab File: BF140530.D  
Acq: 21 Nov 2024 12:05

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC010

Tgt Ion:128 Resp: 203054  
Ion Ratio Lower Upper  
128 100  
129 10.6 8.6 13.0  
127 12.8 10.8 16.2

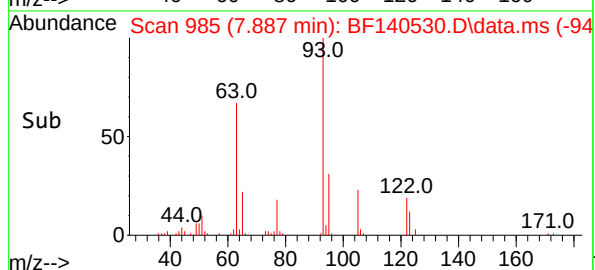
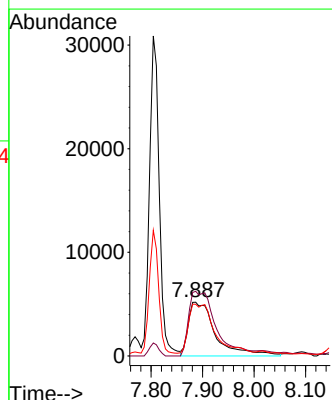
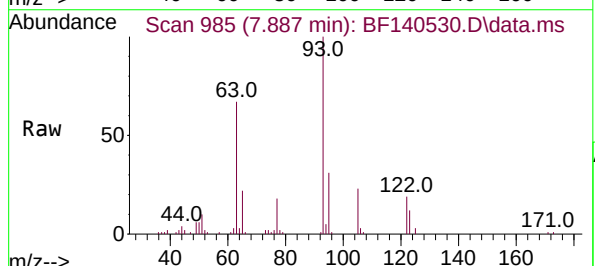
Manual Integrations  
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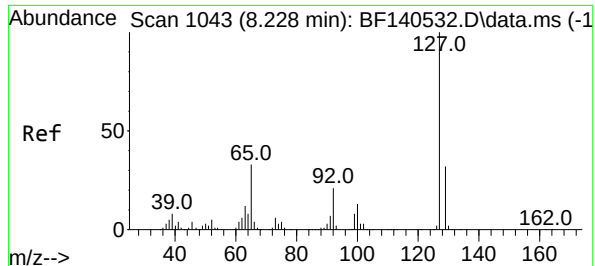
Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024



#32  
Benzoic acid  
Concen: 11.820 ng m  
RT: 7.887 min Scan# 985  
Delta R.T. -0.052 min  
Lab File: BF140530.D  
Acq: 21 Nov 2024 12:05

Tgt Ion:122 Resp: 19174  
Ion Ratio Lower Upper  
122 100  
105 120.1 109.3 149.3  
77 96.0 82.3 122.3





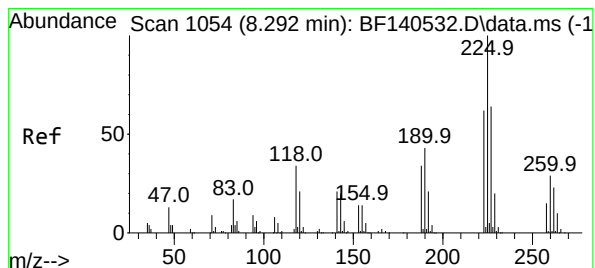
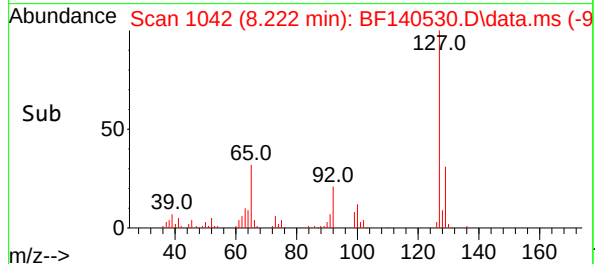
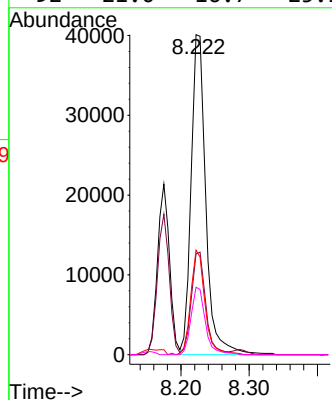
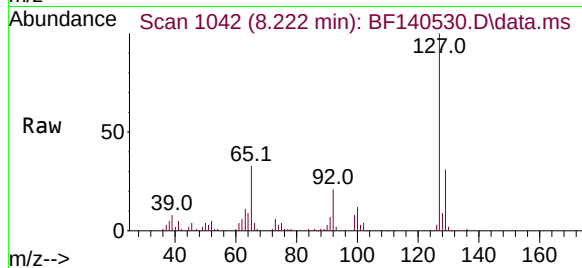
#33  
4-Chloroaniline  
Concen: 10.315 ng  
RT: 8.222 min Scan# 1042  
Delta R.T. -0.006 min  
Lab File: BF140530.D  
Acq: 21 Nov 2024 12:05

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC010

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 127     | 100   |       |       |
| 129     | 31.5  | 26.0  | 39.0  |
| 65      | 32.6  | 26.0  | 39.0  |
| 92      | 21.0  | 16.7  | 25.1  |

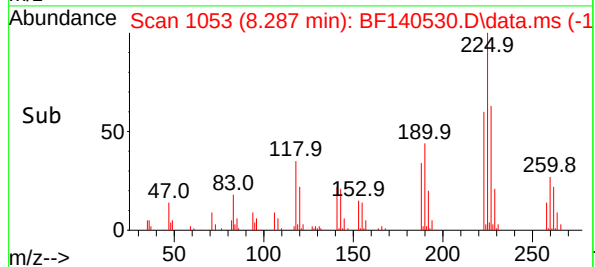
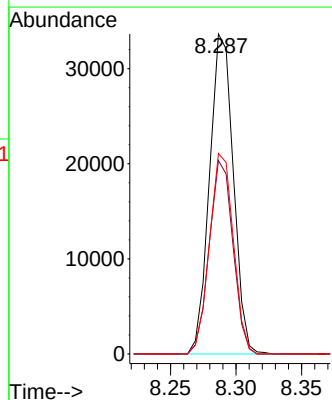
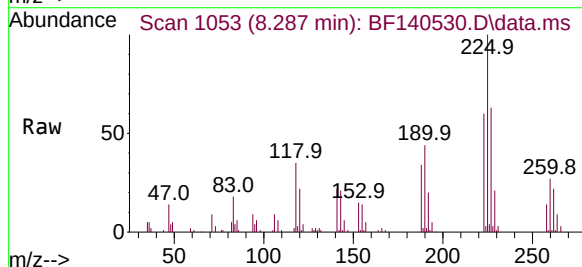
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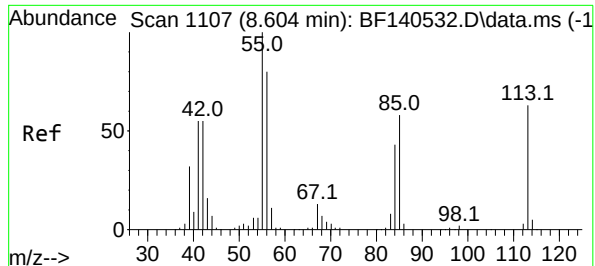
Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024



#34  
Hexachlorobutadiene  
Concen: 10.472 ng  
RT: 8.287 min Scan# 1053  
Delta R.T. -0.006 min  
Lab File: BF140530.D  
Acq: 21 Nov 2024 12:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 60.4  | 49.8  | 74.8  |
| 227     | 62.7  | 51.3  | 76.9  |





#35

Caprolactam

Concen: 10.317 ng

RT: 8.563 min Scan# 1107

Delta R.T. -0.041 min

Lab File: BF140530.D

Acq: 21 Nov 2024 12:05

Instrument :

BNA\_F

ClientSampleId :

SSTDICC010

Tgt Ion:113 Resp: 17120

Ion Ratio Lower Upper

113 100

55 151.0 137.7 177.7

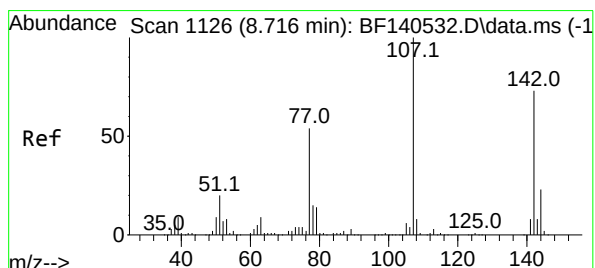
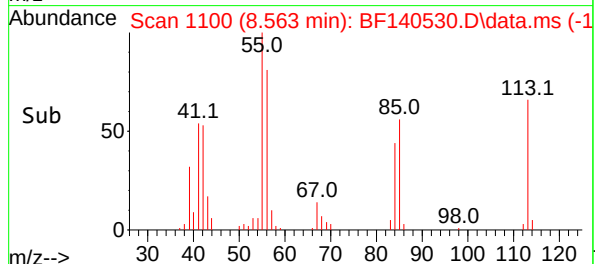
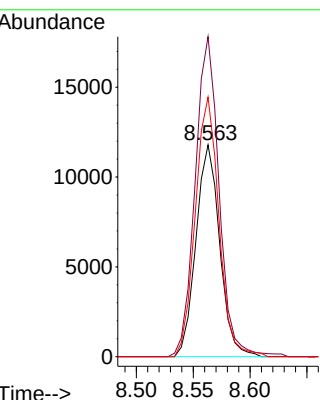
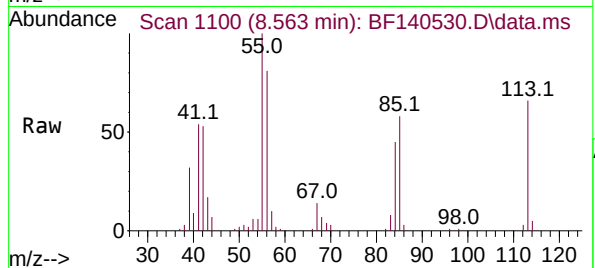
56 122.5 106.4 146.4

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Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/27/2024



#36

4-Chloro-3-methylphenol

Concen: 10.008 ng

RT: 8.704 min Scan# 1124

Delta R.T. -0.012 min

Lab File: BF140530.D

Acq: 21 Nov 2024 12:05

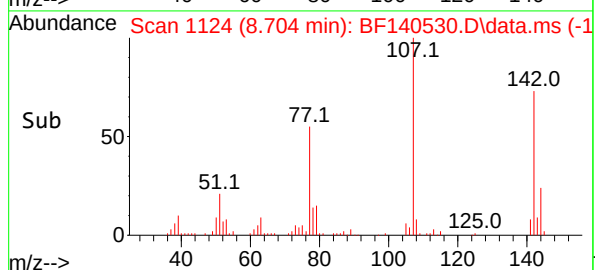
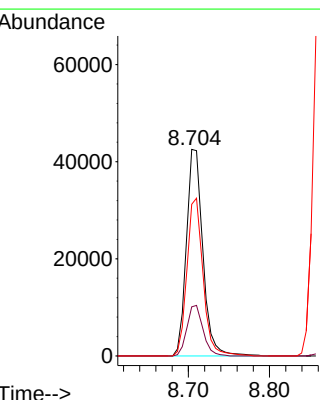
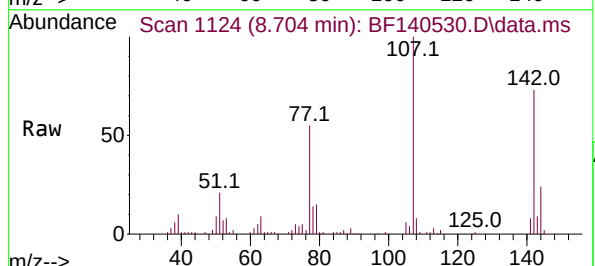
Tgt Ion:107 Resp: 60104

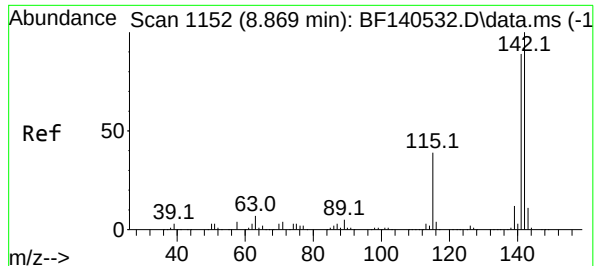
Ion Ratio Lower Upper

107 100

144 23.8 18.7 28.1

142 73.4 58.3 87.5





#37

2-Methylnaphthalene

Concen: 10.387 ng

RT: 8.863 min Scan# 1151

Delta R.T. -0.006 min

Lab File: BF140530.D

Acq: 21 Nov 2024 12:05

Instrument :

BNA\_F

ClientSampleId :

SSTDICC010

Tgt Ion:142 Resp: 12839

Ion Ratio Lower Upper

142 100

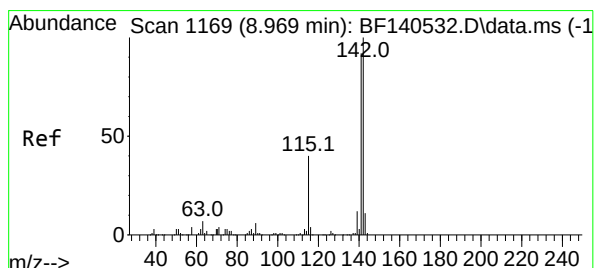
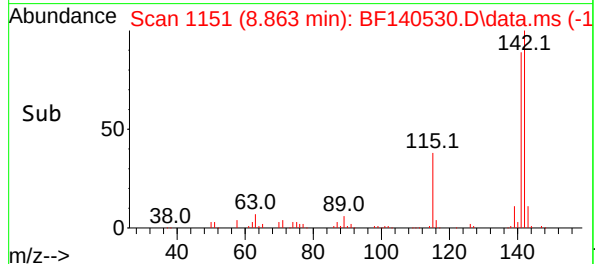
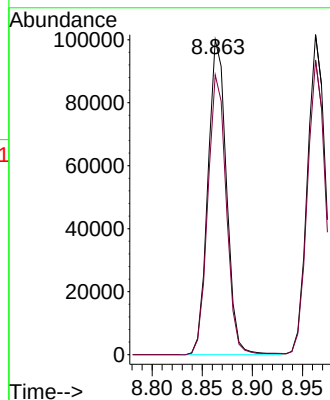
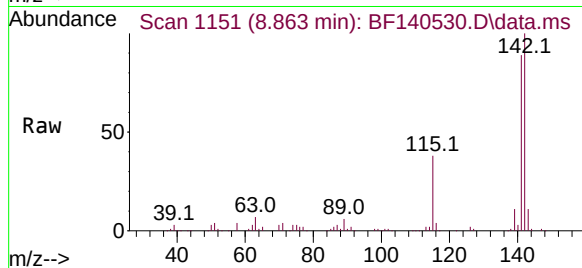
141 88.8 71.0 106.6

Manual Integrations

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Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/27/2024



#38

1-Methylnaphthalene

Concen: 10.372 ng

RT: 8.963 min Scan# 1168

Delta R.T. -0.006 min

Lab File: BF140530.D

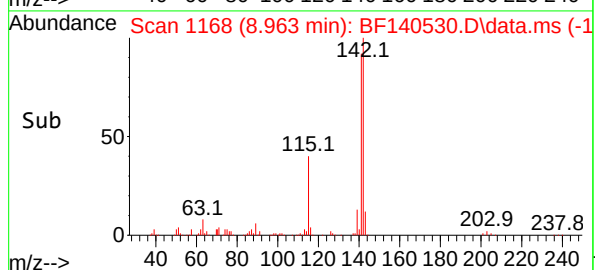
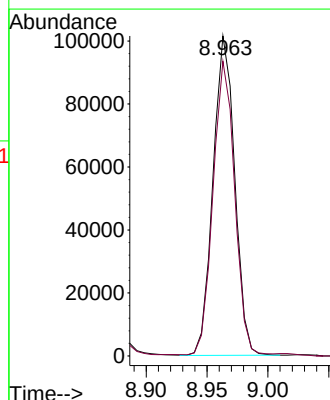
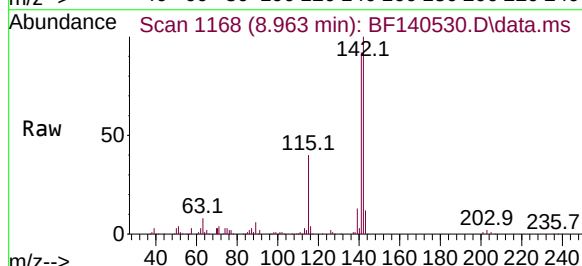
Acq: 21 Nov 2024 12:05

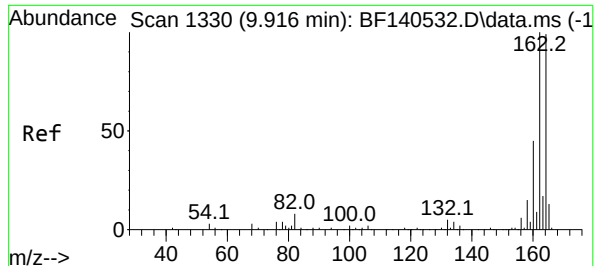
Tgt Ion:142 Resp: 125672

Ion Ratio Lower Upper

142 100

141 92.1 73.3 109.9





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.910 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF140530.D

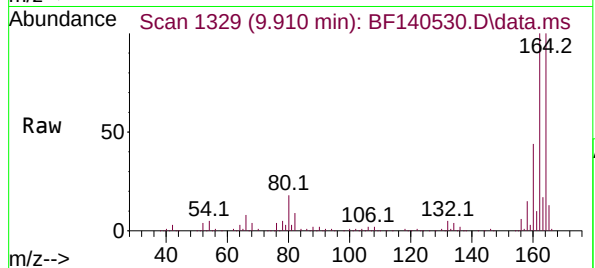
Acq: 21 Nov 2024 12:05

Instrument :

BNA\_F

ClientSampleId :

SSTDICC010



Tgt Ion:164 Resp: 213774

Ion Ratio Lower Upper

164 100

162 100.3 80.6 120.8

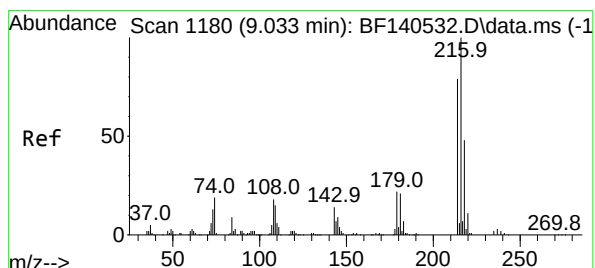
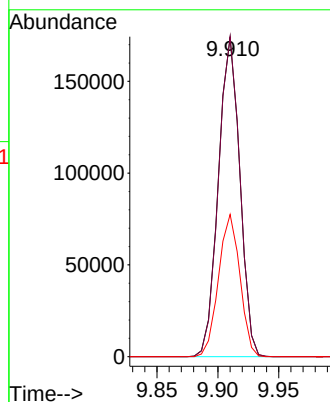
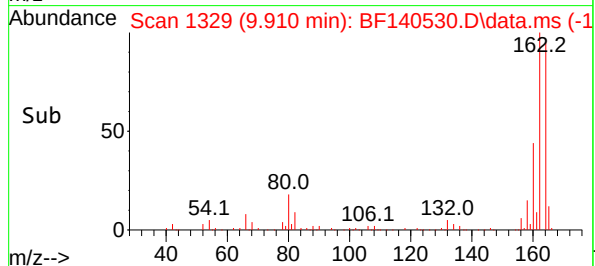
160 44.6 36.2 54.4

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Supervised By :mohammad ahmed 11/27/2024



#40

1,2,4,5-Tetrachlorobenzene

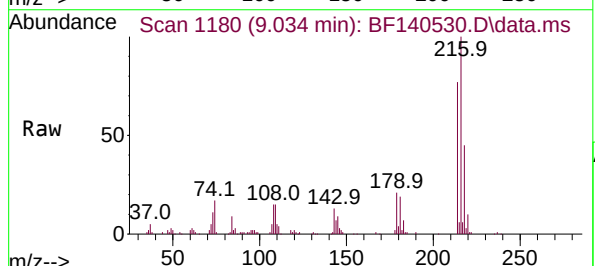
Concen: 10.308 ng

RT: 9.034 min Scan# 1180

Delta R.T. 0.000 min

Lab File: BF140530.D

Acq: 21 Nov 2024 12:05



Tgt Ion:216 Resp: 64508

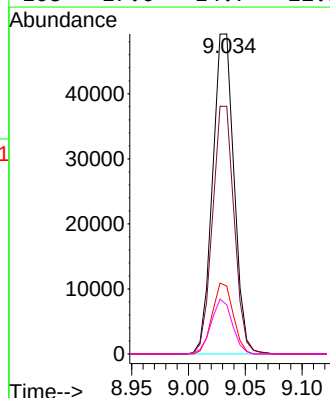
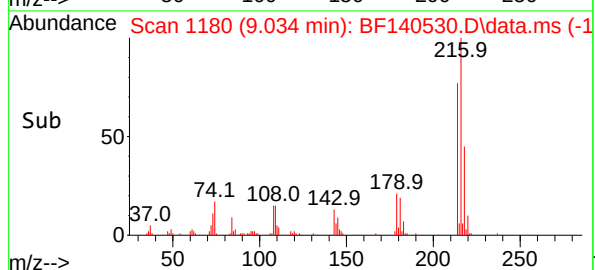
Ion Ratio Lower Upper

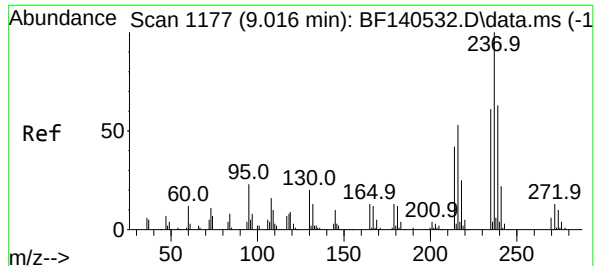
216 100

214 78.0 63.0 94.4

179 21.7 17.5 26.3

108 17.0 14.7 22.1





#41

Hexachlorocyclopentadiene

Concen: 11.063 ng

RT: 9.016 min Scan# 1177

Delta R.T. -0.000 min

Lab File: BF140530.D

Acq: 21 Nov 2024 12:05

Instrument :

BNA\_F

ClientSampleId :

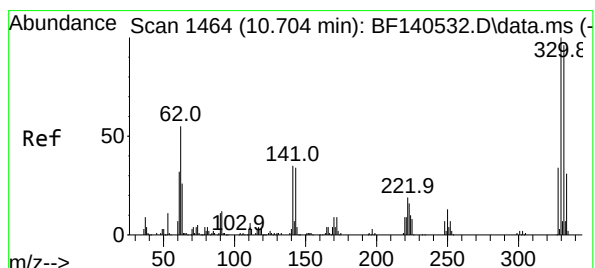
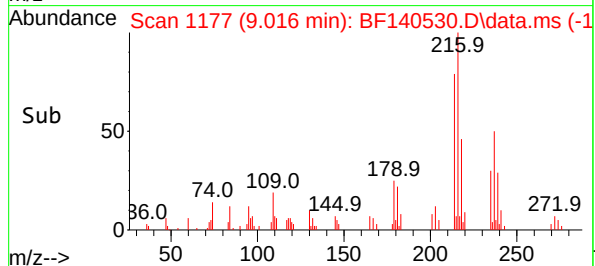
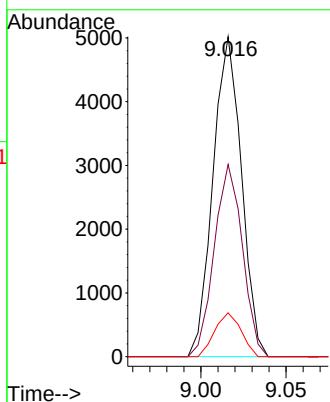
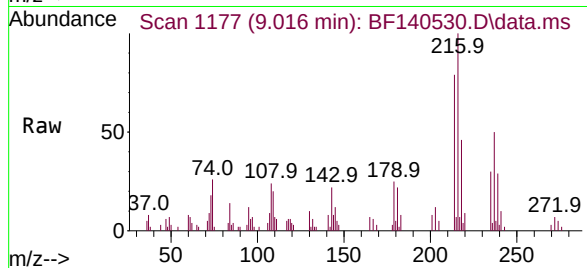
SSTDICC010

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 237   | Resp: | 5830 |
| Ion Ratio | Lower | Upper |      |
| 237       | 100   |       |      |
| 235       | 60.1  | 41.1  | 81.1 |
| 272       | 13.7  | 0.0   | 32.6 |

Manual Integrations

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Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024



#42

2,4,6-Tribromophenol

Concen: 19.519 ng

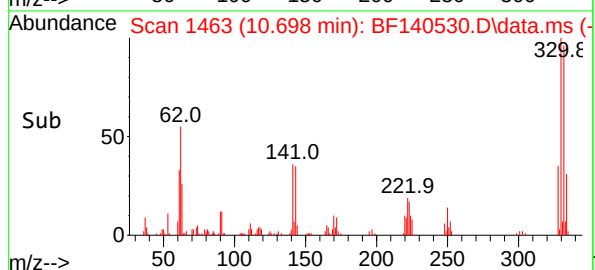
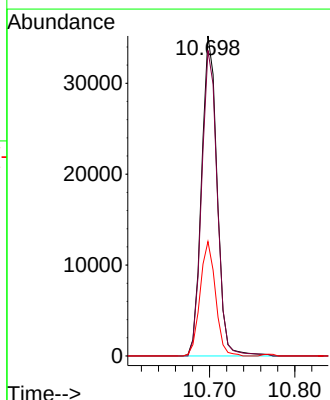
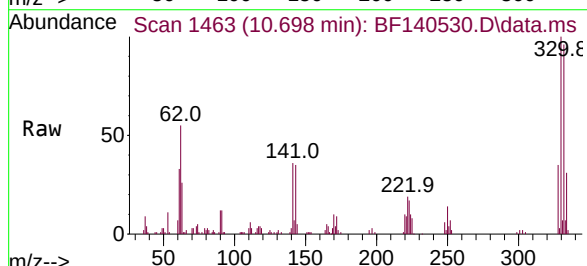
RT: 10.698 min Scan# 1463

Delta R.T. -0.006 min

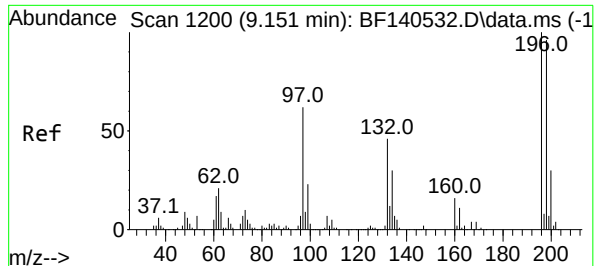
Lab File: BF140530.D

Acq: 21 Nov 2024 12:05

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 330   | Resp: | 44626 |
| Ion Ratio | Lower | Upper |       |
| 330       | 100   |       |       |
| 332       | 95.9  | 76.9  | 115.3 |
| 141       | 35.3  | 26.7  | 40.1  |







#43

2,4,6-Trichlorophenol

Concen: 9.748 ng

RT: 9.145 min Scan# 1199

Delta R.T. -0.006 min

Lab File: BF140530.D

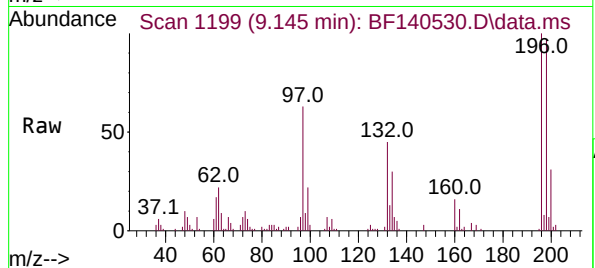
Acq: 21 Nov 2024 12:05

Instrument :

BNA\_F

ClientSampleId :

SSTDICC010



Tgt Ion:196 Resp: 38279

Ion Ratio Lower Upper

196 100

198 97.3 76.8 115.2

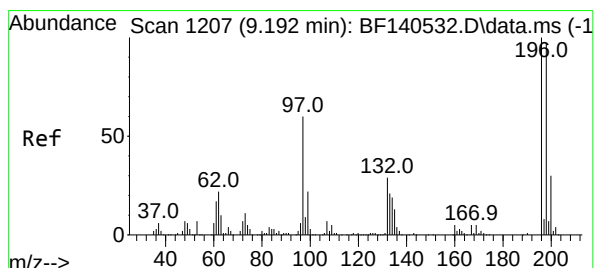
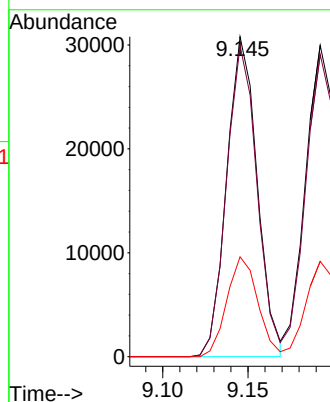
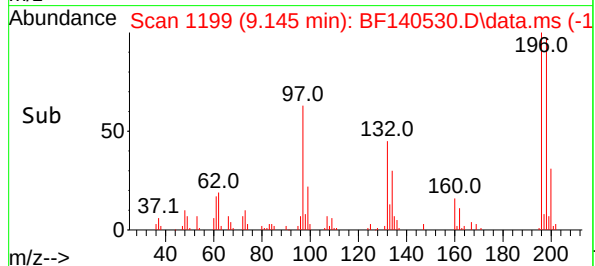
200 31.2 24.3 36.5

Manual Integrations

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Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/27/2024



#44

2,4,5-Trichlorophenol

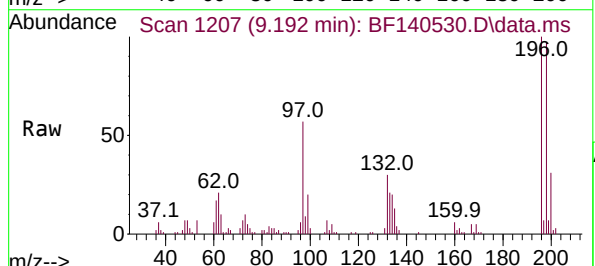
Concen: 9.930 ng

RT: 9.192 min Scan# 1207

Delta R.T. 0.000 min

Lab File: BF140530.D

Acq: 21 Nov 2024 12:05



Tgt Ion:196 Resp: 42321

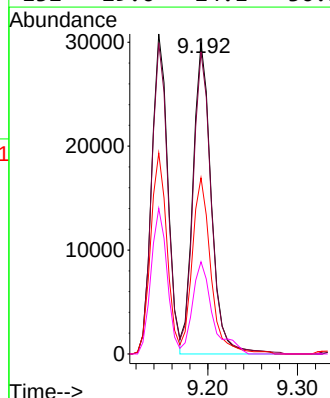
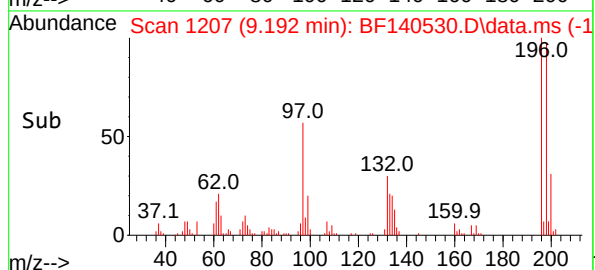
Ion Ratio Lower Upper

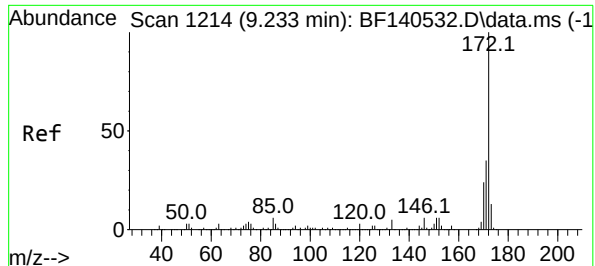
196 100

198 97.0 77.2 115.8

97 56.6 47.1 70.7

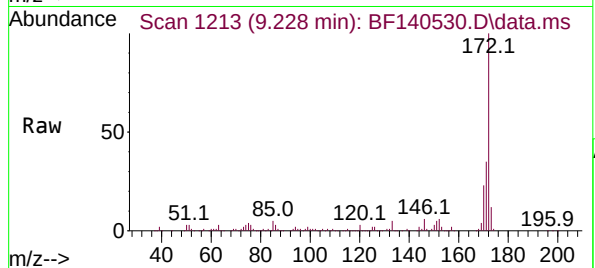
132 29.6 24.1 36.1





#45  
2-Fluorobiphenyl  
Concen: 20.896 ng  
RT: 9.228 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF140530.D  
Acq: 21 Nov 2024 12:05

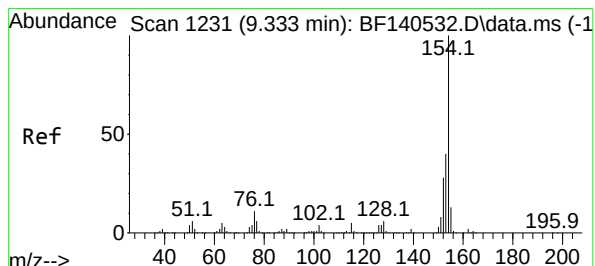
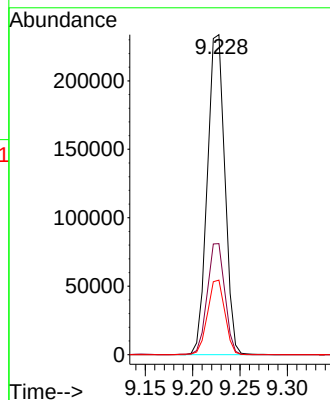
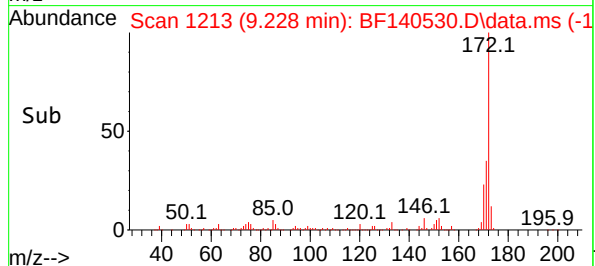
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC010



Tgt Ion:172 Resp: 29981  
Ion Ratio Lower Upper  
172 100  
171 34.7 28.4 42.6  
170 23.3 19.0 28.6

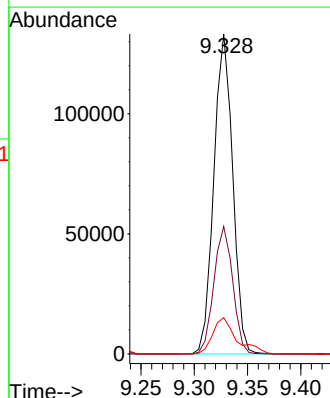
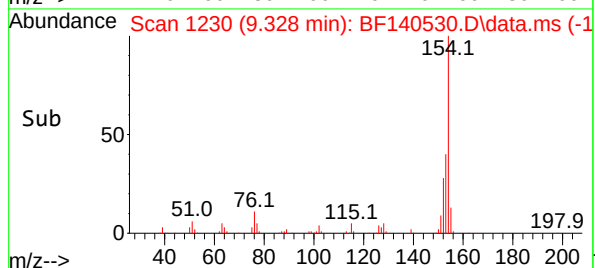
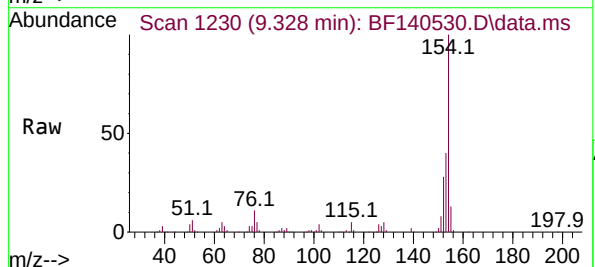
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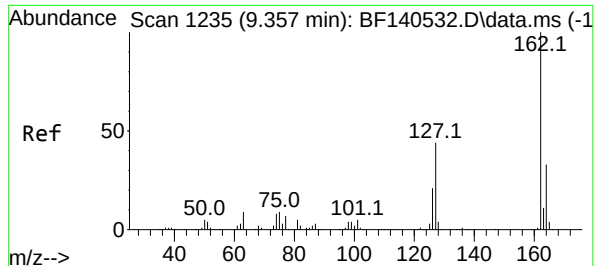
Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024



#46  
1,1'-Biphenyl  
Concen: 10.244 ng  
RT: 9.328 min Scan# 1230  
Delta R.T. -0.006 min  
Lab File: BF140530.D  
Acq: 21 Nov 2024 12:05

Tgt Ion:154 Resp: 163500  
Ion Ratio Lower Upper  
154 100  
153 39.8 20.4 60.4  
76 11.3 0.0 31.2





#47

2-Chloronaphthalene

Concen: 10.117 ng

RT: 9.351 min Scan# 1235

Delta R.T. -0.006 min

Lab File: BF140530.D

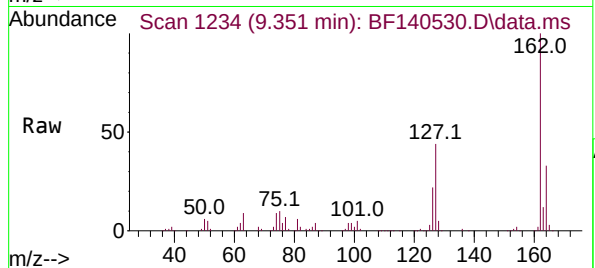
Acq: 21 Nov 2024 12:05

Instrument :

BNA\_F

ClientSampleId :

SSTDICC010



Tgt Ion:162 Resp: 122350

Ion Ratio Lower Upper

162 100

127 43.9 35.7 53.5

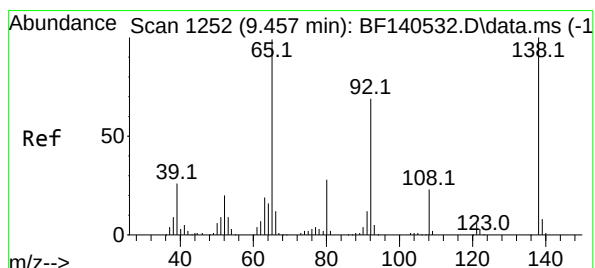
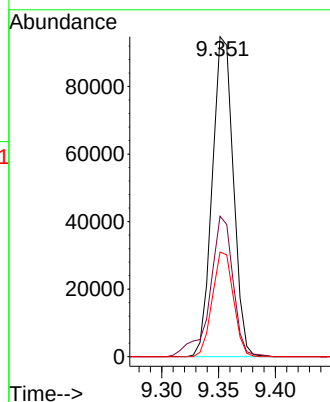
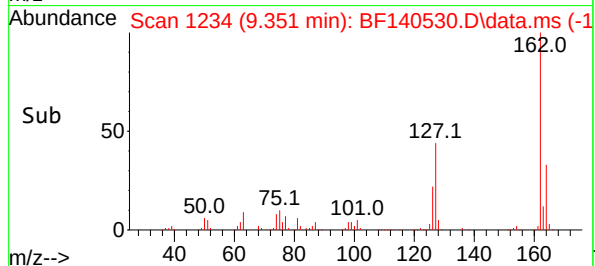
164 32.7 26.1 39.1

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Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/27/2024



#48

2-Nitroaniline

Concen: 9.655 ng

RT: 9.451 min Scan# 1251

Delta R.T. -0.006 min

Lab File: BF140530.D

Acq: 21 Nov 2024 12:05

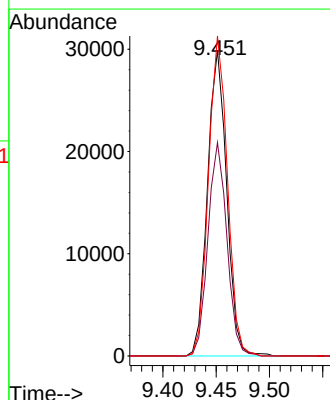
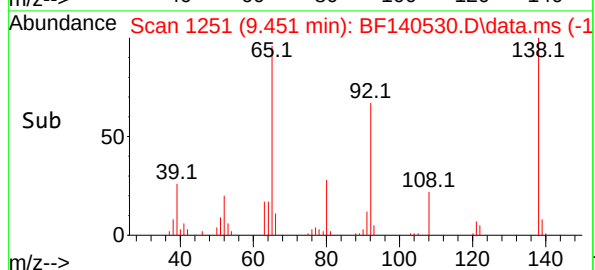
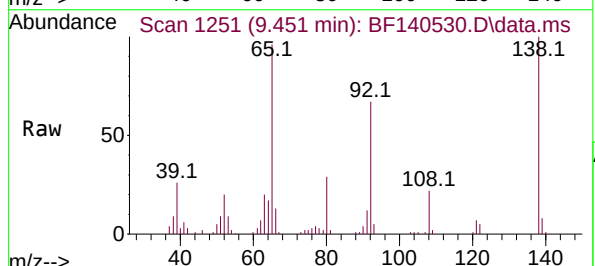
Tgt Ion: 65 Resp: 37481

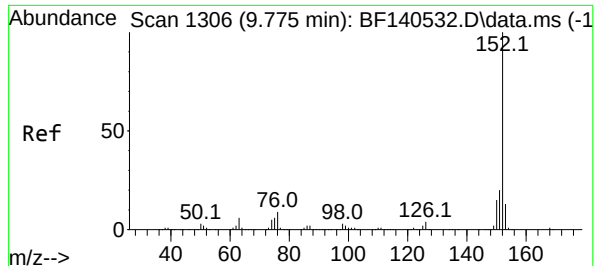
Ion Ratio Lower Upper

65 100

92 69.8 56.1 84.1

138 104.7 81.0 121.6





#49

Acenaphthylene

Concen: 10.326 ng

RT: 9.769 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF140530.D

Acq: 21 Nov 2024 12:05

Instrument :

BNA\_F

ClientSampleId :

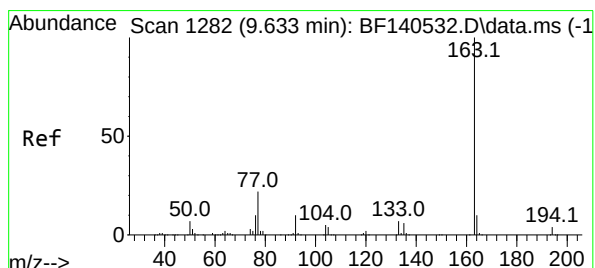
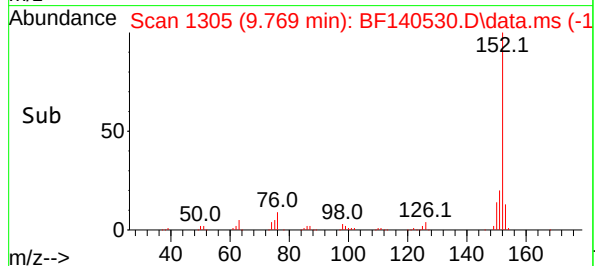
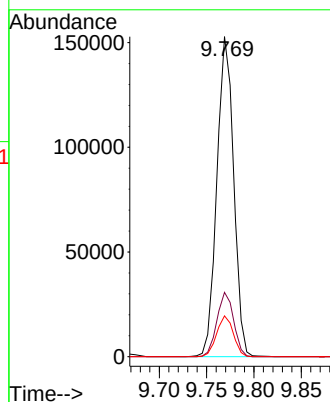
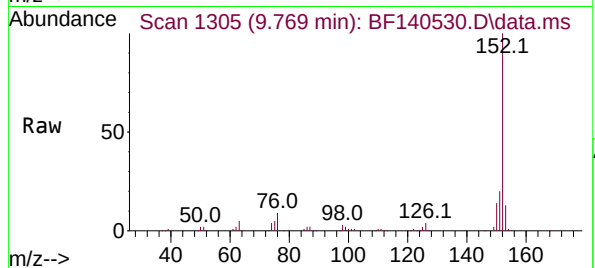
SSTDICC010

|             |                |
|-------------|----------------|
| Tgt Ion:152 | Resp: 188670   |
| Ion Ratio   | Lower Upper    |
| 152         | 100            |
| 151         | 20.1 15.9 23.9 |
| 153         | 12.8 10.6 16.0 |

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Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024



#50

Dimethylphthalate

Concen: 10.092 ng

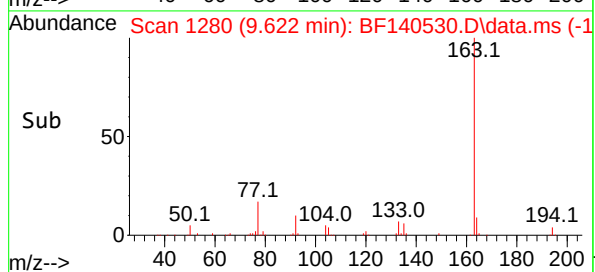
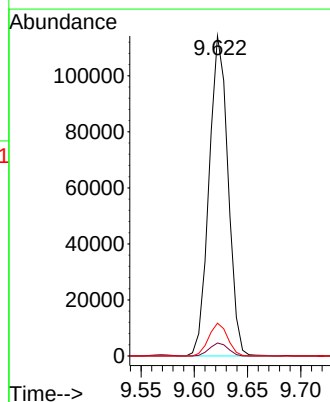
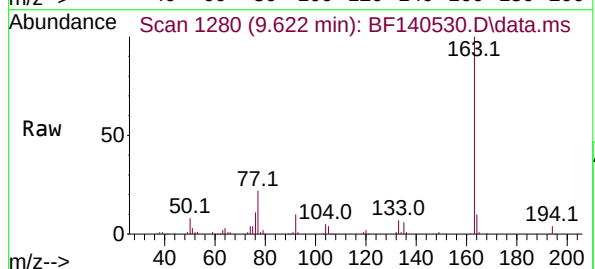
RT: 9.622 min Scan# 1280

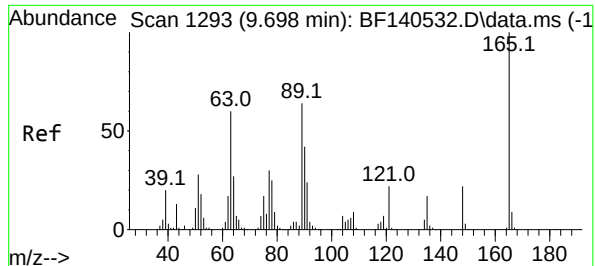
Delta R.T. -0.012 min

Lab File: BF140530.D

Acq: 21 Nov 2024 12:05

|             |               |
|-------------|---------------|
| Tgt Ion:163 | Resp: 142079  |
| Ion Ratio   | Lower Upper   |
| 163         | 100           |
| 194         | 4.1 3.1 4.7   |
| 164         | 10.2 8.2 12.2 |





#51

2,6-Dinitrotoluene

Concen: 10.021 ng

RT: 9.692 min Scan# 1293

Delta R.T. -0.006 min

Lab File: BF140530.D

Acq: 21 Nov 2024 12:05

Instrument :

BNA\_F

ClientSampleId :

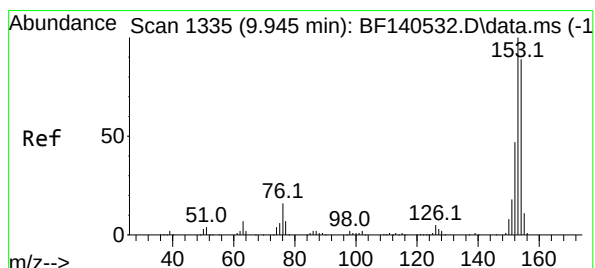
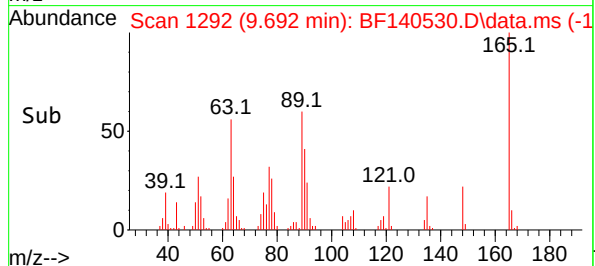
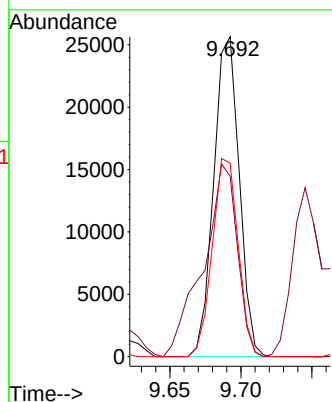
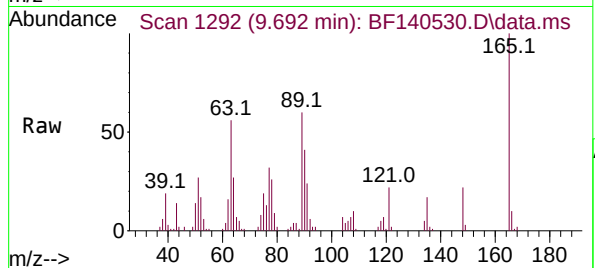
SSTDICC010

| Tgt Ion | 165  | Ratio | 100 | Resp | 3199 | Lower | Upper |
|---------|------|-------|-----|------|------|-------|-------|
| 165     | 100  |       |     |      |      |       |       |
| 63      | 56.5 |       |     | 49.9 |      | 74.9  |       |
| 89      | 60.4 |       |     | 50.9 |      | 76.3  |       |

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Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024



#52

Acenaphthene

Concen: 10.031 ng

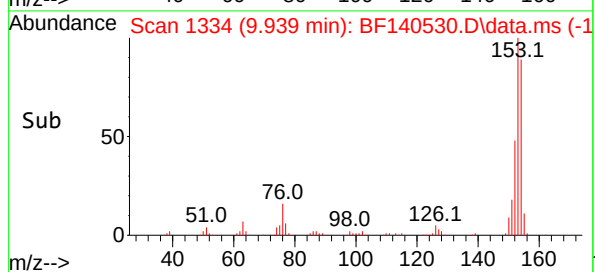
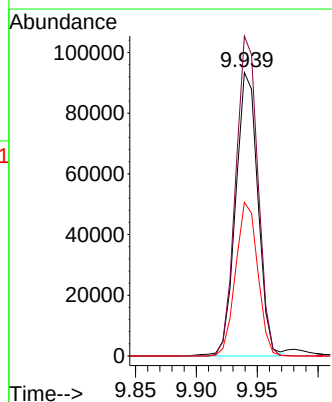
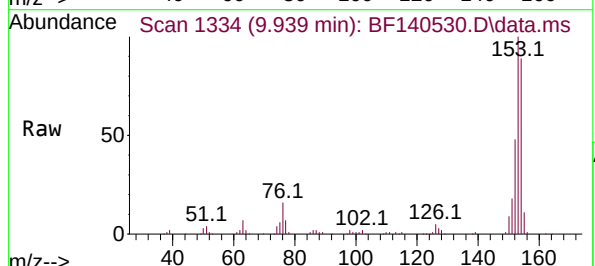
RT: 9.939 min Scan# 1334

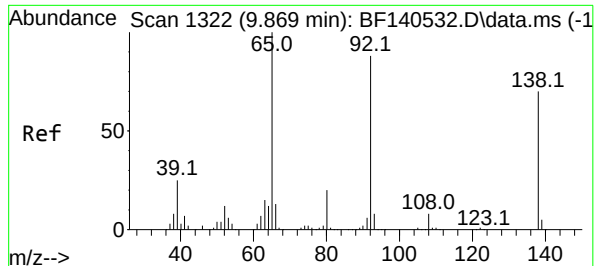
Delta R.T. -0.006 min

Lab File: BF140530.D

Acq: 21 Nov 2024 12:05

| Tgt Ion | 154   | Ratio | 100 | Resp | 118691 | Lower | Upper |
|---------|-------|-------|-----|------|--------|-------|-------|
| 154     | 100   |       |     |      |        |       |       |
| 153     | 112.8 |       |     | 89.7 |        | 134.5 |       |
| 152     | 54.2  |       |     | 42.5 |        | 63.7  |       |





#53

3-Nitroaniline

Concen: 10.177 ng

RT: 9.863 min Scan# 1322

Delta R.T. -0.006 min

Lab File: BF140530.D

Acq: 21 Nov 2024 12:05

Instrument :

BNA\_F

ClientSampleId :

SSTDICC010

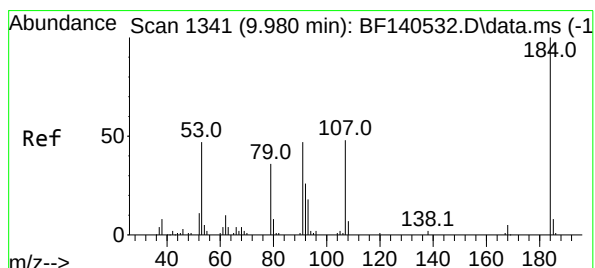
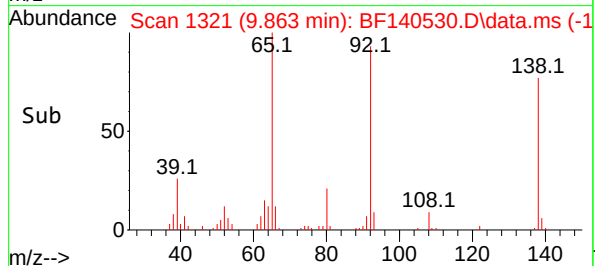
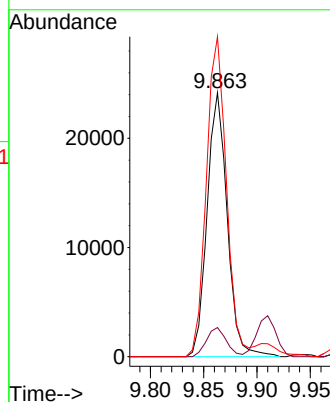
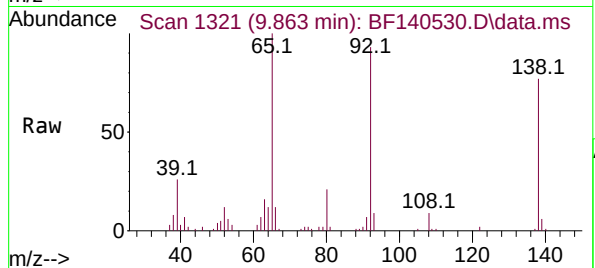
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 108     | 11.1  | 9.2   | 13.8  |
| 92      | 121.2 | 100.6 | 150.8 |

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Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/27/2024



#54

2,4-Dinitrophenol

Concen: 11.143 ng

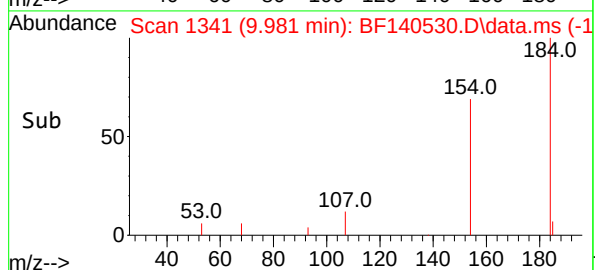
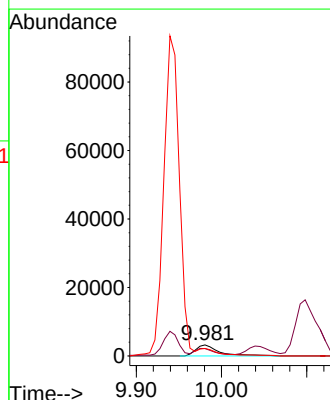
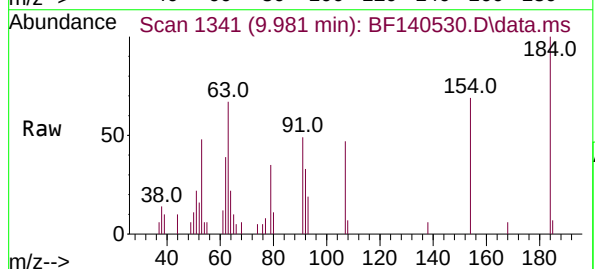
RT: 9.981 min Scan# 1341

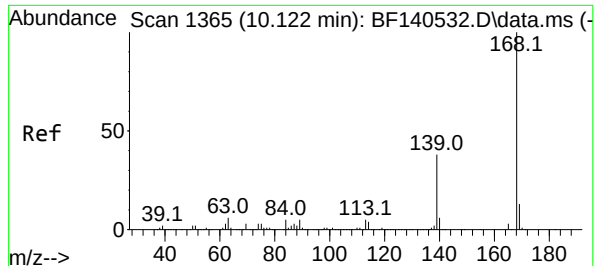
Delta R.T. 0.001 min

Lab File: BF140530.D

Acq: 21 Nov 2024 12:05

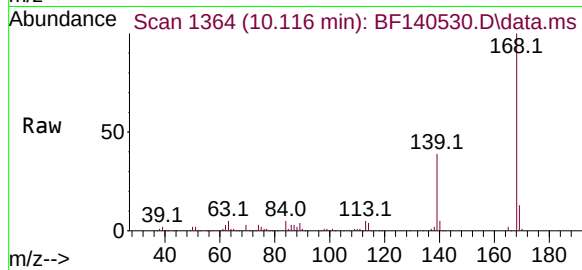
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 184     | 100   |       |       |
| 63      | 67.4  | 54.1  | 81.1  |
| 154     | 68.7  | 57.4  | 86.0  |





#55  
Dibenzofuran  
Concen: 10.497 ng  
RT: 10.116 min Scan# 1364  
Delta R.T. -0.006 min  
Lab File: BF140530.D  
Acq: 21 Nov 2024 12:05

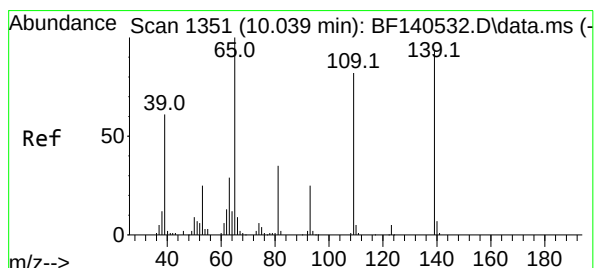
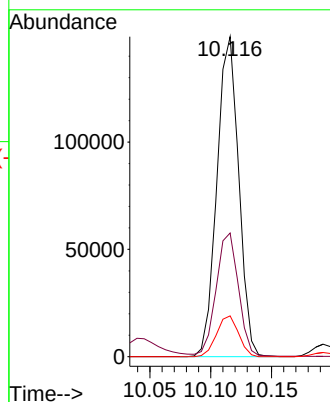
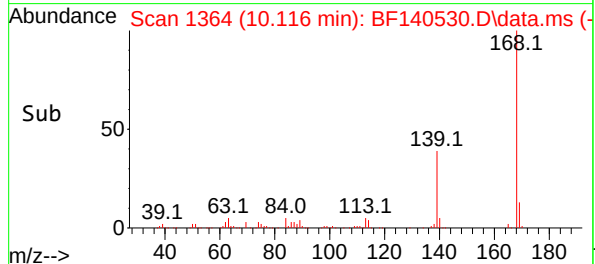
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC010



Tgt Ion:168 Resp: 185902  
Ion Ratio Lower Upper  
168 100  
139 38.7 31.3 46.9  
169 12.8 10.5 15.7

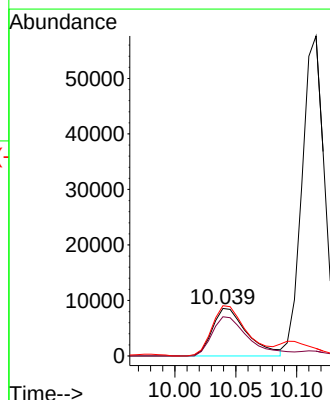
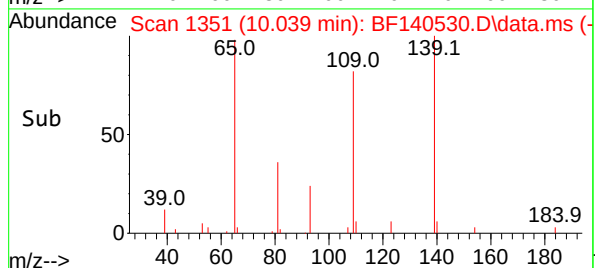
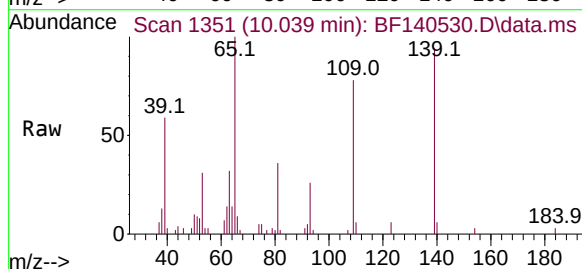
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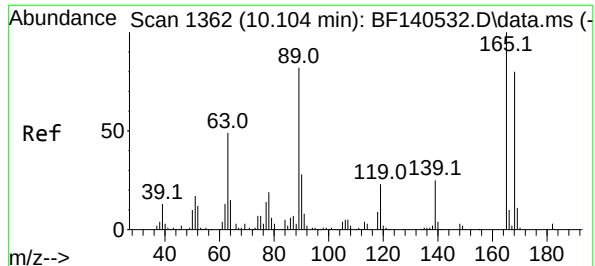
Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024



#56  
4-Nitrophenol  
Concen: 8.006 ng  
RT: 10.039 min Scan# 1351  
Delta R.T. 0.000 min  
Lab File: BF140530.D  
Acq: 21 Nov 2024 12:05

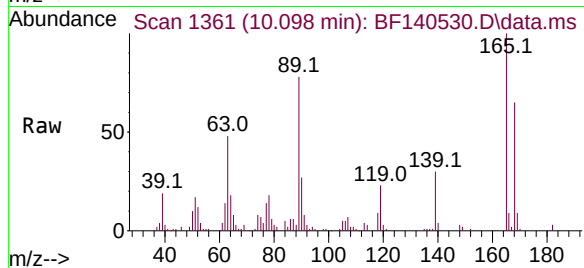
Tgt Ion:139 Resp: 17052  
Ion Ratio Lower Upper  
139 100  
109 82.5 68.4 108.4  
65 105.9 88.6 128.6





#57  
2,4-Dinitrotoluene  
Concen: 10.140 ng  
RT: 10.098 min Scan# 1361  
Delta R.T. -0.006 min  
Lab File: BF140530.D  
Acq: 21 Nov 2024 12:05

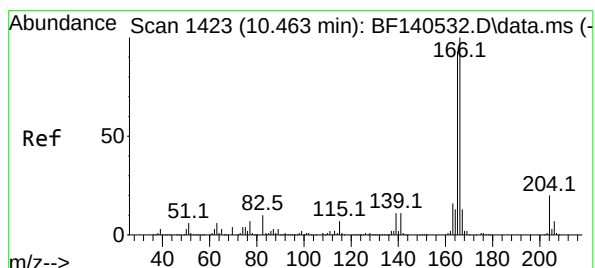
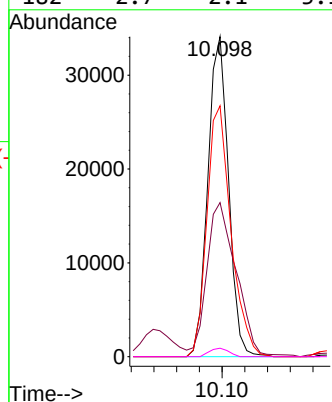
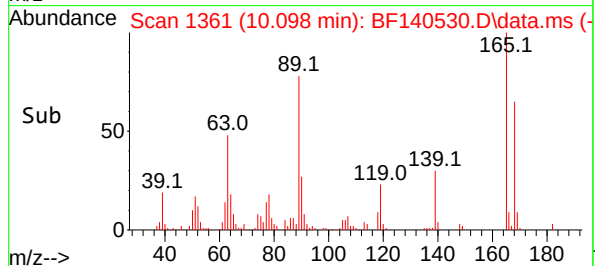
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC010



Tgt Ion:165 Resp: 43030  
Ion Ratio Lower Upper  
165 100  
63 48.1 41.7 62.5  
89 78.4 65.8 98.8  
182 2.7 2.1 3.1

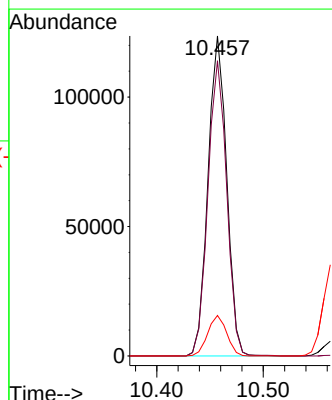
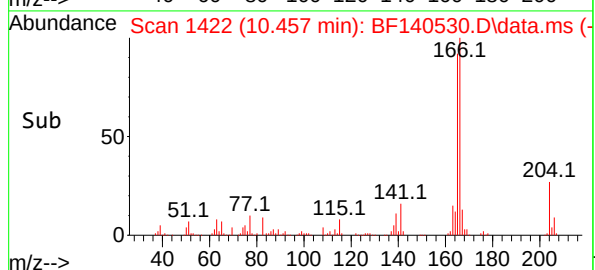
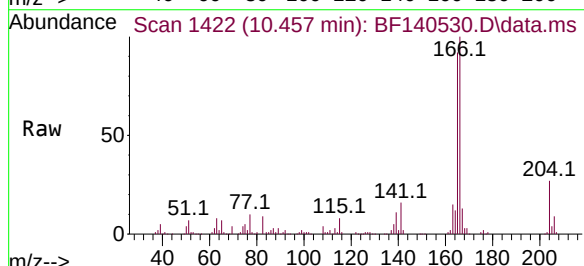
Manual Integrations  
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Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024

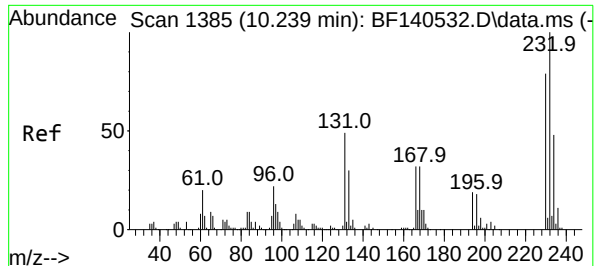


#58  
Fluorene  
Concen: 10.594 ng  
RT: 10.457 min Scan# 1422  
Delta R.T. -0.006 min  
Lab File: BF140530.D  
Acq: 21 Nov 2024 12:05

Tgt Ion:166 Resp: 150592  
Ion Ratio Lower Upper  
166 100  
165 92.3 74.6 111.8  
167 12.6 10.6 16.0

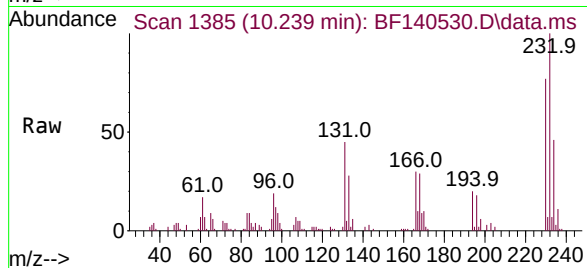






#59  
2,3,4,6-Tetrachlorophenol  
Concen: 9.670 ng  
RT: 10.239 min Scan# 1385  
Delta R.T. 0.000 min  
Lab File: BF140530.D  
Acq: 21 Nov 2024 12:05

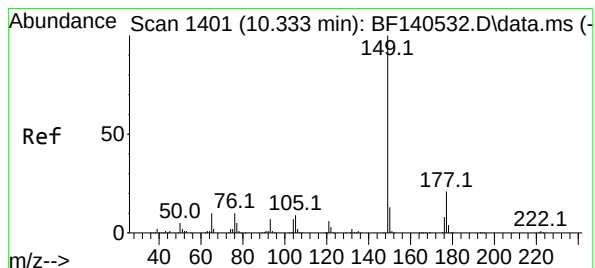
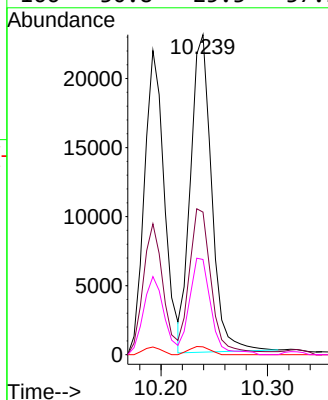
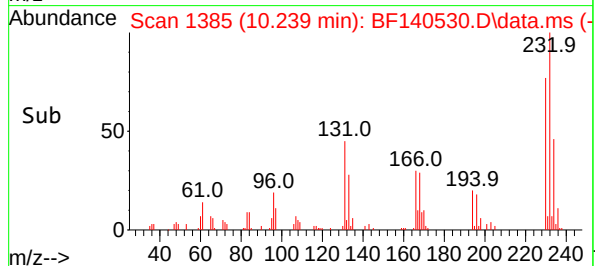
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC010



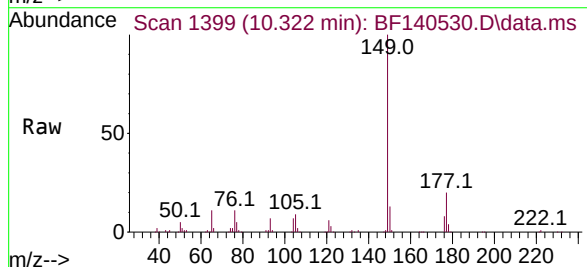
Tgt Ion:232 Resp: 31672  
Ion Ratio Lower Upper  
232 100  
131 48.3 39.6 59.4  
130 2.6 1.9 2.9  
166 30.8 25.3 37.9

Manual Integrations  
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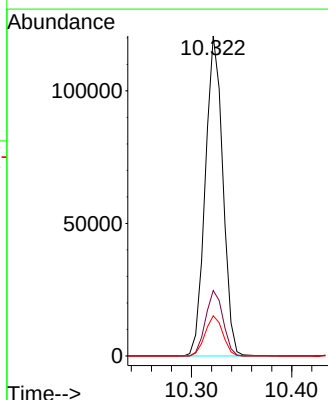
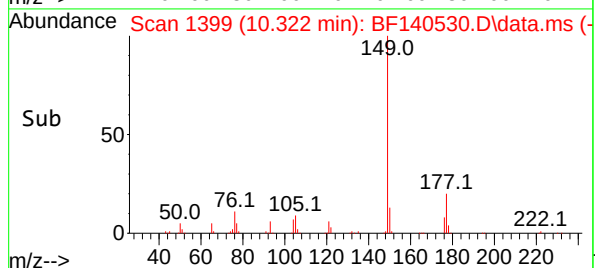
Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024

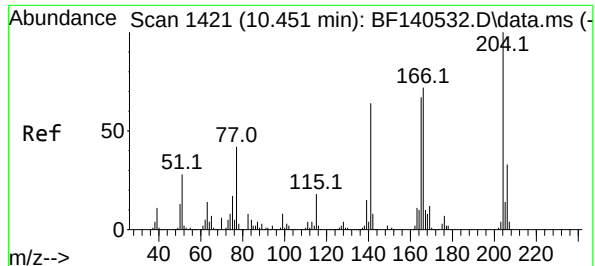


#60  
Diethylphthalate  
Concen: 10.276 ng  
RT: 10.322 min Scan# 1399  
Delta R.T. -0.012 min  
Lab File: BF140530.D  
Acq: 21 Nov 2024 12:05



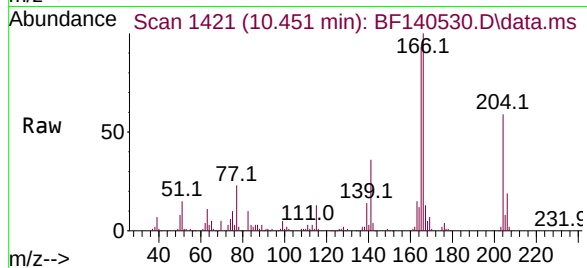
Tgt Ion:149 Resp: 146994  
Ion Ratio Lower Upper  
149 100  
177 20.4 17.1 25.7  
150 12.5 10.1 15.1





#61  
4-Chlorophenyl-phenylether  
Concen: 10.452 ng  
RT: 10.451 min Scan# 1421  
Delta R.T. 0.000 min  
Lab File: BF140530.D  
Acq: 21 Nov 2024 12:05

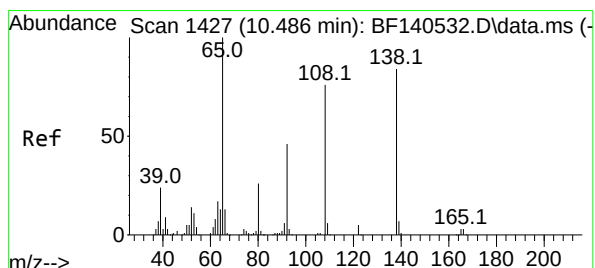
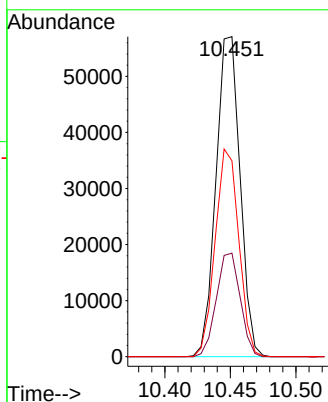
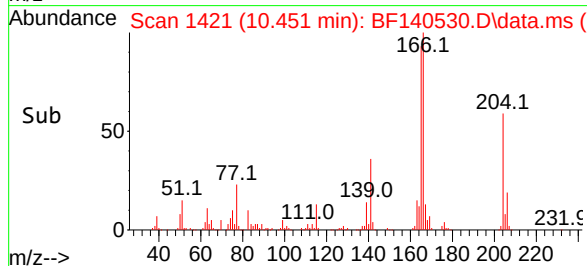
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC010



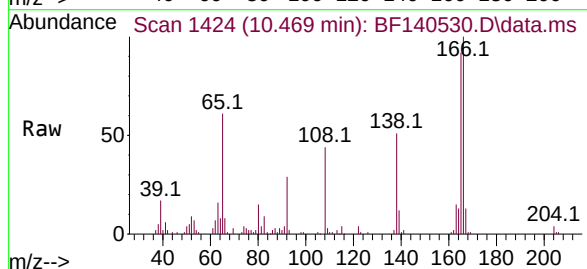
Tgt Ion:204 Resp: 72915  
Ion Ratio Lower Upper  
204 100  
206 32.4 26.6 40.0  
141 61.2 51.1 76.7

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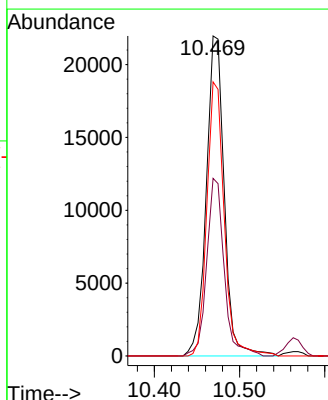
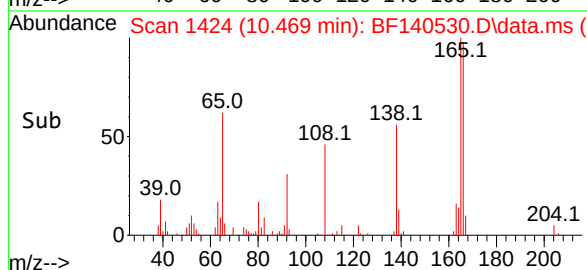
Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024

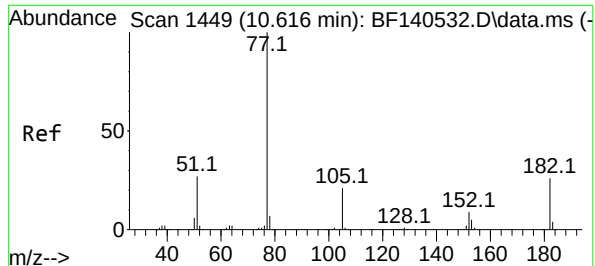


#62  
4-Nitroaniline  
Concen: 9.829 ng  
RT: 10.469 min Scan# 1424  
Delta R.T. -0.018 min  
Lab File: BF140530.D  
Acq: 21 Nov 2024 12:05



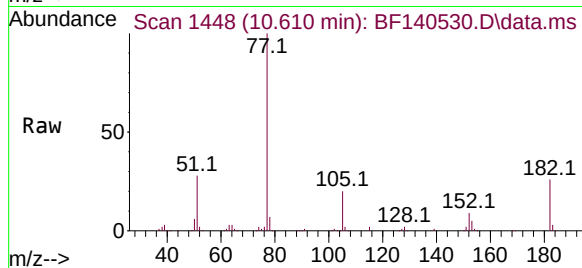
Tgt Ion:138 Resp: 32193  
Ion Ratio Lower Upper  
138 100  
92 55.5 34.5 74.5  
108 85.7 70.6 110.6





#63  
Azobenzene  
Concen: 10.412 ng  
RT: 10.610 min Scan# 1449  
Delta R.T. -0.006 min  
Lab File: BF140530.D  
Acq: 21 Nov 2024 12:05

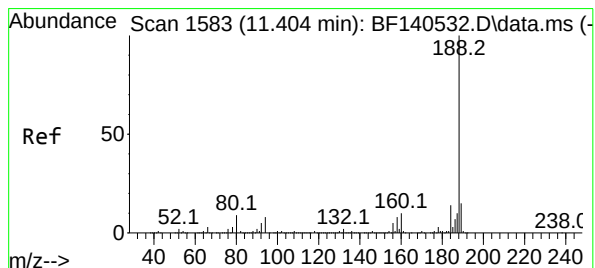
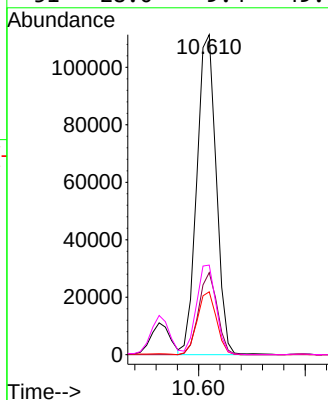
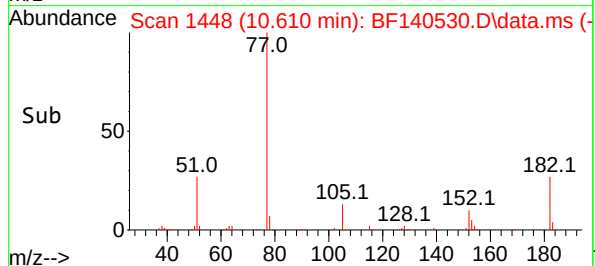
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC010



Tgt Ion: 77 Resp: 141049  
Ion Ratio Lower Upper  
77 100  
182 25.6 5.3 45.3  
105 19.6 0.3 40.3  
51 28.0 9.4 49.4

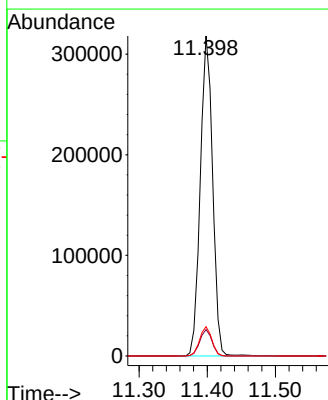
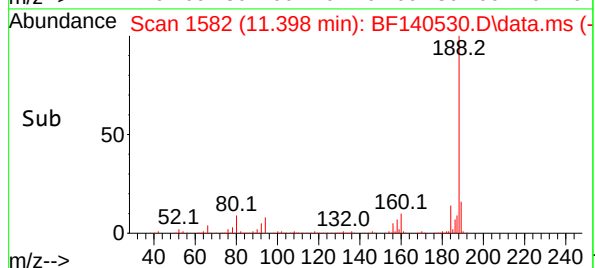
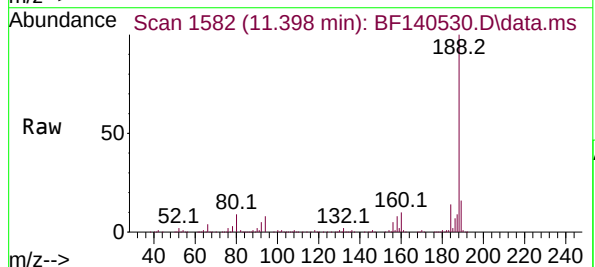
Manual Integrations  
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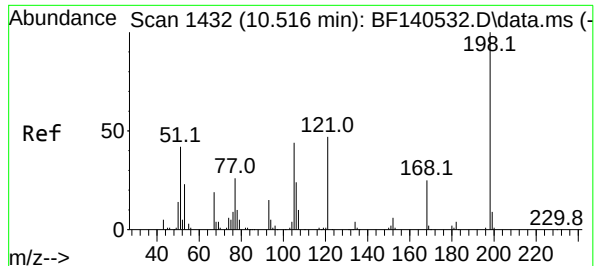
Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.398 min Scan# 1582  
Delta R.T. -0.006 min  
Lab File: BF140530.D  
Acq: 21 Nov 2024 12:05

Tgt Ion:188 Resp: 399362  
Ion Ratio Lower Upper  
188 100  
94 8.3 6.4 9.6  
80 9.1 6.9 10.3





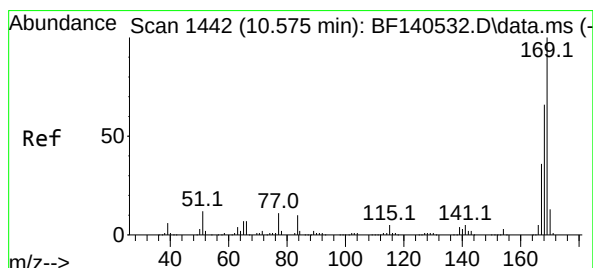
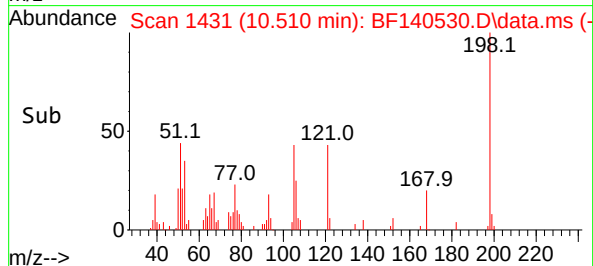
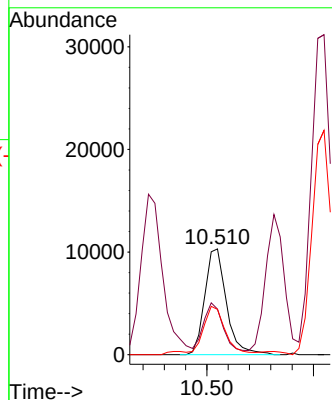
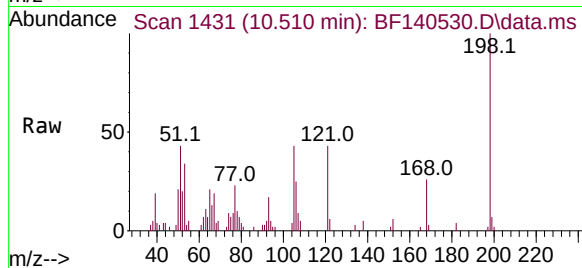
#65  
4,6-Dinitro-2-methylphenol  
Concen: 7.140 ng  
RT: 10.510 min Scan# 1432  
Delta R.T. -0.006 min  
Lab File: BF140530.D  
Acq: 21 Nov 2024 12:05

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC010

Tgt Ion:198 Resp: 14572  
Ion Ratio Lower Upper  
198 100  
51 43.0 29.4 69.4  
105 42.8 25.4 65.4

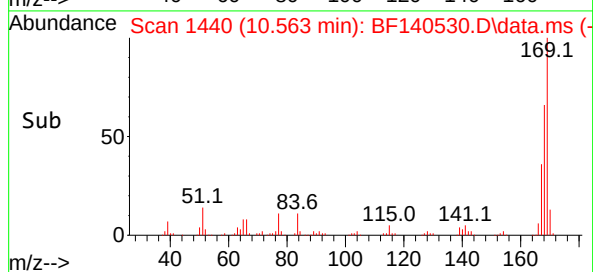
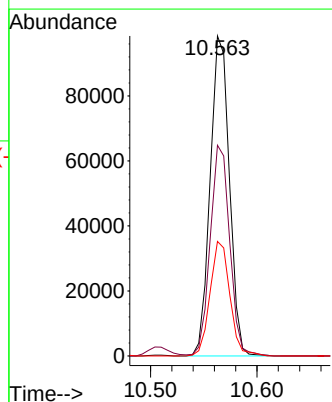
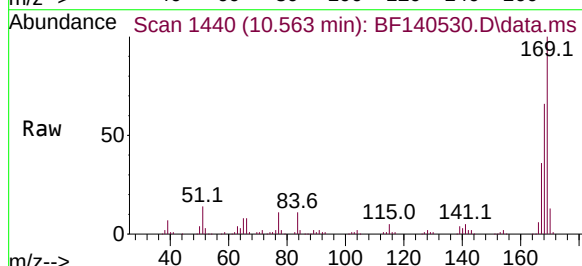
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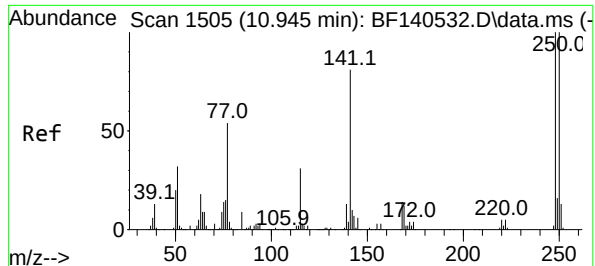
Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024



#66  
n-Nitrosodiphenylamine  
Concen: 10.447 ng  
RT: 10.563 min Scan# 1440  
Delta R.T. -0.012 min  
Lab File: BF140530.D  
Acq: 21 Nov 2024 12:05

Tgt Ion:169 Resp: 123384  
Ion Ratio Lower Upper  
169 100  
168 65.8 53.2 79.8  
167 35.8 29.0 43.6





#67  
4-Bromophenyl-phenylether  
Concen: 10.444 ng  
RT: 10.939 min Scan# 1504  
Delta R.T. -0.006 min  
Lab File: BF140530.D  
Acq: 21 Nov 2024 12:05

Instrument :

BNA\_F

ClientSampleId :

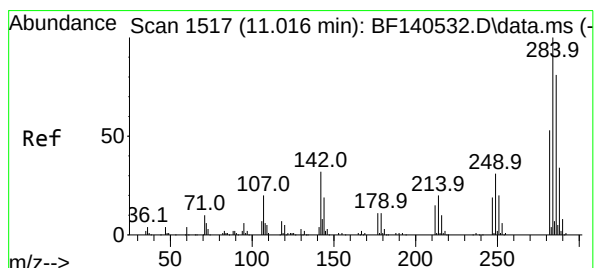
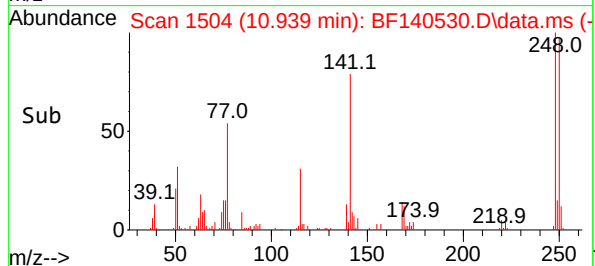
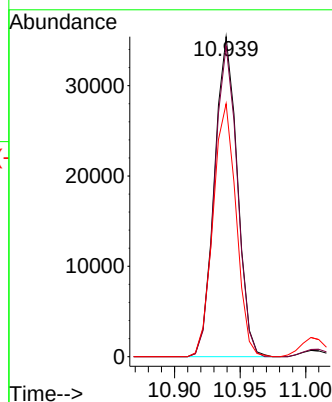
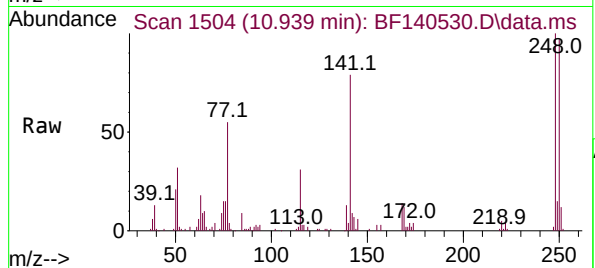
SSTDICC010

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 248     | 100   |       |       |
| 250     | 97.1  | 79.8  | 119.8 |
| 141     | 79.1  | 64.7  | 97.1  |

Manual Integrations

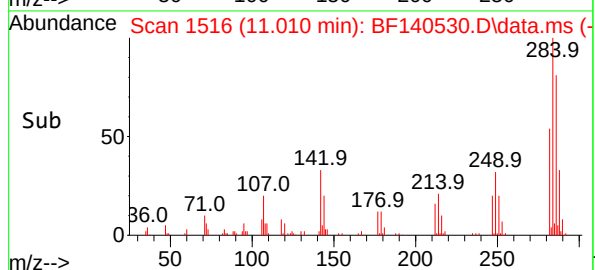
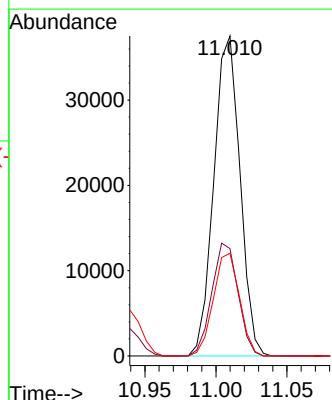
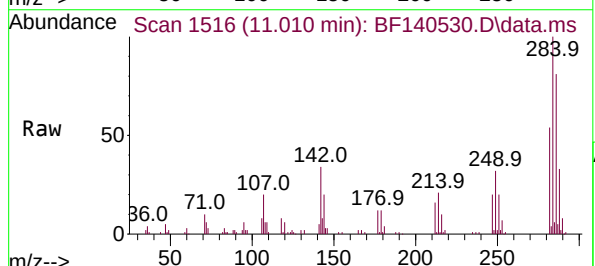
APPROVED

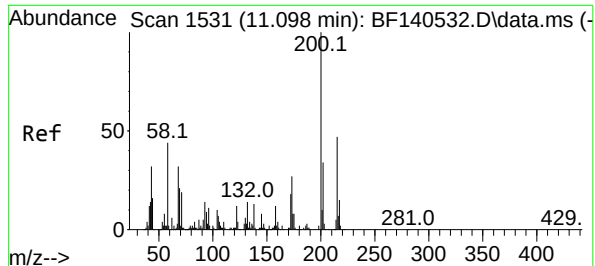
Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024



#68  
Hexachlorobenzene  
Concen: 10.078 ng  
RT: 11.010 min Scan# 1516  
Delta R.T. -0.006 min  
Lab File: BF140530.D  
Acq: 21 Nov 2024 12:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 284     | 100   |       |       |
| 142     | 33.6  | 25.3  | 37.9  |
| 249     | 32.1  | 24.8  | 37.2  |





#69

Atrazine

Concen: 10.292 ng

RT: 11.092 min Scan# 1530

Delta R.T. -0.006 min

Lab File: BF140530.D

Acq: 21 Nov 2024 12:05

Instrument :

BNA\_F

ClientSampleId :

SSTDICC010

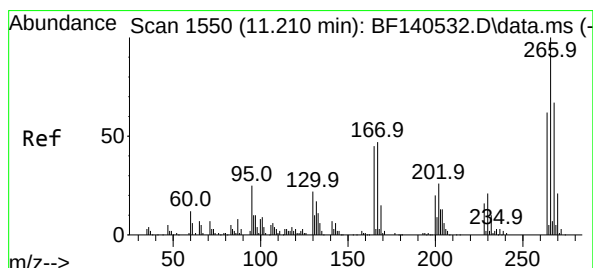
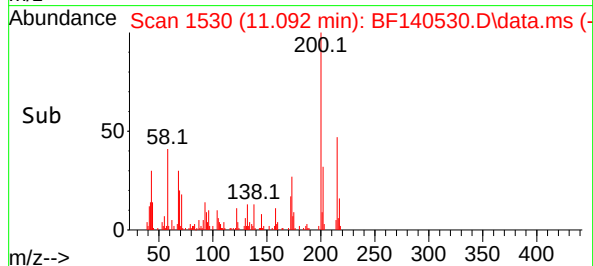
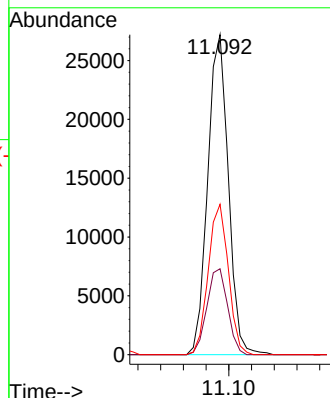
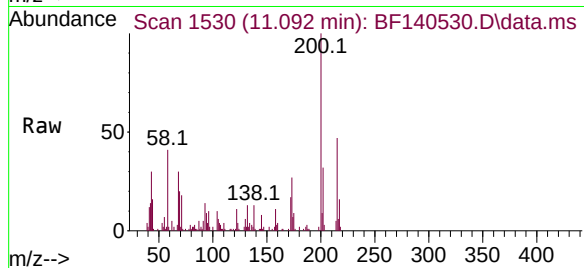
| Tgt Ion   | 200   | Resp  | 3419 |
|-----------|-------|-------|------|
| Ion Ratio | Lower | Upper |      |
| 200       | 100   |       |      |
| 173       | 26.8  | 7.0   | 47.0 |
| 215       | 47.0  | 26.7  | 66.7 |

Manual Integrations

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Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/27/2024



#70

Pentachlorophenol

Concen: 6.732 ng

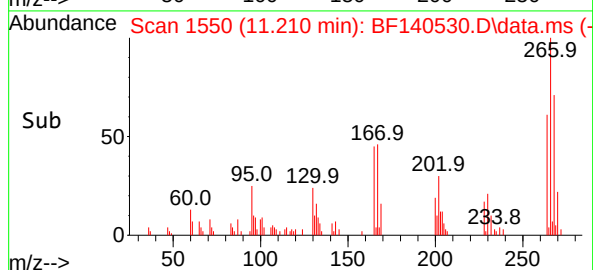
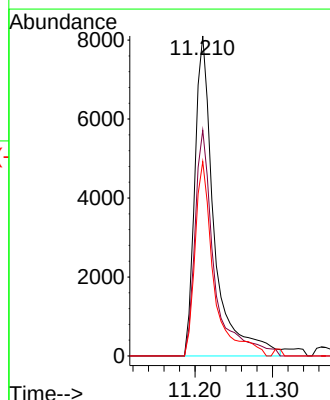
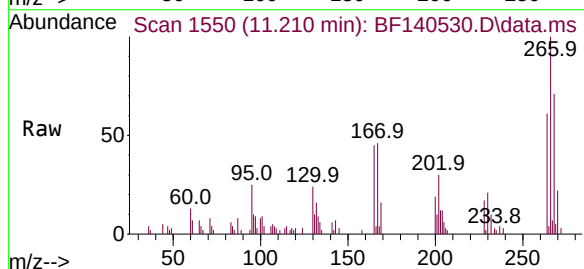
RT: 11.210 min Scan# 1550

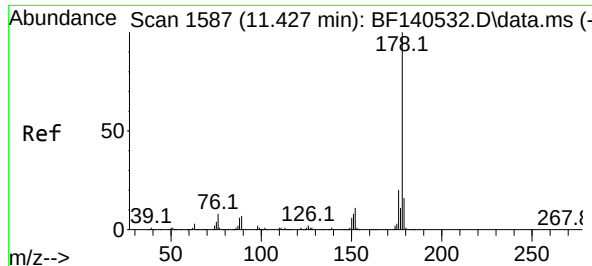
Delta R.T. -0.000 min

Lab File: BF140530.D

Acq: 21 Nov 2024 12:05

| Tgt Ion   | 266   | Resp  | 14110 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 266       | 100   |       |       |
| 268       | 70.5  | 53.7  | 80.5  |
| 264       | 60.7  | 49.8  | 74.8  |





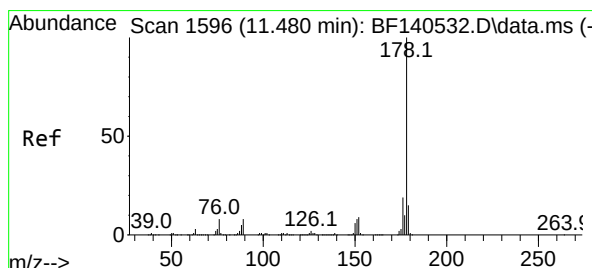
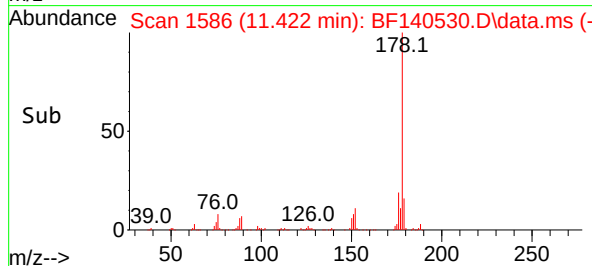
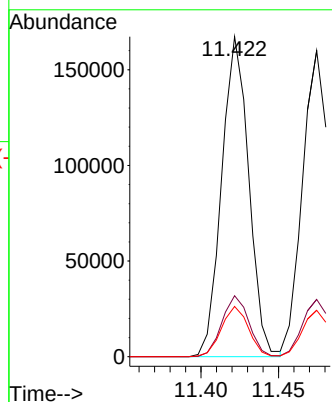
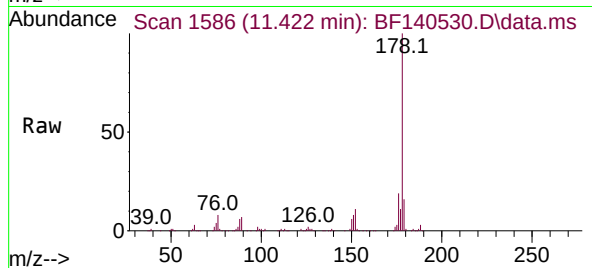
#71  
Phenanthrene  
Concen: 10.606 ng  
RT: 11.422 min Scan# 1586  
Delta R.T. -0.006 min  
Lab File: BF140530.D  
Acq: 21 Nov 2024 12:05

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC010

Tgt Ion:178 Resp: 203602  
Ion Ratio Lower Upper  
178 100  
176 19.0 15.8 23.6  
179 15.7 12.4 18.6

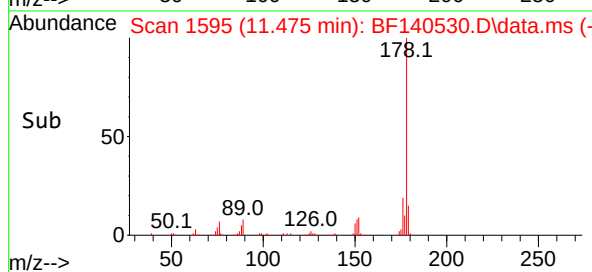
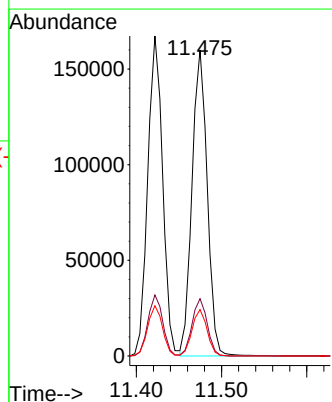
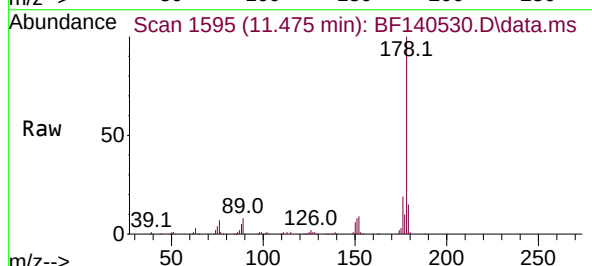
Manual Integrations  
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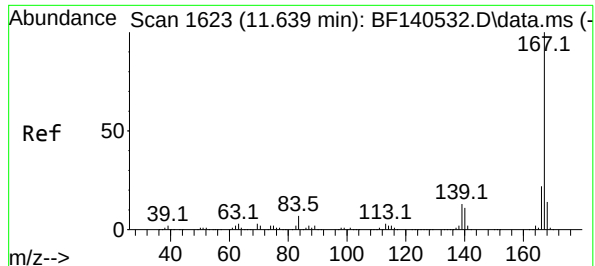
Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024



#72  
Anthracene  
Concen: 10.567 ng  
RT: 11.475 min Scan# 1595  
Delta R.T. -0.006 min  
Lab File: BF140530.D  
Acq: 21 Nov 2024 12:05

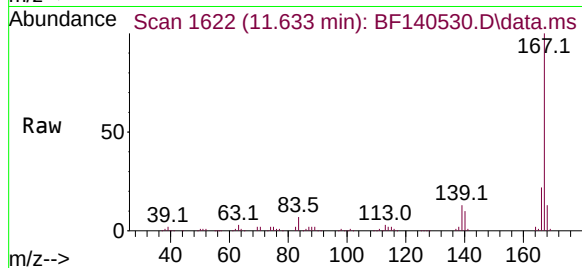
Tgt Ion:178 Resp: 198430  
Ion Ratio Lower Upper  
178 100  
176 18.7 15.0 22.4  
179 15.1 12.2 18.4





#73  
Carbazole  
Concen: 10.495 ng  
RT: 11.633 min Scan# 1622  
Delta R.T. -0.006 min  
Lab File: BF140530.D  
Acq: 21 Nov 2024 12:05

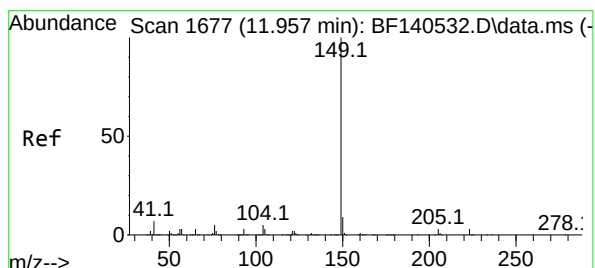
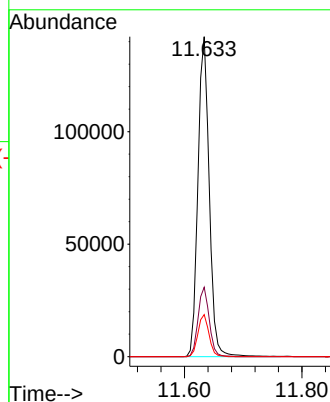
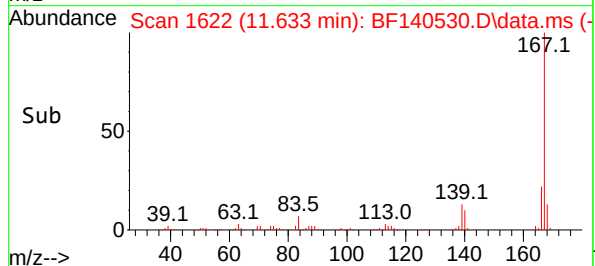
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC010



Tgt Ion:167 Resp: 189597  
Ion Ratio Lower Upper  
167 100  
166 21.7 17.2 25.8  
139 13.2 10.6 15.8

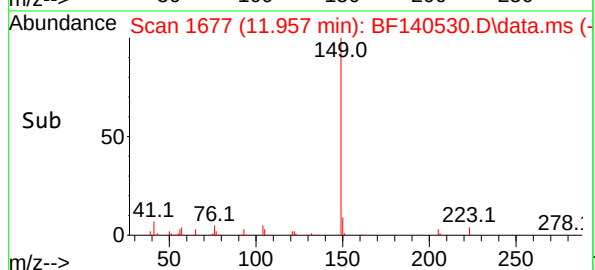
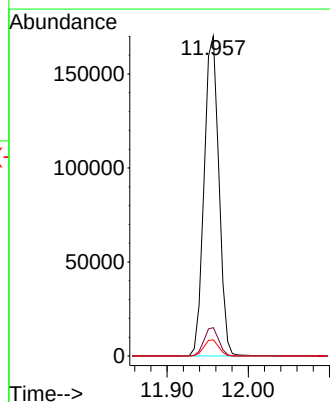
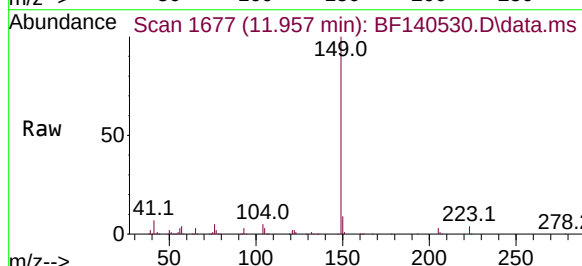
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Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024

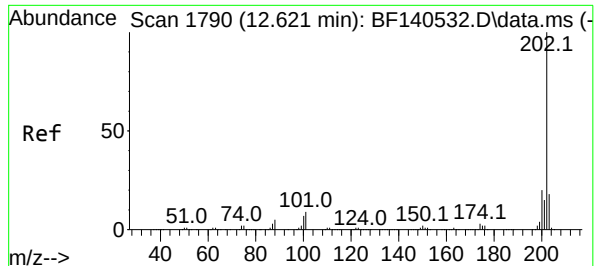


#74  
Di-n-butylphthalate  
Concen: 10.288 ng  
RT: 11.957 min Scan# 1677  
Delta R.T. 0.000 min  
Lab File: BF140530.D  
Acq: 21 Nov 2024 12:05

Tgt Ion:149 Resp: 214564  
Ion Ratio Lower Upper  
149 100  
150 8.9 7.5 11.3  
104 5.0 4.1 6.1

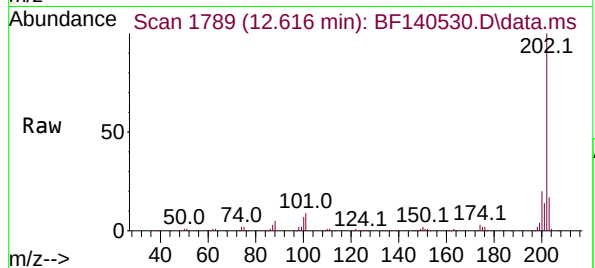






#75  
Fluoranthene  
Concen: 10.640 ng  
RT: 12.616 min Scan# 1789  
Delta R.T. -0.006 min  
Lab File: BF140530.D  
Acq: 21 Nov 2024 12:05

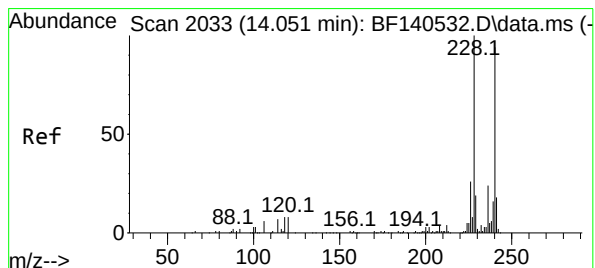
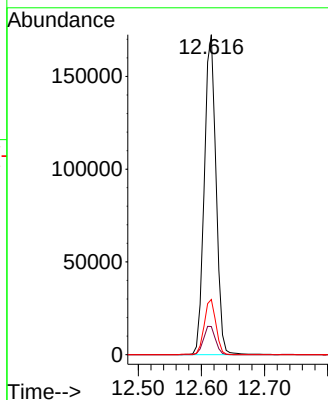
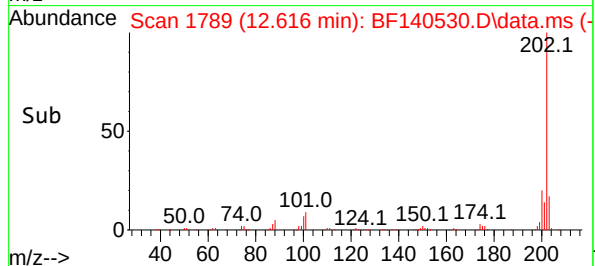
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC010



Tgt Ion:202 Resp: 22177  
Ion Ratio Lower Upper  
202 100  
101 8.8 0.0 28.9  
203 17.3 0.0 37.6

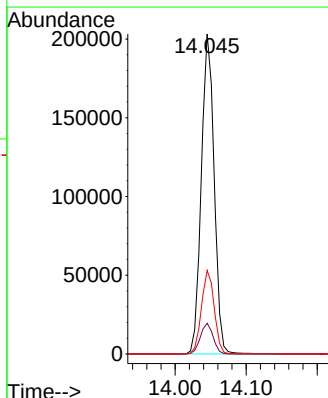
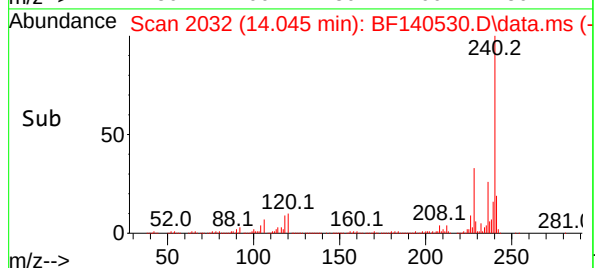
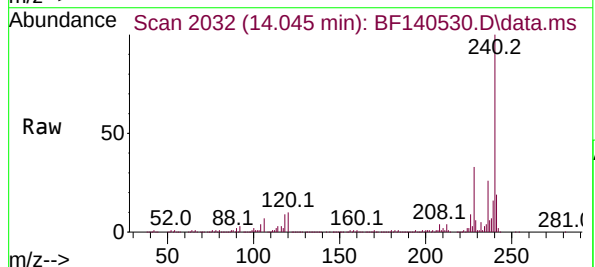
Manual Integrations  
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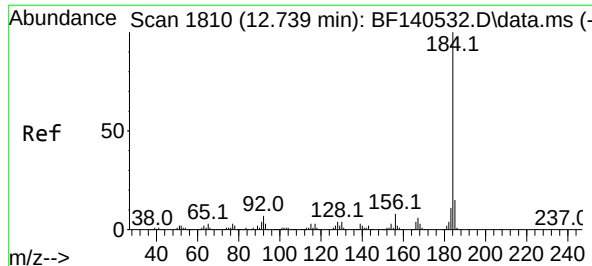
Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.045 min Scan# 2032  
Delta R.T. -0.006 min  
Lab File: BF140530.D  
Acq: 21 Nov 2024 12:05

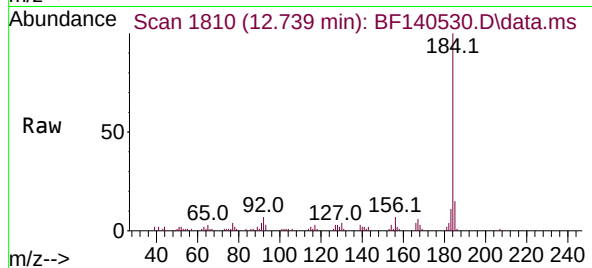
Tgt Ion:240 Resp: 256196  
Ion Ratio Lower Upper  
240 100  
120 9.6 7.3 10.9  
236 26.1 20.6 31.0





#77  
Benzidine  
Concen: 7.252 ng  
RT: 12.739 min Scan# 1810  
Delta R.T. 0.000 min  
Lab File: BF140530.D  
Acq: 21 Nov 2024 12:05

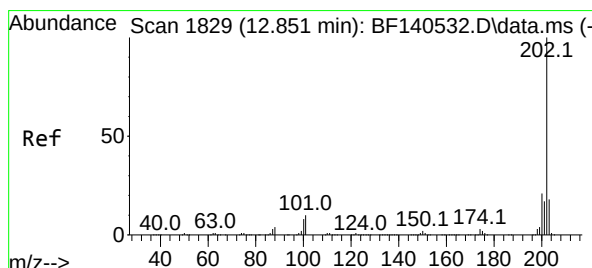
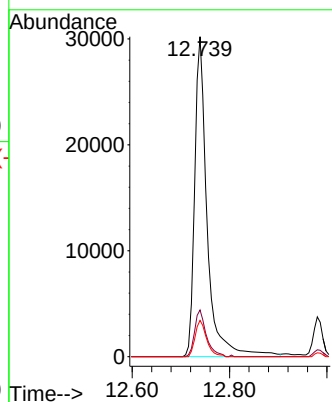
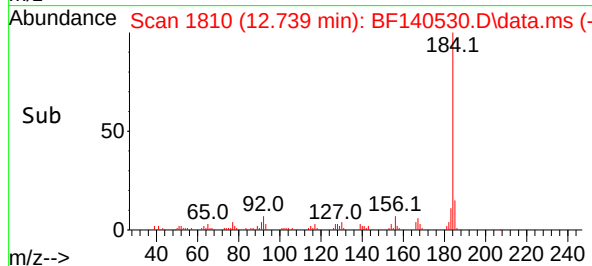
Instrument :  
BNA\_F  
Client Sample Id :  
SSTDICC010



Tgt Ion:184 Resp: 5402  
Ion Ratio Lower Upper  
184 100  
185 14.6 11.7 17.5  
183 11.4 8.8 13.2

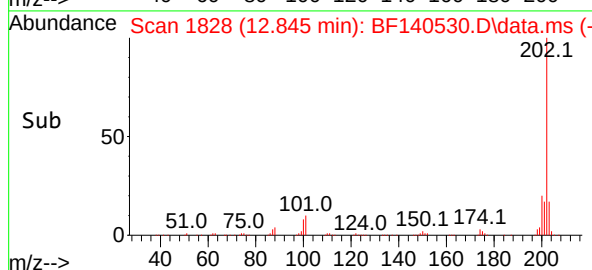
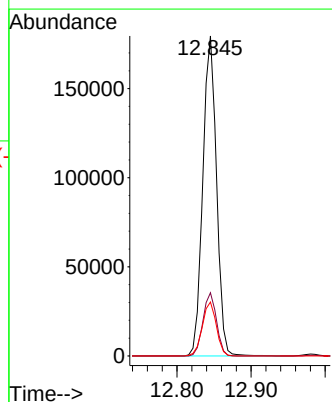
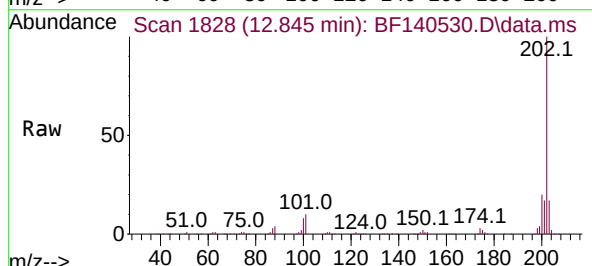
Manual Integrations  
APPROVED

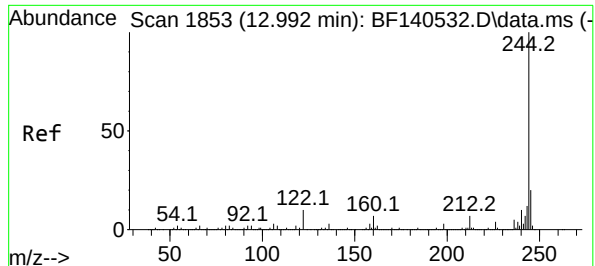
Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024



#78  
Pyrene  
Concen: 9.741 ng  
RT: 12.845 min Scan# 1828  
Delta R.T. -0.006 min  
Lab File: BF140530.D  
Acq: 21 Nov 2024 12:05

Tgt Ion:202 Resp: 230747  
Ion Ratio Lower Upper  
202 100  
200 19.7 16.5 24.7  
203 16.9 14.2 21.4





#79

Terphenyl-d14

Concen: 19.532 ng

RT: 12.980 min Scan# 1851

Delta R.T. -0.012 min

Lab File: BF140530.D

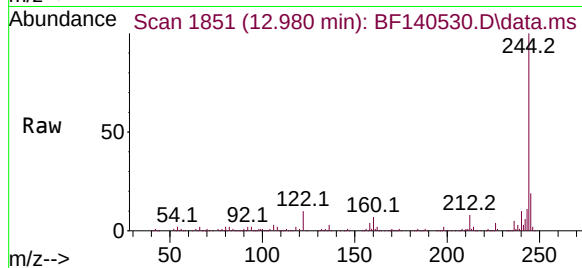
Acq: 21 Nov 2024 12:05

Instrument :

BNA\_F

ClientSampleId :

SSTDICC010



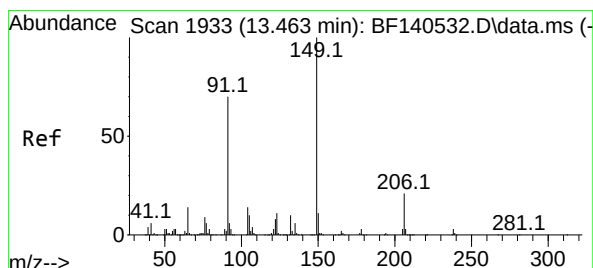
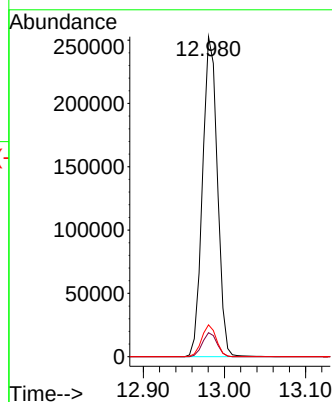
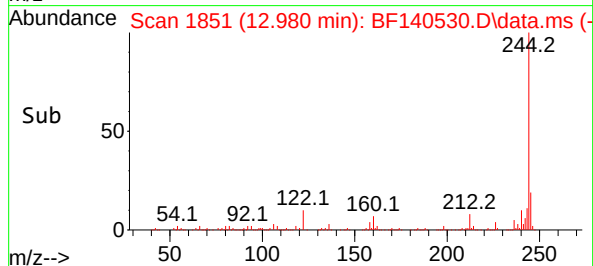
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 244   | Resp: | 32136 |
| Ion Ratio | Lower | Upper |       |
| 244       | 100   |       |       |
| 212       | 7.5   | 5.8   | 8.8   |
| 122       | 10.0  | 8.0   | 12.0  |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/27/2024



#80

Butylbenzylphthalate

Concen: 9.674 ng

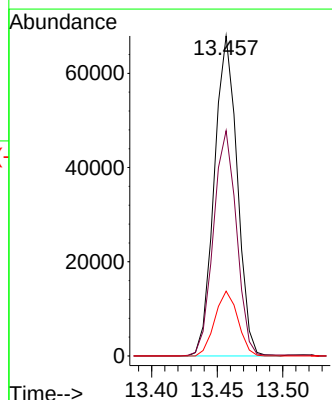
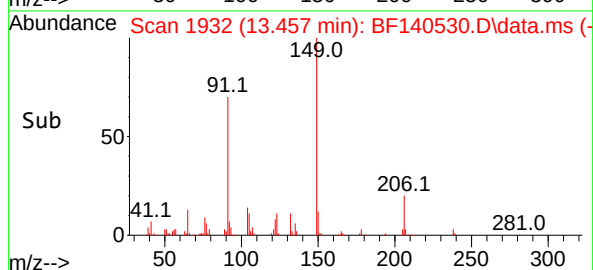
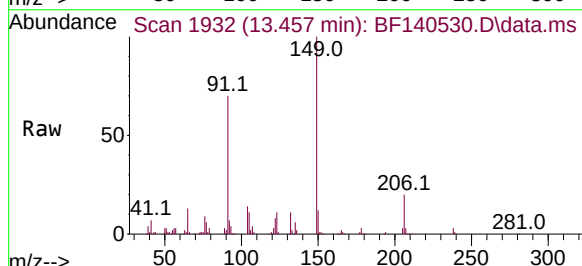
RT: 13.457 min Scan# 1932

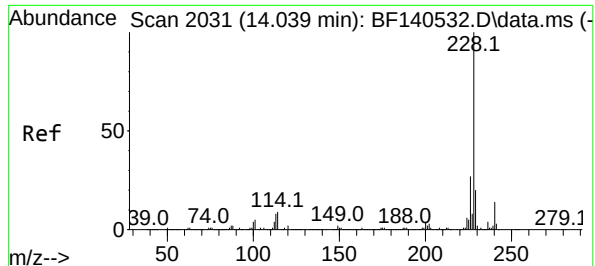
Delta R.T. -0.006 min

Lab File: BF140530.D

Acq: 21 Nov 2024 12:05

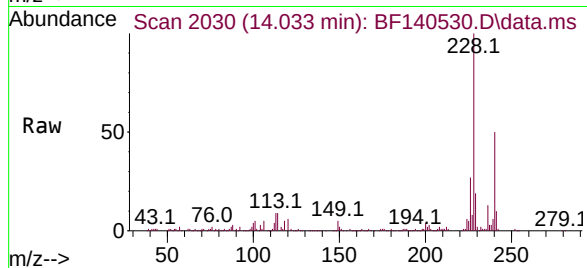
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 149   | Resp: | 82557 |
| Ion Ratio | Lower | Upper |       |
| 149       | 100   |       |       |
| 91        | 70.4  | 56.2  | 84.2  |
| 206       | 20.2  | 16.4  | 24.6  |





#81  
Benzo(a)anthracene  
Concen: 9.964 ng  
RT: 14.033 min Scan# 2031  
Delta R.T. -0.006 min  
Lab File: BF140530.D  
Acq: 21 Nov 2024 12:05

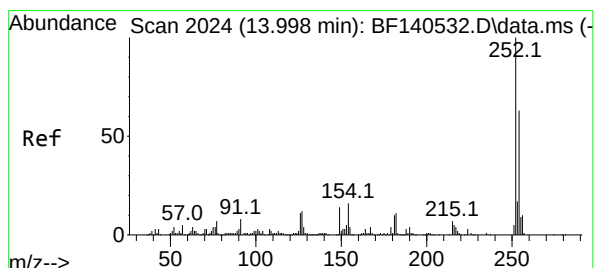
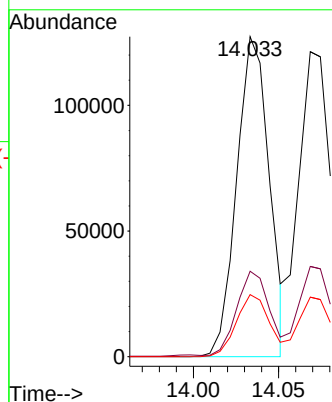
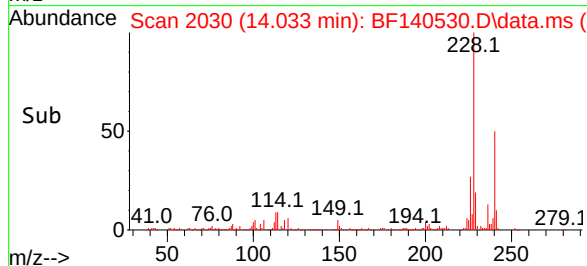
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC010



Tgt Ion:228 Resp: 168988  
Ion Ratio Lower Upper  
228 100  
226 26.7 21.8 32.8  
229 19.4 15.8 23.6

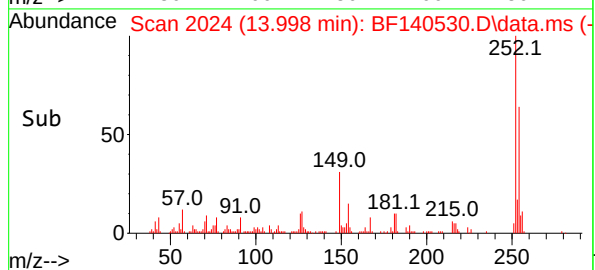
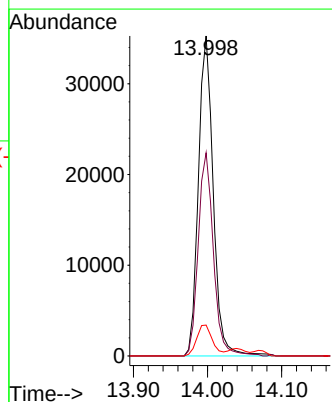
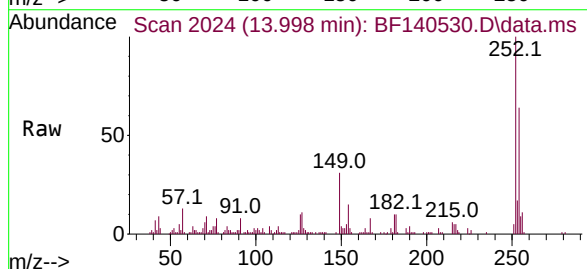
Manual Integrations  
APPROVED

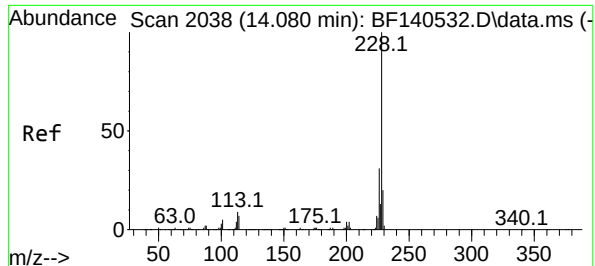
Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024



#82  
3,3'-Dichlorobenzidine  
Concen: 9.634 ng  
RT: 13.998 min Scan# 2024  
Delta R.T. 0.000 min  
Lab File: BF140530.D  
Acq: 21 Nov 2024 12:05

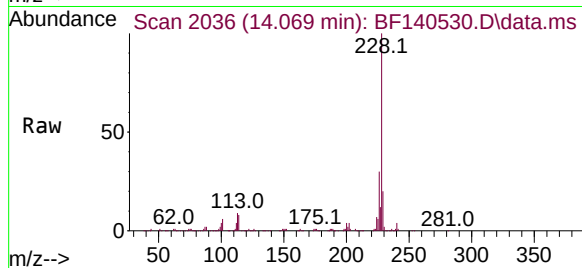
Tgt Ion:252 Resp: 49053  
Ion Ratio Lower Upper  
252 100  
254 63.5 50.8 76.2  
126 9.6 8.6 13.0





#83  
Chrysene  
Concen: 10.435 ng  
RT: 14.069 min Scan# 2036  
Delta R.T. -0.012 min  
Lab File: BF140530.D  
Acq: 21 Nov 2024 12:05

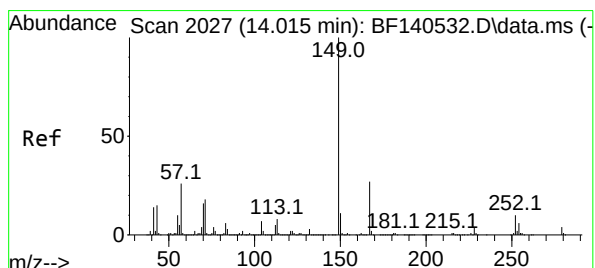
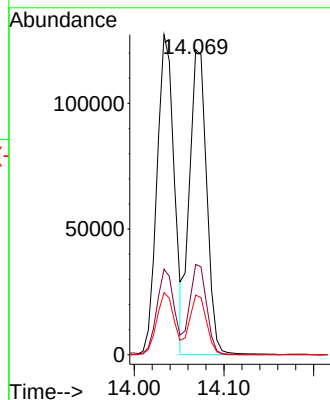
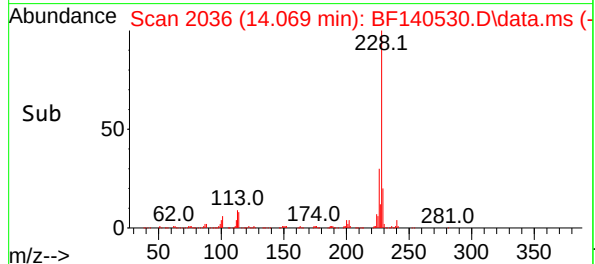
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC010



Tgt Ion:228 Resp: 16181  
Ion Ratio Lower Upper  
228 100  
226 29.6 24.4 36.6  
229 19.5 15.8 23.6

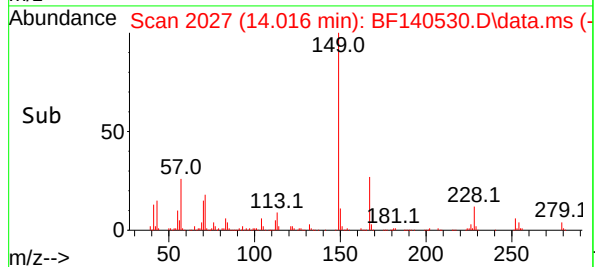
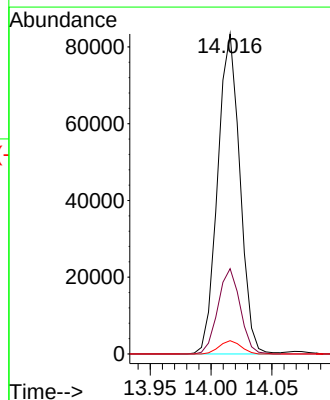
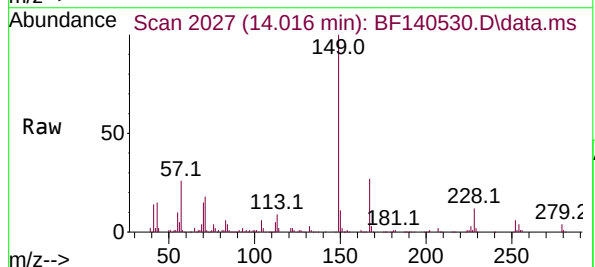
Manual Integrations  
APPROVED

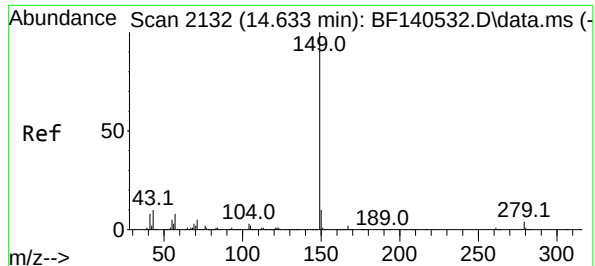
Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024



#84  
Bis(2-ethylhexyl)phthalate  
Concen: 9.846 ng  
RT: 14.016 min Scan# 2027  
Delta R.T. 0.000 min  
Lab File: BF140530.D  
Acq: 21 Nov 2024 12:05

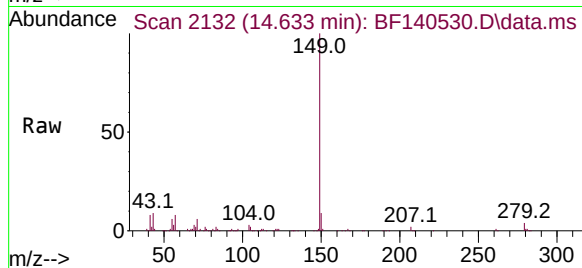
Tgt Ion:149 Resp: 106093  
Ion Ratio Lower Upper  
149 100  
167 26.7 21.2 31.8  
279 4.1 3.2 4.8





#85  
Di-n-octyl phthalate  
Concen: 9.852 ng  
RT: 14.633 min Scan# 2132  
Delta R.T. 0.000 min  
Lab File: BF140530.D  
Acq: 21 Nov 2024 12:05

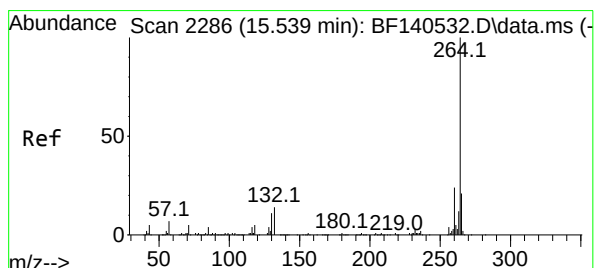
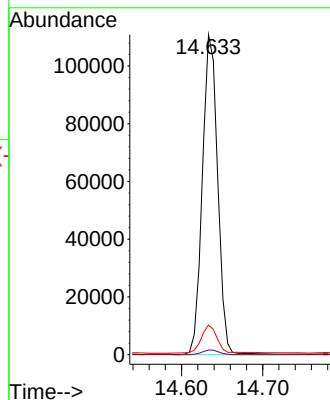
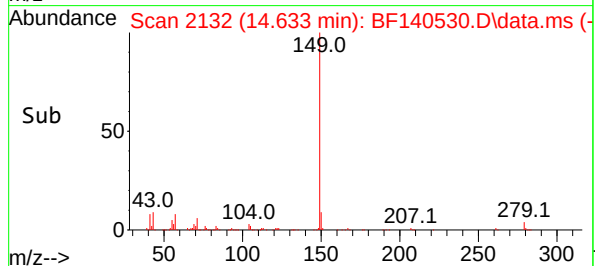
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC010



Tgt Ion:149 Resp: 145085  
Ion Ratio Lower Upper  
149 100  
167 1.6 1.3 1.9  
43 9.5 7.7 11.5

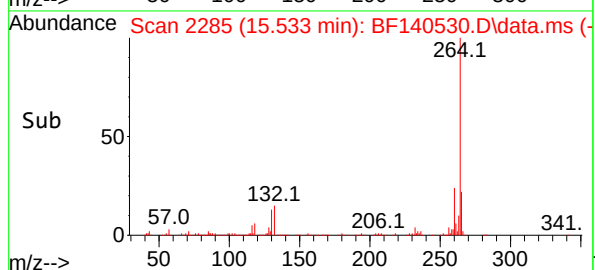
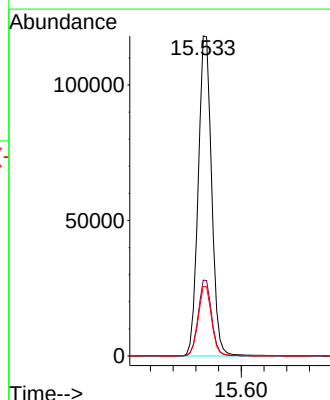
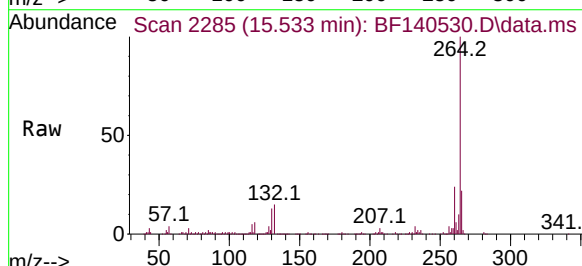
Manual Integrations  
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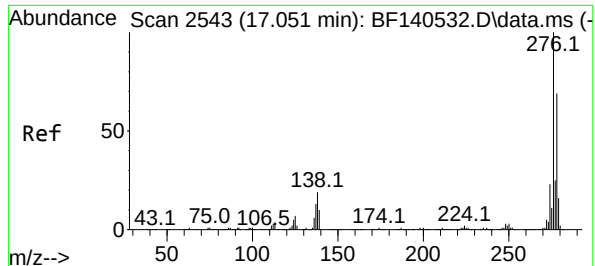
Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.533 min Scan# 2285  
Delta R.T. -0.006 min  
Lab File: BF140530.D  
Acq: 21 Nov 2024 12:05

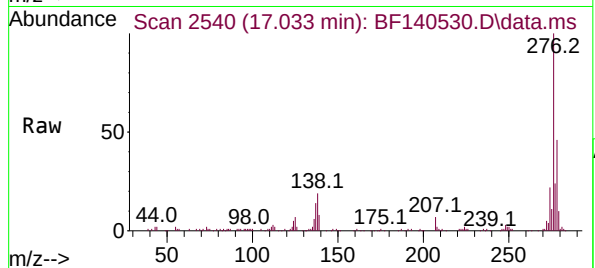
Tgt Ion:264 Resp: 194024  
Ion Ratio Lower Upper  
264 100  
260 23.7 19.0 28.6  
265 21.7 16.6 25.0





#87  
Indeno(1,2,3-cd)pyrene  
Concen: 9.843 ng  
RT: 17.033 min Scan# 211  
Delta R.T. -0.018 min  
Lab File: BF140530.D  
Acq: 21 Nov 2024 12:05

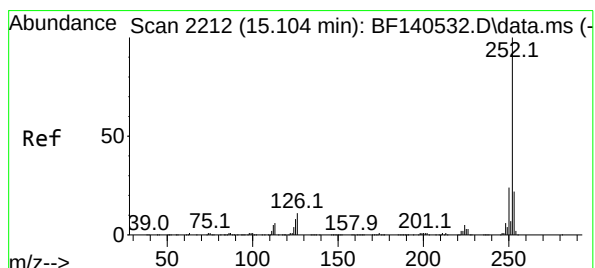
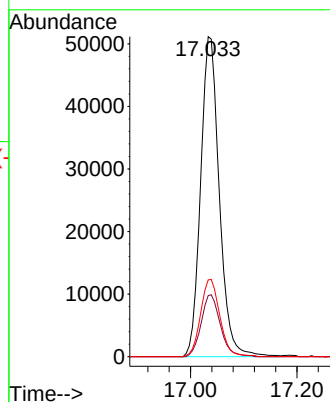
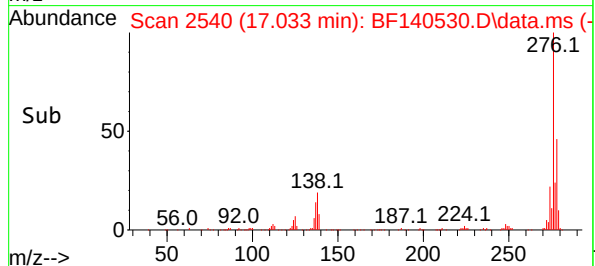
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC010



Tgt Ion:276 Resp: 12445  
Ion Ratio Lower Upper  
276 100  
138 19.8 15.5 23.3  
277 25.0 20.1 30.1

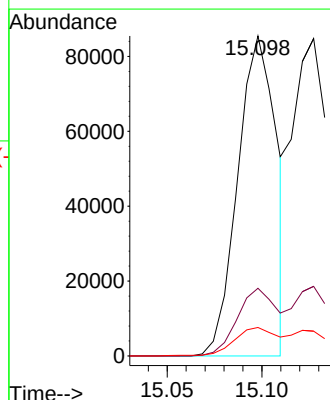
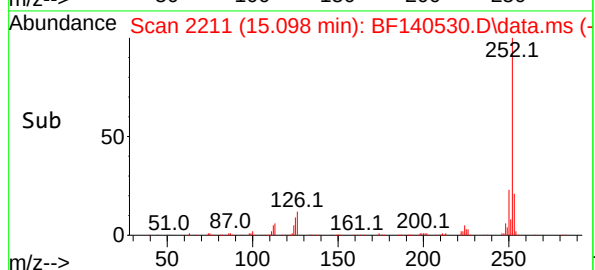
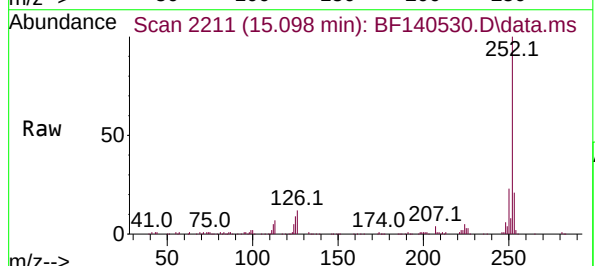
Manual Integrations  
APPROVED

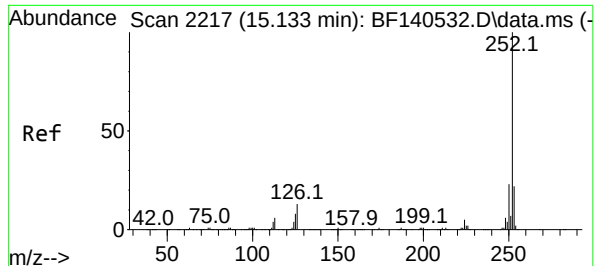
Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024



#88  
Benzo(b)fluoranthene  
Concen: 10.001 ng  
RT: 15.098 min Scan# 2211  
Delta R.T. -0.006 min  
Lab File: BF140530.D  
Acq: 21 Nov 2024 12:05

Tgt Ion:252 Resp: 121884  
Ion Ratio Lower Upper  
252 100  
253 21.2 17.2 25.8  
125 8.9 6.7 10.1





#89

Benzo(k)fluoranthene

Concen: 11.241 ng

RT: 15.127 min Scan# 2216

Delta R.T. -0.006 min

Lab File: BF140530.D

Acq: 21 Nov 2024 12:05

Instrument :

BNA\_F

ClientSampleId :

SSTDICC010

Tgt Ion:252 Resp: 119878

Ion Ratio Lower Upper

252 100

253 21.9 17.5 26.3

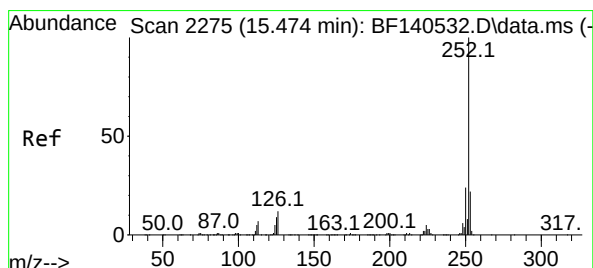
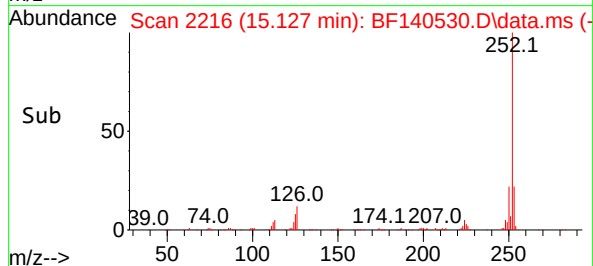
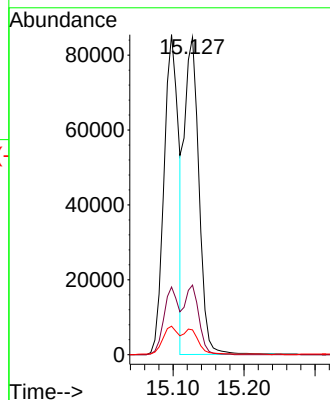
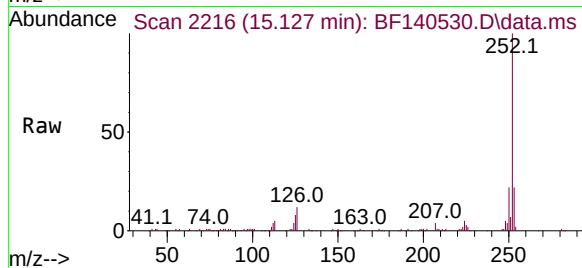
125 7.8 6.5 9.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/27/2024



#90

Benzo(a)pyrene

Concen: 10.276 ng

RT: 15.468 min Scan# 2274

Delta R.T. -0.006 min

Lab File: BF140530.D

Acq: 21 Nov 2024 12:05

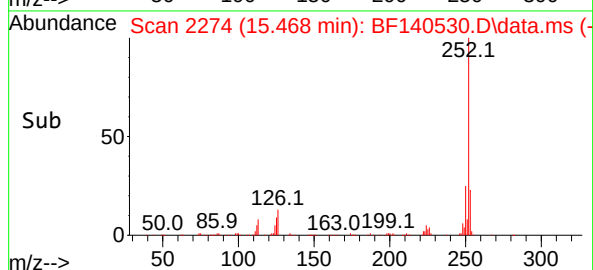
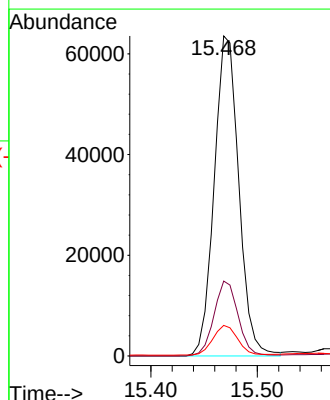
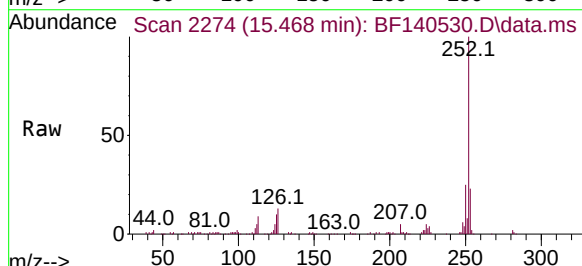
Tgt Ion:252 Resp: 101824

Ion Ratio Lower Upper

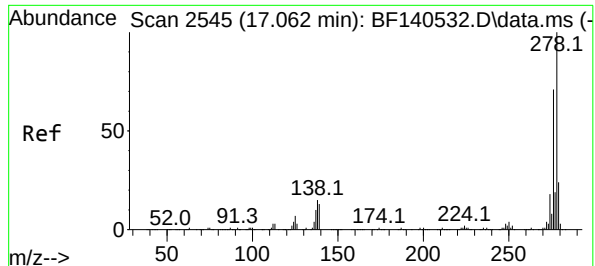
252 100

253 23.4 17.3 25.9

125 9.6 7.0 10.6







#91

Dibenzo(a,h)anthracene

Concen: 9.720 ng

RT: 17.051 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF140530.D

Acq: 21 Nov 2024 12:05

Instrument :

BNA\_F

ClientSampleId :

SSTDICC010

Tgt Ion:278 Resp: 100650

Ion Ratio Lower Upper

278 100

139 13.0 10.2 15.4

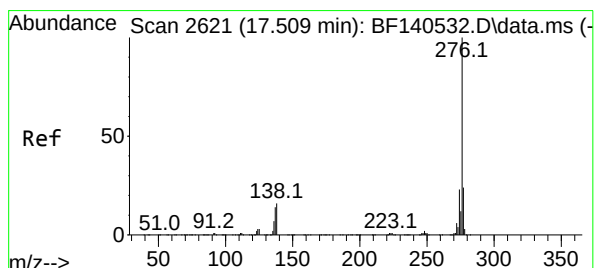
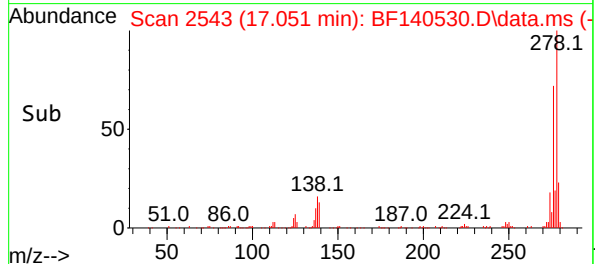
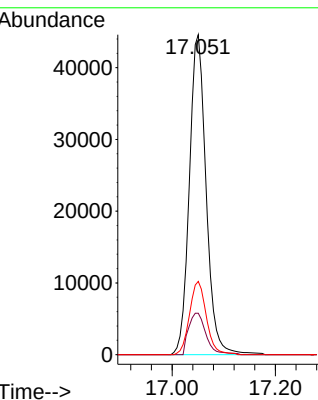
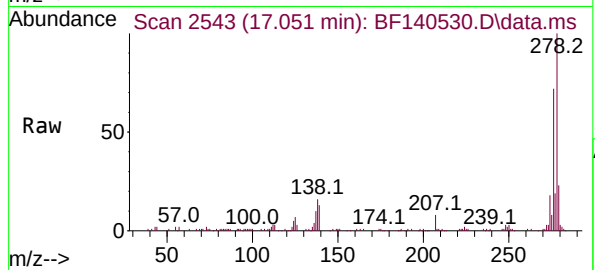
279 22.9 18.9 28.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/27/2024



#92

Benzo(g,h,i)perylene

Concen: 10.010 ng

RT: 17.492 min Scan# 2618

Delta R.T. -0.018 min

Lab File: BF140530.D

Acq: 21 Nov 2024 12:05

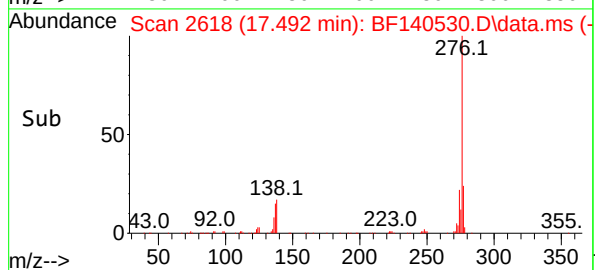
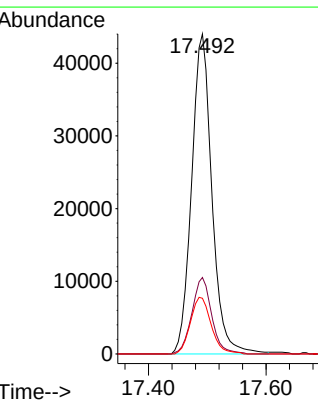
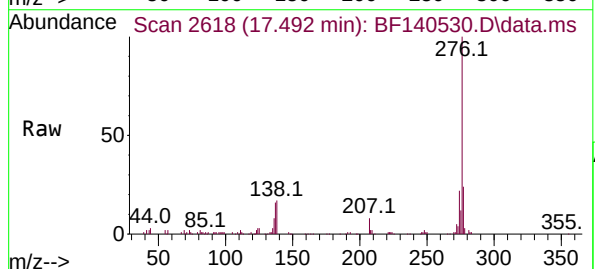
Tgt Ion:276 Resp: 105771

Ion Ratio Lower Upper

276 100

277 23.9 18.9 28.3

138 17.4 13.2 19.8



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF112124\  
 Data File : BF140531.D  
 Acq On : 21 Nov 2024 12:32  
 Operator : RC/JU  
 Sample : SSTDICC020  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDICC020

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 11/22/2024  
 Supervised By :mohammad ahmed 11/27/2024

Quant Time: Nov 21 15:11:39 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF112124.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Nov 21 14:50:10 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.875  | 152  | 99570    | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.151  | 136  | 364692   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.910  | 164  | 198805   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.398 | 188  | 382041   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 14.051 | 240  | 225903   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12              | 15.533 | 264  | 173612   | 20.000 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.499  | 112  | 239365   | 41.017 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.510  | 99   | 310375   | 40.230 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.434  | 82   | 288201   | 40.422 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.704 | 330  | 87426    | 41.118 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.228  | 172  | 565607   | 42.389 | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.986 | 244  | 590771   | 40.721 | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.646  | 88   | 57318    | 23.361 | ng    | 98       |
| 3) Pyridine                   | 3.422  | 79   | 111651   | 20.682 | ng    | 98       |
| 4) n-Nitrosodimethylamine     | 3.357  | 42   | 65851    | 20.754 | ng    | 95       |
| 6) Aniline                    | 6.534  | 93   | 112828   | 20.778 | ng    | 88       |
| 8) 2-Chlorophenol             | 6.663  | 128  | 127220   | 20.263 | ng    | 96       |
| 9) Benzaldehyde               | 6.422  | 77   | 96584    | 23.648 | ng    | 97       |
| 10) Phenol                    | 6.522  | 94   | 161262   | 20.467 | ng    | 94       |
| 11) bis(2-Chloroethyl)ether   | 6.604  | 93   | 120837   | 20.042 | ng    | 100      |
| 12) 1,3-Dichlorobenzene       | 6.816  | 146  | 142704   | 20.228 | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 6.893  | 146  | 144955   | 20.293 | ng    | 100      |
| 14) 1,2-Dichlorobenzene       | 7.045  | 146  | 136939   | 20.459 | ng    | 99       |
| 15) Benzyl Alcohol            | 7.010  | 79   | 115602   | 20.205 | ng    | 98       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.146  | 45   | 142742   | 20.040 | ng    | 81       |
| 17) 2-Methylphenol            | 7.128  | 107  | 102895   | 20.473 | ng    | 94       |
| 18) Hexachloroethane          | 7.381  | 117  | 54624    | 20.475 | ng    | 97       |
| 19) n-Nitroso-di-n-propyla... | 7.281  | 70   | 91173    | 19.996 | ng    | 97       |
| 20) 3+4-Methylphenols         | 7.281  | 107  | 129954   | 20.117 | ng    | 94       |
| 22) Acetophenone              | 7.281  | 105  | 180222   | 20.270 | ng    | 100      |
| 24) Nitrobenzene              | 7.451  | 77   | 148986   | 20.218 | ng    | 100      |
| 25) Isophorone                | 7.687  | 82   | 239713   | 20.158 | ng    | 98       |
| 26) 2-Nitrophenol             | 7.769  | 139  | 67593    | 20.699 | ng    | 100      |
| 27) 2,4-Dimethylphenol        | 7.804  | 122  | 77504    | 19.836 | ng    | 99       |
| 28) bis(2-Chloroethoxy)met... | 7.898  | 93   | 146899   | 20.277 | ng    | 100      |
| 29) 2,4-Dichlorophenol        | 8.016  | 162  | 105906   | 20.456 | ng    | 98       |
| 30) 1,2,4-Trichlorobenzene    | 8.092  | 180  | 120949   | 20.461 | ng    | 100      |
| 31) Naphthalene               | 8.175  | 128  | 387236   | 20.614 | ng    | 99       |
| 32) Benzoic acid              | 7.904  | 122  | 45935    | 18.678 | ng    | 99       |
| 33) 4-Chloroaniline           | 8.222  | 127  | 112719   | 20.042 | ng    | 100      |
| 34) Hexachlorobutadiene       | 8.287  | 225  | 79980    | 20.427 | ng    | 99       |
| 35) Caprolactam               | 8.581  | 113  | 33020    | 20.609 | ng    | 94       |
| 36) 4-Chloro-3-methylphenol   | 8.710  | 107  | 115782   | 19.974 | ng    | 98       |
| 37) 2-Methylnaphthalene       | 8.863  | 142  | 243949   | 20.446 | ng    | 99       |
| 38) 1-Methylnaphthalene       | 8.963  | 142  | 240502   | 20.564 | ng    | 98       |
| 40) 1,2,4,5-Tetrachloroben... | 9.034  | 216  | 120444   | 20.695 | ng    | 100      |
| 41) Hexachlorocyclopentadiene | 9.016  | 237  | 17909    | 19.734 | ng    | 98       |
| 43) 2,4,6-Trichlorophenol     | 9.145  | 196  | 74538    | 20.410 | ng    | 100      |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF112124\  
 Data File : BF140531.D  
 Acq On : 21 Nov 2024 12:32  
 Operator : RC/JU  
 Sample : SSTDICC020  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

## Instrument :

BNA\_F

## ClientSampleId :

SSTDICC020

## Manual Integrations

## APPROVED

Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/27/2024

Quant Time: Nov 21 15:11:39 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF112124.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Thu Nov 21 14:50:10 2024

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.192  | 196  | 81588    | 20.585 | ng    | 98       |
| 46) 1,1'-Biphenyl             | 9.328  | 154  | 310749   | 20.936 | ng    | 100      |
| 47) 2-Chloronaphthalene       | 9.357  | 162  | 231066   | 20.545 | ng    | 99       |
| 48) 2-Nitroaniline            | 9.451  | 65   | 75343    | 20.871 | ng    | 99       |
| 49) Acenaphthylene            | 9.769  | 152  | 359483   | 21.155 | ng    | 100      |
| 50) Dimethylphthalate         | 9.628  | 163  | 267629   | 20.440 | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 9.692  | 165  | 61076    | 20.568 | ng    | 97       |
| 52) Acenaphthene              | 9.945  | 154  | 225540m  | 20.497 | ng    |          |
| 53) 3-Nitroaniline            | 9.863  | 138  | 61362    | 21.128 | ng    | 96       |
| 54) 2,4-Dinitrophenol         | 9.975  | 184  | 17628    | 18.164 | ng    | 98       |
| 55) Dibenzofuran              | 10.116 | 168  | 345729   | 20.992 | ng    | 100      |
| 56) 4-Nitrophenol             | 10.034 | 139  | 38787    | 19.582 | ng    | 97       |
| 57) 2,4-Dinitrotoluene        | 10.098 | 165  | 82706    | 20.957 | ng    | 96       |
| 58) Fluorene                  | 10.457 | 166  | 278115   | 21.038 | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol | 10.239 | 232  | 61142    | 20.072 | ng    | 98       |
| 60) Diethylphthalate          | 10.328 | 149  | 276859   | 20.812 | ng    | 100      |
| 61) 4-Chlorophenyl-phenyle... | 10.451 | 204  | 136189   | 20.992 | ng    | 98       |
| 62) 4-Nitroaniline            | 10.475 | 138  | 62610    | 20.555 | ng    | 99       |
| 63) Azobenzene                | 10.610 | 77   | 262444   | 20.833 | ng    | 99       |
| 65) 4,6-Dinitro-2-methylph... | 10.510 | 198  | 34412    | 17.627 | ng    | 97       |
| 66) n-Nitrosodiphenylamine    | 10.569 | 169  | 228075   | 20.187 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 10.939 | 248  | 78863    | 20.044 | ng    | 98       |
| 68) Hexachlorobenzene         | 11.010 | 284  | 91363    | 20.055 | ng    | 97       |
| 69) Atrazine                  | 11.092 | 200  | 50070    | 15.754 | ng    | 99       |
| 70) Pentachlorophenol         | 11.210 | 266  | 34309    | 17.111 | ng    | 97       |
| 71) Phenanthrene              | 11.428 | 178  | 370424   | 20.171 | ng    | 99       |
| 72) Anthracene                | 11.475 | 178  | 366152   | 20.383 | ng    | 100      |
| 73) Carbazole                 | 11.633 | 167  | 355423   | 20.567 | ng    | 99       |
| 74) Di-n-butylphthalate       | 11.957 | 149  | 410317   | 20.566 | ng    | 99       |
| 75) Fluoranthene              | 12.616 | 202  | 425403   | 21.335 | ng    | 99       |
| 77) Benzidine                 | 12.739 | 184  | 66895    | 10.185 | ng    | 99       |
| 78) Pyrene                    | 12.845 | 202  | 428479   | 20.514 | ng    | 99       |
| 80) Butylbenzylphthalate      | 13.457 | 149  | 156775   | 20.835 | ng    | 96       |
| 81) Benzo(a)anthracene        | 14.039 | 228  | 311416   | 20.825 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 13.998 | 252  | 88858    | 19.791 | ng    | 98       |
| 83) Chrysene                  | 14.074 | 228  | 275068   | 20.117 | ng    | 100      |
| 84) Bis(2-ethylhexyl)phtha... | 14.016 | 149  | 194626   | 20.484 | ng    | 100      |
| 85) Di-n-octyl phthalate      | 14.633 | 149  | 259088   | 19.953 | ng    | 100      |
| 87) Indeno(1,2,3-cd)pyrene    | 17.039 | 276  | 225489   | 19.930 | ng    | 100      |
| 88) Benzo(b)fluoranthene      | 15.098 | 252  | 239653   | 21.977 | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 15.127 | 252  | 183799   | 19.261 | ng    | 99       |
| 90) Benzo(a)pyrene            | 15.474 | 252  | 184528   | 20.812 | ng    | 98       |
| 91) Dibenzo(a,h)anthracene    | 17.051 | 278  | 184632   | 19.926 | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 17.492 | 276  | 187164   | 19.795 | ng    | 98       |

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

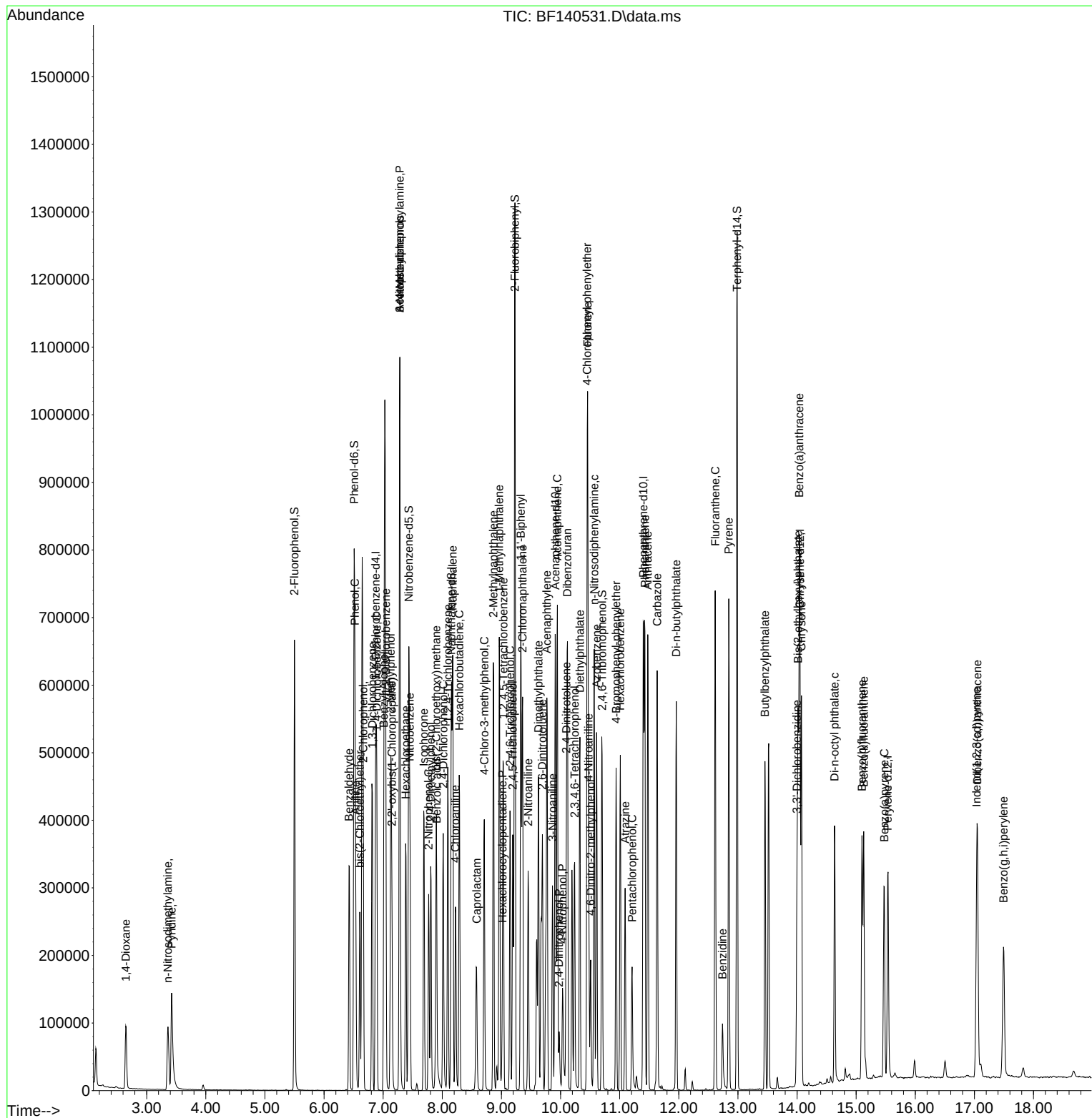
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Data File : BF140531.D  
Acq On : 21 Nov 2024 12:32  
Operator : RC/JU  
Sample : SSTDICC020  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

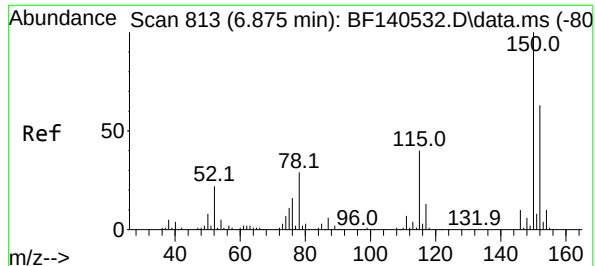
**Instrument :**  
BNA\_F  
**ClientSampleId :**  
SSTDICC020

## Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024

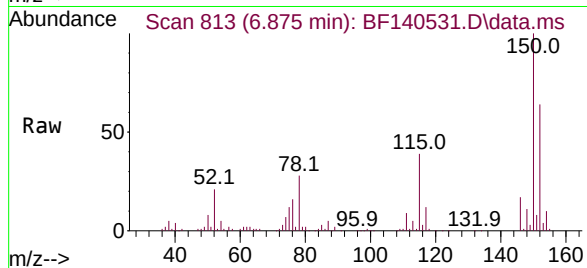
Quant Time: Nov 21 15:11:39 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF112124.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Nov 21 14:50:10 2024  
Response via : Initial Calibration





#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.875 min Scan# 81  
Delta R.T. -0.000 min  
Lab File: BF140531.D  
Acq: 21 Nov 2024 12:32

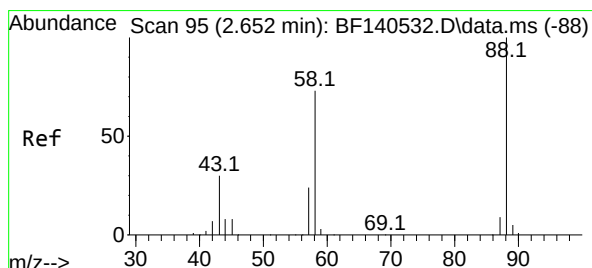
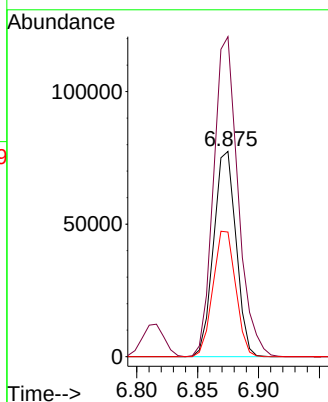
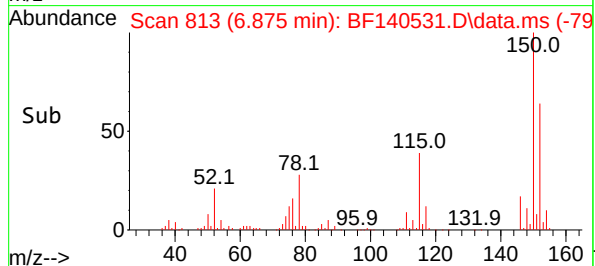
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC020



Tgt Ion:152 Resp: 99570  
Ion Ratio Lower Upper  
152 100  
150 155.8 128.5 192.7  
115 60.7 50.2 75.4

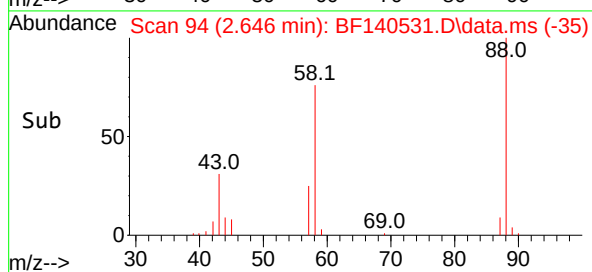
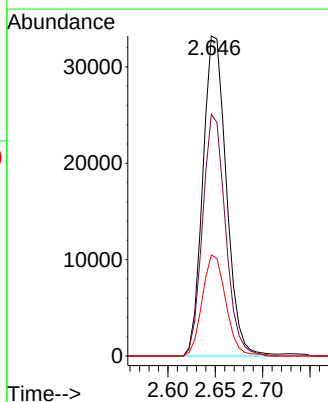
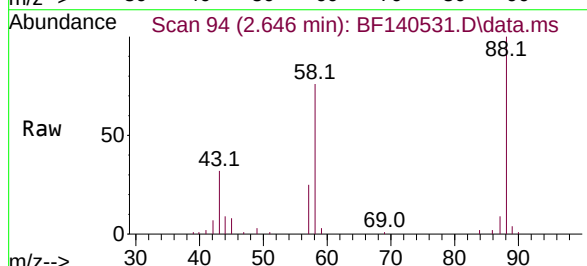
Manual Integrations  
APPROVED

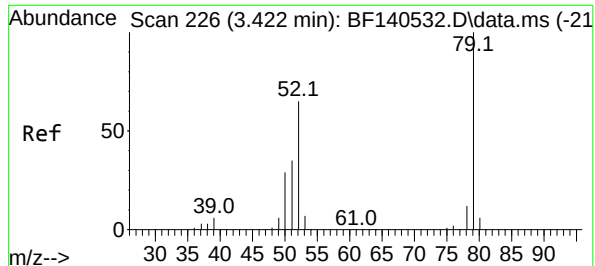
Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024



#2  
1,4-Dioxane  
Concen: 23.361 ng  
RT: 2.646 min Scan# 94  
Delta R.T. -0.006 min  
Lab File: BF140531.D  
Acq: 21 Nov 2024 12:32

Tgt Ion: 88 Resp: 57318  
Ion Ratio Lower Upper  
88 100  
58 73.3 57.4 86.2  
43 31.6 24.3 36.5





#3

Pyridine

Concen: 20.682 ng

RT: 3.422 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF140531.D

Acq: 21 Nov 2024 12:32

Instrument :

BNA\_F

ClientSampleId :

SSTDICC020

Tgt Ion: 79 Resp: 11165

Ion Ratio Lower Upper

79 100

52 66.7 52.1 78.1

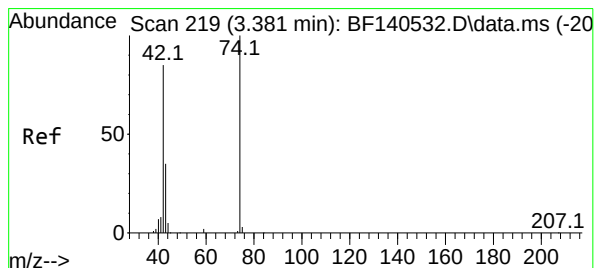
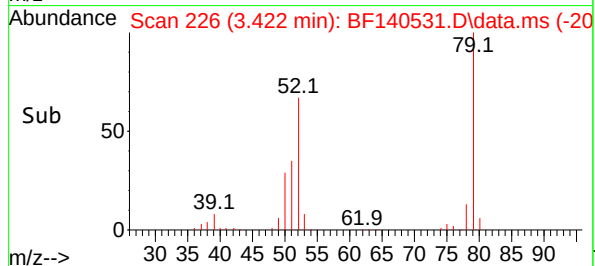
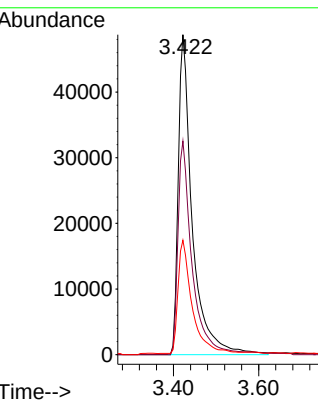
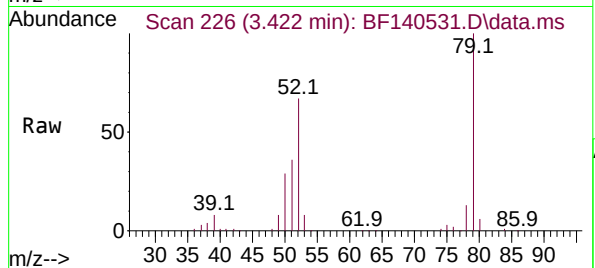
51 35.8 27.8 41.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/27/2024



#4

n-Nitrosodimethylamine

Concen: 20.754 ng

RT: 3.357 min Scan# 215

Delta R.T. -0.023 min

Lab File: BF140531.D

Acq: 21 Nov 2024 12:32

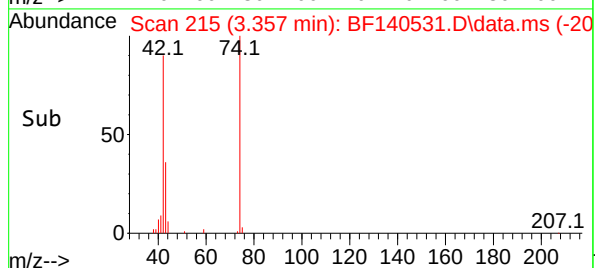
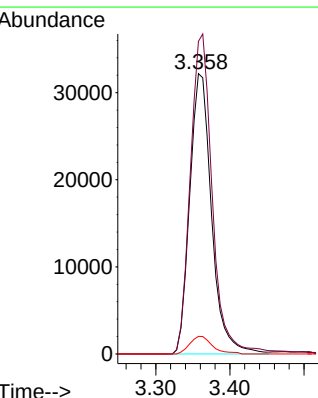
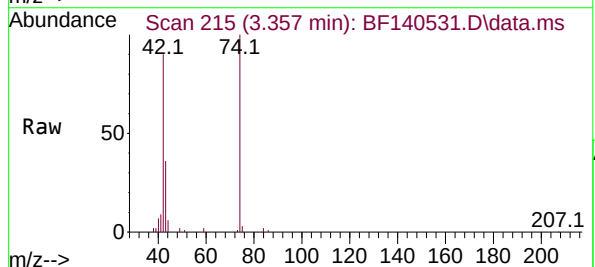
Tgt Ion: 42 Resp: 65851

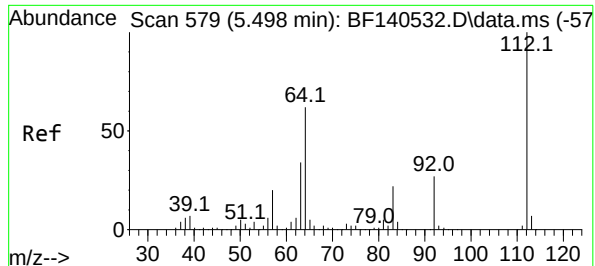
Ion Ratio Lower Upper

42 100

74 111.5 93.8 140.6

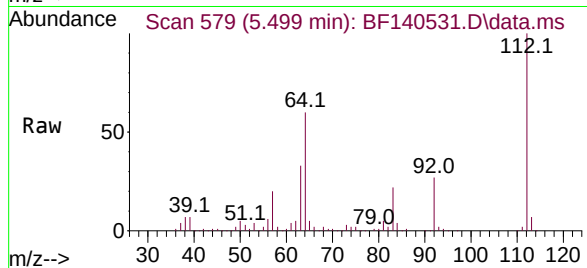
44 6.3 4.6 6.8





#5  
2-Fluorophenol  
Concen: 41.017 ng  
RT: 5.499 min Scan# 511  
Delta R.T. 0.000 min  
Lab File: BF140531.D  
Acq: 21 Nov 2024 12:32

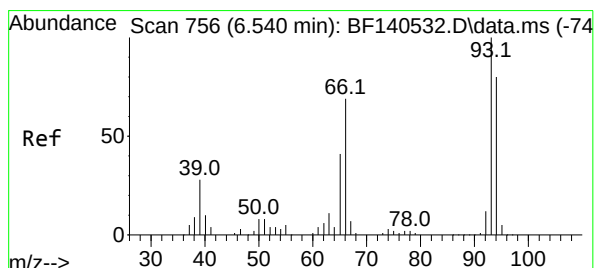
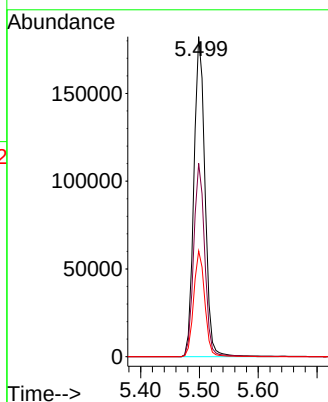
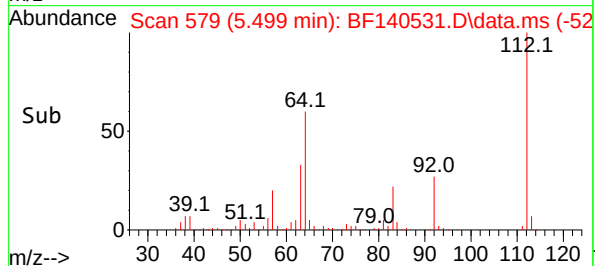
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC020



Tgt Ion:112 Resp: 23936  
Ion Ratio Lower Upper  
112 100  
64 60.4 49.2 73.8  
63 33.0 27.0 40.4

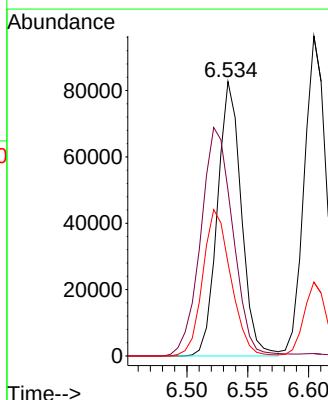
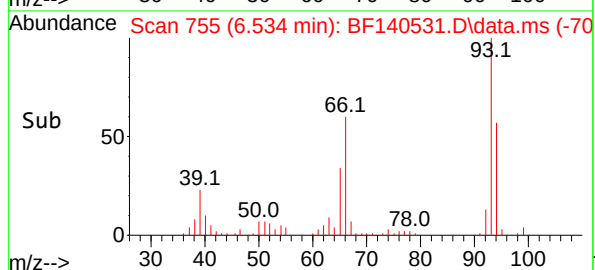
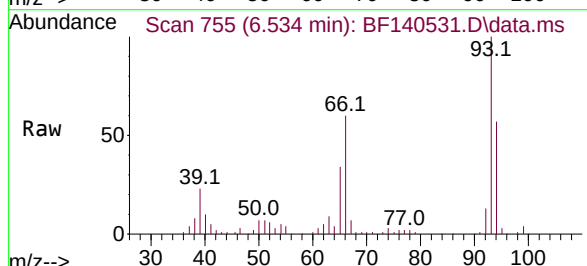
Manual Integrations  
APPROVED

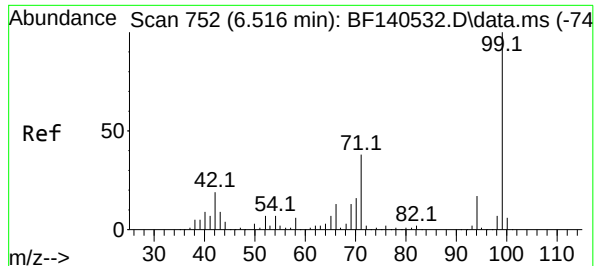
Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024



#6  
Aniline  
Concen: 20.778 ng  
RT: 6.534 min Scan# 755  
Delta R.T. -0.006 min  
Lab File: BF140531.D  
Acq: 21 Nov 2024 12:32

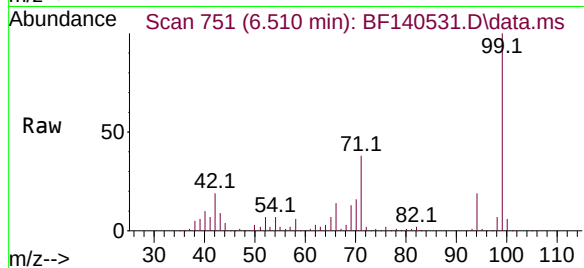
Tgt Ion: 93 Resp: 112828  
Ion Ratio Lower Upper  
93 100  
66 60.4 56.5 84.7  
65 34.0 32.9 49.3





#7  
Phenol-d6  
Concen: 40.230 ng  
RT: 6.510 min Scan# 751  
Delta R.T. -0.006 min  
Lab File: BF140531.D  
Acq: 21 Nov 2024 12:32

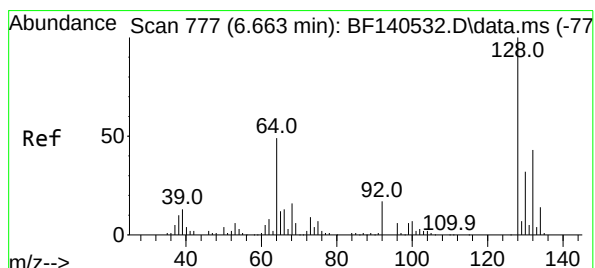
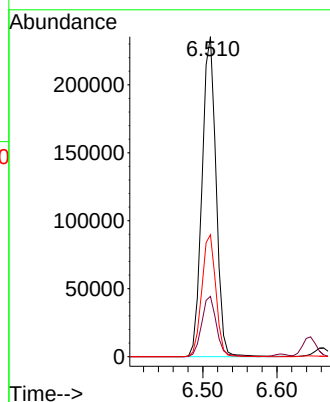
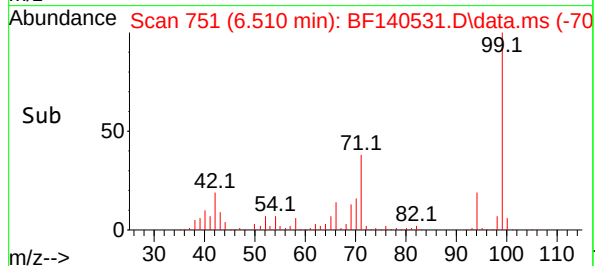
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC020



Tgt Ion: 99 Resp: 310375  
Ion Ratio Lower Upper  
99 100  
42 18.8 15.4 23.0  
71 38.1 30.6 46.0

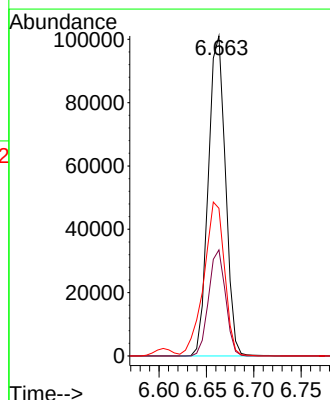
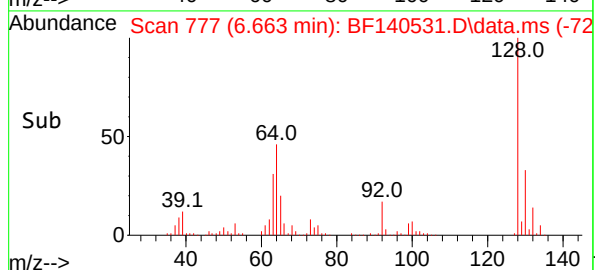
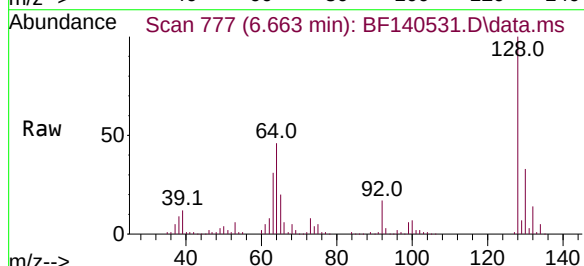
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024

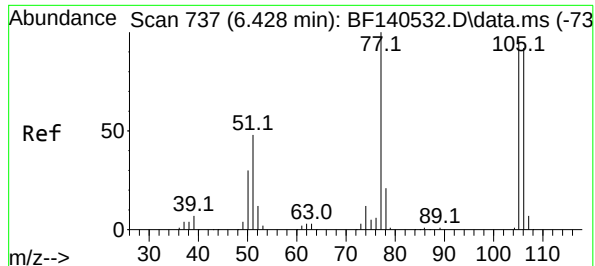


#8  
2-Chlorophenol  
Concen: 20.263 ng  
RT: 6.663 min Scan# 777  
Delta R.T. 0.000 min  
Lab File: BF140531.D  
Acq: 21 Nov 2024 12:32

Tgt Ion:128 Resp: 127220  
Ion Ratio Lower Upper  
128 100  
130 33.2 12.3 52.3  
64 46.2 30.2 70.2







#9

Benzaldehyde

Concen: 23.648 ng

RT: 6.422 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF140531.D

Acq: 21 Nov 2024 12:32

Instrument :

BNA\_F

ClientSampleId :

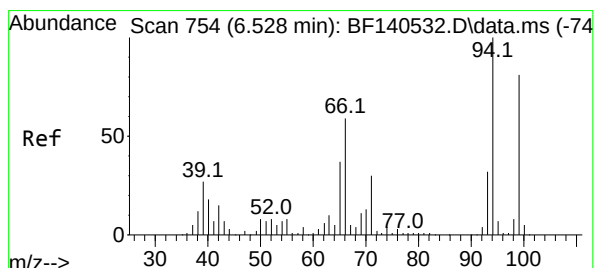
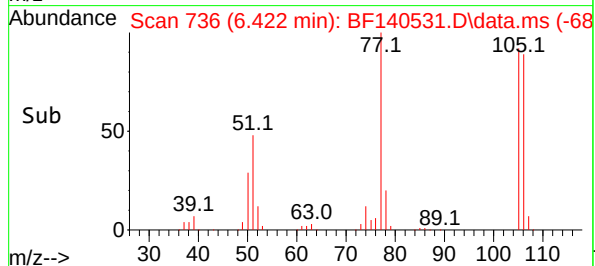
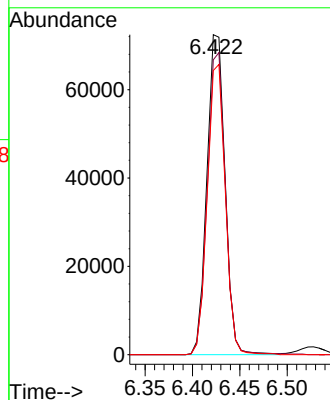
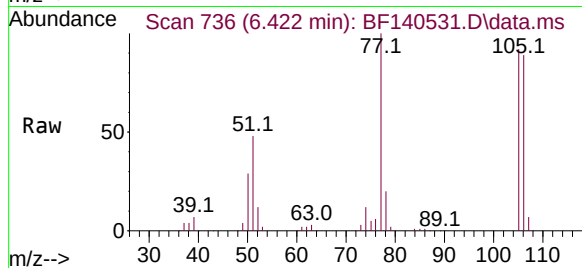
SSTDICC020

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 77    | Resp: | 96584 |
| Ion      | Ratio | Lower | Upper |
| 77       | 100   |       |       |
| 105      | 92.1  | 75.6  | 115.6 |
| 106      | 88.8  | 72.0  | 112.0 |

Manual Integrations

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Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024



#10

Phenol

Concen: 20.467 ng

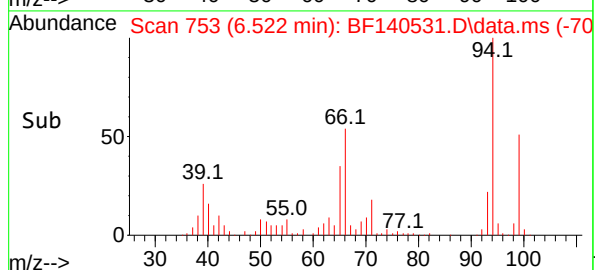
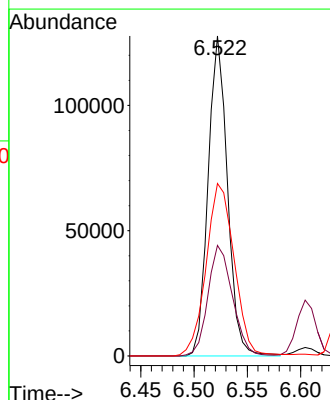
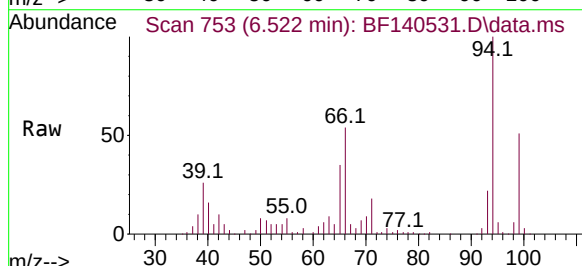
RT: 6.522 min Scan# 753

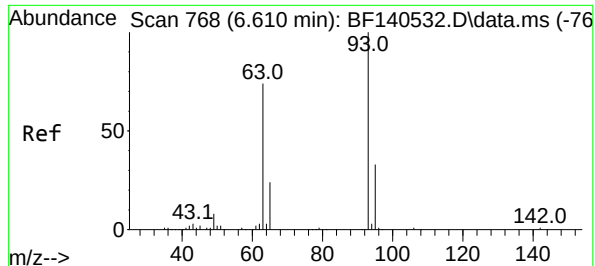
Delta R.T. -0.006 min

Lab File: BF140531.D

Acq: 21 Nov 2024 12:32

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 94    | Resp: | 161262 |
| Ion      | Ratio | Lower | Upper  |
| 94       | 100   |       |        |
| 65       | 34.6  | 17.2  | 57.2   |
| 66       | 53.9  | 39.2  | 79.2   |





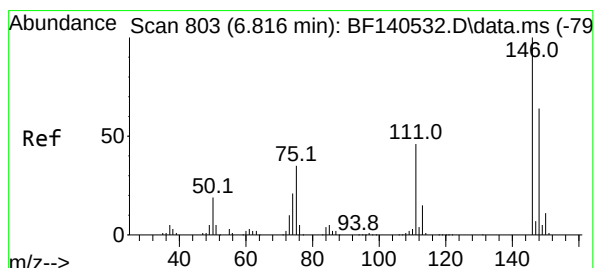
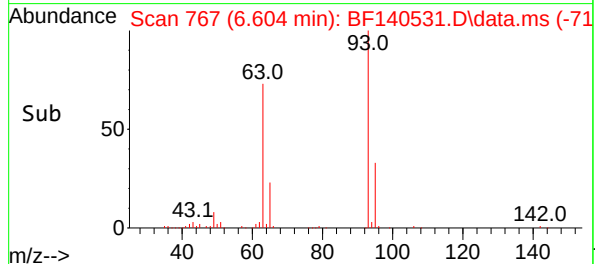
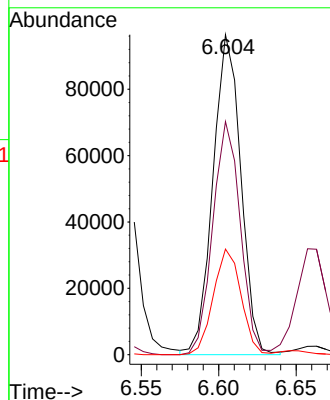
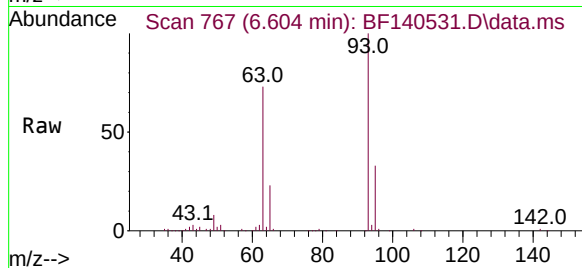
#11  
bis(2-Chloroethyl)ether  
Concen: 20.042 ng  
RT: 6.604 min Scan# 768  
Delta R.T. -0.006 min  
Lab File: BF140531.D  
Acq: 21 Nov 2024 12:32

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC020

Tgt Ion: 93 Resp: 12083  
Ion Ratio Lower Upper  
93 100  
63 72.9 52.8 92.8  
95 33.0 12.3 52.3

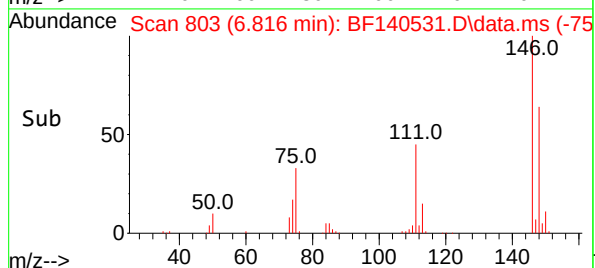
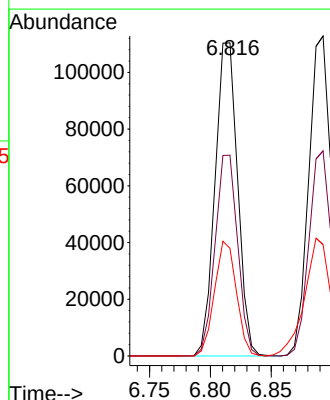
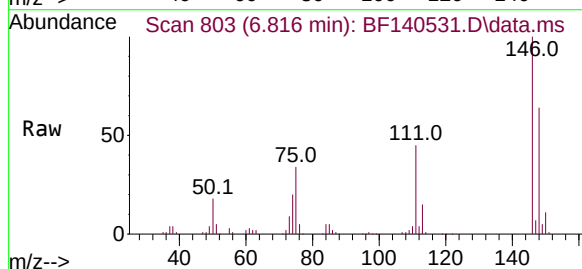
Manual Integrations  
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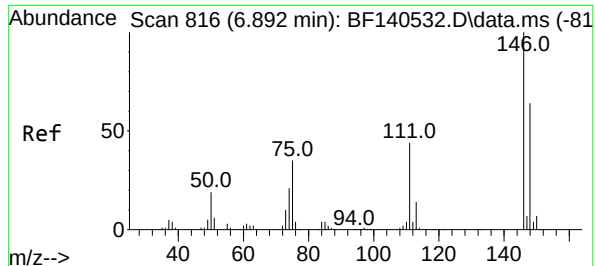
Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024



#12  
1,3-Dichlorobenzene  
Concen: 20.228 ng  
RT: 6.816 min Scan# 803  
Delta R.T. 0.000 min  
Lab File: BF140531.D  
Acq: 21 Nov 2024 12:32

Tgt Ion:146 Resp: 142704  
Ion Ratio Lower Upper  
146 100  
148 64.2 51.3 76.9  
75 34.4 28.2 42.2





#13

1,4-Dichlorobenzene

Concen: 20.293 ng

RT: 6.893 min Scan# 816

Delta R.T. 0.000 min

Lab File: BF140531.D

Acq: 21 Nov 2024 12:32

Instrument :

BNA\_F

ClientSampleId :

SSTDICC020

Tgt Ion:146 Resp: 14495

Ion Ratio Lower Upper

146 100

148 64.1 51.0 76.6

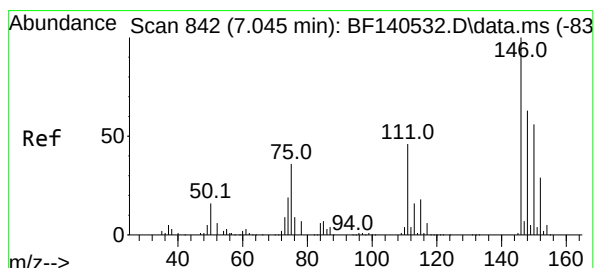
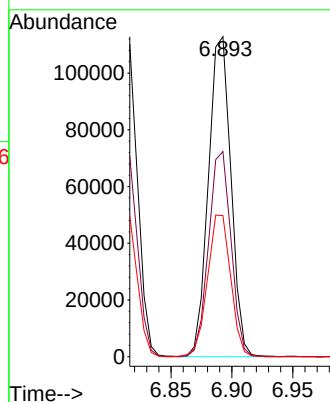
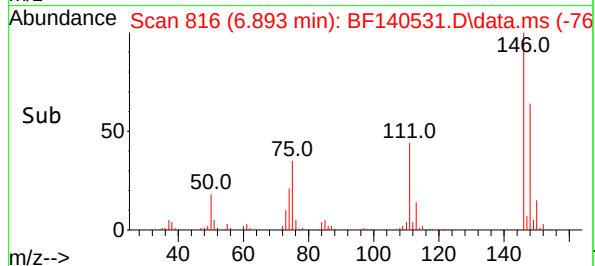
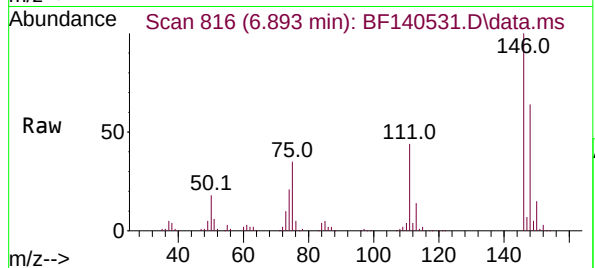
111 44.1 35.3 52.9

Manual Integrations

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Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/27/2024



#14

1,2-Dichlorobenzene

Concen: 20.459 ng

RT: 7.045 min Scan# 842

Delta R.T. 0.000 min

Lab File: BF140531.D

Acq: 21 Nov 2024 12:32

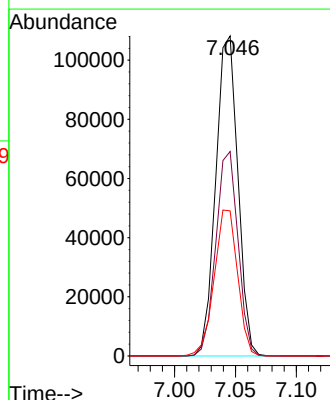
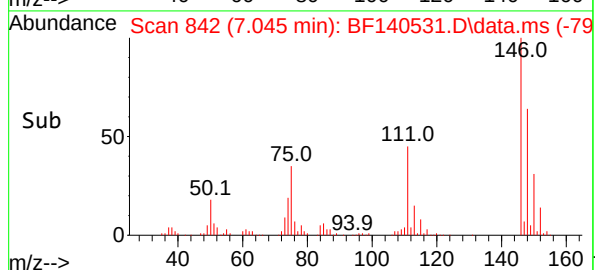
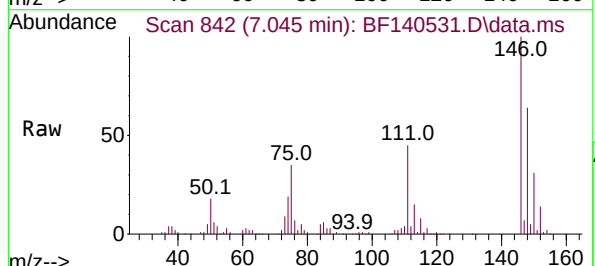
Tgt Ion:146 Resp: 136939

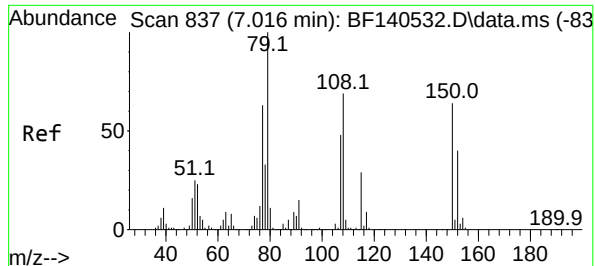
Ion Ratio Lower Upper

146 100

148 63.9 50.5 75.7

111 45.3 36.7 55.1





#15

Benzyl Alcohol

Concen: 20.205 ng

RT: 7.010 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF140531.D

Acq: 21 Nov 2024 12:32

Instrument :

BNA\_F

ClientSampleId :

SSTDICC020

Tgt Ion: 79 Resp: 115602

Ion Ratio Lower Upper

79 100

108 69.8 55.0 82.6

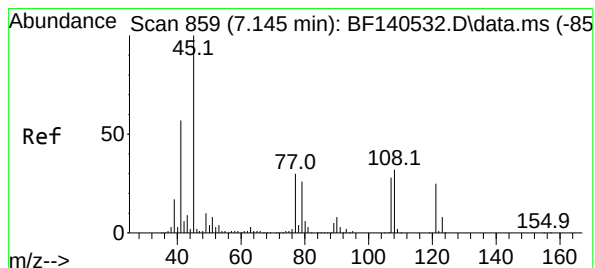
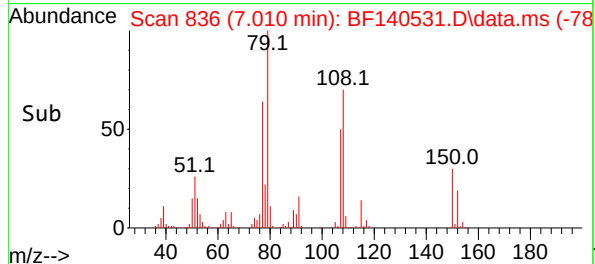
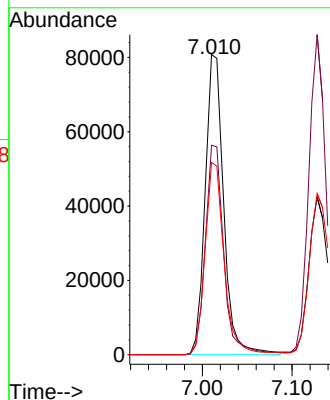
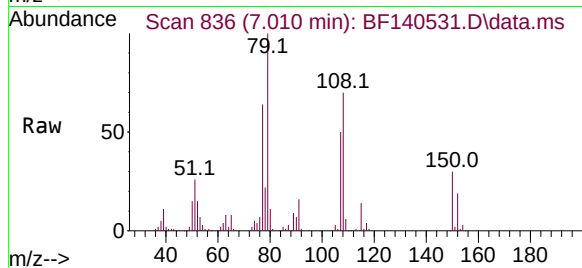
77 64.0 50.1 75.1

Manual Integrations

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Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/27/2024



#16

2,2'-oxybis(1-Chloropropane)

Concen: 20.040 ng

RT: 7.146 min Scan# 859

Delta R.T. 0.000 min

Lab File: BF140531.D

Acq: 21 Nov 2024 12:32

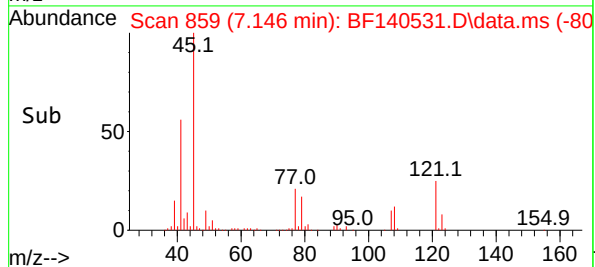
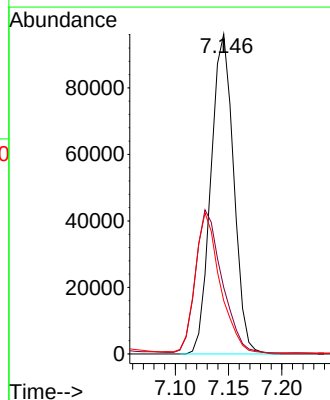
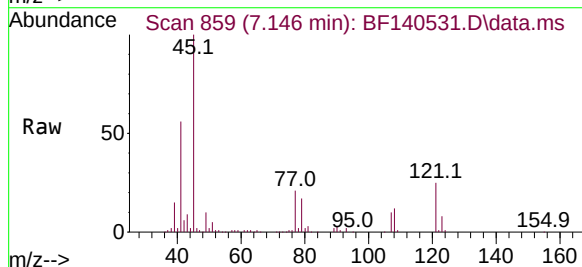
Tgt Ion: 45 Resp: 142742

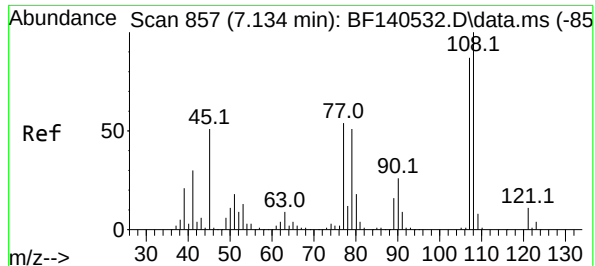
Ion Ratio Lower Upper

45 100

77 20.8 10.7 50.7

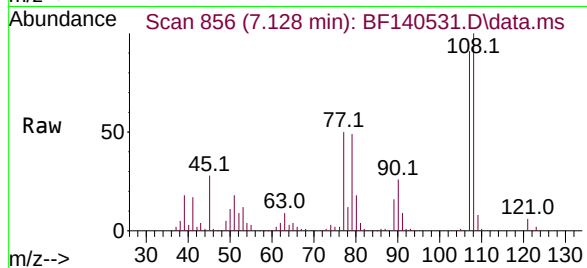
79 16.6 7.0 47.0





#17  
2-Methylphenol  
Concen: 20.473 ng  
RT: 7.128 min Scan# 810  
Delta R.T. -0.006 min  
Lab File: BF140531.D  
Acq: 21 Nov 2024 12:32

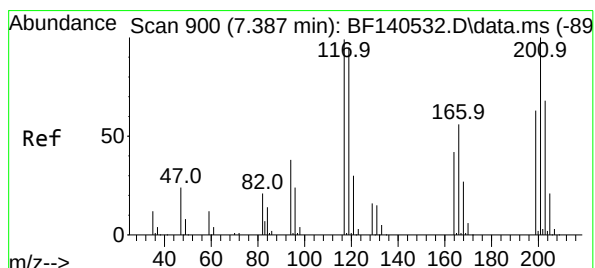
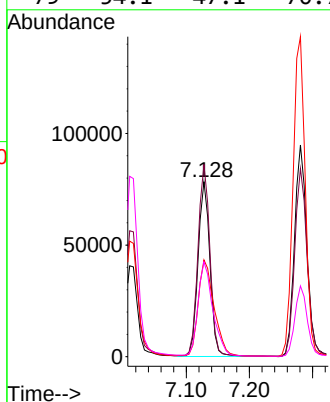
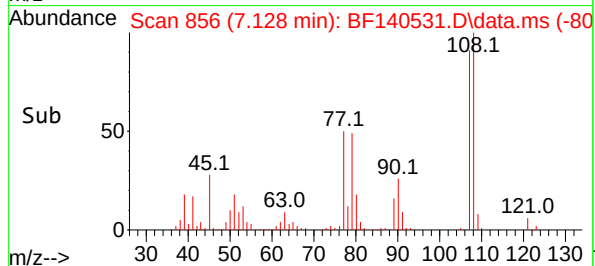
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC020



Tgt Ion:107 Resp: 102895  
Ion Ratio Lower Upper  
107 100  
108 109.8 91.7 137.5  
77 55.3 49.3 73.9  
79 54.1 47.1 70.7

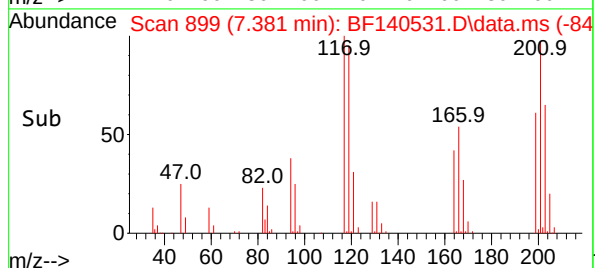
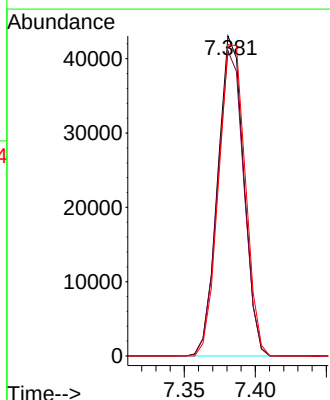
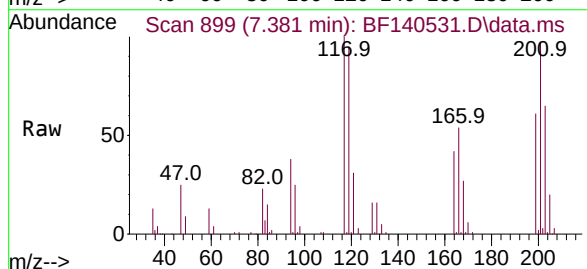
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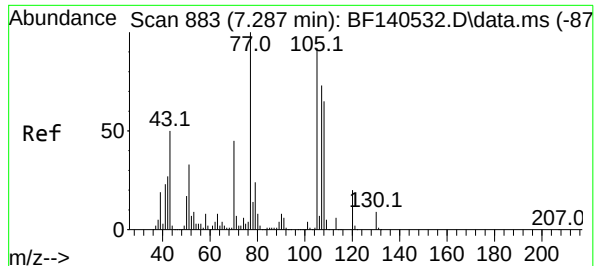
Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024



#18  
Hexachloroethane  
Concen: 20.475 ng  
RT: 7.381 min Scan# 899  
Delta R.T. -0.006 min  
Lab File: BF140531.D  
Acq: 21 Nov 2024 12:32

Tgt Ion:117 Resp: 54624  
Ion Ratio Lower Upper  
117 100  
119 95.4 77.1 115.7  
201 97.3 81.1 121.7





#19

n-Nitroso-di-n-propylamine

Concen: 19.996 ng

RT: 7.281 min Scan# 882

Delta R.T. -0.006 min

Lab File: BF140531.D

Acq: 21 Nov 2024 12:32

Instrument :

BNA\_F

ClientSampleId :

SSTDICC020

Tgt Ion: 70 Resp: 9117

Ion Ratio Lower Upper

70 100

42 56.8 47.6 71.4

101 9.8 7.6 11.4

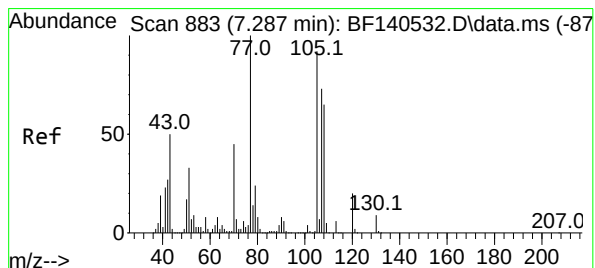
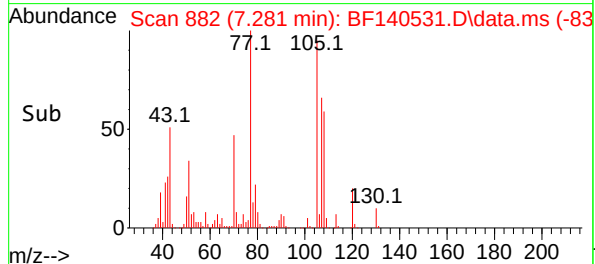
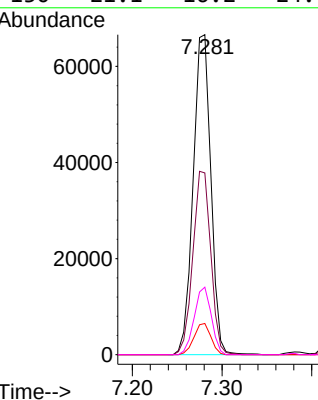
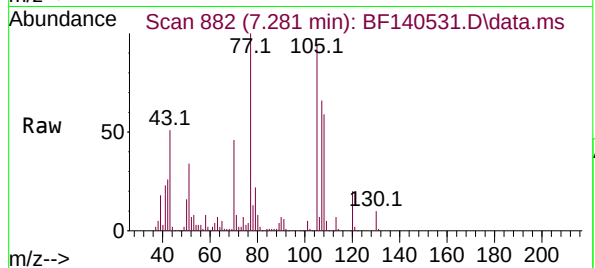
130 21.1 16.2 24.4

Manual Integrations

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Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/27/2024



#20

3+4-Methylphenols

Concen: 20.117 ng

RT: 7.281 min Scan# 882

Delta R.T. -0.006 min

Lab File: BF140531.D

Acq: 21 Nov 2024 12:32

Tgt Ion:107 Resp: 129954

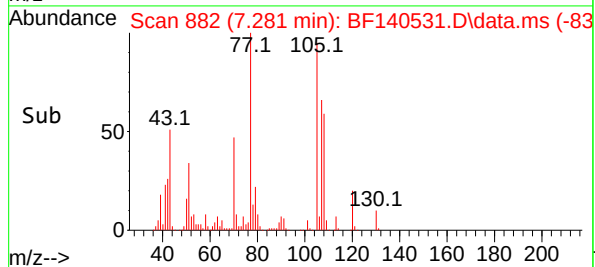
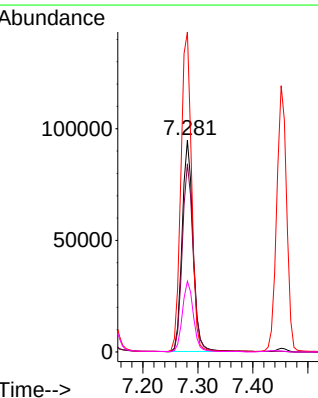
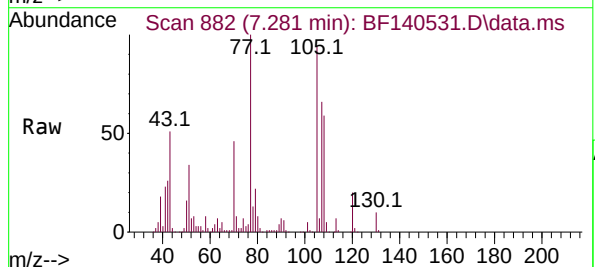
Ion Ratio Lower Upper

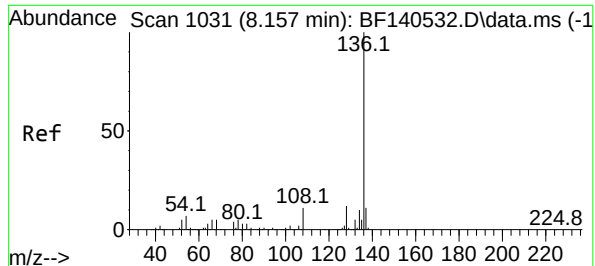
107 100

108 88.9 69.9 109.9

77 151.1 117.7 157.7

79 33.4 13.4 53.4





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.151 min Scan# 1030

Delta R.T. -0.006 min

Lab File: BF140531.D

Acq: 21 Nov 2024 12:32

Instrument :

BNA\_F

ClientSampleId :

SSTDICC020

Tgt Ion:136 Resp: 364692

Ion Ratio Lower Upper

136 100

137 10.9 8.6 13.0

54 7.2 5.8 8.8

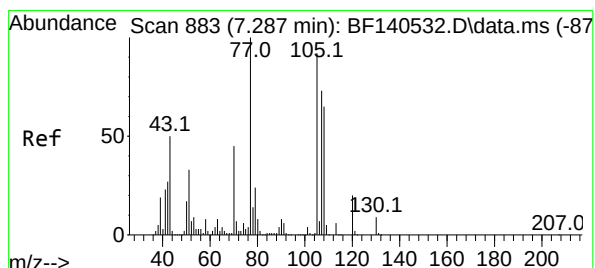
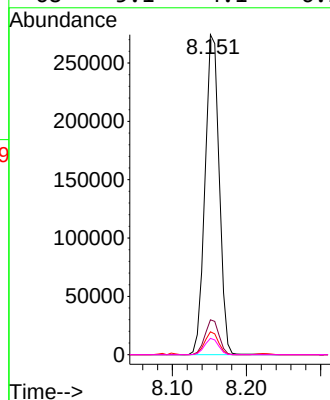
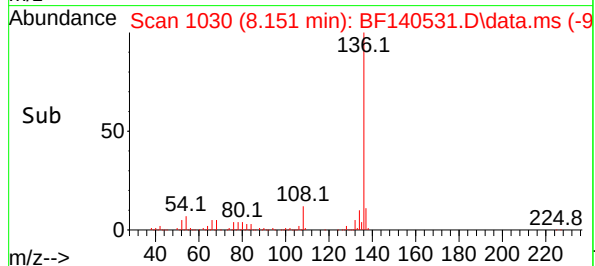
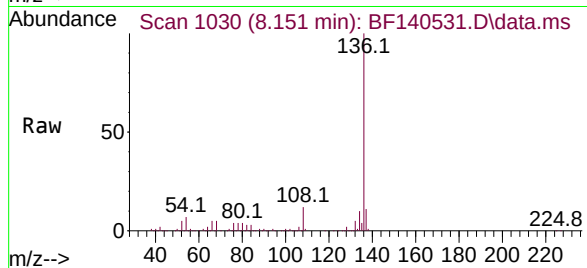
68 5.1 4.1 6.1

Manual Integrations

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Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/27/2024



#22

Acetophenone

Concen: 20.270 ng

RT: 7.281 min Scan# 882

Delta R.T. -0.006 min

Lab File: BF140531.D

Acq: 21 Nov 2024 12:32

Tgt Ion:105 Resp: 180222

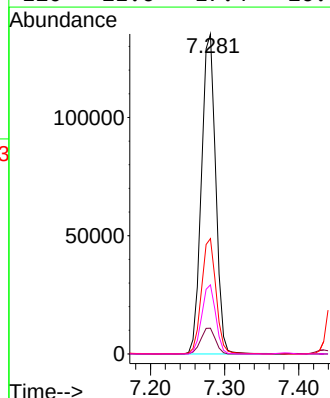
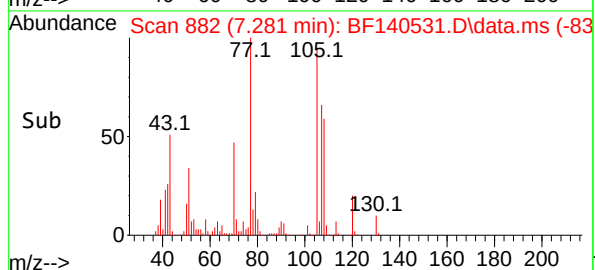
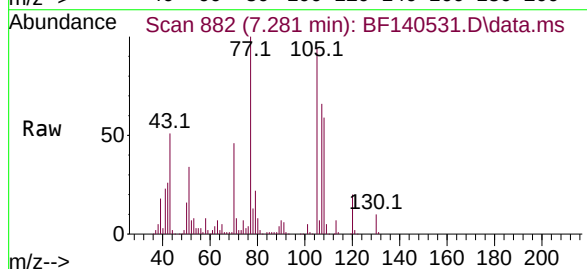
Ion Ratio Lower Upper

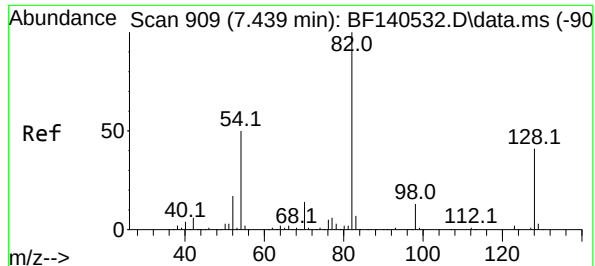
105 100

71 8.1 6.2 9.2

51 36.1 29.0 43.6

120 21.6 17.4 26.0





#23

Nitrobenzene-d5

Concen: 40.422 ng

RT: 7.434 min Scan# 909

Delta R.T. -0.006 min

Lab File: BF140531.D

Acq: 21 Nov 2024 12:32

Instrument :

BNA\_F

ClientSampleId :

SSTDICC020

Tgt Ion: 82 Resp: 28820

Ion Ratio Lower Upper

82 100

128 41.4 33.0 49.4

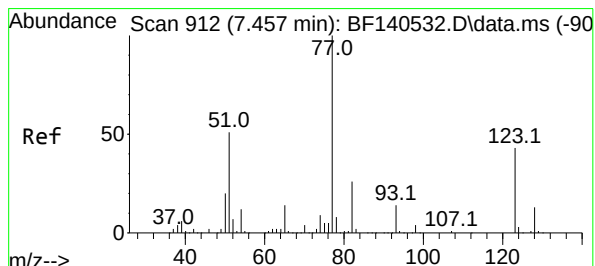
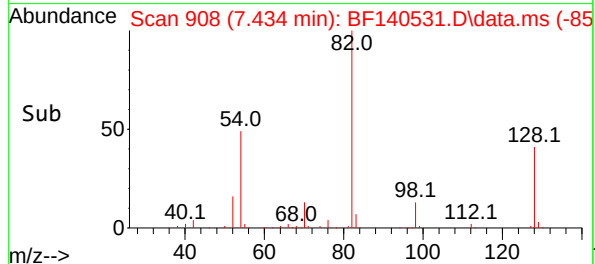
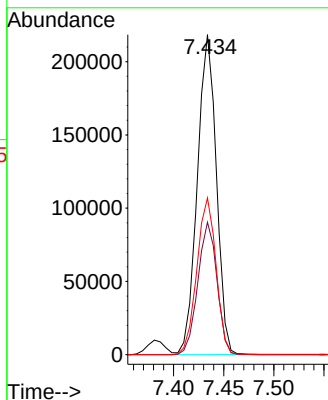
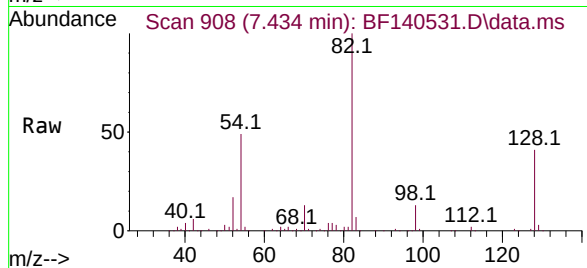
54 49.0 39.5 59.3

Manual Integrations

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Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/27/2024



#24

Nitrobenzene

Concen: 20.218 ng

RT: 7.451 min Scan# 911

Delta R.T. -0.006 min

Lab File: BF140531.D

Acq: 21 Nov 2024 12:32

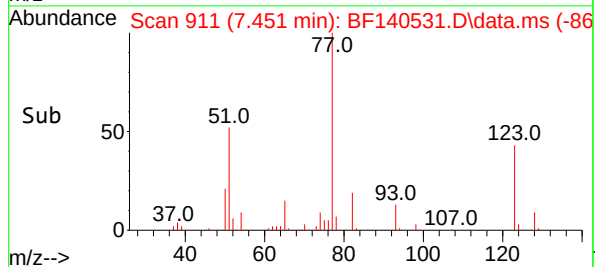
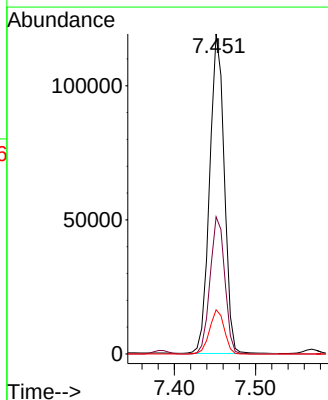
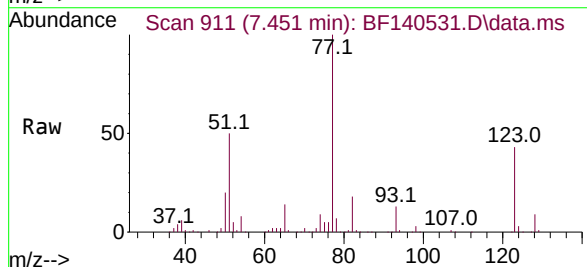
Tgt Ion: 77 Resp: 148986

Ion Ratio Lower Upper

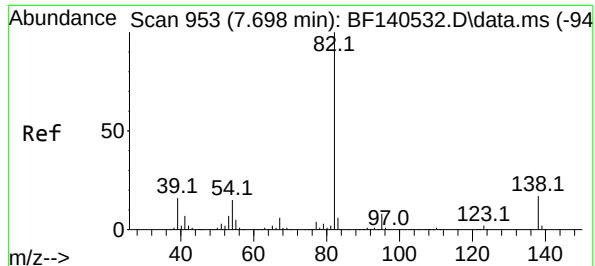
77 100

123 42.9 34.3 51.5

65 13.8 11.2 16.8

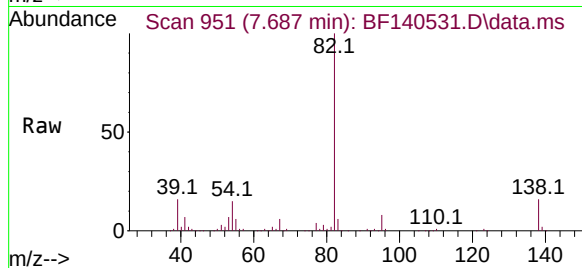






#25  
Isophorone  
Concen: 20.158 ng  
RT: 7.687 min Scan# 91  
Delta R.T. -0.012 min  
Lab File: BF140531.D  
Acq: 21 Nov 2024 12:32

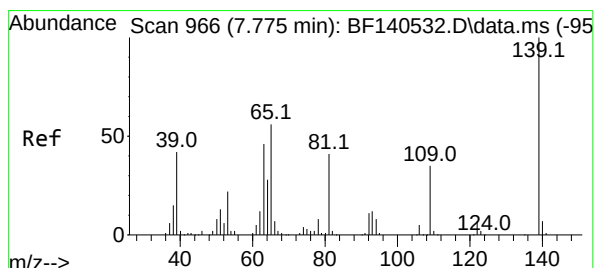
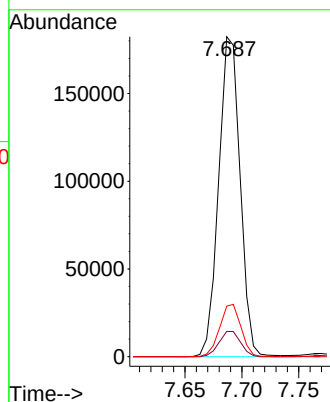
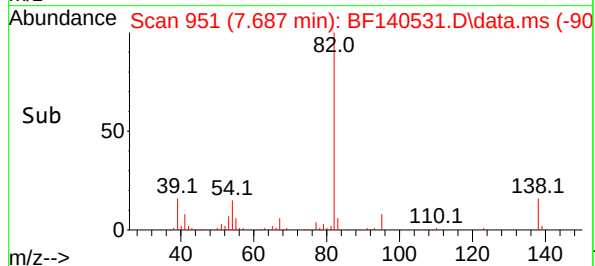
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC020



Tgt Ion: 82 Resp: 23971  
Ion Ratio Lower Upper  
82 100  
95 7.9 6.4 9.6  
138 15.8 13.8 20.6

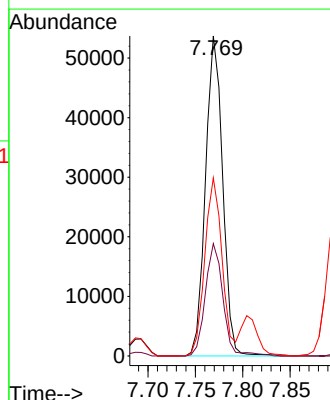
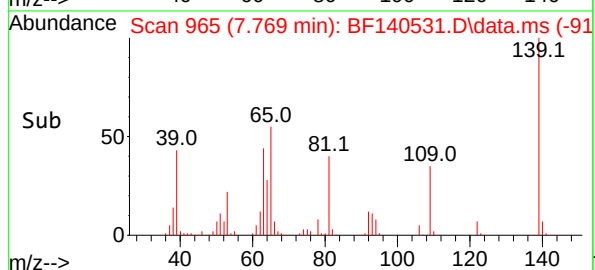
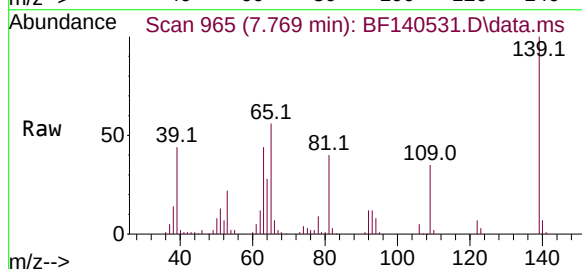
Manual Integrations  
APPROVED

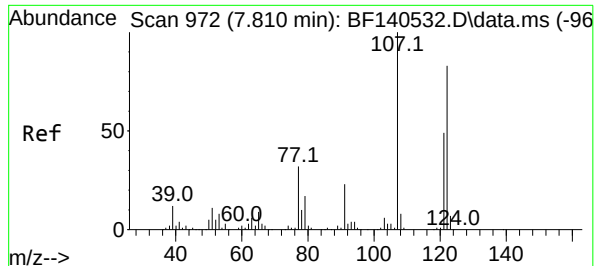
Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024



#26  
2-Nitrophenol  
Concen: 20.699 ng  
RT: 7.769 min Scan# 965  
Delta R.T. -0.006 min  
Lab File: BF140531.D  
Acq: 21 Nov 2024 12:32

Tgt Ion:139 Resp: 67593  
Ion Ratio Lower Upper  
139 100  
109 35.1 28.0 42.0  
65 55.6 44.6 67.0





#27

2,4-Dimethylphenol

Concen: 19.836 ng

RT: 7.804 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF140531.D

Acq: 21 Nov 2024 12:32

Instrument :

BNA\_F

ClientSampleId :

SSTDICC020

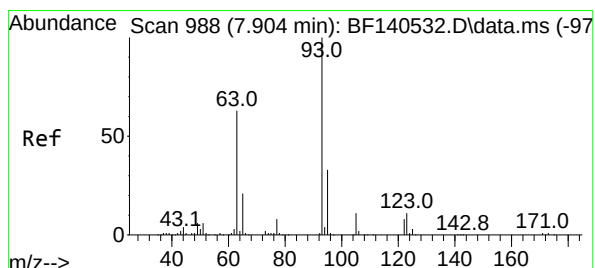
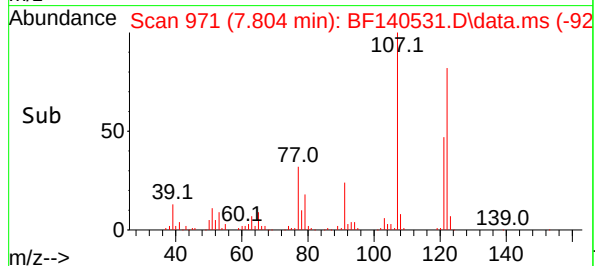
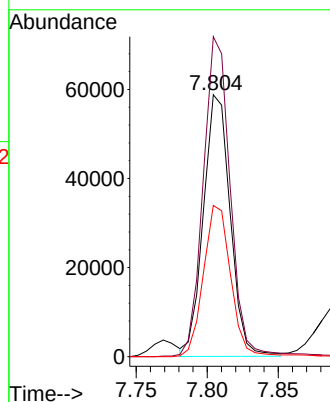
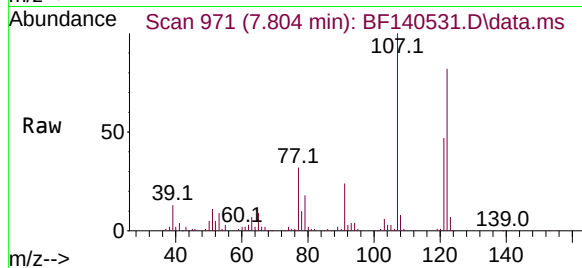
Tgt Ion:122 Resp: 77504

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 122 | 100   |       |       |
| 107 | 122.2 | 96.8  | 145.2 |
| 121 | 57.7  | 47.4  | 71.0  |

Manual Integrations

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Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024



#28

bis(2-Chloroethoxy)methane

Concen: 20.277 ng

RT: 7.898 min Scan# 987

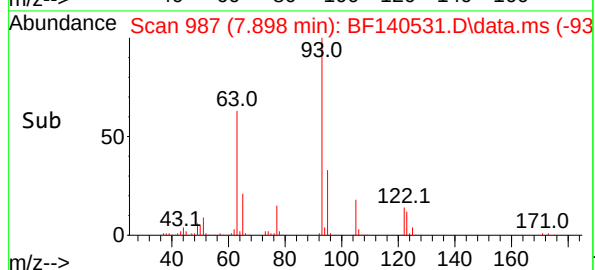
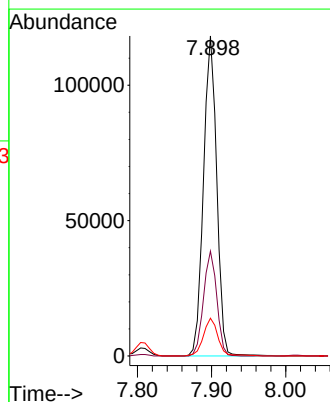
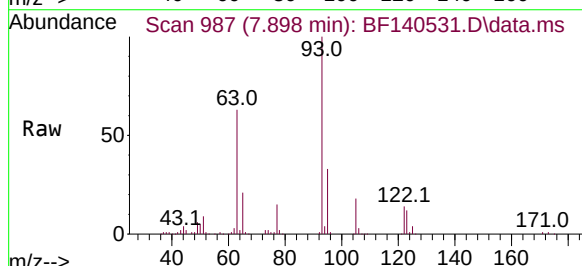
Delta R.T. -0.006 min

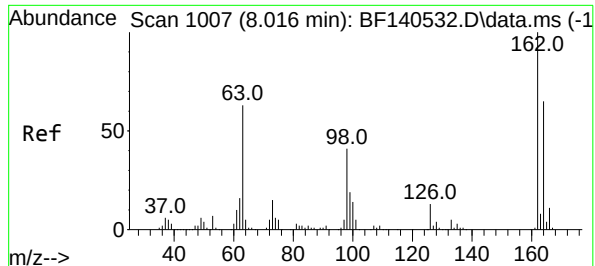
Lab File: BF140531.D

Acq: 21 Nov 2024 12:32

Tgt Ion: 93 Resp: 146899

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 93  | 100   |       |       |
| 95  | 32.8  | 26.1  | 39.1  |
| 123 | 11.8  | 9.1   | 13.7  |





#29  
2,4-Dichlorophenol  
Concen: 20.456 ng  
RT: 8.016 min Scan# 1007  
Delta R.T. 0.000 min  
Lab File: BF140531.D  
Acq: 21 Nov 2024 12:32

Instrument :

BNA\_F

ClientSampleId :

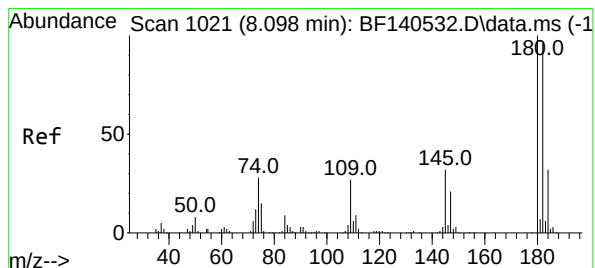
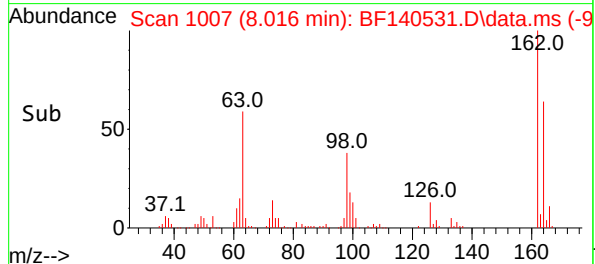
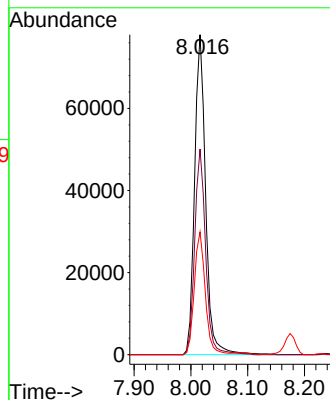
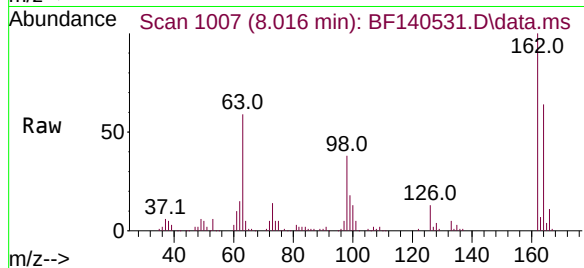
SSTDICC020

Tgt Ion:162 Resp: 105900  
Ion Ratio Lower Upper  
162 100  
164 64.3 44.8 84.8  
98 38.3 21.2 61.2

Manual Integrations

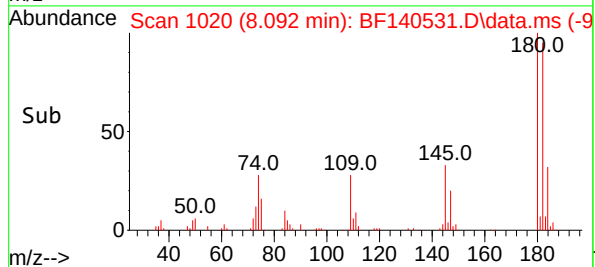
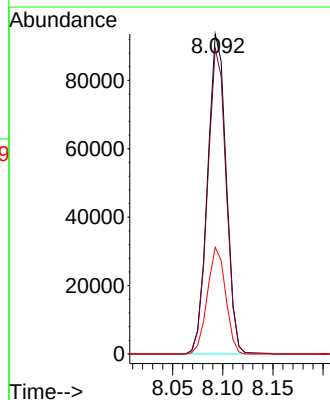
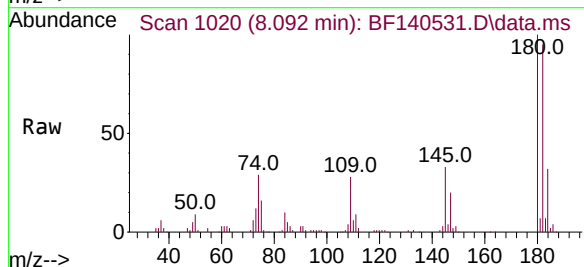
APPROVED

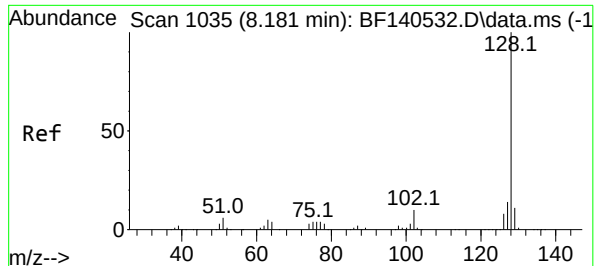
Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024



#30  
1,2,4-Trichlorobenzene  
Concen: 20.461 ng  
RT: 8.092 min Scan# 1020  
Delta R.T. -0.006 min  
Lab File: BF140531.D  
Acq: 21 Nov 2024 12:32

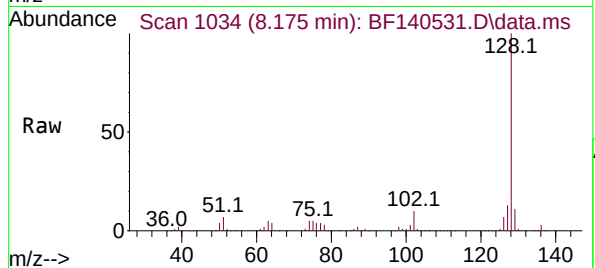
Tgt Ion:180 Resp: 120949  
Ion Ratio Lower Upper  
180 100  
182 95.4 76.4 114.6  
145 33.3 25.9 38.9





#31  
Naphthalene  
Concen: 20.614 ng  
RT: 8.175 min Scan# 1034  
Delta R.T. -0.006 min  
Lab File: BF140531.D  
Acq: 21 Nov 2024 12:32

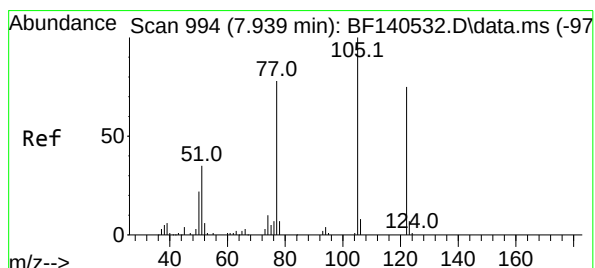
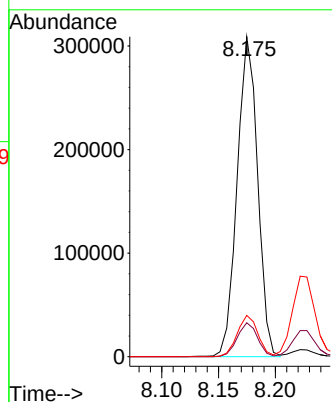
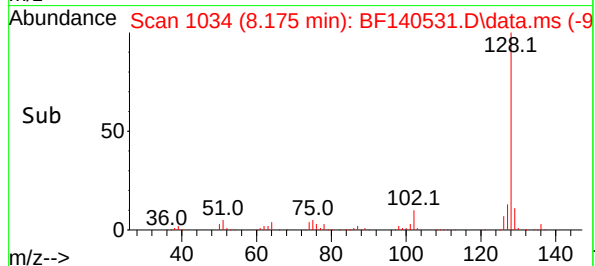
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC020



Tgt Ion:128 Resp: 387230  
Ion Ratio Lower Upper  
128 100  
129 10.6 8.6 13.0  
127 12.9 10.8 16.2

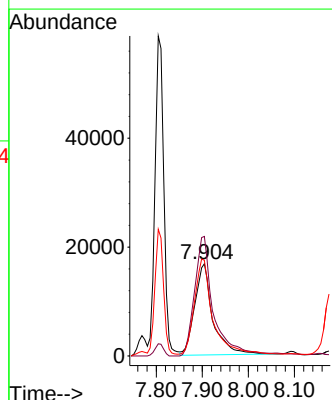
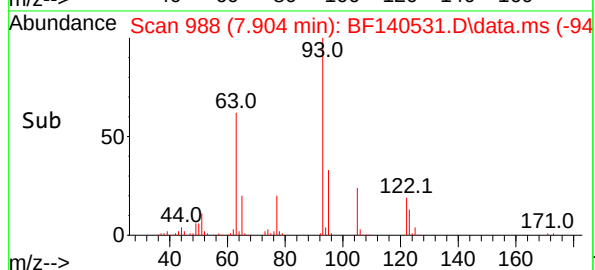
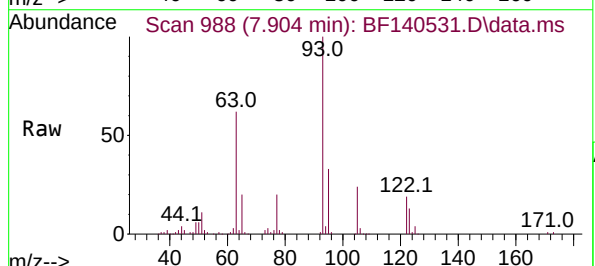
Manual Integrations  
APPROVED

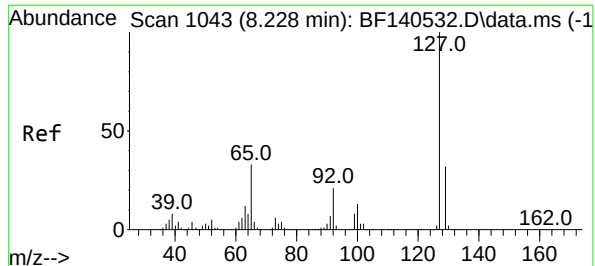
Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024



#32  
Benzoic acid  
Concen: 18.678 ng  
RT: 7.904 min Scan# 988  
Delta R.T. -0.035 min  
Lab File: BF140531.D  
Acq: 21 Nov 2024 12:32

Tgt Ion:122 Resp: 45935  
Ion Ratio Lower Upper  
122 100  
105 129.6 109.3 149.3  
77 103.8 82.3 122.3





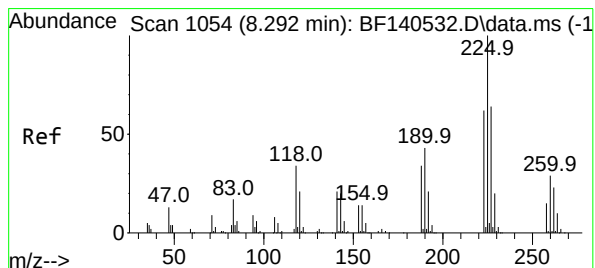
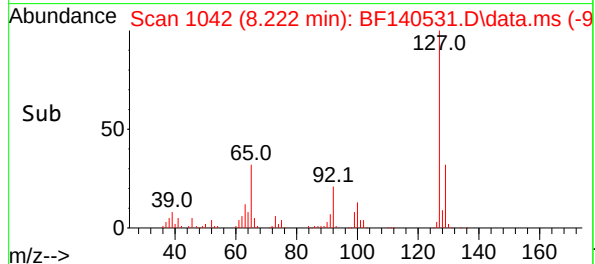
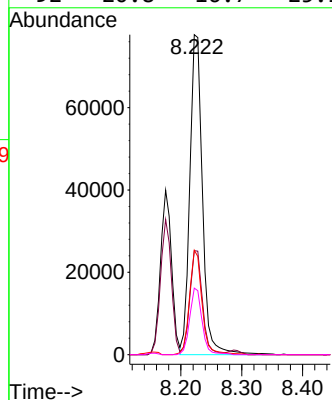
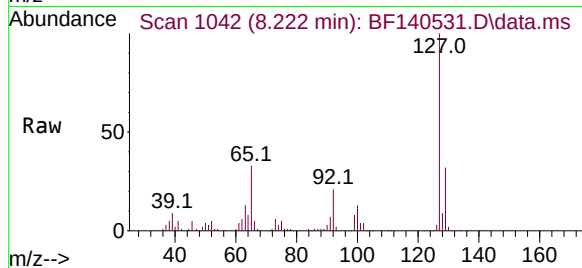
#33  
4-Chloroaniline  
Concen: 20.042 ng  
RT: 8.222 min Scan# 1042  
Delta R.T. -0.006 min  
Lab File: BF140531.D  
Acq: 21 Nov 2024 12:32

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC020

Tgt Ion:127 Resp: 112719  
Ion Ratio Lower Upper  
127 100  
129 32.5 26.0 39.0  
65 32.6 26.0 39.0  
92 20.8 16.7 25.1

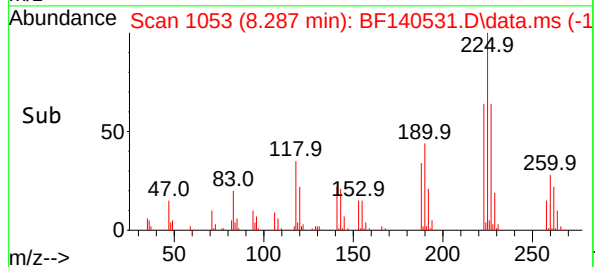
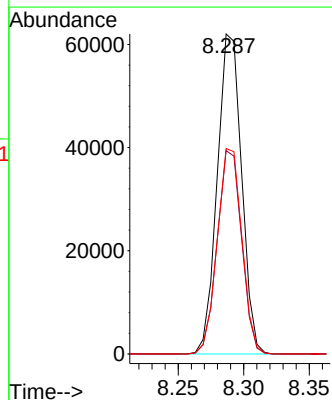
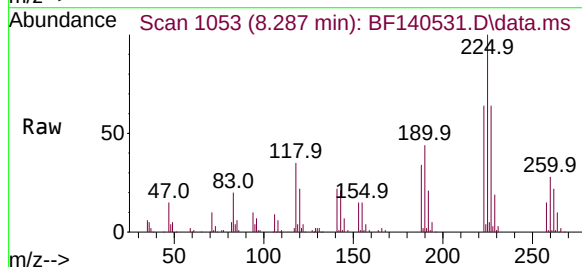
Manual Integrations  
APPROVED

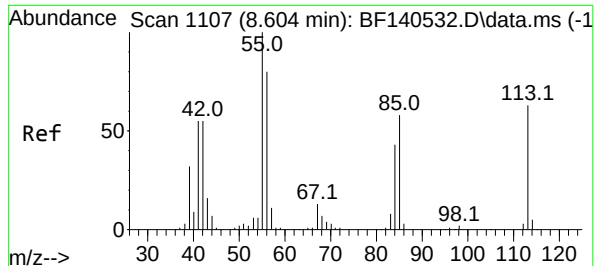
Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024



#34  
Hexachlorobutadiene  
Concen: 20.427 ng  
RT: 8.287 min Scan# 1053  
Delta R.T. -0.006 min  
Lab File: BF140531.D  
Acq: 21 Nov 2024 12:32

Tgt Ion:225 Resp: 79980  
Ion Ratio Lower Upper  
225 100  
223 63.5 49.8 74.8  
227 64.2 51.3 76.9





#35

Caprolactam

Concen: 20.609 ng

RT: 8.581 min Scan# 1103

Delta R.T. -0.023 min

Lab File: BF140531.D

Acq: 21 Nov 2024 12:32

Instrument :

BNA\_F

ClientSampleId :

SSTDICC020

Tgt Ion:113 Resp: 33020

Ion Ratio Lower Upper

113 100

55 148.5 137.7 177.7

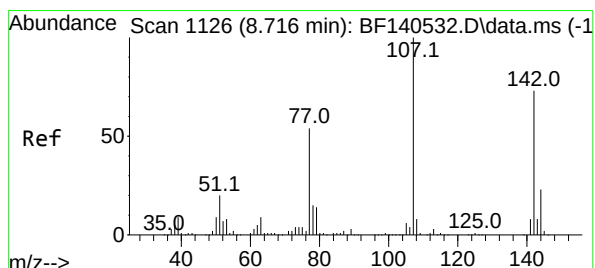
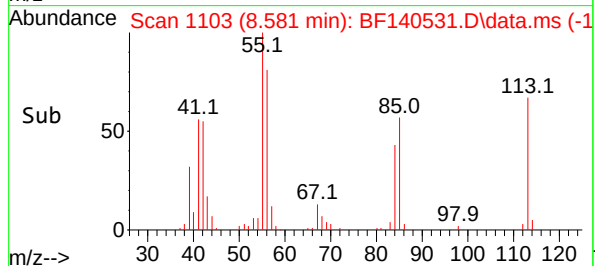
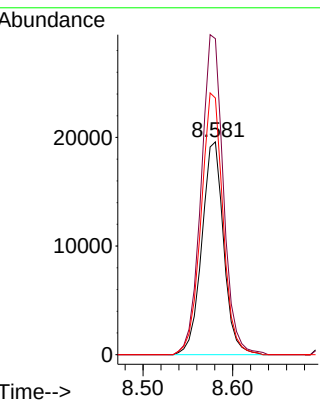
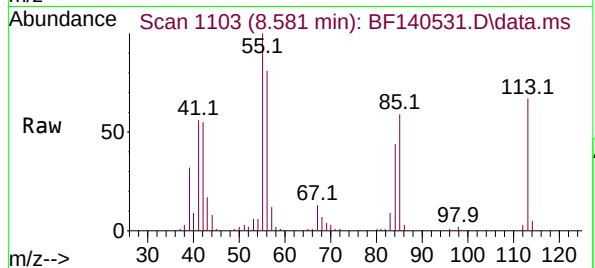
56 120.6 106.4 146.4

Manual Integrations

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Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/27/2024



#36

4-Chloro-3-methylphenol

Concen: 19.974 ng

RT: 8.710 min Scan# 1125

Delta R.T. -0.006 min

Lab File: BF140531.D

Acq: 21 Nov 2024 12:32

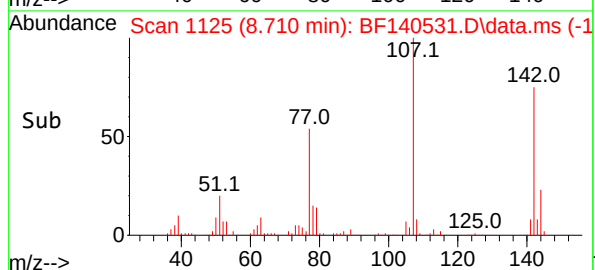
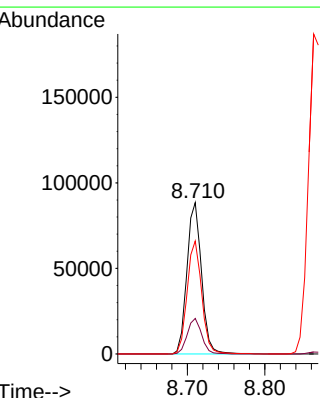
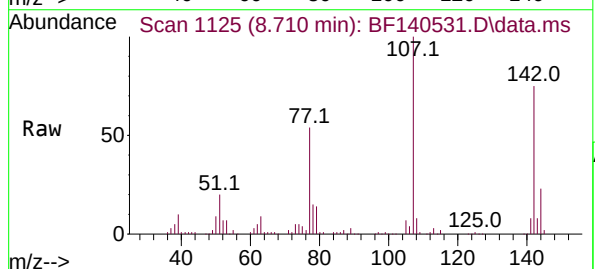
Tgt Ion:107 Resp: 115782

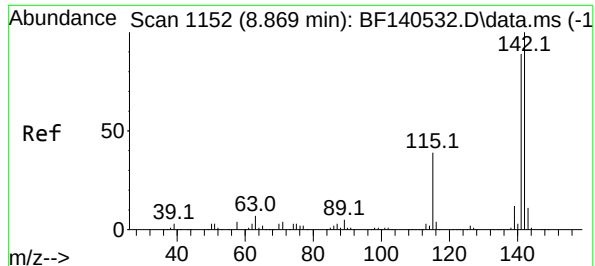
Ion Ratio Lower Upper

107 100

144 23.4 18.7 28.1

142 74.6 58.3 87.5





#37

2-Methylnaphthalene

Concen: 20.446 ng

RT: 8.863 min Scan# 1151

Delta R.T. -0.006 min

Lab File: BF140531.D

Acq: 21 Nov 2024 12:32

Instrument :

BNA\_F

ClientSampleId :

SSTDICC020

Tgt Ion:142 Resp: 243949

Ion Ratio Lower Upper

142 100

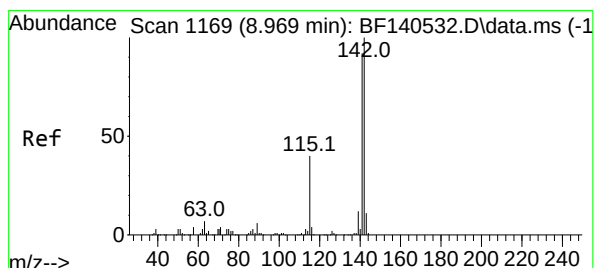
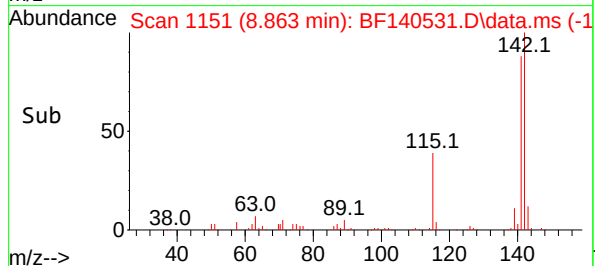
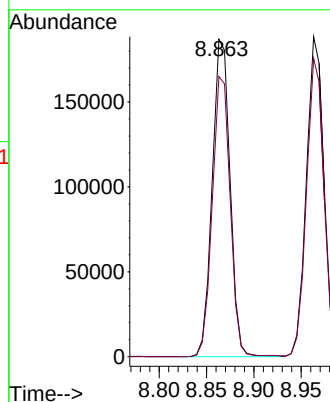
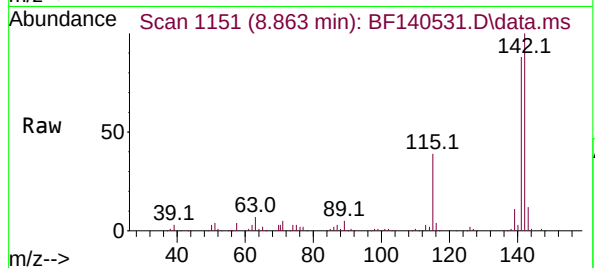
141 88.2 71.0 106.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/27/2024



#38

1-Methylnaphthalene

Concen: 20.564 ng

RT: 8.963 min Scan# 1168

Delta R.T. -0.006 min

Lab File: BF140531.D

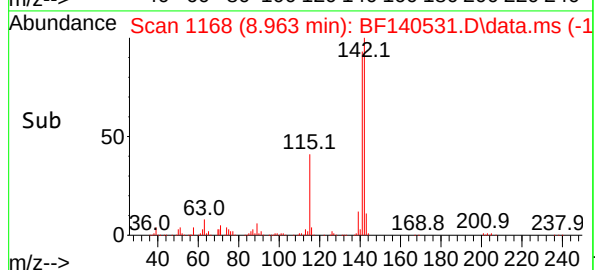
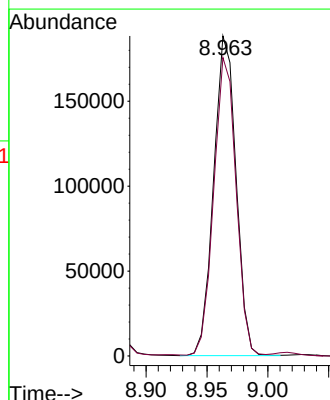
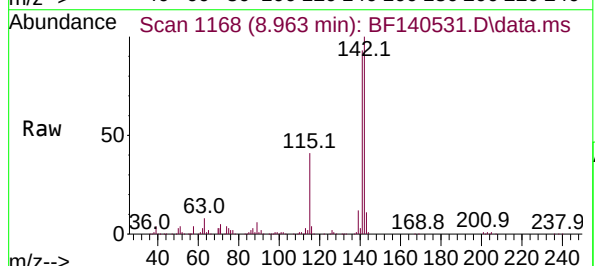
Acq: 21 Nov 2024 12:32

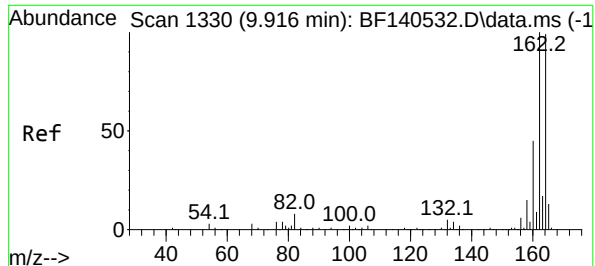
Tgt Ion:142 Resp: 240502

Ion Ratio Lower Upper

142 100

141 93.2 73.3 109.9





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.910 min Scan# 1180

Delta R.T. -0.006 min

Lab File: BF140531.D

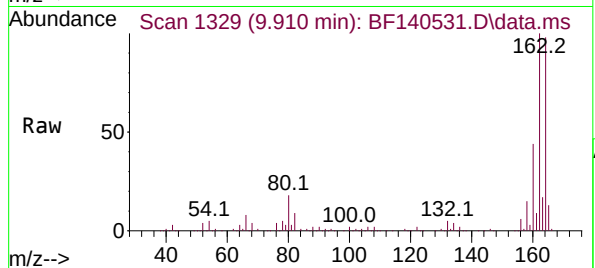
Acq: 21 Nov 2024 12:32

Instrument :

BNA\_F

ClientSampleId :

SSTDICC020



Tgt Ion:164 Resp: 19880

Ion Ratio Lower Upper

164 100

162 102.4 80.6 120.8

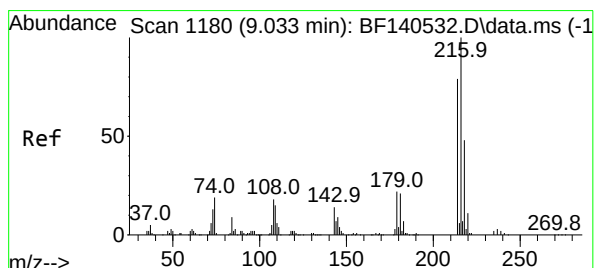
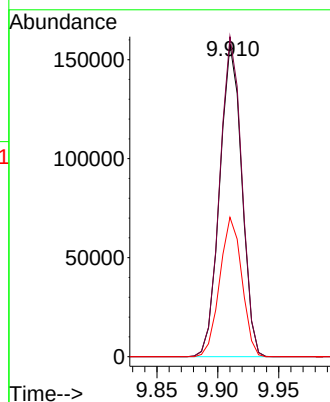
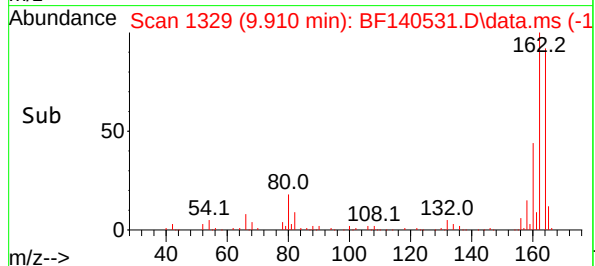
160 44.6 36.2 54.4

Manual Integrations

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Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/27/2024



#40

1,2,4,5-Tetrachlorobenzene

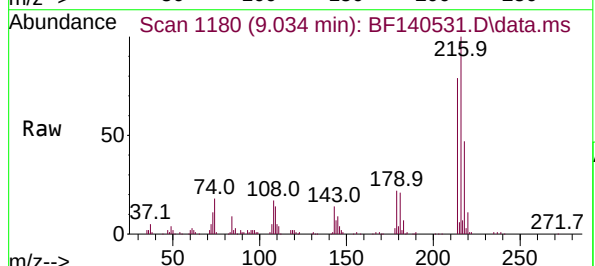
Concen: 20.695 ng

RT: 9.034 min Scan# 1180

Delta R.T. 0.000 min

Lab File: BF140531.D

Acq: 21 Nov 2024 12:32



Tgt Ion:216 Resp: 120444

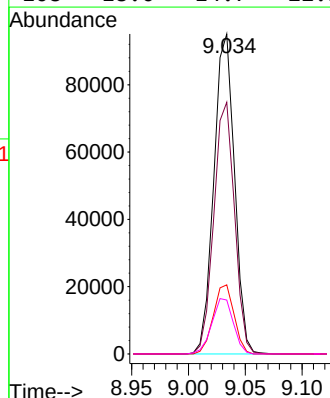
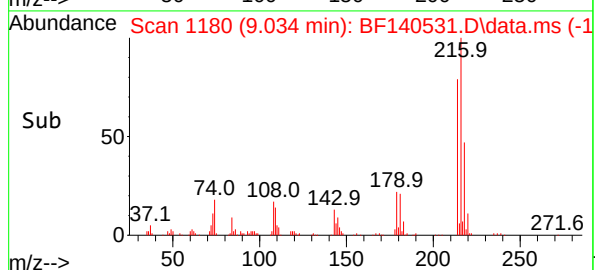
Ion Ratio Lower Upper

216 100

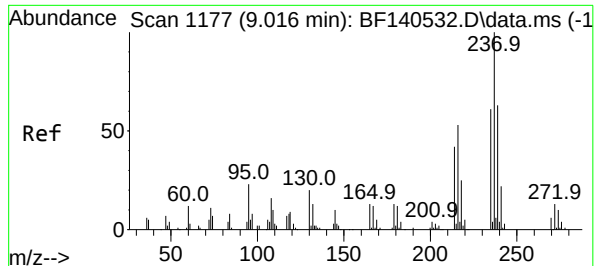
214 78.6 63.0 94.4

179 21.7 17.5 26.3

108 18.0 14.7 22.1

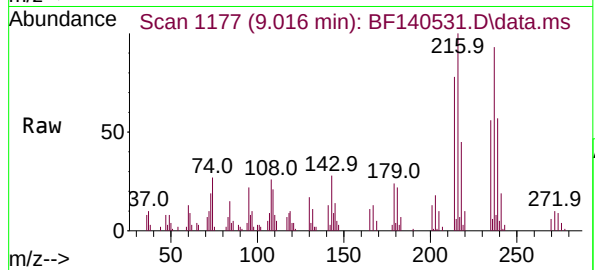






#41  
Hexachlorocyclopentadiene  
Concen: 19.734 ng  
RT: 9.016 min Scan# 1177  
Delta R.T. -0.000 min  
Lab File: BF140531.D  
Acq: 21 Nov 2024 12:32

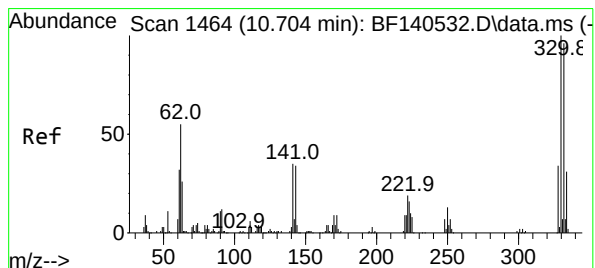
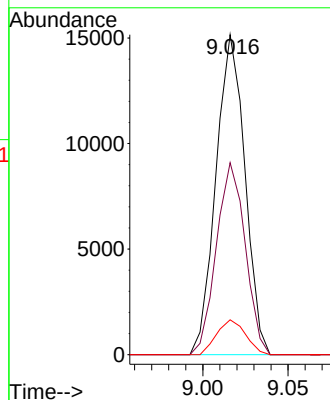
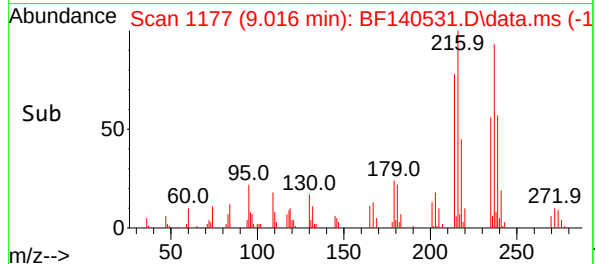
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC020



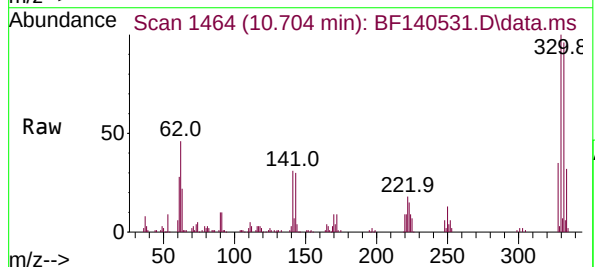
Tgt Ion: 237 Resp: 17909  
Ion Ratio Lower Upper  
237 100  
235 60.0 41.1 81.1  
272 10.9 0.0 32.6

Manual Integrations  
APPROVED

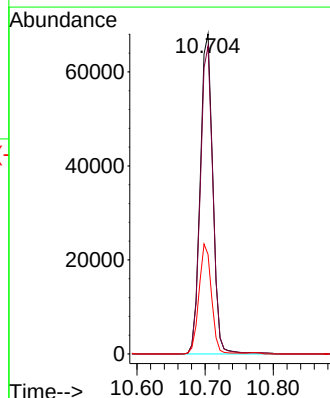
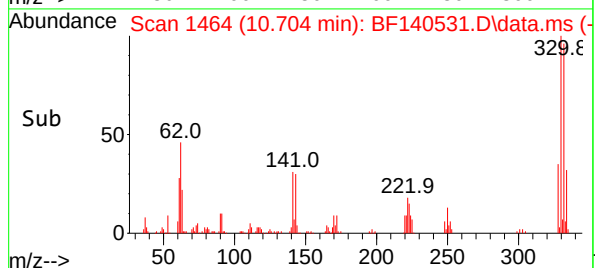
Reviewed By : Yogesh Patel 11/22/2024  
Supervised By : mohammad ahmed 11/27/2024

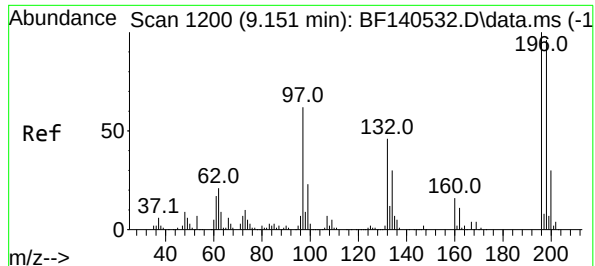


#42  
2,4,6-Tribromophenol  
Concen: 41.118 ng  
RT: 10.704 min Scan# 1464  
Delta R.T. 0.000 min  
Lab File: BF140531.D  
Acq: 21 Nov 2024 12:32



Tgt Ion: 330 Resp: 87426  
Ion Ratio Lower Upper  
330 100  
332 96.4 76.9 115.3  
141 34.2 26.7 40.1





#43

2,4,6-Trichlorophenol

Concen: 20.410 ng

RT: 9.145 min Scan# 1199

Delta R.T. -0.006 min

Lab File: BF140531.D

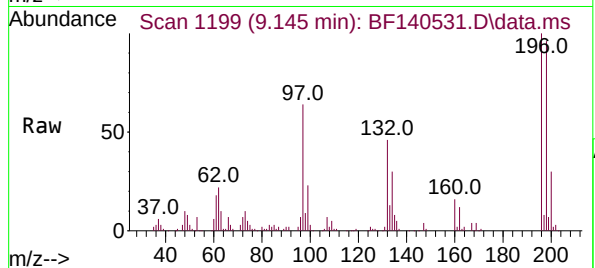
Acq: 21 Nov 2024 12:32

Instrument :

BNA\_F

ClientSampleId :

SSTDICC020



Tgt Ion:196 Resp: 74538

Ion Ratio Lower Upper

196 100

198 95.9 76.8 115.2

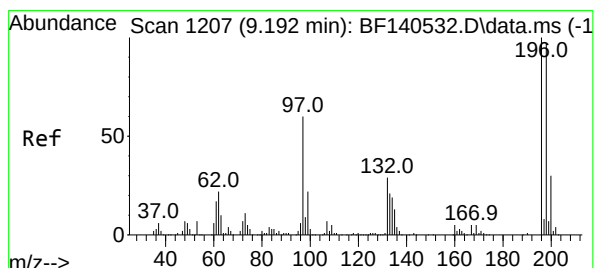
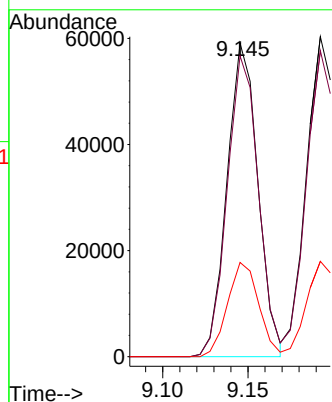
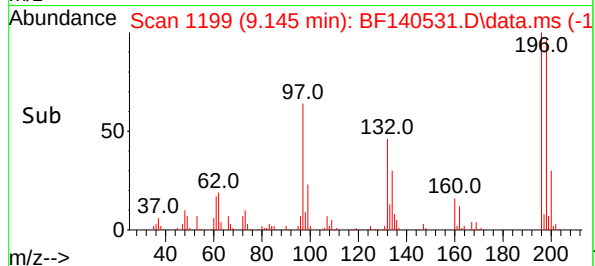
200 30.0 24.3 36.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/27/2024



#44

2,4,5-Trichlorophenol

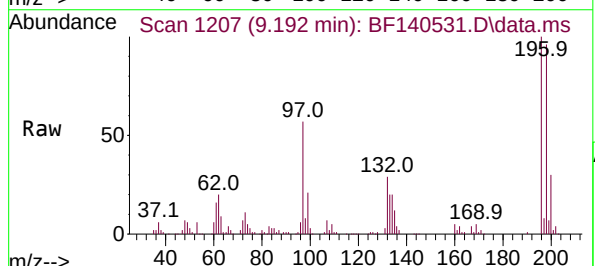
Concen: 20.585 ng

RT: 9.192 min Scan# 1207

Delta R.T. 0.000 min

Lab File: BF140531.D

Acq: 21 Nov 2024 12:32



Tgt Ion:196 Resp: 81588

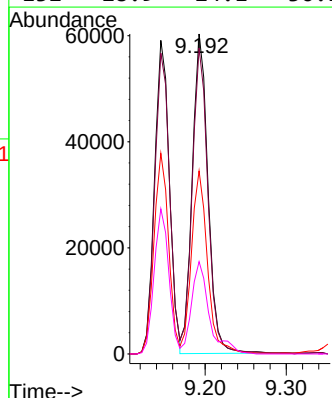
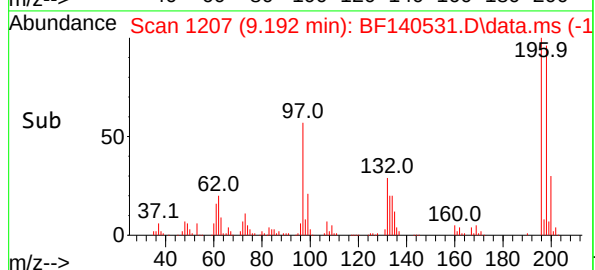
Ion Ratio Lower Upper

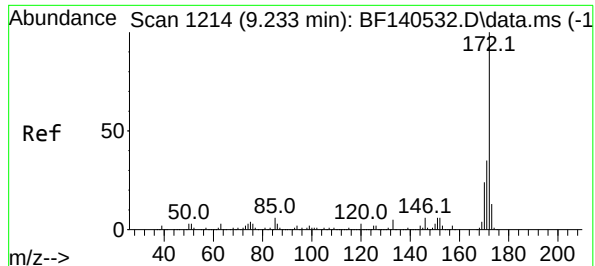
196 100

198 95.6 77.2 115.8

97 57.2 47.1 70.7

132 28.9 24.1 36.1





#45

2-Fluorobiphenyl

Concen: 42.389 ng

RT: 9.228 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF140531.D

Acq: 21 Nov 2024 12:32

Instrument :

BNA\_F

ClientSampleId :

SSTDICC020

Tgt Ion:172 Resp: 56560

Ion Ratio Lower Upper

172 100

171 35.1 28.4 42.6

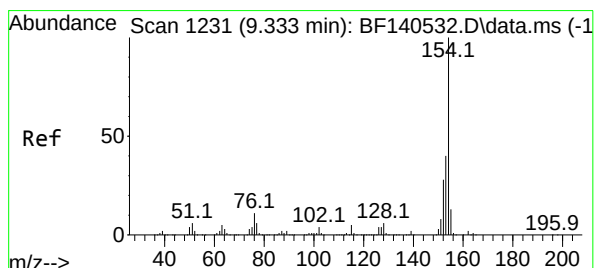
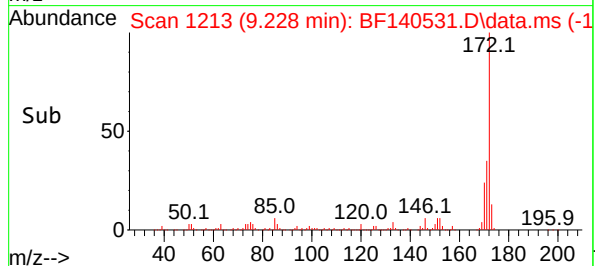
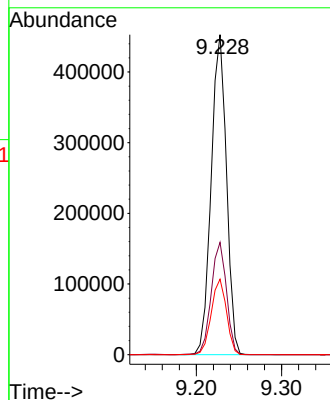
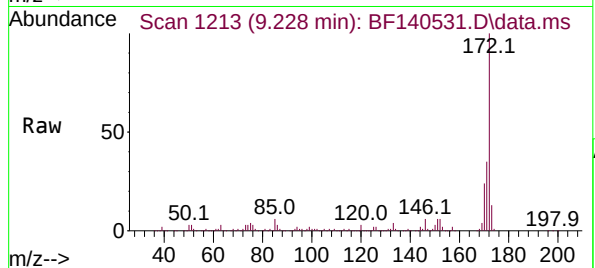
170 23.6 19.0 28.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/27/2024



#46

1,1'-Biphenyl

Concen: 20.936 ng

RT: 9.328 min Scan# 1230

Delta R.T. -0.006 min

Lab File: BF140531.D

Acq: 21 Nov 2024 12:32

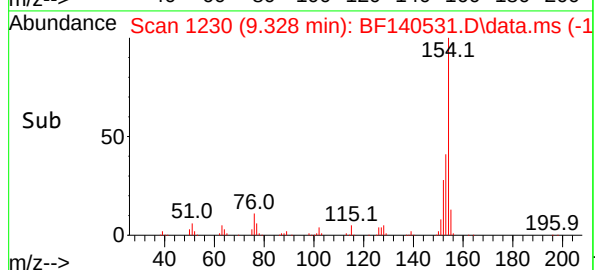
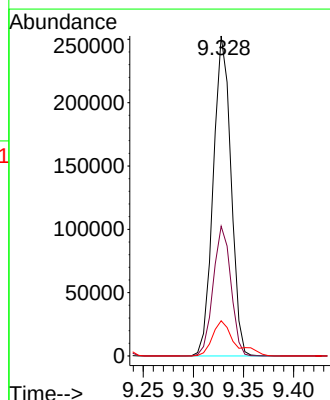
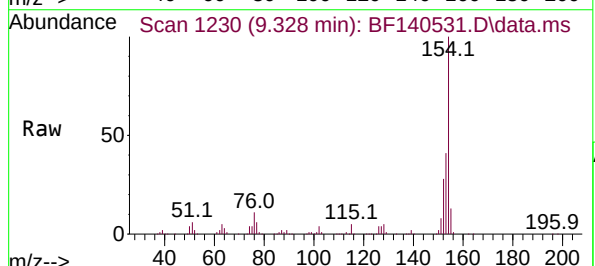
Tgt Ion:154 Resp: 310749

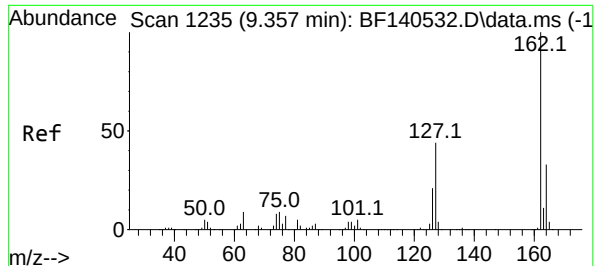
Ion Ratio Lower Upper

154 100

153 40.6 20.4 60.4

76 11.0 0.0 31.2





#47

2-Chloronaphthalene

Concen: 20.545 ng

RT: 9.357 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF140531.D

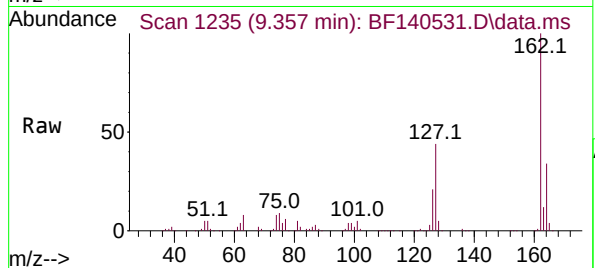
Acq: 21 Nov 2024 12:32

Instrument :

BNA\_F

ClientSampleId :

SSTDICC020



Tgt Ion:162 Resp: 23106

Ion Ratio Lower Upper

162 100

127 44.0 35.7 53.5

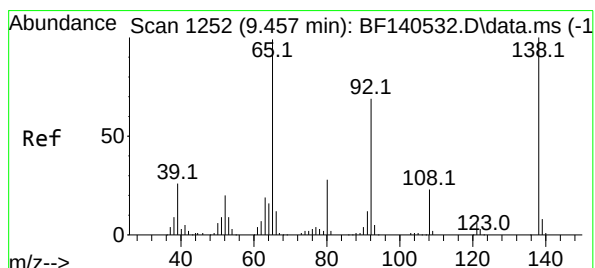
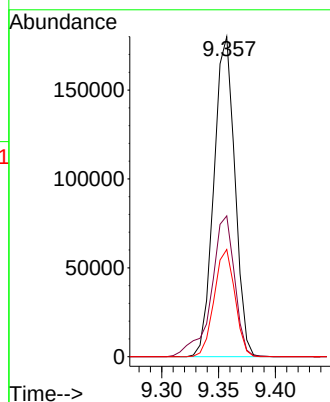
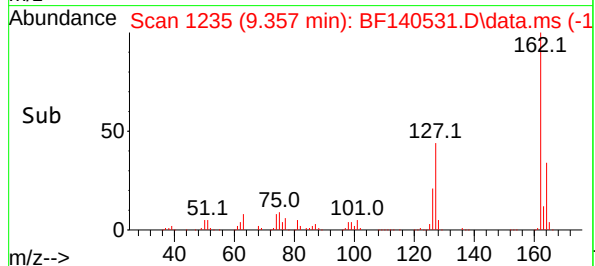
164 33.5 26.1 39.1

Manual Integrations

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Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/27/2024



#48

2-Nitroaniline

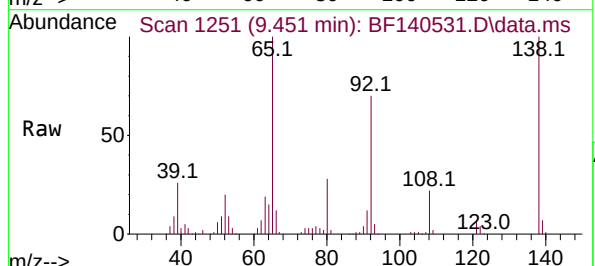
Concen: 20.871 ng

RT: 9.451 min Scan# 1251

Delta R.T. -0.006 min

Lab File: BF140531.D

Acq: 21 Nov 2024 12:32



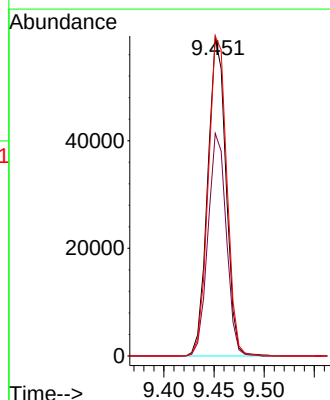
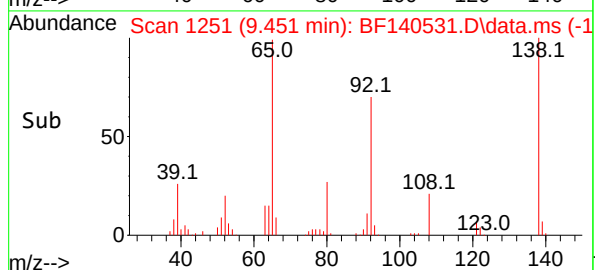
Tgt Ion: 65 Resp: 75343

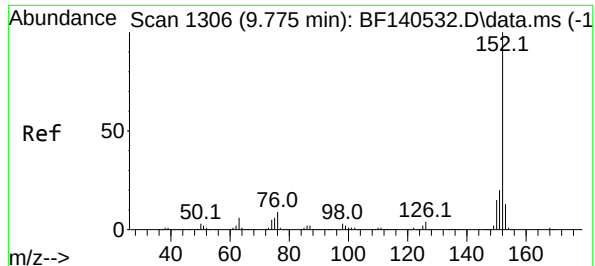
Ion Ratio Lower Upper

65 100

92 69.8 56.1 84.1

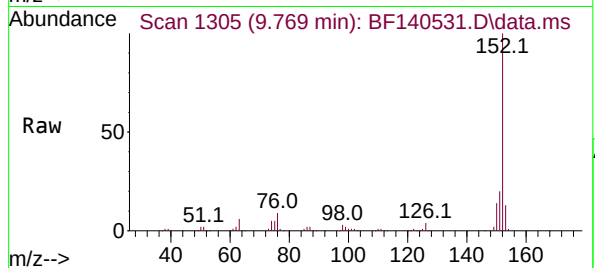
138 100.4 81.0 121.6





#49  
Acenaphthylene  
Concen: 21.155 ng  
RT: 9.769 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF140531.D  
Acq: 21 Nov 2024 12:32

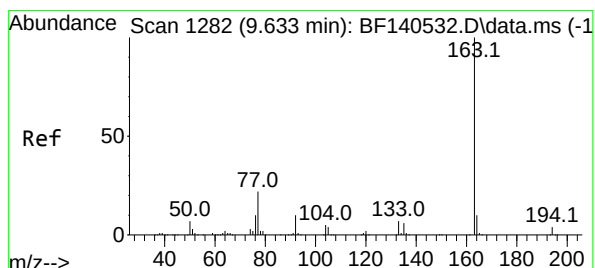
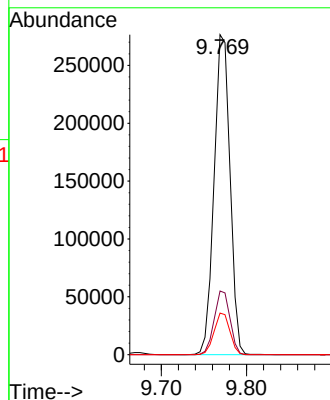
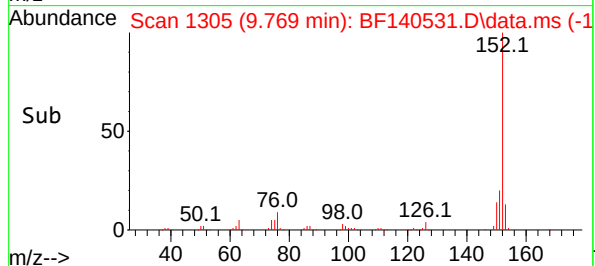
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC020



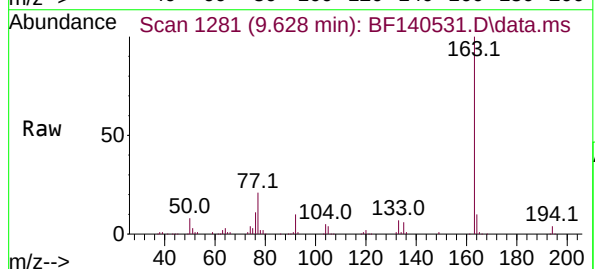
Tgt Ion:152 Resp: 35948  
Ion Ratio Lower Upper  
152 100  
151 19.9 15.9 23.9  
153 13.0 10.6 16.0

Manual Integrations  
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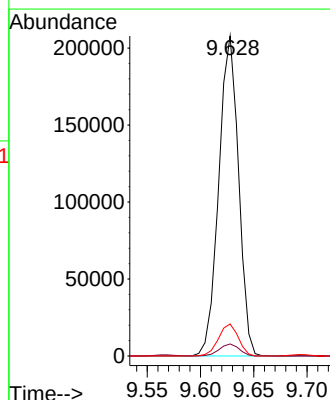
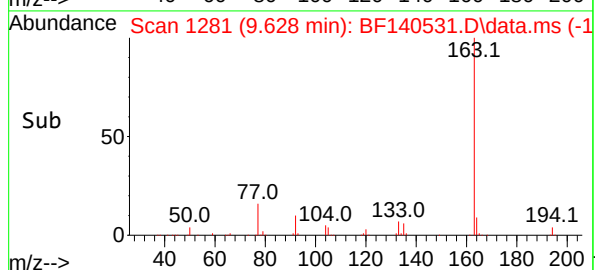
Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024

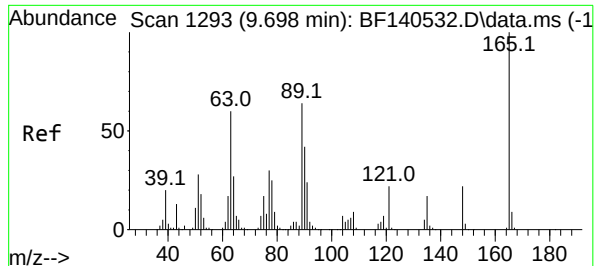


#50  
Dimethylphthalate  
Concen: 20.440 ng  
RT: 9.628 min Scan# 1281  
Delta R.T. -0.006 min  
Lab File: BF140531.D  
Acq: 21 Nov 2024 12:32



Tgt Ion:163 Resp: 267629  
Ion Ratio Lower Upper  
163 100  
194 3.8 3.1 4.7  
164 10.0 8.2 12.2





#51  
2,6-Dinitrotoluene  
Concen: 20.568 ng  
RT: 9.692 min Scan# 1292  
Delta R.T. -0.006 min  
Lab File: BF140531.D  
Acq: 21 Nov 2024 12:32

Instrument :

BNA\_F

ClientSampleId :

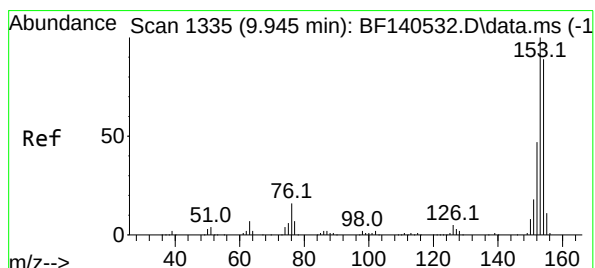
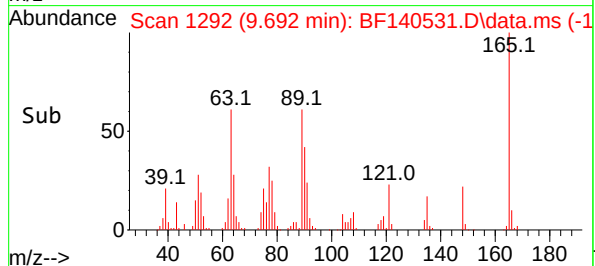
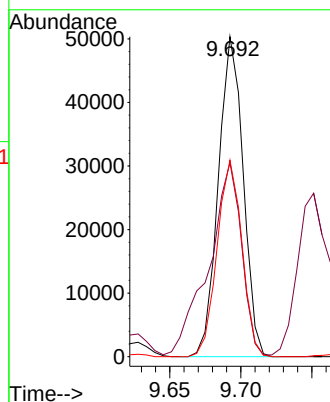
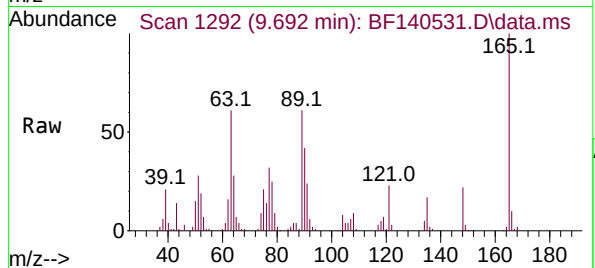
SSTDICC020

Tgt Ion:165 Resp: 61070  
Ion Ratio Lower Upper  
165 100  
63 60.7 49.9 74.9  
89 61.4 50.9 76.3

Manual Integrations

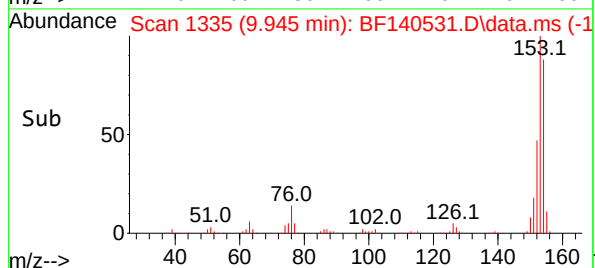
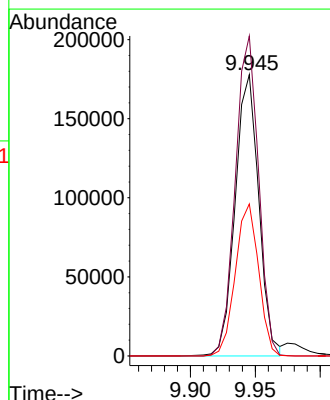
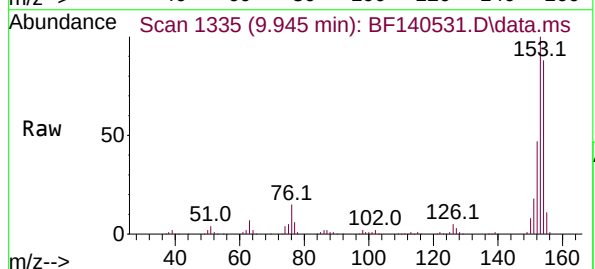
APPROVED

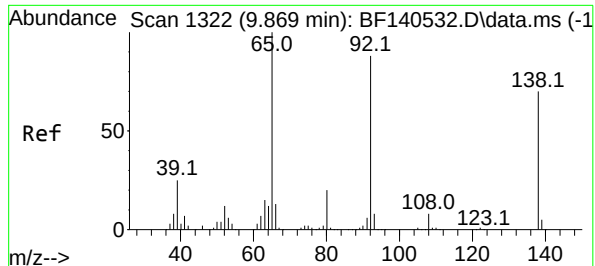
Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024



#52  
Acenaphthene  
Concen: 20.497 ng m  
RT: 9.945 min Scan# 1335  
Delta R.T. 0.000 min  
Lab File: BF140531.D  
Acq: 21 Nov 2024 12:32

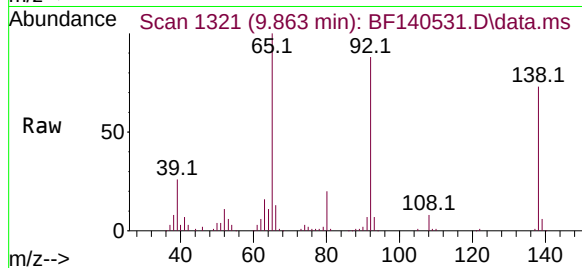
Tgt Ion:154 Resp: 225540  
Ion Ratio Lower Upper  
154 100  
153 113.8 89.7 134.5  
152 54.0 42.5 63.7





#53  
3-Nitroaniline  
Concen: 21.128 ng  
RT: 9.863 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF140531.D  
Acq: 21 Nov 2024 12:32

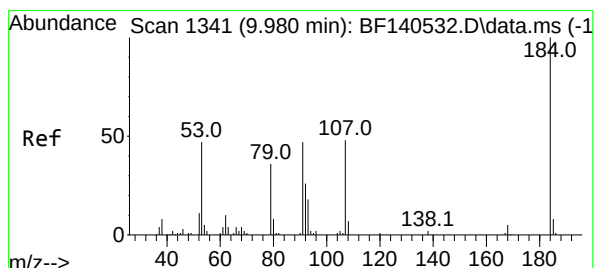
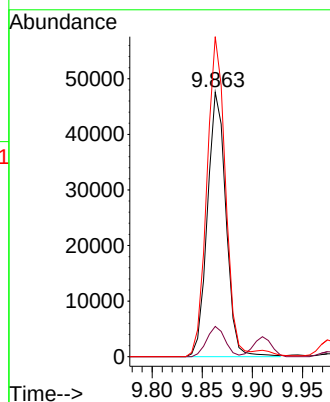
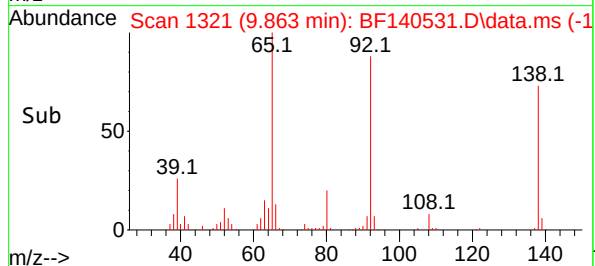
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC020



Tgt Ion:138 Resp: 61362  
Ion Ratio Lower Upper  
138 100  
108 11.4 9.2 13.8  
92 121.0 100.6 150.8

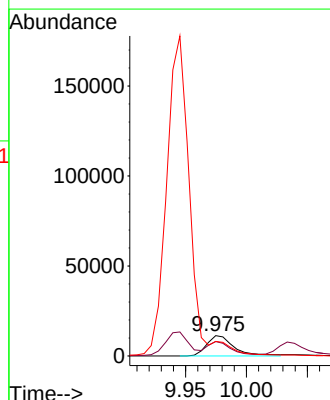
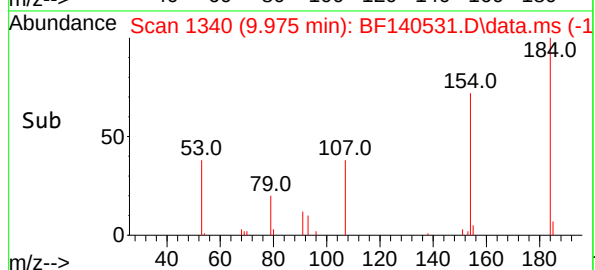
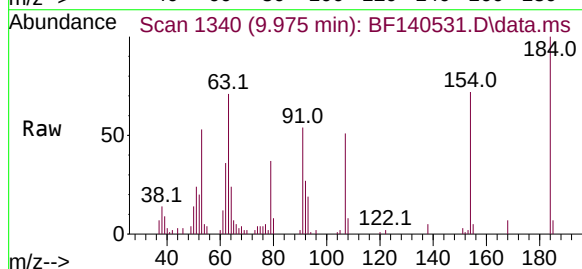
Manual Integrations  
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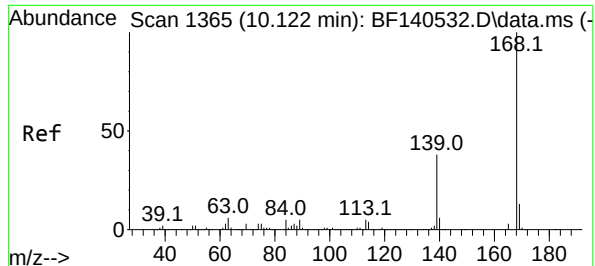
Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024



#54  
2,4-Dinitrophenol  
Concen: 18.164 ng  
RT: 9.975 min Scan# 1340  
Delta R.T. -0.005 min  
Lab File: BF140531.D  
Acq: 21 Nov 2024 12:32

Tgt Ion:184 Resp: 17628  
Ion Ratio Lower Upper  
184 100  
63 71.0 54.1 81.1  
154 71.5 57.4 86.0





#55

Dibenzofuran

Concen: 20.992 ng

RT: 10.116 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF140531.D

Acq: 21 Nov 2024 12:32

Instrument :

BNA\_F

ClientSampleId :

SSTDICC020

Tgt Ion:168 Resp: 345729

Ion Ratio Lower Upper

168 100

139 39.1 31.3 46.9

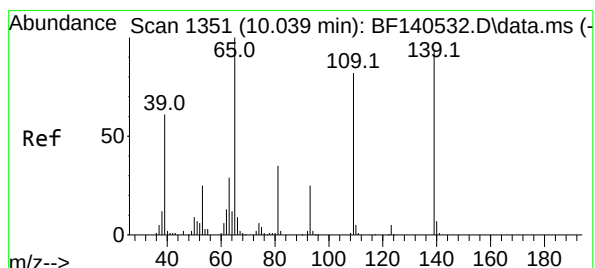
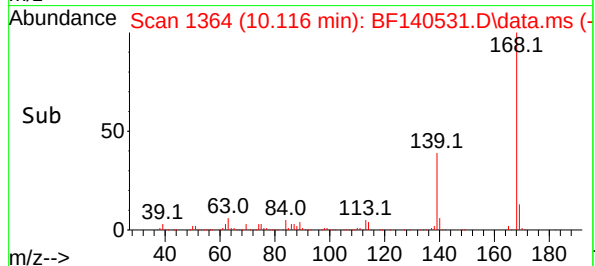
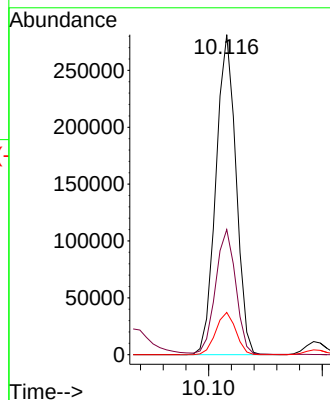
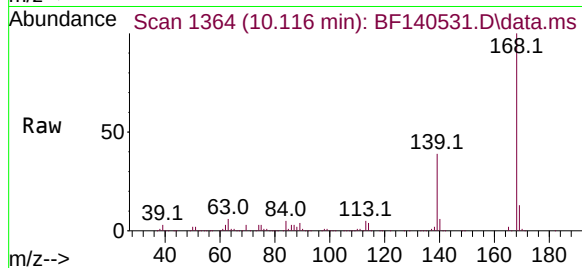
169 13.2 10.5 15.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/27/2024



#56

4-Nitrophenol

Concen: 19.582 ng

RT: 10.034 min Scan# 1350

Delta R.T. -0.005 min

Lab File: BF140531.D

Acq: 21 Nov 2024 12:32

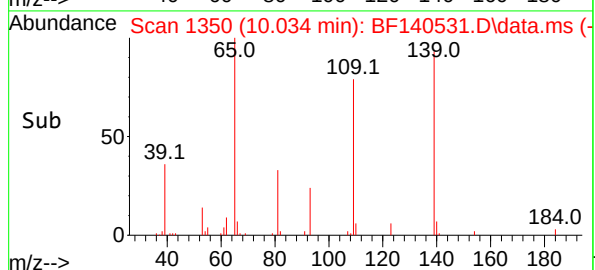
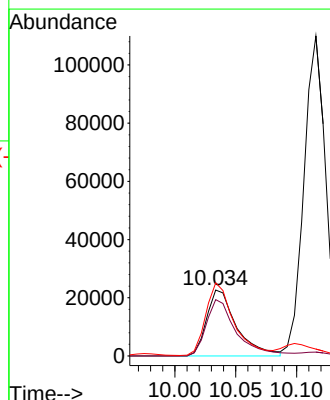
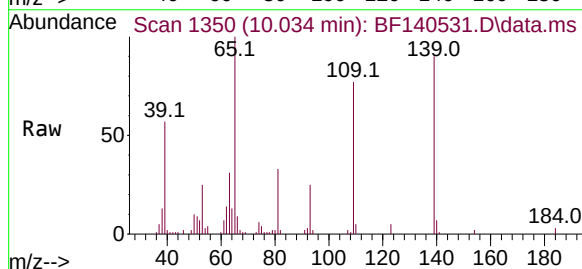
Tgt Ion:139 Resp: 38787

Ion Ratio Lower Upper

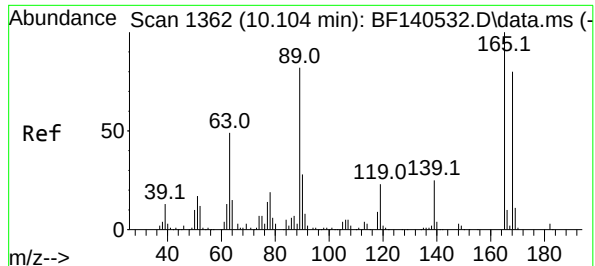
139 100

109 85.4 68.4 108.4

65 110.9 88.6 128.6

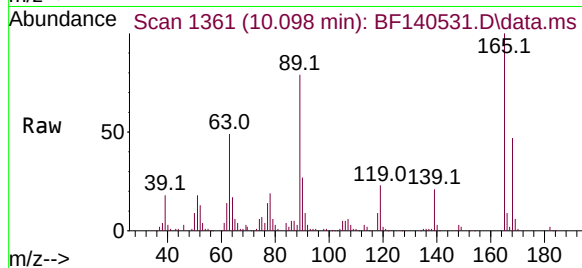






#57  
2,4-Dinitrotoluene  
Concen: 20.957 ng  
RT: 10.098 min Scan# 1361  
Delta R.T. -0.006 min  
Lab File: BF140531.D  
Acq: 21 Nov 2024 12:32

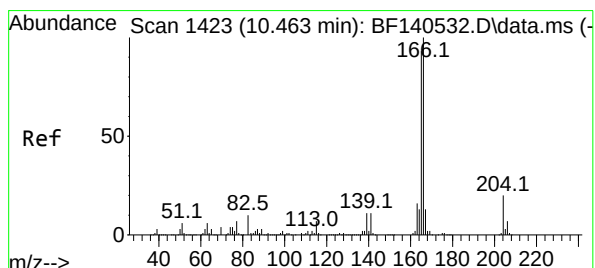
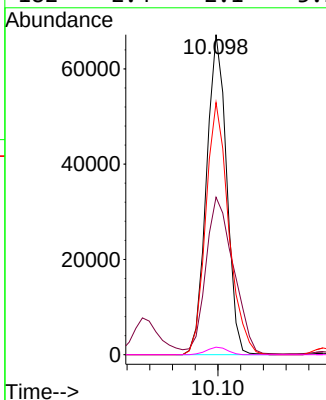
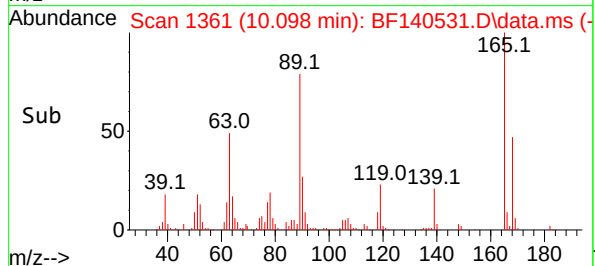
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC020



Tgt Ion:165 Resp: 82700  
Ion Ratio Lower Upper  
165 100  
63 49.2 41.7 62.5  
89 78.8 65.8 98.8  
182 2.4 2.1 3.1

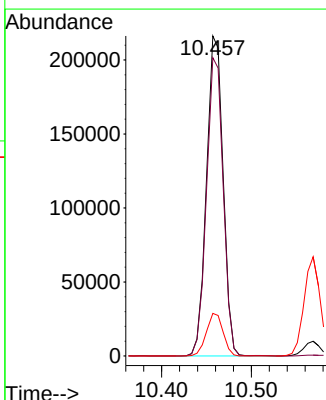
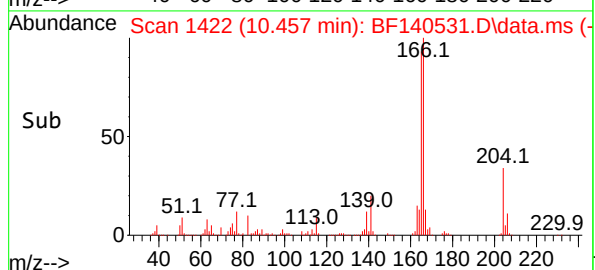
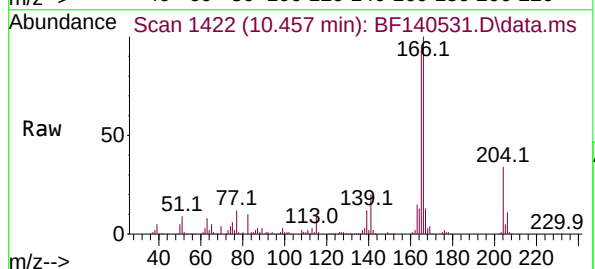
Manual Integrations  
APPROVED

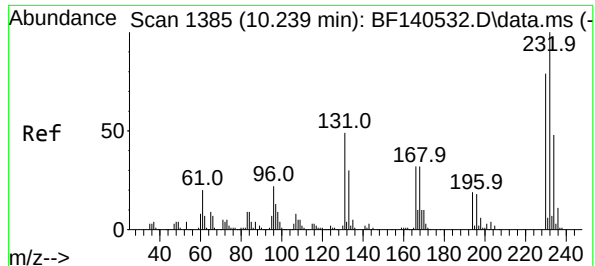
Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024



#58  
Fluorene  
Concen: 21.038 ng  
RT: 10.457 min Scan# 1422  
Delta R.T. -0.006 min  
Lab File: BF140531.D  
Acq: 21 Nov 2024 12:32

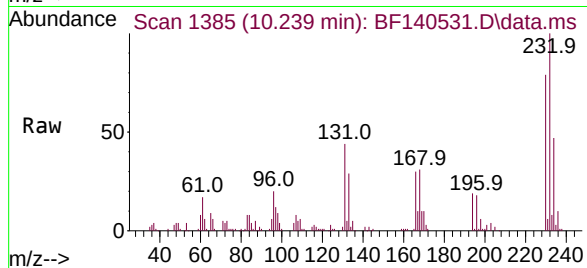
Tgt Ion:166 Resp: 278115  
Ion Ratio Lower Upper  
166 100  
165 93.2 74.6 111.8  
167 13.3 10.6 16.0





#59  
2,3,4,6-Tetrachlorophenol  
Concen: 20.072 ng  
RT: 10.239 min Scan# 1385  
Delta R.T. 0.000 min  
Lab File: BF140531.D  
Acq: 21 Nov 2024 12:32

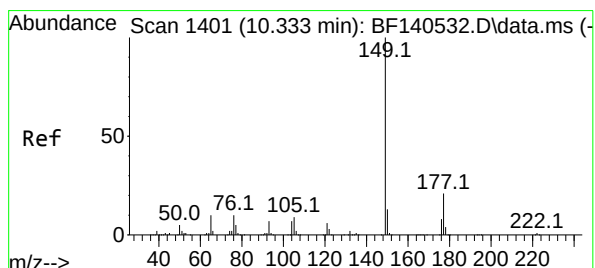
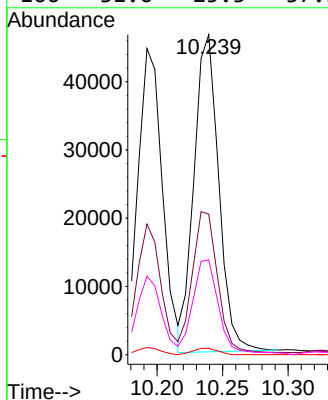
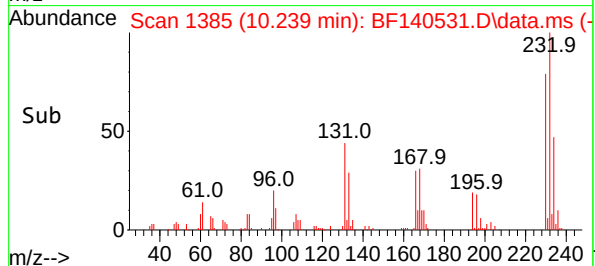
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC020



Tgt Ion:232 Resp: 6114  
Ion Ratio Lower Upper  
232 100  
131 47.5 39.6 59.4  
130 2.0 1.9 2.9  
166 31.6 25.3 37.9

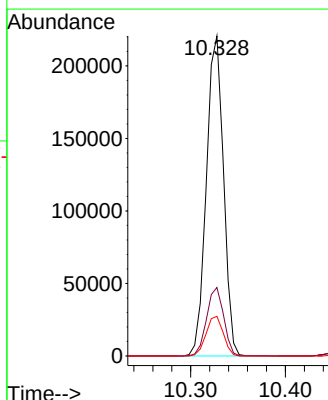
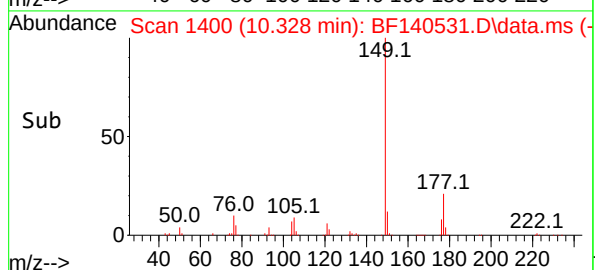
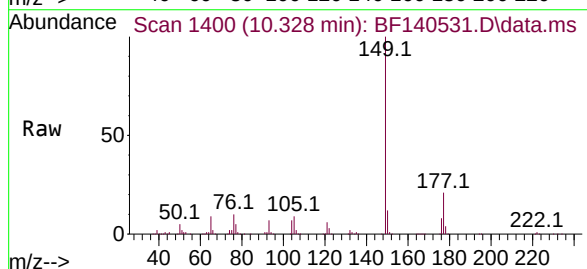
Manual Integrations  
APPROVED

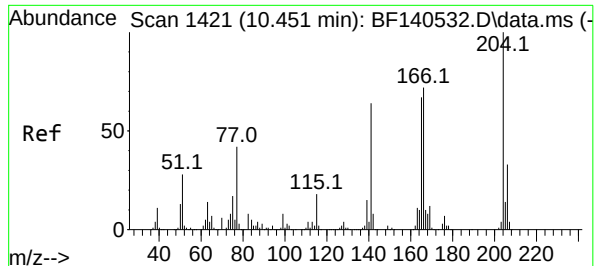
Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024



#60  
Diethylphthalate  
Concen: 20.812 ng  
RT: 10.328 min Scan# 1400  
Delta R.T. -0.006 min  
Lab File: BF140531.D  
Acq: 21 Nov 2024 12:32

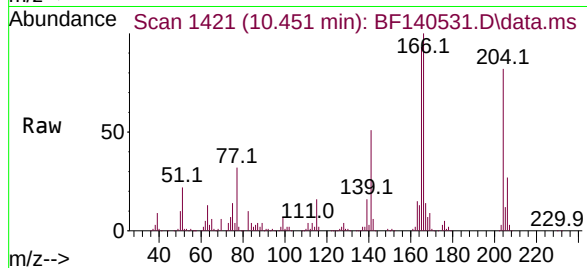
Tgt Ion:149 Resp: 276859  
Ion Ratio Lower Upper  
149 100  
177 21.4 17.1 25.7  
150 12.4 10.1 15.1





#61  
4-Chlorophenyl-phenylether  
Concen: 20.992 ng  
RT: 10.451 min Scan# 1421  
Delta R.T. 0.000 min  
Lab File: BF140531.D  
Acq: 21 Nov 2024 12:32

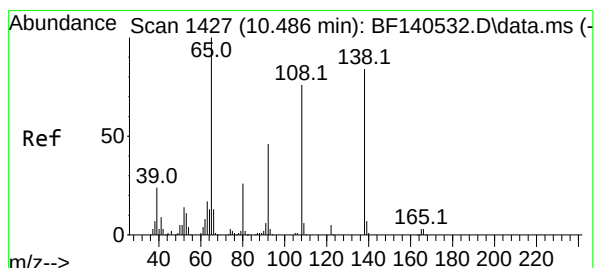
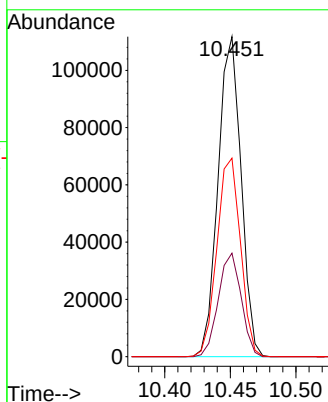
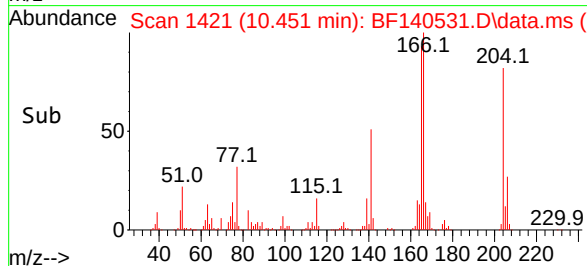
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC020



Tgt Ion:204 Resp: 136189  
Ion Ratio Lower Upper  
204 100  
206 32.4 26.6 40.0  
141 62.0 51.1 76.7

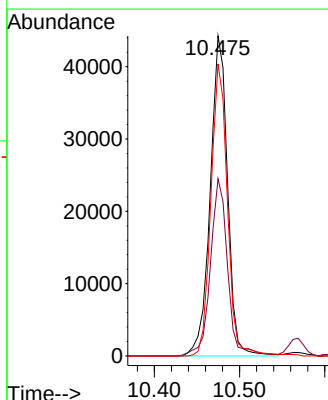
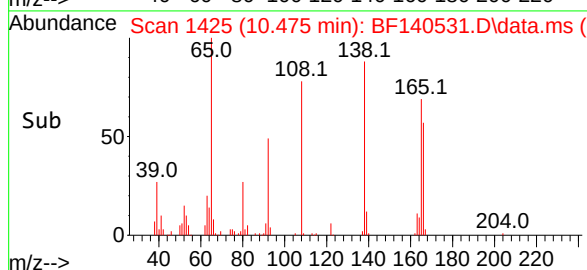
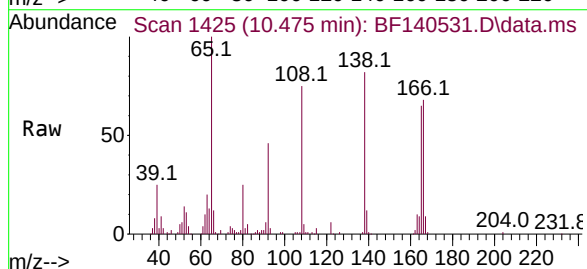
Manual Integrations  
APPROVED

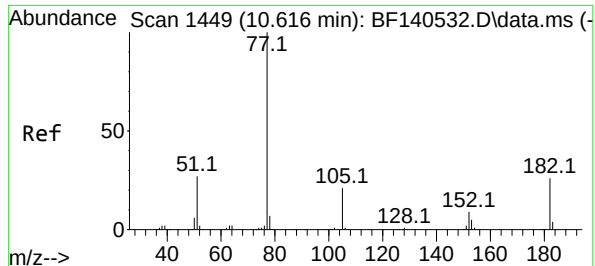
Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024



#62  
4-Nitroaniline  
Concen: 20.555 ng  
RT: 10.475 min Scan# 1425  
Delta R.T. -0.012 min  
Lab File: BF140531.D  
Acq: 21 Nov 2024 12:32

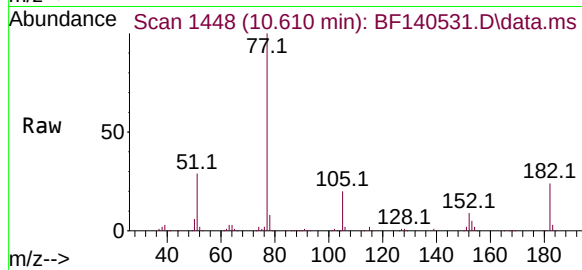
Tgt Ion:138 Resp: 62610  
Ion Ratio Lower Upper  
138 100  
92 55.4 34.5 74.5  
108 91.2 70.6 110.6





#63  
Azobenzene  
Concen: 20.833 ng  
RT: 10.610 min Scan# 1449  
Delta R.T. -0.006 min  
Lab File: BF140531.D  
Acq: 21 Nov 2024 12:32

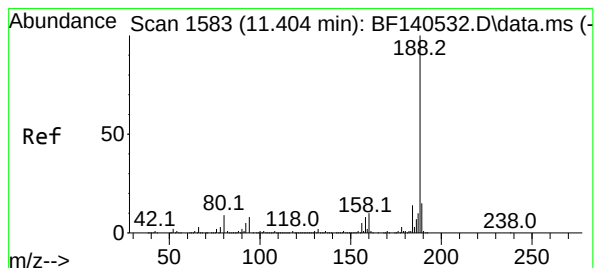
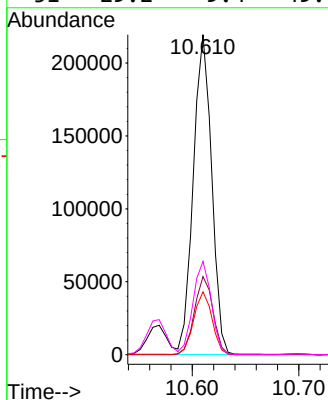
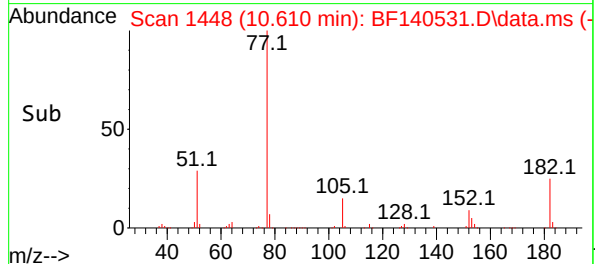
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC020



Tgt Ion: 77 Resp: 262444  
Ion Ratio Lower Upper  
77 100  
182 24.4 5.3 45.3  
105 19.7 0.3 40.3  
51 29.2 9.4 49.4

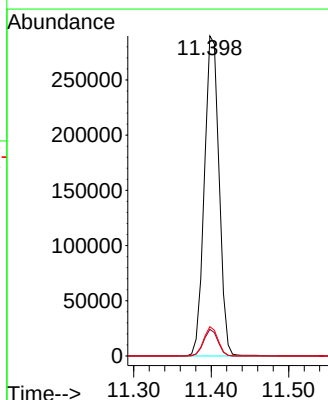
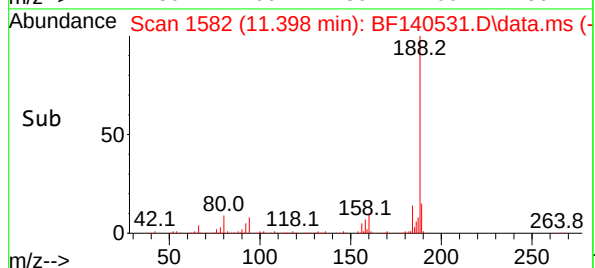
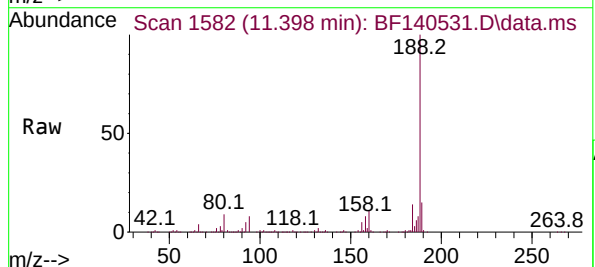
Manual Integrations  
APPROVED

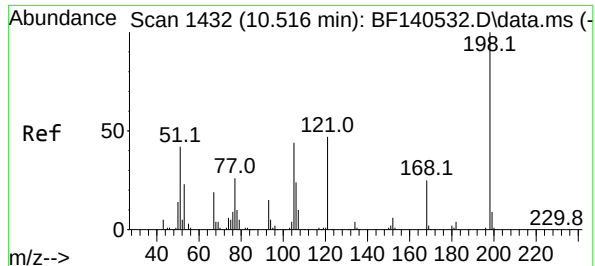
Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.398 min Scan# 1582  
Delta R.T. -0.006 min  
Lab File: BF140531.D  
Acq: 21 Nov 2024 12:32

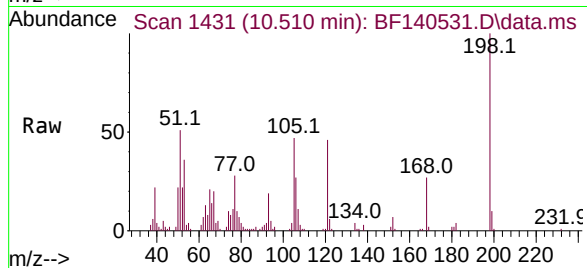
Tgt Ion:188 Resp: 382041  
Ion Ratio Lower Upper  
188 100  
94 8.3 6.4 9.6  
80 9.1 6.9 10.3





#65  
4,6-Dinitro-2-methylphenol  
Concen: 17.627 ng  
RT: 10.510 min Scan# 1432  
Delta R.T. -0.006 min  
Lab File: BF140531.D  
Acq: 21 Nov 2024 12:32

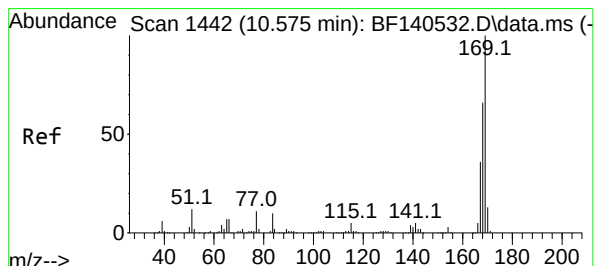
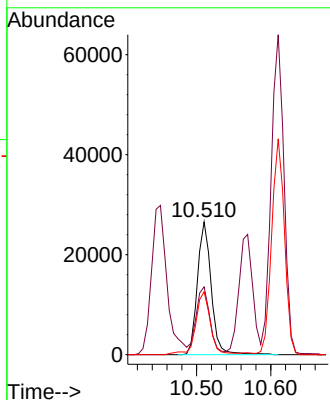
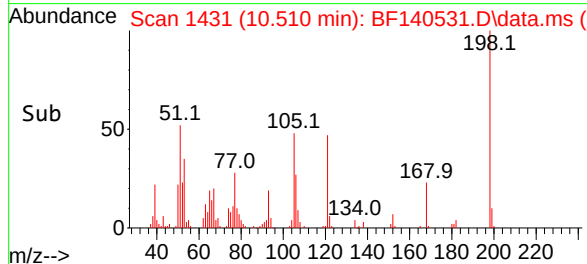
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC020



Tgt Ion:198 Resp: 3441  
Ion Ratio Lower Upper  
198 100  
51 51.1 29.4 69.4  
105 47.4 25.4 65.4

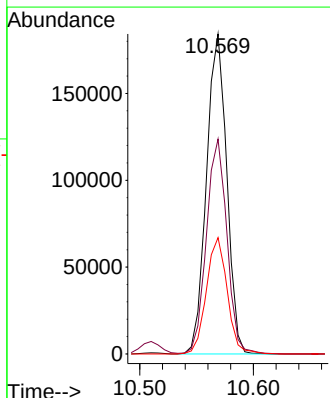
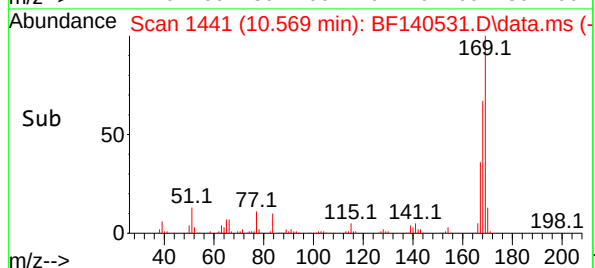
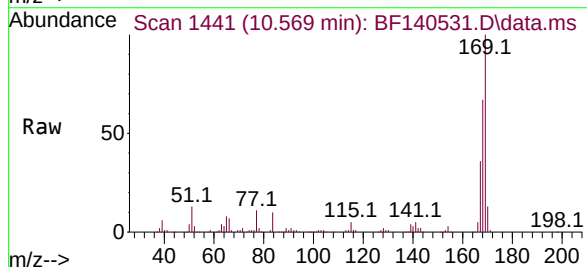
Manual Integrations  
APPROVED

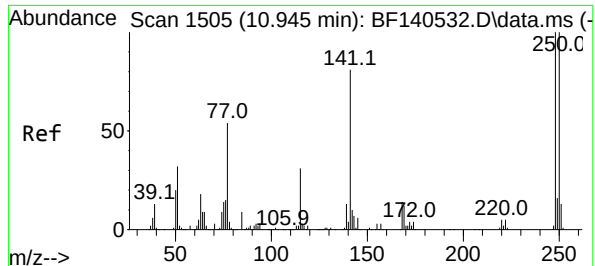
Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024



#66  
n-Nitrosodiphenylamine  
Concen: 20.187 ng  
RT: 10.569 min Scan# 1441  
Delta R.T. -0.006 min  
Lab File: BF140531.D  
Acq: 21 Nov 2024 12:32

Tgt Ion:169 Resp: 228075  
Ion Ratio Lower Upper  
169 100  
168 67.1 53.2 79.8  
167 36.4 29.0 43.6





#67  
4-Bromophenyl-phenylether  
Concen: 20.044 ng  
RT: 10.939 min Scan# 1504  
Delta R.T. -0.006 min  
Lab File: BF140531.D  
Acq: 21 Nov 2024 12:32

Instrument :

BNA\_F

ClientSampleId :

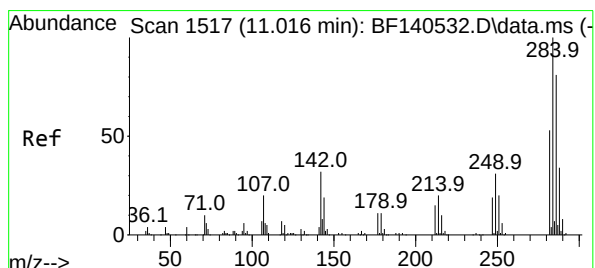
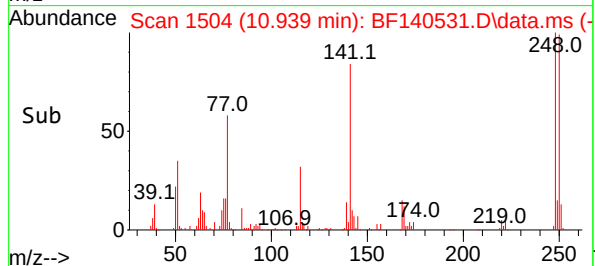
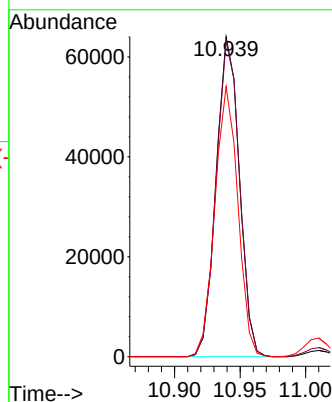
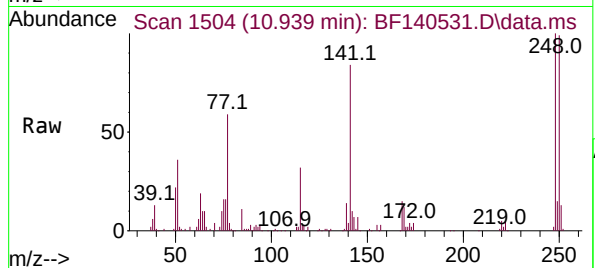
SSTDICC020

Tgt Ion:248 Resp: 7886  
Ion Ratio Lower Upper  
248 100  
250 98.7 79.8 119.8  
141 84.4 64.7 97.1

Manual Integrations

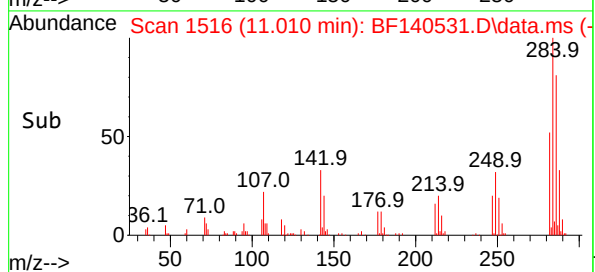
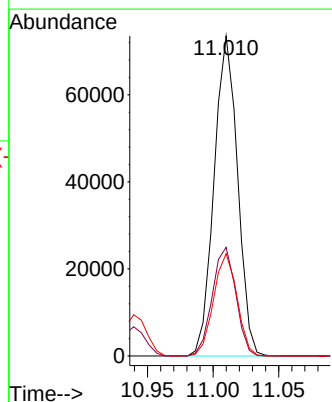
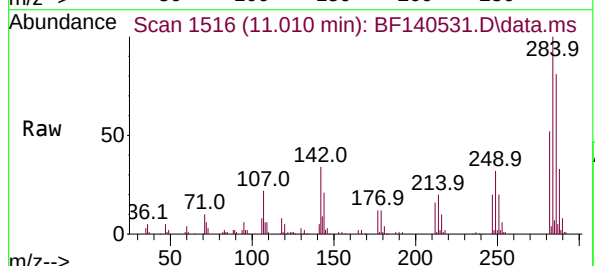
APPROVED

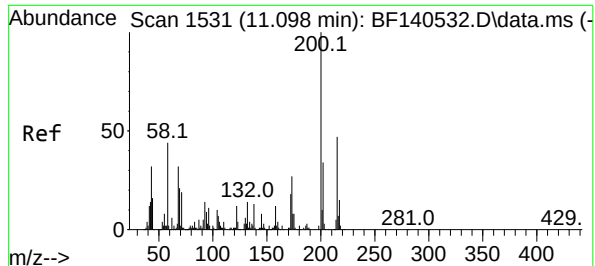
Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024



#68  
Hexachlorobenzene  
Concen: 20.055 ng  
RT: 11.010 min Scan# 1516  
Delta R.T. -0.006 min  
Lab File: BF140531.D  
Acq: 21 Nov 2024 12:32

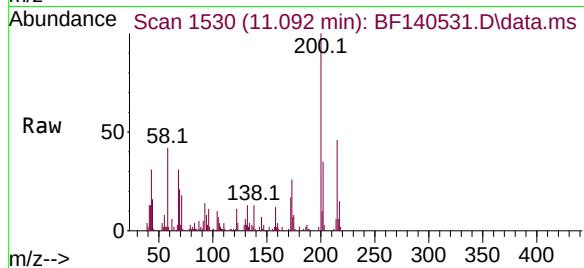
Tgt Ion:284 Resp: 91363  
Ion Ratio Lower Upper  
284 100  
142 34.0 25.3 37.9  
249 31.9 24.8 37.2





#69  
Atrazine  
Concen: 15.754 ng  
RT: 11.092 min Scan# 1530  
Delta R.T. -0.006 min  
Lab File: BF140531.D  
Acq: 21 Nov 2024 12:32

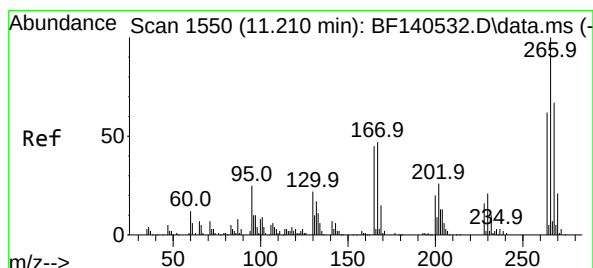
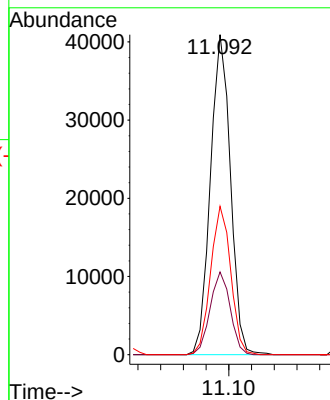
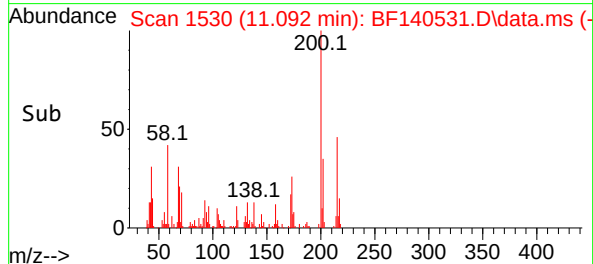
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC020



Tgt Ion:200 Resp: 50070  
Ion Ratio Lower Upper  
200 100  
173 25.9 7.0 47.0  
215 46.3 26.7 66.7

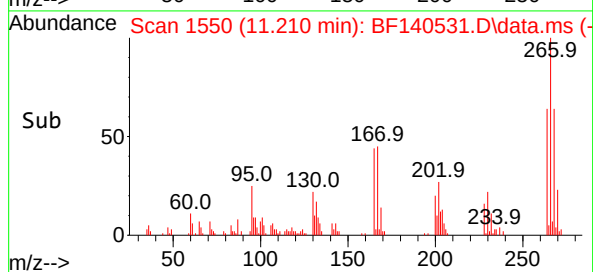
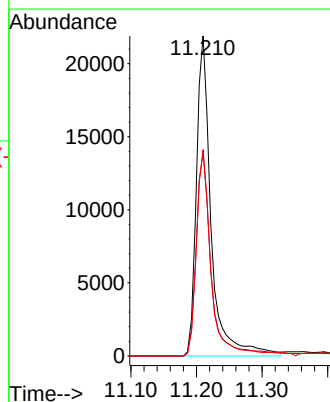
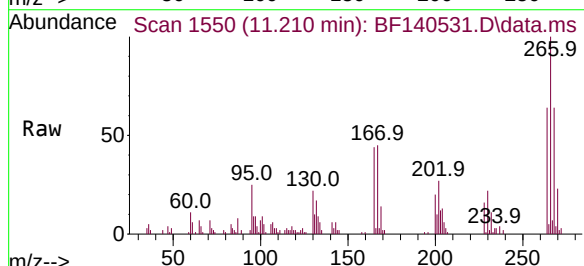
Manual Integrations  
APPROVED

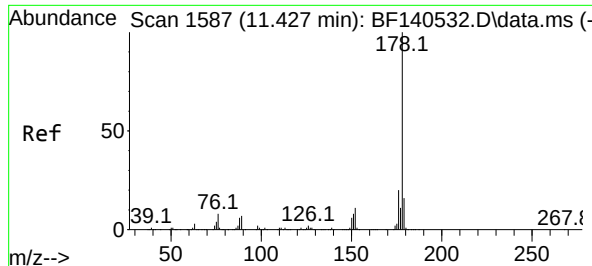
Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024



#70  
Pentachlorophenol  
Concen: 17.111 ng  
RT: 11.210 min Scan# 1550  
Delta R.T. -0.000 min  
Lab File: BF140531.D  
Acq: 21 Nov 2024 12:32

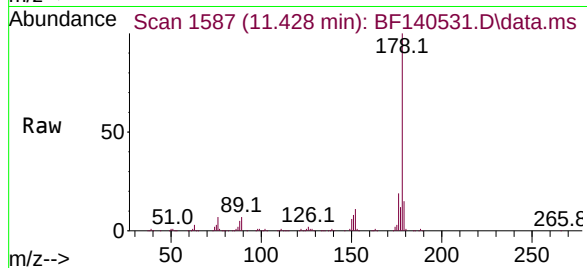
Tgt Ion:266 Resp: 34309  
Ion Ratio Lower Upper  
266 100  
268 63.8 53.7 80.5  
264 64.4 49.8 74.8





#71  
Phenanthrene  
Concen: 20.171 ng  
RT: 11.428 min Scan# 1587  
Delta R.T. 0.000 min  
Lab File: BF140531.D  
Acq: 21 Nov 2024 12:32

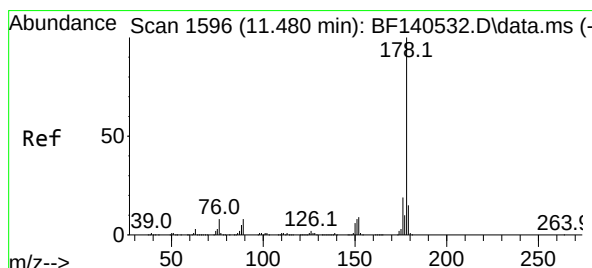
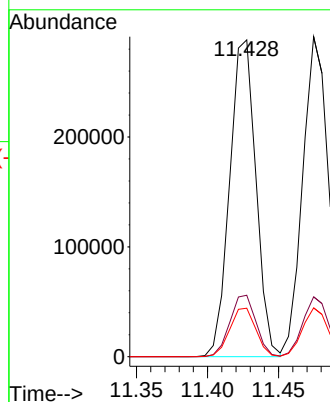
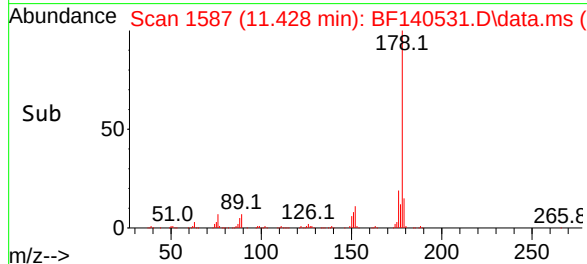
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC020



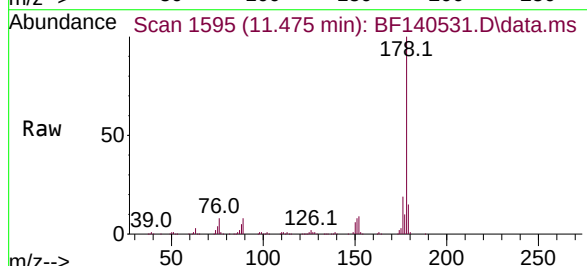
Tgt Ion:178 Resp: 370424  
Ion Ratio Lower Upper  
178 100  
176 19.4 15.8 23.6  
179 15.3 12.4 18.6

Manual Integrations  
APPROVED

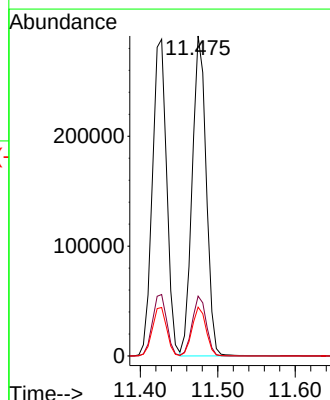
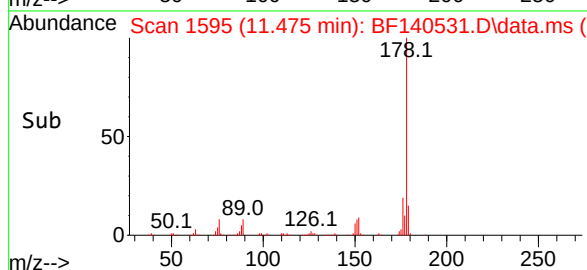
Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024



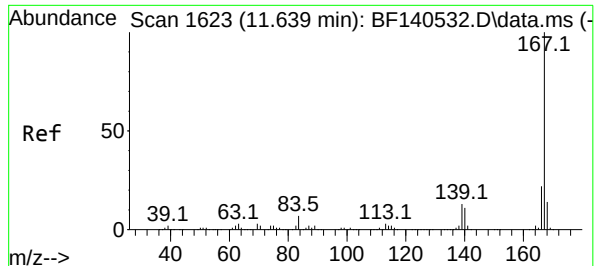
#72  
Anthracene  
Concen: 20.383 ng  
RT: 11.475 min Scan# 1595  
Delta R.T. -0.006 min  
Lab File: BF140531.D  
Acq: 21 Nov 2024 12:32



Tgt Ion:178 Resp: 366152  
Ion Ratio Lower Upper  
178 100  
176 18.7 15.0 22.4  
179 15.2 12.2 18.4

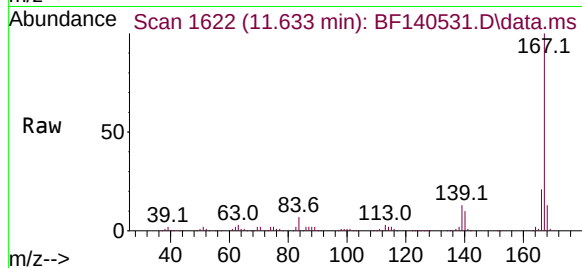






#73  
Carbazole  
Concen: 20.567 ng  
RT: 11.633 min Scan# 1622  
Delta R.T. -0.006 min  
Lab File: BF140531.D  
Acq: 21 Nov 2024 12:32

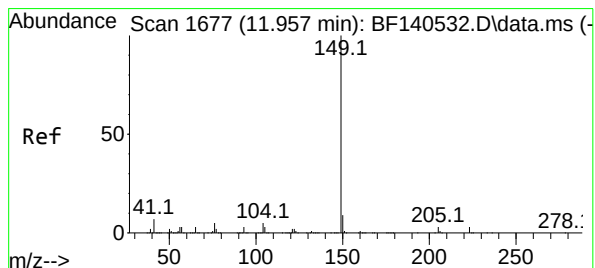
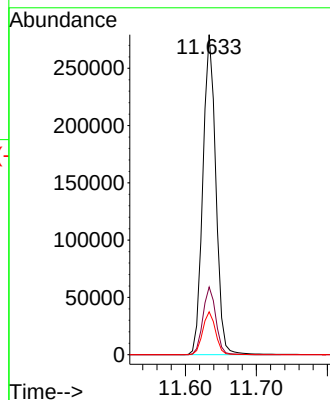
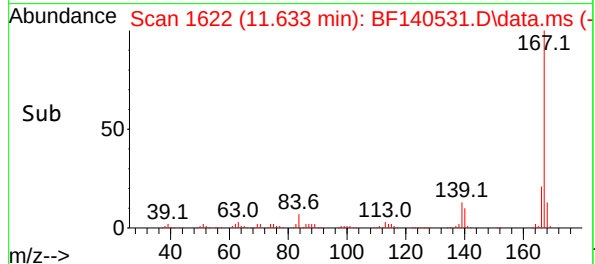
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC020



Tgt Ion:167 Resp: 35542  
Ion Ratio Lower Upper  
167 100  
166 21.2 17.2 25.8  
139 13.4 10.6 15.8

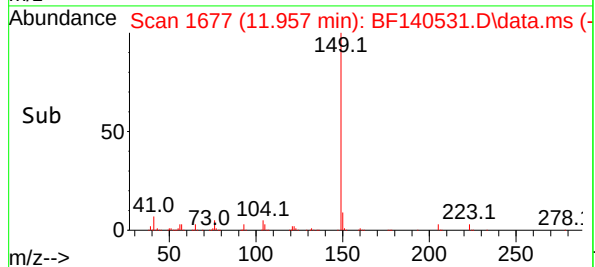
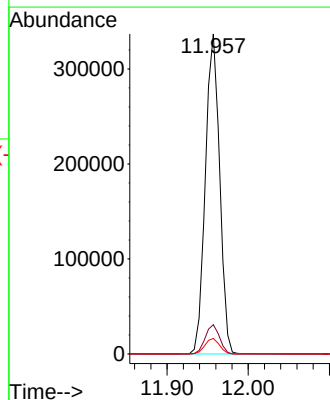
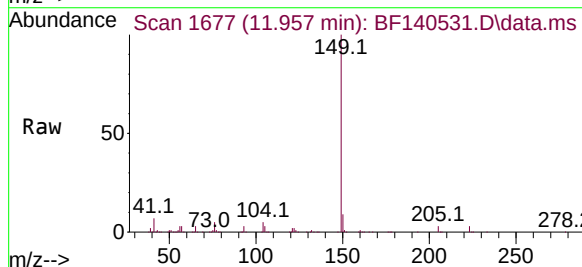
Manual Integrations  
APPROVED

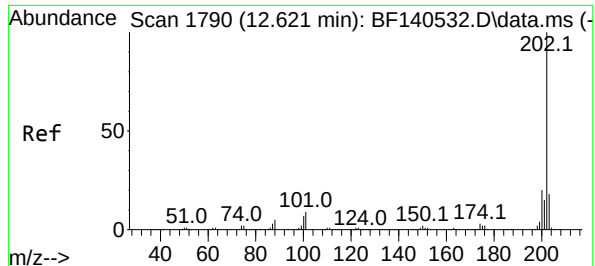
Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024



#74  
Di-n-butylphthalate  
Concen: 20.566 ng  
RT: 11.957 min Scan# 1677  
Delta R.T. 0.000 min  
Lab File: BF140531.D  
Acq: 21 Nov 2024 12:32

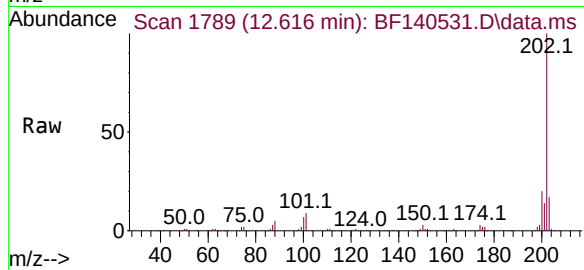
Tgt Ion:149 Resp: 410317  
Ion Ratio Lower Upper  
149 100  
150 9.1 7.5 11.3  
104 4.9 4.1 6.1





#75  
Fluoranthene  
Concen: 21.335 ng  
RT: 12.616 min Scan# 1789  
Delta R.T. -0.006 min  
Lab File: BF140531.D  
Acq: 21 Nov 2024 12:32

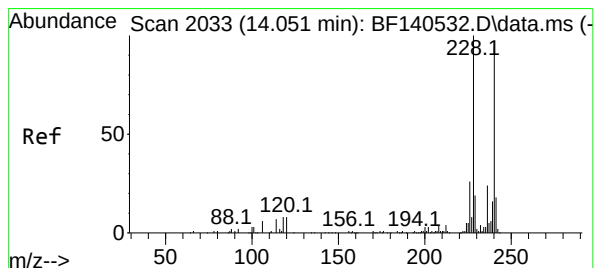
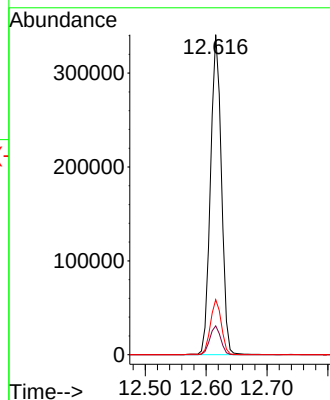
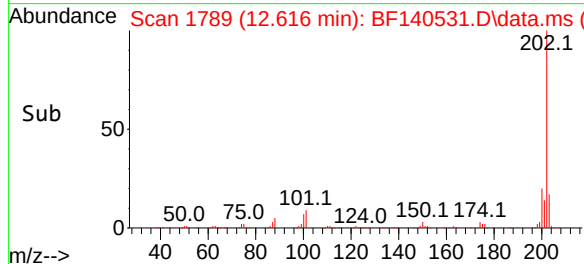
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC020



Tgt Ion:202 Resp: 425403  
Ion Ratio Lower Upper  
202 100  
101 9.0 0.0 28.9  
203 17.2 0.0 37.6

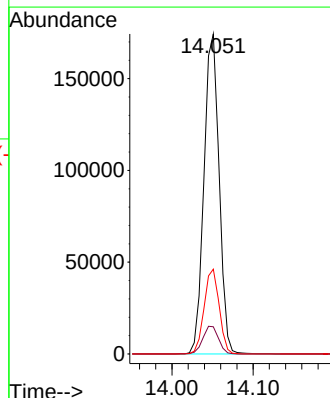
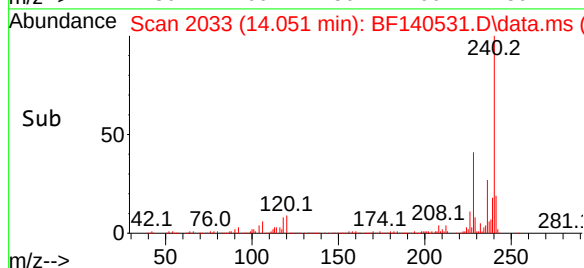
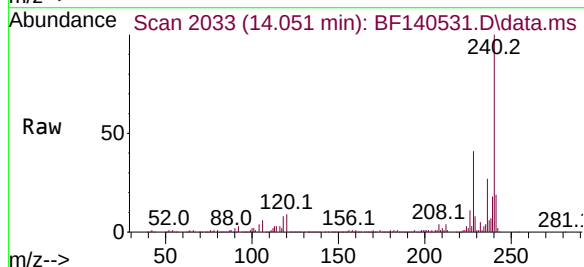
Manual Integrations  
APPROVED

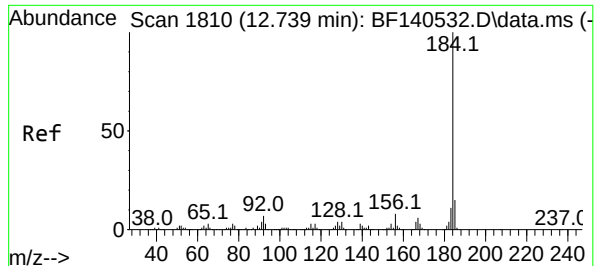
Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.051 min Scan# 2033  
Delta R.T. 0.000 min  
Lab File: BF140531.D  
Acq: 21 Nov 2024 12:32

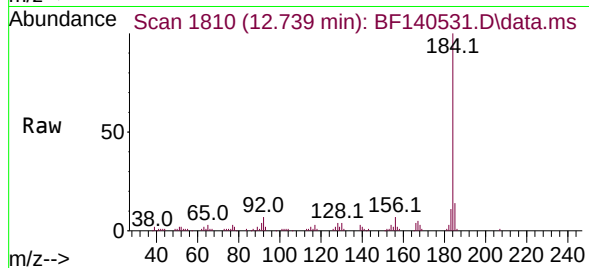
Tgt Ion:240 Resp: 225903  
Ion Ratio Lower Upper  
240 100  
120 8.5 7.3 10.9  
236 26.5 20.6 31.0





#77  
Benzidine  
Concen: 10.185 ng  
RT: 12.739 min Scan# 1810  
Delta R.T. 0.000 min  
Lab File: BF140531.D  
Acq: 21 Nov 2024 12:32

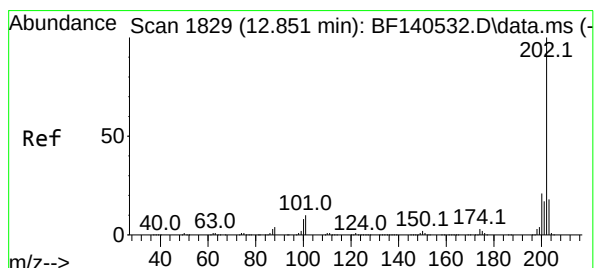
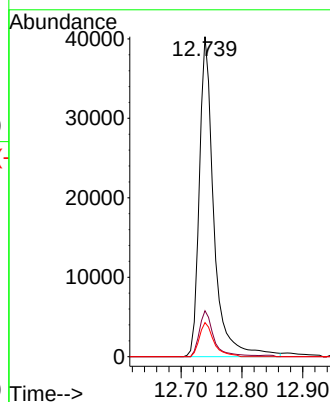
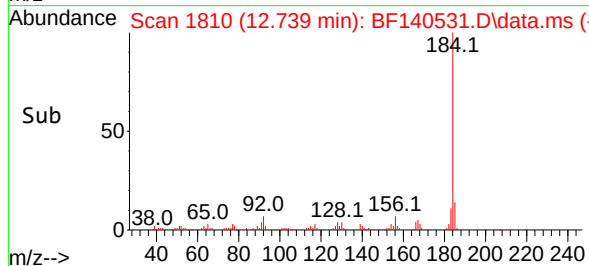
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC020



Tgt Ion:184 Resp: 6689  
Ion Ratio Lower Upper  
184 100  
185 14.3 11.7 17.5  
183 10.6 8.8 13.2

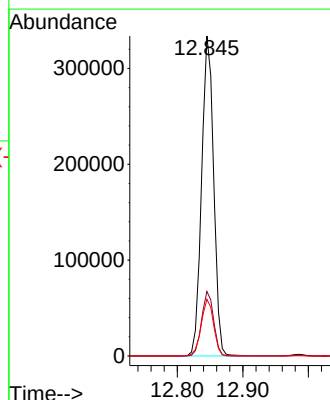
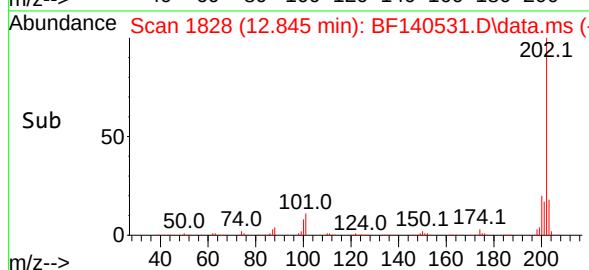
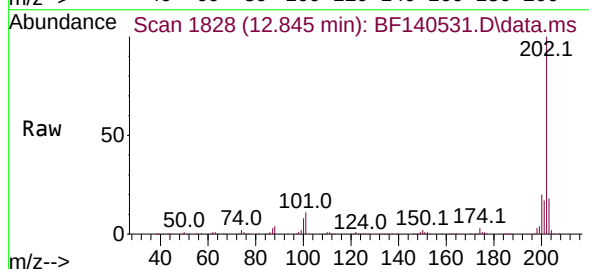
Manual Integrations  
APPROVED

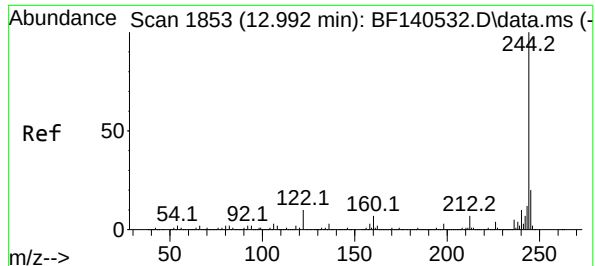
Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024



#78  
Pyrene  
Concen: 20.514 ng  
RT: 12.845 min Scan# 1828  
Delta R.T. -0.006 min  
Lab File: BF140531.D  
Acq: 21 Nov 2024 12:32

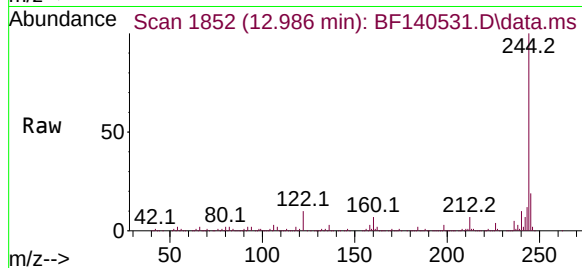
Tgt Ion:202 Resp: 428479  
Ion Ratio Lower Upper  
202 100  
200 20.1 16.5 24.7  
203 17.7 14.2 21.4





#79  
Terphenyl-d14  
Concen: 40.721 ng  
RT: 12.986 min Scan# 1852  
Delta R.T. -0.006 min  
Lab File: BF140531.D  
Acq: 21 Nov 2024 12:32

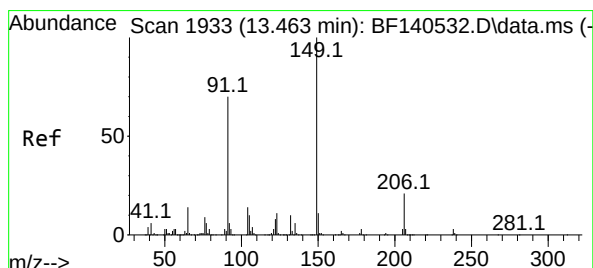
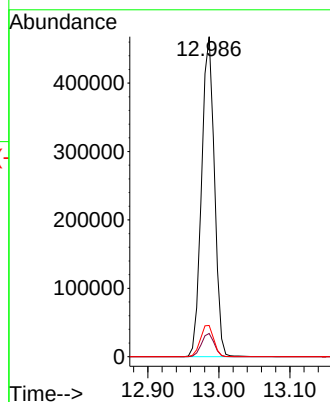
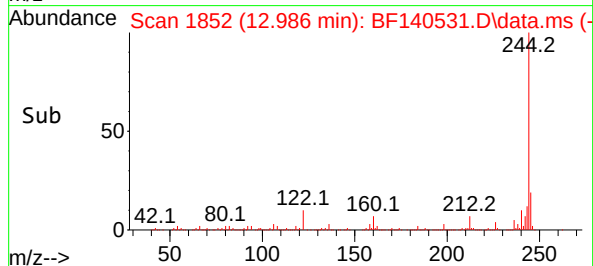
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC020



Tgt Ion:244 Resp: 590775  
Ion Ratio Lower Upper  
244 100  
212 7.2 5.8 8.8  
122 9.7 8.0 12.0

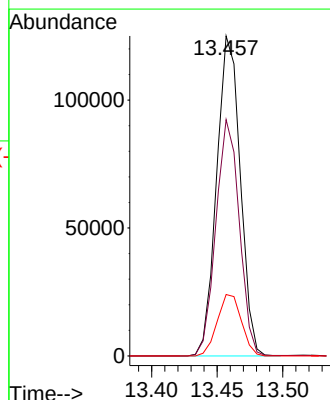
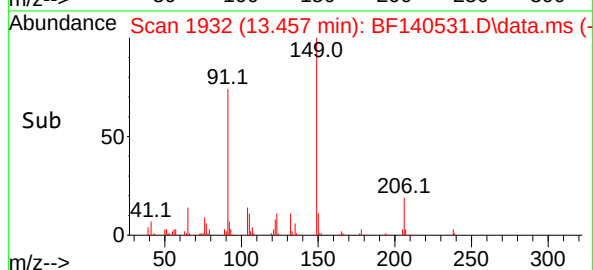
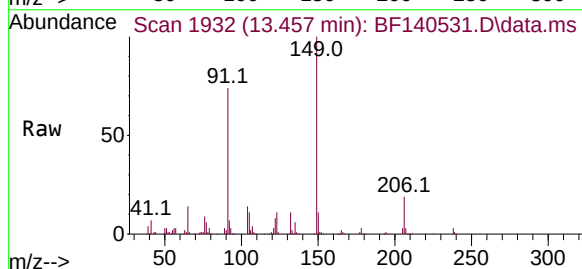
Manual Integrations  
APPROVED

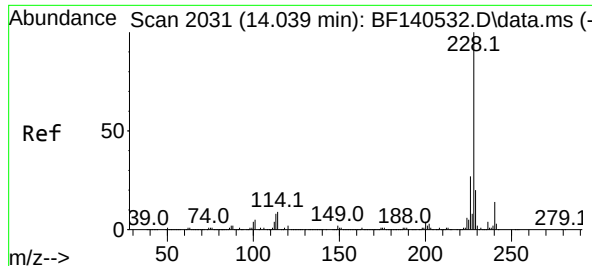
Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024



#80  
Butylbenzylphthalate  
Concen: 20.835 ng  
RT: 13.457 min Scan# 1932  
Delta R.T. -0.006 min  
Lab File: BF140531.D  
Acq: 21 Nov 2024 12:32

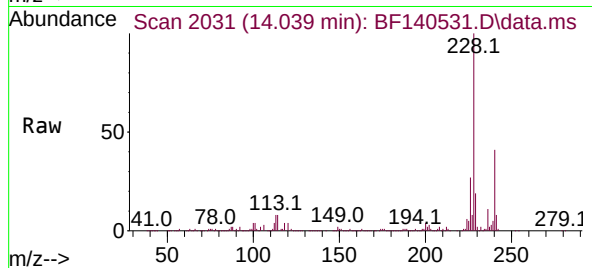
Tgt Ion:149 Resp: 156775  
Ion Ratio Lower Upper  
149 100  
91 73.8 56.2 84.2  
206 19.2 16.4 24.6





#81  
Benzo(a)anthracene  
Concen: 20.825 ng  
RT: 14.039 min Scan# 2031  
Delta R.T. 0.000 min  
Lab File: BF140531.D  
Acq: 21 Nov 2024 12:32

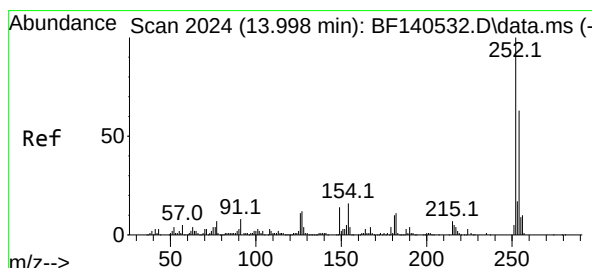
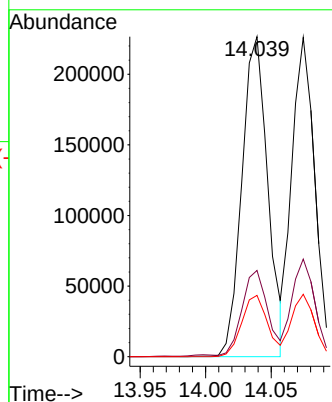
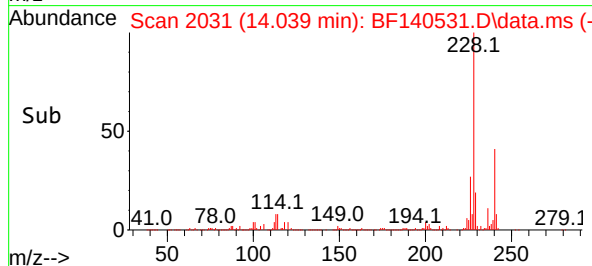
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC020



Tgt Ion:228 Resp: 311410  
Ion Ratio Lower Upper  
228 100  
226 27.0 21.8 32.8  
229 19.2 15.8 23.6

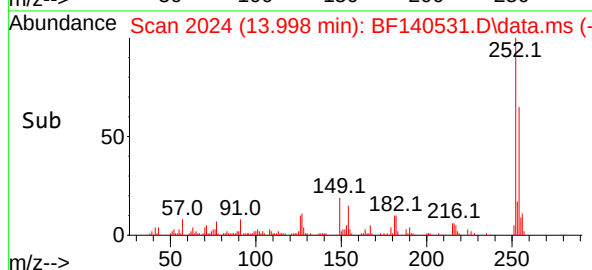
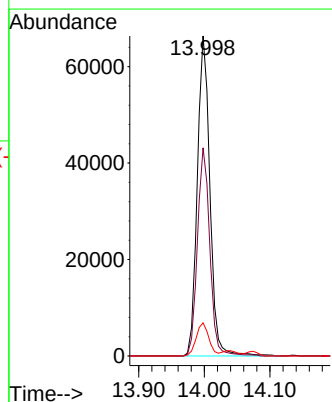
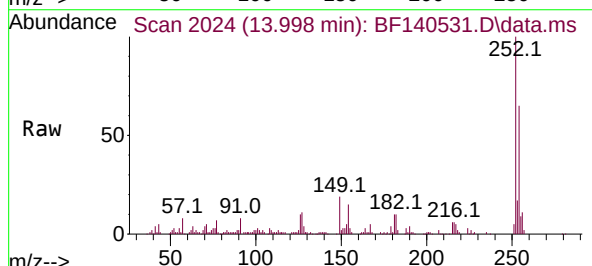
Manual Integrations  
APPROVED

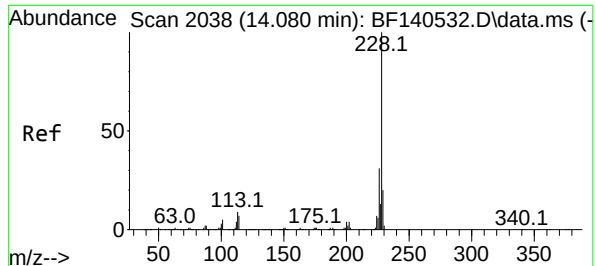
Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024



#82  
3,3'-Dichlorobenzidine  
Concen: 19.791 ng  
RT: 13.998 min Scan# 2024  
Delta R.T. 0.000 min  
Lab File: BF140531.D  
Acq: 21 Nov 2024 12:32

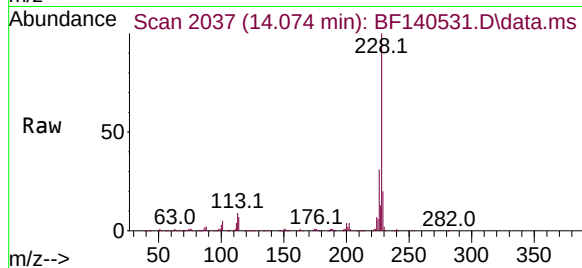
Tgt Ion:252 Resp: 88858  
Ion Ratio Lower Upper  
252 100  
254 65.0 50.8 76.2  
126 10.4 8.6 13.0





#83  
Chrysene  
Concen: 20.117 ng  
RT: 14.074 min Scan# 2038  
Delta R.T. -0.006 min  
Lab File: BF140531.D  
Acq: 21 Nov 2024 12:32

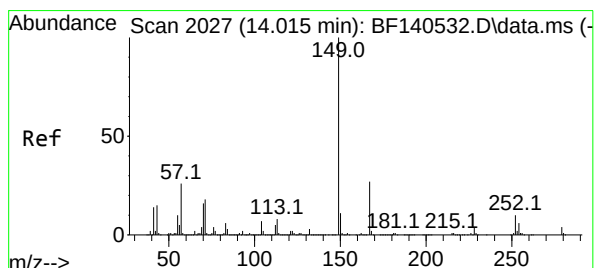
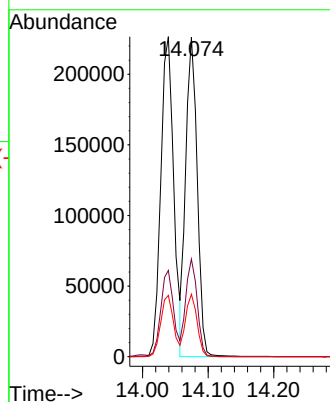
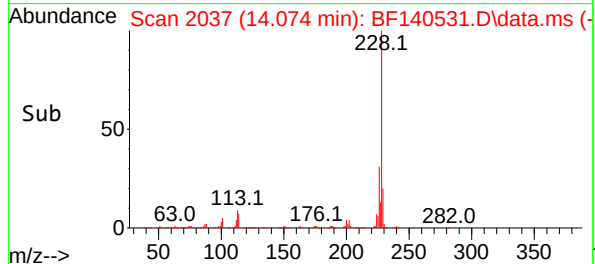
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC020



Tgt Ion:228 Resp: 275068  
Ion Ratio Lower Upper  
228 100  
226 30.6 24.4 36.6  
229 19.6 15.8 23.6

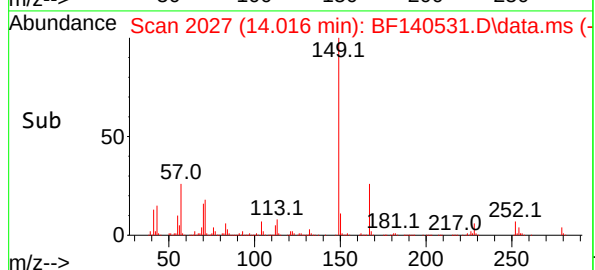
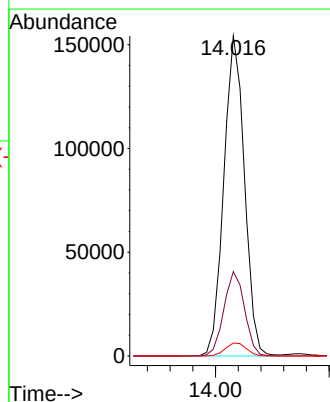
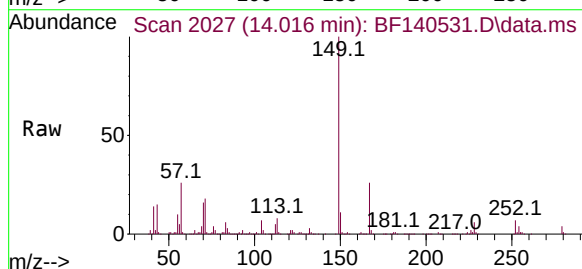
Manual Integrations  
APPROVED

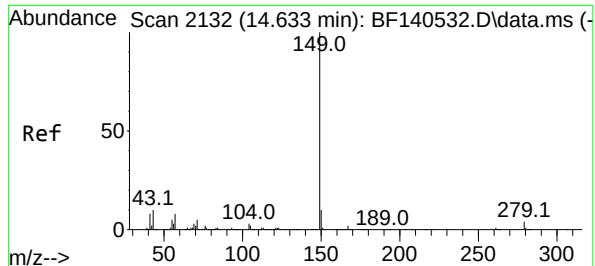
Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024



#84  
Bis(2-ethylhexyl)phthalate  
Concen: 20.484 ng  
RT: 14.016 min Scan# 2027  
Delta R.T. 0.000 min  
Lab File: BF140531.D  
Acq: 21 Nov 2024 12:32

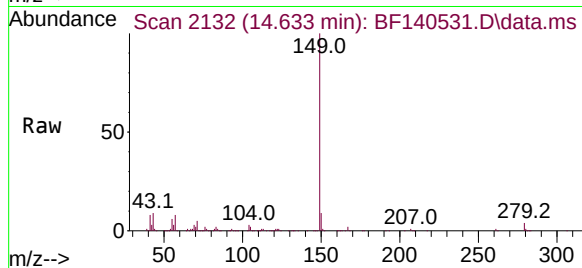
Tgt Ion:149 Resp: 194626  
Ion Ratio Lower Upper  
149 100  
167 26.4 21.2 31.8  
279 4.1 3.2 4.8





#85  
Di-n-octyl phthalate  
Concen: 19.953 ng  
RT: 14.633 min Scan# 2132  
Delta R.T. 0.000 min  
Lab File: BF140531.D  
Acq: 21 Nov 2024 12:32

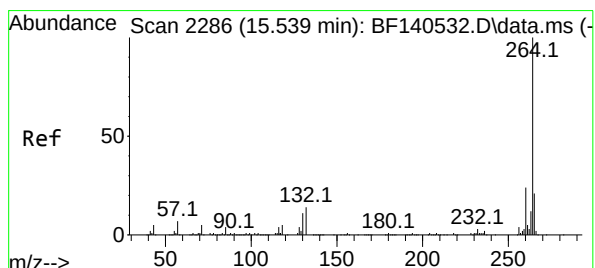
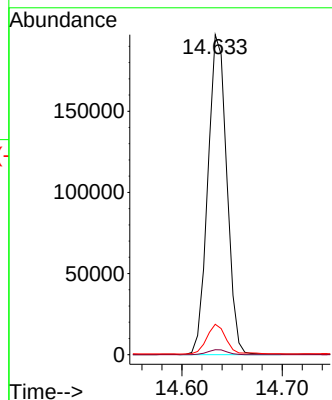
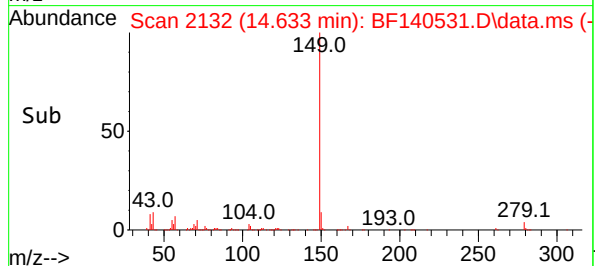
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC020



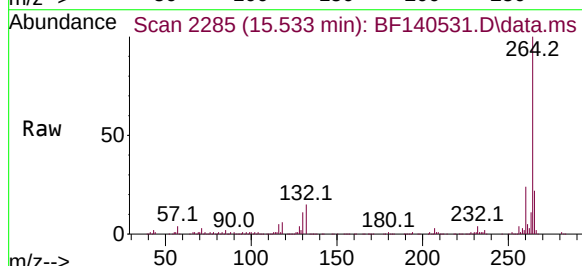
Tgt Ion:149 Resp: 259088  
Ion Ratio Lower Upper  
149 100  
167 1.6 1.3 1.9  
43 9.4 7.7 11.5

Manual Integrations  
APPROVED

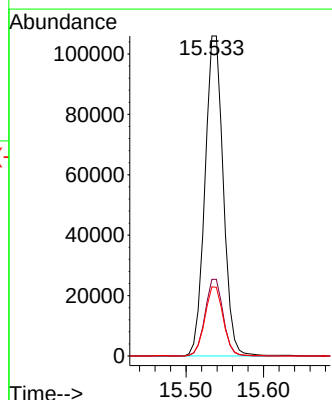
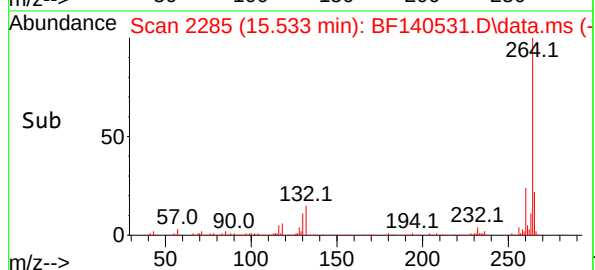
Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024

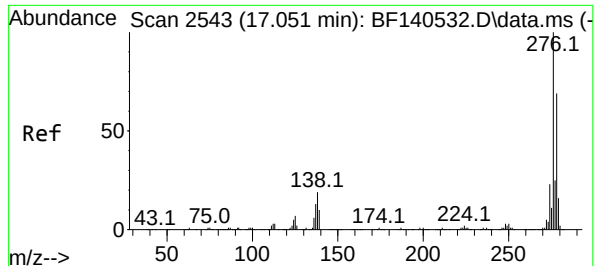


#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.533 min Scan# 2285  
Delta R.T. -0.006 min  
Lab File: BF140531.D  
Acq: 21 Nov 2024 12:32



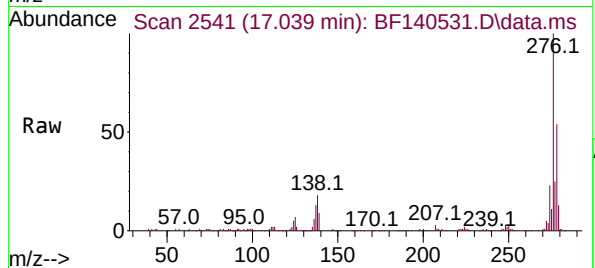
Tgt Ion:264 Resp: 173612  
Ion Ratio Lower Upper  
264 100  
260 24.0 19.0 28.6  
265 21.6 16.6 25.0





#87  
Indeno(1,2,3-cd)pyrene  
Concen: 19.930 ng  
RT: 17.039 min Scan# 21  
Delta R.T. -0.012 min  
Lab File: BF140531.D  
Acq: 21 Nov 2024 12:32

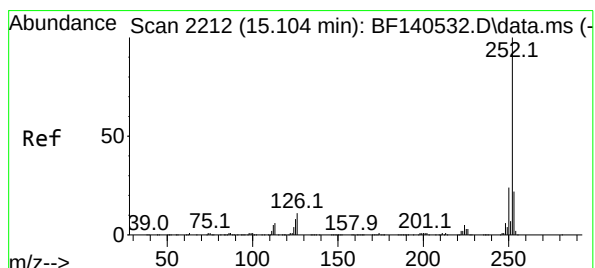
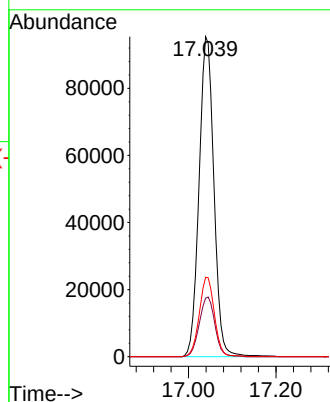
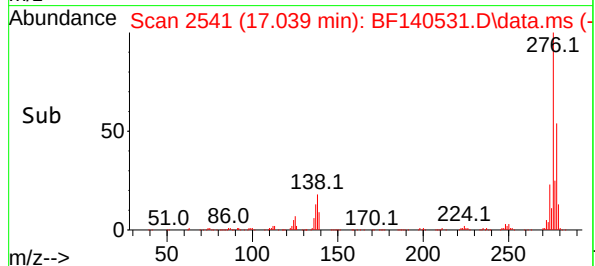
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC020



Tgt Ion:276 Resp: 225489  
Ion Ratio Lower Upper  
276 100  
138 19.6 15.5 23.3  
277 25.2 20.1 30.1

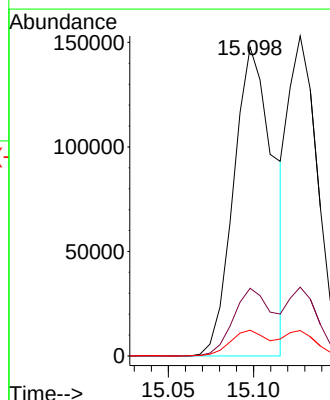
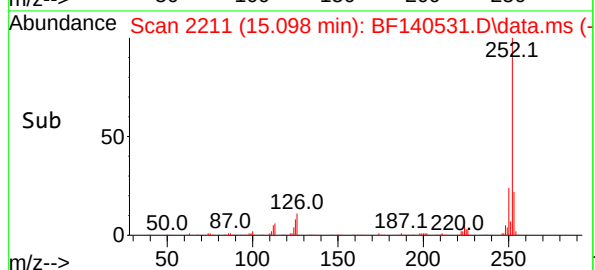
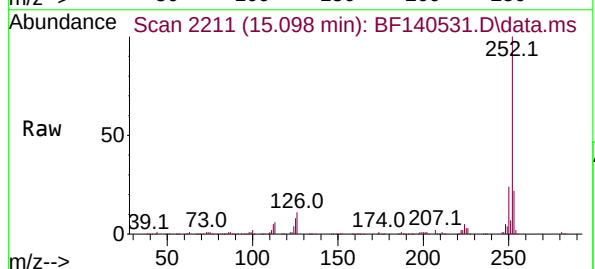
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024

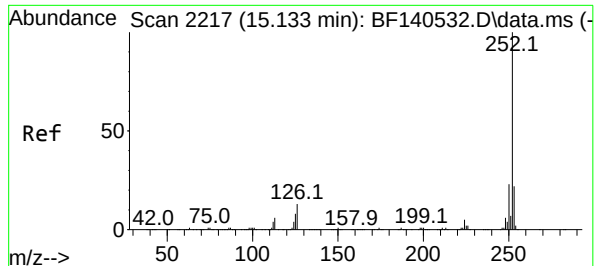


#88  
Benzo(b)fluoranthene  
Concen: 21.977 ng  
RT: 15.098 min Scan# 2211  
Delta R.T. -0.006 min  
Lab File: BF140531.D  
Acq: 21 Nov 2024 12:32

Tgt Ion:252 Resp: 239653  
Ion Ratio Lower Upper  
252 100  
253 21.9 17.2 25.8  
125 8.4 6.7 10.1







#89

Benzo(k)fluoranthene

Concen: 19.261 ng

RT: 15.127 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF140531.D

Acq: 21 Nov 2024 12:32

Instrument :

BNA\_F

ClientSampleId :

SSTDICC020

Tgt Ion:252 Resp: 18379

Ion Ratio Lower Upper

252 100

253 21.5 17.5 26.3

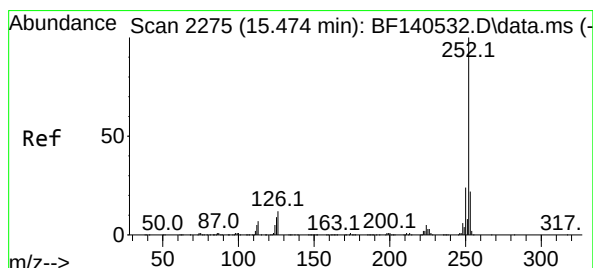
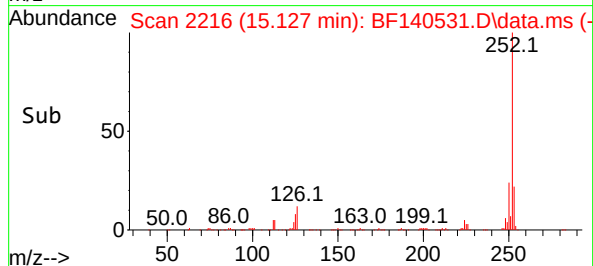
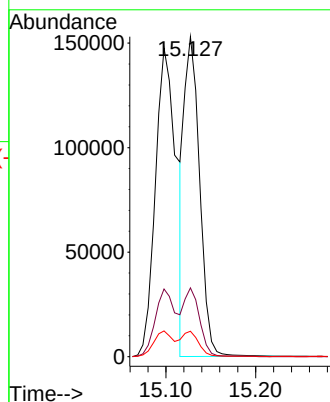
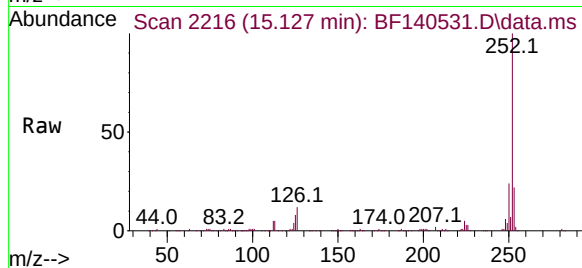
125 8.0 6.5 9.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/27/2024



#90

Benzo(a)pyrene

Concen: 20.812 ng

RT: 15.474 min Scan# 2275

Delta R.T. 0.000 min

Lab File: BF140531.D

Acq: 21 Nov 2024 12:32

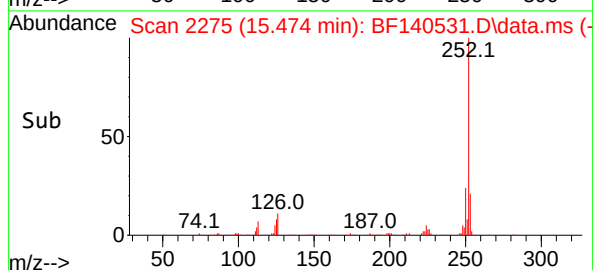
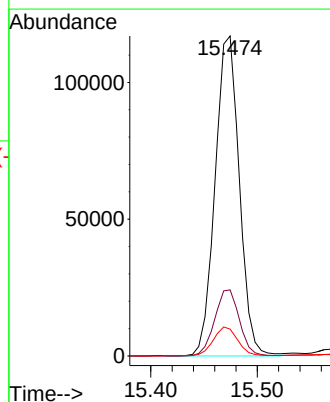
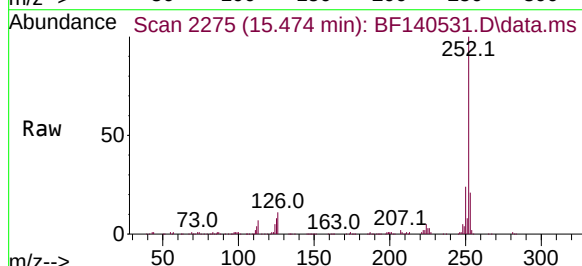
Tgt Ion:252 Resp: 184528

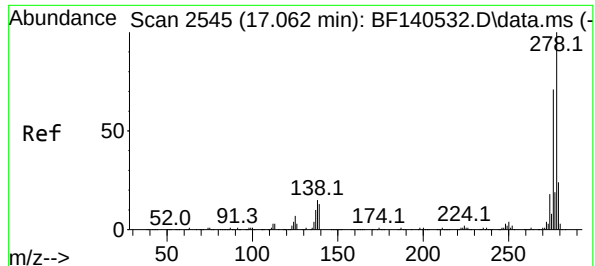
Ion Ratio Lower Upper

252 100

253 20.7 17.3 25.9

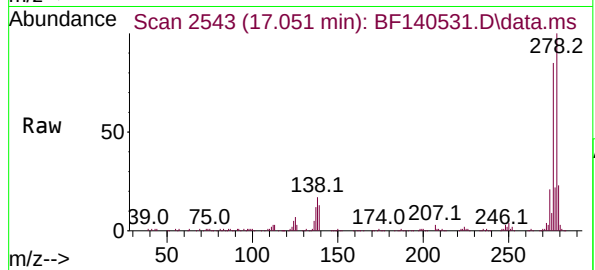
125 8.4 7.0 10.6





#91  
Dibenzo(a,h)anthracene  
Concen: 19.926 ng  
RT: 17.051 min Scan# 21  
Delta R.T. -0.012 min  
Lab File: BF140531.D  
Acq: 21 Nov 2024 12:32

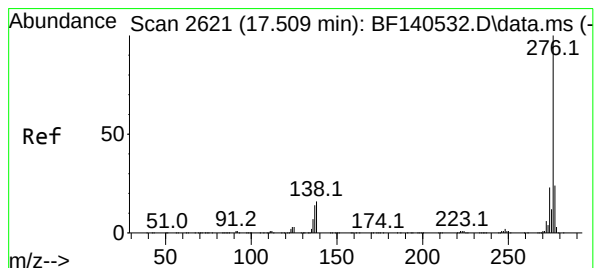
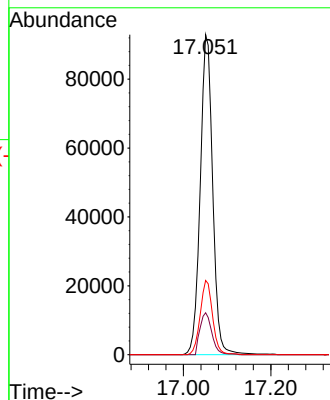
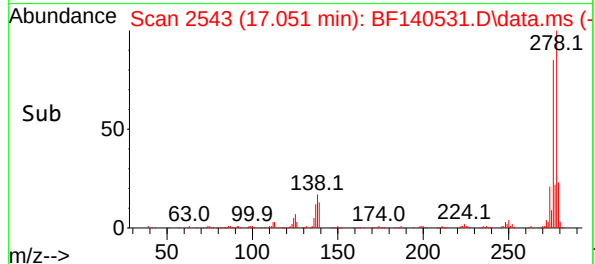
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC020



Tgt Ion:278 Resp: 184632  
Ion Ratio Lower Upper  
278 100  
139 13.1 10.2 15.4  
279 23.2 18.9 28.3

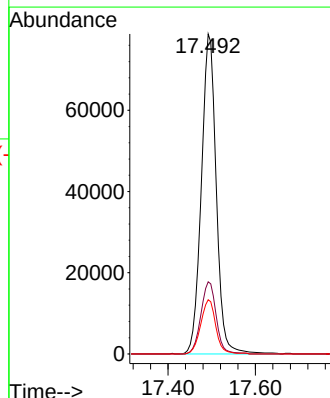
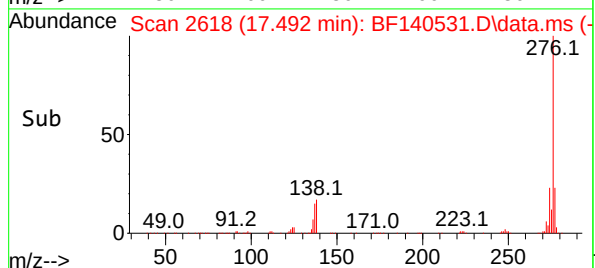
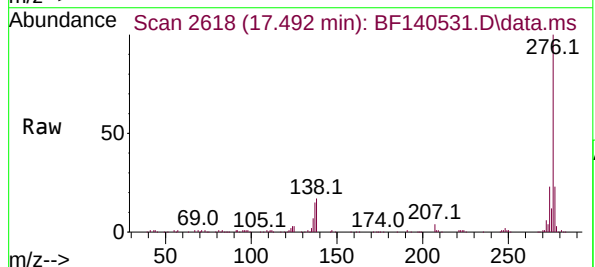
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024



#92  
Benzo(g,h,i)perylene  
Concen: 19.795 ng  
RT: 17.492 min Scan# 2618  
Delta R.T. -0.018 min  
Lab File: BF140531.D  
Acq: 21 Nov 2024 12:32

Tgt Ion:276 Resp: 187164  
Ion Ratio Lower Upper  
276 100  
277 22.5 18.9 28.3  
138 17.0 13.2 19.8



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF112124\  
 Data File : BF140532.D  
 Acq On : 21 Nov 2024 12:58  
 Operator : RC/JU  
 Sample : SSTDICCC040  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDICCC040

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 11/22/2024  
 Supervised By :mohammad ahmed 11/27/2024

Quant Time: Nov 21 15:12:33 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF112124.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Nov 21 14:50:10 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.875  | 152  | 107516   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.157  | 136  | 413408   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.916  | 164  | 234407   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.404 | 188  | 437466   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 14.051 | 240  | 239343   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12              | 15.539 | 264  | 211422   | 20.000 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.498  | 112  | 504816   | 80.111 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.516  | 99   | 688812   | 82.684 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.439  | 82   | 648845   | 80.281 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.704 | 330  | 202517   | 80.781 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.233  | 172  | 1210929  | 76.969 | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.992 | 244  | 1228064  | 79.896 | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.652  | 88   | 105183   | 39.700 | ng    | 100      |
| 3) Pyridine                   | 3.422  | 79   | 256255   | 43.959 | ng    | 100      |
| 4) n-Nitrosodimethylamine     | 3.381  | 42   | 139435   | 40.698 | ng    | 100      |
| 6) Aniline                    | 6.540  | 93   | 268994   | 45.875 | ng    | 100      |
| 8) 2-Chlorophenol             | 6.663  | 128  | 275937   | 40.702 | ng    | 100      |
| 9) Benzaldehyde               | 6.428  | 77   | 158653   | 35.975 | ng    | 100      |
| 10) Phenol                    | 6.528  | 94   | 358490   | 42.137 | ng    | 100      |
| 11) bis(2-Chloroethyl)ether   | 6.610  | 93   | 267847   | 41.142 | ng    | 100      |
| 12) 1,3-Dichlorobenzene       | 6.816  | 146  | 300744   | 39.480 | ng    | 100      |
| 13) 1,4-Dichlorobenzene       | 6.892  | 146  | 307112   | 39.817 | ng    | 100      |
| 14) 1,2-Dichlorobenzene       | 7.045  | 146  | 291347   | 40.311 | ng    | 100      |
| 15) Benzyl Alcohol            | 7.016  | 79   | 263144   | 42.594 | ng    | 100      |
| 16) 2,2'-oxybis(1-Chloropr... | 7.145  | 45   | 314582   | 40.901 | ng    | 100      |
| 17) 2-Methylphenol            | 7.134  | 107  | 223977   | 41.272 | ng    | 100      |
| 18) Hexachloroethane          | 7.387  | 117  | 115481   | 40.087 | ng    | 100      |
| 19) n-Nitroso-di-n-propyla... | 7.287  | 70   | 203356   | 41.304 | ng    | 100      |
| 20) 3+4-Methylphenols         | 7.287  | 107  | 289597   | 41.517 | ng    | 100      |
| 22) Acetophenone              | 7.287  | 105  | 397747   | 39.464 | ng    | 100      |
| 24) Nitrobenzene              | 7.457  | 77   | 331927   | 39.736 | ng    | 100      |
| 25) Isophorone                | 7.698  | 82   | 546985   | 40.576 | ng    | 100      |
| 26) 2-Nitrophenol             | 7.775  | 139  | 149133   | 40.287 | ng    | 100      |
| 27) 2,4-Dimethylphenol        | 7.810  | 122  | 185514   | 41.885 | ng    | 100      |
| 28) bis(2-Chloroethoxy)met... | 7.904  | 93   | 328053   | 39.946 | ng    | 100      |
| 29) 2,4-Dichlorophenol        | 8.016  | 162  | 233140   | 39.725 | ng    | 100      |
| 30) 1,2,4-Trichlorobenzene    | 8.098  | 180  | 261862   | 39.078 | ng    | 100      |
| 31) Naphthalene               | 8.181  | 128  | 837233   | 39.318 | ng    | 100      |
| 32) Benzoic acid              | 7.939  | 122  | 146245   | 39.450 | ng    | 100      |
| 33) 4-Chloroaniline           | 8.228  | 127  | 268662   | 42.139 | ng    | 100      |
| 34) Hexachlorobutadiene       | 8.292  | 225  | 175198   | 39.473 | ng    | 100      |
| 35) Caprolactam               | 8.604  | 113  | 74771    | 41.168 | ng    | 100      |
| 36) 4-Chloro-3-methylphenol   | 8.716  | 107  | 270395   | 41.150 | ng    | 100      |
| 37) 2-Methylnaphthalene       | 8.869  | 142  | 537039   | 39.707 | ng    | 100      |
| 38) 1-Methylnaphthalene       | 8.969  | 142  | 527387   | 39.781 | ng    | 100      |
| 40) 1,2,4,5-Tetrachloroben... | 9.033  | 216  | 263939   | 38.462 | ng    | 100      |
| 41) Hexachlorocyclopentadiene | 9.016  | 237  | 53531    | 38.833 | ng    | 100      |
| 43) 2,4,6-Trichlorophenol     | 9.151  | 196  | 171374   | 39.799 | ng    | 100      |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF112124\  
 Data File : BF140532.D  
 Acq On : 21 Nov 2024 12:58  
 Operator : RC/JU  
 Sample : SSTDICCC040  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDICCC040

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 11/22/2024  
 Supervised By :mohammad ahmed 11/27/2024

Quant Time: Nov 21 15:12:33 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF112124.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Nov 21 14:50:10 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.192  | 196  | 189287   | 40.504 | ng    | 100      |
| 46) 1,1'-Biphenyl             | 9.333  | 154  | 678172   | 38.750 | ng    | 100      |
| 47) 2-Chloronaphthalene       | 9.357  | 162  | 518320   | 39.086 | ng    | 100      |
| 48) 2-Nitroaniline            | 9.457  | 65   | 172005   | 40.410 | ng    | 100      |
| 49) Acenaphthylene            | 9.775  | 152  | 779390   | 38.899 | ng    | 100      |
| 50) Dimethylphthalate         | 9.633  | 163  | 608948   | 39.445 | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 9.698  | 165  | 140922   | 40.249 | ng    | 100      |
| 52) Acenaphthene              | 9.945  | 154  | 498119m  | 38.394 | ng    |          |
| 53) 3-Nitroaniline            | 9.869  | 138  | 140859   | 41.134 | ng    | 100      |
| 54) 2,4-Dinitrophenol         | 9.980  | 184  | 65546    | 40.435 | ng    | 100      |
| 55) Dibenzofuran              | 10.122 | 168  | 760308   | 39.153 | ng    | 100      |
| 56) 4-Nitrophenol             | 10.039 | 139  | 97133    | 41.591 | ng    | 100      |
| 57) 2,4-Dinitrotoluene        | 10.104 | 165  | 189213   | 40.662 | ng    | 100      |
| 58) Fluorene                  | 10.463 | 166  | 607198   | 38.956 | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol | 10.239 | 232  | 146383   | 40.757 | ng    | 100      |
| 60) Diethylphthalate          | 10.333 | 149  | 614490   | 39.176 | ng    | 100      |
| 61) 4-Chlorophenyl-phenyle... | 10.451 | 204  | 299662   | 39.175 | ng    | 100      |
| 62) 4-Nitroaniline            | 10.486 | 138  | 146354   | 40.750 | ng    | 100      |
| 63) Azobenzene                | 10.616 | 77   | 579042   | 38.983 | ng    | 100      |
| 65) 4,6-Dinitro-2-methylph... | 10.516 | 198  | 96120    | 42.998 | ng    | 100      |
| 66) n-Nitrosodiphenylamine    | 10.575 | 169  | 505450   | 39.070 | ng    | 100      |
| 67) 4-Bromophenyl-phenylether | 10.945 | 248  | 174746   | 38.787 | ng    | 100      |
| 68) Hexachlorobenzene         | 11.016 | 284  | 204123   | 39.129 | ng    | 100      |
| 69) Atrazine                  | 11.098 | 200  | 122413   | 33.635 | ng    | 100      |
| 70) Pentachlorophenol         | 11.210 | 266  | 101542   | 44.226 | ng    | 100      |
| 71) Phenanthrene              | 11.427 | 178  | 826269   | 39.293 | ng    | 100      |
| 72) Anthracene                | 11.480 | 178  | 808988   | 39.329 | ng    | 100      |
| 73) Carbazole                 | 11.639 | 167  | 778112   | 39.322 | ng    | 100      |
| 74) Di-n-butylphthalate       | 11.957 | 149  | 895236   | 39.186 | ng    | 100      |
| 75) Fluoranthene              | 12.621 | 202  | 886900   | 38.845 | ng    | 100      |
| 77) Benzidine                 | 12.739 | 184  | 275047   | 39.525 | ng    | 100      |
| 78) Pyrene                    | 12.851 | 202  | 887193   | 40.090 | ng    | 100      |
| 80) Butylbenzylphthalate      | 13.463 | 149  | 324879   | 40.751 | ng    | 100      |
| 81) Benzo(a)anthracene        | 14.039 | 228  | 615808   | 38.868 | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine    | 13.998 | 252  | 197667   | 41.554 | ng    | 100      |
| 83) Chrysene                  | 14.080 | 228  | 575079   | 39.696 | ng    | 100      |
| 84) Bis(2-ethylhexyl)phtha... | 14.015 | 149  | 398677   | 39.604 | ng    | 100      |
| 85) Di-n-octyl phthalate      | 14.633 | 149  | 541933   | 39.393 | ng    | 100      |
| 87) Indeno(1,2,3-cd)pyrene    | 17.051 | 276  | 551596   | 40.034 | ng    | 100      |
| 88) Benzo(b)fluoranthene      | 15.104 | 252  | 501607   | 37.772 | ng    | 100      |
| 89) Benzo(k)fluoranthene      | 15.133 | 252  | 465620   | 40.067 | ng    | 100      |
| 90) Benzo(a)pyrene            | 15.474 | 252  | 425894   | 39.444 | ng    | 100      |
| 91) Dibenzo(a,h)anthracene    | 17.062 | 278  | 451597   | 40.022 | ng    | 100      |
| 92) Benzo(g,h,i)perylene      | 17.509 | 276  | 458972   | 39.861 | ng    | 100      |

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

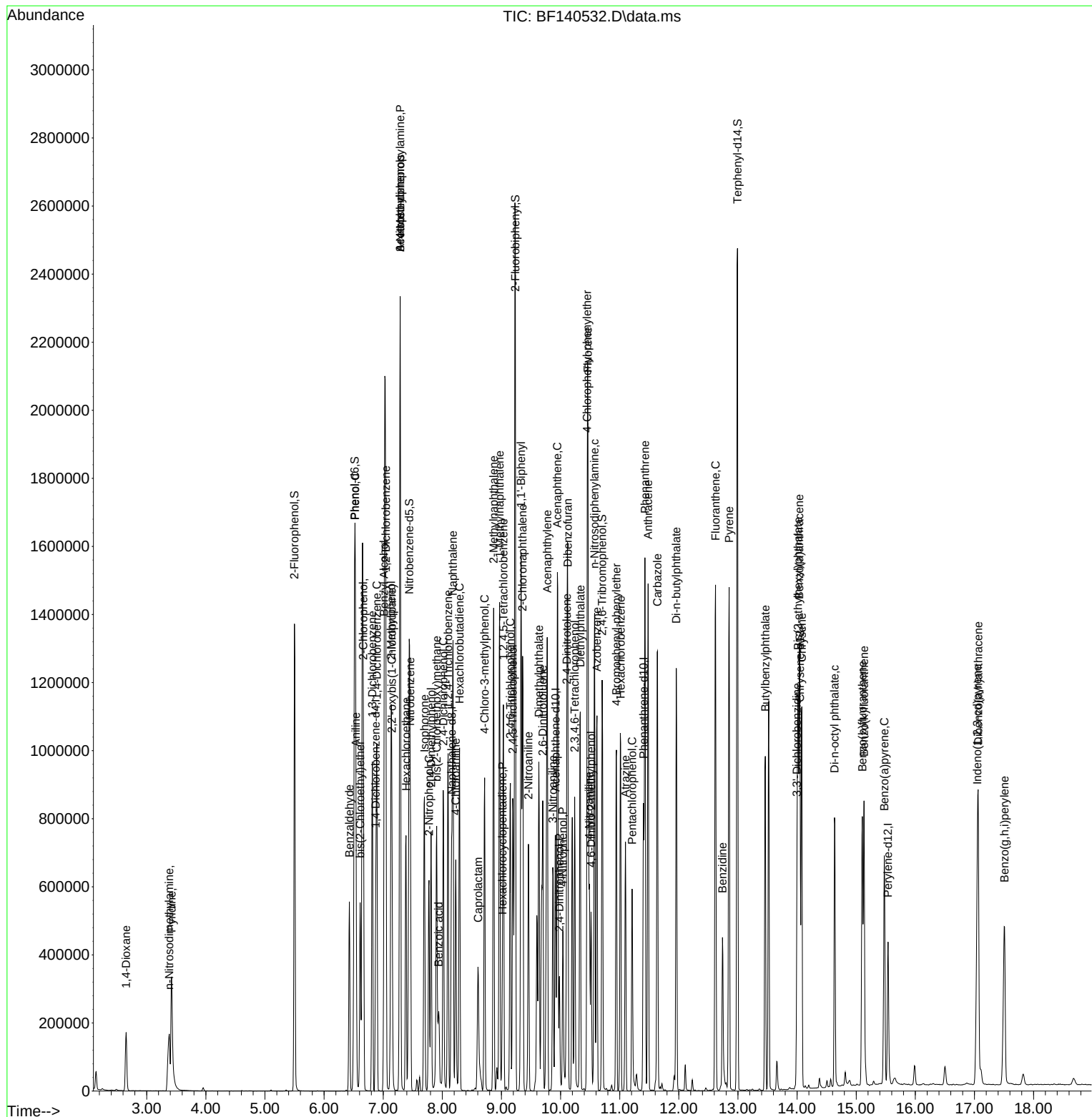
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Data File : BF140532.D  
Acq On : 21 Nov 2024 12:58  
Operator : RC/JU  
Sample : SSTDICCC040  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

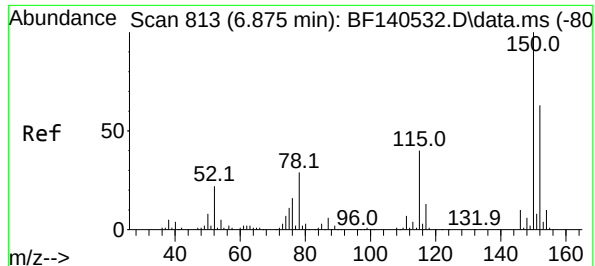
**Instrument :**  
BNA\_F  
**ClientSampleId :**  
SSTDICCC040

## Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024

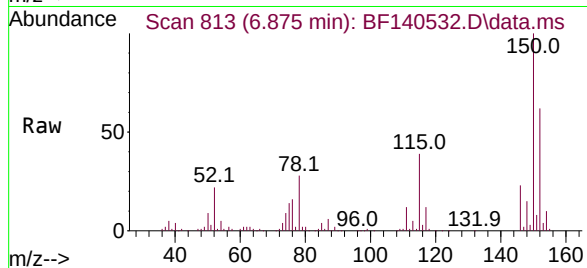
Quant Time: Nov 21 15:12:33 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF112124.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Nov 21 14:50:10 2024  
Response via : Initial Calibration





#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.875 min Scan# 813  
Delta R.T. -0.000 min  
Lab File: BF140532.D  
Acq: 21 Nov 2024 12:58

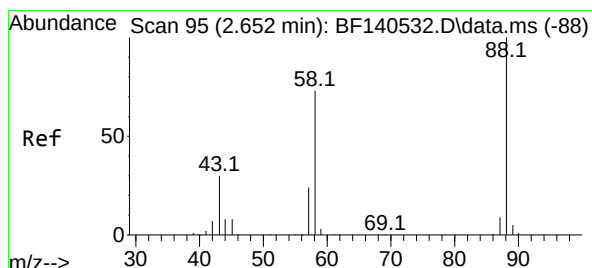
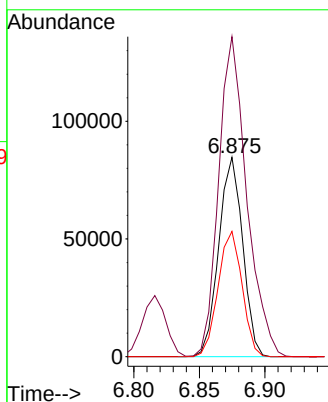
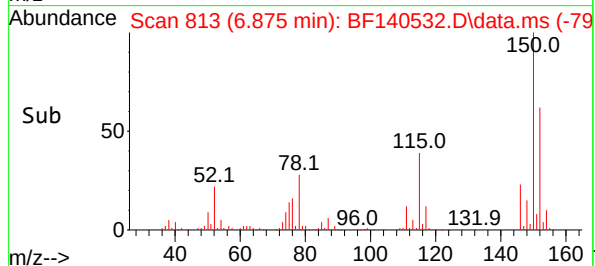
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICCC040



Tgt Ion:152 Resp: 107510  
Ion Ratio Lower Upper  
152 100  
150 160.6 128.5 192.7  
115 62.8 50.2 75.4

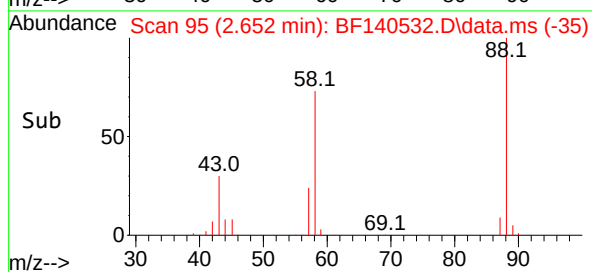
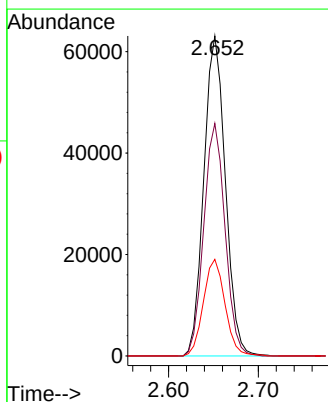
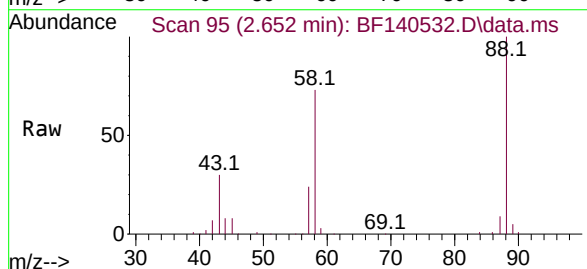
Manual Integrations  
APPROVED

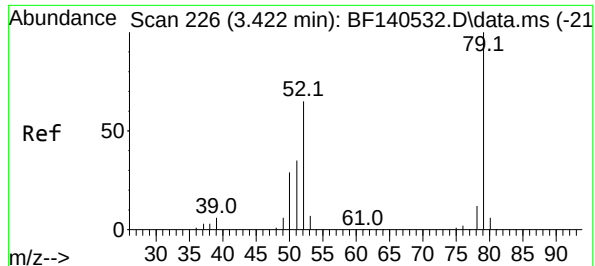
Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024



#2  
1,4-Dioxane  
Concen: 39.700 ng  
RT: 2.652 min Scan# 95  
Delta R.T. 0.000 min  
Lab File: BF140532.D  
Acq: 21 Nov 2024 12:58

Tgt Ion: 88 Resp: 105183  
Ion Ratio Lower Upper  
88 100  
58 71.8 57.4 86.2  
43 30.4 24.3 36.5





#3

Pyridine

Concen: 43.959 ng

RT: 3.422 min Scan# 219

Delta R.T. 0.000 min

Lab File: BF140532.D

Acq: 21 Nov 2024 12:58

Instrument :

BNA\_F

ClientSampleId :

SSTDICCC040

Tgt Ion: 79 Resp: 25625

Ion Ratio Lower Upper

79 100

52 65.1 52.1 78.1

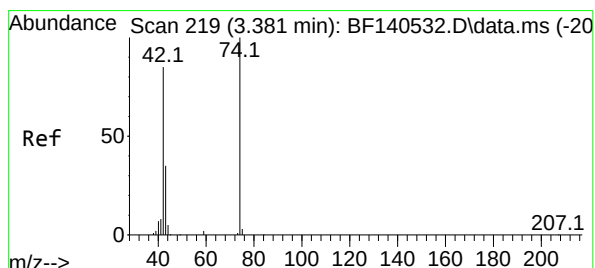
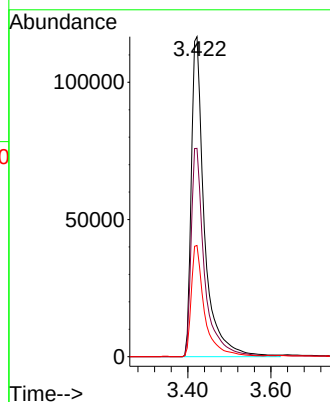
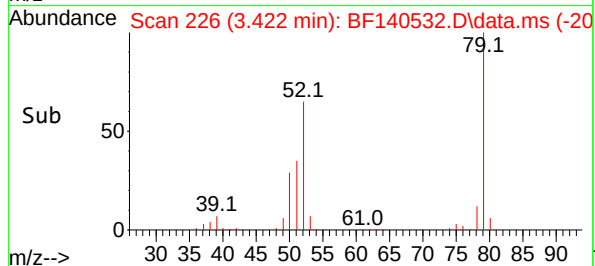
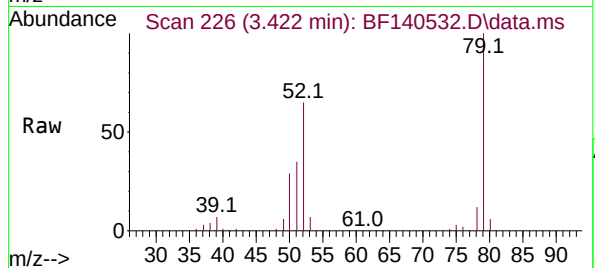
51 34.8 27.8 41.8

Manual Integrations

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Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/27/2024



#4

n-Nitrosodimethylamine

Concen: 40.698 ng

RT: 3.381 min Scan# 219

Delta R.T. 0.000 min

Lab File: BF140532.D

Acq: 21 Nov 2024 12:58

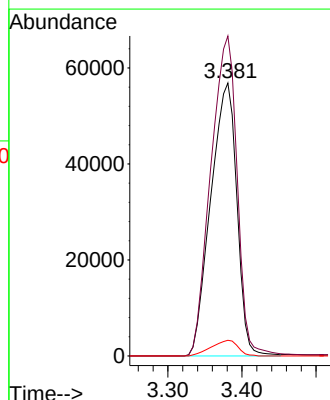
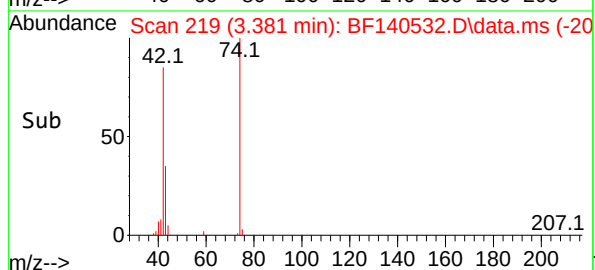
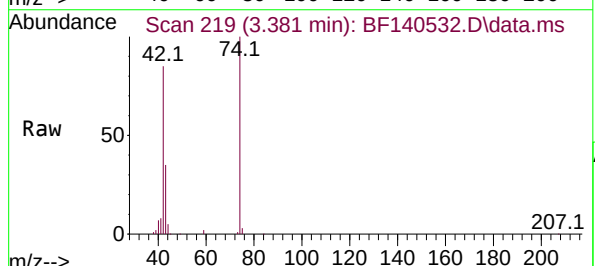
Tgt Ion: 42 Resp: 139435

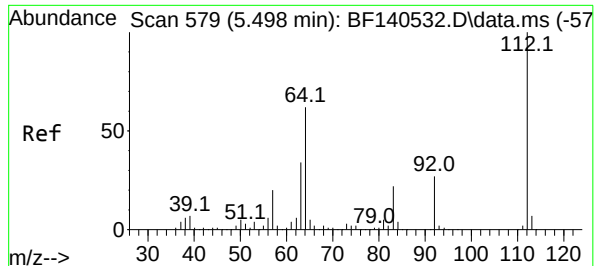
Ion Ratio Lower Upper

42 100

74 117.2 93.8 140.6

44 5.7 4.6 6.8





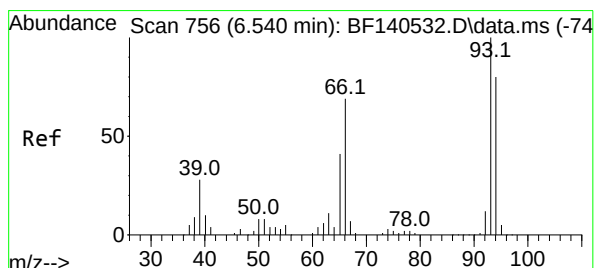
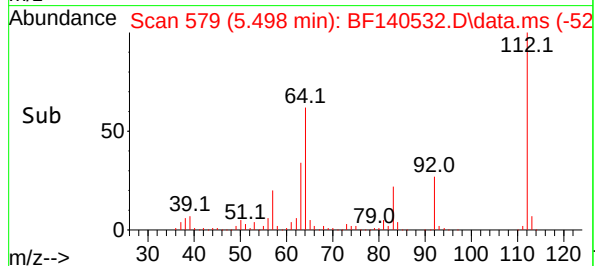
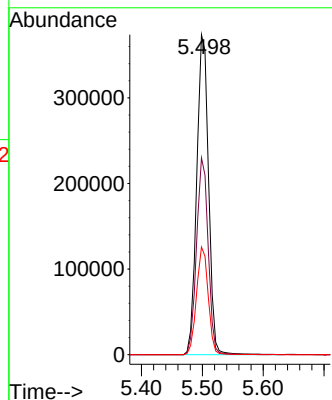
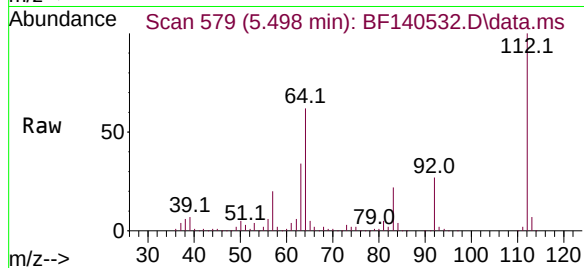
#5  
2-Fluorophenol  
Concen: 80.111 ng  
RT: 5.498 min Scan# 51  
Delta R.T. 0.000 min  
Lab File: BF140532.D  
Acq: 21 Nov 2024 12:58

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICCC040

Tgt Ion:112 Resp: 504810  
Ion Ratio Lower Upper  
112 100  
64 61.5 49.2 73.8  
63 33.7 27.0 40.4

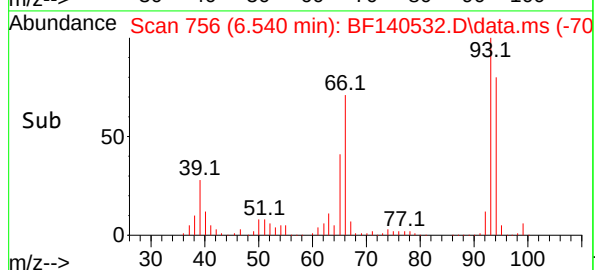
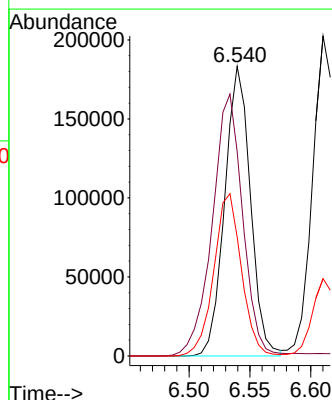
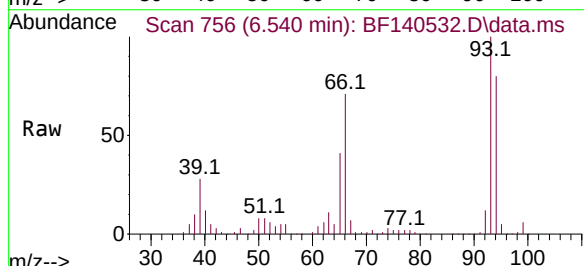
Manual Integrations  
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Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024

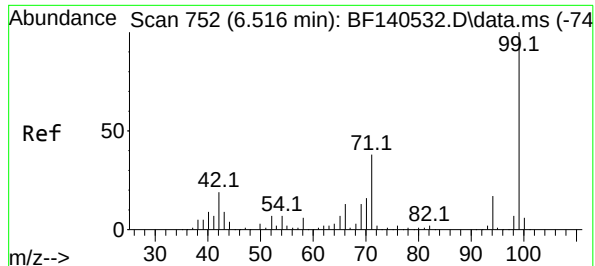


#6  
Aniline  
Concen: 45.875 ng  
RT: 6.540 min Scan# 756  
Delta R.T. 0.000 min  
Lab File: BF140532.D  
Acq: 21 Nov 2024 12:58

Tgt Ion: 93 Resp: 268994  
Ion Ratio Lower Upper  
93 100  
66 70.6 56.5 84.7  
65 41.1 32.9 49.3







#7

Phenol-d6

Concen: 82.684 ng

RT: 6.516 min Scan# 752

Delta R.T. 0.000 min

Lab File: BF140532.D

Acq: 21 Nov 2024 12:58

Instrument :

BNA\_F

ClientSampleId :

SSTDICCC040

Tgt Ion: 99 Resp: 68881

Ion Ratio Lower Upper

99 100

42 19.2 15.4 23.0

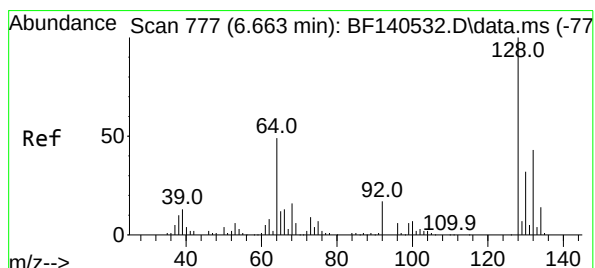
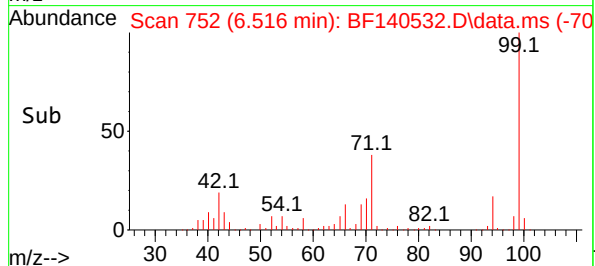
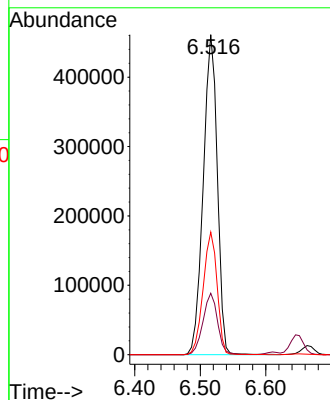
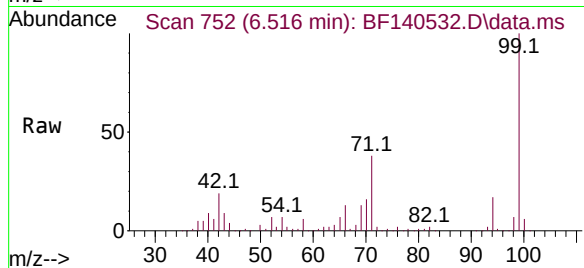
71 38.3 30.6 46.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/27/2024



#8

2-Chlorophenol

Concen: 40.702 ng

RT: 6.663 min Scan# 777

Delta R.T. 0.000 min

Lab File: BF140532.D

Acq: 21 Nov 2024 12:58

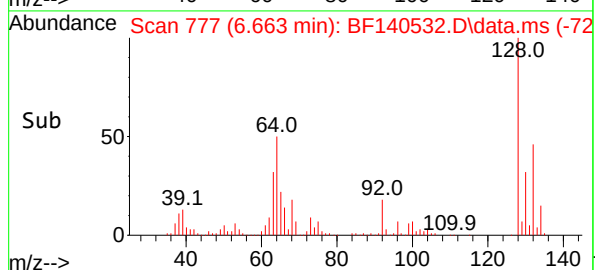
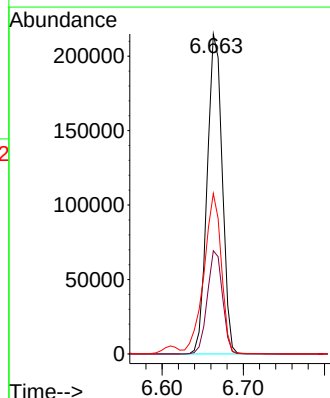
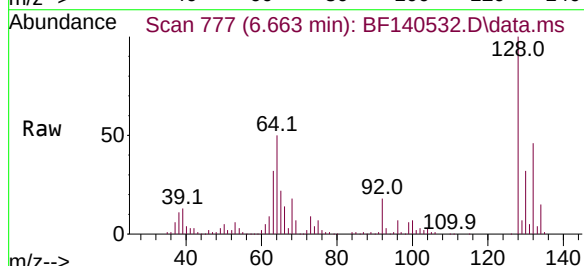
Tgt Ion:128 Resp: 275937

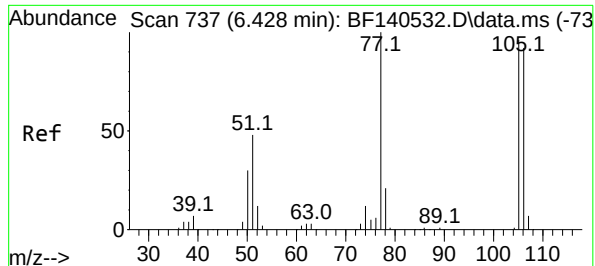
Ion Ratio Lower Upper

128 100

130 32.3 12.3 52.3

64 50.2 30.2 70.2





#9

Benzaldehyde

Concen: 35.975 ng

RT: 6.428 min Scan# 71

Delta R.T. -0.000 min

Lab File: BF140532.D

Acq: 21 Nov 2024 12:58

Instrument :

BNA\_F

ClientSampleId :

SSTDICCC040

Tgt Ion: 77 Resp: 15865

Ion Ratio Lower Upper

77 100

105 95.6 75.6 115.6

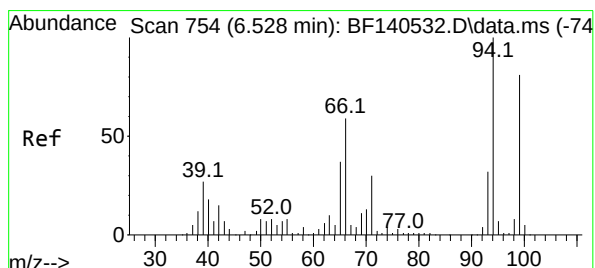
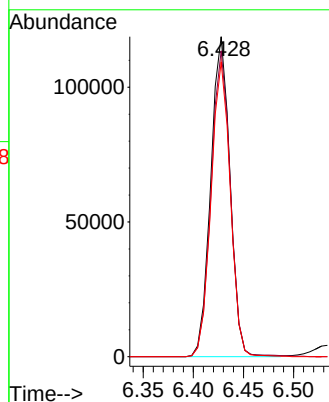
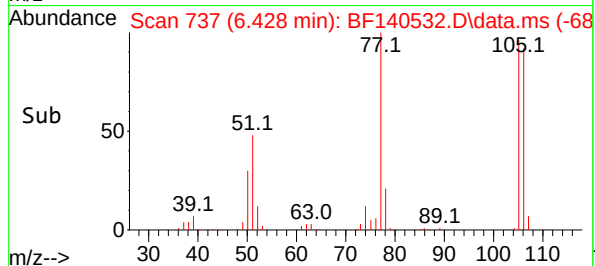
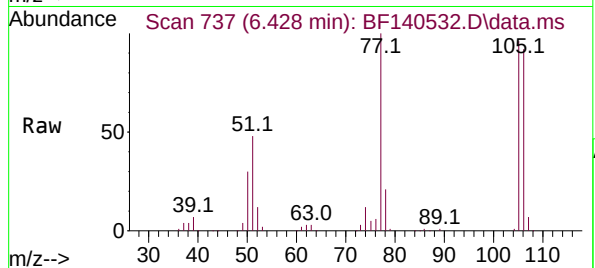
106 92.0 72.0 112.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/27/2024



#10

Phenol

Concen: 42.137 ng

RT: 6.528 min Scan# 754

Delta R.T. 0.000 min

Lab File: BF140532.D

Acq: 21 Nov 2024 12:58

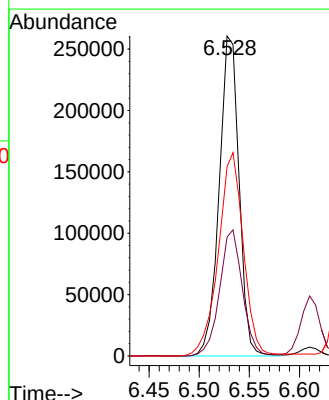
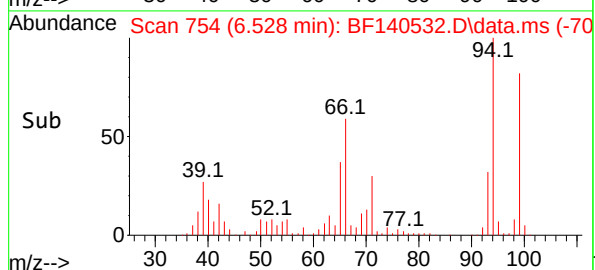
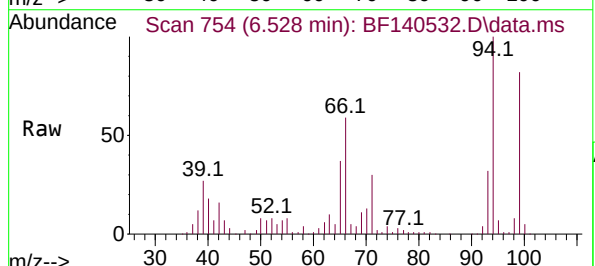
Tgt Ion: 94 Resp: 358490

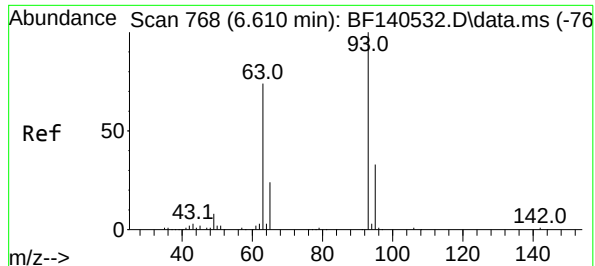
Ion Ratio Lower Upper

94 100

65 37.2 17.2 57.2

66 59.2 39.2 79.2





#11

bis(2-Chloroethyl)ether

Concen: 41.142 ng

RT: 6.610 min Scan# 768

Delta R.T. 0.000 min

Lab File: BF140532.D

Acq: 21 Nov 2024 12:58

Instrument :

BNA\_F

ClientSampleId :

SSTDICCC040

Tgt Ion: 93 Resp: 26784

Ion Ratio Lower Upper

93 100

63 72.8 52.8 92.8

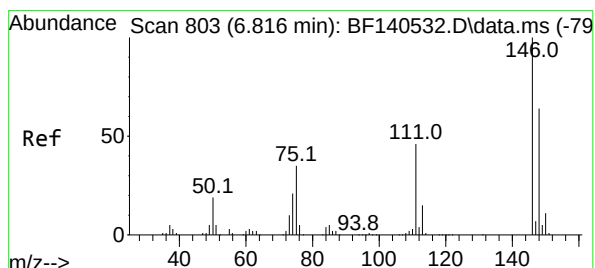
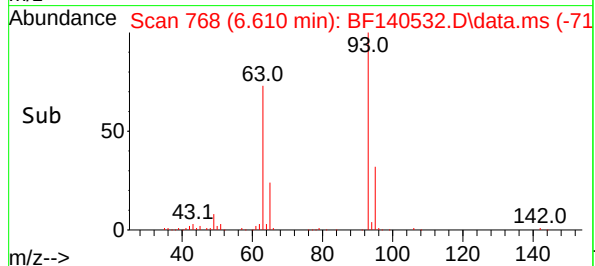
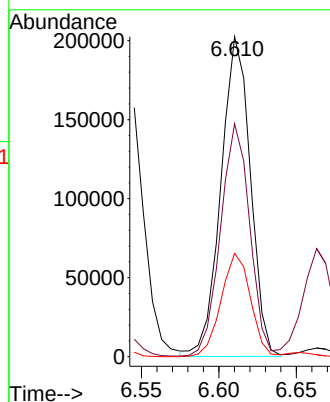
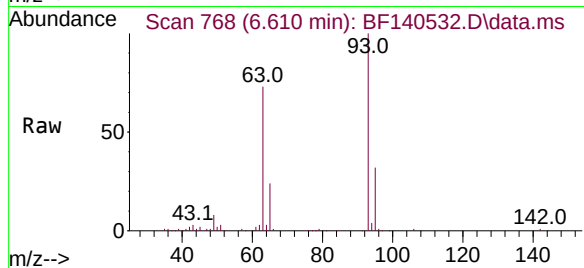
95 32.3 12.3 52.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/27/2024



#12

1,3-Dichlorobenzene

Concen: 39.480 ng

RT: 6.816 min Scan# 803

Delta R.T. 0.000 min

Lab File: BF140532.D

Acq: 21 Nov 2024 12:58

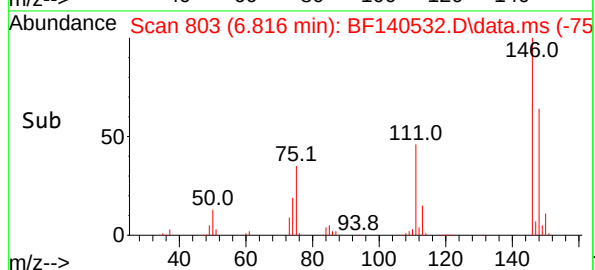
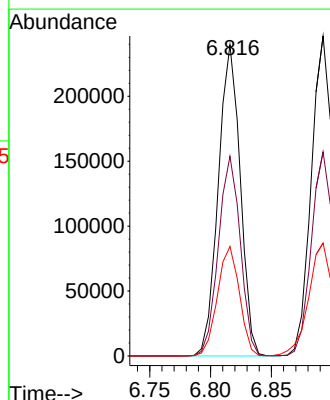
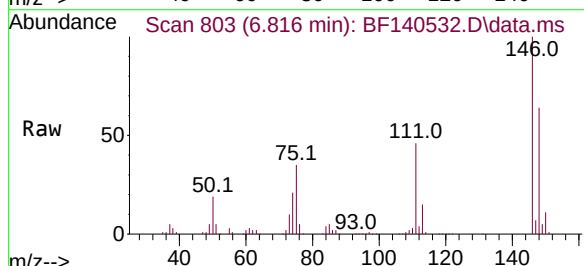
Tgt Ion:146 Resp: 300744

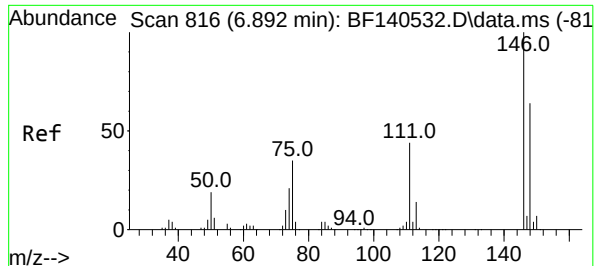
Ion Ratio Lower Upper

146 100

148 64.1 51.3 76.9

75 35.2 28.2 42.2





#13

1,4-Dichlorobenzene

Concen: 39.817 ng

RT: 6.892 min Scan# 816

Delta R.T. 0.000 min

Lab File: BF140532.D

Acq: 21 Nov 2024 12:58

Instrument :

BNA\_F

ClientSampleId :

SSTDICCC040

Tgt Ion:146 Resp: 30711

Ion Ratio Lower Upper

146 100

148 63.8 51.0 76.6

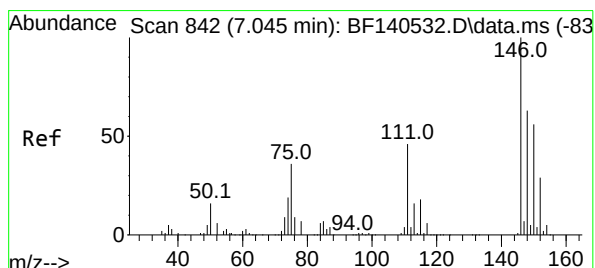
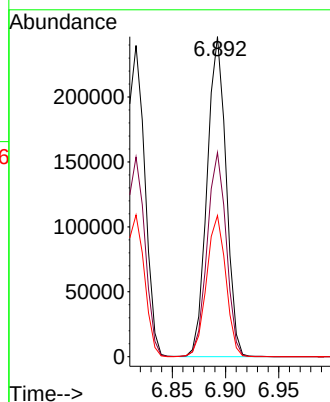
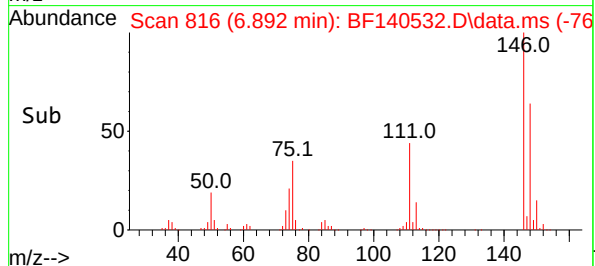
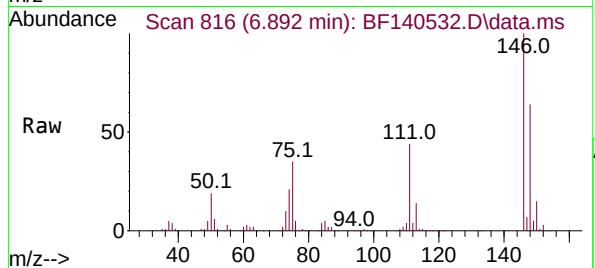
111 44.1 35.3 52.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/27/2024



#14

1,2-Dichlorobenzene

Concen: 40.311 ng

RT: 7.045 min Scan# 842

Delta R.T. 0.000 min

Lab File: BF140532.D

Acq: 21 Nov 2024 12:58

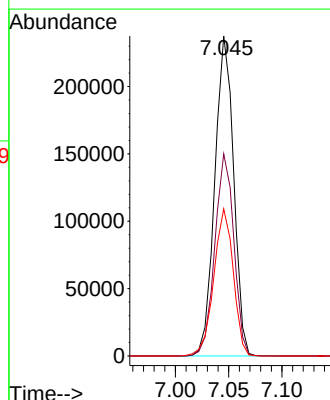
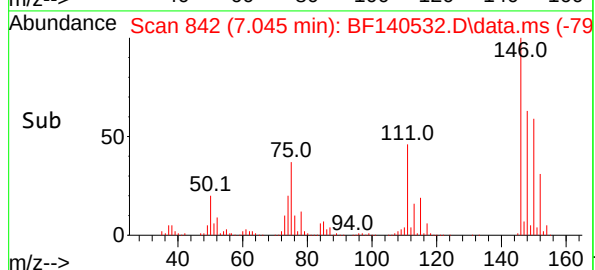
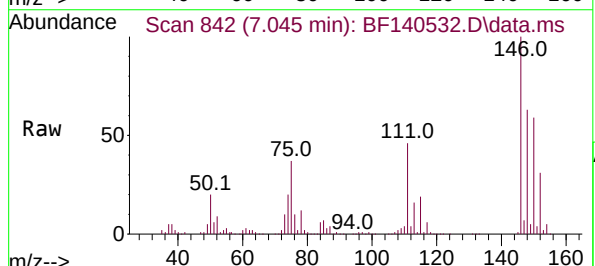
Tgt Ion:146 Resp: 291347

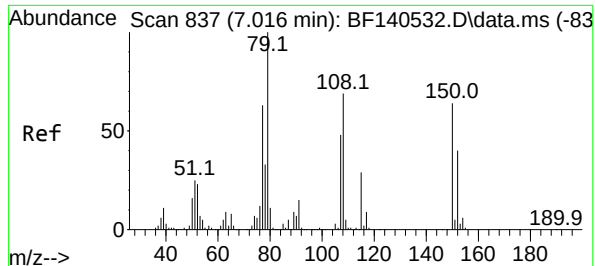
Ion Ratio Lower Upper

146 100

148 63.1 50.5 75.7

111 45.9 36.7 55.1





#15

Benzyl Alcohol

Concen: 42.594 ng

RT: 7.016 min Scan# 81

Delta R.T. 0.000 min

Lab File: BF140532.D

Acq: 21 Nov 2024 12:58

Instrument :

BNA\_F

ClientSampleId :

SSTDICCC040

Tgt Ion: 79 Resp: 263144

Ion Ratio Lower Upper

79 100

108 68.8 55.0 82.6

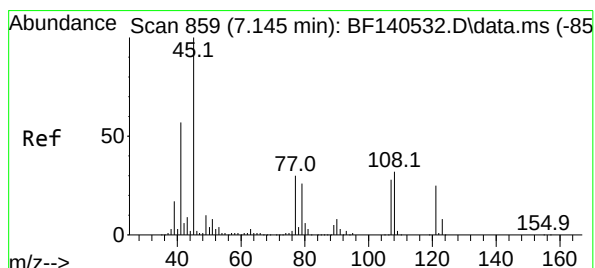
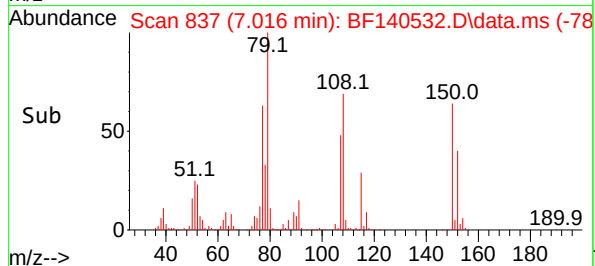
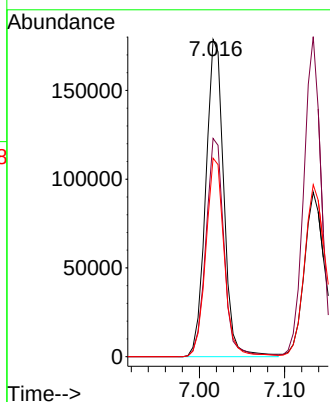
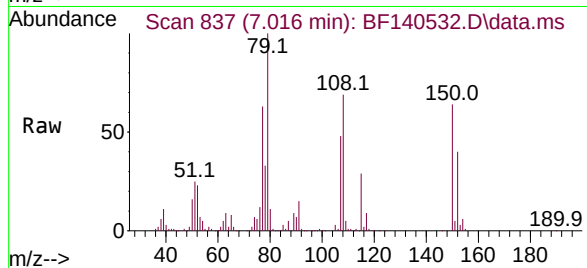
77 62.6 50.1 75.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/27/2024



#16

2,2'-oxybis(1-Chloropropane)

Concen: 40.901 ng

RT: 7.145 min Scan# 859

Delta R.T. 0.000 min

Lab File: BF140532.D

Acq: 21 Nov 2024 12:58

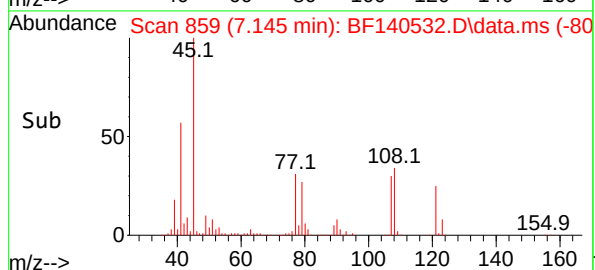
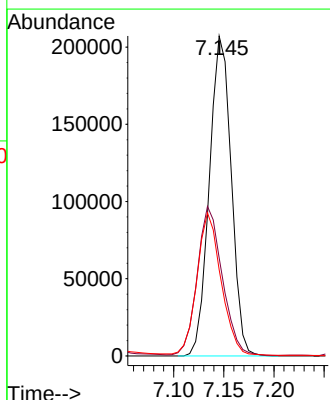
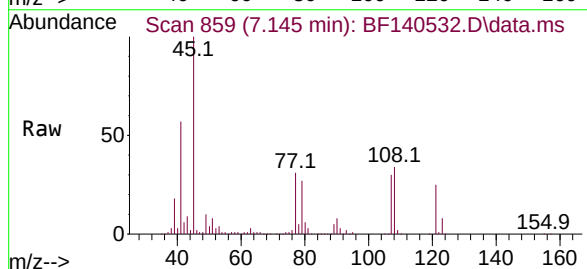
Tgt Ion: 45 Resp: 314582

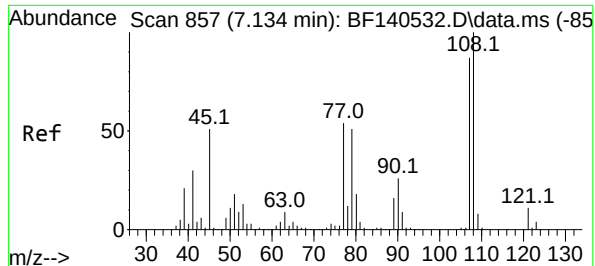
Ion Ratio Lower Upper

45 100

77 30.7 10.7 50.7

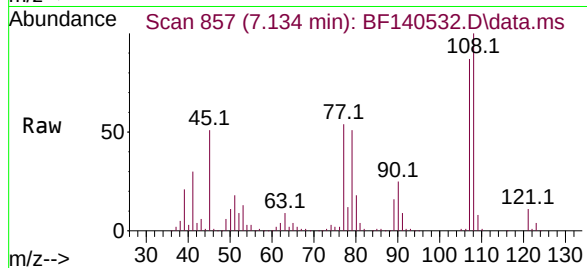
79 27.0 7.0 47.0





#17  
2-Methylphenol  
Concen: 41.272 ng  
RT: 7.134 min Scan# 857  
Delta R.T. 0.000 min  
Lab File: BF140532.D  
Acq: 21 Nov 2024 12:58

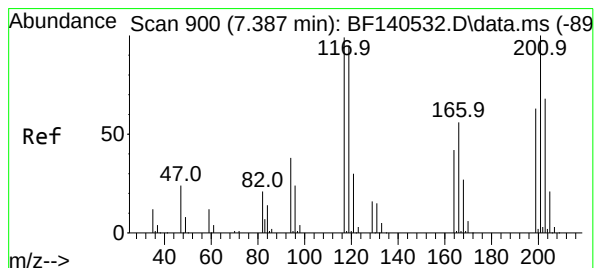
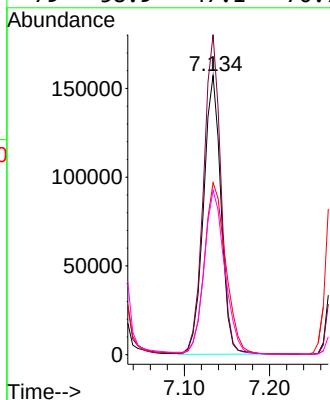
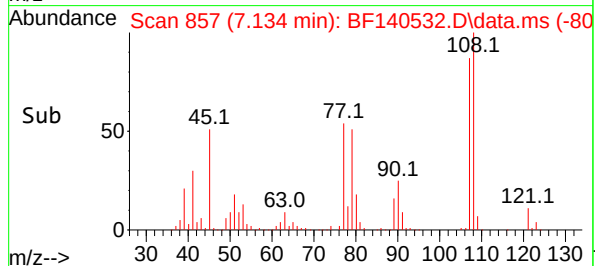
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICCC040



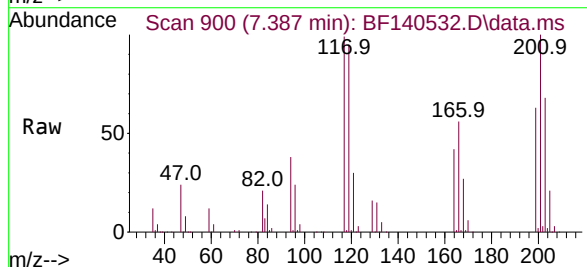
Tgt Ion:107 Resp: 22397  
Ion Ratio Lower Upper  
107 100  
108 114.6 91.7 137.5  
77 61.6 49.3 73.9  
79 58.9 47.1 70.7

Manual Integrations  
APPROVED

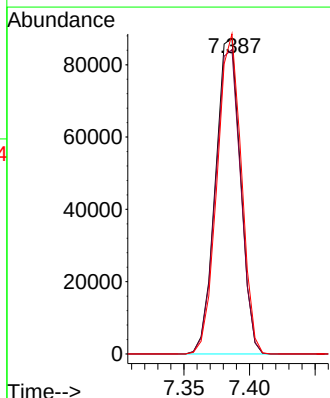
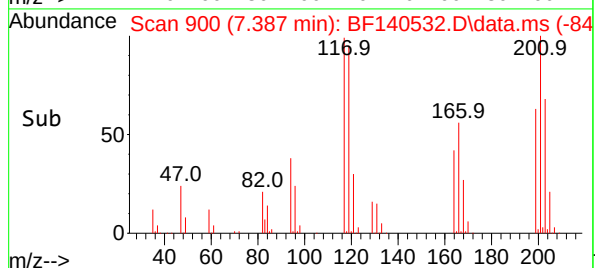
Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024

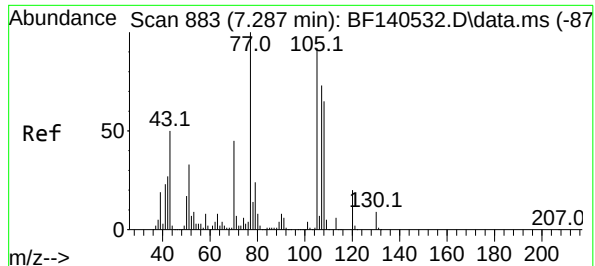


#18  
Hexachloroethane  
Concen: 40.087 ng  
RT: 7.387 min Scan# 900  
Delta R.T. 0.000 min  
Lab File: BF140532.D  
Acq: 21 Nov 2024 12:58



Tgt Ion:117 Resp: 115481  
Ion Ratio Lower Upper  
117 100  
119 96.4 77.1 115.7  
201 101.4 81.1 121.7





#19

n-Nitroso-di-n-propylamine

Concen: 41.304 ng

RT: 7.287 min Scan# 883

Delta R.T. 0.000 min

Lab File: BF140532.D

Acq: 21 Nov 2024 12:58

Instrument :

BNA\_F

ClientSampleId :

SSTDICCC040

Tgt Ion: 70 Resp: 203350

Ion Ratio Lower Upper

70 100

42 59.5 47.6 71.4

101 9.5 7.6 11.4

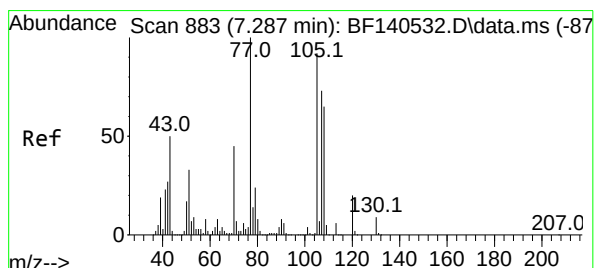
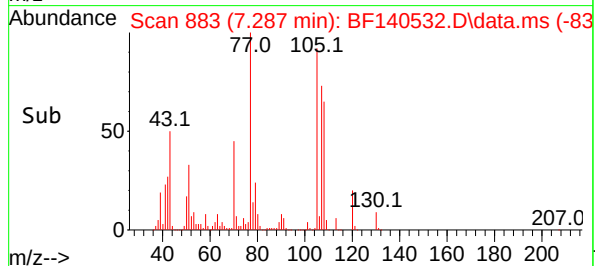
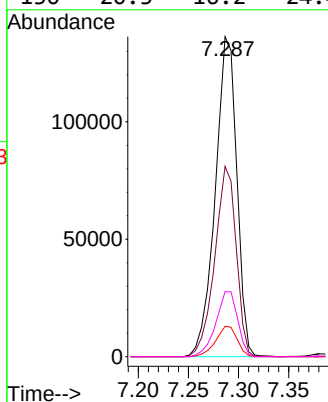
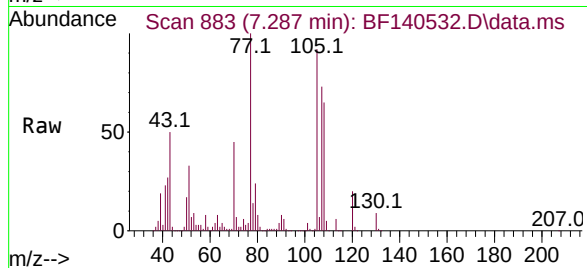
130 20.3 16.2 24.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/27/2024



#20

3+4-Methylphenols

Concen: 41.517 ng

RT: 7.287 min Scan# 883

Delta R.T. 0.000 min

Lab File: BF140532.D

Acq: 21 Nov 2024 12:58

Tgt Ion:107 Resp: 289597

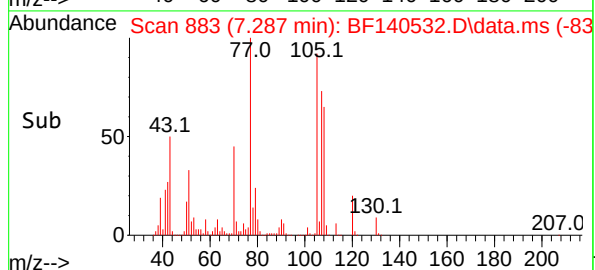
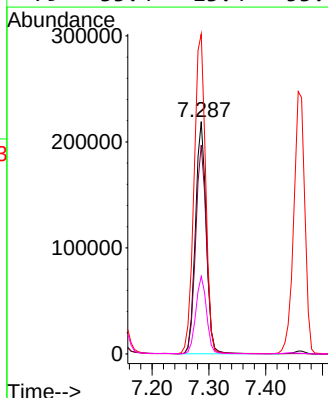
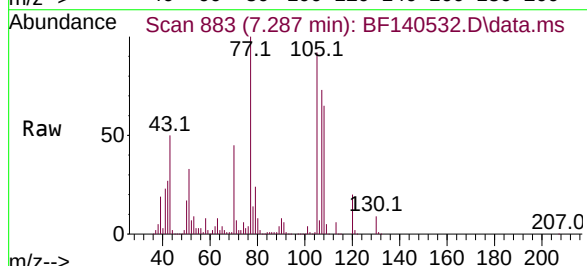
Ion Ratio Lower Upper

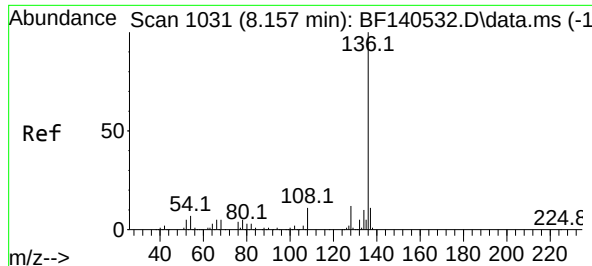
107 100

108 89.9 69.9 109.9

77 137.7 117.7 157.7

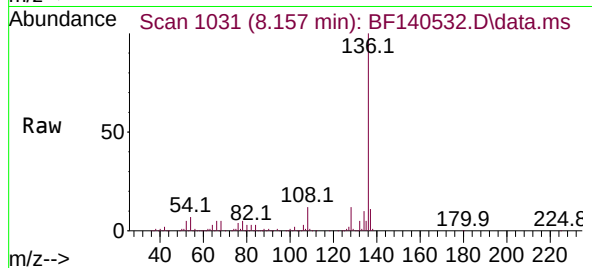
79 33.4 13.4 53.4





#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.157 min Scan# 1031  
Delta R.T. 0.000 min  
Lab File: BF140532.D  
Acq: 21 Nov 2024 12:58

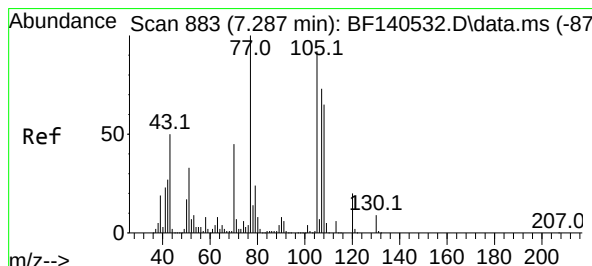
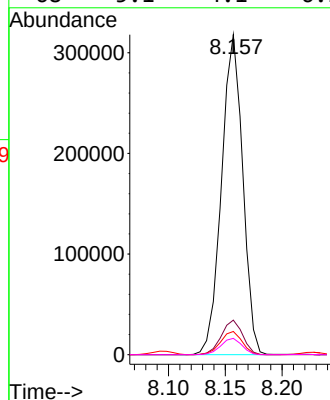
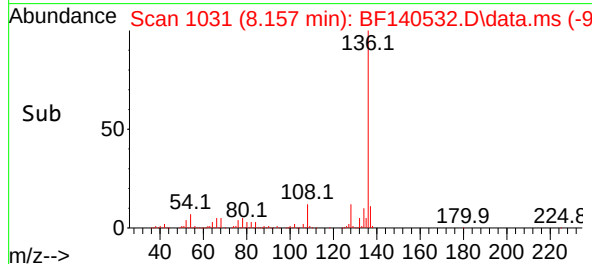
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICCC040



Tgt Ion:136 Resp: 413408  
Ion Ratio Lower Upper  
136 100  
137 10.8 8.6 13.0  
54 7.3 5.8 8.8  
68 5.1 4.1 6.1

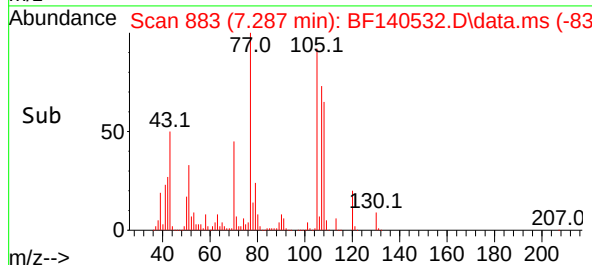
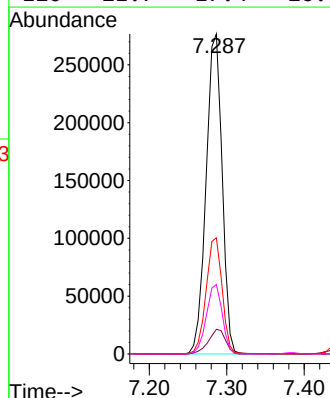
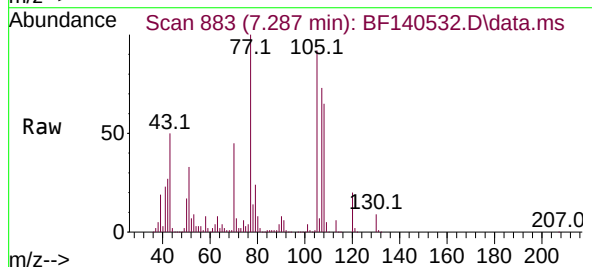
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024

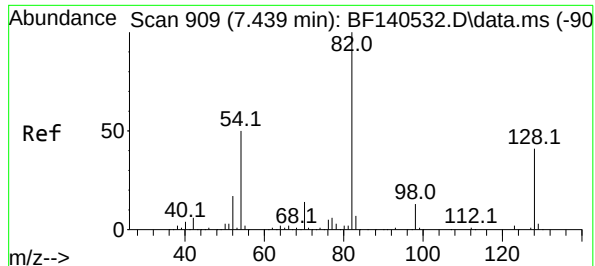


#22  
Acetophenone  
Concen: 39.464 ng  
RT: 7.287 min Scan# 883  
Delta R.T. 0.000 min  
Lab File: BF140532.D  
Acq: 21 Nov 2024 12:58

Tgt Ion:105 Resp: 397747  
Ion Ratio Lower Upper  
105 100  
71 7.7 6.2 9.2  
51 36.3 29.0 43.6  
120 21.7 17.4 26.0







#23

Nitrobenzene-d5

Concen: 80.281 ng

RT: 7.439 min Scan# 909

Delta R.T. 0.000 min

Lab File: BF140532.D

Acq: 21 Nov 2024 12:58

Instrument :

BNA\_F

ClientSampleId :

SSTDICCC040

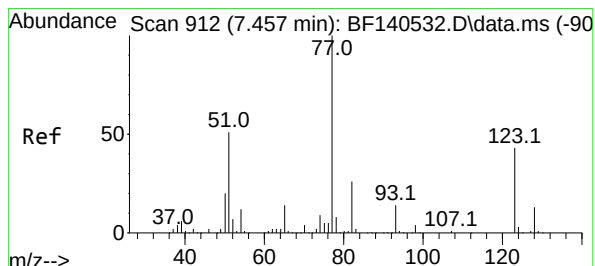
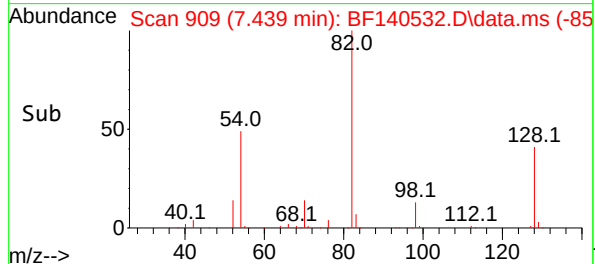
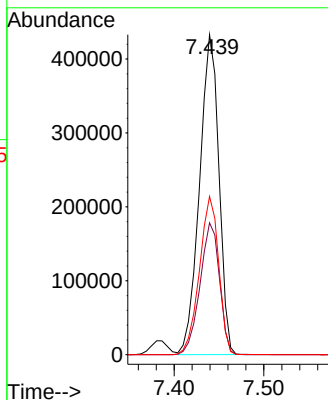
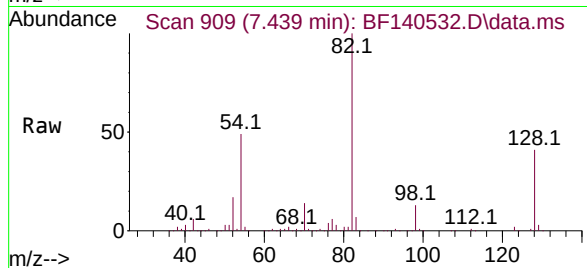
Tgt Ion: 82 Resp: 648845

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 41.2  | 33.0  | 49.4  |
| 54  | 49.4  | 39.5  | 59.3  |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024



#24

Nitrobenzene

Concen: 39.736 ng

RT: 7.457 min Scan# 912

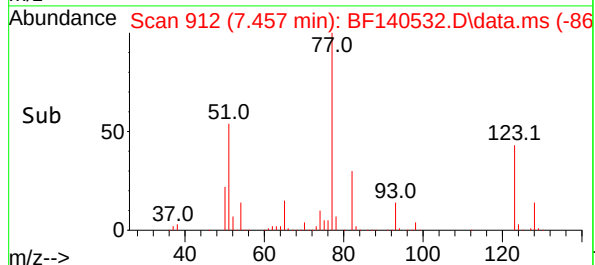
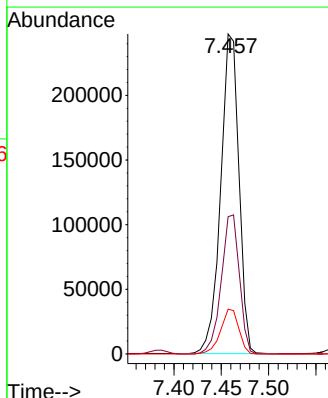
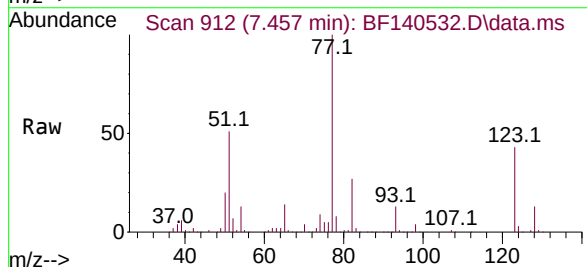
Delta R.T. 0.000 min

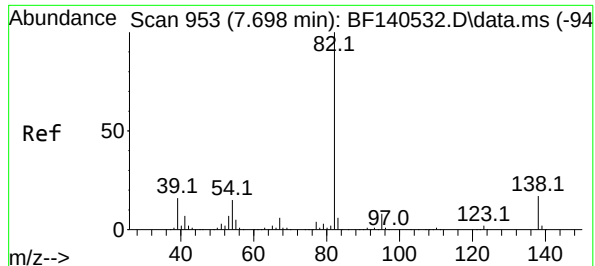
Lab File: BF140532.D

Acq: 21 Nov 2024 12:58

Tgt Ion: 77 Resp: 331927

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 77  | 100   |       |       |
| 123 | 42.9  | 34.3  | 51.5  |
| 65  | 14.0  | 11.2  | 16.8  |





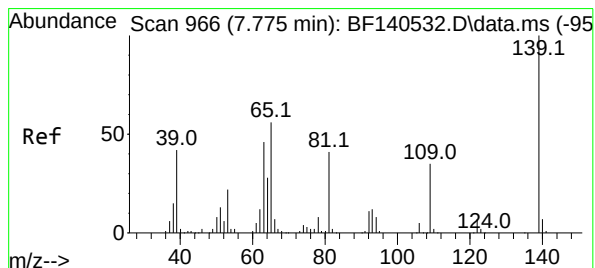
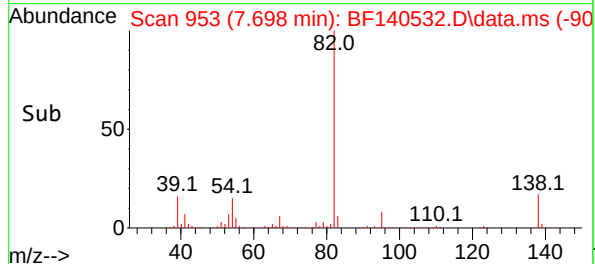
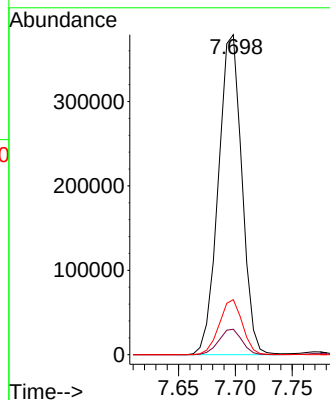
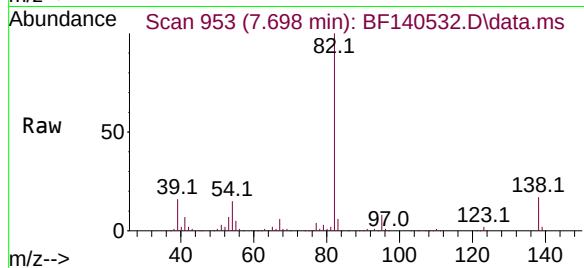
#25  
Isophorone  
Concen: 40.576 ng  
RT: 7.698 min Scan# 953  
Delta R.T. 0.000 min  
Lab File: BF140532.D  
Acq: 21 Nov 2024 12:58

Instrument :  
BNA\_F  
Client Sample Id :  
SSTDICCC040

Tgt Ion: 82 Resp: 54698  
Ion Ratio Lower Upper  
82 100  
95 8.0 6.4 9.6  
138 17.2 13.8 20.6

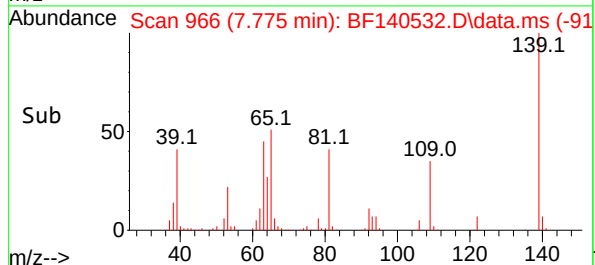
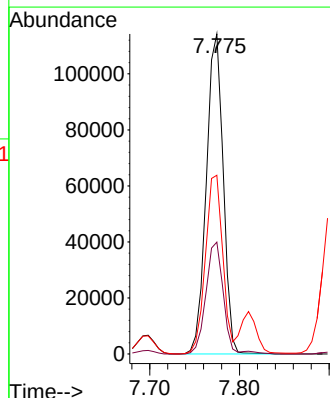
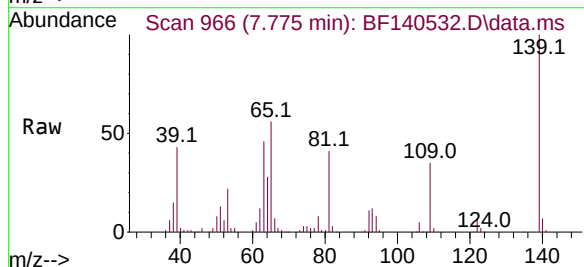
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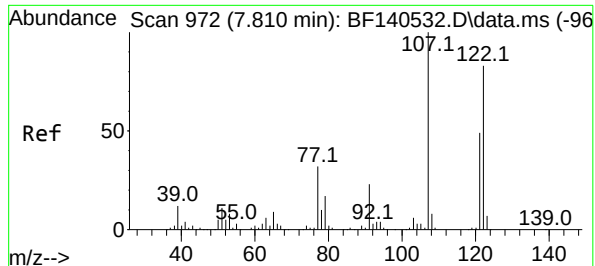
Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024



#26  
2-Nitrophenol  
Concen: 40.287 ng  
RT: 7.775 min Scan# 966  
Delta R.T. 0.000 min  
Lab File: BF140532.D  
Acq: 21 Nov 2024 12:58

Tgt Ion:139 Resp: 149133  
Ion Ratio Lower Upper  
139 100  
109 35.0 28.0 42.0  
65 55.8 44.6 67.0





#27

2,4-Dimethylphenol

Concen: 41.885 ng

RT: 7.810 min Scan# 972

Delta R.T. 0.000 min

Lab File: BF140532.D

Acq: 21 Nov 2024 12:58

Instrument :

BNA\_F

ClientSampleId :

SSTDICCC040

Tgt Ion:122 Resp: 185514

Ion Ratio Lower Upper

122 100

107 121.0 96.8 145.2

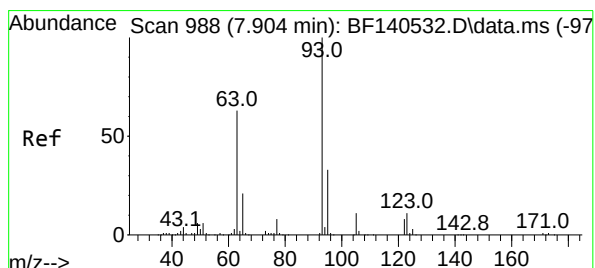
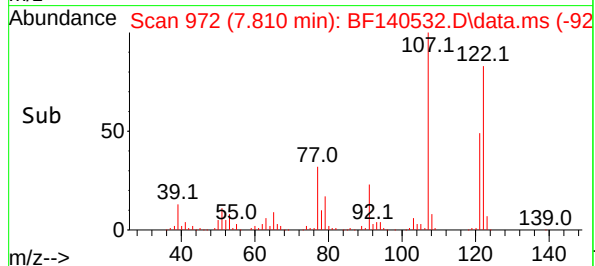
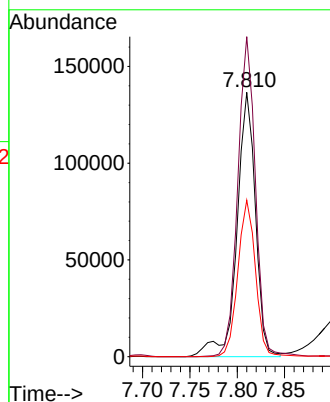
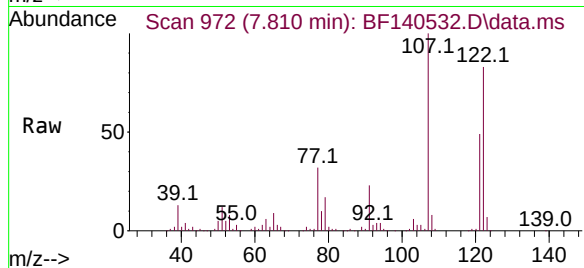
121 59.2 47.4 71.0

Manual Integrations

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Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/27/2024



#28

bis(2-Chloroethoxy)methane

Concen: 39.946 ng

RT: 7.904 min Scan# 988

Delta R.T. 0.000 min

Lab File: BF140532.D

Acq: 21 Nov 2024 12:58

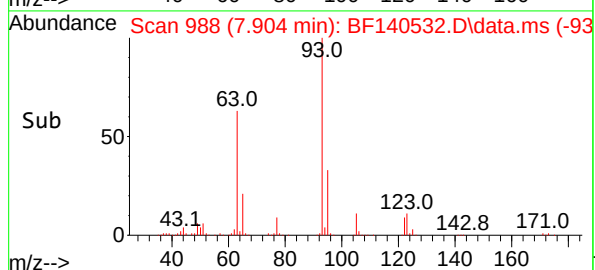
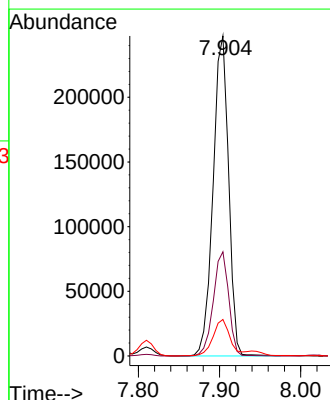
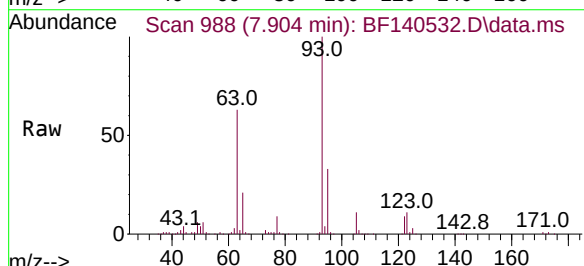
Tgt Ion: 93 Resp: 328053

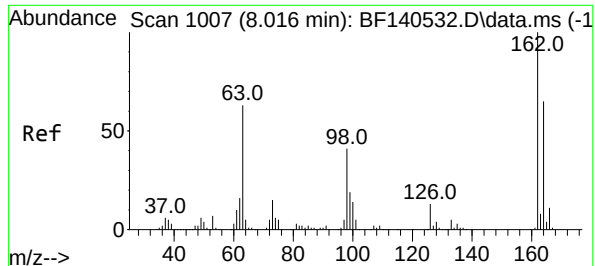
Ion Ratio Lower Upper

93 100

95 32.6 26.1 39.1

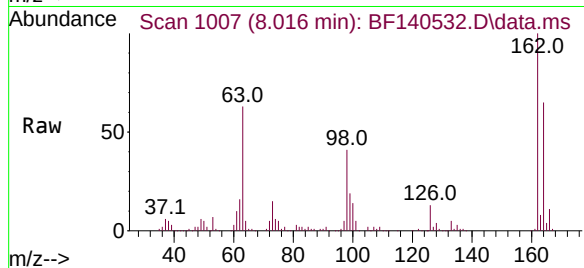
123 11.4 9.1 13.7





#29  
2,4-Dichlorophenol  
Concen: 39.725 ng  
RT: 8.016 min Scan# 1007  
Delta R.T. 0.000 min  
Lab File: BF140532.D  
Acq: 21 Nov 2024 12:58

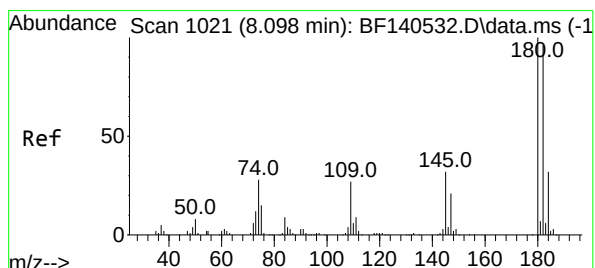
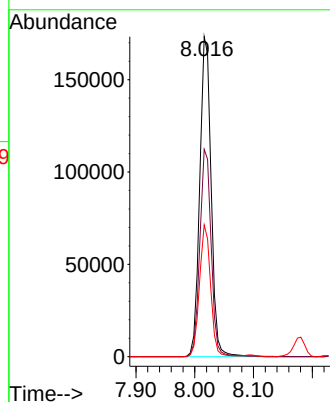
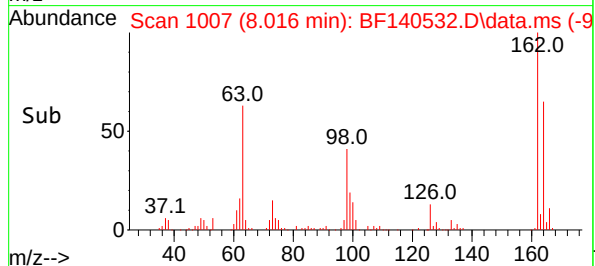
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICCC040



Tgt Ion:162 Resp: 233140  
Ion Ratio Lower Upper  
162 100  
164 64.8 44.8 84.8  
98 41.2 21.2 61.2

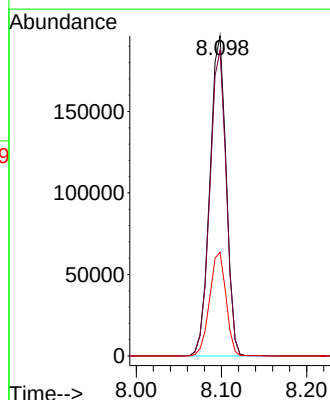
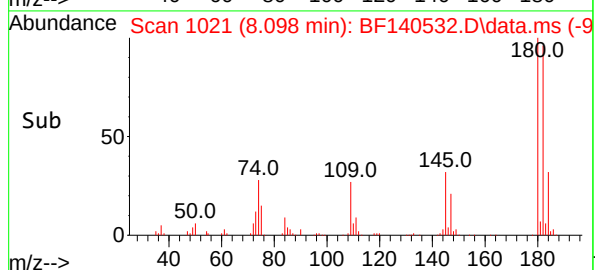
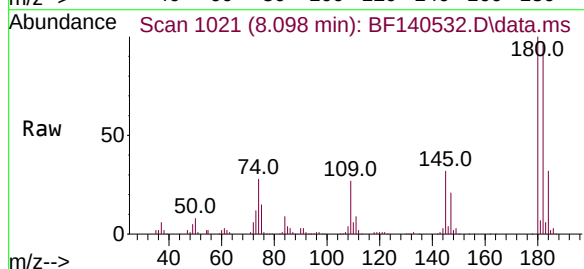
Manual Integrations  
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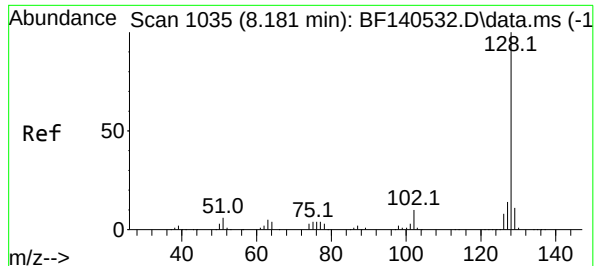
Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024



#30  
1,2,4-Trichlorobenzene  
Concen: 39.078 ng  
RT: 8.098 min Scan# 1021  
Delta R.T. 0.000 min  
Lab File: BF140532.D  
Acq: 21 Nov 2024 12:58

Tgt Ion:180 Resp: 261862  
Ion Ratio Lower Upper  
180 100  
182 95.5 76.4 114.6  
145 32.4 25.9 38.9





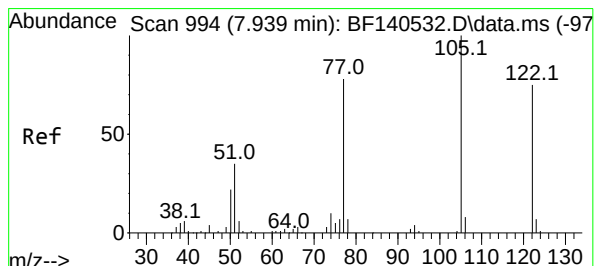
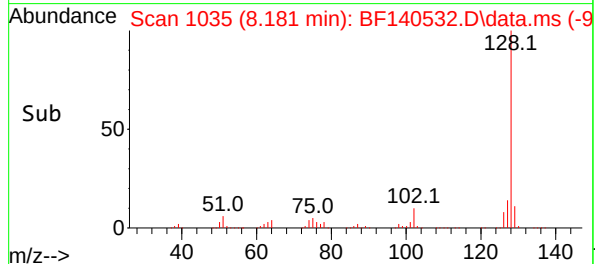
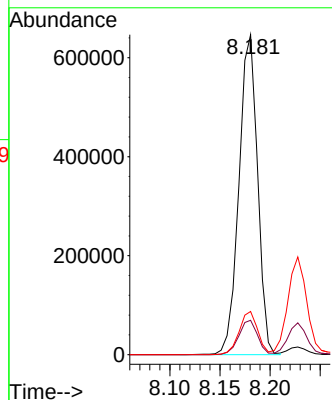
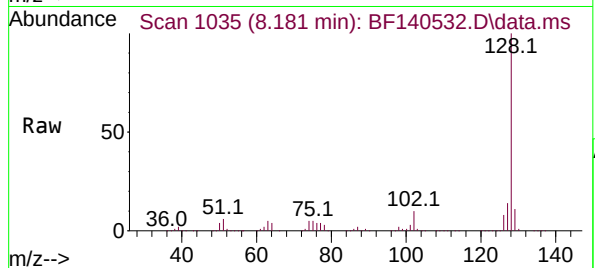
#31  
Naphthalene  
Concen: 39.318 ng  
RT: 8.181 min Scan# 1035  
Delta R.T. 0.000 min  
Lab File: BF140532.D  
Acq: 21 Nov 2024 12:58

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICCC040

Tgt Ion:128 Resp: 83723  
Ion Ratio Lower Upper  
128 100  
129 10.8 8.6 13.0  
127 13.5 10.8 16.2

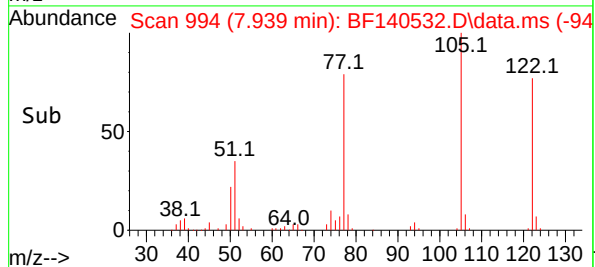
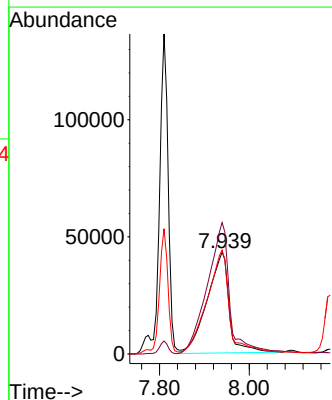
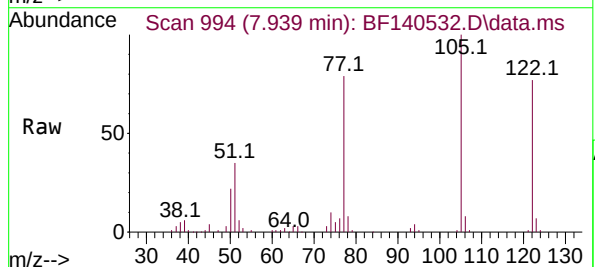
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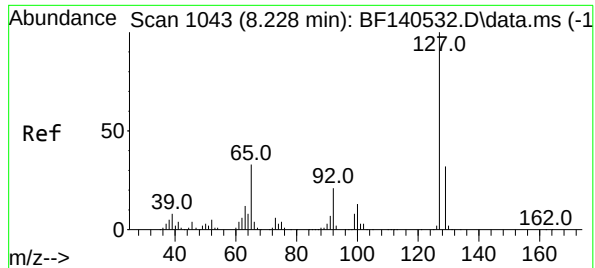
Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024



#32  
Benzoic acid  
Concen: 39.450 ng  
RT: 7.939 min Scan# 994  
Delta R.T. 0.000 min  
Lab File: BF140532.D  
Acq: 21 Nov 2024 12:58

Tgt Ion:122 Resp: 146245  
Ion Ratio Lower Upper  
122 100  
105 129.3 109.3 149.3  
77 102.3 82.3 122.3





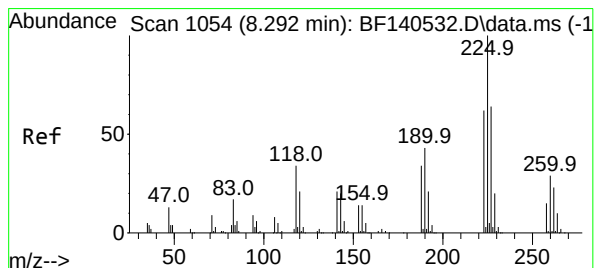
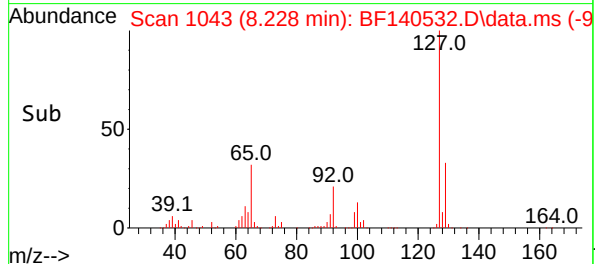
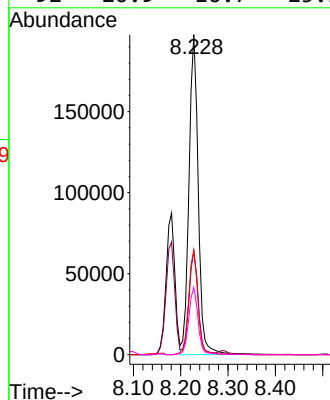
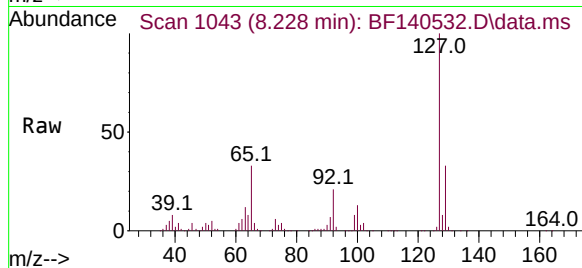
#33  
4-Chloroaniline  
Concen: 42.139 ng  
RT: 8.228 min Scan# 1043  
Delta R.T. 0.000 min  
Lab File: BF140532.D  
Acq: 21 Nov 2024 12:58

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICCC040

Tgt Ion:127 Resp: 268662  
Ion Ratio Lower Upper  
127 100  
129 32.5 26.0 39.0  
65 32.5 26.0 39.0  
92 20.9 16.7 25.1

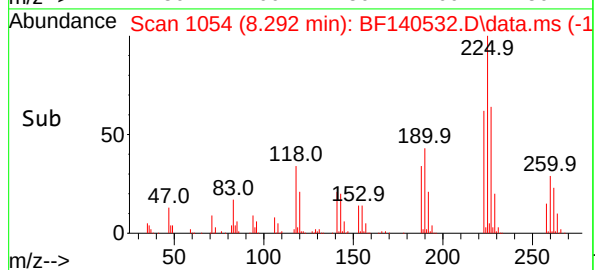
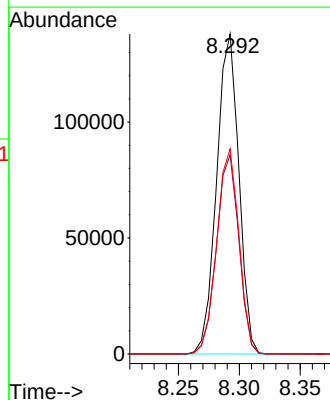
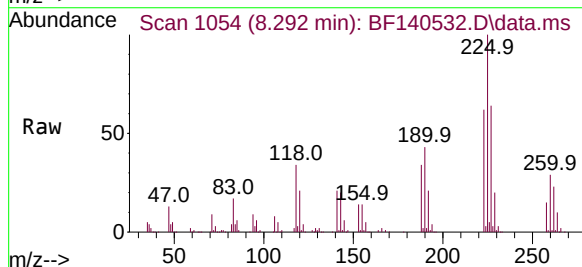
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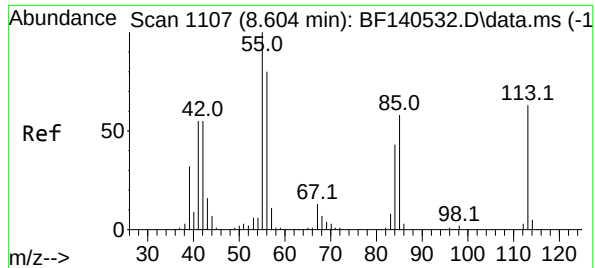
Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024



#34  
Hexachlorobutadiene  
Concen: 39.473 ng  
RT: 8.292 min Scan# 1054  
Delta R.T. 0.000 min  
Lab File: BF140532.D  
Acq: 21 Nov 2024 12:58

Tgt Ion:225 Resp: 175198  
Ion Ratio Lower Upper  
225 100  
223 62.3 49.8 74.8  
227 64.1 51.3 76.9





#35

Caprolactam

Concen: 41.168 ng

RT: 8.604 min Scan# 1107

Delta R.T. 0.000 min

Lab File: BF140532.D

Acq: 21 Nov 2024 12:58

Instrument :

BNA\_F

ClientSampleId :

SSTDICCC040

Tgt Ion:113 Resp: 7477

Ion Ratio Lower Upper

113 100

55 157.7 137.7 177.7

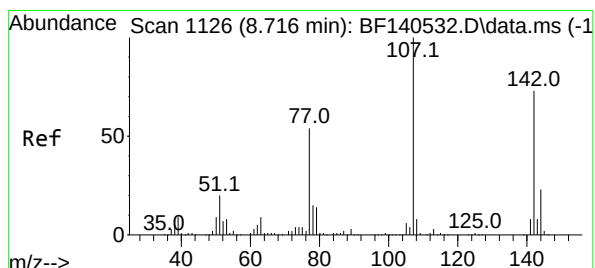
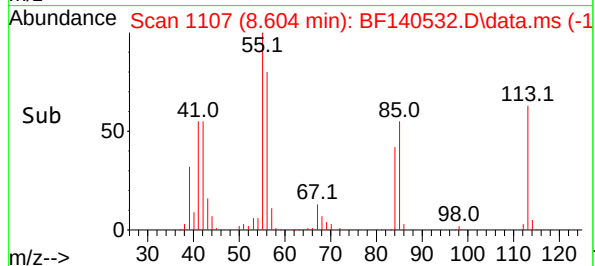
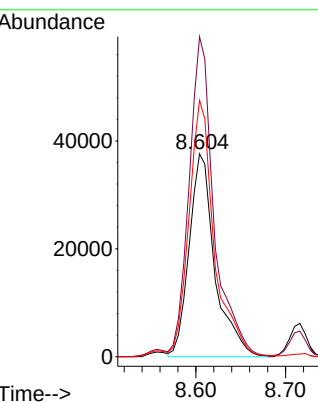
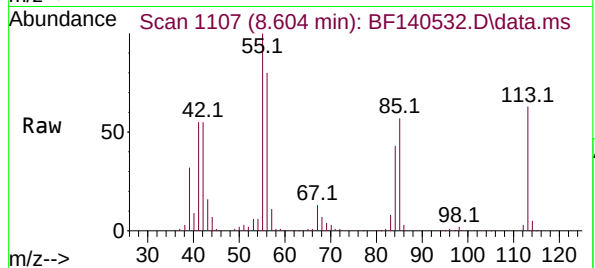
56 126.4 106.4 146.4

Manual Integrations

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Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/27/2024



#36

4-Chloro-3-methylphenol

Concen: 41.150 ng

RT: 8.716 min Scan# 1126

Delta R.T. 0.000 min

Lab File: BF140532.D

Acq: 21 Nov 2024 12:58

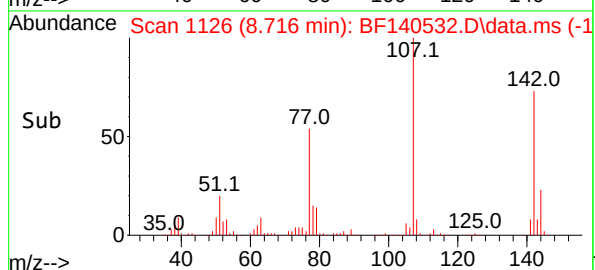
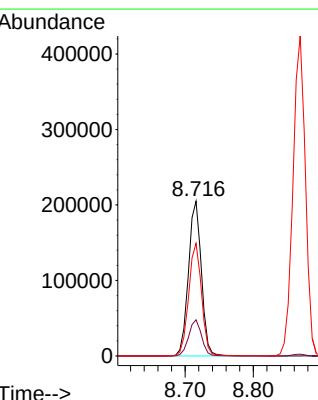
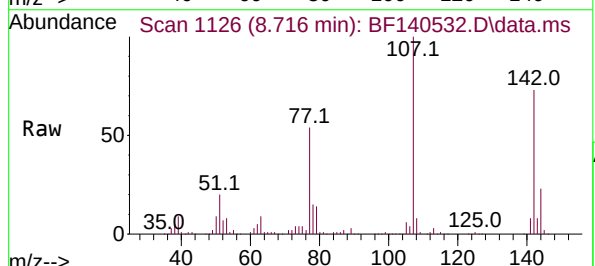
Tgt Ion:107 Resp: 270395

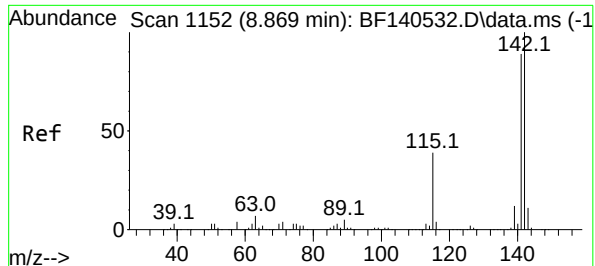
Ion Ratio Lower Upper

107 100

144 23.4 18.7 28.1

142 72.9 58.3 87.5





#37

2-Methylnaphthalene

Concen: 39.707 ng

RT: 8.869 min Scan# 1152

Delta R.T. 0.000 min

Lab File: BF140532.D

Acq: 21 Nov 2024 12:58

Instrument :

BNA\_F

ClientSampleId :

SSTDICCC040

Tgt Ion:142 Resp: 537039

Ion Ratio Lower Upper

142 100

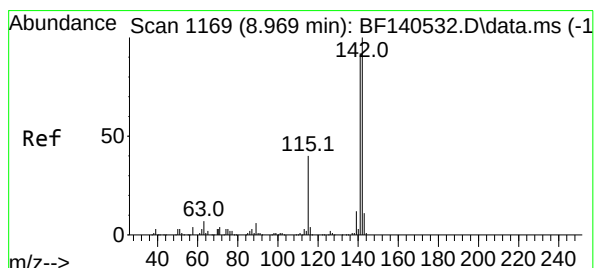
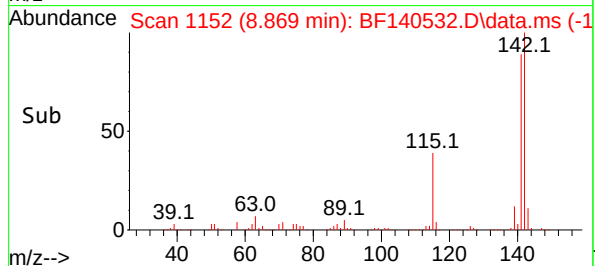
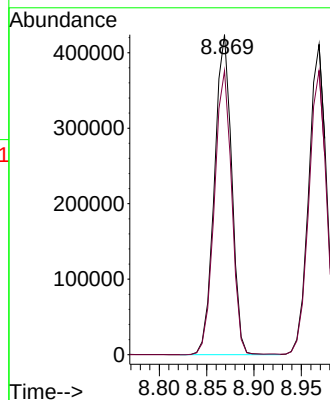
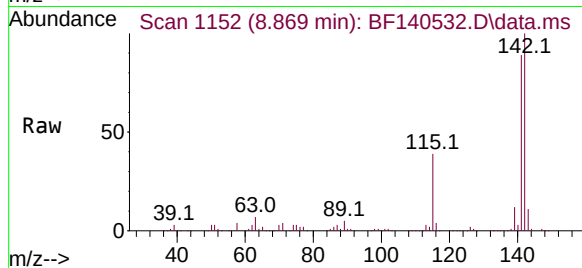
141 88.8 71.0 106.6

Manual Integrations

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Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/27/2024



#38

1-Methylnaphthalene

Concen: 39.781 ng

RT: 8.969 min Scan# 1169

Delta R.T. 0.000 min

Lab File: BF140532.D

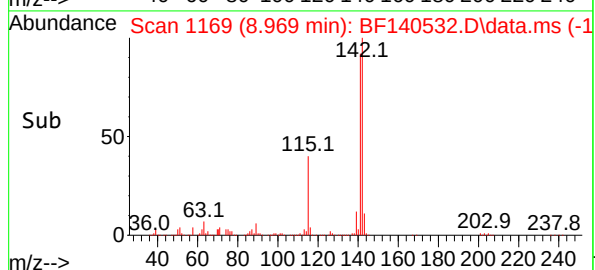
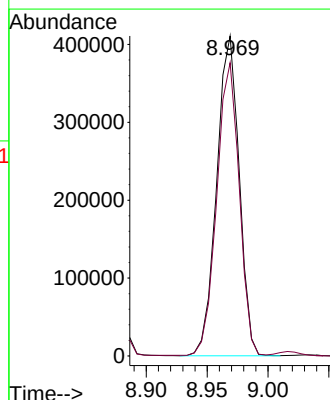
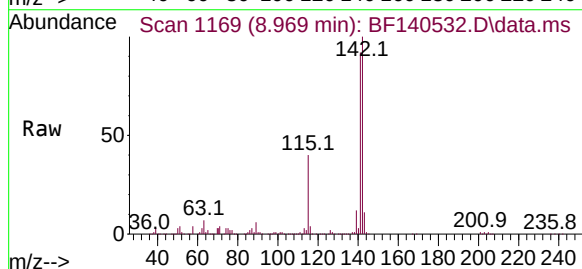
Acq: 21 Nov 2024 12:58

Tgt Ion:142 Resp: 527387

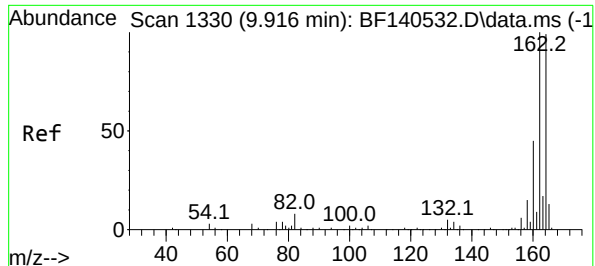
Ion Ratio Lower Upper

142 100

141 91.6 73.3 109.9







#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.916 min Scan# 1180

Delta R.T. 0.000 min

Lab File: BF140532.D

Acq: 21 Nov 2024 12:58

Instrument :

BNA\_F

ClientSampleId :

SSTDICCC040

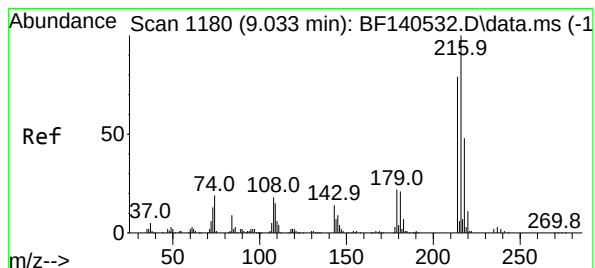
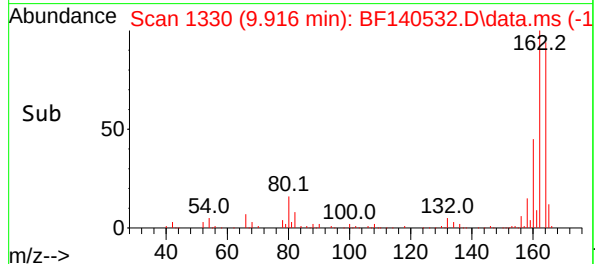
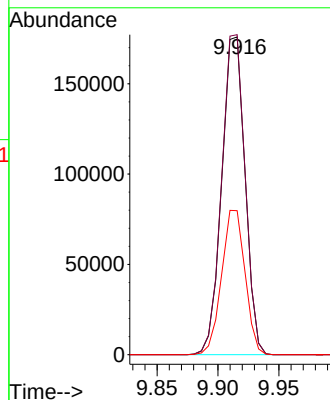
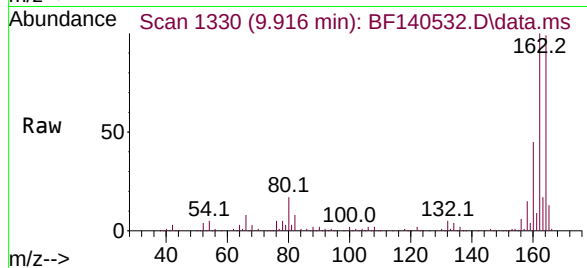
| Tgt Ion:  | 164   | Resp: | 23440 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 164       | 100   |       |       |
| 162       | 100.7 | 80.6  | 120.8 |
| 160       | 45.3  | 36.2  | 54.4  |

Manual Integrations

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Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/27/2024



#40

1,2,4,5-Tetrachlorobenzene

Concen: 38.462 ng

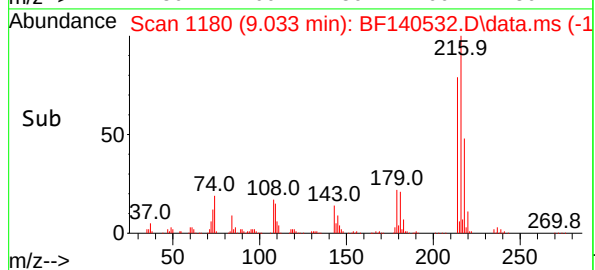
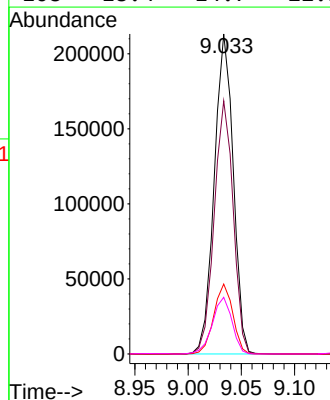
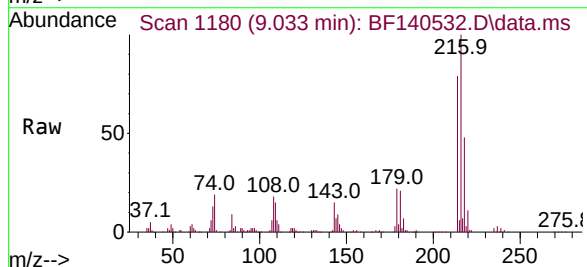
RT: 9.033 min Scan# 1180

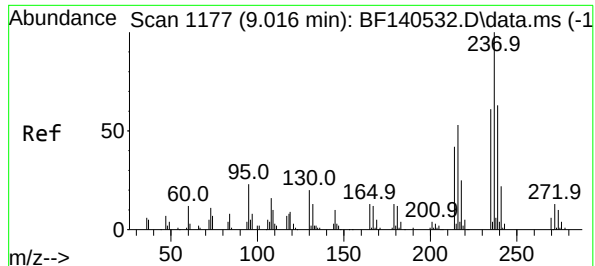
Delta R.T. 0.000 min

Lab File: BF140532.D

Acq: 21 Nov 2024 12:58

| Tgt Ion:  | 216   | Resp: | 263939 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 216       | 100   |       |        |
| 214       | 78.7  | 63.0  | 94.4   |
| 179       | 21.9  | 17.5  | 26.3   |
| 108       | 18.4  | 14.7  | 22.1   |





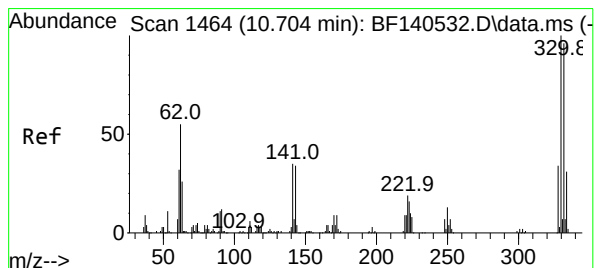
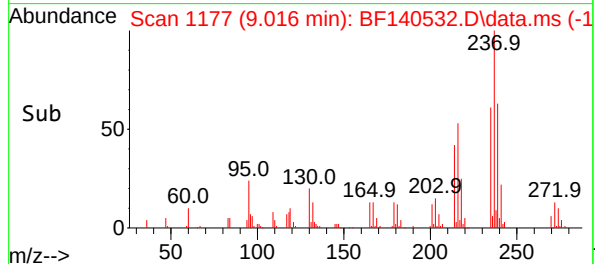
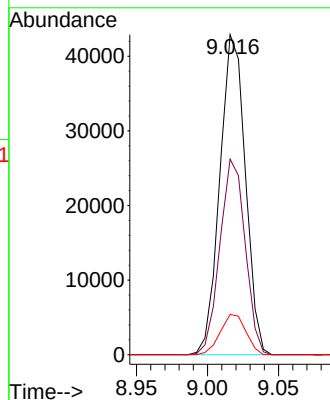
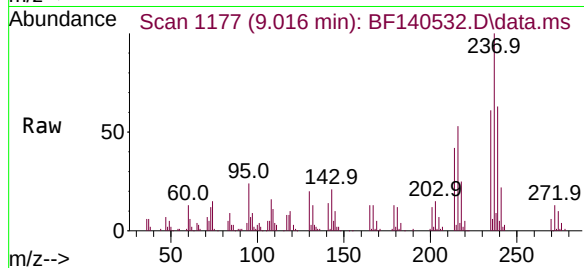
#41  
Hexachlorocyclopentadiene  
Concen: 38.833 ng  
RT: 9.016 min Scan# 1177  
Delta R.T. -0.000 min  
Lab File: BF140532.D  
Acq: 21 Nov 2024 12:58

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICCC040

Tgt Ion:237 Resp: 5353  
Ion Ratio Lower Upper  
237 100  
235 61.1 41.1 81.1  
272 12.6 0.0 32.6

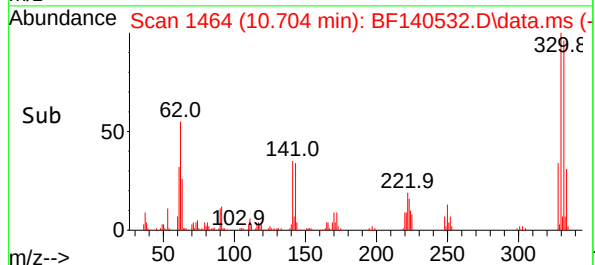
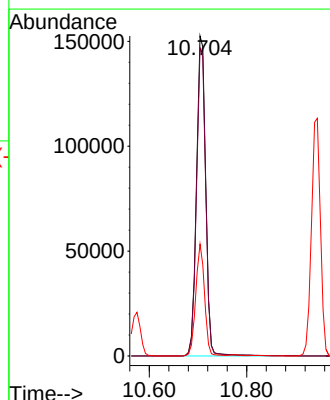
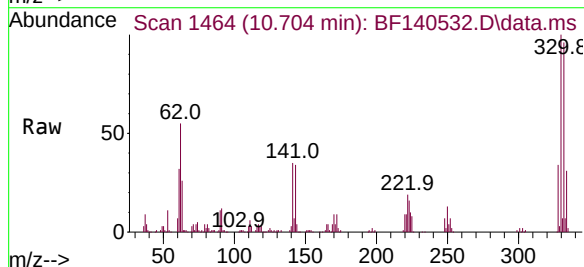
Manual Integrations  
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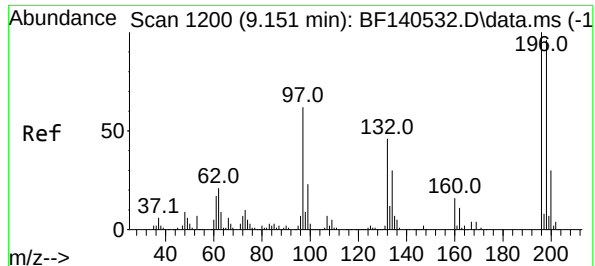
Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024



#42  
2,4,6-Tribromophenol  
Concen: 80.781 ng  
RT: 10.704 min Scan# 1464  
Delta R.T. 0.000 min  
Lab File: BF140532.D  
Acq: 21 Nov 2024 12:58

Tgt Ion:330 Resp: 202517  
Ion Ratio Lower Upper  
330 100  
332 96.1 76.9 115.3  
141 33.4 26.7 40.1





#43

2,4,6-Trichlorophenol

Concen: 39.799 ng

RT: 9.151 min Scan# 1200

Delta R.T. 0.000 min

Lab File: BF140532.D

Acq: 21 Nov 2024 12:58

Instrument :

BNA\_F

ClientSampleId :

SSTDICCC040

Tgt Ion:196 Resp: 171374

Ion Ratio Lower Upper

196 100

198 96.0 76.8 115.2

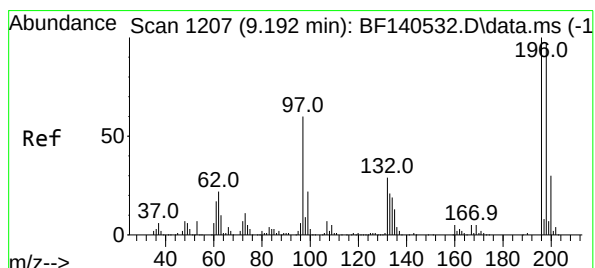
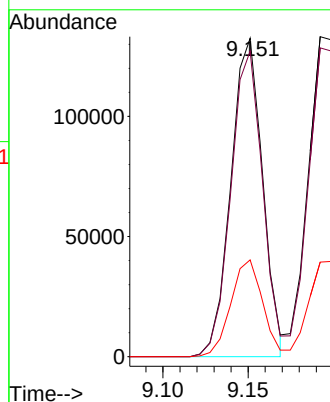
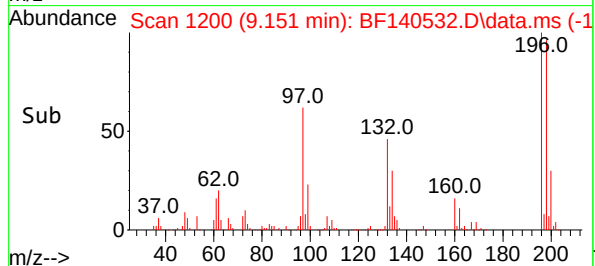
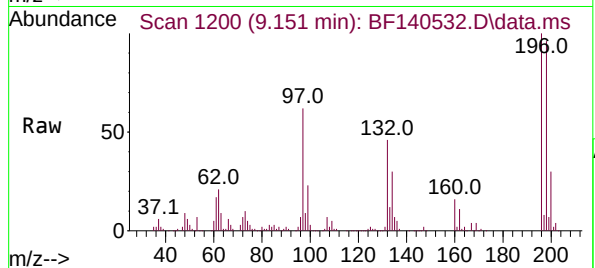
200 30.4 24.3 36.5

Manual Integrations

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Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/27/2024



#44

2,4,5-Trichlorophenol

Concen: 40.504 ng

RT: 9.192 min Scan# 1207

Delta R.T. 0.000 min

Lab File: BF140532.D

Acq: 21 Nov 2024 12:58

Tgt Ion:196 Resp: 189287

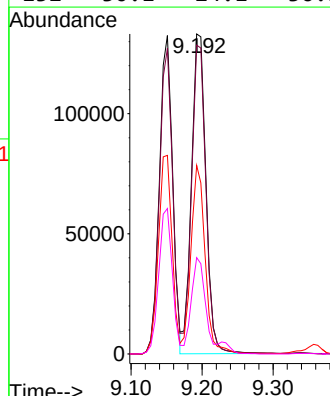
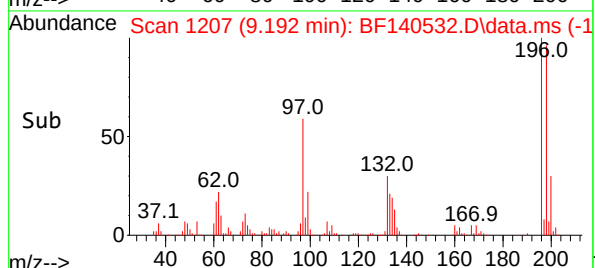
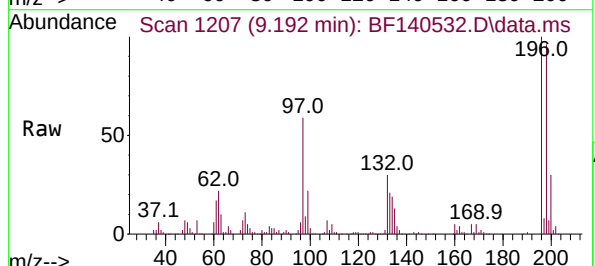
Ion Ratio Lower Upper

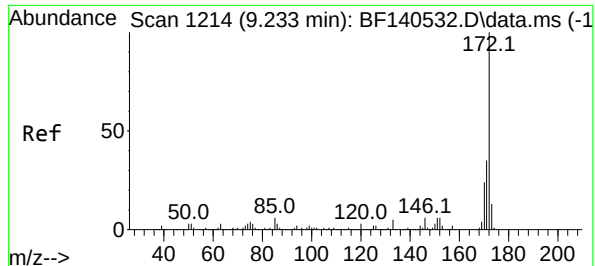
196 100

198 96.5 77.2 115.8

97 58.9 47.1 70.7

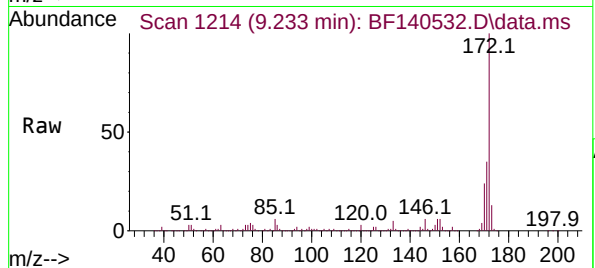
132 30.1 24.1 36.1





#45  
2-Fluorobiphenyl  
Concen: 76.969 ng  
RT: 9.233 min Scan# 1214  
Delta R.T. 0.000 min  
Lab File: BF140532.D  
Acq: 21 Nov 2024 12:58

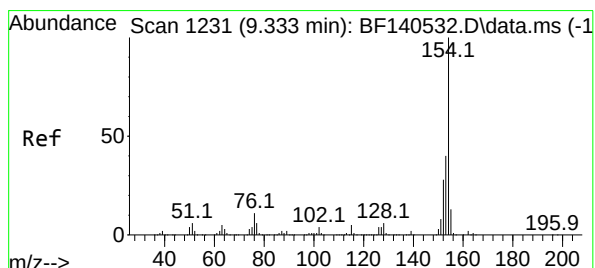
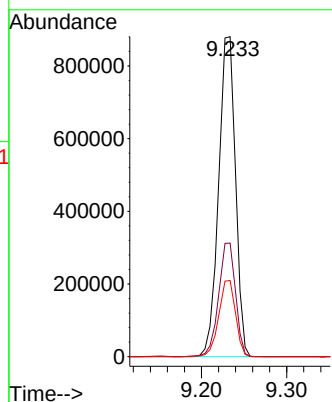
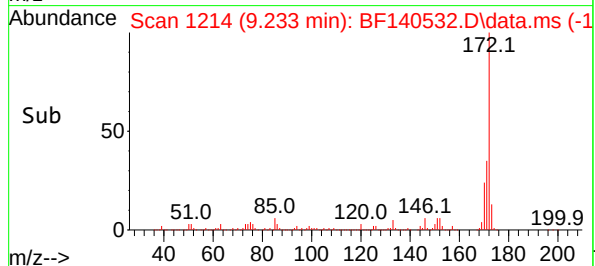
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICCC040



Tgt Ion:172 Resp: 1210929  
Ion Ratio Lower Upper  
172 100  
171 35.5 28.4 42.6  
170 23.8 19.0 28.6

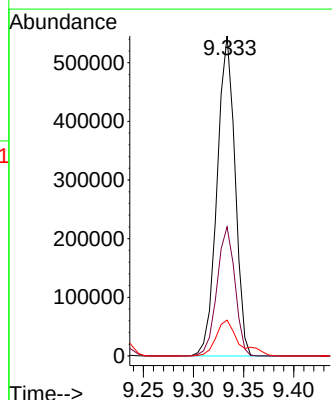
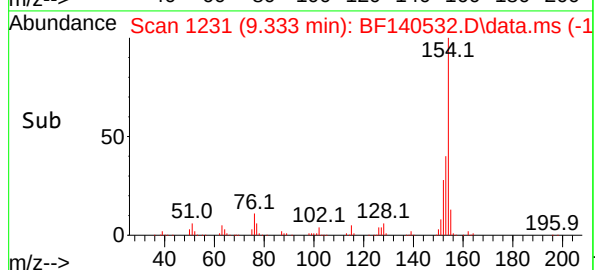
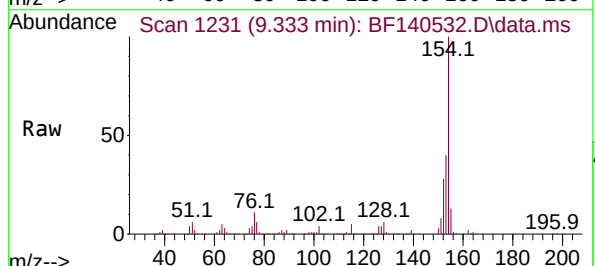
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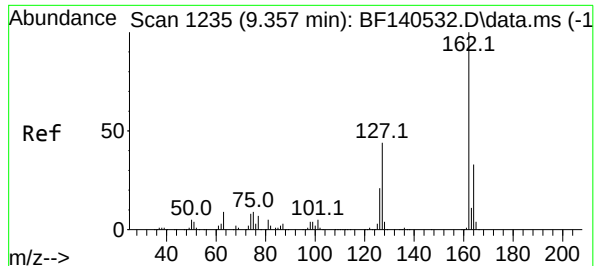
Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024



#46  
1,1'-Biphenyl  
Concen: 38.750 ng  
RT: 9.333 min Scan# 1231  
Delta R.T. 0.000 min  
Lab File: BF140532.D  
Acq: 21 Nov 2024 12:58

Tgt Ion:154 Resp: 678172  
Ion Ratio Lower Upper  
154 100  
153 40.4 20.4 60.4  
76 11.2 0.0 31.2





#47

2-Chloronaphthalene

Concen: 39.086 ng

RT: 9.357 min Scan# 1235

Delta R.T. 0.000 min

Lab File: BF140532.D

Acq: 21 Nov 2024 12:58

Instrument :

BNA\_F

ClientSampleId :

SSTDICCC040

Tgt Ion:162 Resp: 518320

Ion Ratio Lower Upper

162 100

127 44.6 35.7 53.5

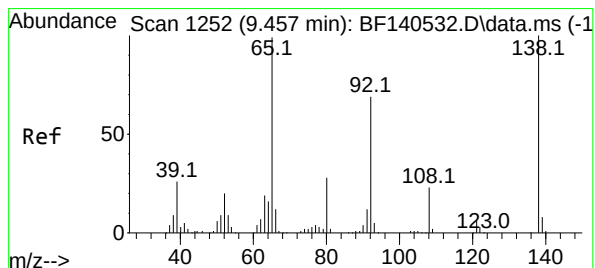
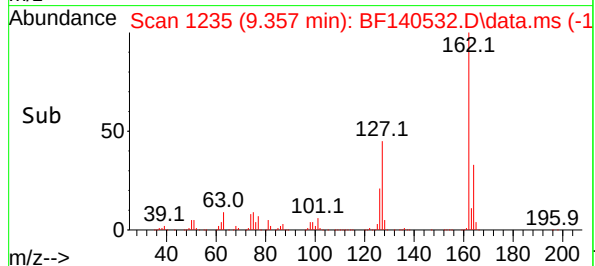
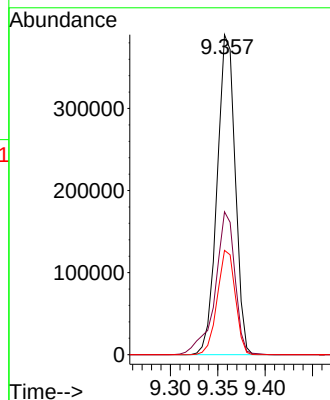
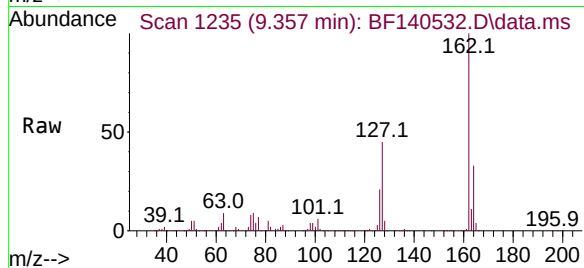
164 32.6 26.1 39.1

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Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/27/2024



#48

2-Nitroaniline

Concen: 40.410 ng

RT: 9.457 min Scan# 1252

Delta R.T. 0.000 min

Lab File: BF140532.D

Acq: 21 Nov 2024 12:58

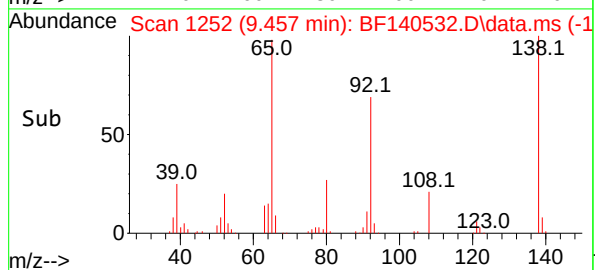
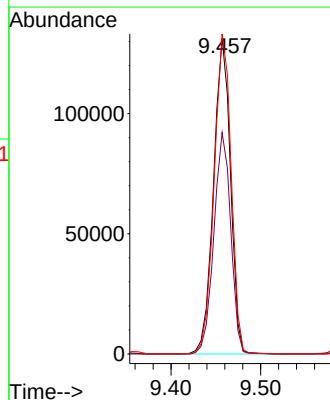
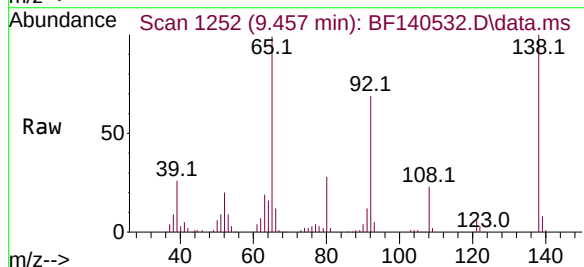
Tgt Ion: 65 Resp: 172005

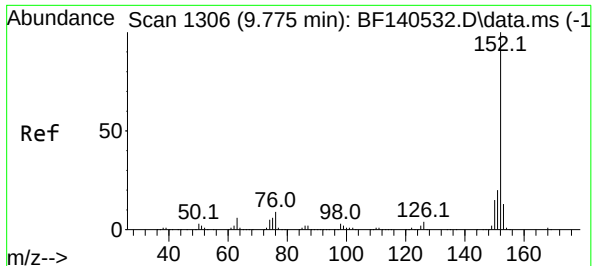
Ion Ratio Lower Upper

65 100

92 70.1 56.1 84.1

138 101.3 81.0 121.6





#49

Acenaphthylene

Concen: 38.899 ng

RT: 9.775 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF140532.D

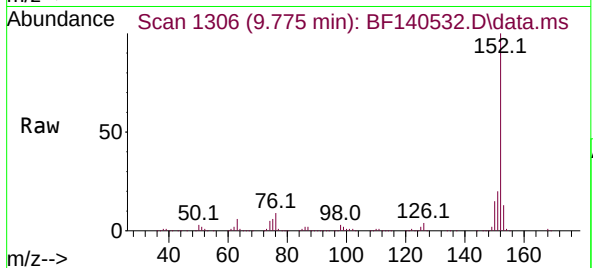
Acq: 21 Nov 2024 12:58

Instrument :

BNA\_F

ClientSampleId :

SSTDICCC040

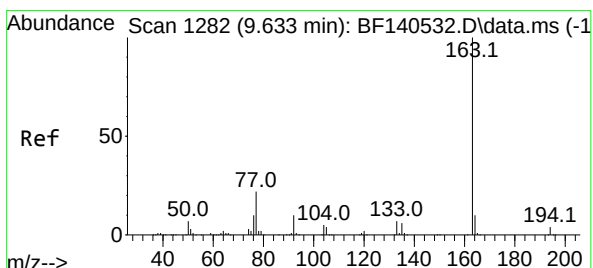
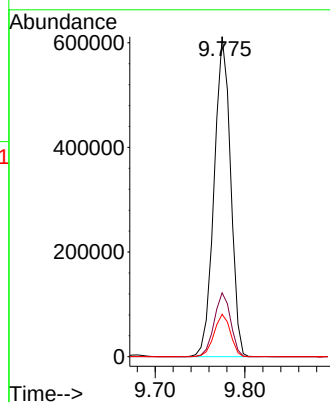
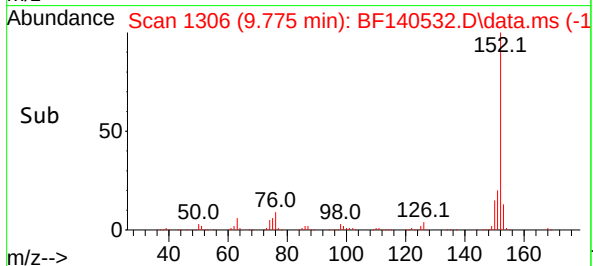


|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 152   | Resp: | 779390 |
| Ion Ratio | Lower | Upper |        |
| 152       | 100   |       |        |
| 151       | 19.9  | 15.9  | 23.9   |
| 153       | 13.3  | 10.6  | 16.0   |

Manual Integrations

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Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024



#50

Dimethylphthalate

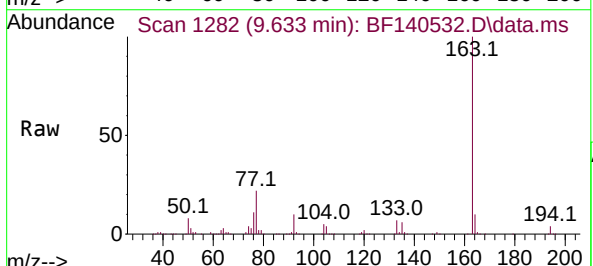
Concen: 39.445 ng

RT: 9.633 min Scan# 1282

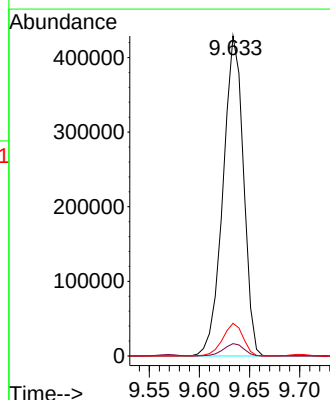
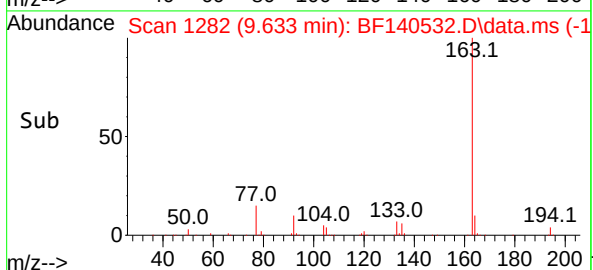
Delta R.T. 0.000 min

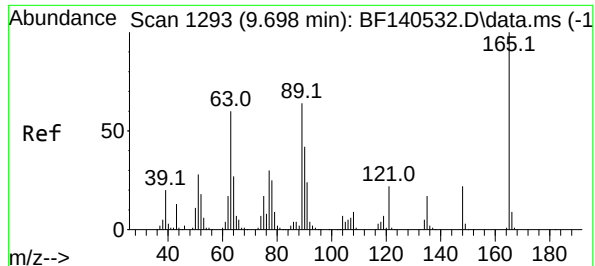
Lab File: BF140532.D

Acq: 21 Nov 2024 12:58



|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 163   | Resp: | 608948 |
| Ion Ratio | Lower | Upper |        |
| 163       | 100   |       |        |
| 194       | 3.9   | 3.1   | 4.7    |
| 164       | 10.2  | 8.2   | 12.2   |





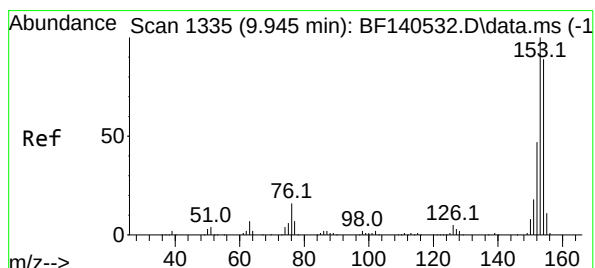
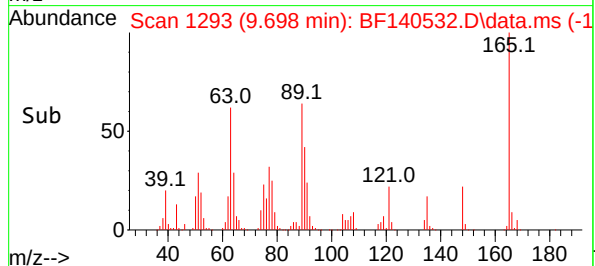
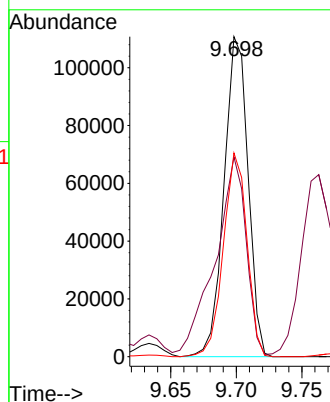
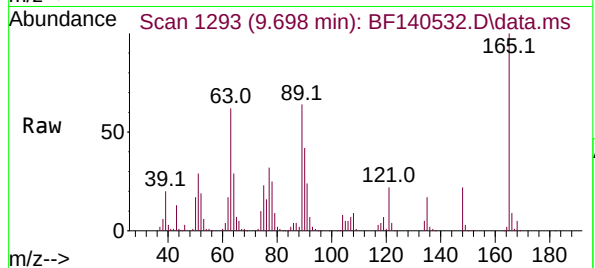
#51  
2,6-Dinitrotoluene  
Concen: 40.249 ng  
RT: 9.698 min Scan# 1293  
Delta R.T. 0.000 min  
Lab File: BF140532.D  
Acq: 21 Nov 2024 12:58

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICCC040

Tgt Ion:165 Resp: 140922  
Ion Ratio Lower Upper  
165 100  
63 62.4 49.9 74.9  
89 63.6 50.9 76.3

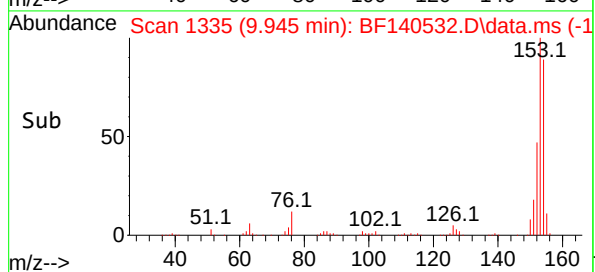
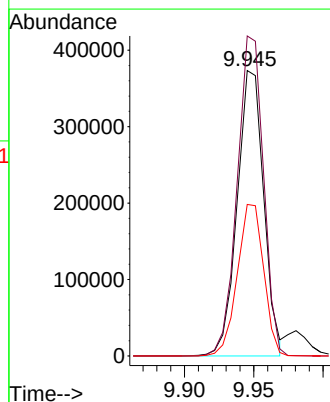
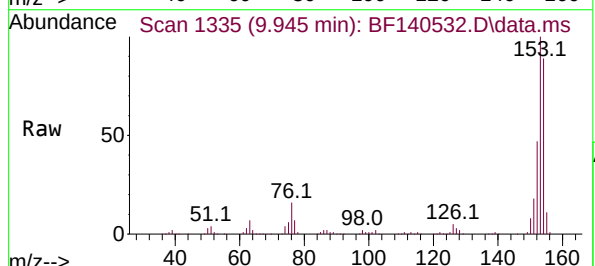
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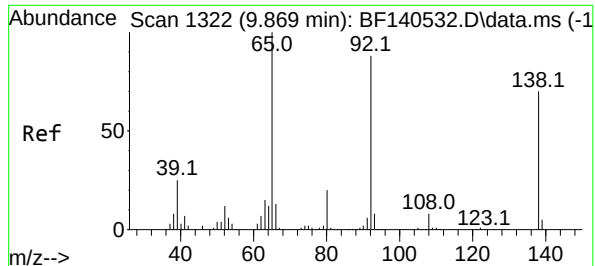
Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024



#52  
Acenaphthene  
Concen: 38.394 ng m  
RT: 9.945 min Scan# 1335  
Delta R.T. 0.000 min  
Lab File: BF140532.D  
Acq: 21 Nov 2024 12:58

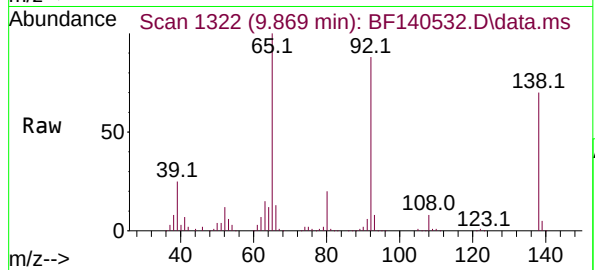
Tgt Ion:154 Resp: 498119  
Ion Ratio Lower Upper  
154 100  
153 112.1 89.7 134.5  
152 53.1 42.5 63.7





#53  
3-Nitroaniline  
Concen: 41.134 ng  
RT: 9.869 min Scan# 1322  
Delta R.T. 0.000 min  
Lab File: BF140532.D  
Acq: 21 Nov 2024 12:58

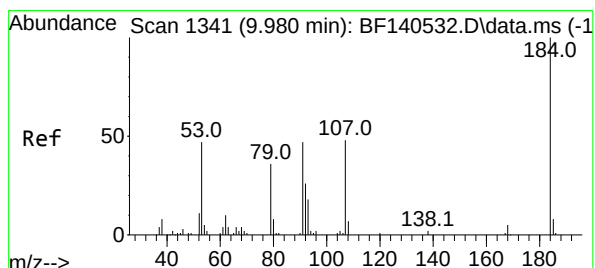
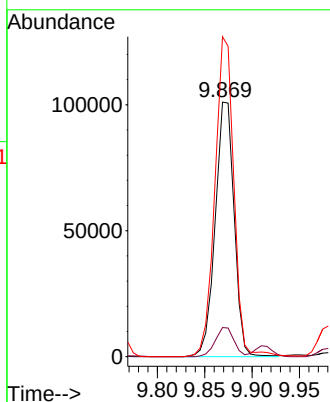
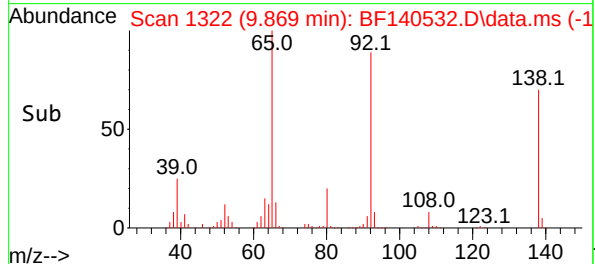
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICCC040



Tgt Ion:138 Resp: 140859  
Ion Ratio Lower Upper  
138 100  
108 11.5 9.2 13.8  
92 125.7 100.6 150.8

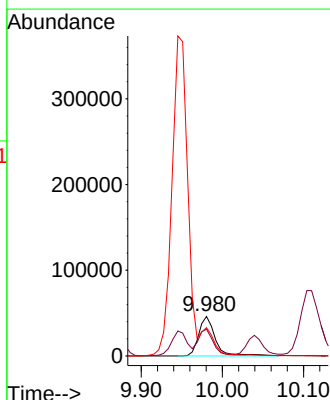
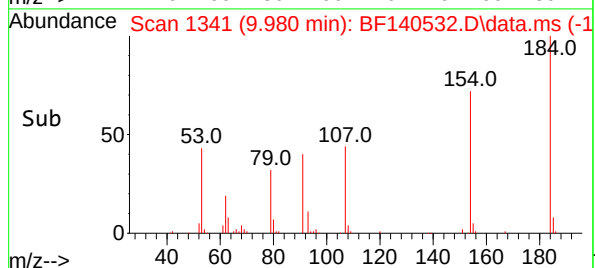
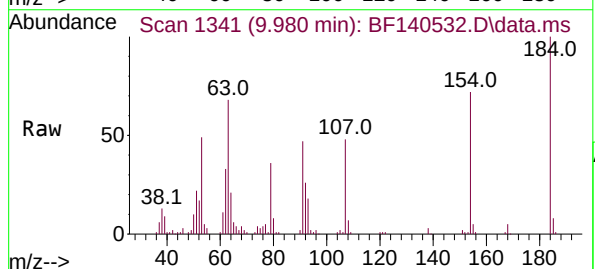
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Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024

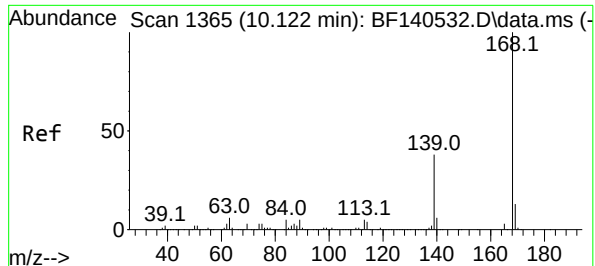


#54  
2,4-Dinitrophenol  
Concen: 40.435 ng  
RT: 9.980 min Scan# 1341  
Delta R.T. 0.000 min  
Lab File: BF140532.D  
Acq: 21 Nov 2024 12:58

Tgt Ion:184 Resp: 65546  
Ion Ratio Lower Upper  
184 100  
63 67.6 54.1 81.1  
154 71.7 57.4 86.0







#55

Dibenzenofuran

Concen: 39.153 ng

RT: 10.122 min Scan# 1365

Delta R.T. 0.000 min

Lab File: BF140532.D

Acq: 21 Nov 2024 12:58

Instrument :

BNA\_F

ClientSampleId :

SSTDICCC040

Tgt Ion:168 Resp: 760308

Ion Ratio Lower Upper

168 100

139 39.1 31.3 46.9

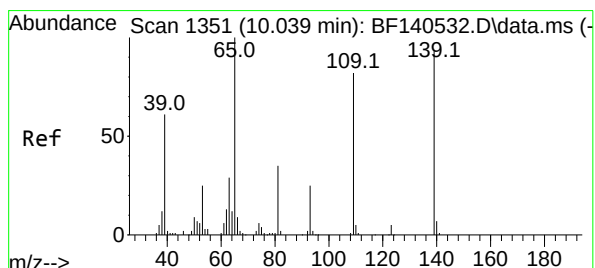
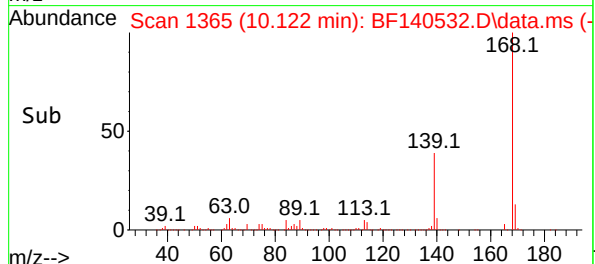
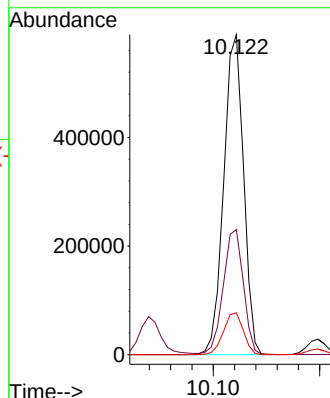
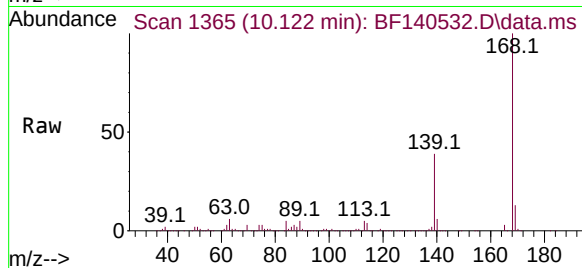
169 13.1 10.5 15.7

Manual Integrations

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Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/27/2024



#56

4-Nitrophenol

Concen: 41.591 ng

RT: 10.039 min Scan# 1351

Delta R.T. 0.000 min

Lab File: BF140532.D

Acq: 21 Nov 2024 12:58

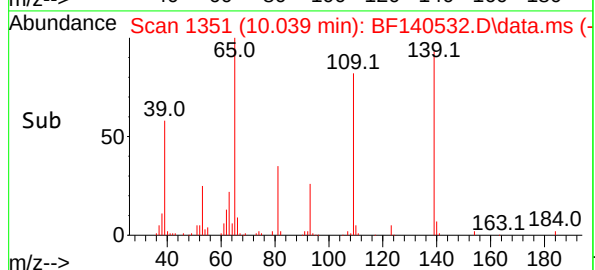
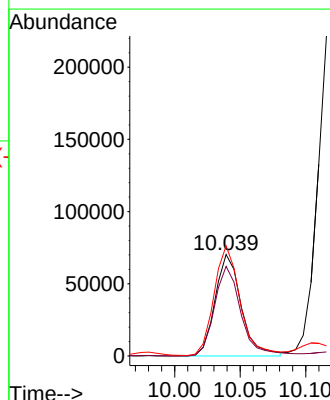
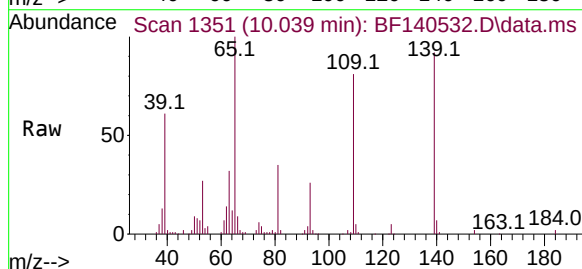
Tgt Ion:139 Resp: 97133

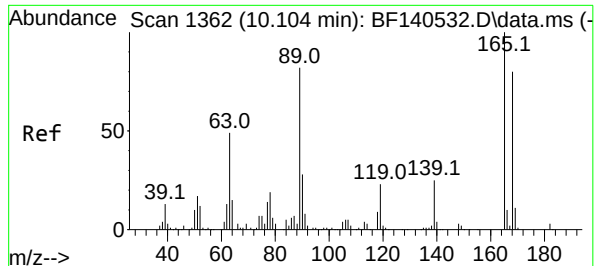
Ion Ratio Lower Upper

139 100

109 88.4 68.4 108.4

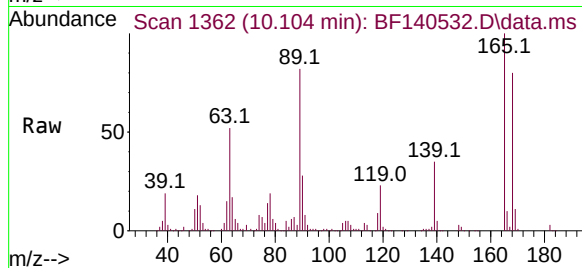
65 108.6 88.6 128.6





#57  
2,4-Dinitrotoluene  
Concen: 40.662 ng  
RT: 10.104 min Scan# 1362  
Delta R.T. 0.000 min  
Lab File: BF140532.D  
Acq: 21 Nov 2024 12:58

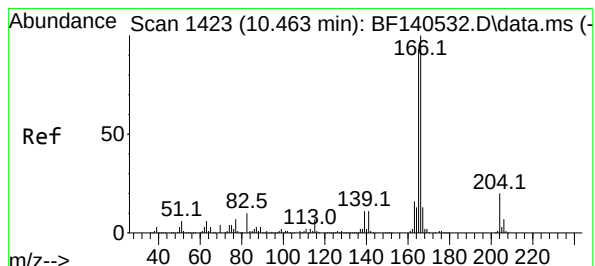
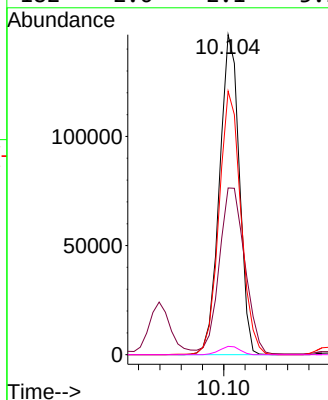
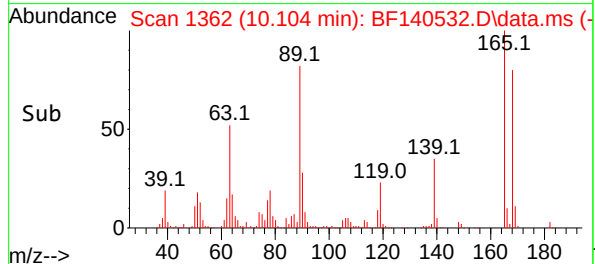
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICCC040



Tgt Ion:165 Resp: 18921  
Ion Ratio Lower Upper  
165 100  
63 52.1 41.7 62.5  
89 82.3 65.8 98.8  
182 2.6 2.1 3.1

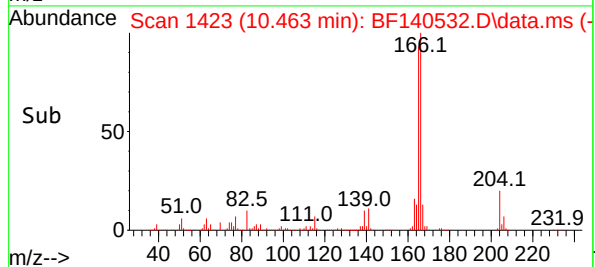
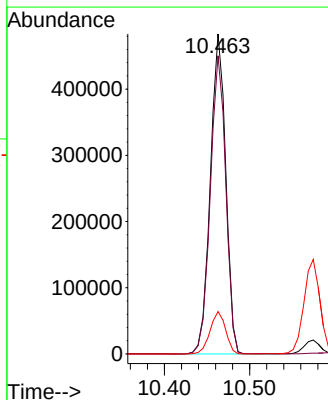
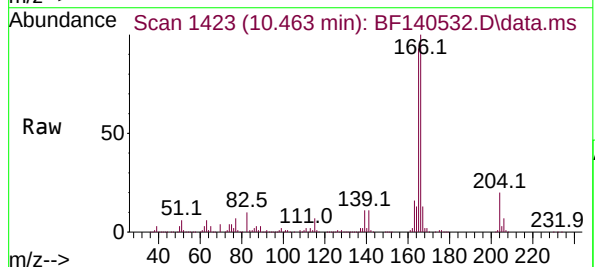
Manual Integrations  
APPROVED

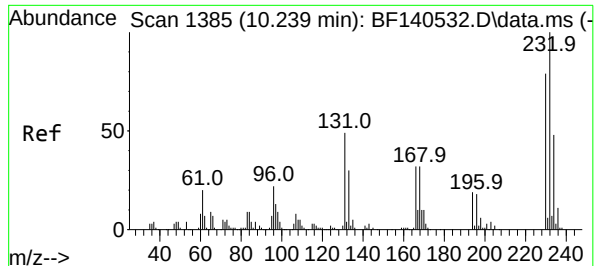
Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024



#58  
Fluorene  
Concen: 38.956 ng  
RT: 10.463 min Scan# 1423  
Delta R.T. 0.000 min  
Lab File: BF140532.D  
Acq: 21 Nov 2024 12:58

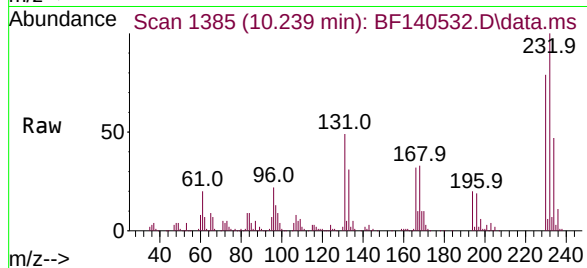
Tgt Ion:166 Resp: 607198  
Ion Ratio Lower Upper  
166 100  
165 93.2 74.6 111.8  
167 13.3 10.6 16.0





#59  
2,3,4,6-Tetrachlorophenol  
Concen: 40.757 ng  
RT: 10.239 min Scan# 1385  
Delta R.T. 0.000 min  
Lab File: BF140532.D  
Acq: 21 Nov 2024 12:58

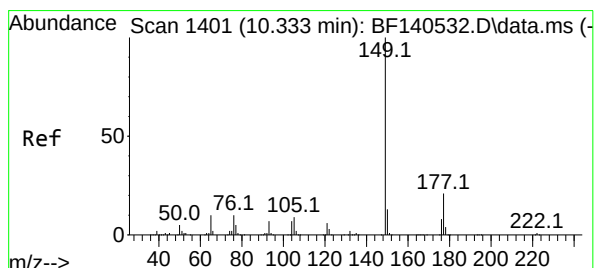
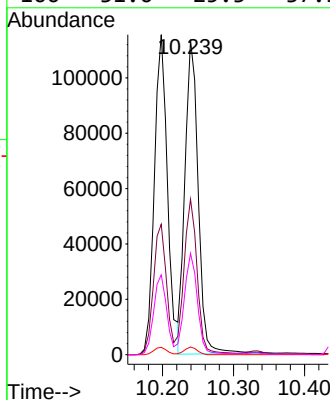
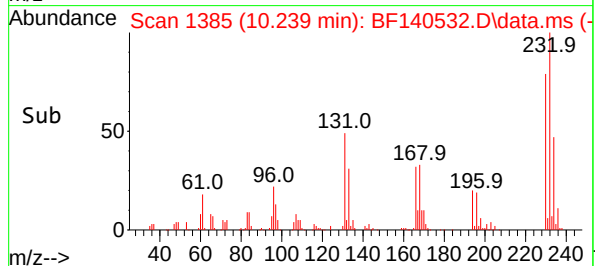
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICCC040



Tgt Ion:232 Resp: 14638  
Ion Ratio Lower Upper  
232 100  
131 49.5 39.6 59.4  
130 2.4 1.9 2.9  
166 31.6 25.3 37.9

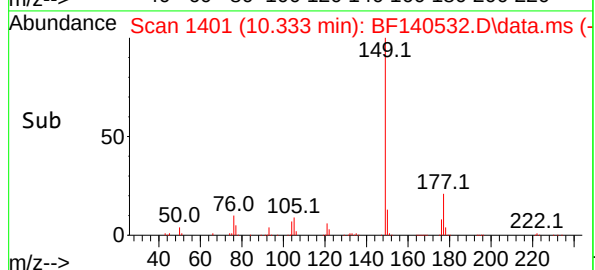
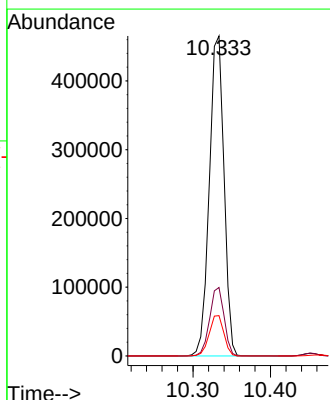
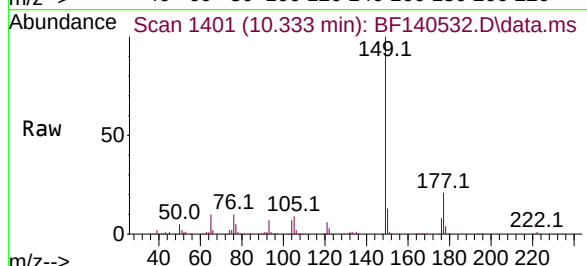
Manual Integrations  
APPROVED

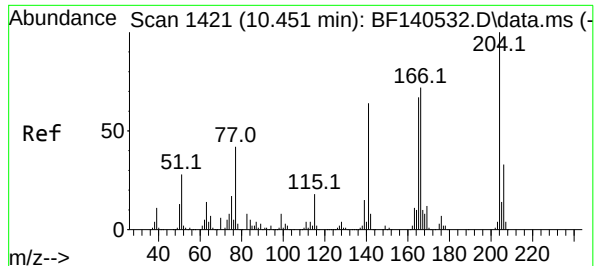
Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024



#60  
Diethylphthalate  
Concen: 39.176 ng  
RT: 10.333 min Scan# 1401  
Delta R.T. 0.000 min  
Lab File: BF140532.D  
Acq: 21 Nov 2024 12:58

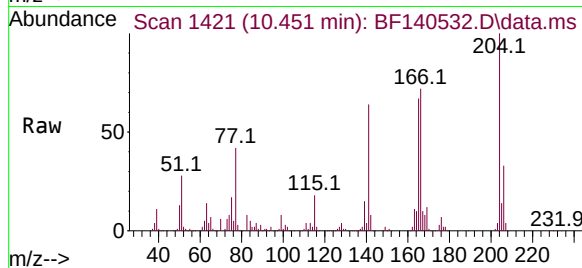
Tgt Ion:149 Resp: 614490  
Ion Ratio Lower Upper  
149 100  
177 21.4 17.1 25.7  
150 12.6 10.1 15.1





#61  
4-Chlorophenyl-phenylether  
Concen: 39.175 ng  
RT: 10.451 min Scan# 1421  
Delta R.T. 0.000 min  
Lab File: BF140532.D  
Acq: 21 Nov 2024 12:58

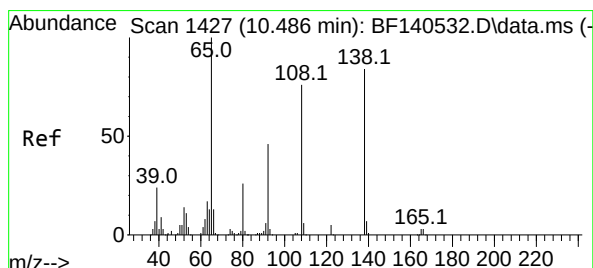
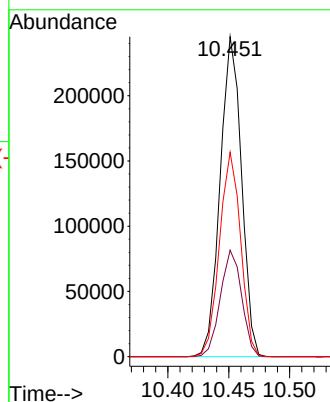
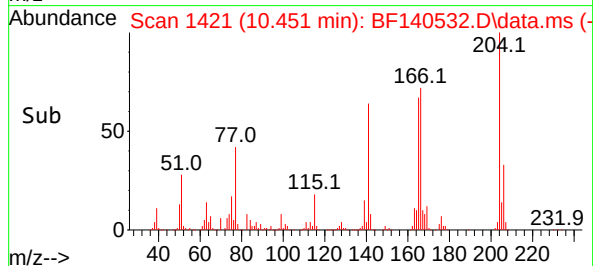
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICCC040



Tgt Ion:204 Resp: 299662  
Ion Ratio Lower Upper  
204 100  
206 33.3 26.6 40.0  
141 63.9 51.1 76.7

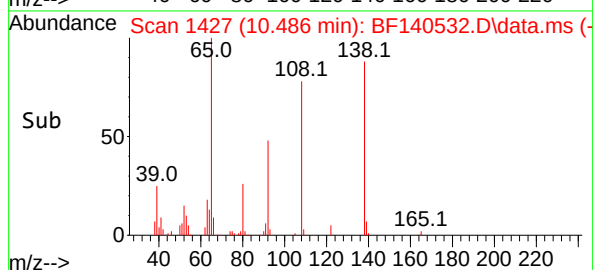
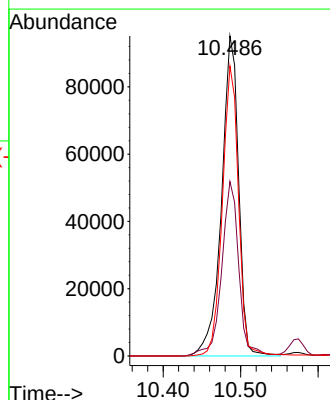
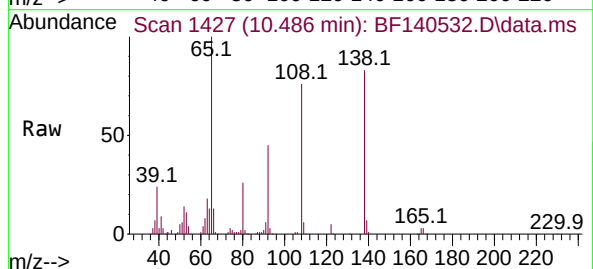
Manual Integrations  
APPROVED

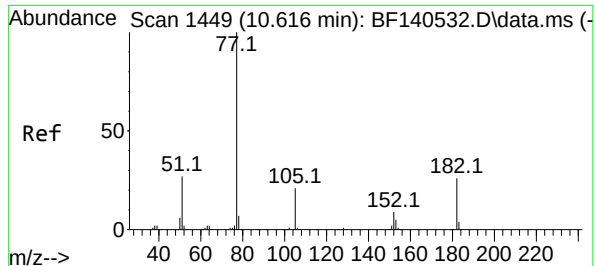
Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024



#62  
4-Nitroaniline  
Concen: 40.750 ng  
RT: 10.486 min Scan# 1427  
Delta R.T. 0.000 min  
Lab File: BF140532.D  
Acq: 21 Nov 2024 12:58

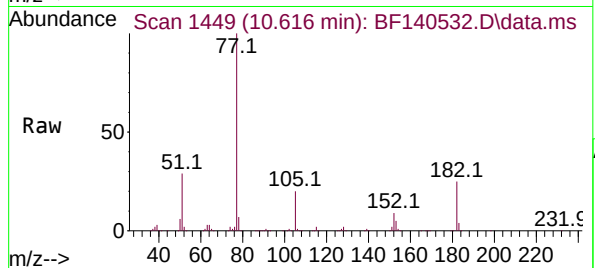
Tgt Ion:138 Resp: 146354  
Ion Ratio Lower Upper  
138 100  
92 54.5 34.5 74.5  
108 90.6 70.6 110.6





#63  
Azobenzene  
Concen: 38.983 ng  
RT: 10.616 min Scan# 1449  
Delta R.T. 0.000 min  
Lab File: BF140532.D  
Acq: 21 Nov 2024 12:58

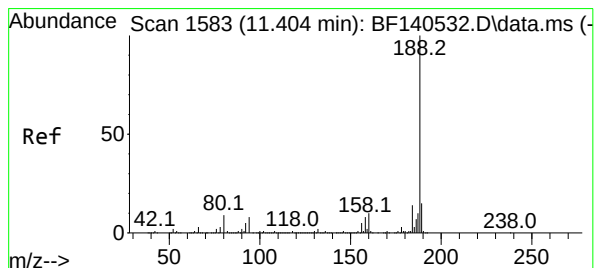
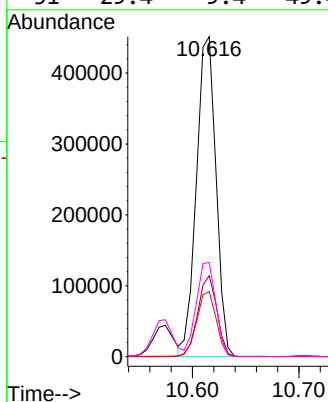
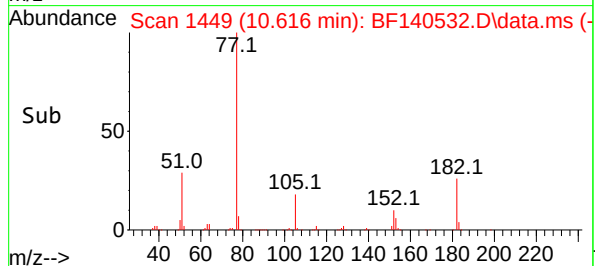
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICCC040



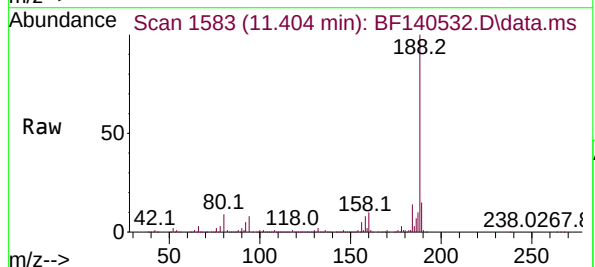
Tgt Ion: 77 Resp: 57904  
Ion Ratio Lower Upper  
77 100  
182 25.3 5.3 45.3  
105 20.3 0.3 40.3  
51 29.4 9.4 49.4

Manual Integrations  
APPROVED

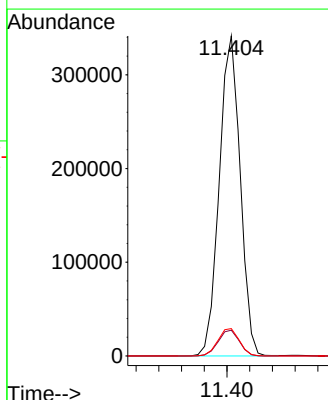
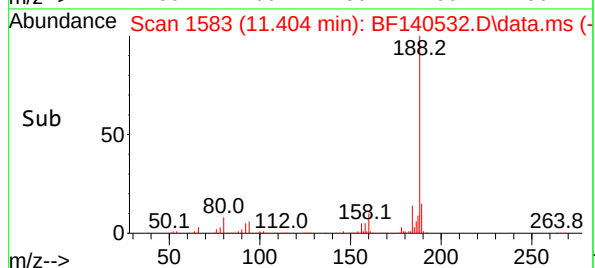
Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024

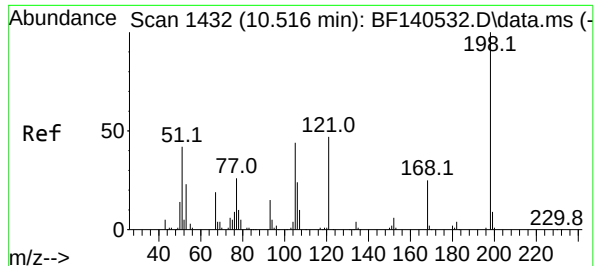


#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.404 min Scan# 1583  
Delta R.T. 0.000 min  
Lab File: BF140532.D  
Acq: 21 Nov 2024 12:58



Tgt Ion:188 Resp: 437466  
Ion Ratio Lower Upper  
188 100  
94 8.0 6.4 9.6  
80 8.6 6.9 10.3





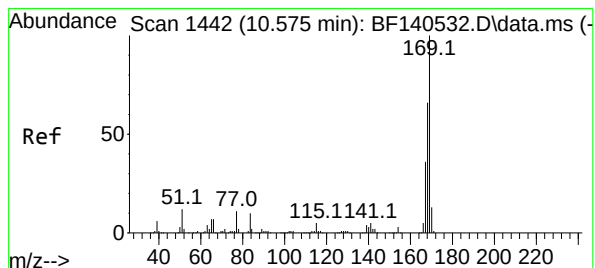
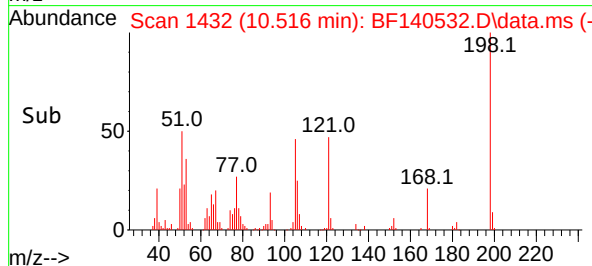
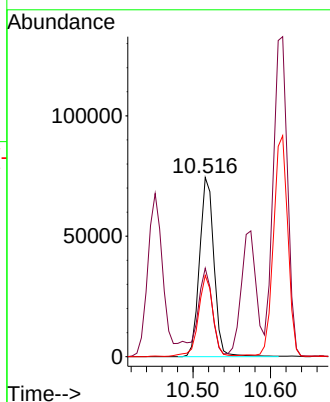
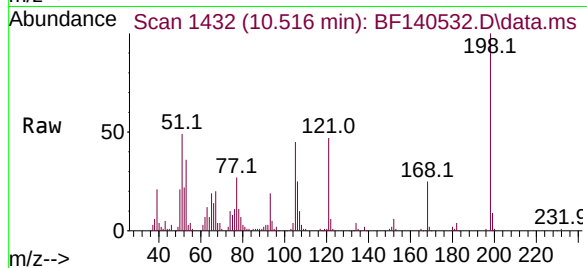
#65  
4,6-Dinitro-2-methylphenol  
Concen: 42.998 ng  
RT: 10.516 min Scan# 1432  
Delta R.T. -0.000 min  
Lab File: BF140532.D  
Acq: 21 Nov 2024 12:58

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICCC040

Tgt Ion:198 Resp: 96120  
Ion Ratio Lower Upper  
198 100  
51 49.4 29.4 69.4  
105 45.4 25.4 65.4

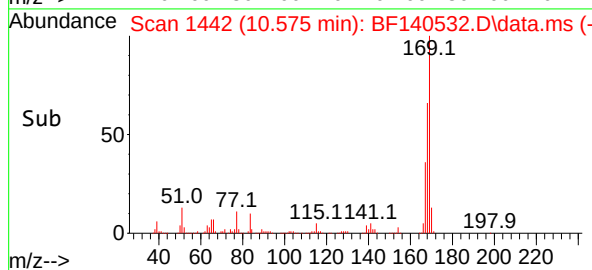
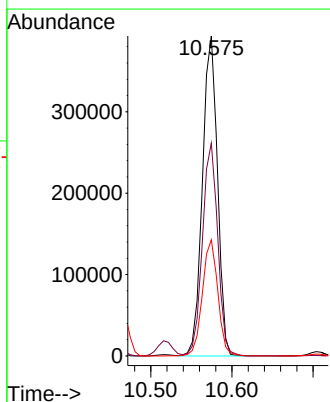
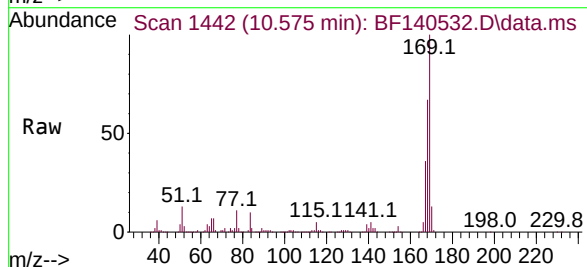
Manual Integrations  
APPROVED

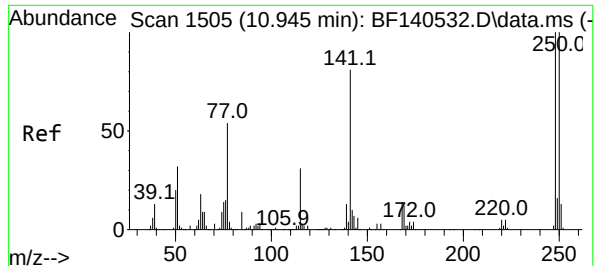
Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024



#66  
n-Nitrosodiphenylamine  
Concen: 39.070 ng  
RT: 10.575 min Scan# 1442  
Delta R.T. 0.000 min  
Lab File: BF140532.D  
Acq: 21 Nov 2024 12:58

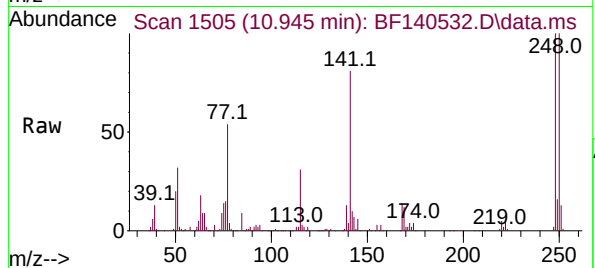
Tgt Ion:169 Resp: 505450  
Ion Ratio Lower Upper  
169 100  
168 66.5 53.2 79.8  
167 36.3 29.0 43.6





#67  
4-Bromophenyl-phenylether  
Concen: 38.787 ng  
RT: 10.945 min Scan# 1505  
Delta R.T. 0.000 min  
Lab File: BF140532.D  
Acq: 21 Nov 2024 12:58

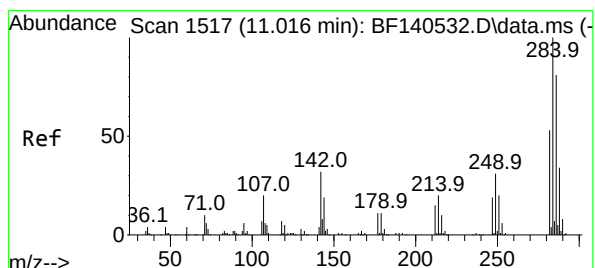
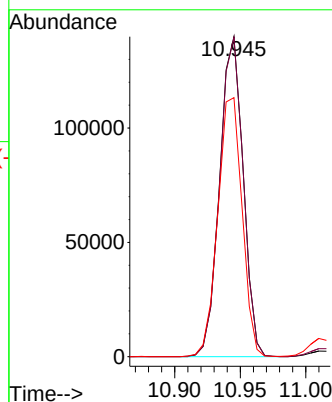
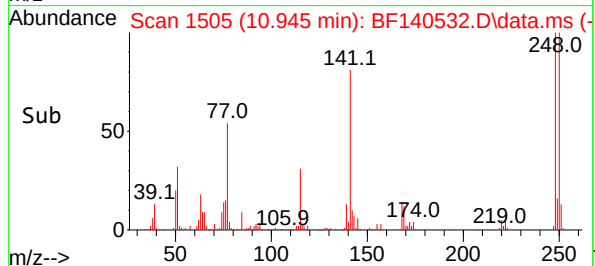
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICCC040



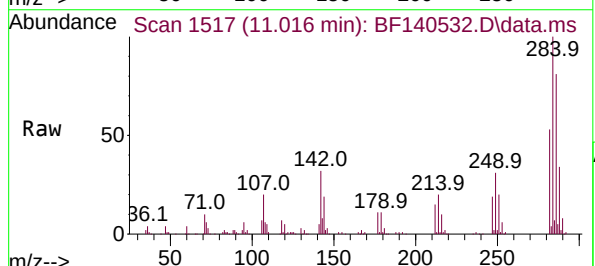
Tgt Ion:248 Resp: 174740  
Ion Ratio Lower Upper  
248 100  
250 99.8 79.8 119.8  
141 80.9 64.7 97.1

Manual Integrations  
APPROVED

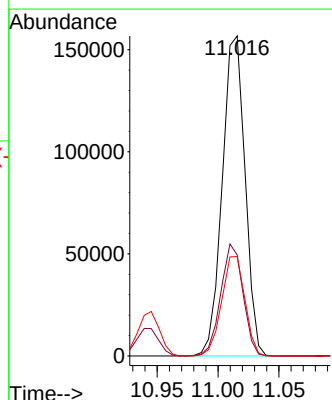
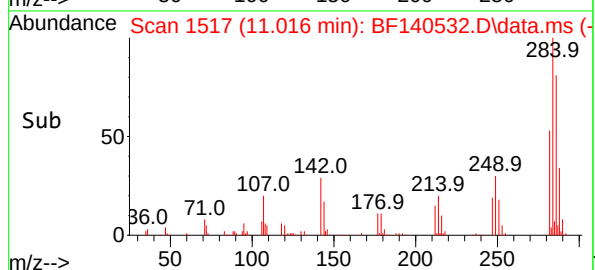
Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024

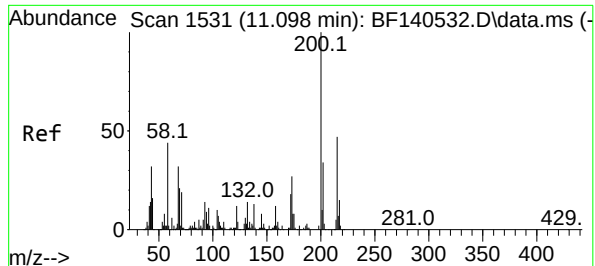


#68  
Hexachlorobenzene  
Concen: 39.129 ng  
RT: 11.016 min Scan# 1517  
Delta R.T. 0.000 min  
Lab File: BF140532.D  
Acq: 21 Nov 2024 12:58



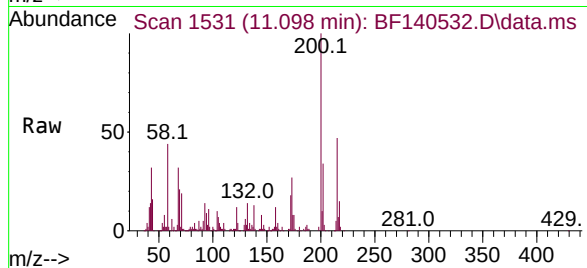
Tgt Ion:284 Resp: 204123  
Ion Ratio Lower Upper  
284 100  
142 31.6 25.3 37.9  
249 31.0 24.8 37.2





#69  
Atrazine  
Concen: 33.635 ng  
RT: 11.098 min Scan# 1531  
Delta R.T. 0.000 min  
Lab File: BF140532.D  
Acq: 21 Nov 2024 12:58

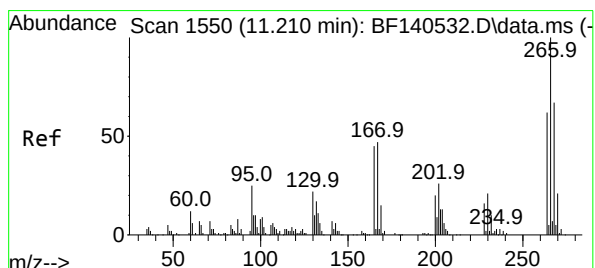
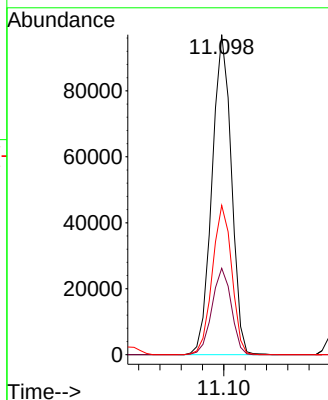
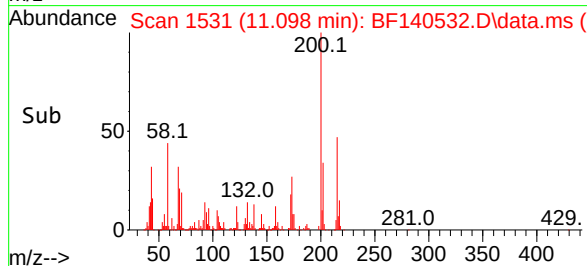
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICCC040



Tgt Ion:200 Resp: 12241  
Ion Ratio Lower Upper  
200 100  
173 27.0 7.0 47.0  
215 46.7 26.7 66.7

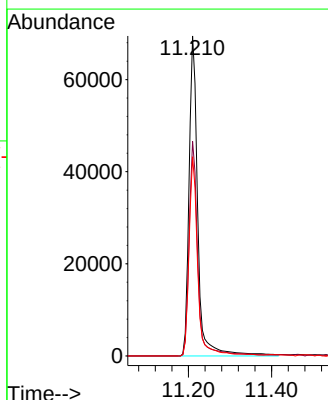
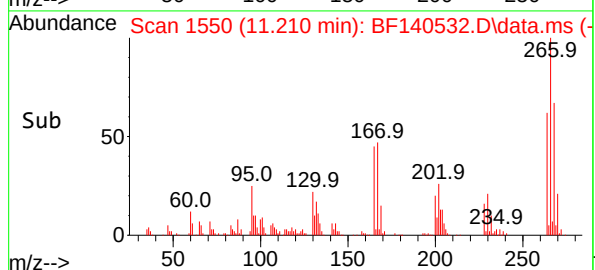
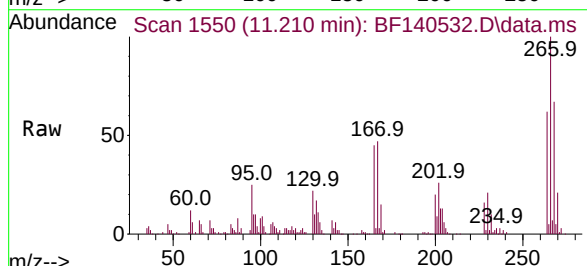
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024

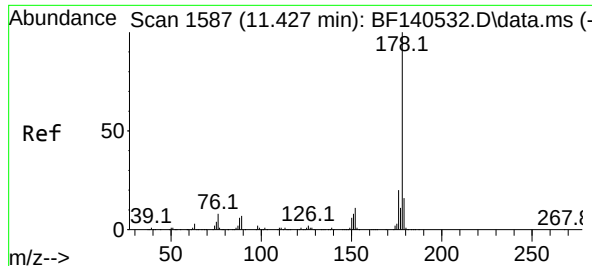


#70  
Pentachlorophenol  
Concen: 44.226 ng  
RT: 11.210 min Scan# 1550  
Delta R.T. -0.000 min  
Lab File: BF140532.D  
Acq: 21 Nov 2024 12:58

Tgt Ion:266 Resp: 101542  
Ion Ratio Lower Upper  
266 100  
268 67.1 53.7 80.5  
264 62.3 49.8 74.8







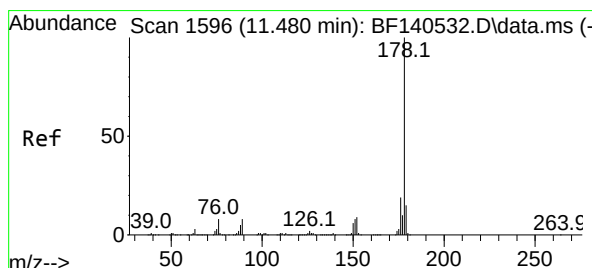
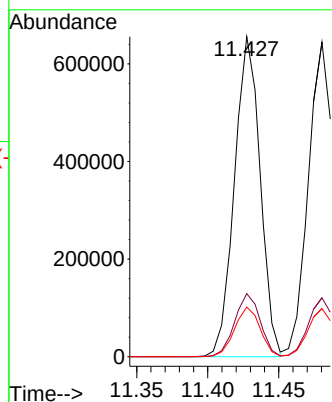
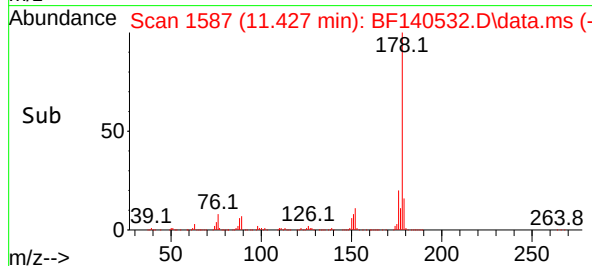
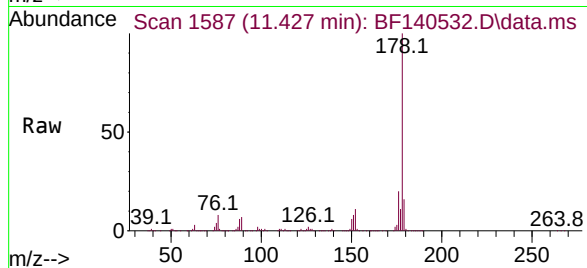
#71  
Phenanthrene  
Concen: 39.293 ng  
RT: 11.427 min Scan# 1587  
Delta R.T. 0.000 min  
Lab File: BF140532.D  
Acq: 21 Nov 2024 12:58

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICCC040

Tgt Ion:178 Resp: 826269  
Ion Ratio Lower Upper  
178 100  
176 19.7 15.8 23.6  
179 15.5 12.4 18.6

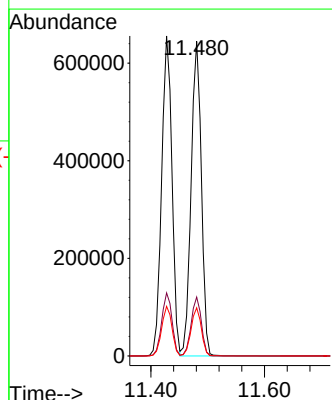
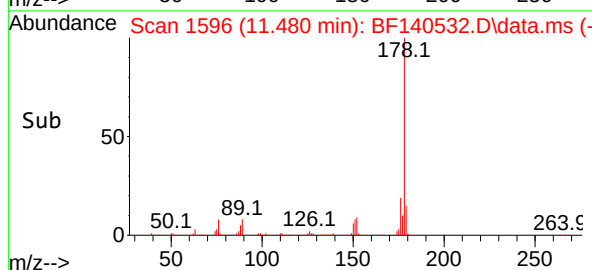
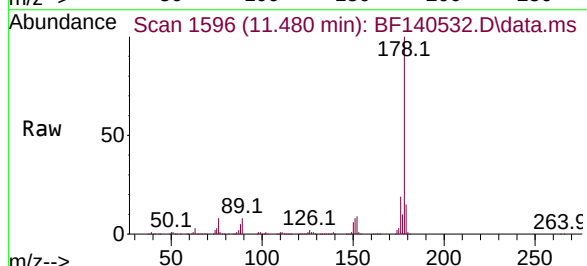
Manual Integrations  
APPROVED

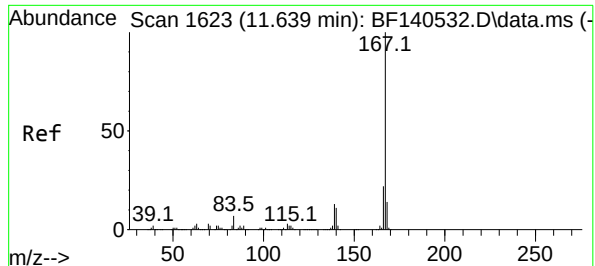
Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024



#72  
Anthracene  
Concen: 39.329 ng  
RT: 11.480 min Scan# 1596  
Delta R.T. 0.000 min  
Lab File: BF140532.D  
Acq: 21 Nov 2024 12:58

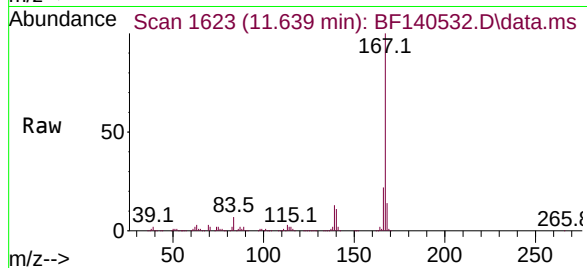
Tgt Ion:178 Resp: 808988  
Ion Ratio Lower Upper  
178 100  
176 18.7 15.0 22.4  
179 15.3 12.2 18.4





#73  
Carbazole  
Concen: 39.322 ng  
RT: 11.639 min Scan# 1623  
Delta R.T. 0.000 min  
Lab File: BF140532.D  
Acq: 21 Nov 2024 12:58

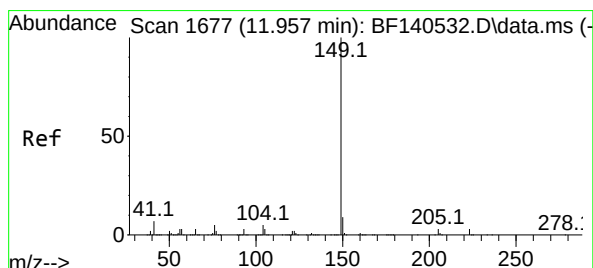
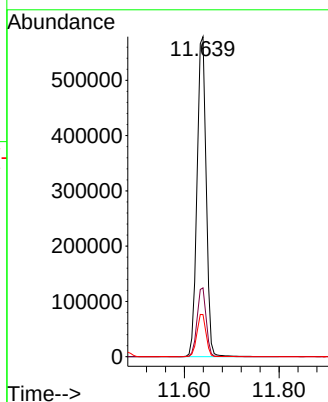
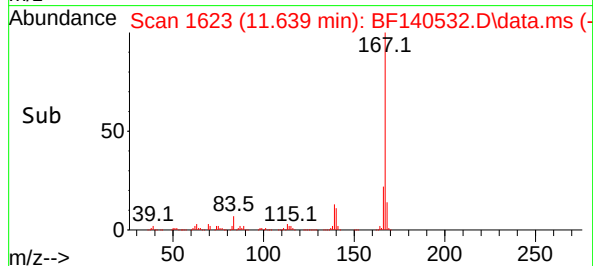
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICCC040



Tgt Ion:167 Resp: 77811  
Ion Ratio Lower Upper  
167 100  
166 21.5 17.2 25.8  
139 13.2 10.6 15.8

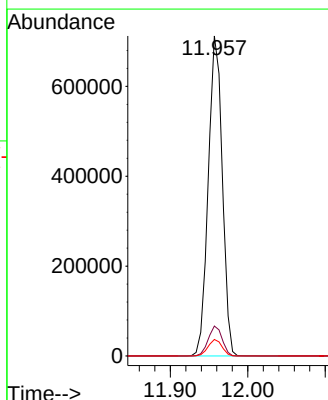
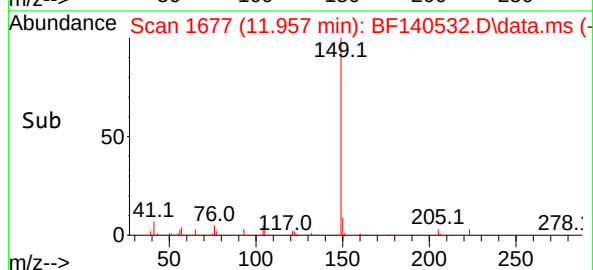
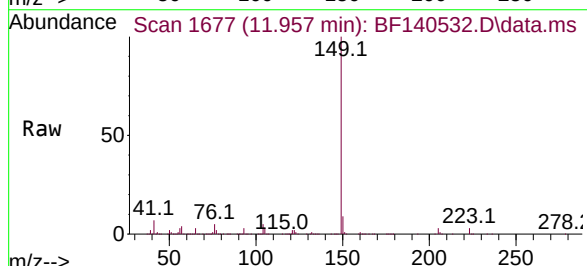
Manual Integrations  
APPROVED

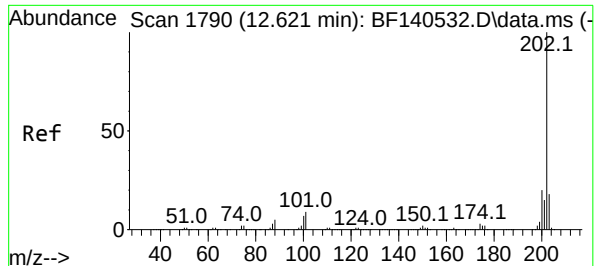
Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024



#74  
Di-n-butylphthalate  
Concen: 39.186 ng  
RT: 11.957 min Scan# 1677  
Delta R.T. 0.000 min  
Lab File: BF140532.D  
Acq: 21 Nov 2024 12:58

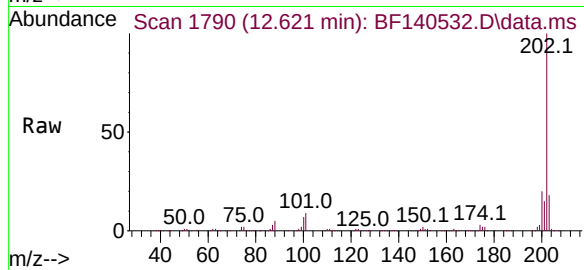
Tgt Ion:149 Resp: 895236  
Ion Ratio Lower Upper  
149 100  
150 9.4 7.5 11.3  
104 5.1 4.1 6.1





#75  
Fluoranthene  
Concen: 38.845 ng  
RT: 12.621 min Scan# 1790  
Delta R.T. 0.000 min  
Lab File: BF140532.D  
Acq: 21 Nov 2024 12:58

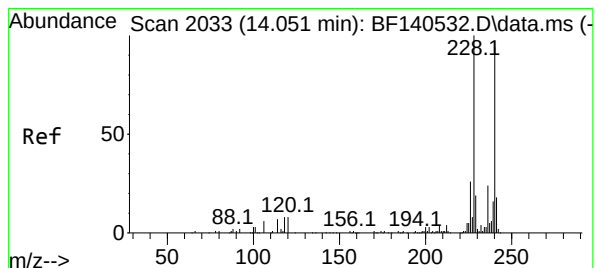
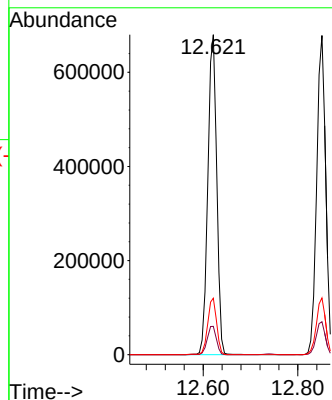
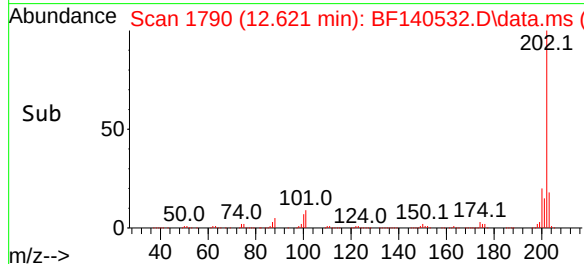
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICCC040



Tgt Ion:202 Resp: 886900  
Ion Ratio Lower Upper  
202 100  
101 8.9 0.0 28.9  
203 17.6 0.0 37.6

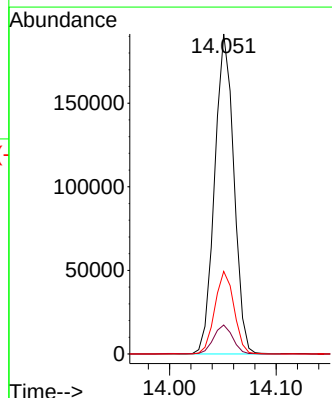
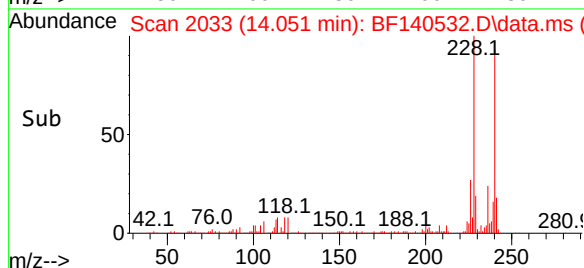
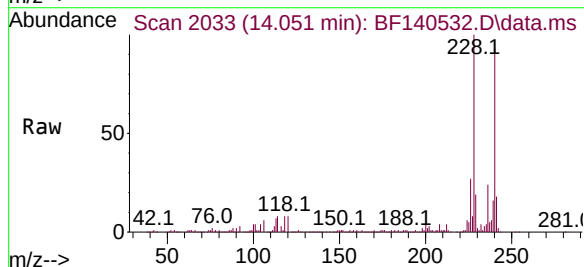
Manual Integrations  
APPROVED

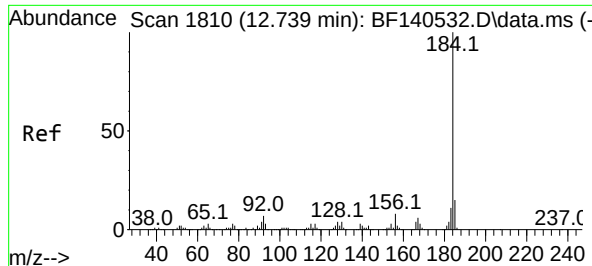
Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.051 min Scan# 2033  
Delta R.T. 0.000 min  
Lab File: BF140532.D  
Acq: 21 Nov 2024 12:58

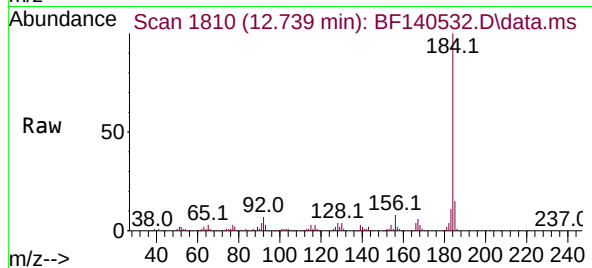
Tgt Ion:240 Resp: 239343  
Ion Ratio Lower Upper  
240 100  
120 9.1 7.3 10.9  
236 25.8 20.6 31.0





#77  
Benzidine  
Concen: 39.525 ng  
RT: 12.739 min Scan# 1810  
Delta R.T. 0.000 min  
Lab File: BF140532.D  
Acq: 21 Nov 2024 12:58

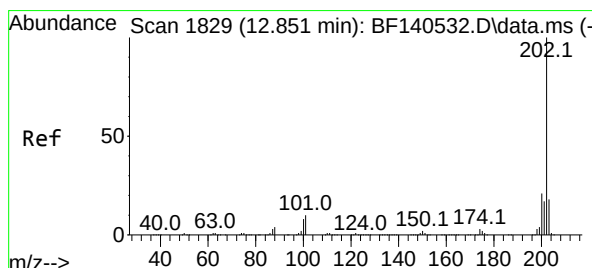
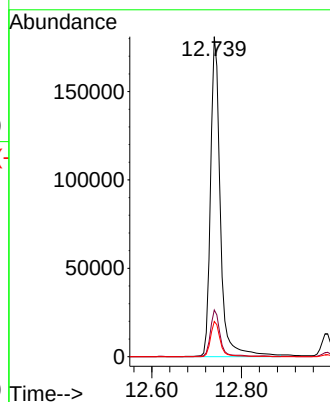
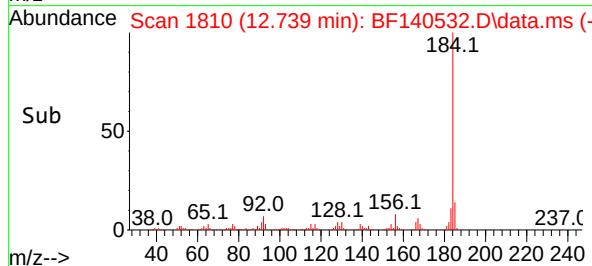
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICCC040



Tgt Ion:184 Resp: 27504  
Ion Ratio Lower Upper  
184 100  
185 14.6 11.7 17.5  
183 11.0 8.8 13.2

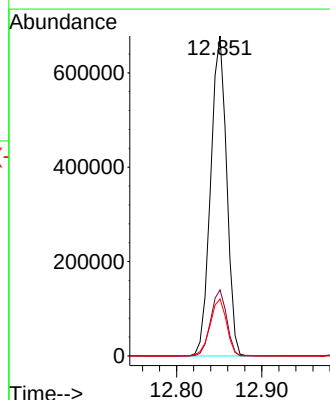
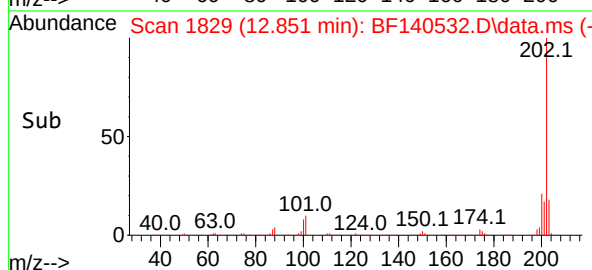
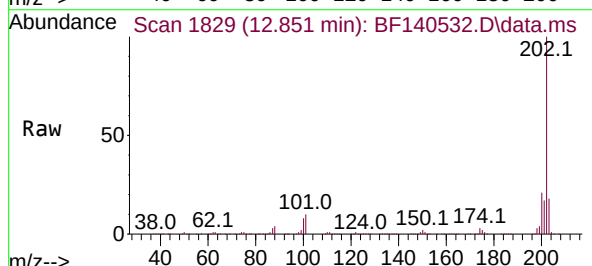
Manual Integrations  
APPROVED

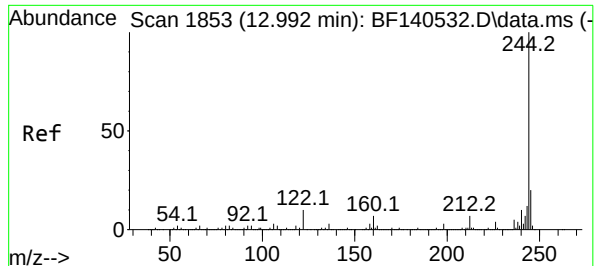
Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024



#78  
Pyrene  
Concen: 40.090 ng  
RT: 12.851 min Scan# 1829  
Delta R.T. 0.000 min  
Lab File: BF140532.D  
Acq: 21 Nov 2024 12:58

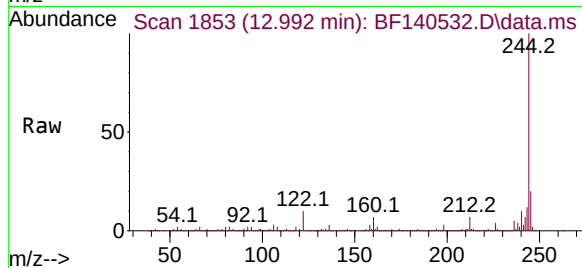
Tgt Ion:202 Resp: 887193  
Ion Ratio Lower Upper  
202 100  
200 20.6 16.5 24.7  
203 17.8 14.2 21.4





#79  
Terphenyl-d14  
Concen: 79.896 ng  
RT: 12.992 min Scan# 1853  
Delta R.T. 0.000 min  
Lab File: BF140532.D  
Acq: 21 Nov 2024 12:58

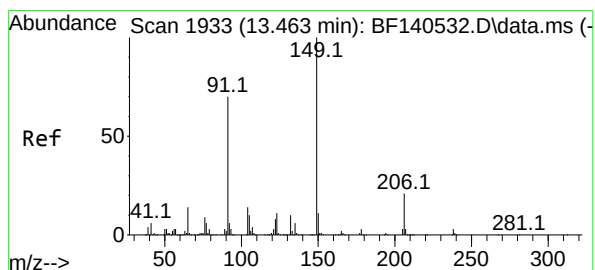
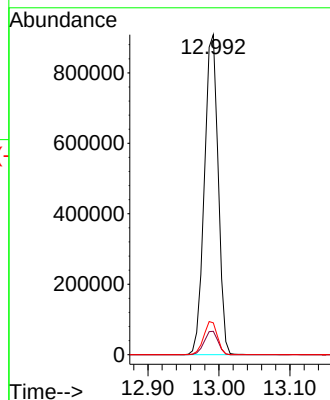
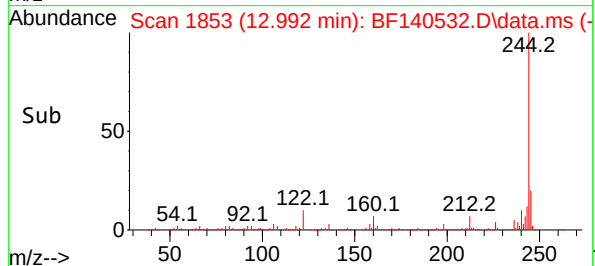
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICCC040



Tgt Ion:244 Resp: 1228064  
Ion Ratio Lower Upper  
244 100  
212 7.3 5.8 8.8  
122 10.0 8.0 12.0

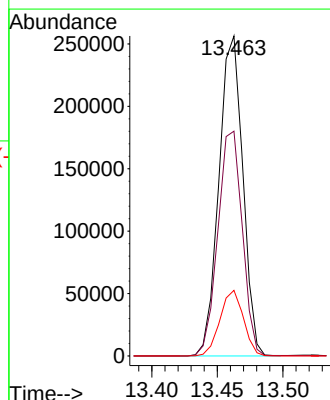
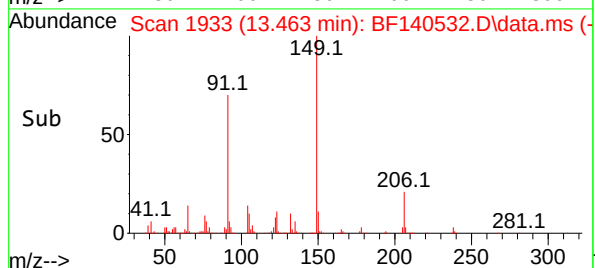
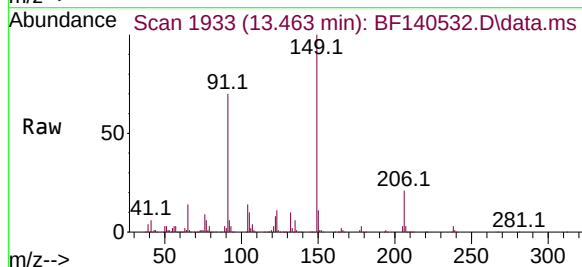
Manual Integrations  
APPROVED

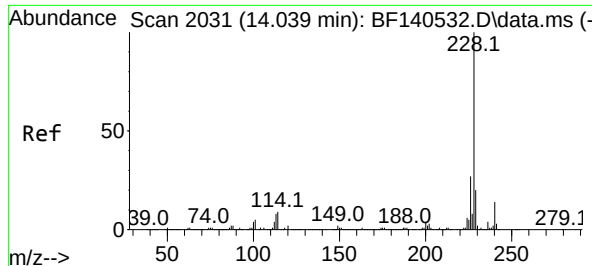
Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024



#80  
Butylbenzylphthalate  
Concen: 40.751 ng  
RT: 13.463 min Scan# 1933  
Delta R.T. 0.000 min  
Lab File: BF140532.D  
Acq: 21 Nov 2024 12:58

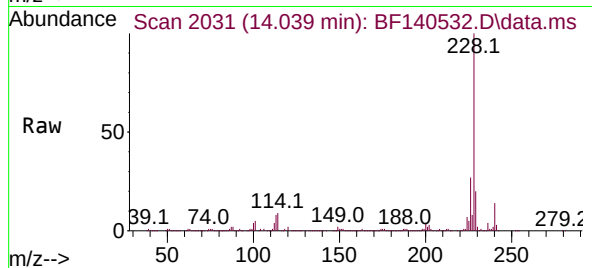
Tgt Ion:149 Resp: 324879  
Ion Ratio Lower Upper  
149 100  
91 70.2 56.2 84.2  
206 20.5 16.4 24.6





#81  
Benzo(a)anthracene  
Concen: 38.868 ng  
RT: 14.039 min Scan# 2031  
Delta R.T. 0.000 min  
Lab File: BF140532.D  
Acq: 21 Nov 2024 12:58

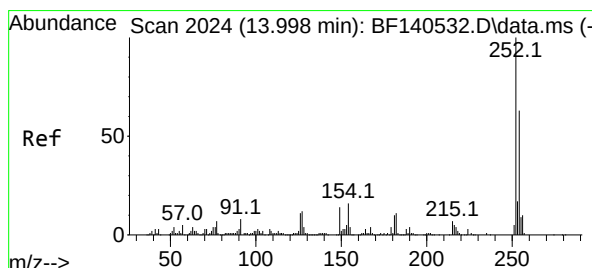
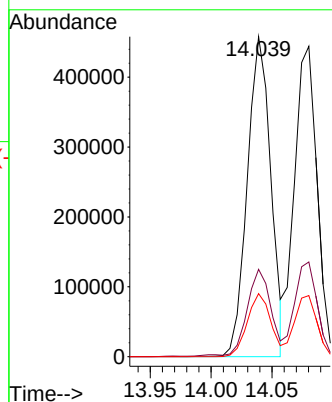
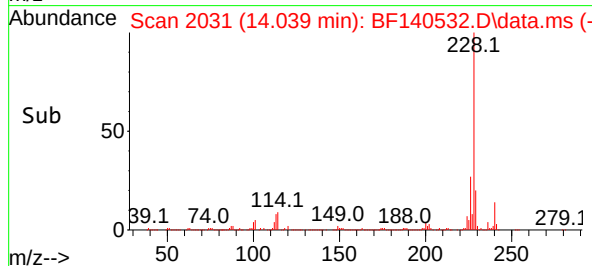
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICCC040



Tgt Ion:228 Resp: 615808  
Ion Ratio Lower Upper  
228 100  
226 27.3 21.8 32.8  
229 19.7 15.8 23.6

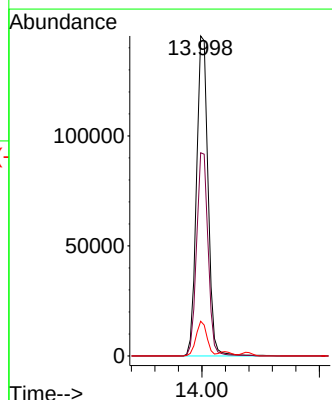
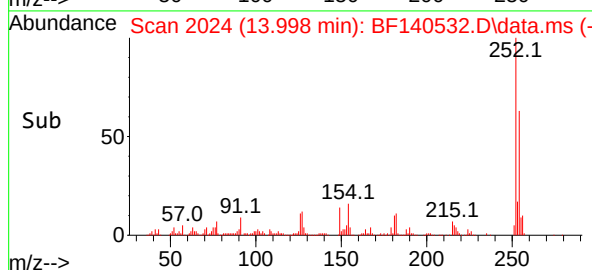
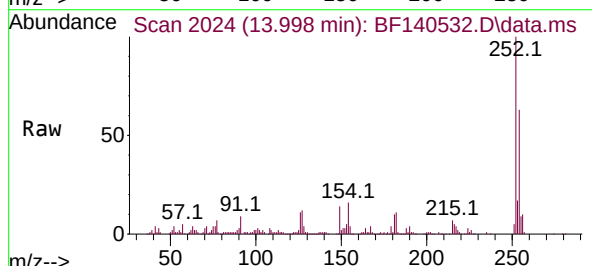
Manual Integrations  
APPROVED

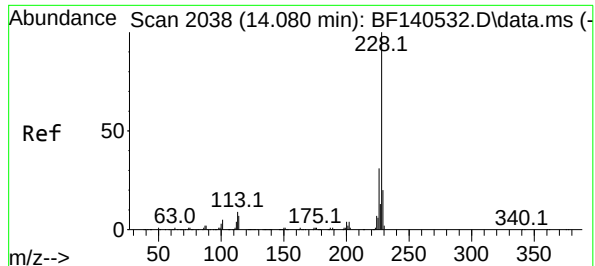
Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024



#82  
3,3'-Dichlorobenzidine  
Concen: 41.554 ng  
RT: 13.998 min Scan# 2024  
Delta R.T. 0.000 min  
Lab File: BF140532.D  
Acq: 21 Nov 2024 12:58

Tgt Ion:252 Resp: 197667  
Ion Ratio Lower Upper  
252 100  
254 63.5 50.8 76.2  
126 10.8 8.6 13.0





#83

Chrysene

Concen: 39.696 ng

RT: 14.080 min Scan# 2038

Delta R.T. 0.000 min

Lab File: BF140532.D

Acq: 21 Nov 2024 12:58

Instrument :

BNA\_F

ClientSampleId :

SSTDICCC040

Tgt Ion:228 Resp: 575079

Ion Ratio Lower Upper

228 100

226 30.5 24.4 36.6

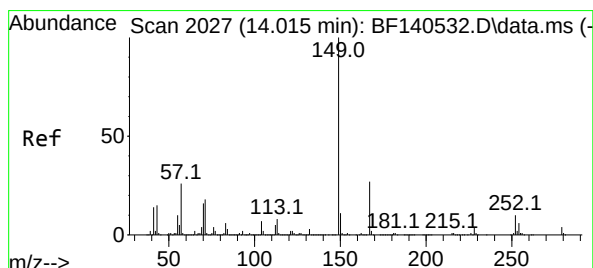
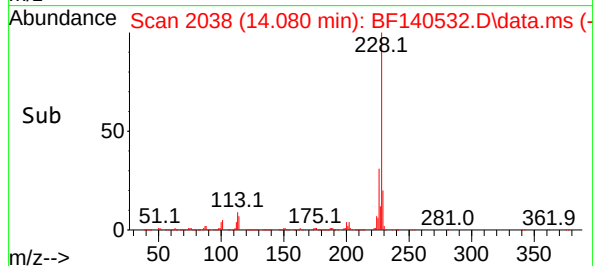
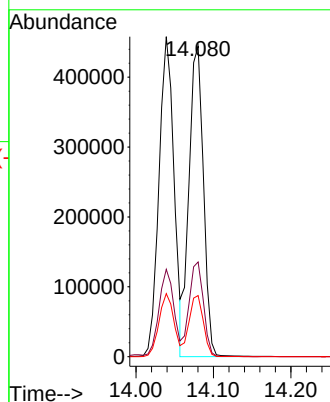
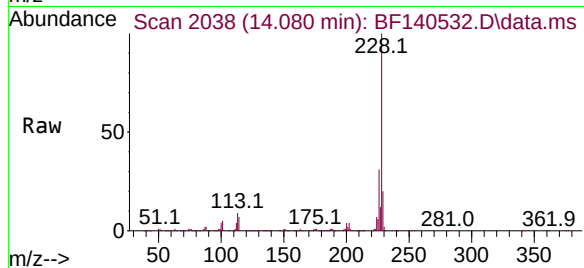
229 19.7 15.8 23.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/27/2024



#84

Bis(2-ethylhexyl)phthalate

Concen: 39.604 ng

RT: 14.015 min Scan# 2027

Delta R.T. 0.000 min

Lab File: BF140532.D

Acq: 21 Nov 2024 12:58

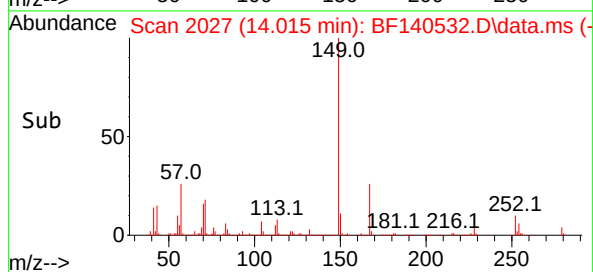
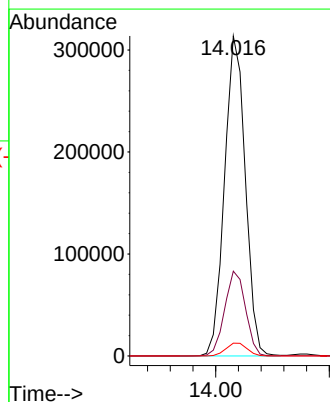
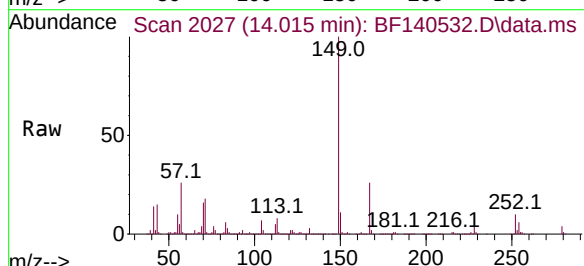
Tgt Ion:149 Resp: 398677

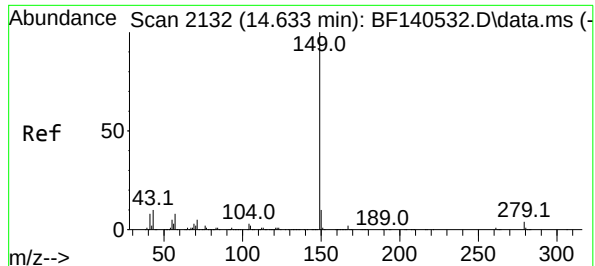
Ion Ratio Lower Upper

149 100

167 26.5 21.2 31.8

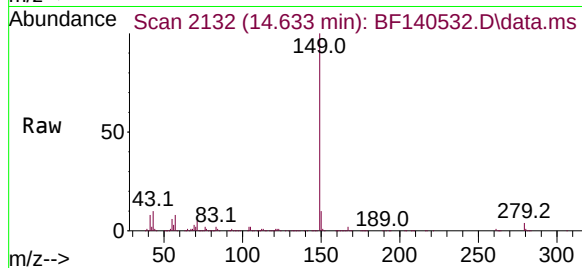
279 4.0 3.2 4.8





#85  
Di-n-octyl phthalate  
Concen: 39.393 ng  
RT: 14.633 min Scan# 2132  
Delta R.T. 0.000 min  
Lab File: BF140532.D  
Acq: 21 Nov 2024 12:58

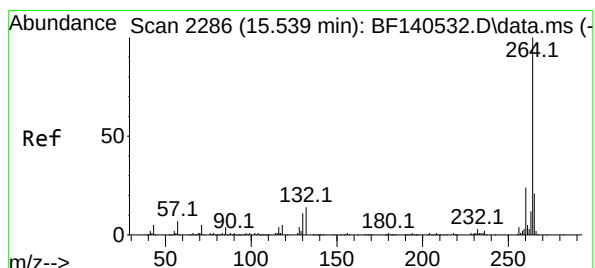
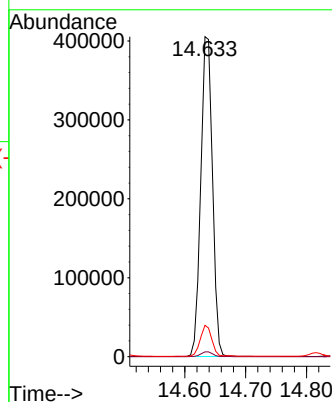
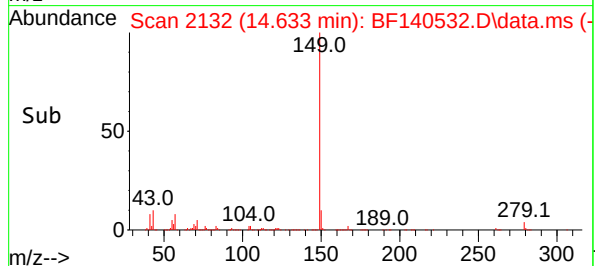
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICCC040



Tgt Ion:149 Resp: 54193  
Ion Ratio Lower Upper  
149 100  
167 1.6 1.3 1.9  
43 9.6 7.7 11.5

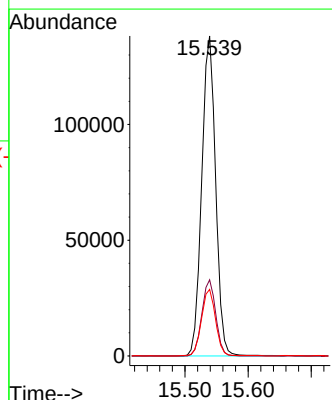
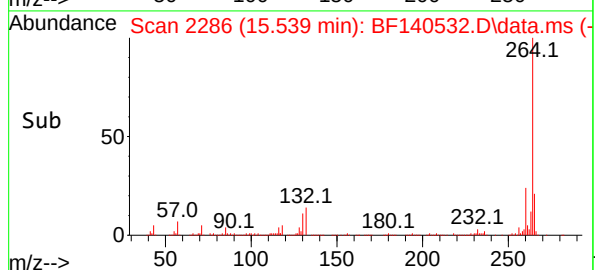
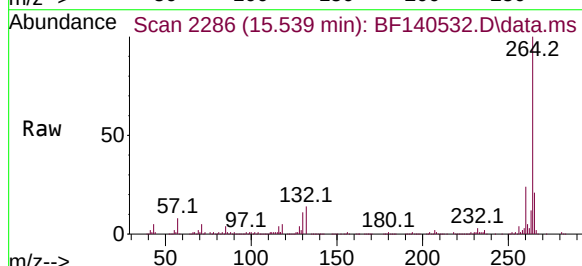
Manual Integrations  
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Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024

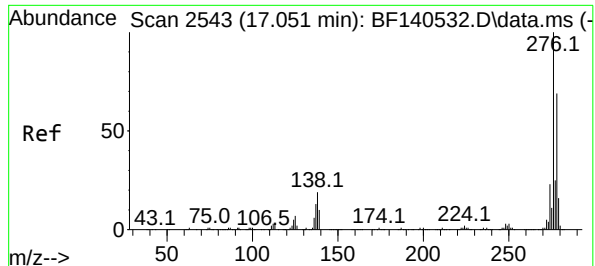


#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.539 min Scan# 2286  
Delta R.T. 0.000 min  
Lab File: BF140532.D  
Acq: 21 Nov 2024 12:58

Tgt Ion:264 Resp: 211422  
Ion Ratio Lower Upper  
264 100  
260 23.8 19.0 28.6  
265 20.8 16.6 25.0







#87

Indeno(1,2,3-cd)pyrene

Concen: 40.034 ng

RT: 17.051 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF140532.D

Acq: 21 Nov 2024 12:58

Instrument :

BNA\_F

ClientSampleId :

SSTDICCC040

Tgt Ion:276 Resp: 551590

Ion Ratio Lower Upper

276 100

138 19.4 15.5 23.3

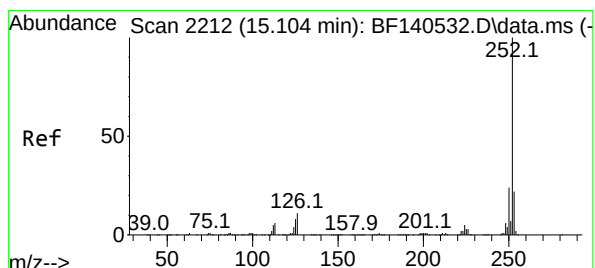
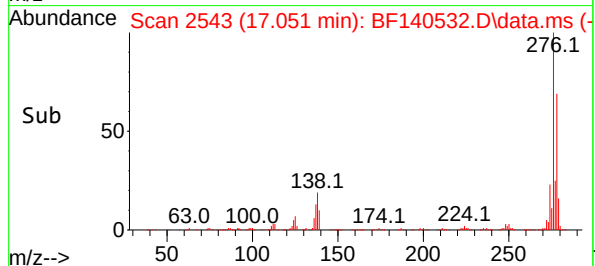
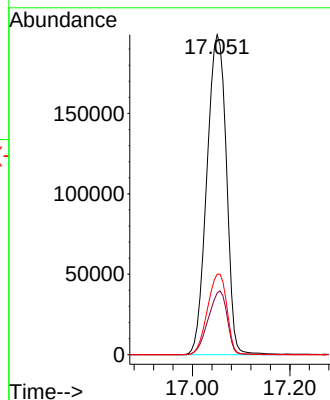
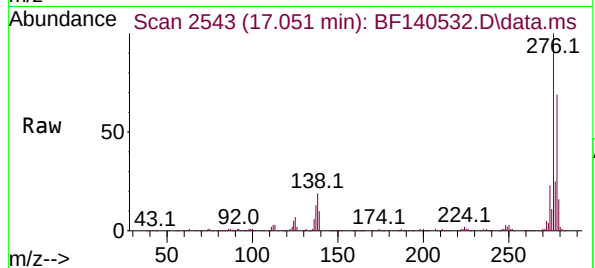
277 25.1 20.1 30.1

Manual Integrations

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Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/27/2024



#88

Benzo(b)fluoranthene

Concen: 37.772 ng

RT: 15.104 min Scan# 2212

Delta R.T. 0.000 min

Lab File: BF140532.D

Acq: 21 Nov 2024 12:58

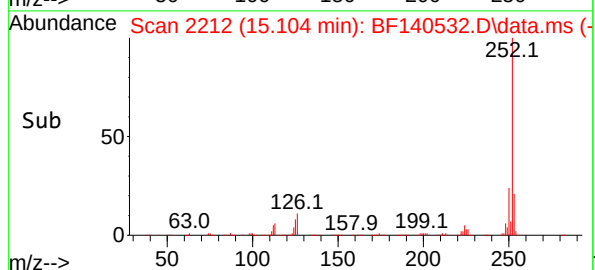
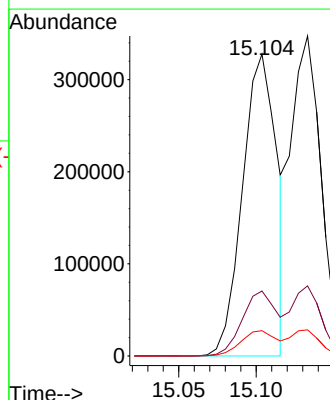
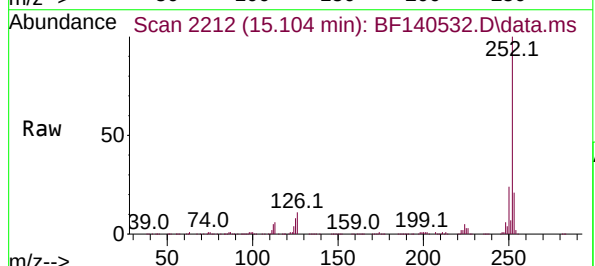
Tgt Ion:252 Resp: 501607

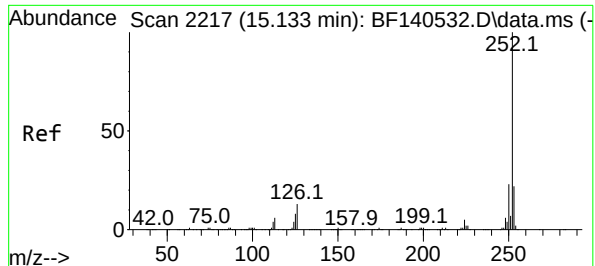
Ion Ratio Lower Upper

252 100

253 21.5 17.2 25.8

125 8.4 6.7 10.1





#89

Benzo(k)fluoranthene

Concen: 40.067 ng

RT: 15.133 min Scan# 2217

Delta R.T. 0.000 min

Lab File: BF140532.D

Acq: 21 Nov 2024 12:58

Instrument :

BNA\_F

ClientSampleId :

SSTDICCC040

Tgt Ion:252 Resp: 465620

Ion Ratio Lower Upper

252 100

253 21.9 17.5 26.3

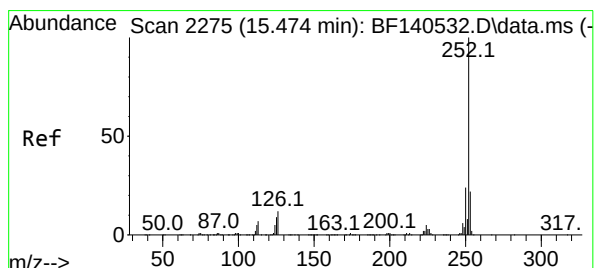
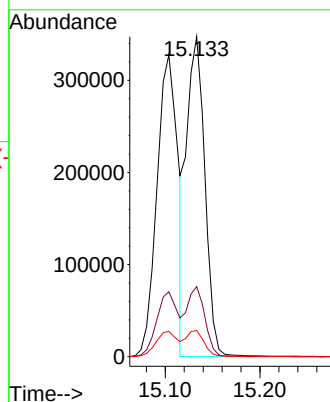
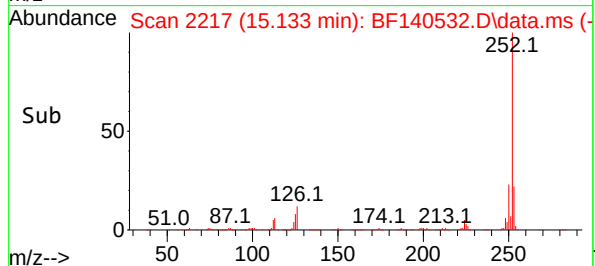
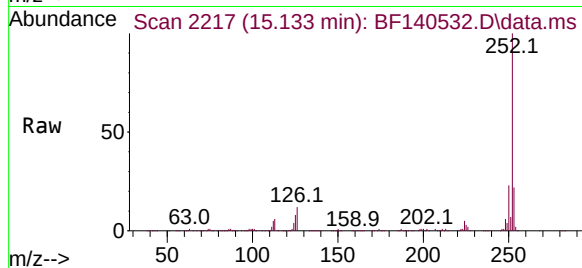
125 8.1 6.5 9.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/27/2024



#90

Benzo(a)pyrene

Concen: 39.444 ng

RT: 15.474 min Scan# 2275

Delta R.T. 0.000 min

Lab File: BF140532.D

Acq: 21 Nov 2024 12:58

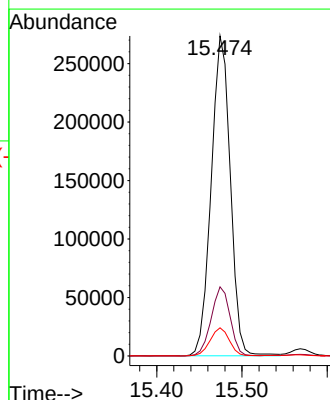
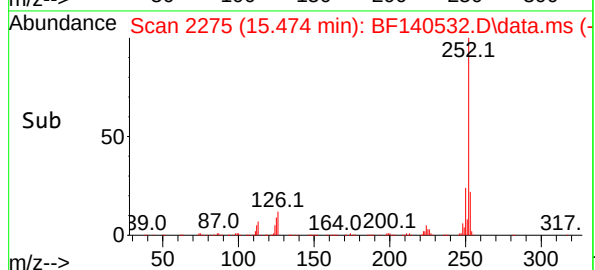
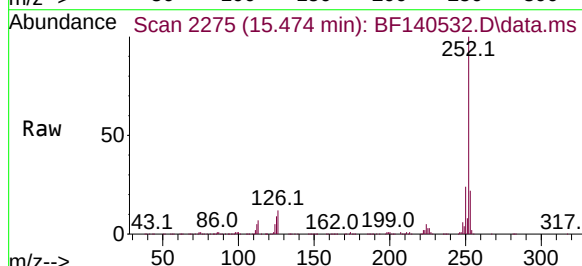
Tgt Ion:252 Resp: 425894

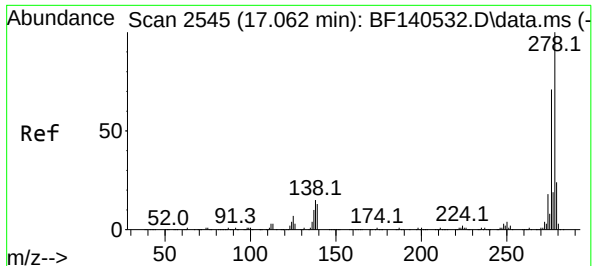
Ion Ratio Lower Upper

252 100

253 21.6 17.3 25.9

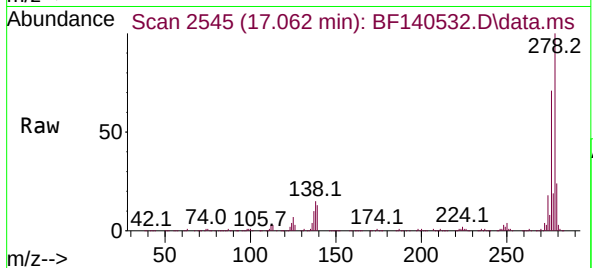
125 8.8 7.0 10.6





#91  
Dibenzo(a,h)anthracene  
Concen: 40.022 ng  
RT: 17.062 min Scan# 2545  
Delta R.T. 0.000 min  
Lab File: BF140532.D  
Acq: 21 Nov 2024 12:58

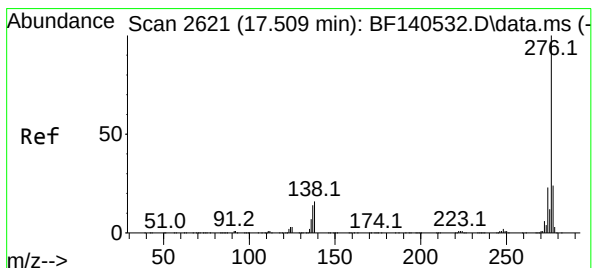
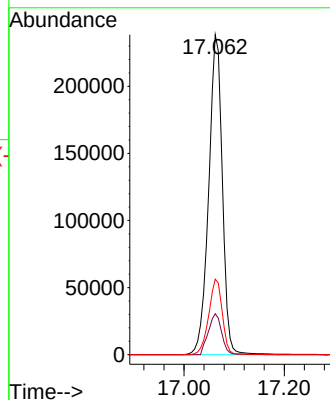
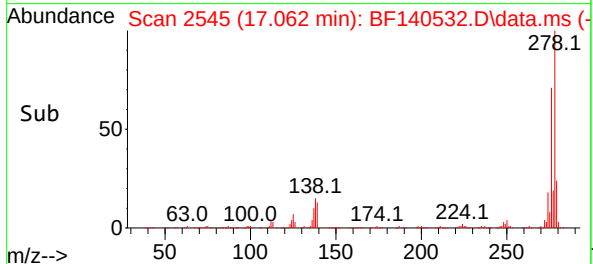
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICCC040



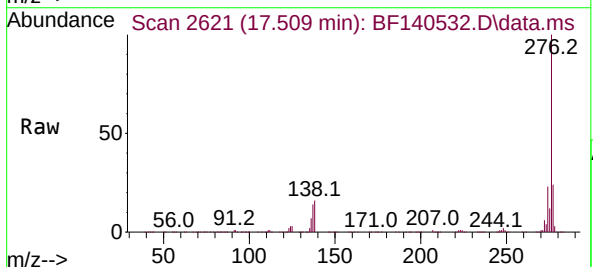
Tgt Ion:278 Resp: 451597  
Ion Ratio Lower Upper  
278 100  
139 12.8 10.2 15.4  
279 23.6 18.9 28.3

Manual Integrations  
APPROVED

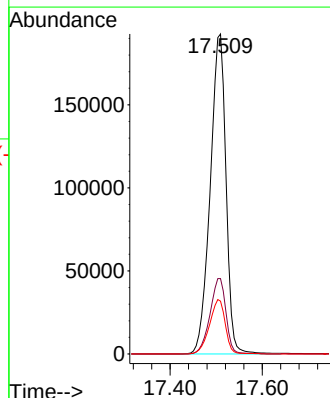
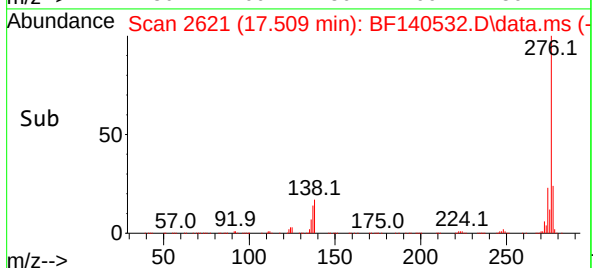
Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024



#92  
Benzo(g,h,i)perylene  
Concen: 39.861 ng  
RT: 17.509 min Scan# 2621  
Delta R.T. 0.000 min  
Lab File: BF140532.D  
Acq: 21 Nov 2024 12:58



Tgt Ion:276 Resp: 458972  
Ion Ratio Lower Upper  
276 100  
277 23.6 18.9 28.3  
138 16.5 13.2 19.8



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF112124\  
 Data File : BF140533.D  
 Acq On : 21 Nov 2024 13:25  
 Operator : RC/JU  
 Sample : SSTDICC050  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDICC050

Quant Time: Nov 21 15:13:26 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF112124.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Nov 21 14:50:10 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.875  | 152  | 117539   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.157  | 136  | 425301   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.916  | 164  | 233869   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.404 | 188  | 432727   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 14.057 | 240  | 241266   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12              | 15.545 | 264  | 219139   | 20.000 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.504  | 112  | 656695   | 95.327 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.522  | 99   | 860924   | 94.531 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.445  | 82   | 801144   | 96.352 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.710 | 330  | 245159   | 98.015 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.233  | 172  | 1467020  | 93.462 | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.992 | 244  | 1481875  | 95.640 | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.646  | 88   | 132951   | 45.902 | ng    | 99       |
| 3) Pyridine                   | 3.416  | 79   | 312094   | 48.973 | ng    | 97       |
| 4) n-Nitrosodimethylamine     | 3.387  | 42   | 185759   | 49.595 | ng    | 99       |
| 6) Aniline                    | 6.545  | 93   | 306198   | 47.767 | ng    | 99       |
| 8) 2-Chlorophenol             | 6.669  | 128  | 352950   | 47.623 | ng    | 97       |
| 9) Benzaldehyde               | 6.428  | 77   | 220959   | 45.830 | ng    | 100      |
| 10) Phenol                    | 6.534  | 94   | 444859   | 47.830 | ng    | 98       |
| 11) bis(2-Chloroethyl)ether   | 6.616  | 93   | 336892   | 47.335 | ng    | 100      |
| 12) 1,3-Dichlorobenzene       | 6.816  | 146  | 395334   | 47.472 | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 6.892  | 146  | 399191   | 47.341 | ng    | 100      |
| 14) 1,2-Dichlorobenzene       | 7.045  | 146  | 372552   | 47.151 | ng    | 98       |
| 15) Benzyl Alcohol            | 7.022  | 79   | 327081   | 48.428 | ng    | 99       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.151  | 45   | 392372   | 46.665 | ng    | 93       |
| 17) 2-Methylphenol            | 7.134  | 107  | 280882   | 47.344 | ng    | 98       |
| 18) Hexachloroethane          | 7.386  | 117  | 151045   | 47.961 | ng    | 99       |
| 19) n-Nitroso-di-n-propyla... | 7.292  | 70   | 251453   | 46.718 | ng    | 99       |
| 20) 3+4-Methylphenols         | 7.292  | 107  | 355860   | 46.666 | ng    | 95       |
| 22) Acetophenone              | 7.286  | 105  | 492194   | 47.469 | ng    | 98       |
| 24) Nitrobenzene              | 7.463  | 77   | 412860   | 48.043 | ng    | 99       |
| 25) Isophorone                | 7.698  | 82   | 668649   | 48.214 | ng    | 100      |
| 26) 2-Nitrophenol             | 7.775  | 139  | 189056   | 49.644 | ng    | 99       |
| 27) 2,4-Dimethylphenol        | 7.816  | 122  | 217017   | 47.628 | ng    | 99       |
| 28) bis(2-Chloroethoxy)met... | 7.904  | 93   | 402409   | 47.630 | ng    | 100      |
| 29) 2,4-Dichlorophenol        | 8.022  | 162  | 295023   | 48.863 | ng    | 98       |
| 30) 1,2,4-Trichlorobenzene    | 8.098  | 180  | 336812   | 48.858 | ng    | 98       |
| 31) Naphthalene               | 8.181  | 128  | 1055423  | 48.178 | ng    | 100      |
| 32) Benzoic acid              | 7.957  | 122  | 196545   | 49.333 | ng    | 99       |
| 33) 4-Chloroaniline           | 8.233  | 127  | 322212   | 49.125 | ng    | 99       |
| 34) Hexachlorobutadiene       | 8.292  | 225  | 221707   | 48.555 | ng    | 99       |
| 35) Caprolactam               | 8.616  | 113  | 90596    | 48.486 | ng    | 99       |
| 36) 4-Chloro-3-methylphenol   | 8.716  | 107  | 326418   | 48.287 | ng    | 99       |
| 37) 2-Methylnaphthalene       | 8.869  | 142  | 662592   | 47.620 | ng    | 100      |
| 38) 1-Methylnaphthalene       | 8.969  | 142  | 649248   | 47.603 | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 9.033  | 216  | 328190   | 47.935 | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 9.016  | 237  | 70831    | 49.123 | ng    | 97       |
| 43) 2,4,6-Trichlorophenol     | 9.151  | 196  | 212974   | 49.574 | ng    | 99       |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF112124\  
 Data File : BF140533.D  
 Acq On : 21 Nov 2024 13:25  
 Operator : RC/JU  
 Sample : SSTDICC050  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDICC050

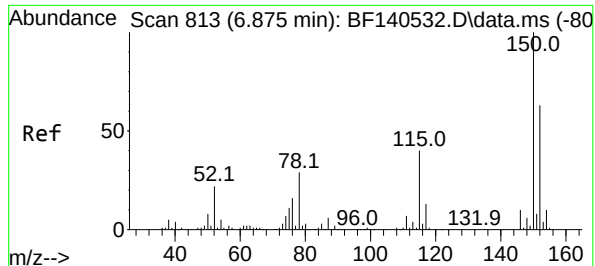
Quant Time: Nov 21 15:13:26 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF112124.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Nov 21 14:50:10 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.198  | 196  | 227840   | 48.866 | ng    | 98       |
| 46) 1,1'-Biphenyl             | 9.333  | 154  | 834139   | 47.772 | ng    | 99       |
| 47) 2-Chloronaphthalene       | 9.363  | 162  | 632459   | 47.803 | ng    | 99       |
| 48) 2-Nitroaniline            | 9.457  | 65   | 212420   | 50.020 | ng    | 98       |
| 49) Acenaphthylene            | 9.775  | 152  | 951784   | 47.612 | ng    | 99       |
| 50) Dimethylphthalate         | 9.639  | 163  | 740559   | 48.081 | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 9.704  | 165  | 169989   | 48.663 | ng    | 96       |
| 52) Acenaphthene              | 9.951  | 154  | 615149   | 47.524 | ng    | 99       |
| 53) 3-Nitroaniline            | 9.875  | 138  | 169234   | 49.534 | ng    | 96       |
| 54) 2,4-Dinitrophenol         | 9.980  | 184  | 84985    | 50.205 | ng    | 99       |
| 55) Dibenzofuran              | 10.122 | 168  | 911771   | 47.061 | ng    | 99       |
| 56) 4-Nitrophenol             | 10.045 | 139  | 124021   | 53.227 | ng    | 98       |
| 57) 2,4-Dinitrotoluene        | 10.110 | 165  | 225762   | 48.629 | ng    | 98       |
| 58) Fluorene                  | 10.463 | 166  | 738453   | 47.486 | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol | 10.245 | 232  | 178549   | 49.828 | ng    | 97       |
| 60) Diethylphthalate          | 10.333 | 149  | 755358   | 48.268 | ng    | 100      |
| 61) 4-Chlorophenyl-phenyle... | 10.451 | 204  | 361856   | 47.414 | ng    | 100      |
| 62) 4-Nitroaniline            | 10.492 | 138  | 180999   | 50.512 | ng    | 99       |
| 63) Azobenzene                | 10.616 | 77   | 704370   | 47.529 | ng    | 99       |
| 65) 4,6-Dinitro-2-methylph... | 10.522 | 198  | 119290   | 53.947 | ng    | 99       |
| 66) n-Nitrosodiphenylamine    | 10.574 | 169  | 623715   | 48.740 | ng    | 100      |
| 67) 4-Bromophenyl-phenylether | 10.945 | 248  | 216523   | 48.587 | ng    | 97       |
| 68) Hexachlorobenzene         | 11.016 | 284  | 251498   | 48.739 | ng    | 100      |
| 69) Atrazine                  | 11.098 | 200  | 159048   | 44.180 | ng    | 99       |
| 70) Pentachlorophenol         | 11.210 | 266  | 124128   | 54.656 | ng    | 99       |
| 71) Phenanthrene              | 11.427 | 178  | 1000897  | 48.118 | ng    | 100      |
| 72) Anthracene                | 11.480 | 178  | 978923   | 48.111 | ng    | 100      |
| 73) Carbazole                 | 11.639 | 167  | 948090   | 48.436 | ng    | 99       |
| 74) Di-n-butylphthalate       | 11.957 | 149  | 1105032  | 48.899 | ng    | 100      |
| 75) Fluoranthene              | 12.621 | 202  | 1080641  | 47.849 | ng    | 100      |
| 77) Benzidine                 | 12.745 | 184  | 442856   | 63.133 | ng    | 100      |
| 78) Pyrene                    | 12.851 | 202  | 1080149  | 48.420 | ng    | 100      |
| 80) Butylbenzylphthalate      | 13.463 | 149  | 394867   | 49.136 | ng    | 99       |
| 81) Benzo(a)anthracene        | 14.045 | 228  | 780853   | 48.892 | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine    | 14.004 | 252  | 244892   | 51.072 | ng    | 99       |
| 83) Chrysene                  | 14.080 | 228  | 685847   | 46.964 | ng    | 100      |
| 84) Bis(2-ethylhexyl)phtha... | 14.021 | 149  | 497161   | 48.994 | ng    | 100      |
| 85) Di-n-octyl phthalate      | 14.645 | 149  | 692020   | 49.901 | ng    | 100      |
| 87) Indeno(1,2,3-cd)pyrene    | 17.062 | 276  | 715720   | 50.117 | ng    | 100      |
| 88) Benzo(b)fluoranthene      | 15.109 | 252  | 683919   | 49.687 | ng    | 100      |
| 89) Benzo(k)fluoranthene      | 15.139 | 252  | 559704   | 46.467 | ng    | 100      |
| 90) Benzo(a)pyrene            | 15.486 | 252  | 546539   | 48.835 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 17.074 | 278  | 588742   | 50.339 | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 17.521 | 276  | 599158   | 50.203 | ng    | 99       |

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

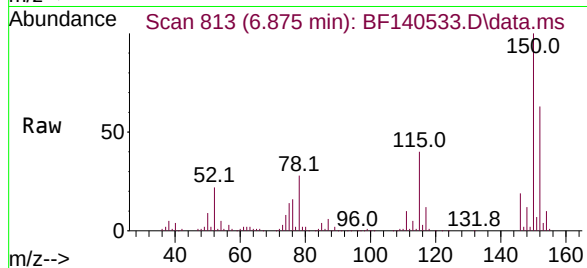
**Instrument :**  
BNA\_F  
**ClientSampleId :**  
SSTDICC050

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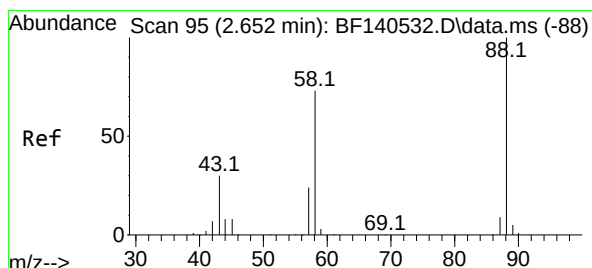
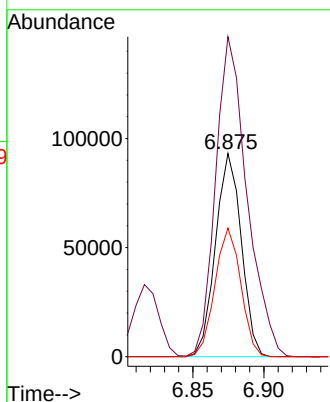
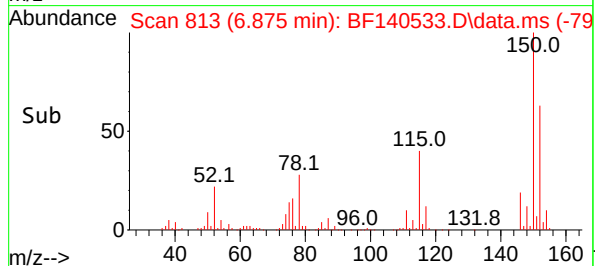


#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.875 min Scan# 81  
Delta R.T. -0.000 min  
Lab File: BF140533.D  
Acq: 21 Nov 2024 13:25

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC050

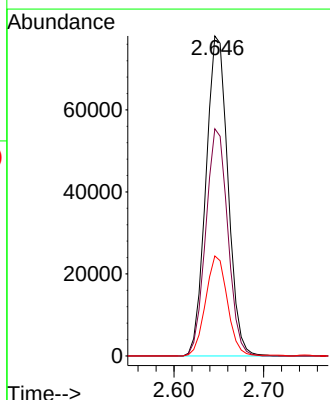
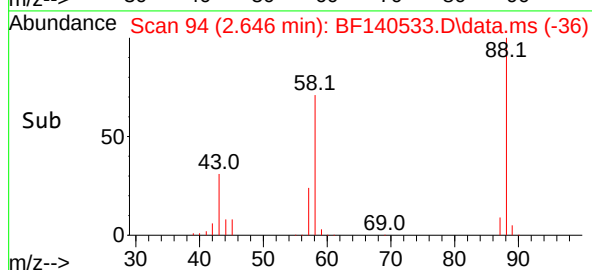
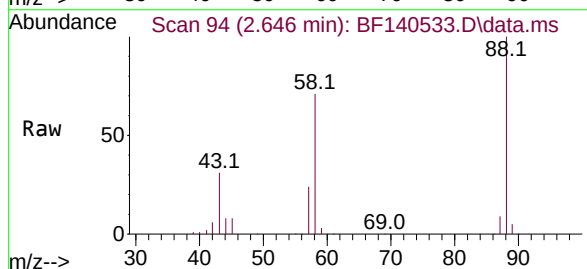


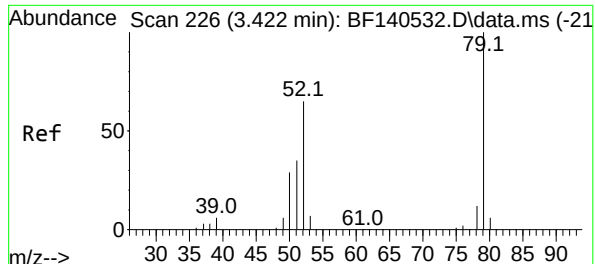
Tgt Ion:152 Resp: 117539  
Ion Ratio Lower Upper  
152 100  
150 157.5 128.5 192.7  
115 63.3 50.2 75.4



#2  
1,4-Dioxane  
Concen: 45.902 ng  
RT: 2.646 min Scan# 94  
Delta R.T. -0.006 min  
Lab File: BF140533.D  
Acq: 21 Nov 2024 13:25

Tgt Ion: 88 Resp: 132951  
Ion Ratio Lower Upper  
88 100  
58 71.1 57.4 86.2  
43 31.0 24.3 36.5





#3

Pyridine

Concen: 48.973 ng

RT: 3.416 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF140533.D

Acq: 21 Nov 2024 13:25

Instrument :

BNA\_F

ClientSampleId :

SSTDICC050

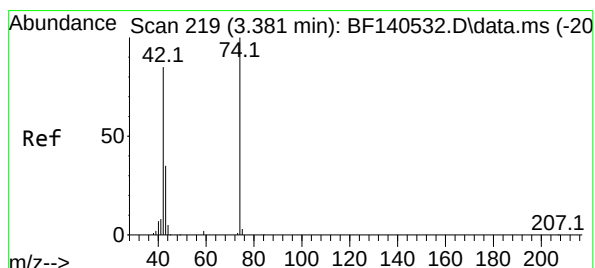
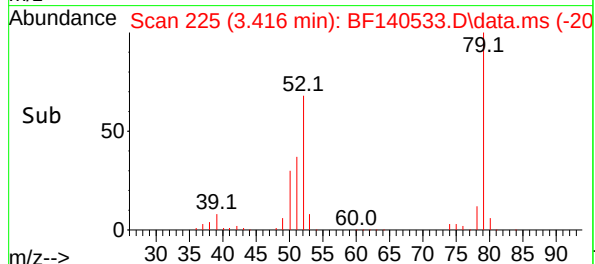
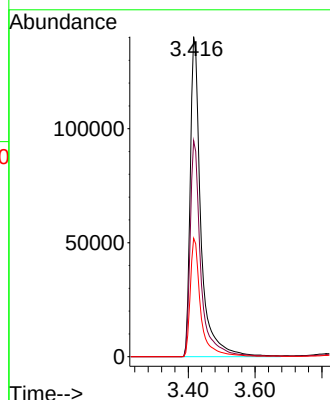
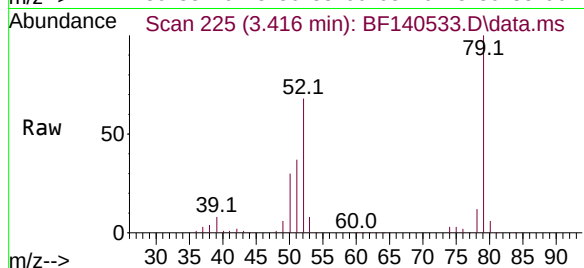
Tgt Ion: 79 Resp: 312094

Ion Ratio Lower Upper

79 100

52 67.5 52.1 78.1

51 37.0 27.8 41.8



#4

n-Nitrosodimethylamine

Concen: 49.595 ng

RT: 3.387 min Scan# 220

Delta R.T. 0.006 min

Lab File: BF140533.D

Acq: 21 Nov 2024 13:25

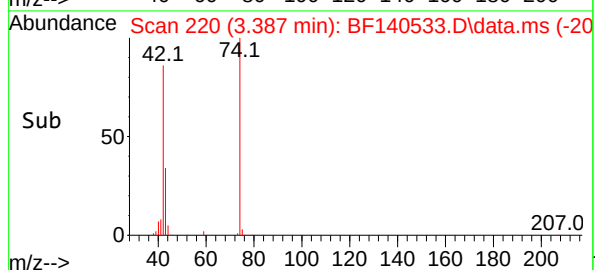
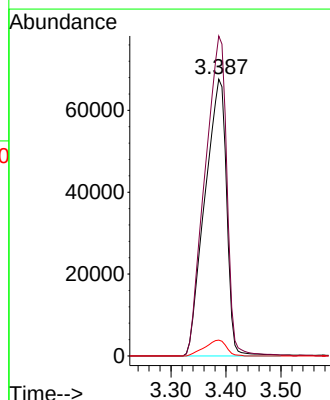
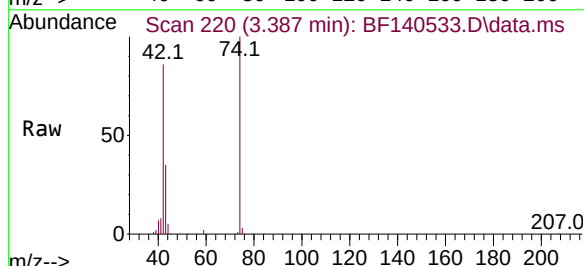
Tgt Ion: 42 Resp: 185759

Ion Ratio Lower Upper

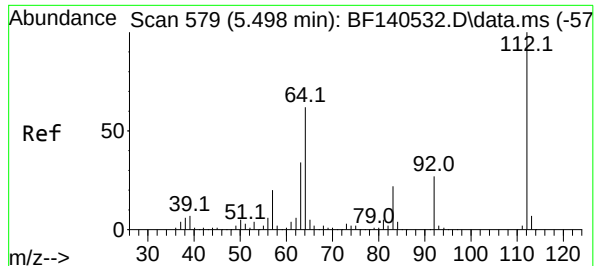
42 100

74 115.6 93.8 140.6

44 5.7 4.6 6.8



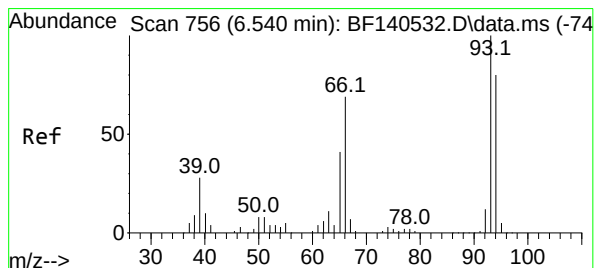
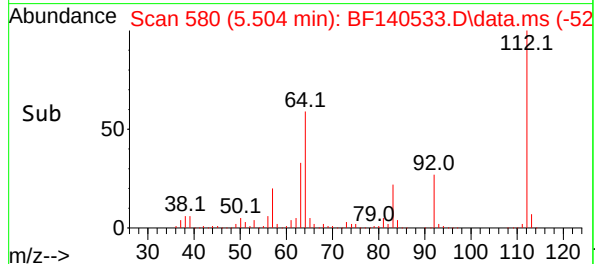
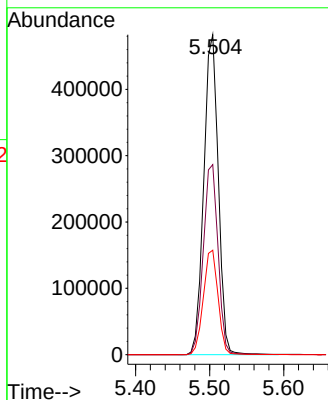
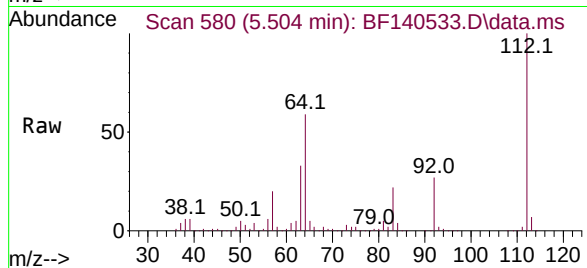




#5  
2-Fluorophenol  
Concen: 95.327 ng  
RT: 5.504 min Scan# 51  
Delta R.T. 0.006 min  
Lab File: BF140533.D  
Acq: 21 Nov 2024 13:25

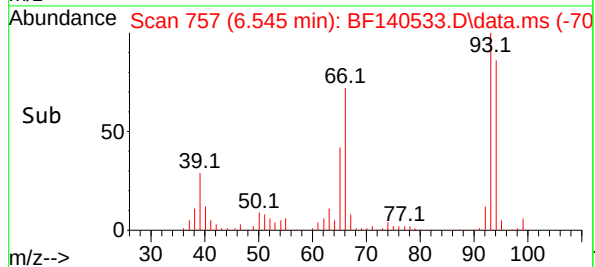
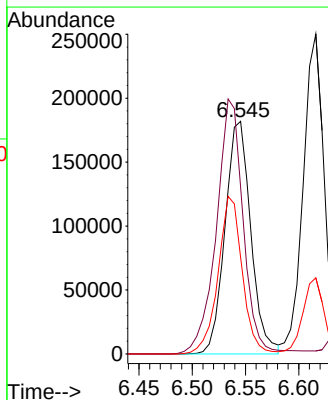
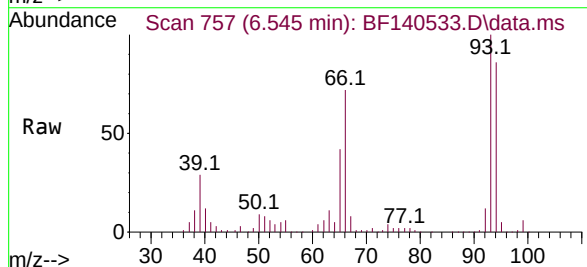
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC050

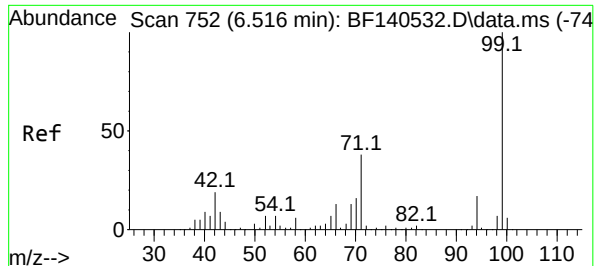
Tgt Ion:112 Resp: 656695  
Ion Ratio Lower Upper  
112 100  
64 59.4 49.2 73.8  
63 32.7 27.0 40.4



#6  
Aniline  
Concen: 47.767 ng  
RT: 6.545 min Scan# 757  
Delta R.T. 0.006 min  
Lab File: BF140533.D  
Acq: 21 Nov 2024 13:25

Tgt Ion: 93 Resp: 306198  
Ion Ratio Lower Upper  
93 100  
66 71.8 56.5 84.7  
65 41.5 32.9 49.3





#7

Phenol-d6

Concen: 94.531 ng

RT: 6.522 min Scan# 71

Delta R.T. 0.006 min

Lab File: BF140533.D

Acq: 21 Nov 2024 13:25

Instrument :

BNA\_F

ClientSampleId :

SSTDICC050

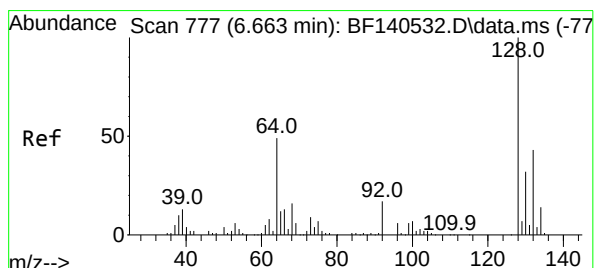
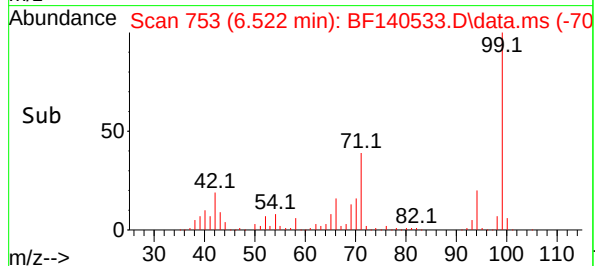
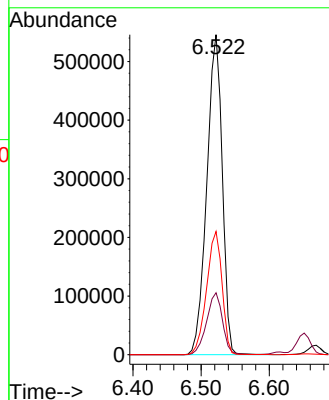
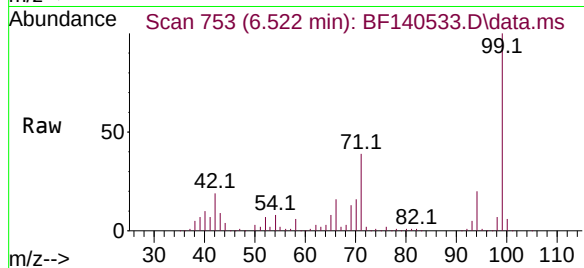
Tgt Ion: 99 Resp: 860924

Ion Ratio Lower Upper

99 100

42 19.3 15.4 23.0

71 38.5 30.6 46.0



#8

2-Chlorophenol

Concen: 47.623 ng

RT: 6.669 min Scan# 778

Delta R.T. 0.006 min

Lab File: BF140533.D

Acq: 21 Nov 2024 13:25

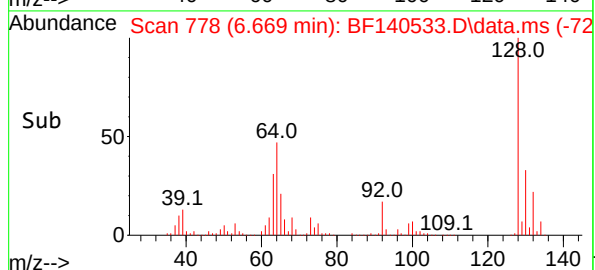
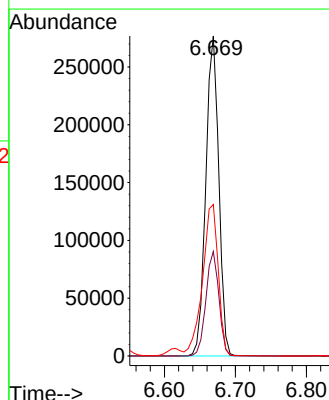
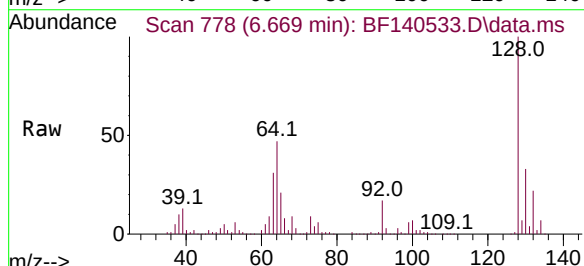
Tgt Ion:128 Resp: 352950

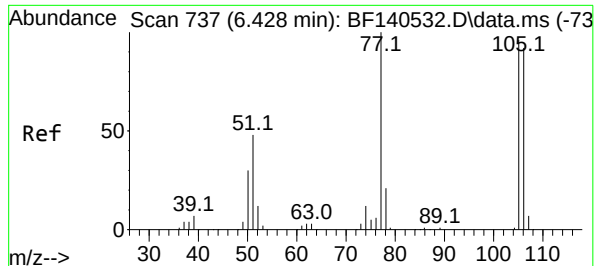
Ion Ratio Lower Upper

128 100

130 32.7 12.3 52.3

64 47.3 30.2 70.2





#9

Benzaldehyde

Concen: 45.830 ng

RT: 6.428 min Scan# 71

Delta R.T. -0.000 min

Lab File: BF140533.D

Acq: 21 Nov 2024 13:25

Instrument :

BNA\_F

ClientSampleId :

SSTDICC050

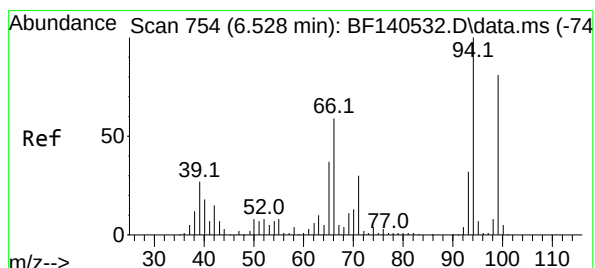
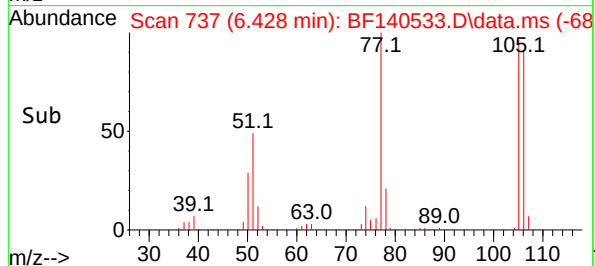
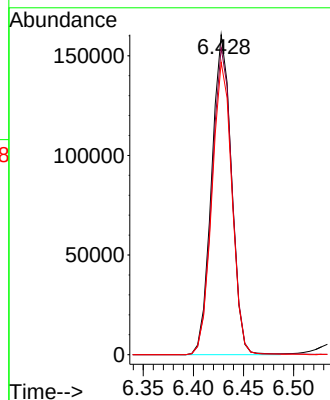
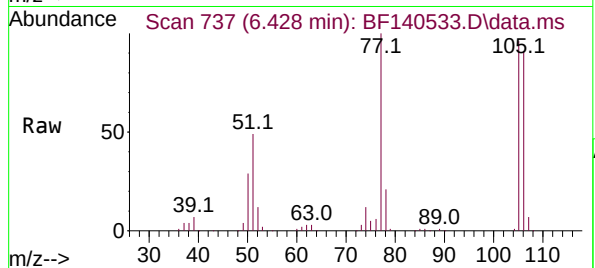
Tgt Ion: 77 Resp: 220959

Ion Ratio Lower Upper

77 100

105 95.9 75.6 115.6

106 91.4 72.0 112.0



#10

Phenol

Concen: 47.830 ng

RT: 6.534 min Scan# 755

Delta R.T. 0.006 min

Lab File: BF140533.D

Acq: 21 Nov 2024 13:25

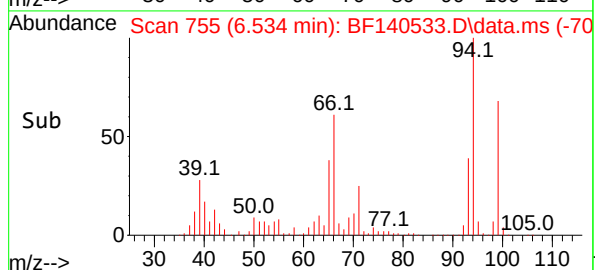
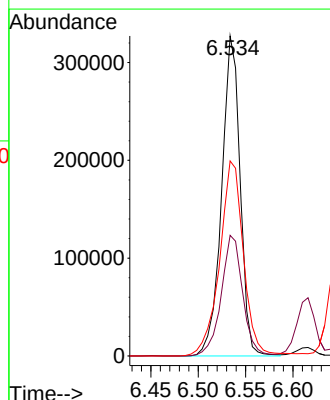
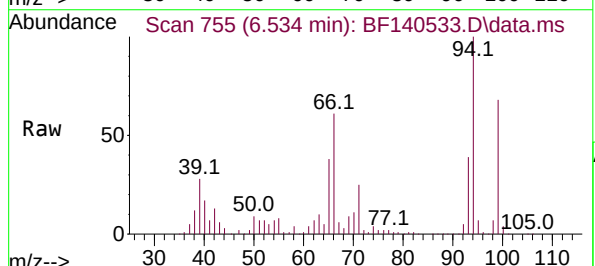
Tgt Ion: 94 Resp: 444859

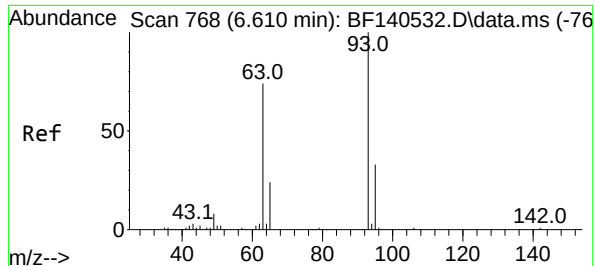
Ion Ratio Lower Upper

94 100

65 37.7 17.2 57.2

66 61.0 39.2 79.2





#11

bis(2-Chloroethyl)ether

Concen: 47.335 ng

RT: 6.616 min Scan# 768

Delta R.T. 0.006 min

Lab File: BF140533.D

Acq: 21 Nov 2024 13:25

Instrument :

BNA\_F

ClientSampleId :

SSTDICC050

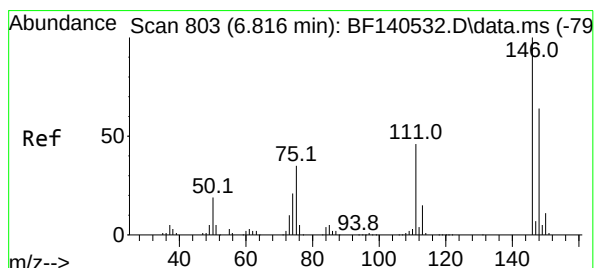
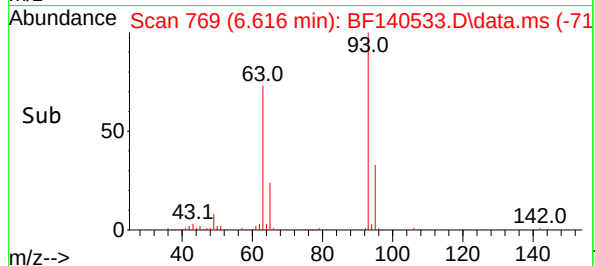
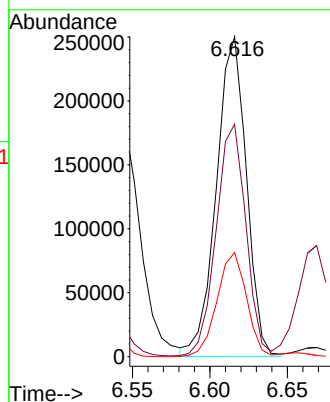
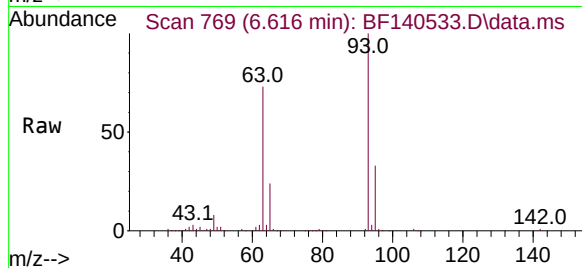
Tgt Ion: 93 Resp: 336892

Ion Ratio Lower Upper

93 100

63 72.7 52.8 92.8

95 32.5 12.3 52.3



#12

1,3-Dichlorobenzene

Concen: 47.472 ng

RT: 6.816 min Scan# 803

Delta R.T. -0.000 min

Lab File: BF140533.D

Acq: 21 Nov 2024 13:25

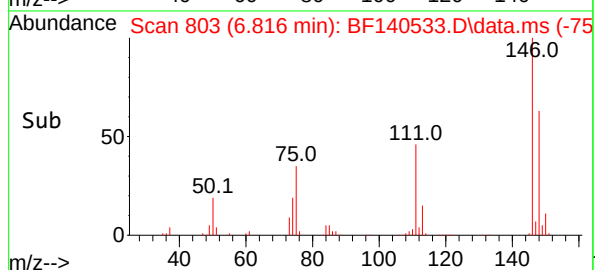
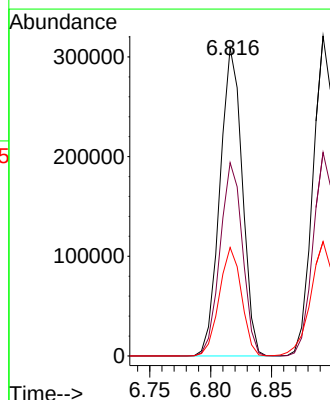
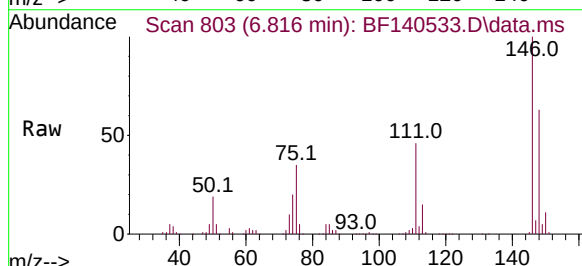
Tgt Ion:146 Resp: 395334

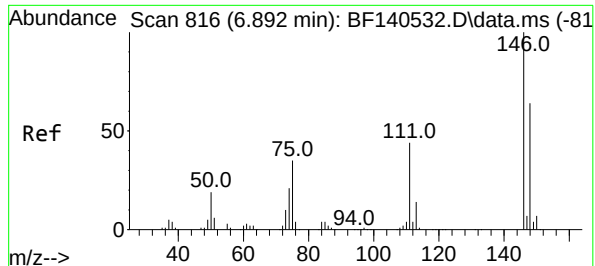
Ion Ratio Lower Upper

146 100

148 62.7 51.3 76.9

75 35.2 28.2 42.2





#13

1,4-Dichlorobenzene

Concen: 47.341 ng

RT: 6.892 min Scan# 816

Delta R.T. -0.000 min

Lab File: BF140533.D

Acq: 21 Nov 2024 13:25

Instrument :

BNA\_F

ClientSampleId :

SSTDICC050

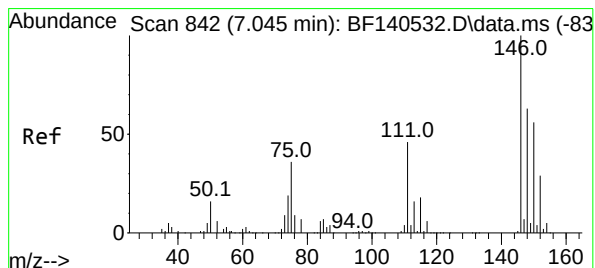
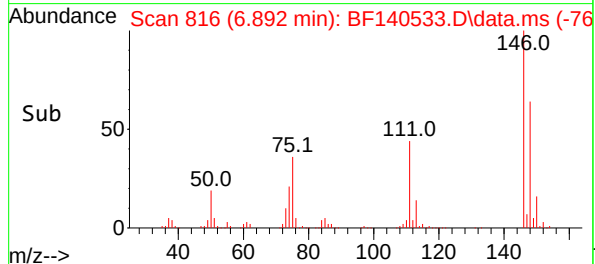
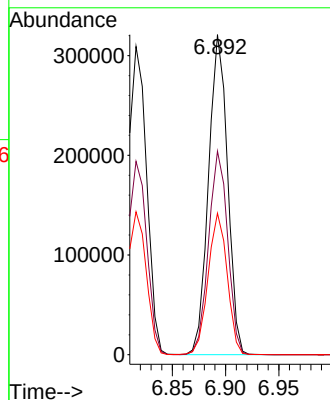
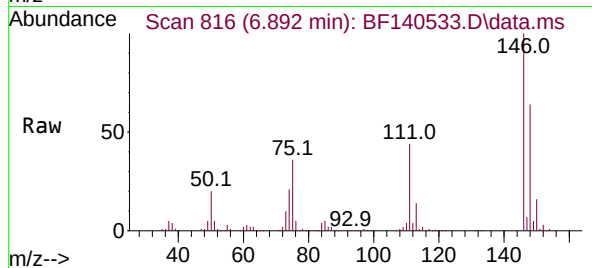
Tgt Ion:146 Resp: 399191

Ion Ratio Lower Upper

146 100

148 63.6 51.0 76.6

111 44.2 35.3 52.9



#14

1,2-Dichlorobenzene

Concen: 47.151 ng

RT: 7.045 min Scan# 842

Delta R.T. -0.000 min

Lab File: BF140533.D

Acq: 21 Nov 2024 13:25

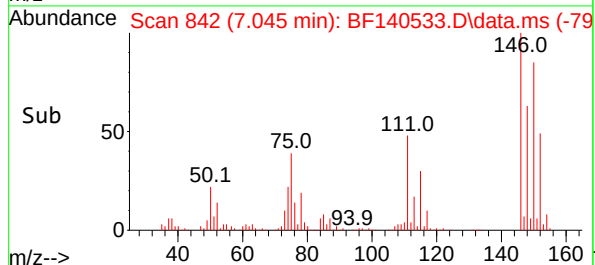
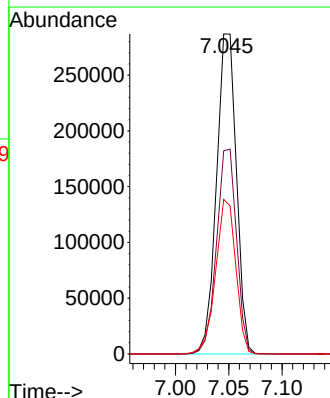
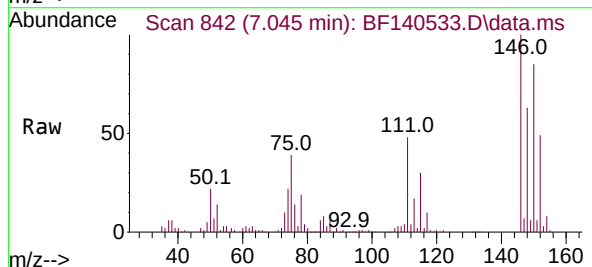
Tgt Ion:146 Resp: 372552

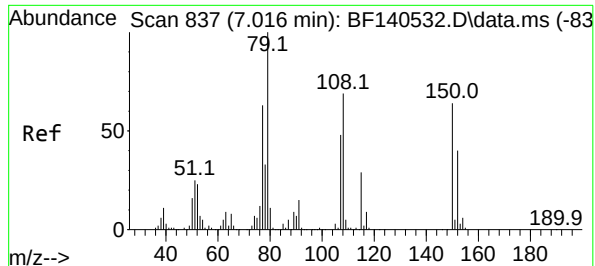
Ion Ratio Lower Upper

146 100

148 63.5 50.5 75.7

111 48.3 36.7 55.1





#15

Benzyl Alcohol

Concen: 48.428 ng

RT: 7.022 min Scan# 81

Delta R.T. 0.006 min

Lab File: BF140533.D

Acq: 21 Nov 2024 13:25

Instrument :

BNA\_F

ClientSampleId :

SSTDICC050

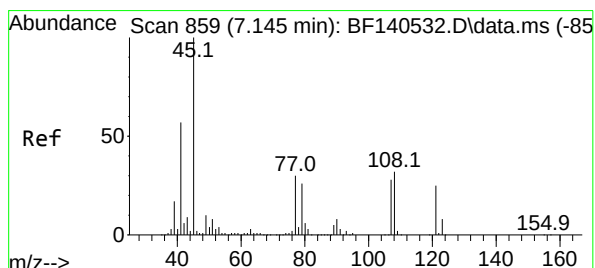
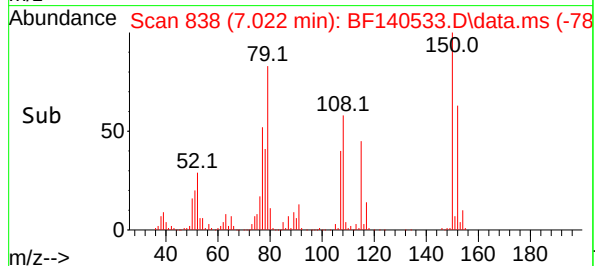
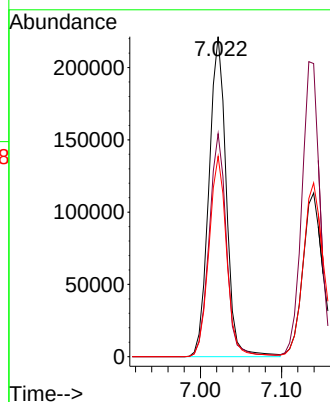
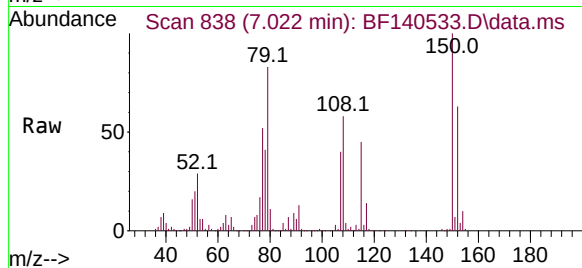
Tgt Ion: 79 Resp: 327081

Ion Ratio Lower Upper

79 100

108 69.7 55.0 82.6

77 62.6 50.1 75.1



#16

2,2'-oxybis(1-Chloropropane)

Concen: 46.665 ng

RT: 7.151 min Scan# 860

Delta R.T. 0.006 min

Lab File: BF140533.D

Acq: 21 Nov 2024 13:25

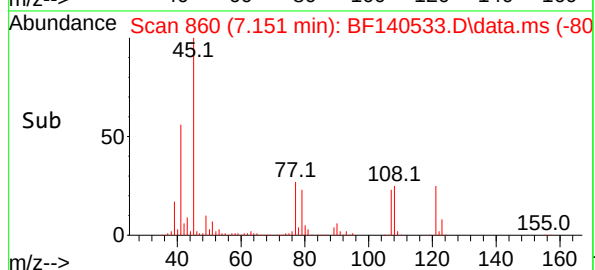
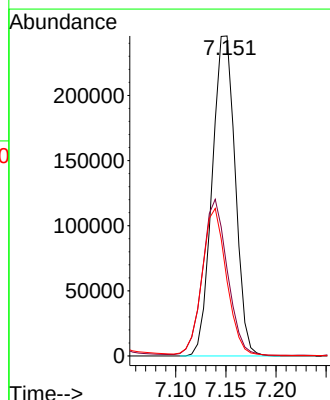
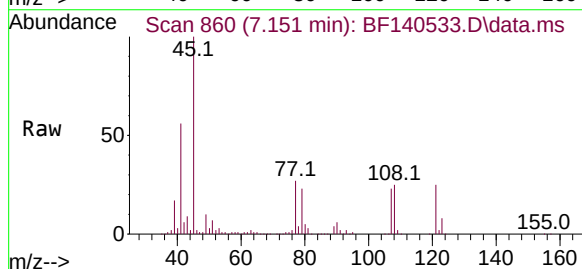
Tgt Ion: 45 Resp: 392372

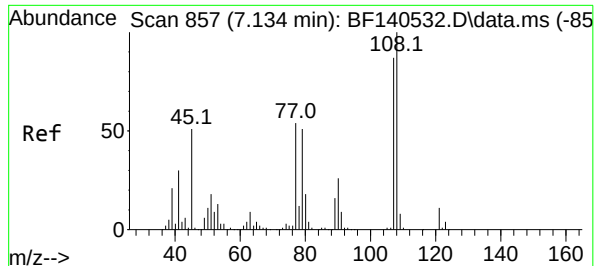
Ion Ratio Lower Upper

45 100

77 27.1 10.7 50.7

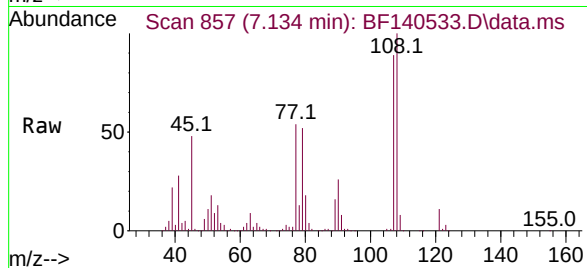
79 23.3 7.0 47.0



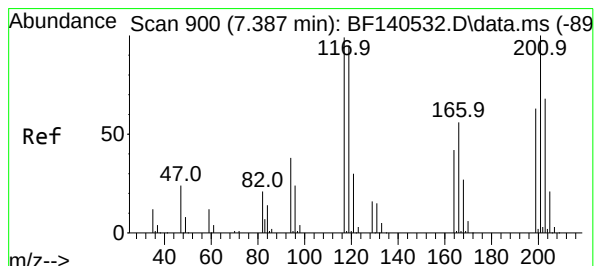
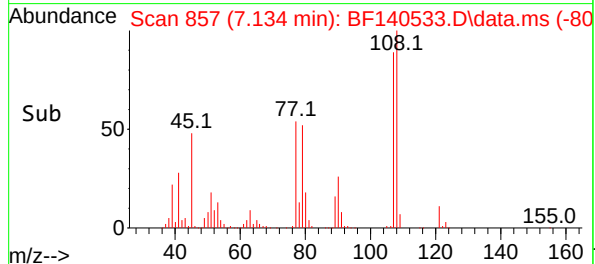
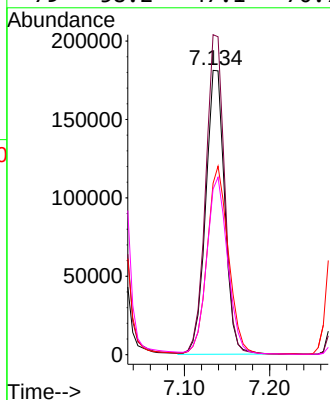


#17  
2-Methylphenol  
Concen: 47.344 ng  
RT: 7.134 min Scan# 81  
Delta R.T. -0.000 min  
Lab File: BF140533.D  
Acq: 21 Nov 2024 13:25

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC050

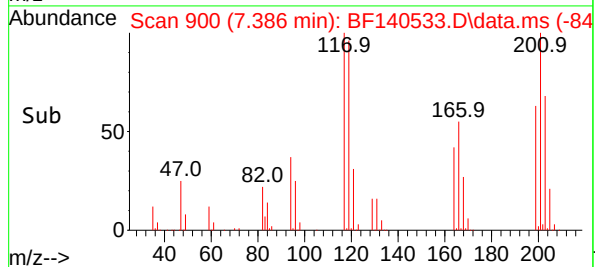
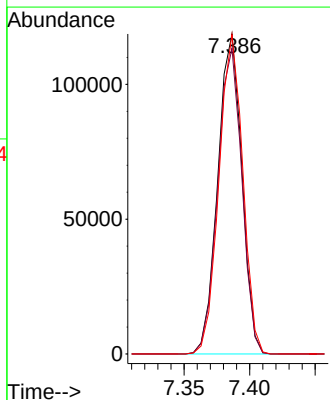
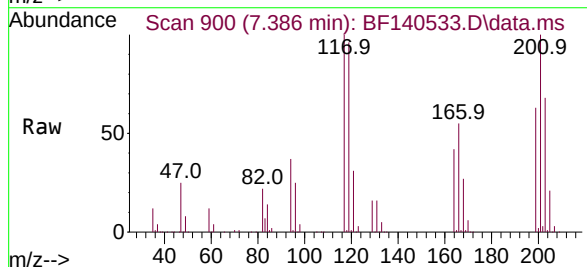


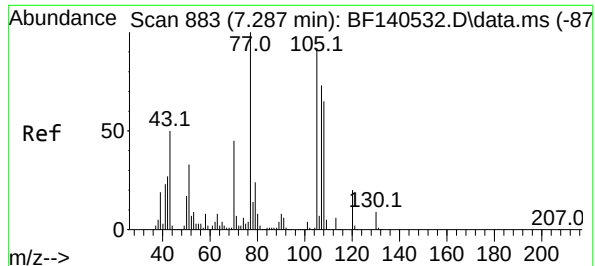
Tgt Ion:107 Resp: 280882  
Ion Ratio Lower Upper  
107 100  
108 112.5 91.7 137.5  
77 60.3 49.3 73.9  
79 58.2 47.1 70.7



#18  
Hexachloroethane  
Concen: 47.961 ng  
RT: 7.386 min Scan# 900  
Delta R.T. -0.000 min  
Lab File: BF140533.D  
Acq: 21 Nov 2024 13:25

Tgt Ion:117 Resp: 151045  
Ion Ratio Lower Upper  
117 100  
119 95.5 77.1 115.7  
201 99.8 81.1 121.7





#19

n-Nitroso-di-n-propylamine

Concen: 46.718 ng

RT: 7.292 min Scan# 884

Delta R.T. 0.006 min

Lab File: BF140533.D

Acq: 21 Nov 2024 13:25

Instrument :

BNA\_F

ClientSampleId :

SSTDICC050

Tgt Ion: 70 Resp: 251453

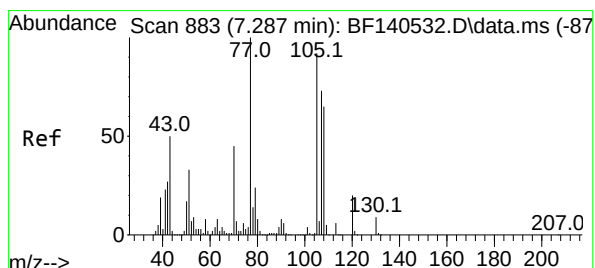
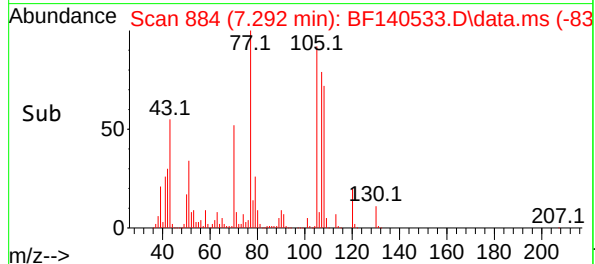
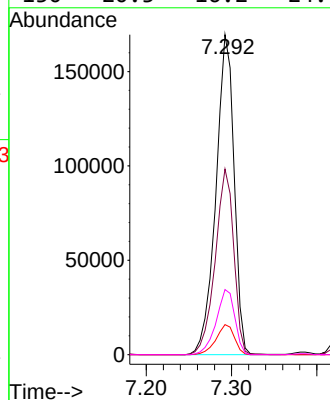
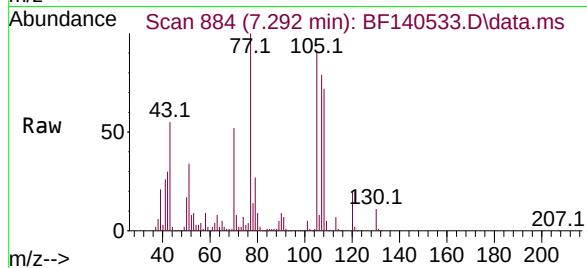
Ion Ratio Lower Upper

70 100

42 58.0 47.6 71.4

101 9.4 7.6 11.4

130 20.3 16.2 24.4



#20

3+4-Methylphenols

Concen: 46.666 ng

RT: 7.292 min Scan# 884

Delta R.T. 0.006 min

Lab File: BF140533.D

Acq: 21 Nov 2024 13:25

Tgt Ion: 107 Resp: 355860

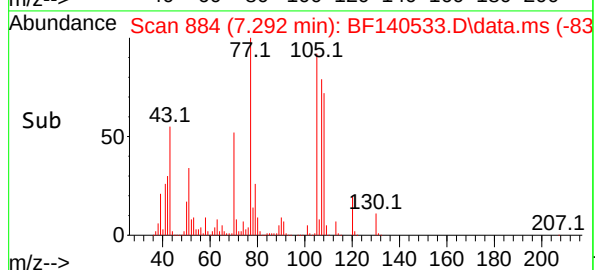
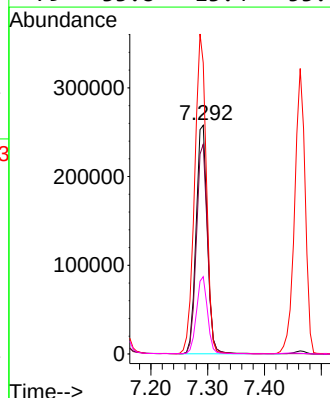
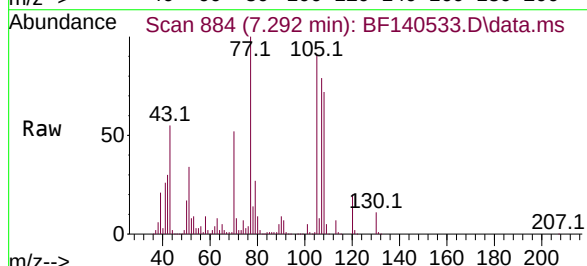
Ion Ratio Lower Upper

107 100

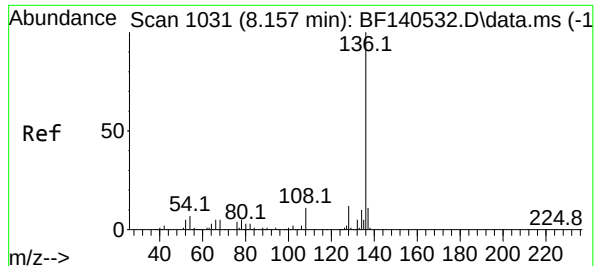
108 91.7 69.9 109.9

77 127.3 117.7 157.7

79 33.8 13.4 53.4





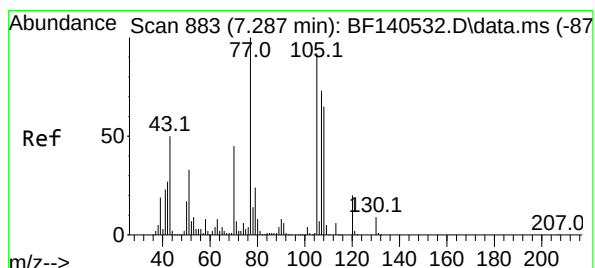
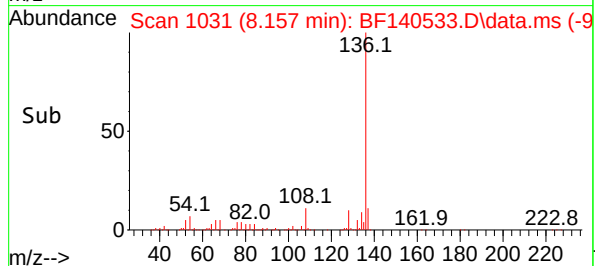
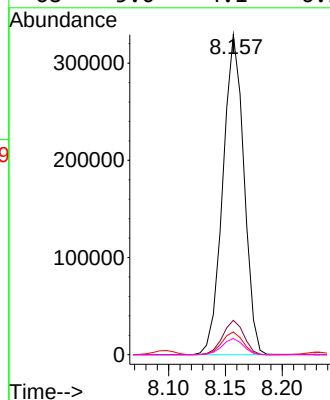
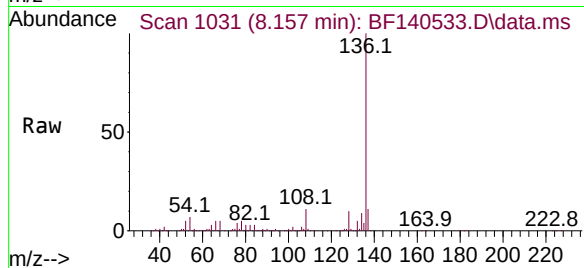


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.157 min Scan# 1031  
Delta R.T. -0.000 min  
Lab File: BF140533.D  
Acq: 21 Nov 2024 13:25

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC050

Tgt Ion:136 Resp: 425301

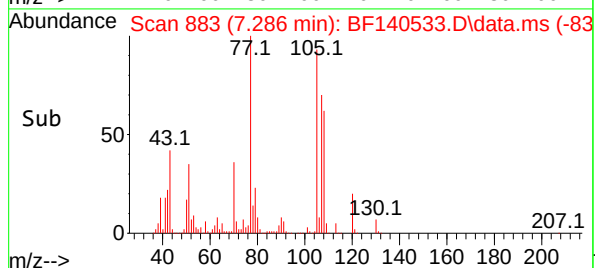
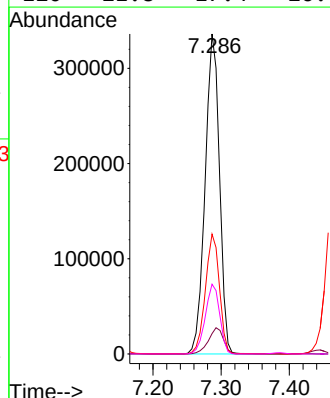
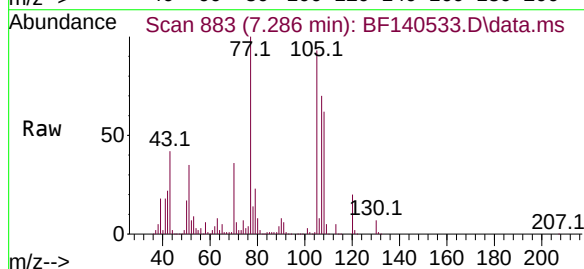
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 10.8  | 8.6   | 13.0  |
| 54  | 7.1   | 5.8   | 8.8   |
| 68  | 5.0   | 4.1   | 6.1   |

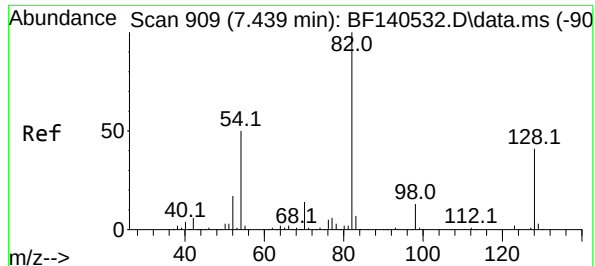


#22  
Acetophenone  
Concen: 47.469 ng  
RT: 7.286 min Scan# 883  
Delta R.T. -0.000 min  
Lab File: BF140533.D  
Acq: 21 Nov 2024 13:25

Tgt Ion:105 Resp: 492194

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 105 | 100   |       |       |
| 71  | 6.4   | 6.2   | 9.2   |
| 51  | 37.4  | 29.0  | 43.6  |
| 120 | 21.8  | 17.4  | 26.0  |





#23

Nitrobenzene-d5

Concen: 96.352 ng

RT: 7.445 min Scan# 910

Delta R.T. 0.006 min

Lab File: BF140533.D

Acq: 21 Nov 2024 13:25

Instrument :

BNA\_F

ClientSampleId :

SSTDICC050

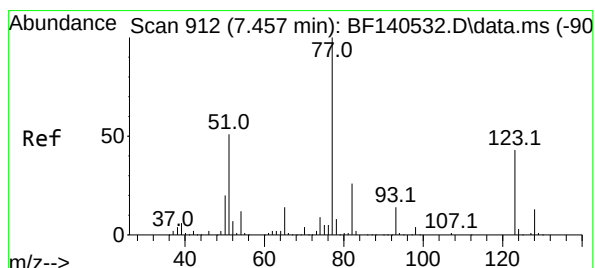
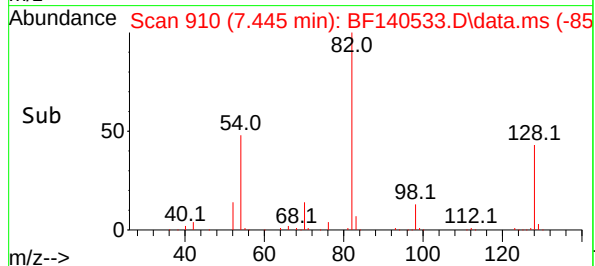
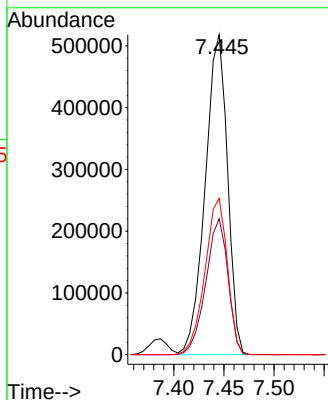
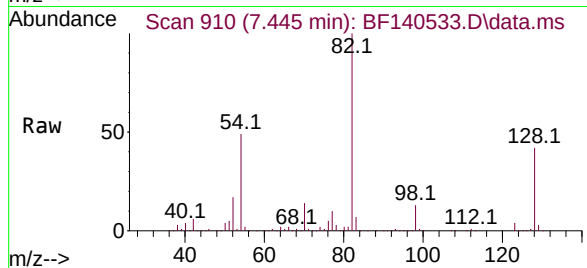
Tgt Ion: 82 Resp: 801144

Ion Ratio Lower Upper

82 100

128 42.5 33.0 49.4

54 48.8 39.5 59.3



#24

Nitrobenzene

Concen: 48.043 ng

RT: 7.463 min Scan# 913

Delta R.T. 0.006 min

Lab File: BF140533.D

Acq: 21 Nov 2024 13:25

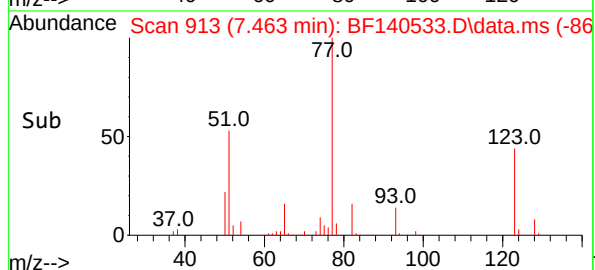
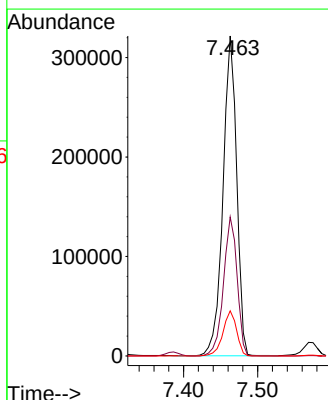
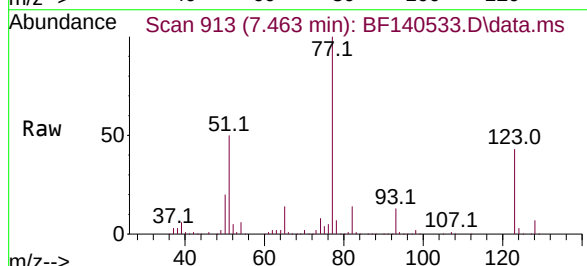
Tgt Ion: 77 Resp: 412860

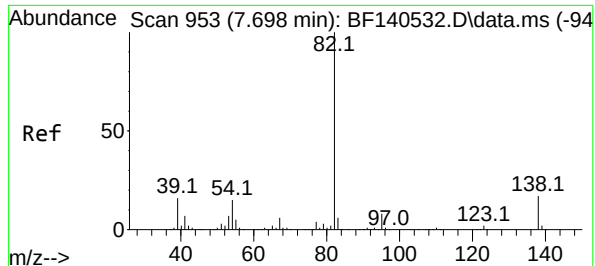
Ion Ratio Lower Upper

77 100

123 43.4 34.3 51.5

65 14.1 11.2 16.8





#25

Isophorone

Concen: 48.214 ng

RT: 7.698 min Scan# 91

Delta R.T. -0.000 min

Lab File: BF140533.D

Acq: 21 Nov 2024 13:25

Instrument :

BNA\_F

ClientSampleId :

SSTDICC050

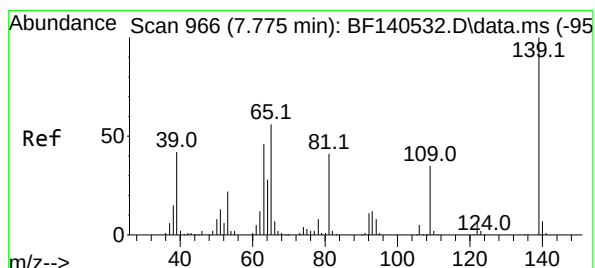
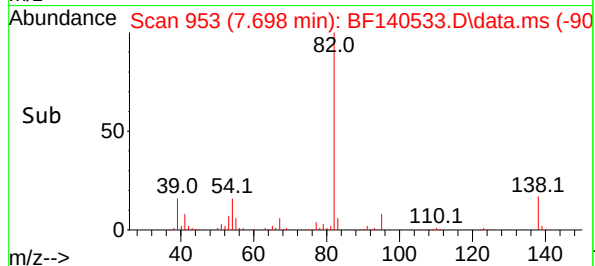
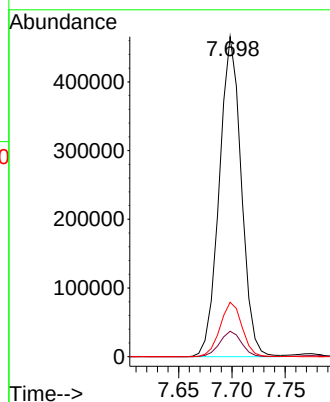
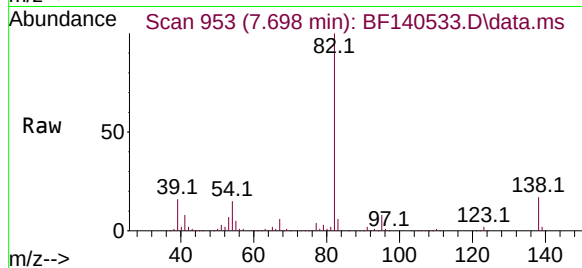
Tgt Ion: 82 Resp: 668649

Ion Ratio Lower Upper

82 100

95 8.0 6.4 9.6

138 17.0 13.8 20.6



#26

2-Nitrophenol

Concen: 49.644 ng

RT: 7.775 min Scan# 966

Delta R.T. -0.000 min

Lab File: BF140533.D

Acq: 21 Nov 2024 13:25

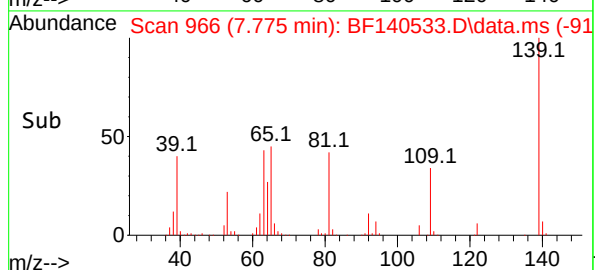
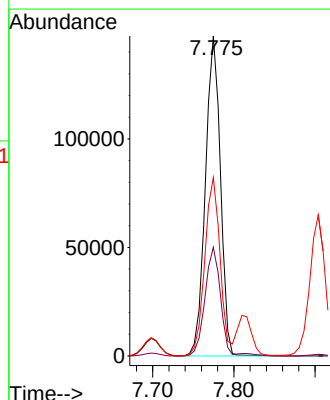
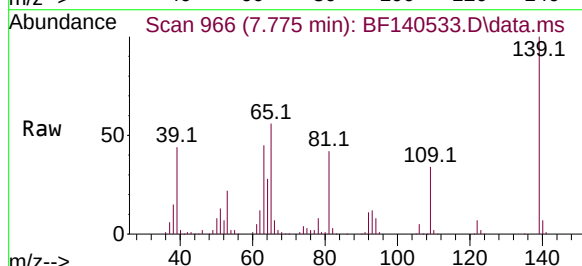
Tgt Ion:139 Resp: 189056

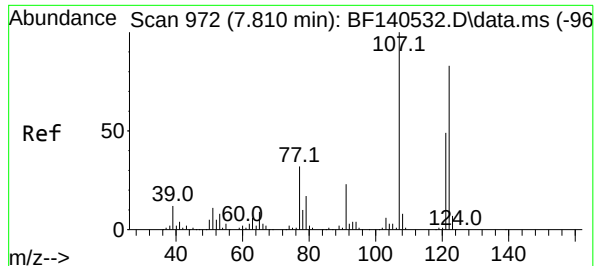
Ion Ratio Lower Upper

139 100

109 33.9 28.0 42.0

65 55.7 44.6 67.0





#27

2,4-Dimethylphenol

Concen: 47.628 ng

RT: 7.816 min Scan# 91

Delta R.T. 0.006 min

Lab File: BF140533.D

Acq: 21 Nov 2024 13:25

Instrument :

BNA\_F

ClientSampleId :

SSTDICC050

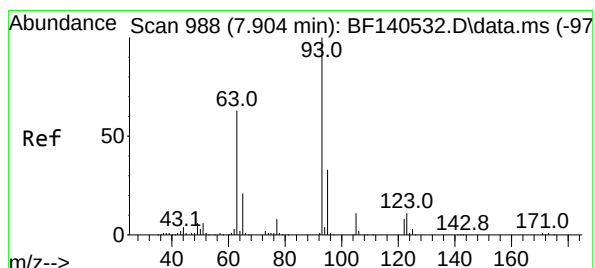
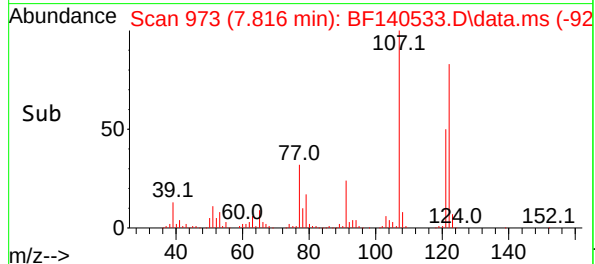
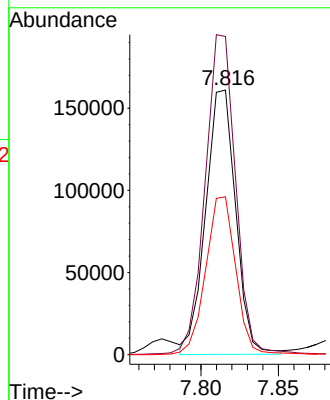
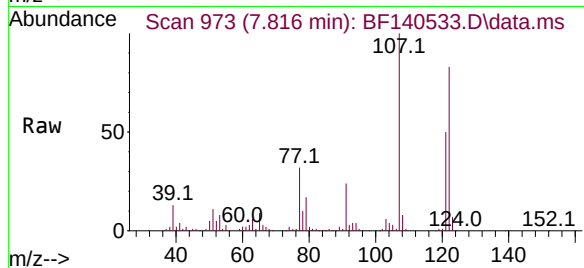
Tgt Ion:122 Resp: 217017

Ion Ratio Lower Upper

122 100

107 120.3 96.8 145.2

121 59.7 47.4 71.0



#28

bis(2-Chloroethoxy)methane

Concen: 47.630 ng

RT: 7.904 min Scan# 988

Delta R.T. -0.000 min

Lab File: BF140533.D

Acq: 21 Nov 2024 13:25

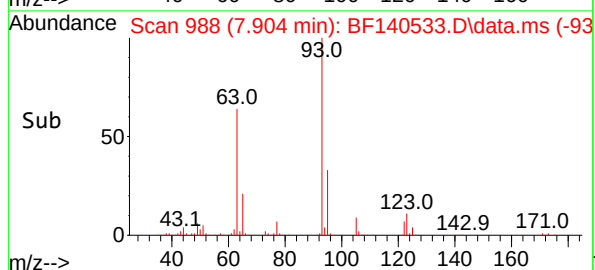
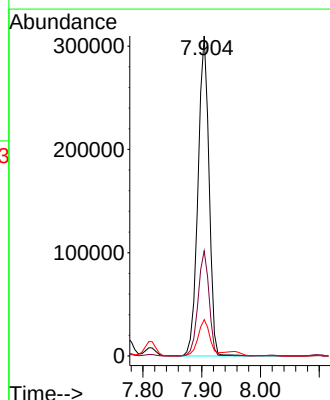
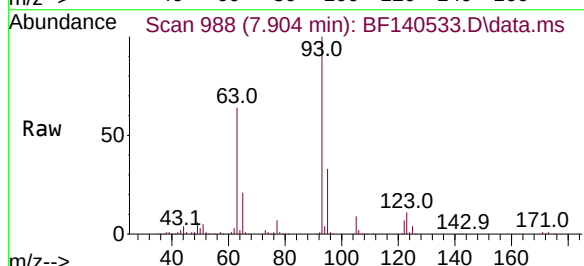
Tgt Ion: 93 Resp: 402409

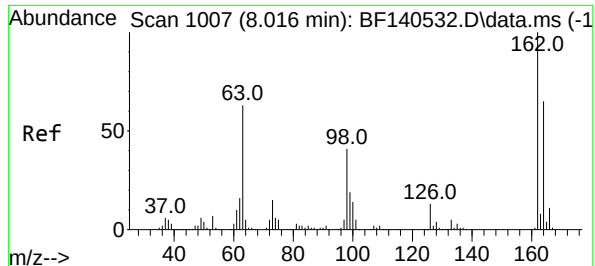
Ion Ratio Lower Upper

93 100

95 32.8 26.1 39.1

123 11.3 9.1 13.7





#29

2,4-Dichlorophenol

Concen: 48.863 ng

RT: 8.022 min Scan# 1008

Delta R.T. 0.006 min

Lab File: BF140533.D

Acq: 21 Nov 2024 13:25

Instrument :

BNA\_F

ClientSampleId :

SSTDICC050

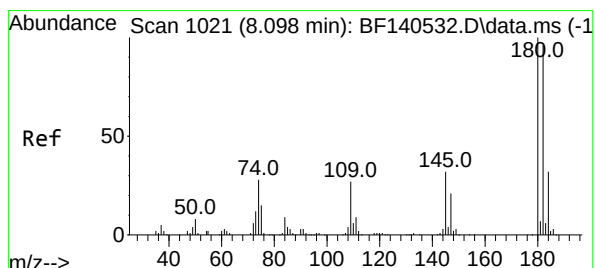
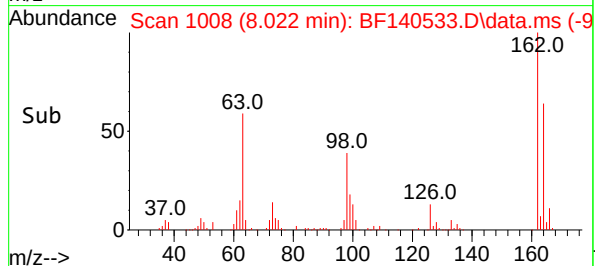
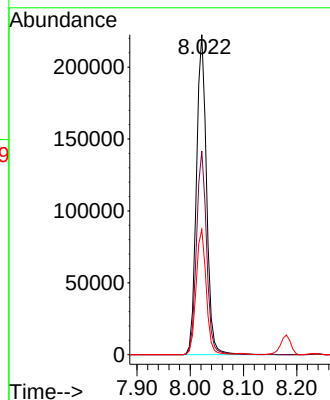
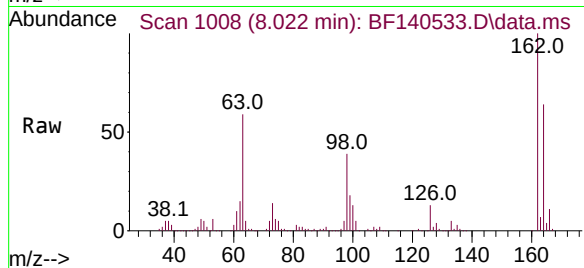
Tgt Ion:162 Resp: 295023

Ion Ratio Lower Upper

162 100

164 63.6 44.8 84.8

98 39.1 21.2 61.2



#30

1,2,4-Trichlorobenzene

Concen: 48.858 ng

RT: 8.098 min Scan# 1021

Delta R.T. -0.000 min

Lab File: BF140533.D

Acq: 21 Nov 2024 13:25

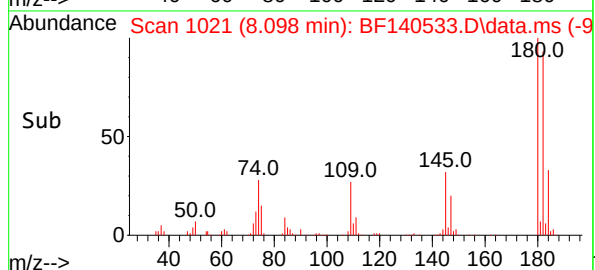
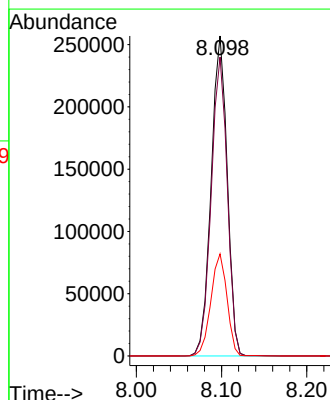
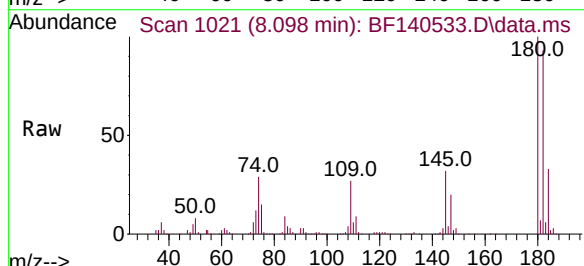
Tgt Ion:180 Resp: 336812

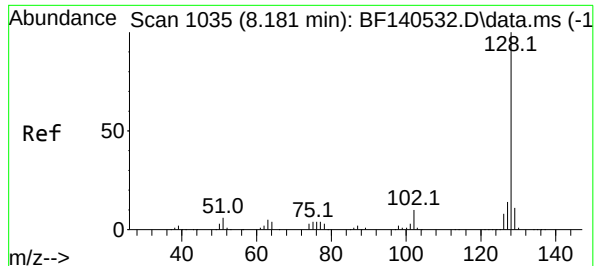
Ion Ratio Lower Upper

180 100

182 93.4 76.4 114.6

145 31.9 25.9 38.9





#31

Naphthalene

Concen: 48.178 ng

RT: 8.181 min Scan# 1035

Delta R.T. -0.000 min

Lab File: BF140533.D

Acq: 21 Nov 2024 13:25

Instrument :

BNA\_F

ClientSampleId :

SSTDICC050

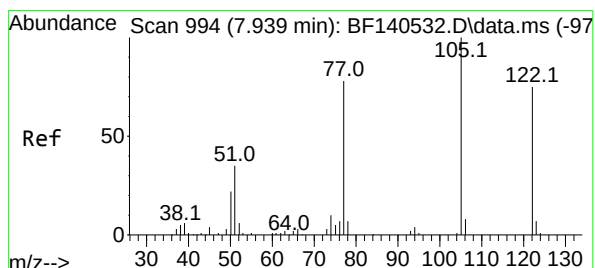
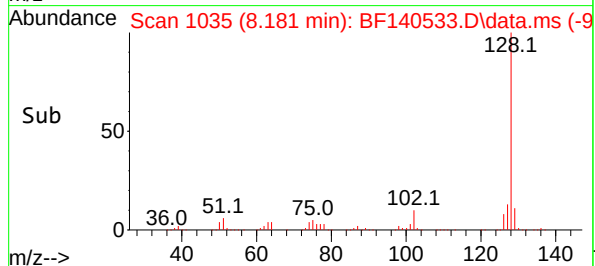
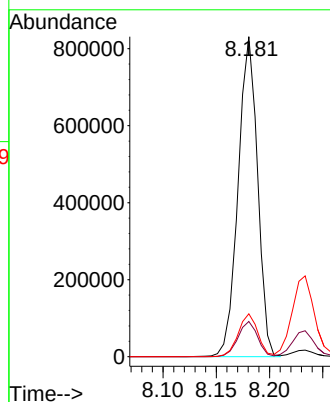
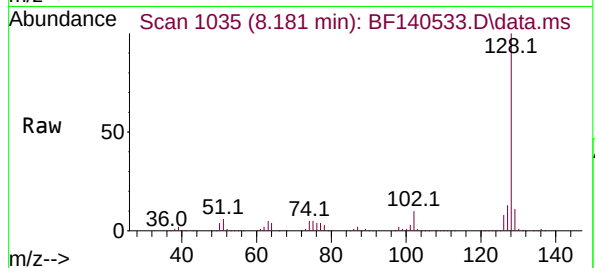
Tgt Ion:128 Resp: 1055423

Ion Ratio Lower Upper

128 100

129 11.0 8.6 13.0

127 13.4 10.8 16.2



#32

Benzoic acid

Concen: 49.333 ng

RT: 7.957 min Scan# 997

Delta R.T. 0.018 min

Lab File: BF140533.D

Acq: 21 Nov 2024 13:25

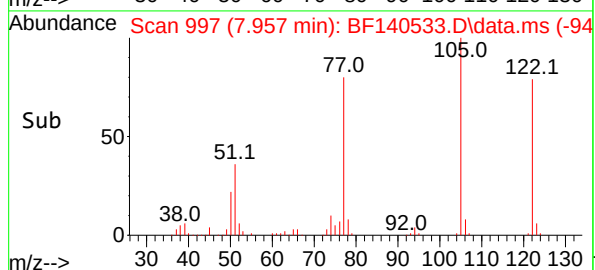
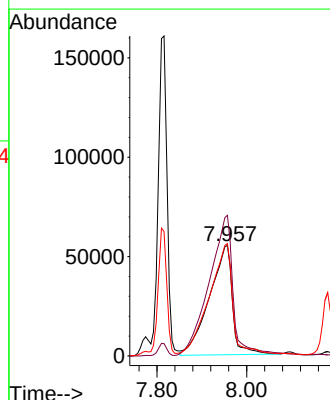
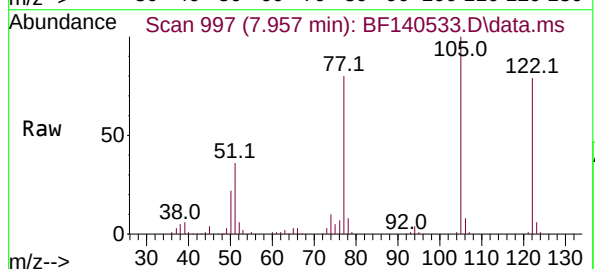
Tgt Ion:122 Resp: 196545

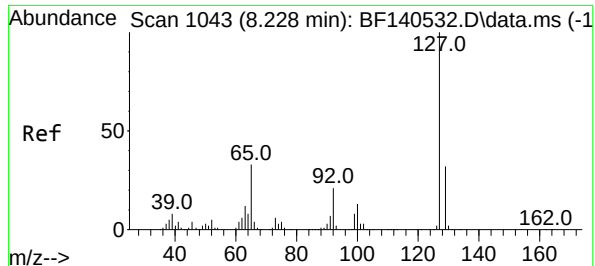
Ion Ratio Lower Upper

122 100

105 127.2 109.3 149.3

77 101.5 82.3 122.3





#33

4-Chloroaniline

Concen: 49.125 ng

RT: 8.233 min Scan# 1044

Delta R.T. 0.006 min

Lab File: BF140533.D

Acq: 21 Nov 2024 13:25

Instrument :

BNA\_F

ClientSampleId :

SSTDICC050

Tgt Ion:127 Resp: 322212

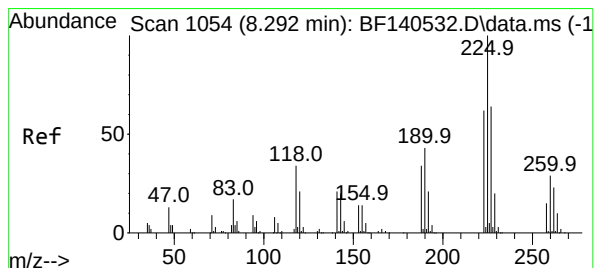
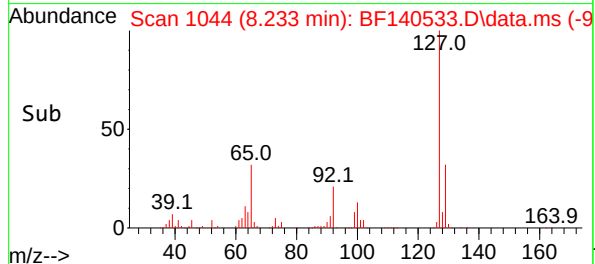
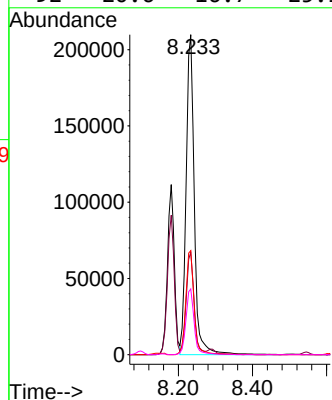
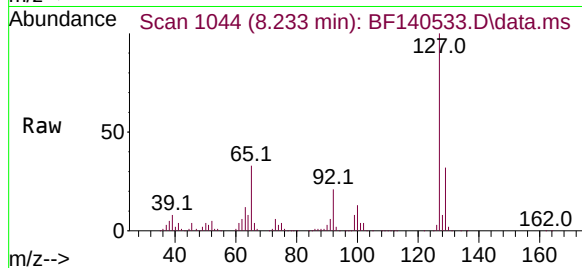
Ion Ratio Lower Upper

127 100

129 32.0 26.0 39.0

65 32.5 26.0 39.0

92 20.6 16.7 25.1



#34

Hexachlorobutadiene

Concen: 48.555 ng

RT: 8.292 min Scan# 1054

Delta R.T. -0.000 min

Lab File: BF140533.D

Acq: 21 Nov 2024 13:25

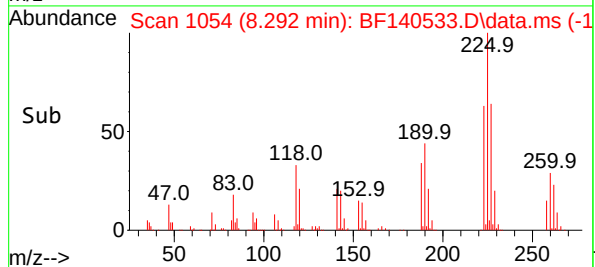
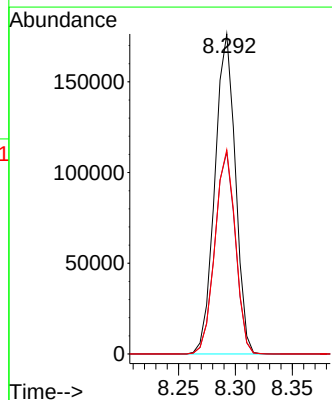
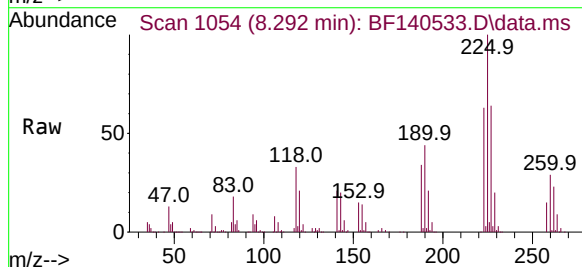
Tgt Ion:225 Resp: 221707

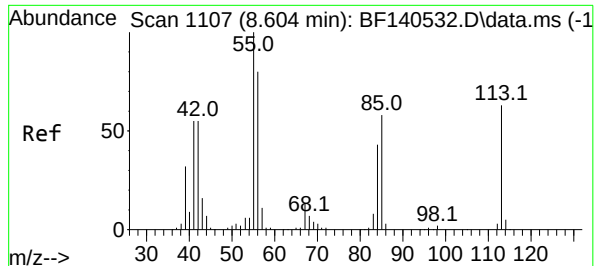
Ion Ratio Lower Upper

225 100

223 63.1 49.8 74.8

227 63.8 51.3 76.9

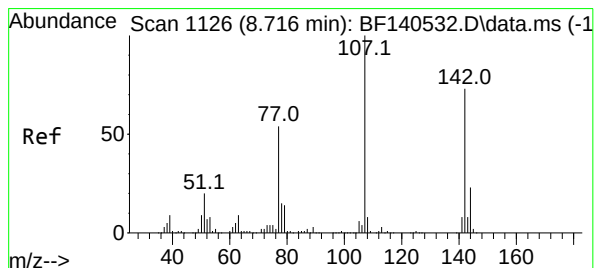
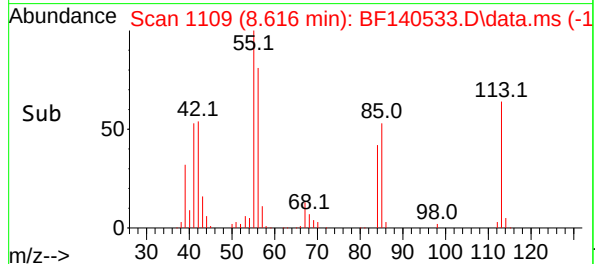
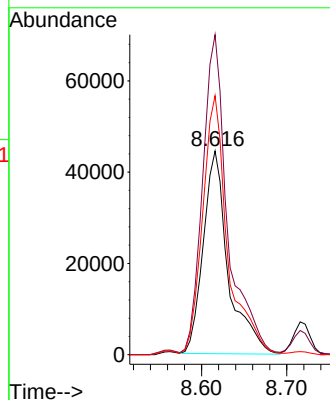
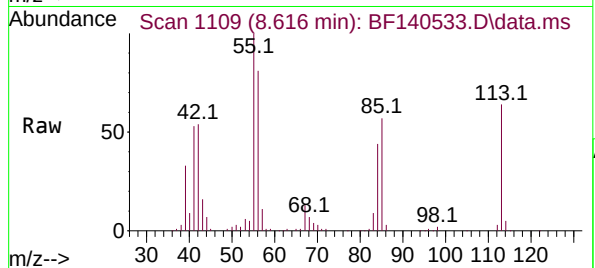




#35  
Caprolactam  
Concen: 48.486 ng  
RT: 8.616 min Scan# 1109  
Delta R.T. 0.012 min  
Lab File: BF140533.D  
Acq: 21 Nov 2024 13:25

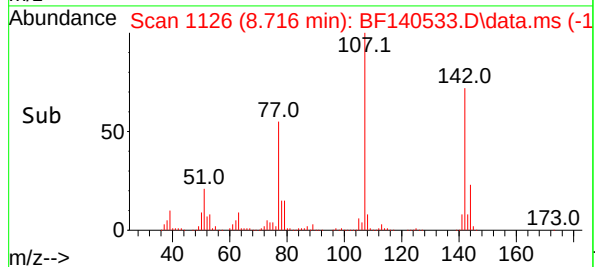
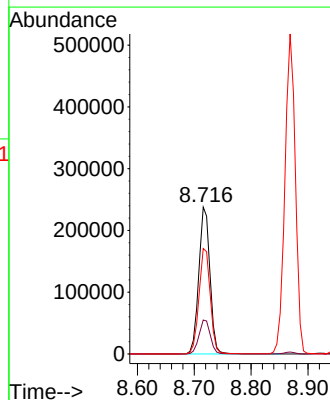
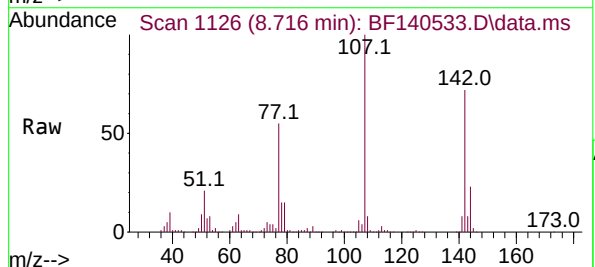
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC050

Tgt Ion:113 Resp: 90596  
Ion Ratio Lower Upper  
113 100  
55 157.2 137.7 177.7  
56 127.3 106.4 146.4

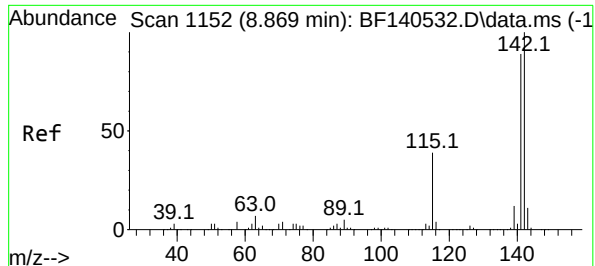


#36  
4-Chloro-3-methylphenol  
Concen: 48.287 ng  
RT: 8.716 min Scan# 1126  
Delta R.T. -0.000 min  
Lab File: BF140533.D  
Acq: 21 Nov 2024 13:25

Tgt Ion:107 Resp: 326418  
Ion Ratio Lower Upper  
107 100  
144 23.1 18.7 28.1  
142 71.8 58.3 87.5



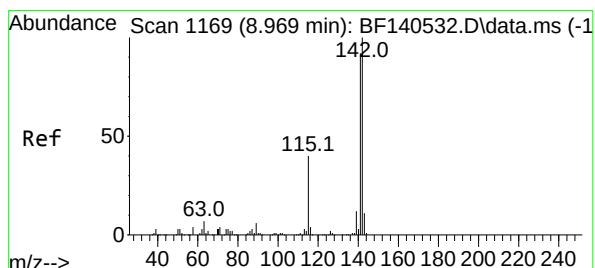
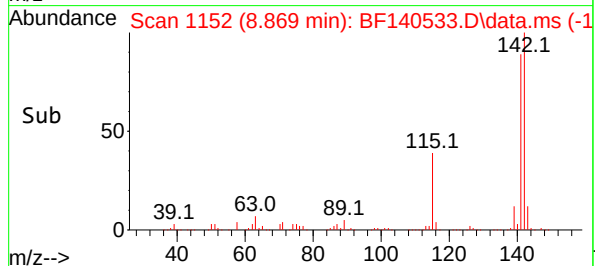
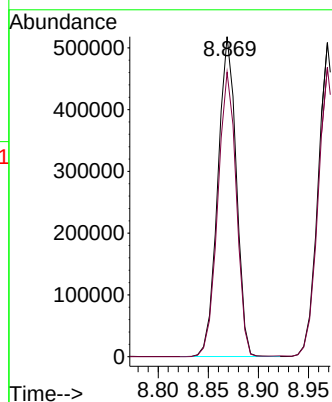
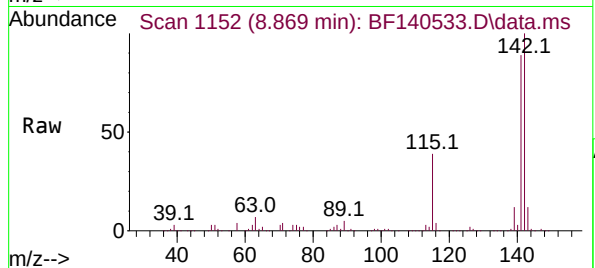




#37  
2-Methylnaphthalene  
Concen: 47.620 ng  
RT: 8.869 min Scan# 1152  
Delta R.T. -0.000 min  
Lab File: BF140533.D  
Acq: 21 Nov 2024 13:25

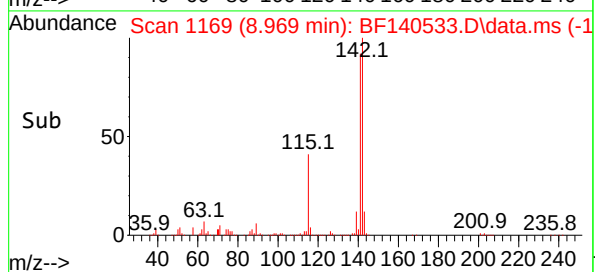
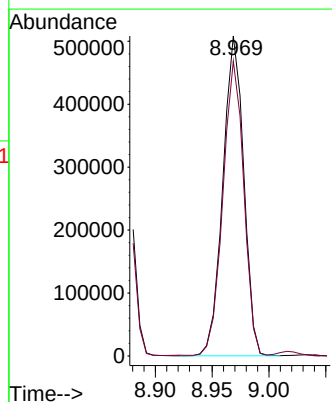
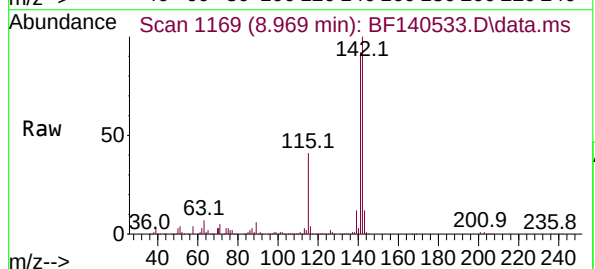
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC050

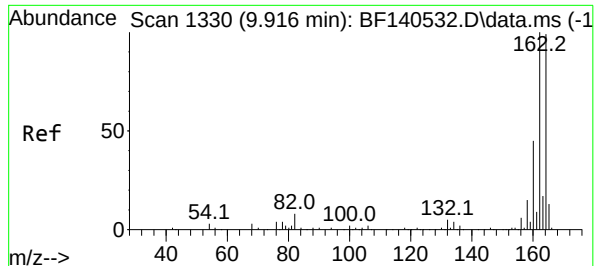
Tgt Ion:142 Resp: 662592  
Ion Ratio Lower Upper  
142 100  
141 88.9 71.0 106.6



#38  
1-Methylnaphthalene  
Concen: 47.603 ng  
RT: 8.969 min Scan# 1169  
Delta R.T. -0.000 min  
Lab File: BF140533.D  
Acq: 21 Nov 2024 13:25

Tgt Ion:142 Resp: 649248  
Ion Ratio Lower Upper  
142 100  
141 92.1 73.3 109.9

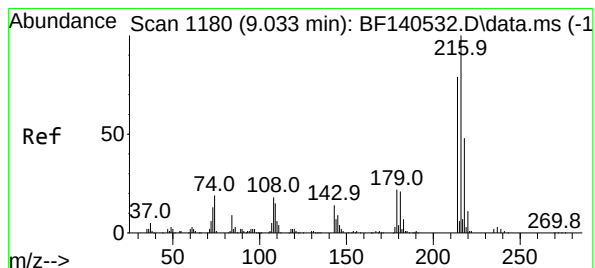
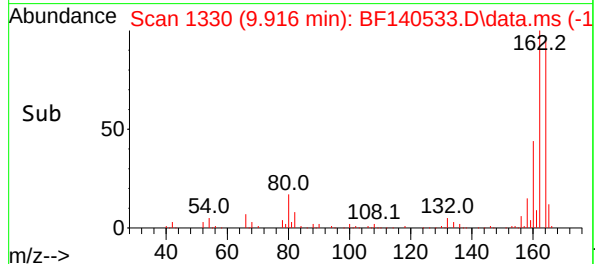
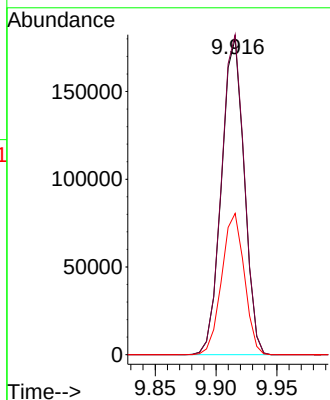
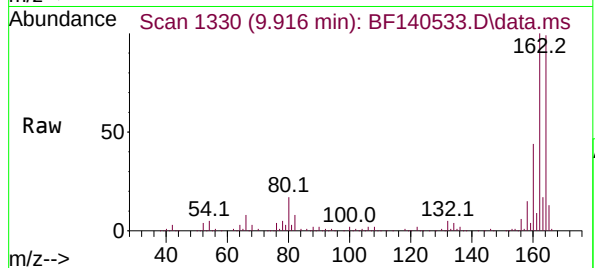




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.916 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BF140533.D  
Acq: 21 Nov 2024 13:25

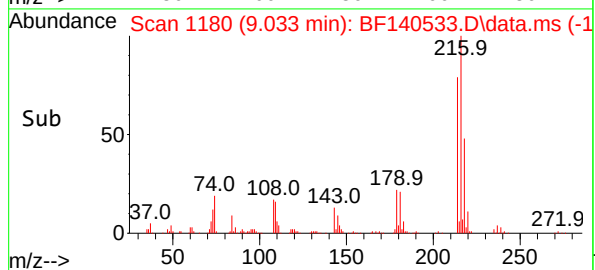
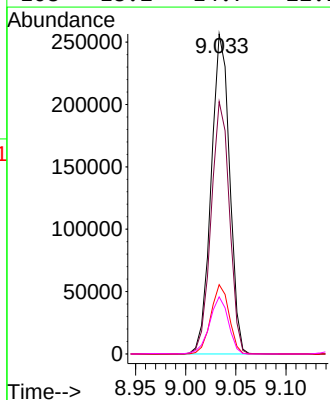
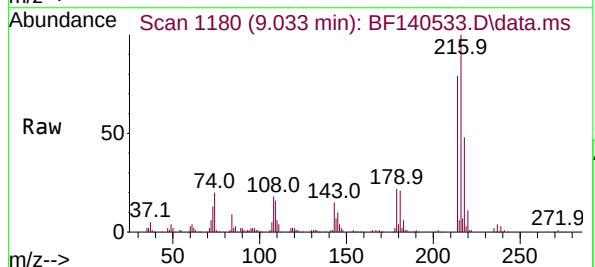
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC050

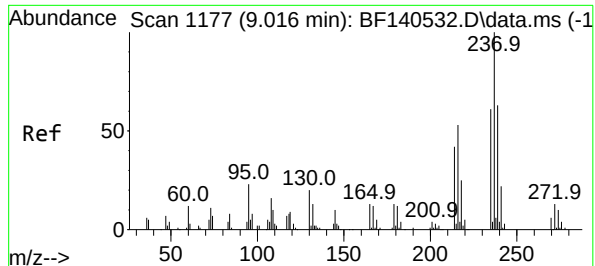
Tgt Ion:164 Resp: 233869  
Ion Ratio Lower Upper  
164 100  
162 101.2 80.6 120.8  
160 44.7 36.2 54.4



#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 47.935 ng  
RT: 9.033 min Scan# 1180  
Delta R.T. -0.000 min  
Lab File: BF140533.D  
Acq: 21 Nov 2024 13:25

Tgt Ion:216 Resp: 328190  
Ion Ratio Lower Upper  
216 100  
214 78.4 63.0 94.4  
179 21.4 17.5 26.3  
108 18.2 14.7 22.1

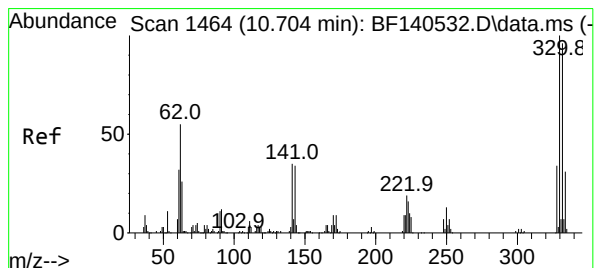
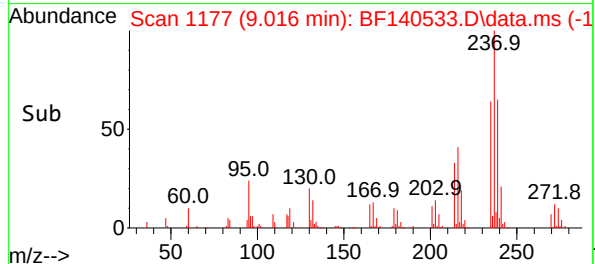
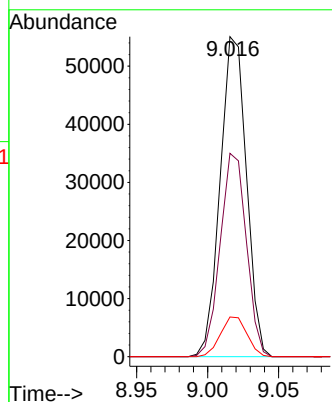
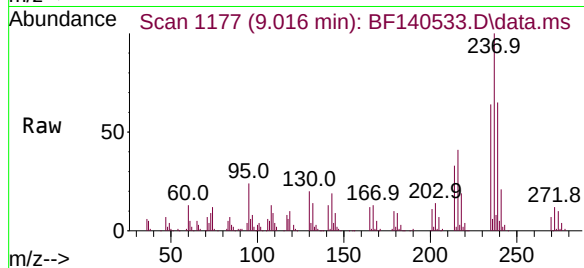




#41  
Hexachlorocyclopentadiene  
Concen: 49.123 ng  
RT: 9.016 min Scan# 1177  
Delta R.T. -0.000 min  
Lab File: BF140533.D  
Acq: 21 Nov 2024 13:25

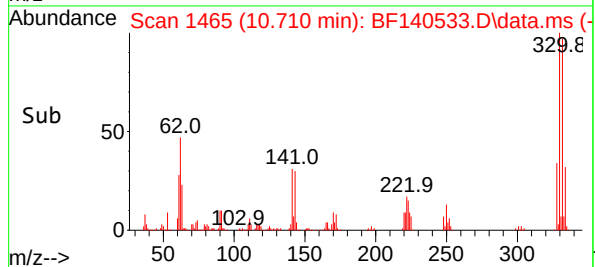
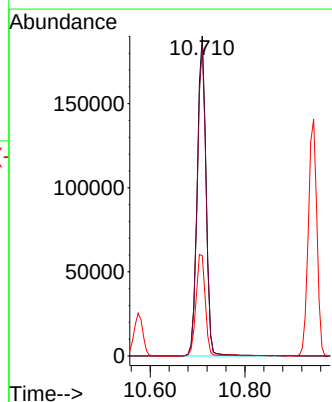
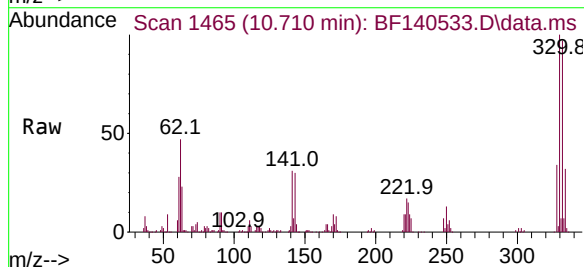
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDIC050

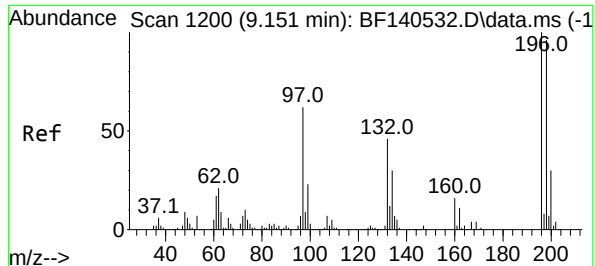
Tgt Ion:237 Resp: 70831  
Ion Ratio Lower Upper  
237 100  
235 63.5 41.1 81.1  
272 12.4 0.0 32.6



#42  
2,4,6-Tribromophenol  
Concen: 98.015 ng  
RT: 10.710 min Scan# 1465  
Delta R.T. 0.006 min  
Lab File: BF140533.D  
Acq: 21 Nov 2024 13:25

Tgt Ion:330 Resp: 245159  
Ion Ratio Lower Upper  
330 100  
332 97.0 76.9 115.3  
141 33.3 26.7 40.1





#43

2,4,6-Trichlorophenol

Concen: 49.574 ng

RT: 9.151 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF140533.D

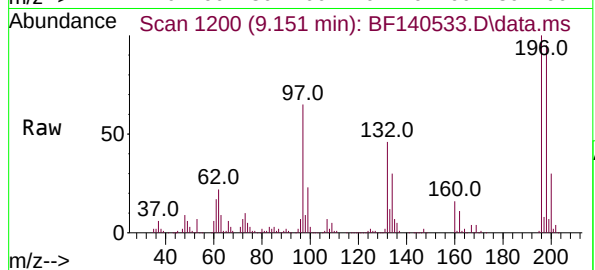
Acq: 21 Nov 2024 13:25

Instrument :

BNA\_F

ClientSampleId :

SSTDICC050



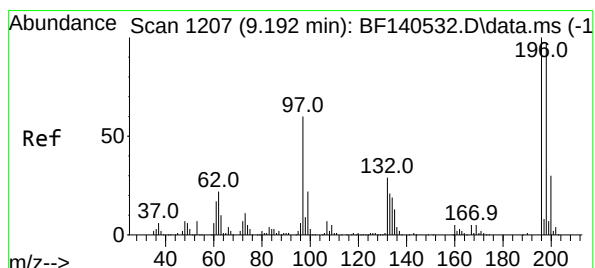
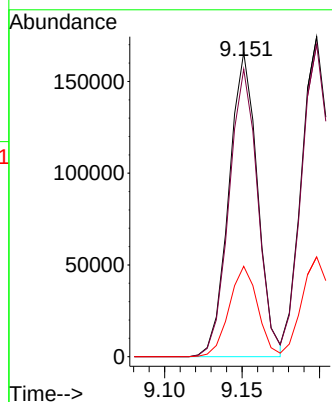
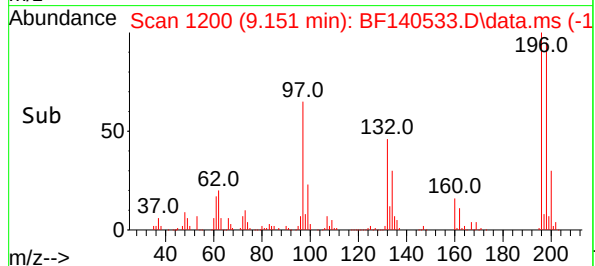
Tgt Ion:196 Resp: 212974

Ion Ratio Lower Upper

196 100

198 94.5 76.8 115.2

200 29.7 24.3 36.5



#44

2,4,5-Trichlorophenol

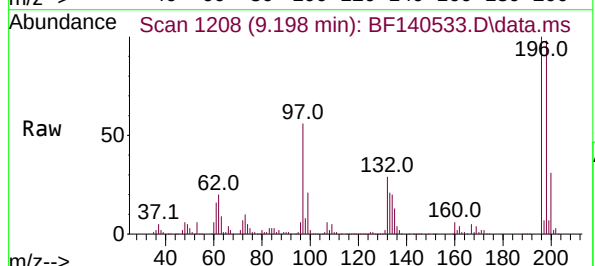
Concen: 48.866 ng

RT: 9.198 min Scan# 1208

Delta R.T. 0.006 min

Lab File: BF140533.D

Acq: 21 Nov 2024 13:25



Tgt Ion:196 Resp: 227840

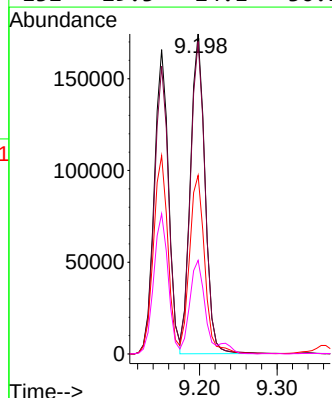
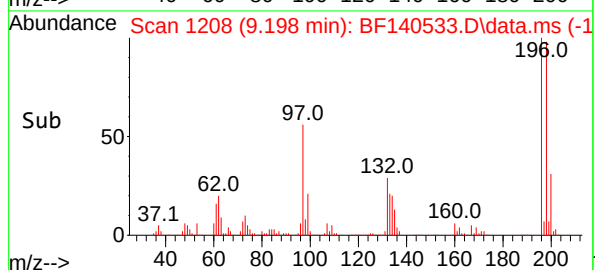
Ion Ratio Lower Upper

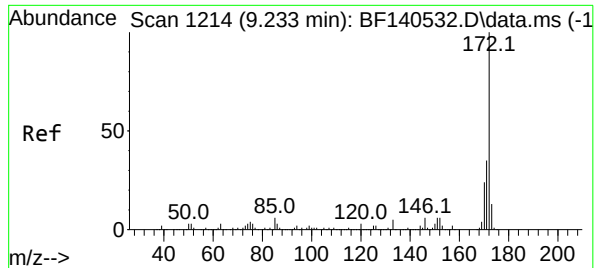
196 100

198 97.7 77.2 115.8

97 55.8 47.1 70.7

132 29.3 24.1 36.1

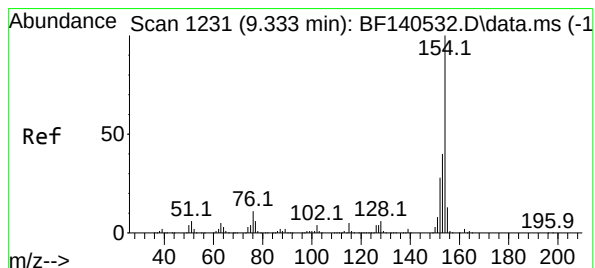
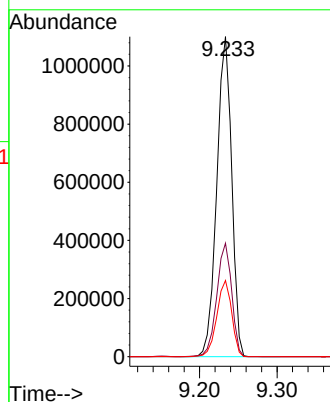
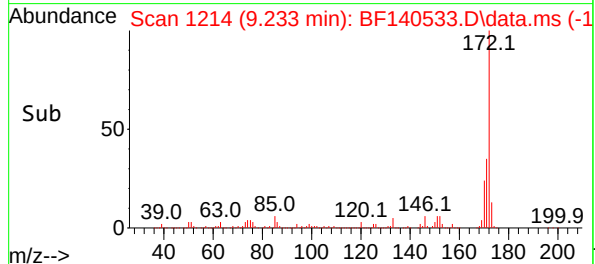
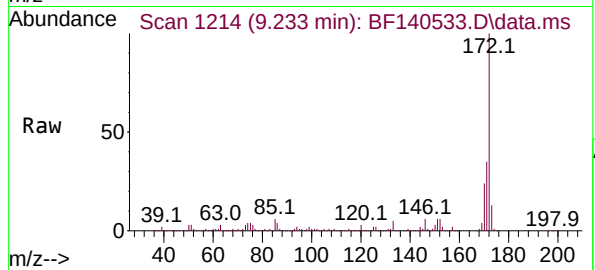




#45  
2-Fluorobiphenyl  
Concen: 93.462 ng  
RT: 9.233 min Scan# 1214  
Delta R.T. -0.000 min  
Lab File: BF140533.D  
Acq: 21 Nov 2024 13:25

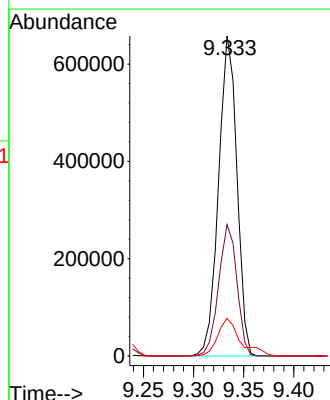
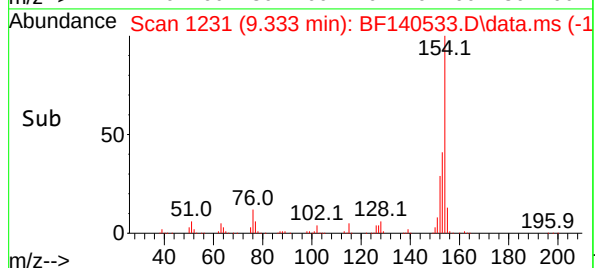
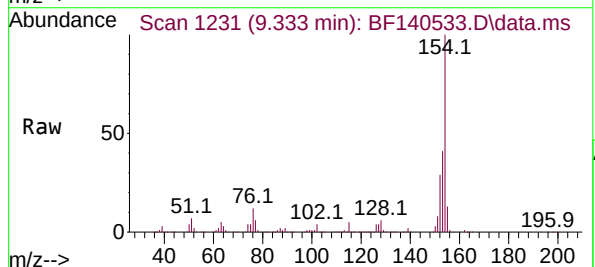
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC050

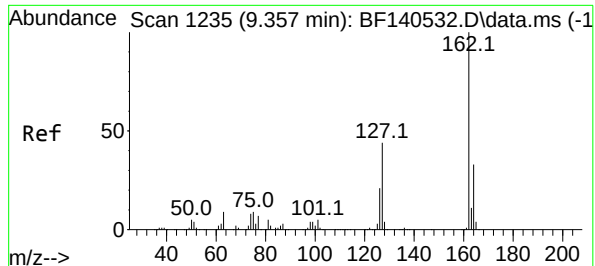
Tgt Ion:172 Resp: 1467020  
Ion Ratio Lower Upper  
172 100  
171 35.5 28.4 42.6  
170 23.8 19.0 28.6



#46  
1,1'-Biphenyl  
Concen: 47.772 ng  
RT: 9.333 min Scan# 1231  
Delta R.T. -0.000 min  
Lab File: BF140533.D  
Acq: 21 Nov 2024 13:25

Tgt Ion:154 Resp: 834139  
Ion Ratio Lower Upper  
154 100  
153 41.1 20.4 60.4  
76 11.7 0.0 31.2





#47

2-Chloronaphthalene

Concen: 47.803 ng

RT: 9.363 min Scan# 1236

Delta R.T. 0.006 min

Lab File: BF140533.D

Acq: 21 Nov 2024 13:25

Instrument :

BNA\_F

ClientSampleId :

SSTDICC050

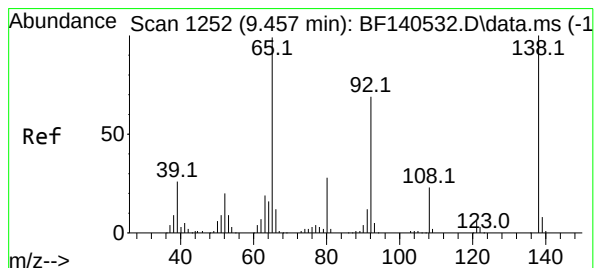
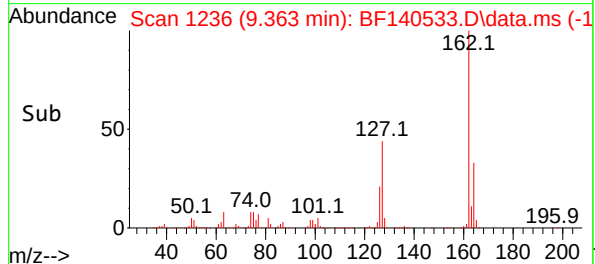
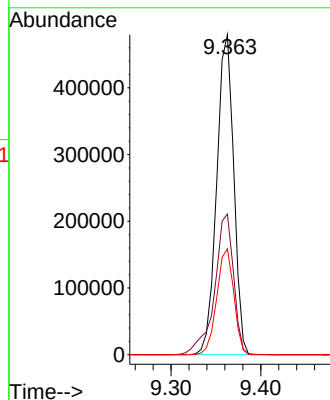
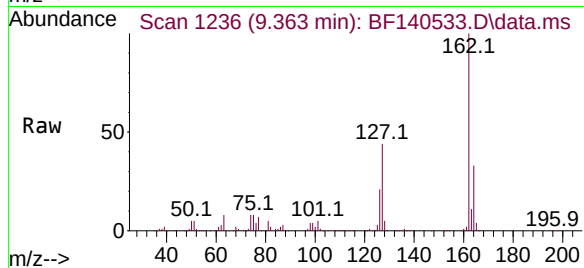
Tgt Ion:162 Resp: 632459

Ion Ratio Lower Upper

162 100

127 44.0 35.7 53.5

164 33.1 26.1 39.1



#48

2-Nitroaniline

Concen: 50.020 ng

RT: 9.457 min Scan# 1252

Delta R.T. -0.000 min

Lab File: BF140533.D

Acq: 21 Nov 2024 13:25

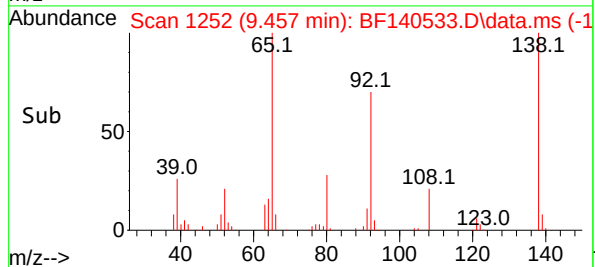
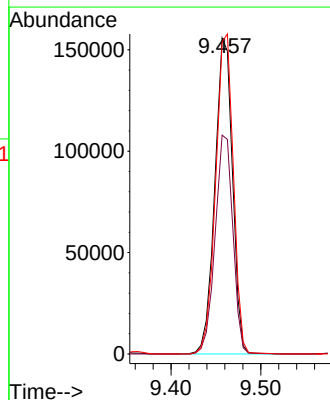
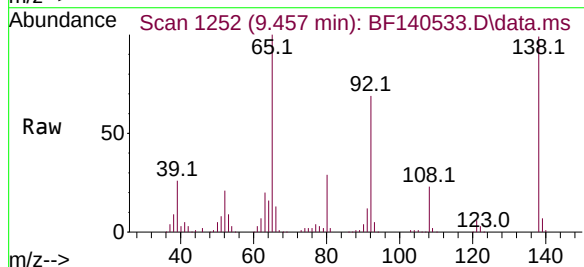
Tgt Ion: 65 Resp: 212420

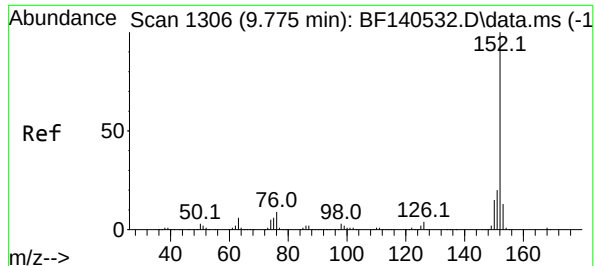
Ion Ratio Lower Upper

65 100

92 69.3 56.1 84.1

138 98.8 81.0 121.6

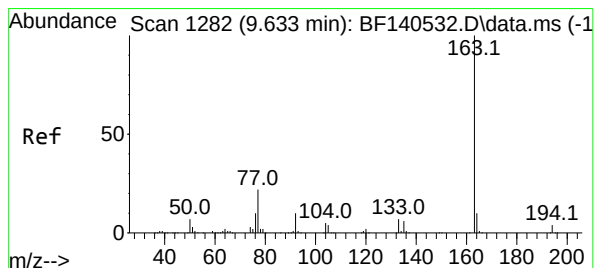
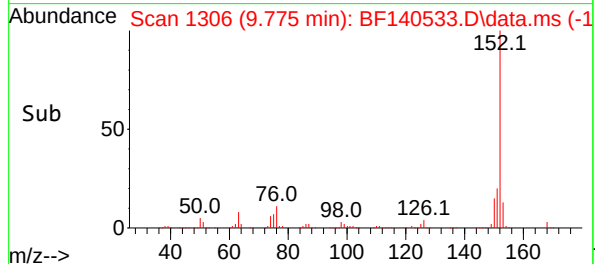
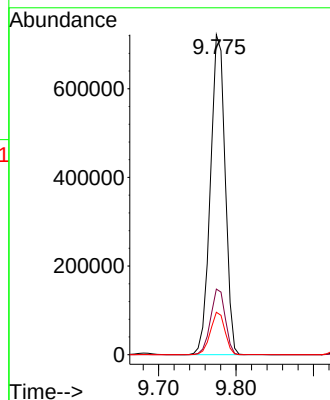
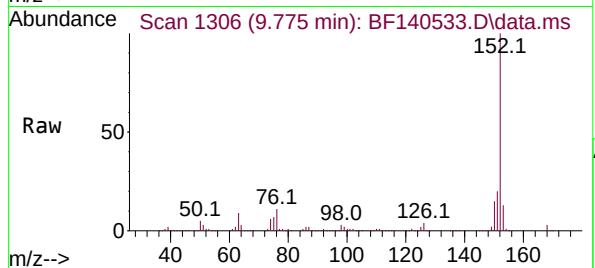




#49  
Acenaphthylene  
Concen: 47.612 ng  
RT: 9.775 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BF140533.D  
Acq: 21 Nov 2024 13:25

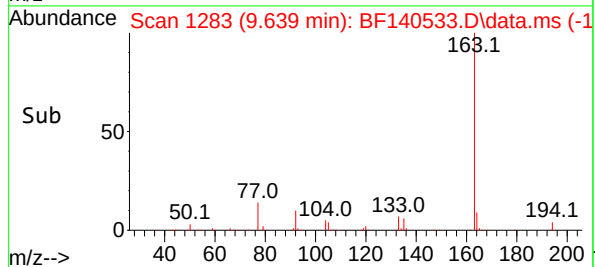
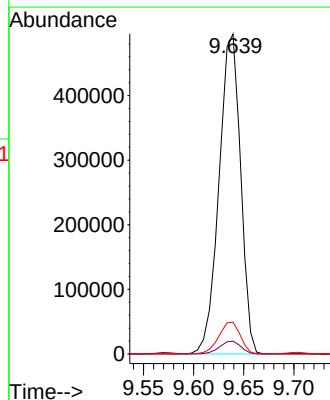
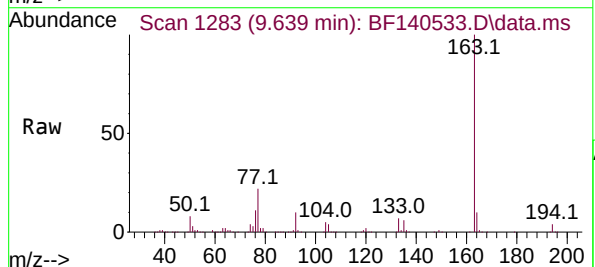
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC050

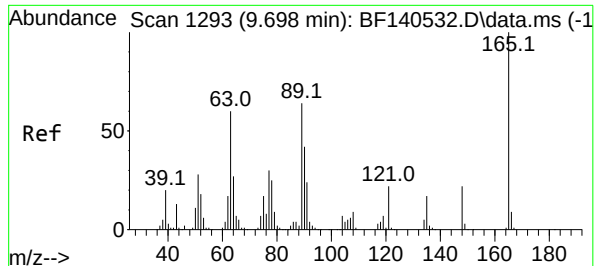
Tgt Ion:152 Resp: 951784  
Ion Ratio Lower Upper  
152 100  
151 20.5 15.9 23.9  
153 13.2 10.6 16.0



#50  
Dimethylphthalate  
Concen: 48.081 ng  
RT: 9.639 min Scan# 1283  
Delta R.T. 0.006 min  
Lab File: BF140533.D  
Acq: 21 Nov 2024 13:25

Tgt Ion:163 Resp: 740559  
Ion Ratio Lower Upper  
163 100  
194 4.0 3.1 4.7  
164 9.9 8.2 12.2





#51

2,6-Dinitrotoluene

Concen: 48.663 ng

RT: 9.704 min Scan# 1293

Delta R.T. 0.006 min

Lab File: BF140533.D

Acq: 21 Nov 2024 13:25

Instrument :

BNA\_F

ClientSampleId :

SSTDIC050

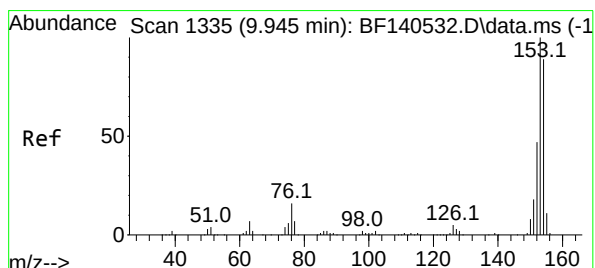
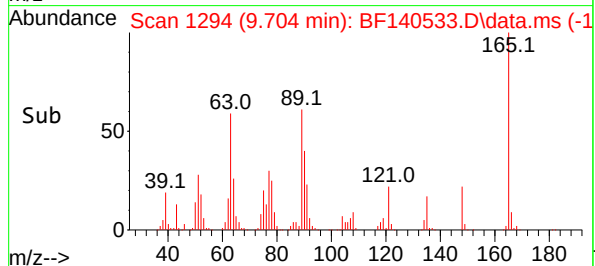
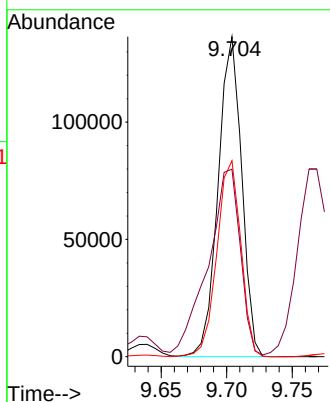
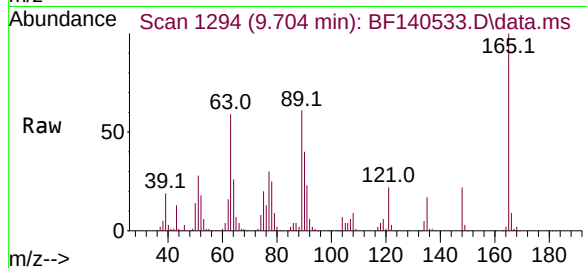
Tgt Ion:165 Resp: 169989

Ion Ratio Lower Upper

165 100

63 58.6 49.9 74.9

89 61.2 50.9 76.3



#52

Acenaphthene

Concen: 47.524 ng

RT: 9.951 min Scan# 1336

Delta R.T. 0.006 min

Lab File: BF140533.D

Acq: 21 Nov 2024 13:25

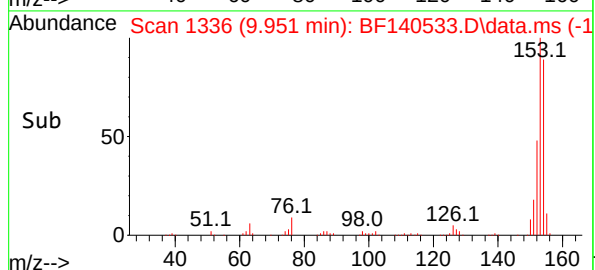
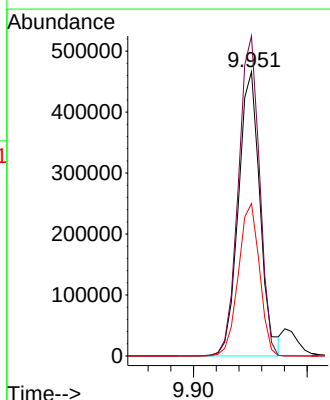
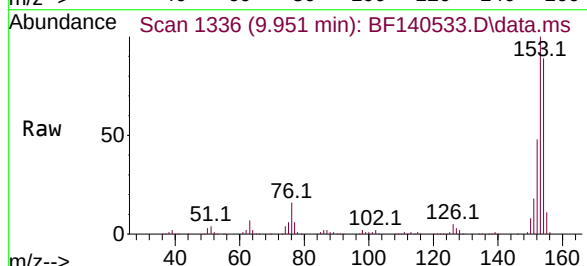
Tgt Ion:154 Resp: 615149

Ion Ratio Lower Upper

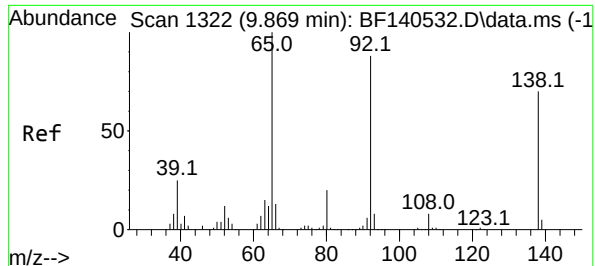
154 100

153 112.6 89.7 134.5

152 53.7 42.5 63.7







#53

3-Nitroaniline

Concen: 49.534 ng

RT: 9.875 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF140533.D

Acq: 21 Nov 2024 13:25

Instrument :

BNA\_F

ClientSampleId :

SSTDICC050

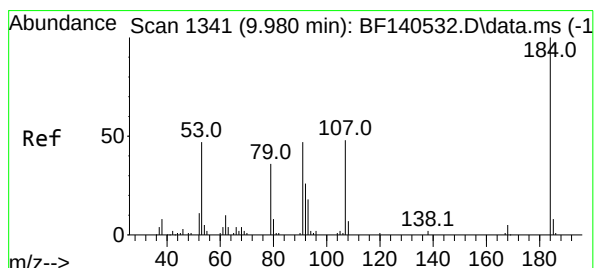
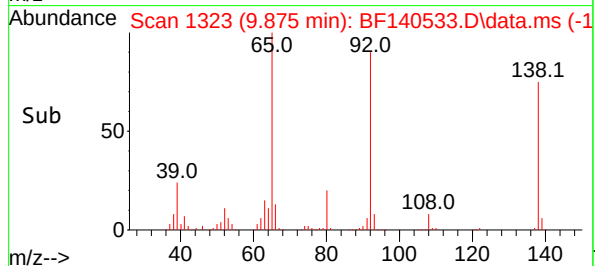
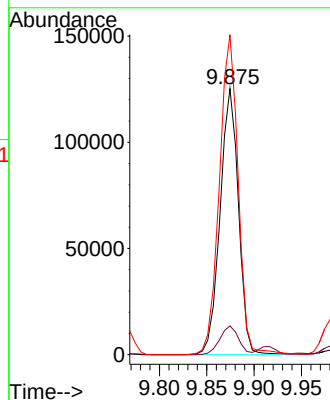
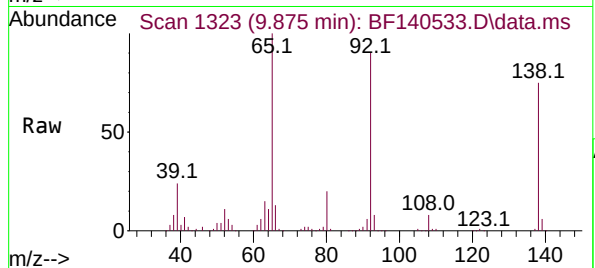
Tgt Ion:138 Resp: 169234

Ion Ratio Lower Upper

138 100

108 10.9 9.2 13.8

92 120.3 100.6 150.8



#54

2,4-Dinitrophenol

Concen: 50.205 ng

RT: 9.980 min Scan# 1341

Delta R.T. 0.000 min

Lab File: BF140533.D

Acq: 21 Nov 2024 13:25

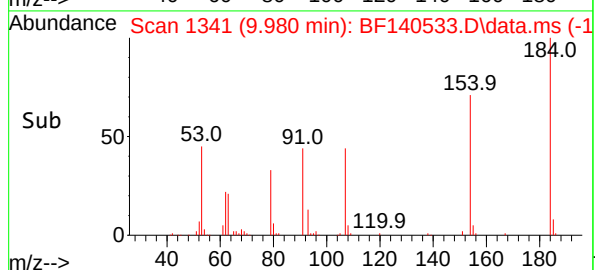
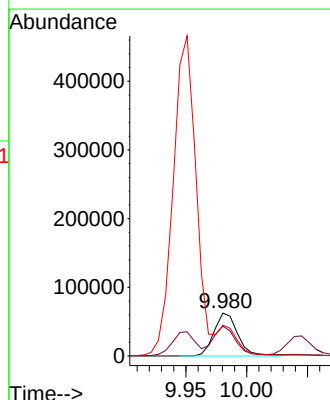
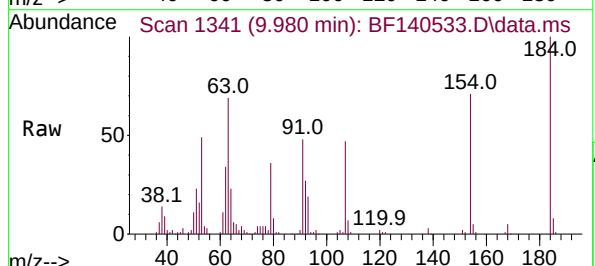
Tgt Ion:184 Resp: 84985

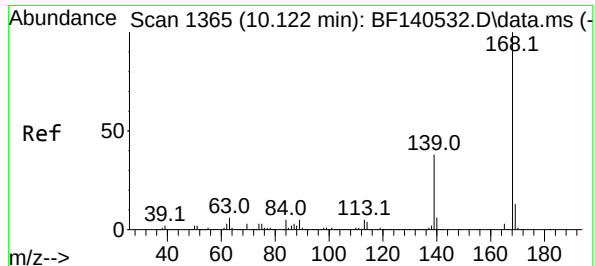
Ion Ratio Lower Upper

184 100

63 69.4 54.1 81.1

154 71.4 57.4 86.0





#55

Dibenzenofuran

Concen: 47.061 ng

RT: 10.122 min Scan# 1365

Delta R.T. -0.000 min

Lab File: BF140533.D

Acq: 21 Nov 2024 13:25

Instrument :

BNA\_F

ClientSampleId :

SSTDICC050

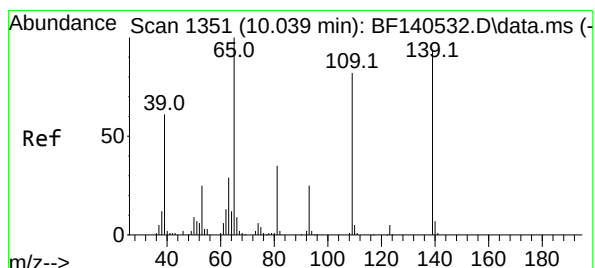
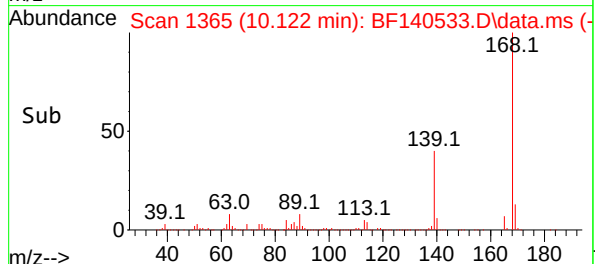
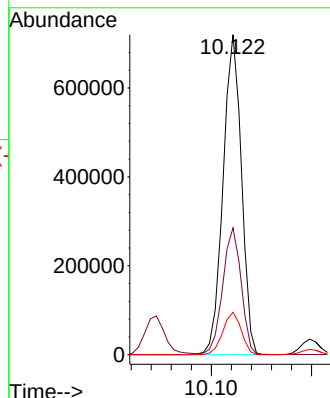
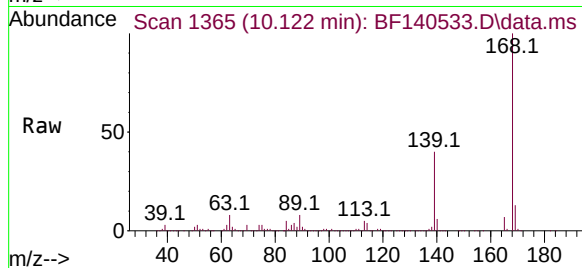
Tgt Ion:168 Resp: 911771

Ion Ratio Lower Upper

168 100

139 39.7 31.3 46.9

169 13.2 10.5 15.7



#56

4-Nitrophenol

Concen: 53.227 ng

RT: 10.045 min Scan# 1352

Delta R.T. 0.006 min

Lab File: BF140533.D

Acq: 21 Nov 2024 13:25

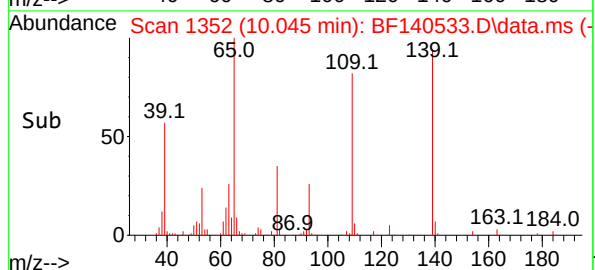
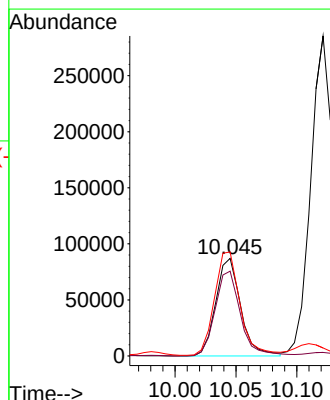
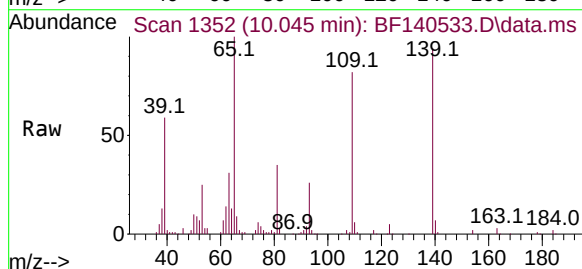
Tgt Ion:139 Resp: 124021

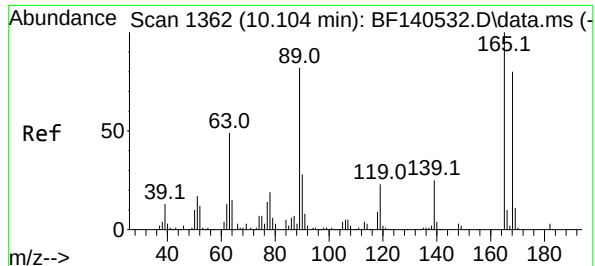
Ion Ratio Lower Upper

139 100

109 87.0 68.4 108.4

65 106.5 88.6 128.6

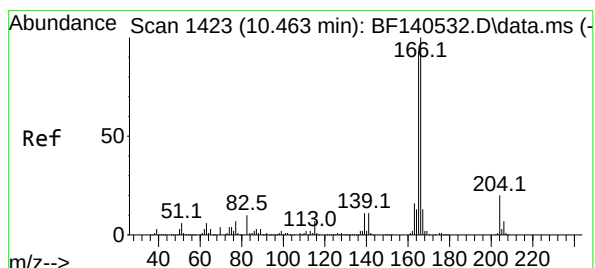
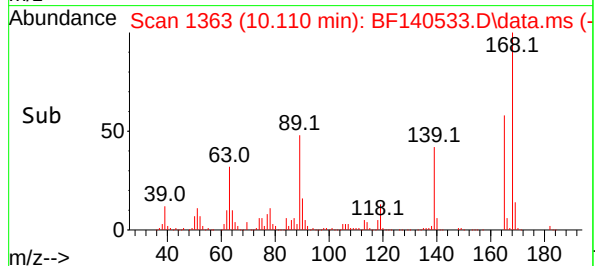
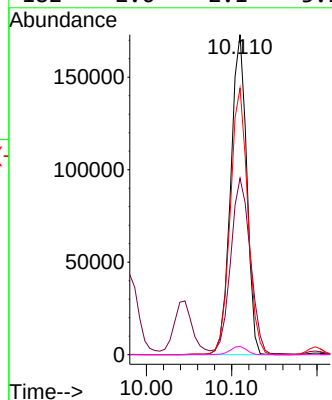
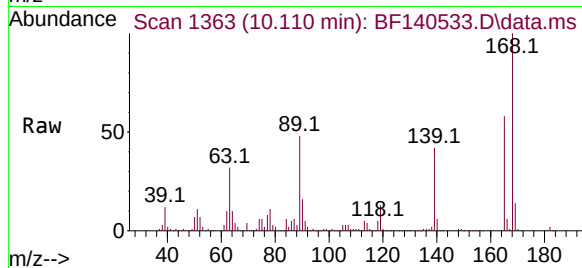




#57  
2,4-Dinitrotoluene  
Concen: 48.629 ng  
RT: 10.110 min Scan# 1363  
Delta R.T. 0.006 min  
Lab File: BF140533.D  
Acq: 21 Nov 2024 13:25

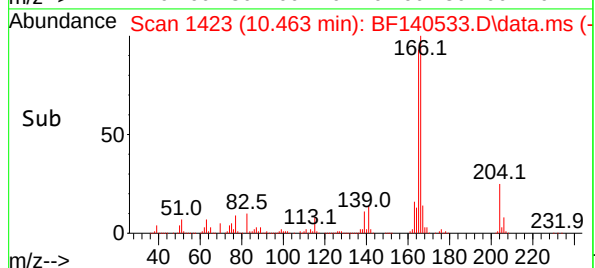
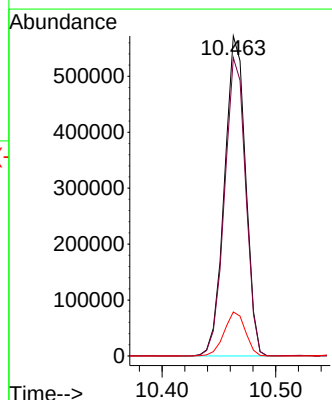
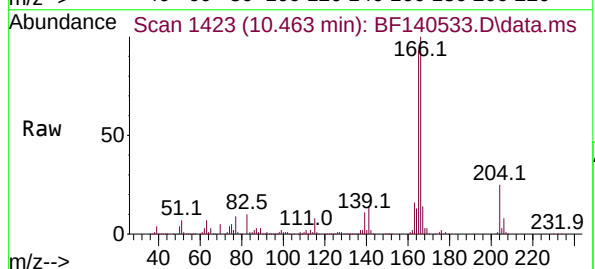
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC050

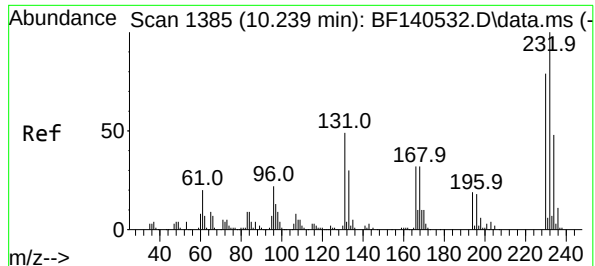
Tgt Ion:165 Resp: 225762  
Ion Ratio Lower Upper  
165 100  
63 55.2 41.7 62.5  
89 83.3 65.8 98.8  
182 2.6 2.1 3.1



#58  
Fluorene  
Concen: 47.486 ng  
RT: 10.463 min Scan# 1423  
Delta R.T. -0.000 min  
Lab File: BF140533.D  
Acq: 21 Nov 2024 13:25

Tgt Ion:166 Resp: 738453  
Ion Ratio Lower Upper  
166 100  
165 93.2 74.6 111.8  
167 13.8 10.6 16.0

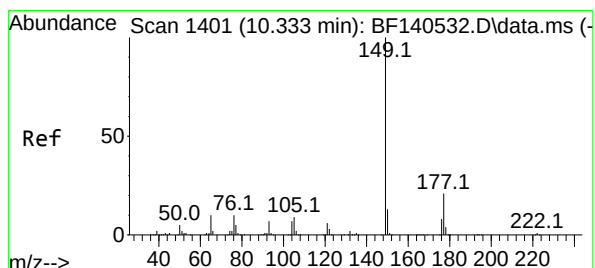
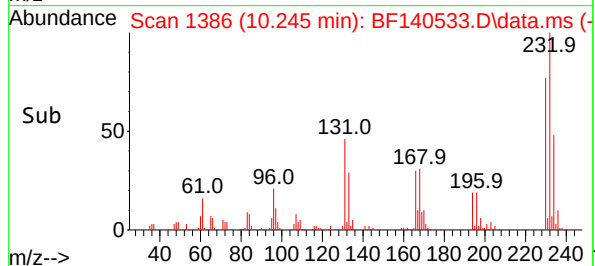
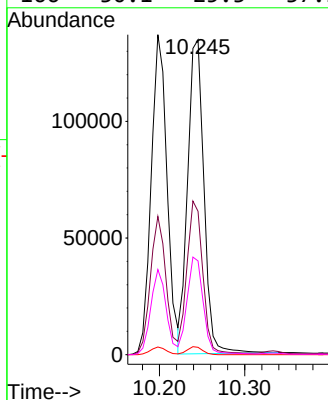
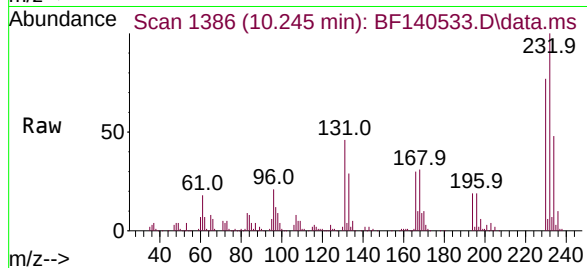




#59  
2,3,4,6-Tetrachlorophenol  
Concen: 49.828 ng  
RT: 10.245 min Scan# 1386  
Delta R.T. 0.006 min  
Lab File: BF140533.D  
Acq: 21 Nov 2024 13:25

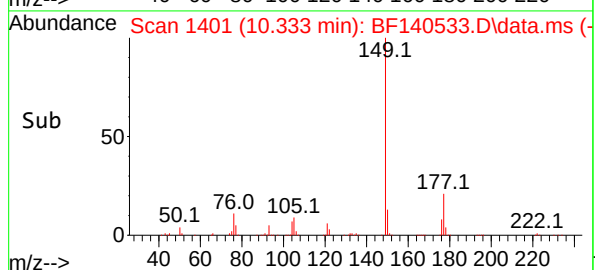
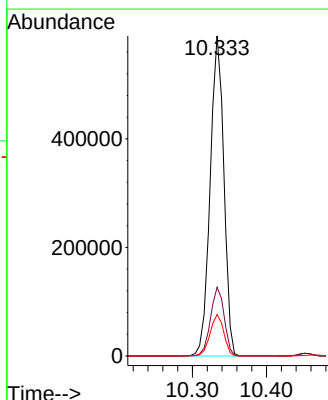
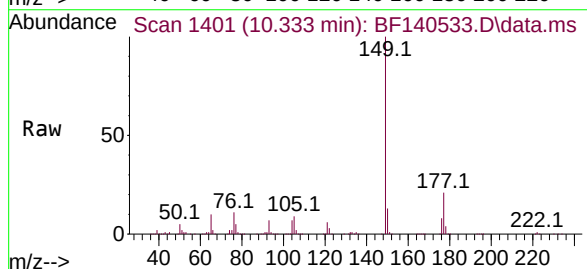
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC050

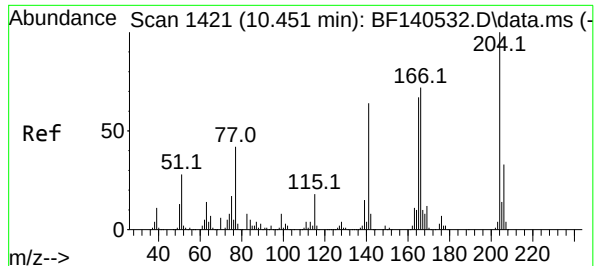
Tgt Ion:232 Resp: 178549  
Ion Ratio Lower Upper  
232 100  
131 47.7 39.6 59.4  
130 2.4 1.9 2.9  
166 30.1 25.3 37.9



#60  
Diethylphthalate  
Concen: 48.268 ng  
RT: 10.333 min Scan# 1401  
Delta R.T. -0.000 min  
Lab File: BF140533.D  
Acq: 21 Nov 2024 13:25

Tgt Ion:149 Resp: 755358  
Ion Ratio Lower Upper  
149 100  
177 21.5 17.1 25.7  
150 12.9 10.1 15.1

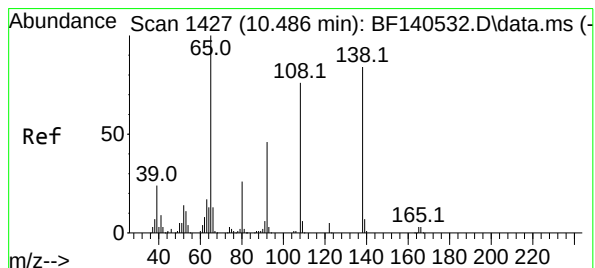
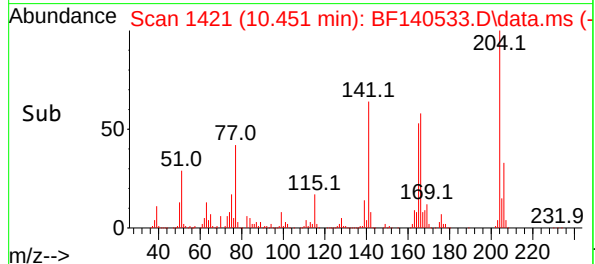
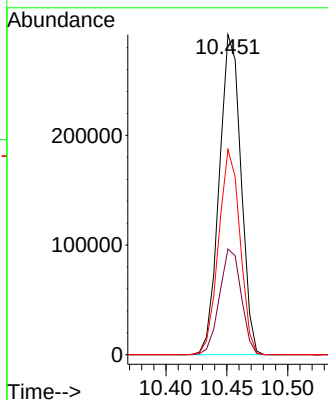
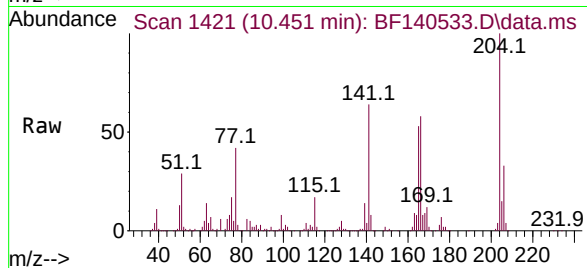




#61  
4-Chlorophenyl-phenylether  
Concen: 47.414 ng  
RT: 10.451 min Scan# 1421  
Delta R.T. -0.000 min  
Lab File: BF140533.D  
Acq: 21 Nov 2024 13:25

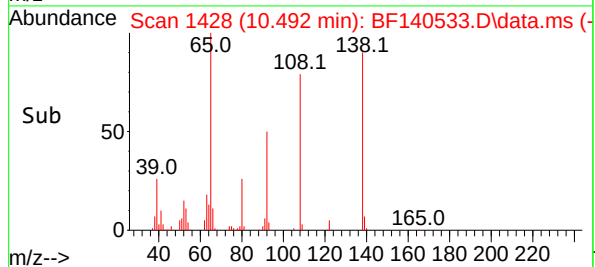
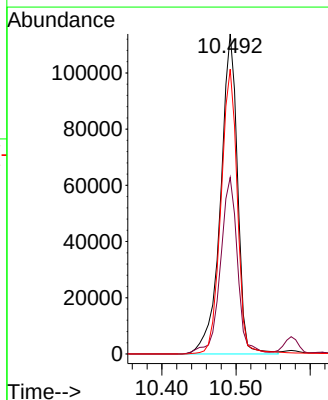
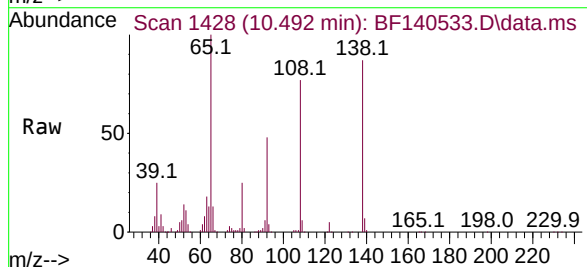
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC050

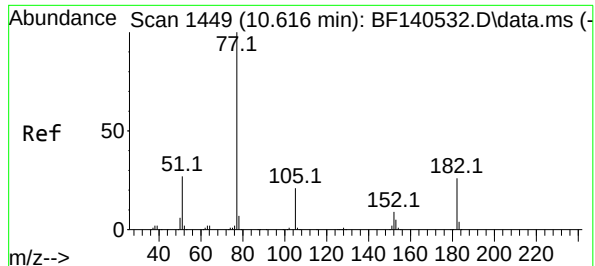
Tgt Ion:204 Resp: 361856  
Ion Ratio Lower Upper  
204 100  
206 33.1 26.6 40.0  
141 64.1 51.1 76.7



#62  
4-Nitroaniline  
Concen: 50.512 ng  
RT: 10.492 min Scan# 1428  
Delta R.T. 0.006 min  
Lab File: BF140533.D  
Acq: 21 Nov 2024 13:25

Tgt Ion:138 Resp: 180999  
Ion Ratio Lower Upper  
138 100  
92 55.2 34.5 74.5  
108 89.0 70.6 110.6

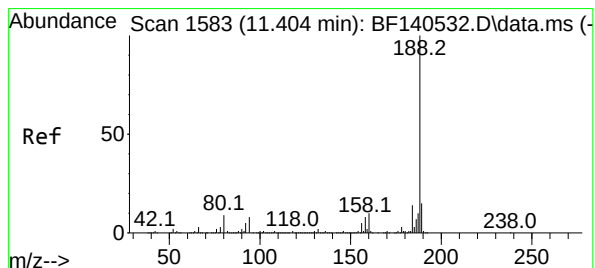
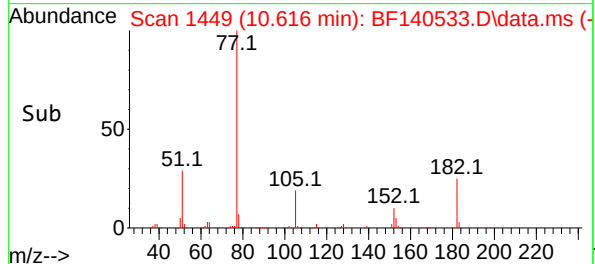
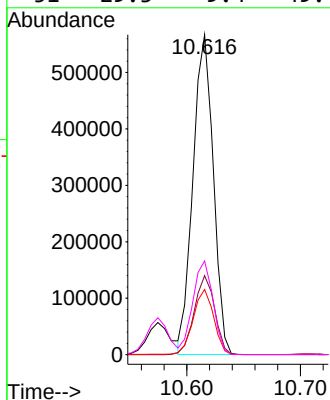
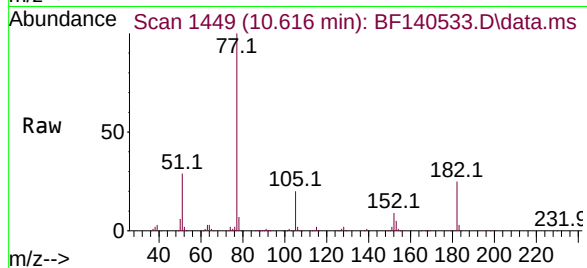




#63  
Azobenzene  
Concen: 47.529 ng  
RT: 10.616 min Scan# 1449  
Delta R.T. -0.000 min  
Lab File: BF140533.D  
Acq: 21 Nov 2024 13:25

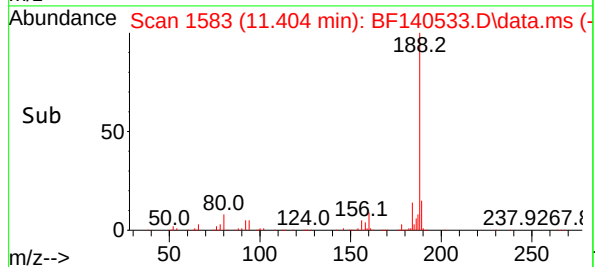
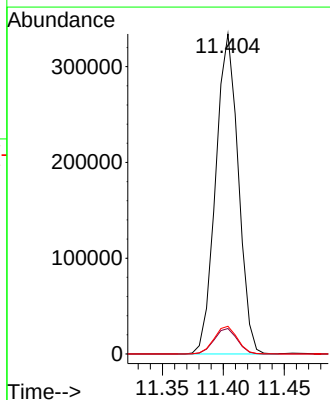
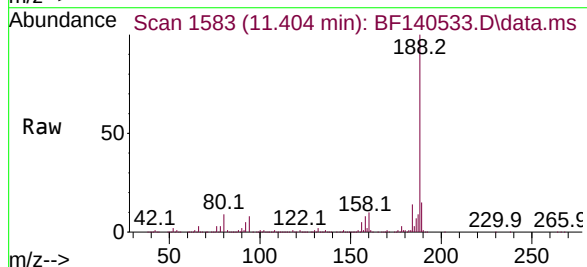
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC050

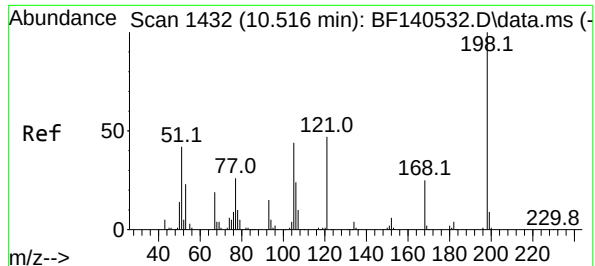
Tgt Ion: 77 Resp: 704370  
Ion Ratio Lower Upper  
77 100  
182 24.7 5.3 45.3  
105 20.4 0.3 40.3  
51 29.3 9.4 49.4



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.404 min Scan# 1583  
Delta R.T. -0.000 min  
Lab File: BF140533.D  
Acq: 21 Nov 2024 13:25

Tgt Ion: 188 Resp: 432727  
Ion Ratio Lower Upper  
188 100  
94 7.9 6.4 9.6  
80 8.7 6.9 10.3

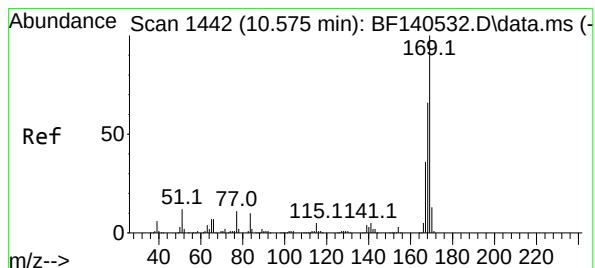
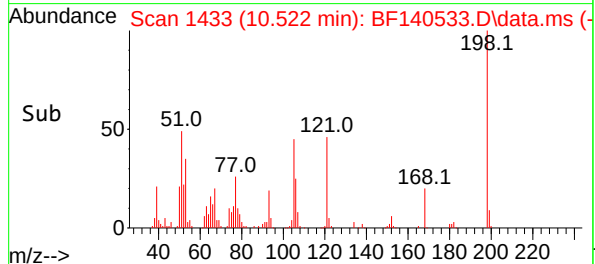
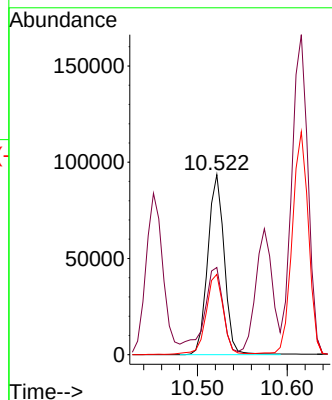
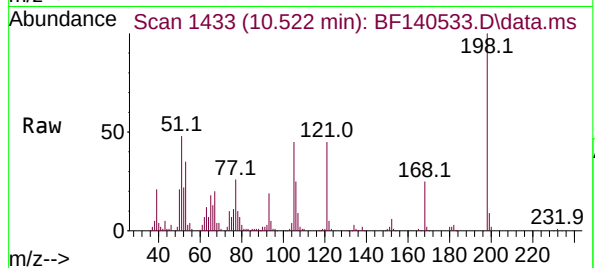




#65  
4,6-Dinitro-2-methylphenol  
Concen: 53.947 ng  
RT: 10.522 min Scan# 1432  
Delta R.T. 0.006 min  
Lab File: BF140533.D  
Acq: 21 Nov 2024 13:25

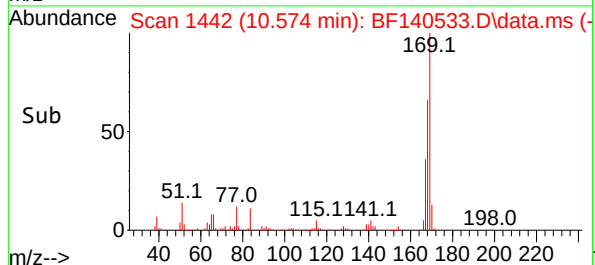
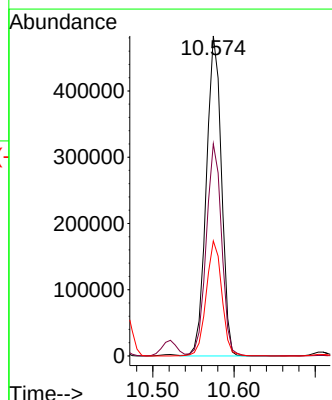
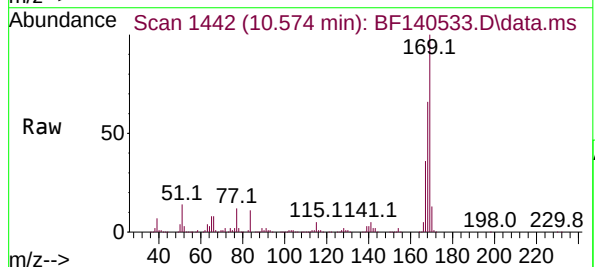
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC050

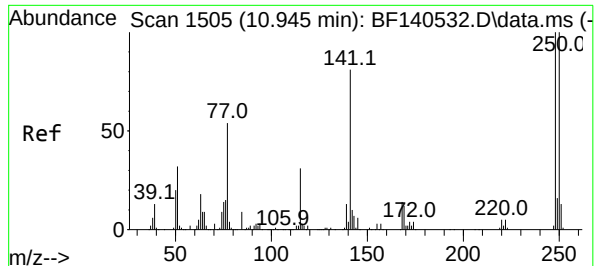
Tgt Ion:198 Resp: 119290  
Ion Ratio Lower Upper  
198 100  
51 48.5 29.4 69.4  
105 44.6 25.4 65.4



#66  
n-Nitrosodiphenylamine  
Concen: 48.740 ng  
RT: 10.574 min Scan# 1442  
Delta R.T. -0.000 min  
Lab File: BF140533.D  
Acq: 21 Nov 2024 13:25

Tgt Ion:169 Resp: 623715  
Ion Ratio Lower Upper  
169 100  
168 66.3 53.2 79.8  
167 36.0 29.0 43.6





#67

4-Bromophenyl-phenylether

Concen: 48.587 ng

RT: 10.945 min Scan# 1505

Delta R.T. -0.000 min

Lab File: BF140533.D

Acq: 21 Nov 2024 13:25

Instrument :

BNA\_F

ClientSampleId :

SSTDIC050

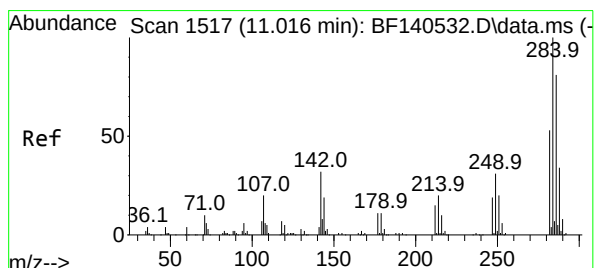
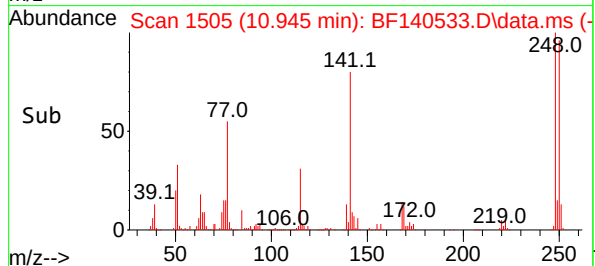
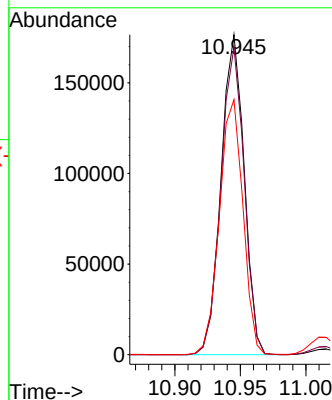
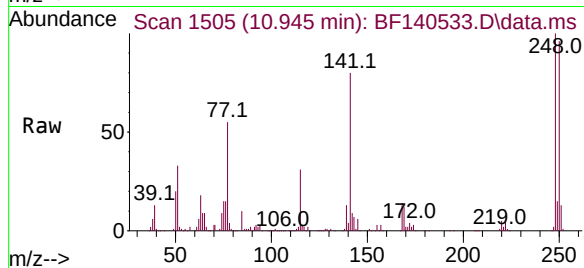
Tgt Ion:248 Resp: 216523

Ion Ratio Lower Upper

248 100

250 96.1 79.8 119.8

141 79.7 64.7 97.1



#68

Hexachlorobenzene

Concen: 48.739 ng

RT: 11.016 min Scan# 1517

Delta R.T. -0.000 min

Lab File: BF140533.D

Acq: 21 Nov 2024 13:25

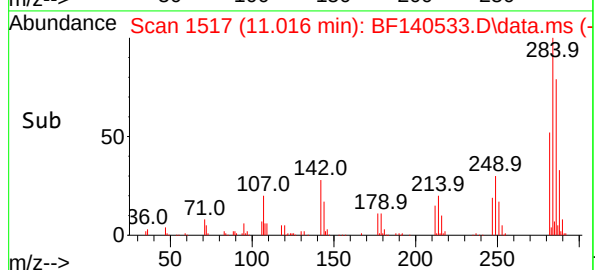
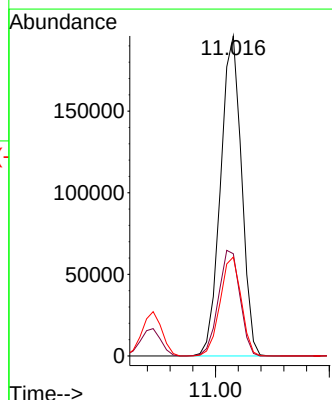
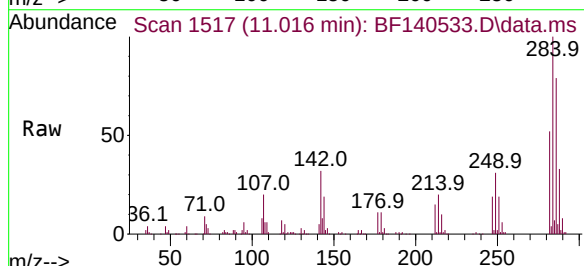
Tgt Ion:284 Resp: 251498

Ion Ratio Lower Upper

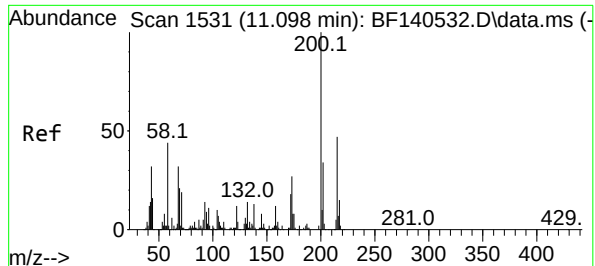
284 100

142 32.0 25.3 37.9

249 30.9 24.8 37.2



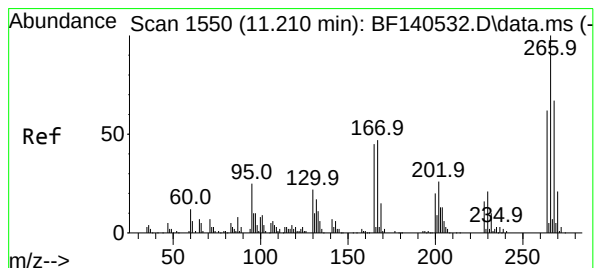
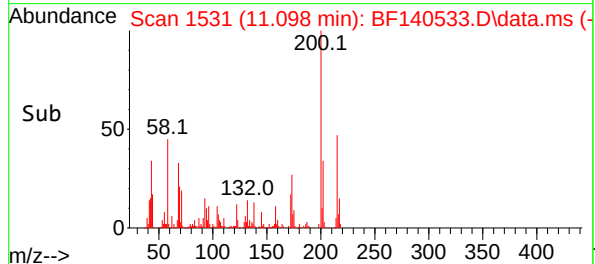
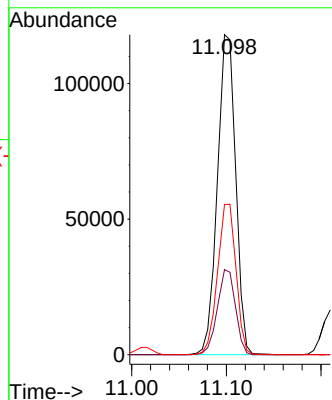
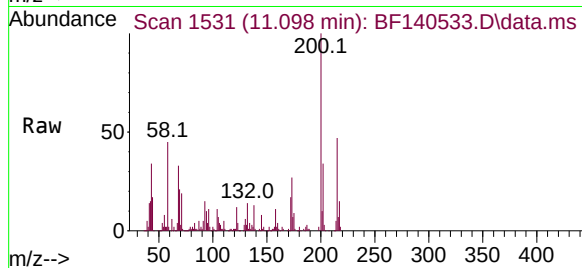




#69  
Atrazine  
Concen: 44.180 ng  
RT: 11.098 min Scan# 1531  
Delta R.T. -0.000 min  
Lab File: BF140533.D  
Acq: 21 Nov 2024 13:25

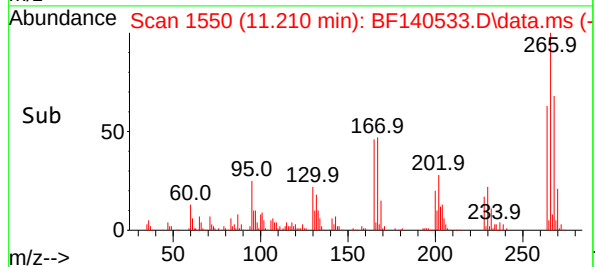
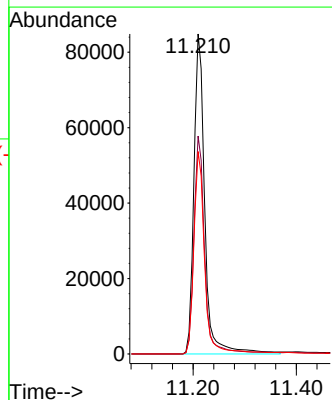
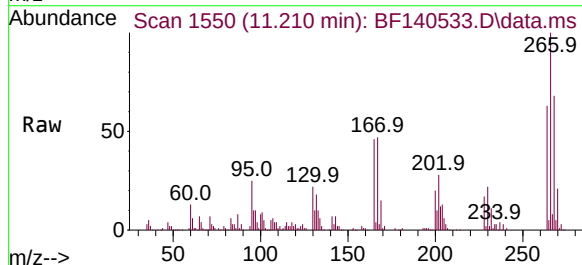
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC050

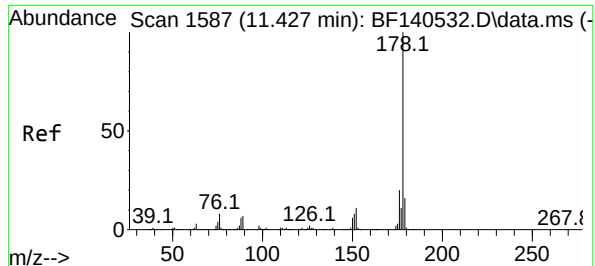
Tgt Ion:200 Resp: 159048  
Ion Ratio Lower Upper  
200 100  
173 26.6 7.0 47.0  
215 46.9 26.7 66.7



#70  
Pentachlorophenol  
Concen: 54.656 ng  
RT: 11.210 min Scan# 1550  
Delta R.T. -0.000 min  
Lab File: BF140533.D  
Acq: 21 Nov 2024 13:25

Tgt Ion:266 Resp: 124128  
Ion Ratio Lower Upper  
266 100  
268 68.1 53.7 80.5  
264 63.3 49.8 74.8

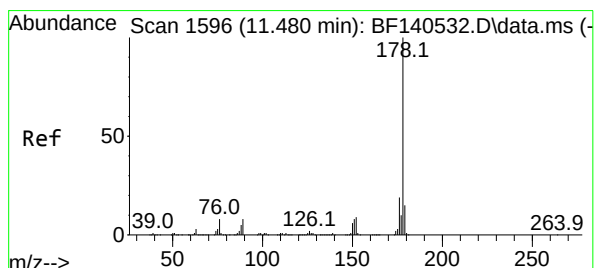
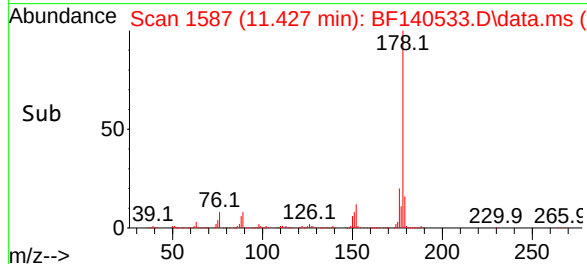
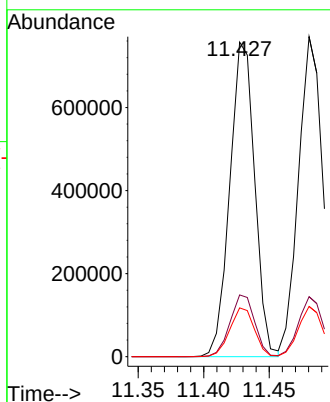
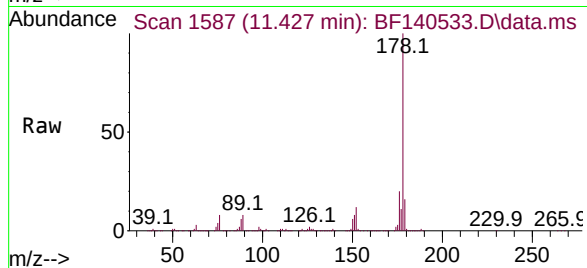




#71  
Phenanthrene  
Concen: 48.118 ng  
RT: 11.427 min Scan# 1587  
Delta R.T. -0.000 min  
Lab File: BF140533.D  
Acq: 21 Nov 2024 13:25

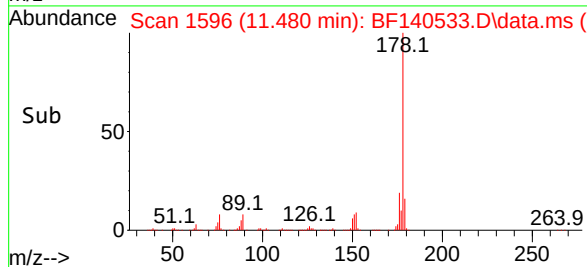
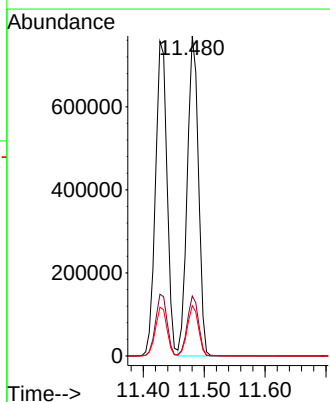
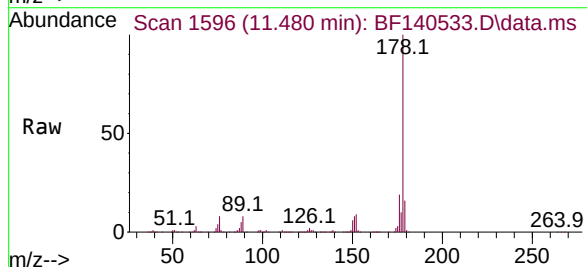
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC050

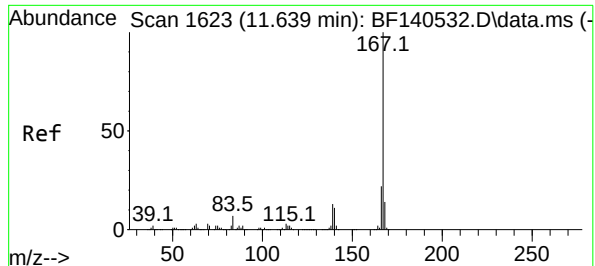
Tgt Ion:178 Resp: 1000897  
Ion Ratio Lower Upper  
178 100  
176 19.6 15.8 23.6  
179 15.5 12.4 18.6



#72  
Anthracene  
Concen: 48.111 ng  
RT: 11.480 min Scan# 1596  
Delta R.T. -0.000 min  
Lab File: BF140533.D  
Acq: 21 Nov 2024 13:25

Tgt Ion:178 Resp: 978923  
Ion Ratio Lower Upper  
178 100  
176 18.8 15.0 22.4  
179 15.7 12.2 18.4

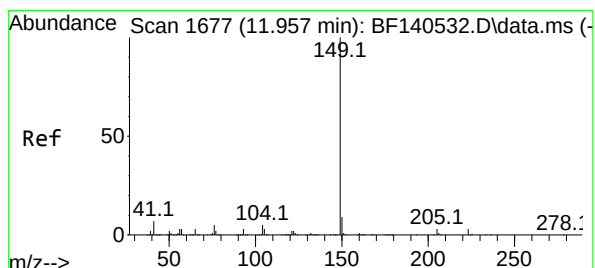
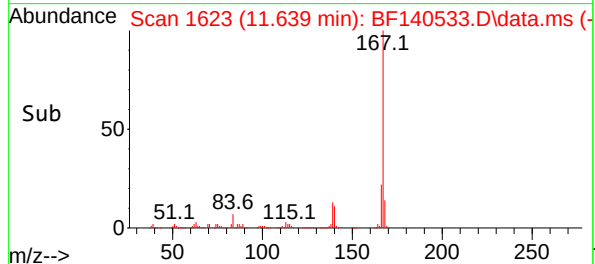
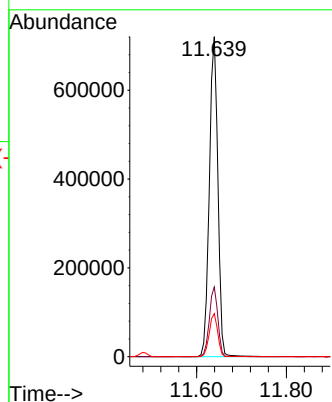
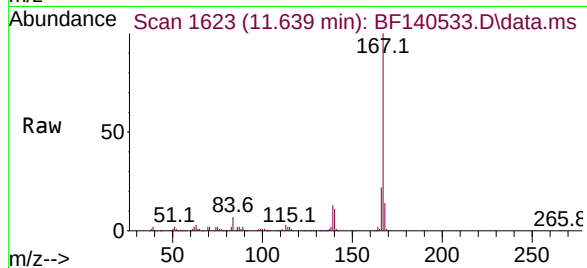




#73  
Carbazole  
Concen: 48.436 ng  
RT: 11.639 min Scan# 1623  
Delta R.T. -0.000 min  
Lab File: BF140533.D  
Acq: 21 Nov 2024 13:25

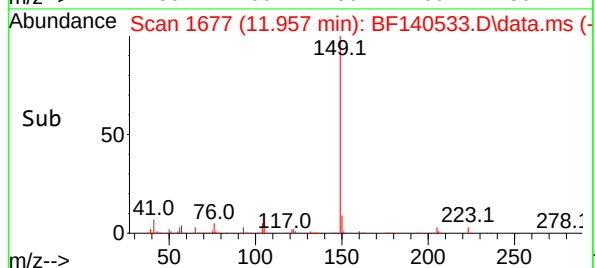
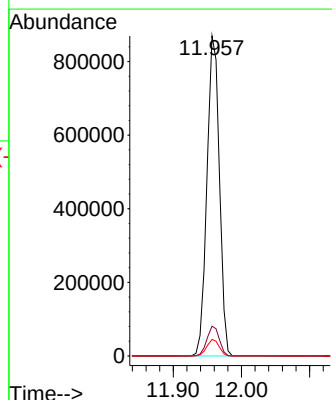
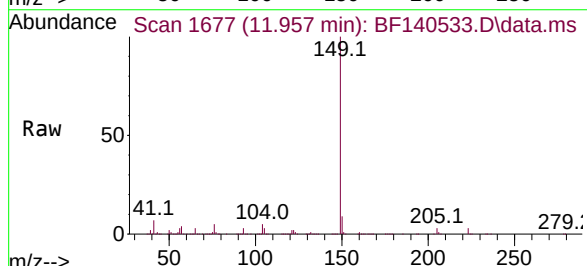
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC050

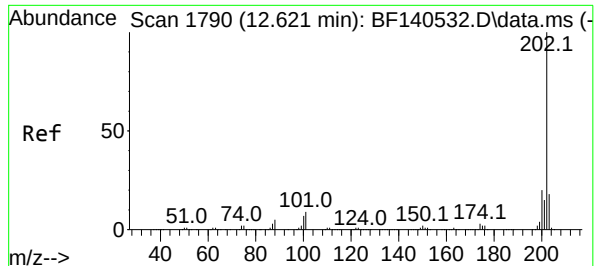
Tgt Ion:167 Resp: 948090  
Ion Ratio Lower Upper  
167 100  
166 21.8 17.2 25.8  
139 13.5 10.6 15.8



#74  
Di-n-butylphthalate  
Concen: 48.899 ng  
RT: 11.957 min Scan# 1677  
Delta R.T. -0.000 min  
Lab File: BF140533.D  
Acq: 21 Nov 2024 13:25

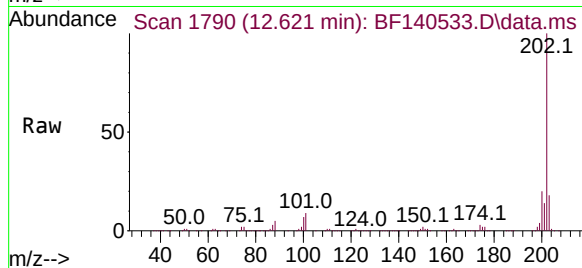
Tgt Ion:149 Resp: 1105032  
Ion Ratio Lower Upper  
149 100  
150 9.3 7.5 11.3  
104 5.2 4.1 6.1



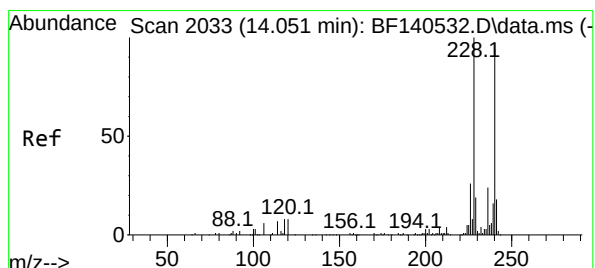
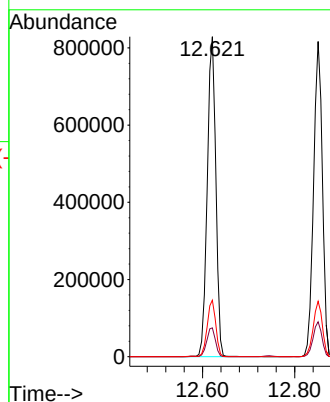
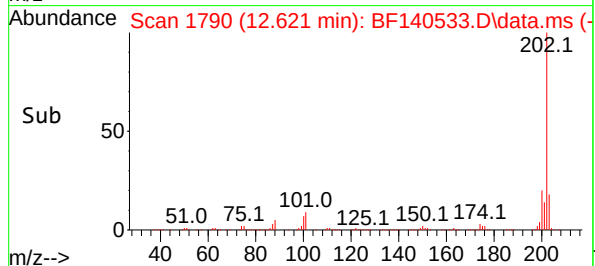


#75  
Fluoranthene  
Concen: 47.849 ng  
RT: 12.621 min Scan# 1  
Delta R.T. -0.000 min  
Lab File: BF140533.D  
Acq: 21 Nov 2024 13:25

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC050

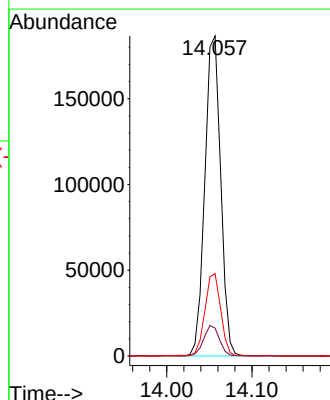
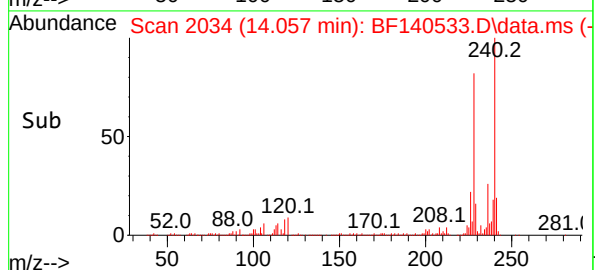
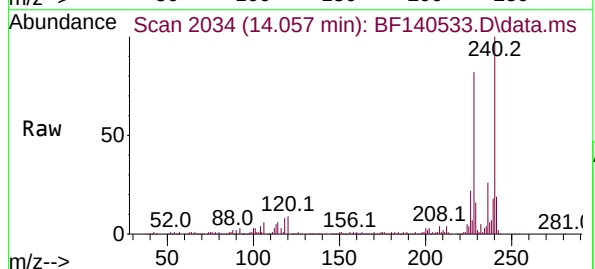


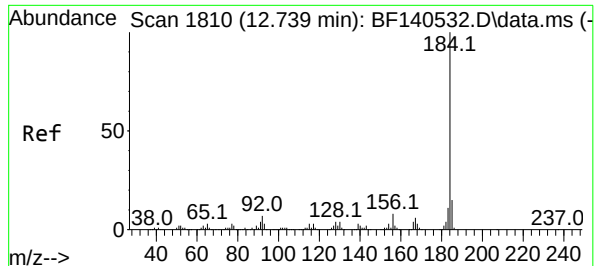
Tgt Ion:202 Resp: 1080641  
Ion Ratio Lower Upper  
202 100  
101 9.0 0.0 28.9  
203 17.7 0.0 37.6



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.057 min Scan# 2034  
Delta R.T. 0.006 min  
Lab File: BF140533.D  
Acq: 21 Nov 2024 13:25

Tgt Ion:240 Resp: 241266  
Ion Ratio Lower Upper  
240 100  
120 8.7 7.3 10.9  
236 25.7 20.6 31.0





#77

Benzidine

Concen: 63.133 ng

RT: 12.745 min Scan# 1811

Delta R.T. 0.006 min

Lab File: BF140533.D

Acq: 21 Nov 2024 13:25

Instrument :

BNA\_F

ClientSampleId :

SSTDICC050

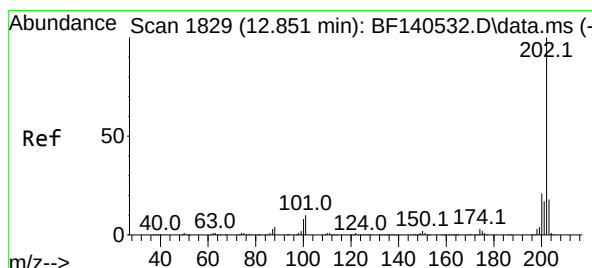
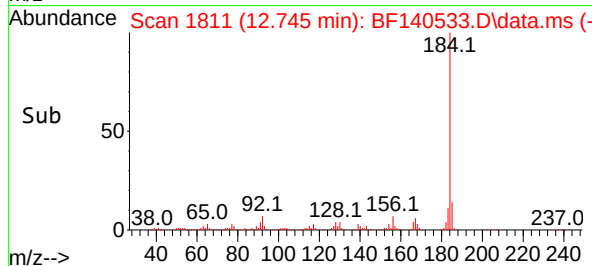
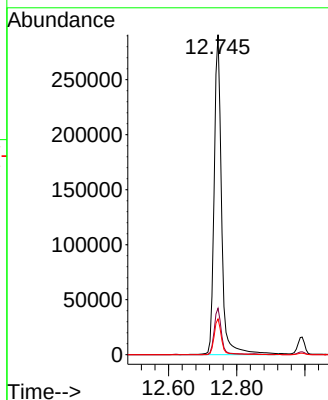
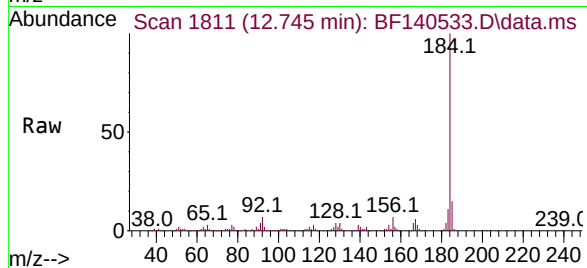
Tgt Ion:184 Resp: 442856

Ion Ratio Lower Upper

184 100

185 14.5 11.7 17.5

183 11.2 8.8 13.2



#78

Pyrene

Concen: 48.420 ng

RT: 12.851 min Scan# 1829

Delta R.T. -0.000 min

Lab File: BF140533.D

Acq: 21 Nov 2024 13:25

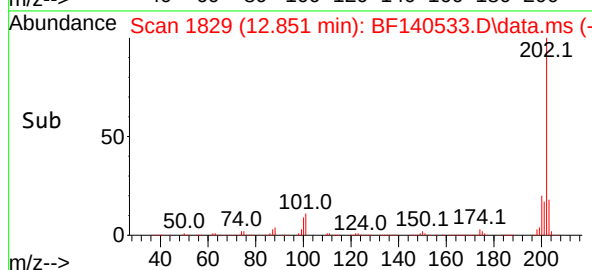
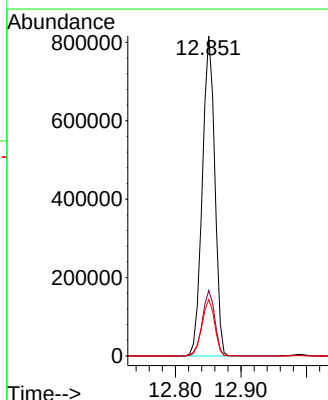
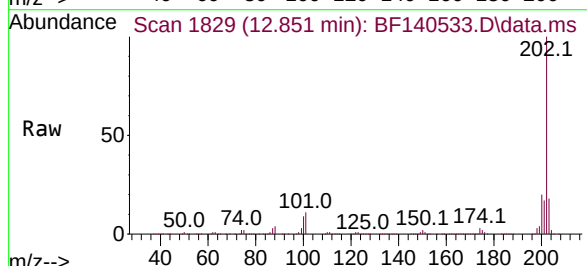
Tgt Ion:202 Resp: 1080149

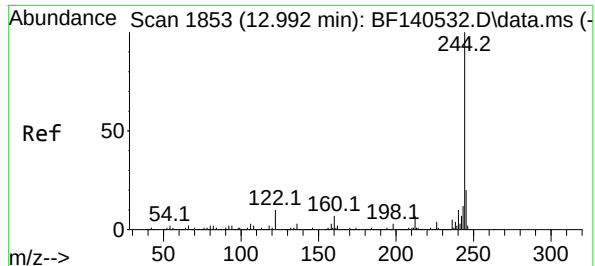
Ion Ratio Lower Upper

202 100

200 20.4 16.5 24.7

203 17.6 14.2 21.4





#79

Terphenyl-d14

Concen: 95.640 ng

RT: 12.992 min Scan# 1853

Delta R.T. -0.000 min

Lab File: BF140533.D

Acq: 21 Nov 2024 13:25

Instrument :

BNA\_F

ClientSampleId :

SSTDICC050

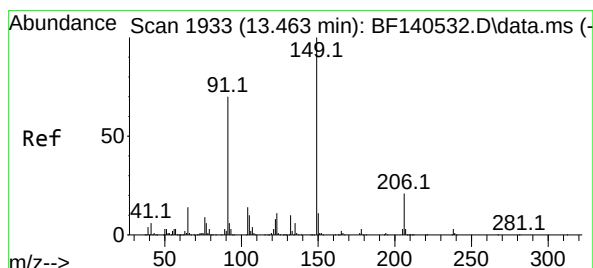
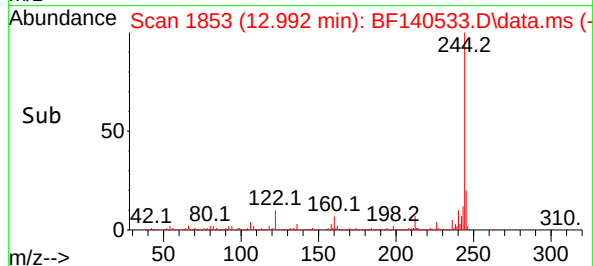
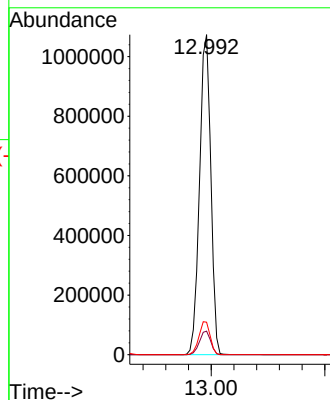
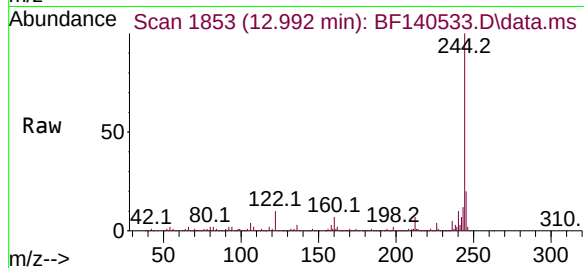
Tgt Ion:244 Resp: 1481875

Ion Ratio Lower Upper

244 100

212 7.4 5.8 8.8

122 10.2 8.0 12.0



#80

Butylbenzylphthalate

Concen: 49.136 ng

RT: 13.463 min Scan# 1933

Delta R.T. -0.000 min

Lab File: BF140533.D

Acq: 21 Nov 2024 13:25

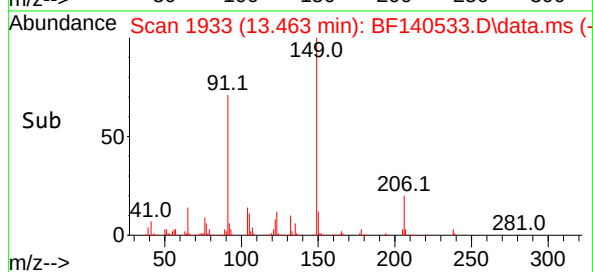
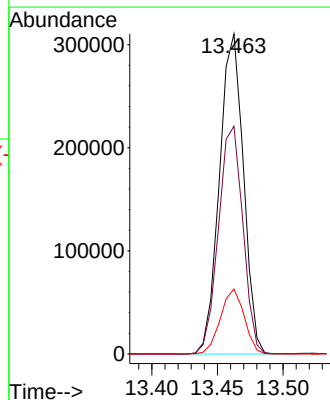
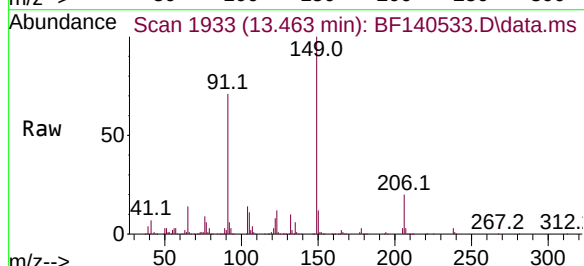
Tgt Ion:149 Resp: 394867

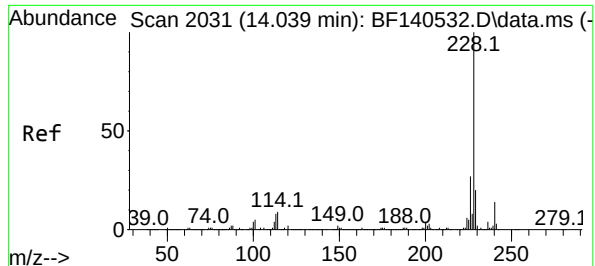
Ion Ratio Lower Upper

149 100

91 71.1 56.2 84.2

206 20.3 16.4 24.6

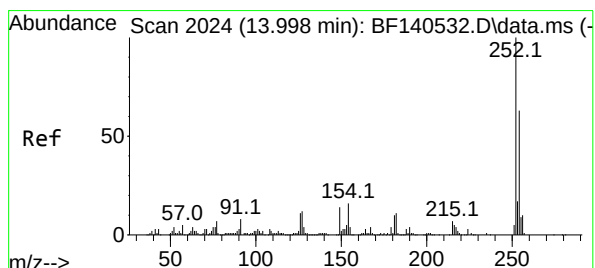
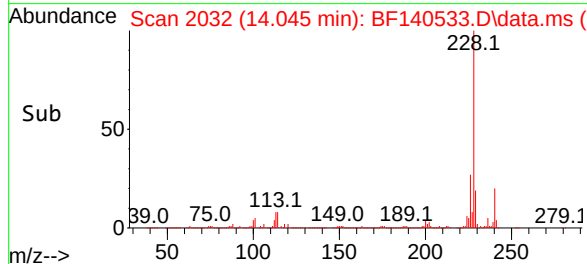
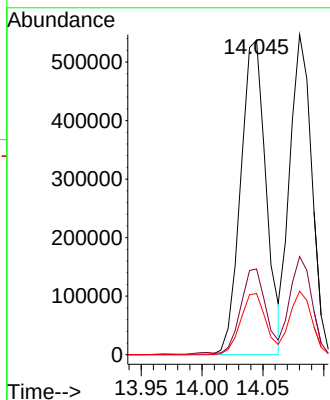
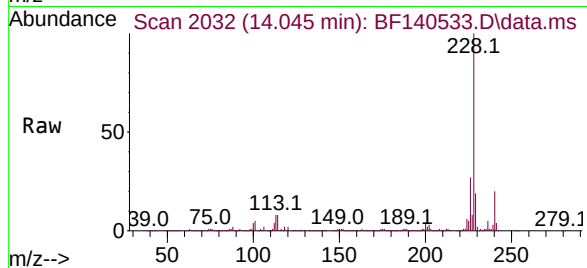




#81  
Benzo(a)anthracene  
Concen: 48.892 ng  
RT: 14.045 min Scan# 2031  
Delta R.T. 0.006 min  
Lab File: BF140533.D  
Acq: 21 Nov 2024 13:25

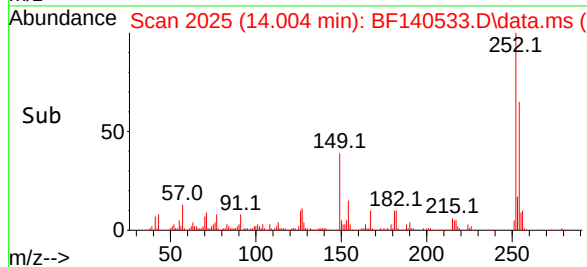
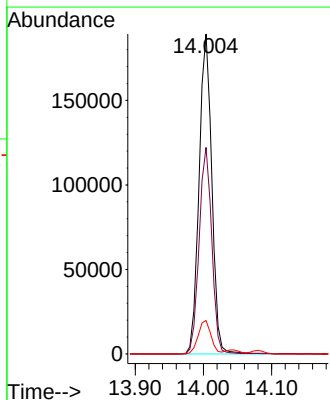
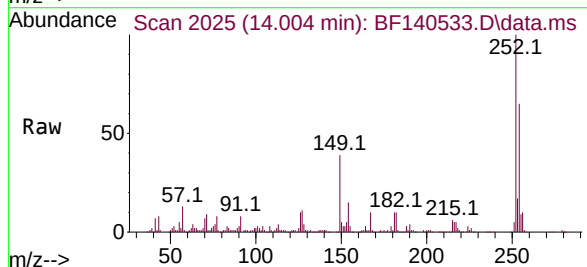
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC050

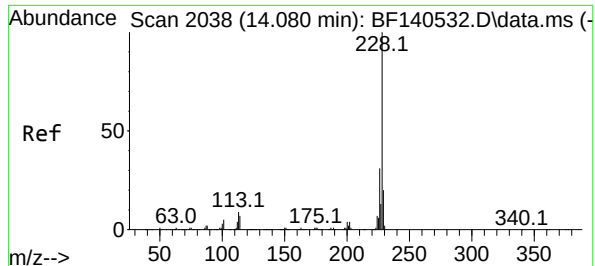
Tgt Ion:228 Resp: 780853  
Ion Ratio Lower Upper  
228 100  
226 27.3 21.8 32.8  
229 19.5 15.8 23.6



#82  
3,3'-Dichlorobenzidine  
Concen: 51.072 ng  
RT: 14.004 min Scan# 2025  
Delta R.T. 0.006 min  
Lab File: BF140533.D  
Acq: 21 Nov 2024 13:25

Tgt Ion:252 Resp: 244892  
Ion Ratio Lower Upper  
252 100  
254 64.5 50.8 76.2  
126 10.5 8.6 13.0





#83

Chrysene

Concen: 46.964 ng

RT: 14.080 min Scan# 2038

Delta R.T. -0.000 min

Lab File: BF140533.D

Acq: 21 Nov 2024 13:25

Instrument :

BNA\_F

ClientSampleId :

SSTDICC050

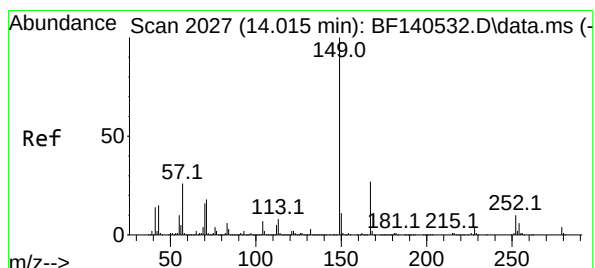
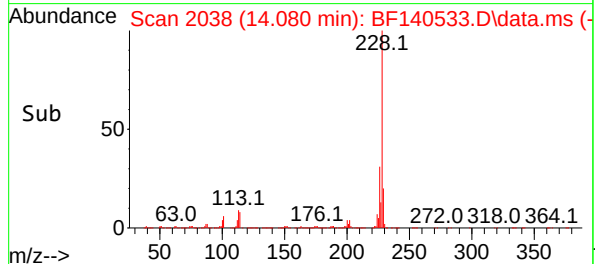
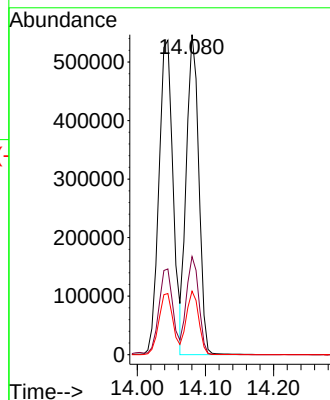
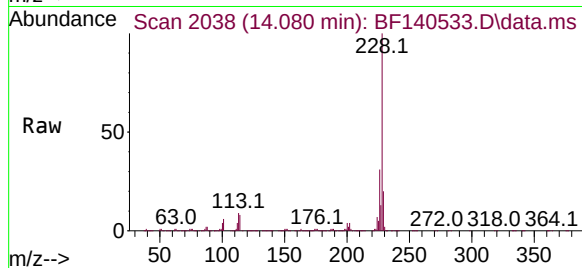
Tgt Ion:228 Resp: 685847

Ion Ratio Lower Upper

228 100

226 30.6 24.4 36.6

229 19.8 15.8 23.6



#84

Bis(2-ethylhexyl)phthalate

Concen: 48.994 ng

RT: 14.021 min Scan# 2028

Delta R.T. 0.006 min

Lab File: BF140533.D

Acq: 21 Nov 2024 13:25

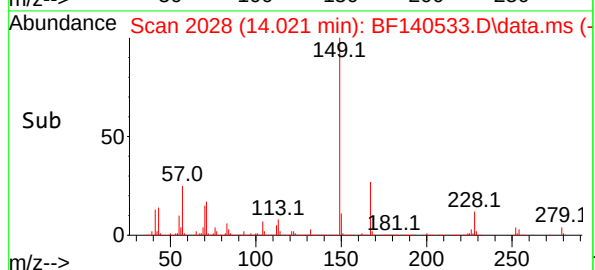
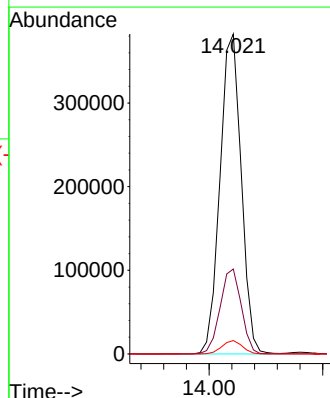
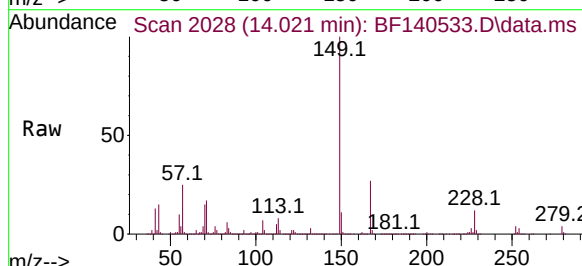
Tgt Ion:149 Resp: 497161

Ion Ratio Lower Upper

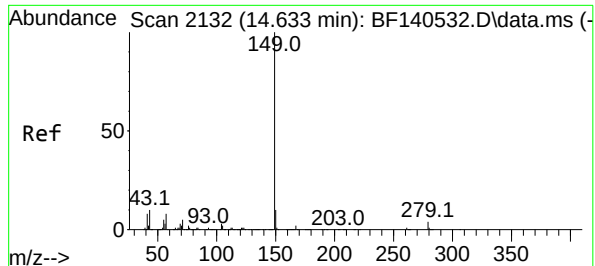
149 100

167 26.5 21.2 31.8

279 4.2 3.2 4.8



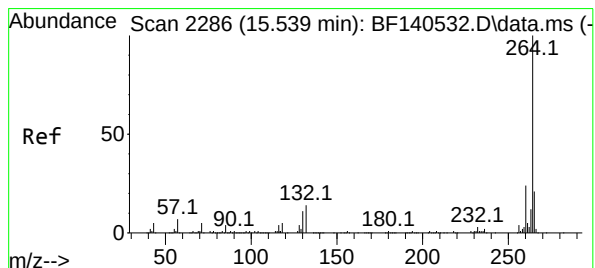
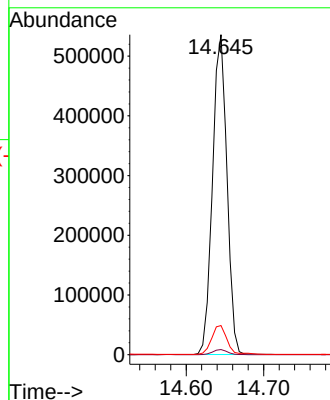
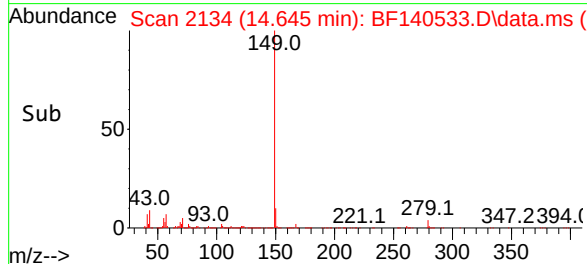
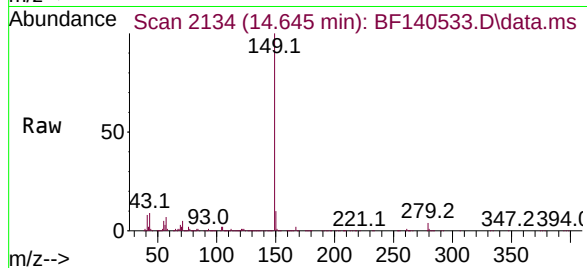




#85  
Di-n-octyl phthalate  
Concen: 49.901 ng  
RT: 14.645 min Scan# 2134  
Delta R.T. 0.012 min  
Lab File: BF140533.D  
Acq: 21 Nov 2024 13:25

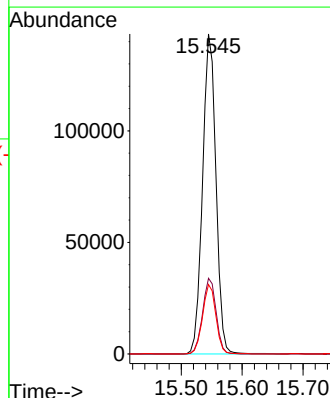
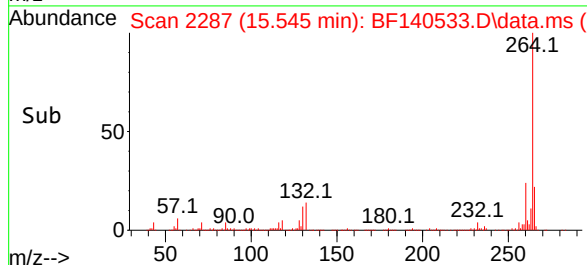
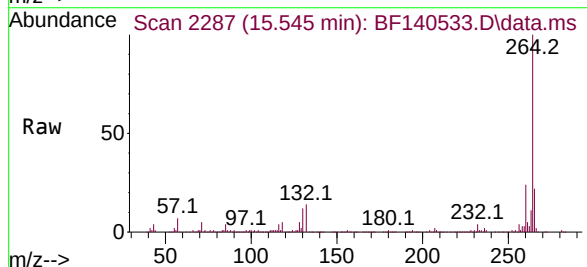
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC050

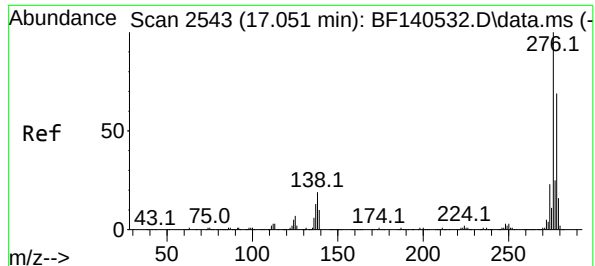
Tgt Ion:149 Resp: 692020  
Ion Ratio Lower Upper  
149 100  
167 1.6 1.3 1.9  
43 9.6 7.7 11.5



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.545 min Scan# 2287  
Delta R.T. 0.006 min  
Lab File: BF140533.D  
Acq: 21 Nov 2024 13:25

Tgt Ion:264 Resp: 219139  
Ion Ratio Lower Upper  
264 100  
260 23.6 19.0 28.6  
265 21.7 16.6 25.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 50.117 ng

RT: 17.062 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF140533.D

Acq: 21 Nov 2024 13:25

Instrument :

BNA\_F

ClientSampleId :

SSTDICC050

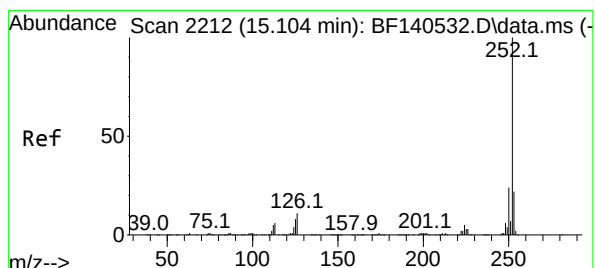
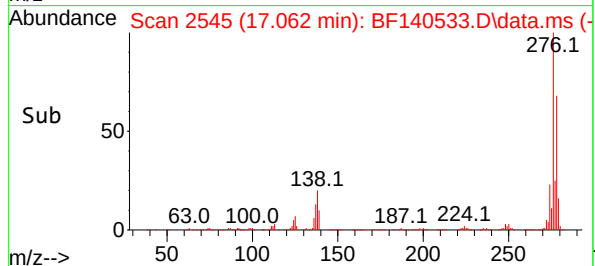
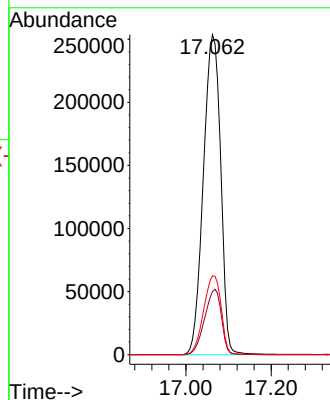
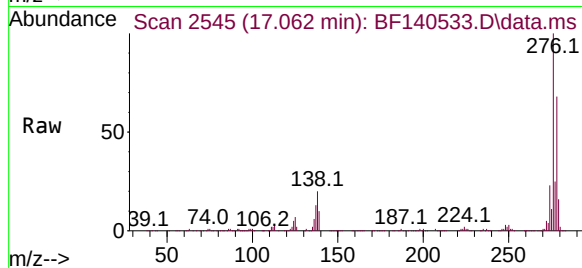
Tgt Ion:276 Resp: 715720

Ion Ratio Lower Upper

276 100

138 19.8 15.5 23.3

277 25.0 20.1 30.1



#88

Benzo(b)fluoranthene

Concen: 49.687 ng

RT: 15.109 min Scan# 2213

Delta R.T. 0.006 min

Lab File: BF140533.D

Acq: 21 Nov 2024 13:25

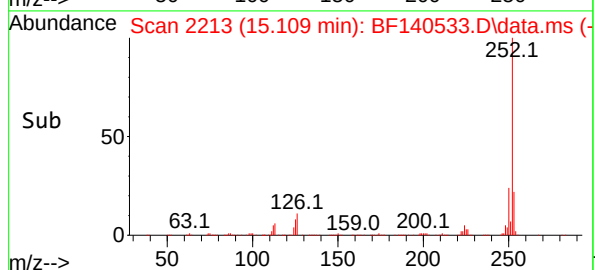
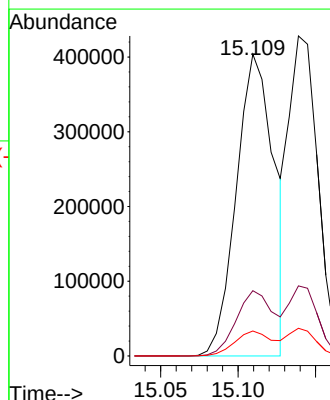
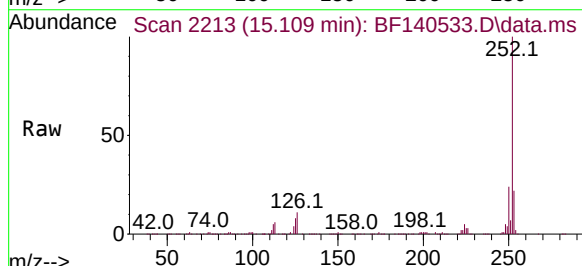
Tgt Ion:252 Resp: 683919

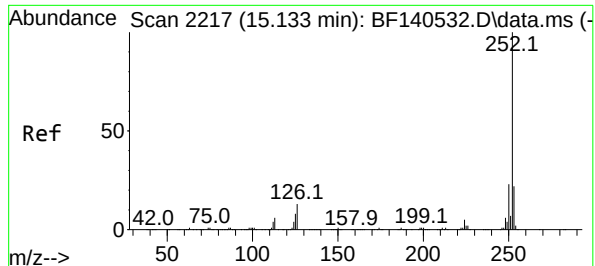
Ion Ratio Lower Upper

252 100

253 21.7 17.2 25.8

125 8.3 6.7 10.1





#89

Benzo(k)fluoranthene

Concen: 46.467 ng

RT: 15.139 min Scan# 2217

Delta R.T. 0.006 min

Lab File: BF140533.D

Acq: 21 Nov 2024 13:25

Instrument :

BNA\_F

ClientSampleId :

SSTDICC050

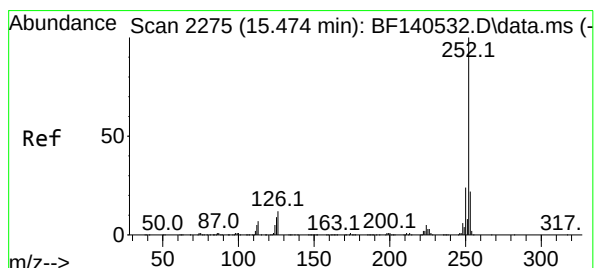
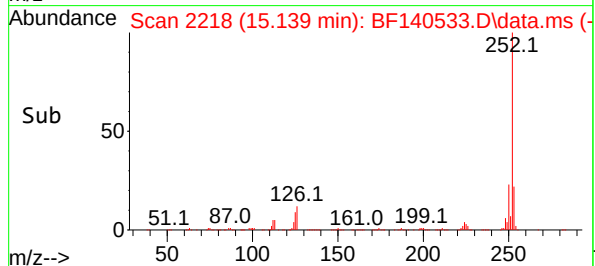
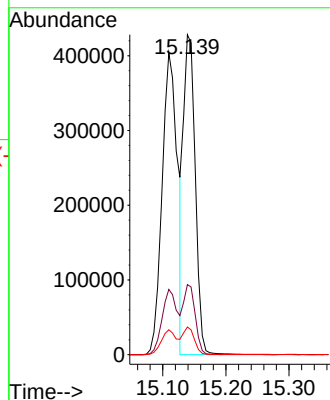
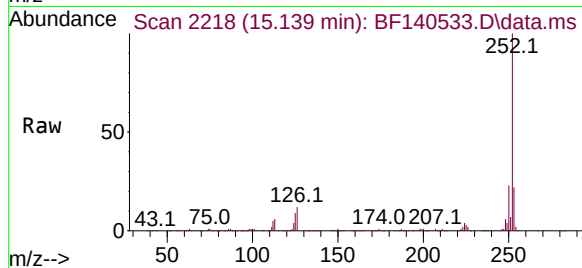
Tgt Ion:252 Resp: 559704

Ion Ratio Lower Upper

252 100

253 21.9 17.5 26.3

125 8.7 6.5 9.7



#90

Benzo(a)pyrene

Concen: 48.835 ng

RT: 15.486 min Scan# 2277

Delta R.T. 0.012 min

Lab File: BF140533.D

Acq: 21 Nov 2024 13:25

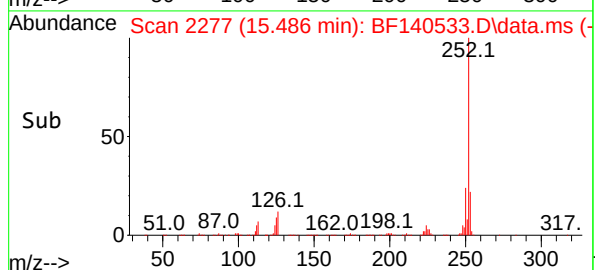
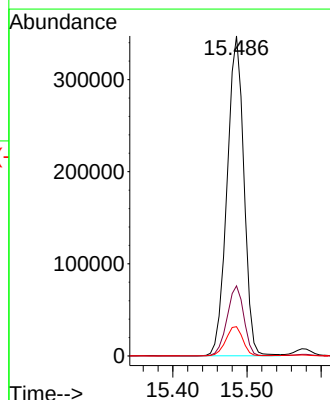
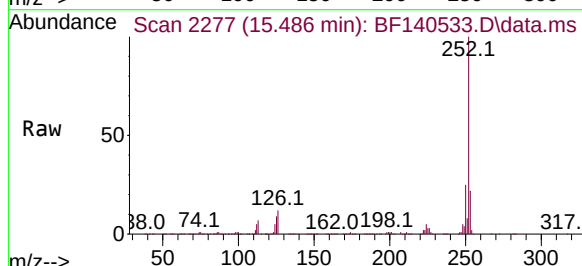
Tgt Ion:252 Resp: 546539

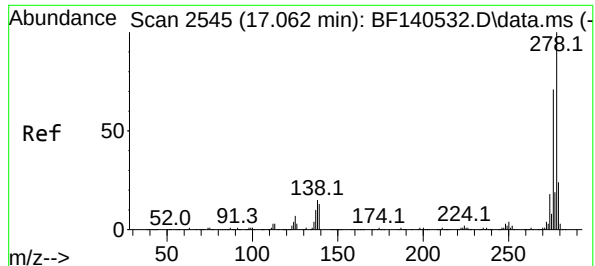
Ion Ratio Lower Upper

252 100

253 21.9 17.3 25.9

125 9.1 7.0 10.6

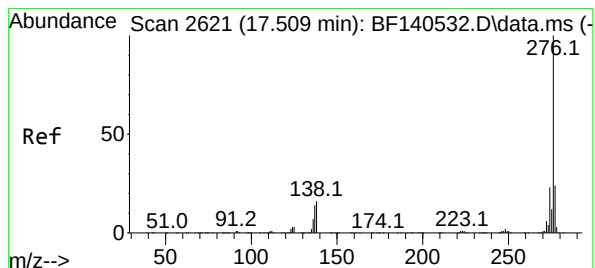
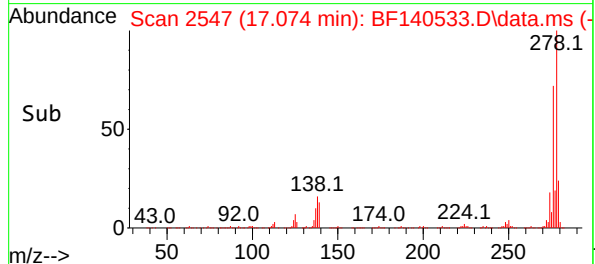
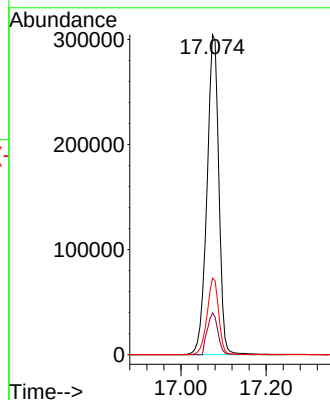
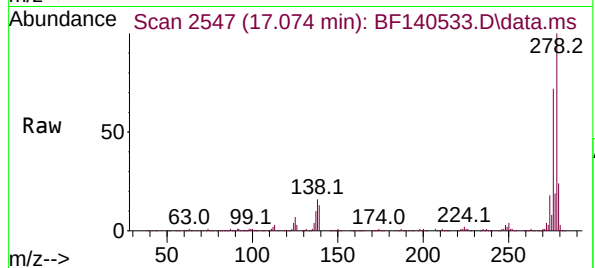




#91  
Dibenzo(a,h)anthracene  
Concen: 50.339 ng  
RT: 17.074 min Scan# 21  
Delta R.T. 0.012 min  
Lab File: BF140533.D  
Acq: 21 Nov 2024 13:25

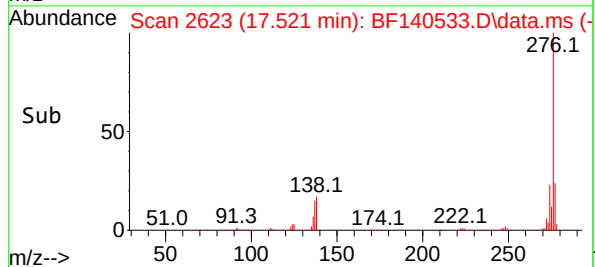
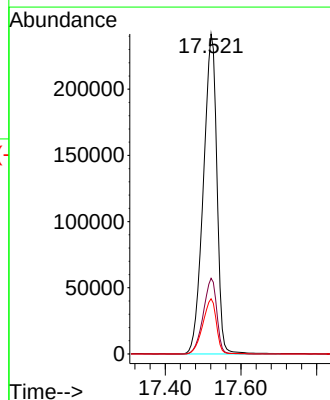
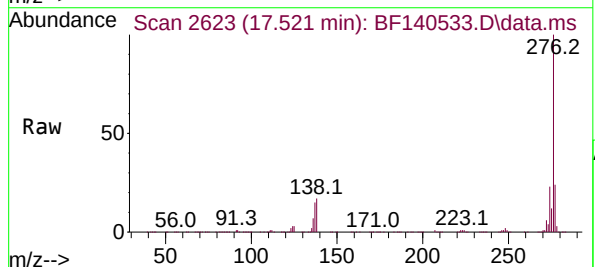
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC050

Tgt Ion:278 Resp: 588742  
Ion Ratio Lower Upper  
278 100  
139 13.0 10.2 15.4  
279 24.0 18.9 28.3



#92  
Benzo(g,h,i)perylene  
Concen: 50.203 ng  
RT: 17.521 min Scan# 2623  
Delta R.T. 0.012 min  
Lab File: BF140533.D  
Acq: 21 Nov 2024 13:25

Tgt Ion:276 Resp: 599158  
Ion Ratio Lower Upper  
276 100  
277 23.6 18.9 28.3  
138 17.2 13.2 19.8



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF112124\  
 Data File : BF140534.D  
 Acq On : 21 Nov 2024 13:51  
 Operator : RC/JU  
 Sample : SSTDICC060  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDICC060

Quant Time: Nov 21 15:14:21 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF112124.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Nov 21 14:50:10 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.875  | 152  | 126992   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.157  | 136  | 460987   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.916  | 164  | 252108   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.404 | 188  | 449876   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.051 | 240  | 226512   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.539 | 264  | 216239   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.504  | 112  | 858529   | 115.348 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.522  | 99   | 1119751  | 113.799 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.445  | 82   | 1043537  | 115.789 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.710 | 330  | 317506   | 117.756 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.233  | 172  | 1875064  | 110.815 | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.992 | 244  | 1783980  | 122.638 | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.651  | 88   | 172855   | 55.237  | ng    | 100      |
| 3) Pyridine                   | 3.422  | 79   | 414269   | 60.167  | ng    | 97       |
| 4) n-Nitrosodimethylamine     | 3.398  | 42   | 240667   | 59.472  | ng    | 99       |
| 6) Aniline                    | 6.545  | 93   | 388609   | 56.111  | ng    | # 75     |
| 8) 2-Chlorophenol             | 6.669  | 128  | 460365   | 57.492  | ng    | 99       |
| 9) Benzaldehyde               | 6.428  | 77   | 242020   | 46.462  | ng    | 98       |
| 10) Phenol                    | 6.539  | 94   | 567815   | 56.506  | ng    | 97       |
| 11) bis(2-Chloroethyl)ether   | 6.616  | 93   | 457231   | 59.461  | ng    | 99       |
| 12) 1,3-Dichlorobenzene       | 6.816  | 146  | 518683   | 57.647  | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 6.892  | 146  | 522883   | 57.394  | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 7.051  | 146  | 482402   | 56.509  | ng    | 99       |
| 15) Benzyl Alcohol            | 7.022  | 79   | 415427   | 56.931  | ng    | 99       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.151  | 45   | 524697   | 57.758  | ng    | 98       |
| 17) 2-Methylphenol            | 7.139  | 107  | 365400   | 57.006  | ng    | 97       |
| 18) Hexachloroethane          | 7.386  | 117  | 194336   | 57.114  | ng    | 100      |
| 19) n-Nitroso-di-n-propyla... | 7.298  | 70   | 326639   | 56.169  | ng    | 98       |
| 20) 3+4-Methylphenols         | 7.292  | 107  | 460654   | 55.912  | ng    | 95       |
| 22) Acetophenone              | 7.292  | 105  | 636564   | 56.641  | ng    | 98       |
| 24) Nitrobenzene              | 7.463  | 77   | 540526   | 58.030  | ng    | 100      |
| 25) Isophorone                | 7.698  | 82   | 876972   | 58.340  | ng    | 99       |
| 26) 2-Nitrophenol             | 7.775  | 139  | 249133   | 60.355  | ng    | 100      |
| 27) 2,4-Dimethylphenol        | 7.816  | 122  | 285825   | 57.873  | ng    | 98       |
| 28) bis(2-Chloroethoxy)met... | 7.904  | 93   | 531210   | 58.008  | ng    | 100      |
| 29) 2,4-Dichlorophenol        | 8.022  | 162  | 379082   | 57.925  | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 8.098  | 180  | 431792   | 57.787  | ng    | 100      |
| 31) Naphthalene               | 8.181  | 128  | 1359743  | 57.265  | ng    | 99       |
| 32) Benzoic acid              | 7.969  | 122  | 265434   | 59.698  | ng    | 99       |
| 33) 4-Chloroaniline           | 8.233  | 127  | 425356   | 59.831  | ng    | 99       |
| 34) Hexachlorobutadiene       | 8.292  | 225  | 286614   | 57.911  | ng    | 98       |
| 35) Caprolactam               | 8.622  | 113  | 117351   | 57.943  | ng    | 99       |
| 36) 4-Chloro-3-methylphenol   | 8.722  | 107  | 424528   | 57.938  | ng    | 99       |
| 37) 2-Methylnaphthalene       | 8.869  | 142  | 857509   | 56.857  | ng    | 100      |
| 38) 1-Methylnaphthalene       | 8.969  | 142  | 841528   | 56.925  | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 9.033  | 216  | 427164   | 57.878  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 9.016  | 237  | 97536    | 60.727  | ng    | 98       |
| 43) 2,4,6-Trichlorophenol     | 9.151  | 196  | 272399   | 58.819  | ng    | 100      |

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 Data File : BF140534.D  
 Acq On : 21 Nov 2024 13:51  
 Operator : RC/JU  
 Sample : SSTDICC060  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDICC060

Quant Time: Nov 21 15:14:21 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF112124.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Nov 21 14:50:10 2024  
 Response via : Initial Calibration

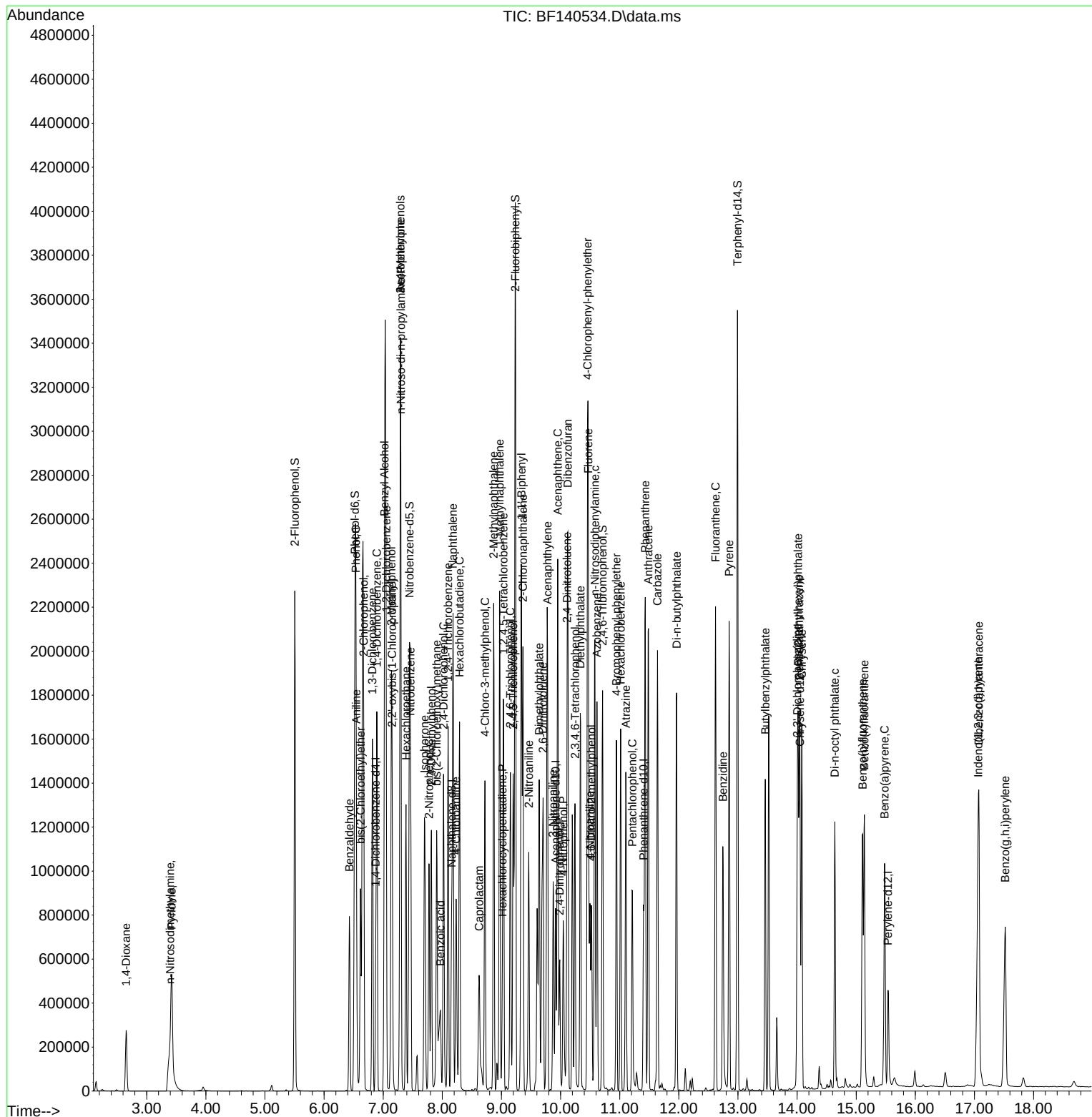
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.198  | 196  | 300029   | 59.694  | ng    | 98       |
| 46) 1,1'-Biphenyl             | 9.339  | 154  | 1072474  | 56.978  | ng    | 99       |
| 47) 2-Chloronaphthalene       | 9.363  | 162  | 819966   | 57.492  | ng    | 99       |
| 48) 2-Nitroaniline            | 9.463  | 65   | 269813   | 58.938  | ng    | 96       |
| 49) Acenaphthylene            | 9.780  | 152  | 1227568  | 56.965  | ng    | 99       |
| 50) Dimethylphthalate         | 9.639  | 163  | 960589   | 57.854  | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 9.704  | 165  | 221428   | 58.802  | ng    | 99       |
| 52) Acenaphthene              | 9.951  | 154  | 784102   | 56.194  | ng    | 100      |
| 53) 3-Nitroaniline            | 9.875  | 138  | 212165   | 57.607  | ng    | 99       |
| 54) 2,4-Dinitrophenol         | 9.986  | 184  | 113495   | 60.328  | ng    | 97       |
| 55) Dibenzofuran              | 10.122 | 168  | 1158263  | 55.459  | ng    | 98       |
| 56) 4-Nitrophenol             | 10.045 | 139  | 161782   | 64.410  | ng    | 96       |
| 57) 2,4-Dinitrotoluene        | 10.110 | 165  | 293950   | 58.735  | ng    | 98       |
| 58) Fluorene                  | 10.469 | 166  | 925678   | 55.218  | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.245 | 232  | 230786   | 59.746  | ng    | 97       |
| 60) Diethylphthalate          | 10.333 | 149  | 959366   | 56.869  | ng    | 100      |
| 61) 4-Chlorophenyl-phenyle... | 10.457 | 204  | 457757   | 55.641  | ng    | 99       |
| 62) 4-Nitroaniline            | 10.498 | 138  | 233877   | 60.547  | ng    | 98       |
| 63) Azobenzene                | 10.616 | 77   | 912145   | 57.097  | ng    | 99       |
| 65) 4,6-Dinitro-2-methylph... | 10.522 | 198  | 158199   | 68.815  | ng    | 98       |
| 66) n-Nitrosodiphenylamine    | 10.580 | 169  | 783428   | 58.887  | ng    | 100      |
| 67) 4-Bromophenyl-phenylether | 10.945 | 248  | 276260   | 59.628  | ng    | 98       |
| 68) Hexachlorobenzene         | 11.016 | 284  | 317935   | 59.265  | ng    | 99       |
| 69) Atrazine                  | 11.104 | 200  | 264529   | 70.679  | ng    | 100      |
| 70) Pentachlorophenol         | 11.216 | 266  | 162925   | 69.004  | ng    | 99       |
| 71) Phenanthrene              | 11.433 | 178  | 1236004  | 57.156  | ng    | 100      |
| 72) Anthracene                | 11.486 | 178  | 1220392  | 57.692  | ng    | 99       |
| 73) Carbazole                 | 11.639 | 167  | 1163411  | 57.171  | ng    | 99       |
| 74) Di-n-butylphthalate       | 11.963 | 149  | 1359134  | 57.851  | ng    | 100      |
| 75) Fluoranthene              | 12.621 | 202  | 1298953  | 55.323  | ng    | 99       |
| 77) Benzidine                 | 12.745 | 184  | 696576   | 105.771 | ng    | 100      |
| 78) Pyrene                    | 12.851 | 202  | 1289961  | 61.591  | ng    | 100      |
| 80) Butylbenzylphthalate      | 13.463 | 149  | 458296   | 60.743  | ng    | 98       |
| 81) Benzo(a)anthracene        | 14.039 | 228  | 909243   | 60.640  | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine    | 14.004 | 252  | 284725   | 63.247  | ng    | 99       |
| 83) Chrysene                  | 14.080 | 228  | 797151   | 58.142  | ng    | 100      |
| 84) Bis(2-ethylhexyl)phtha... | 14.015 | 149  | 571450   | 59.983  | ng    | 100      |
| 85) Di-n-octyl phthalate      | 14.639 | 149  | 794359   | 61.012  | ng    | 100      |
| 87) Indeno(1,2,3-cd)pyrene    | 17.062 | 276  | 914265   | 64.878  | ng    | 98       |
| 88) Benzo(b)fluoranthene      | 15.109 | 252  | 782997   | 57.648  | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 15.139 | 252  | 684548   | 57.594  | ng    | 100      |
| 90) Benzo(a)pyrene            | 15.480 | 252  | 657502   | 59.538  | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 17.074 | 278  | 745614   | 64.606  | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 17.521 | 276  | 753452   | 63.978  | ng    | 98       |

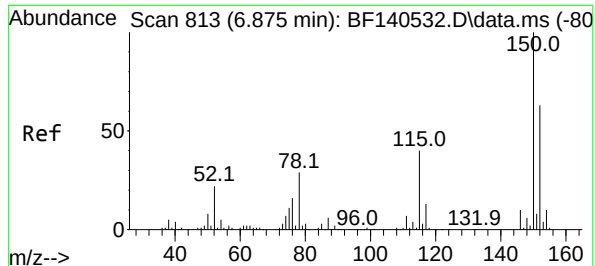
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF112124\  
Data File : BF140534.D  
Acq On : 21 Nov 2024 13:51  
Operator : RC/JU  
Sample : SSTDICC060  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC060

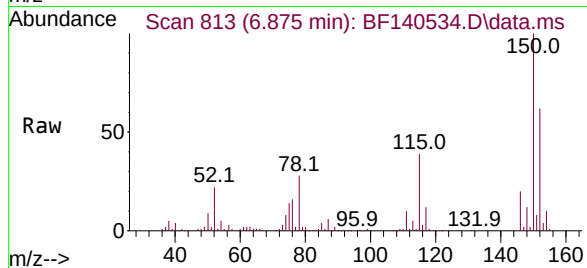
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Nov 21 14:50:10 2024  
Response via : Initial Calibration



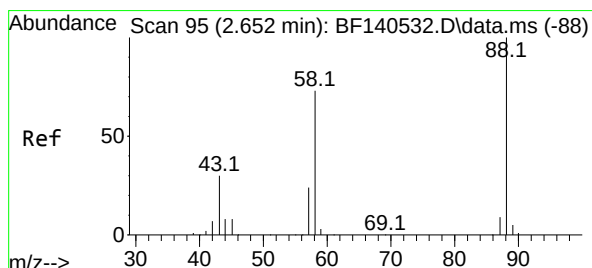
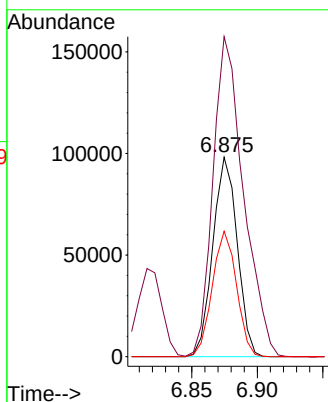
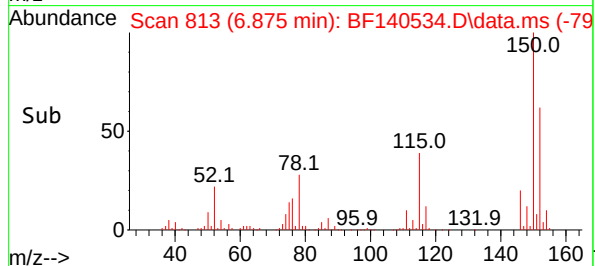


#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.875 min Scan# 81  
Delta R.T. -0.000 min  
Lab File: BF140534.D  
Acq: 21 Nov 2024 13:51

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC060

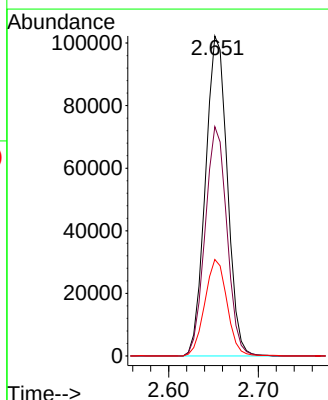
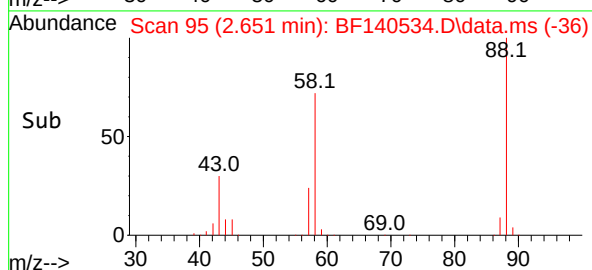
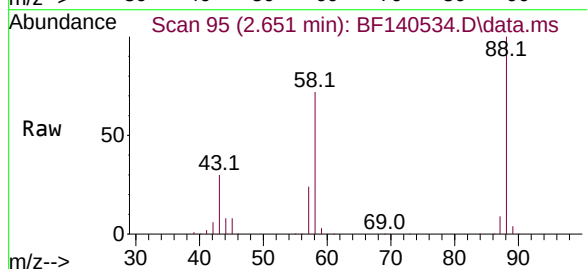


Tgt Ion:152 Resp: 126992  
Ion Ratio Lower Upper  
152 100  
150 160.5 128.5 192.7  
115 62.9 50.2 75.4

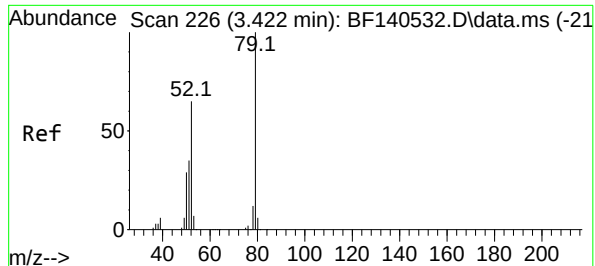


#2  
1,4-Dioxane  
Concen: 55.237 ng  
RT: 2.651 min Scan# 95  
Delta R.T. -0.000 min  
Lab File: BF140534.D  
Acq: 21 Nov 2024 13:51

Tgt Ion: 88 Resp: 172855  
Ion Ratio Lower Upper  
88 100  
58 71.5 57.4 86.2  
43 30.7 24.3 36.5







#3

Pyridine

Concen: 60.167 ng

RT: 3.422 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF140534.D

Acq: 21 Nov 2024 13:51

Instrument :

BNA\_F

ClientSampleId :

SSTDICC060

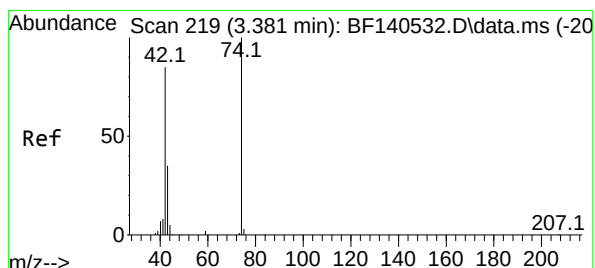
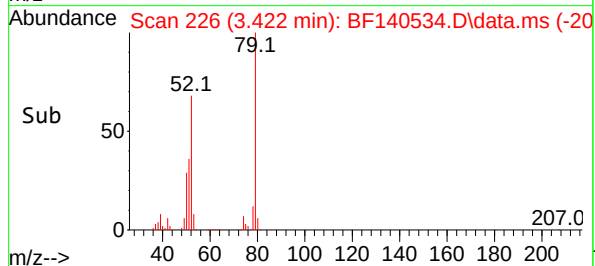
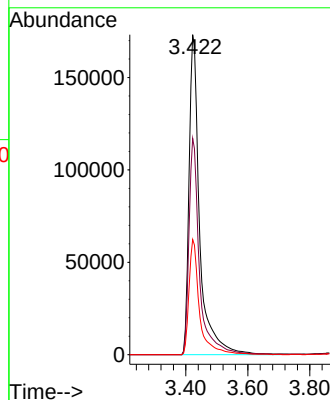
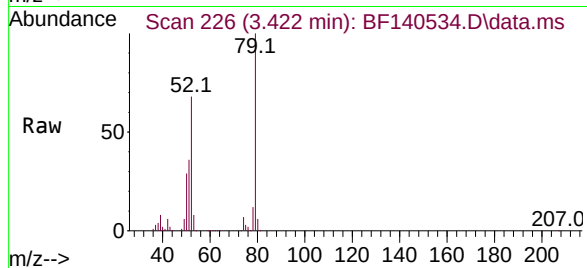
Tgt Ion: 79 Resp: 414269

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

|    |     |  |  |
|----|-----|--|--|
| 79 | 100 |  |  |
|----|-----|--|--|

|    |      |      |      |
|----|------|------|------|
| 52 | 67.6 | 52.1 | 78.1 |
|----|------|------|------|

|    |      |      |      |
|----|------|------|------|
| 51 | 36.0 | 27.8 | 41.8 |
|----|------|------|------|



#4

n-Nitrosodimethylamine

Concen: 59.472 ng

RT: 3.398 min Scan# 222

Delta R.T. 0.018 min

Lab File: BF140534.D

Acq: 21 Nov 2024 13:51

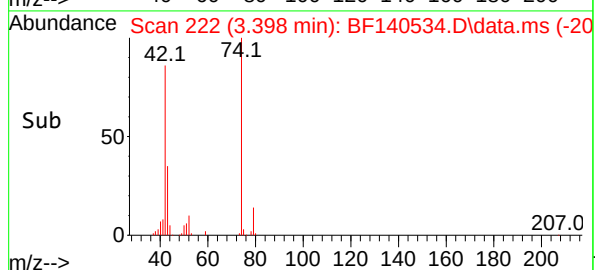
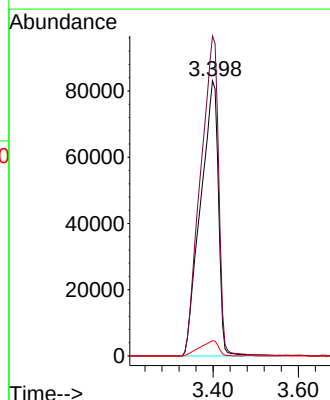
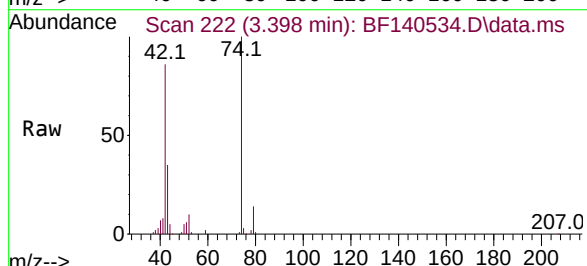
Tgt Ion: 42 Resp: 240667

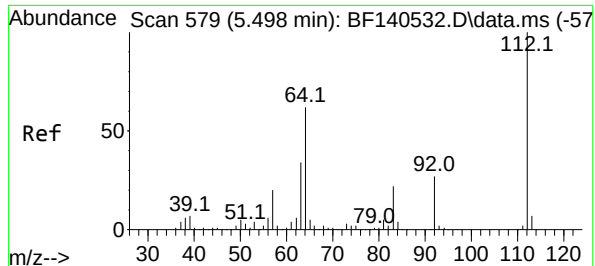
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
|-----|-------|-------|-------|

|    |     |  |  |
|----|-----|--|--|
| 42 | 100 |  |  |
|----|-----|--|--|

|    |       |      |       |
|----|-------|------|-------|
| 74 | 116.3 | 93.8 | 140.6 |
|----|-------|------|-------|

|    |     |     |     |
|----|-----|-----|-----|
| 44 | 5.6 | 4.6 | 6.8 |
|----|-----|-----|-----|

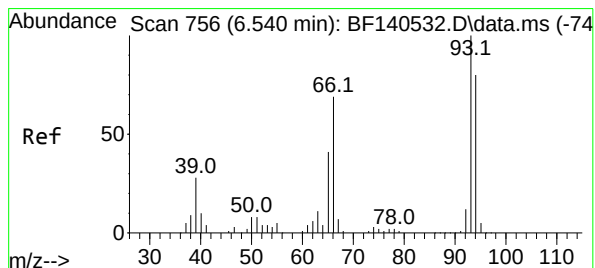
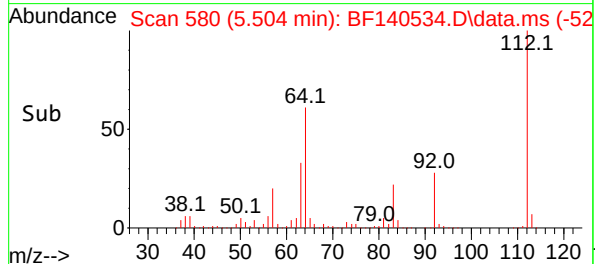
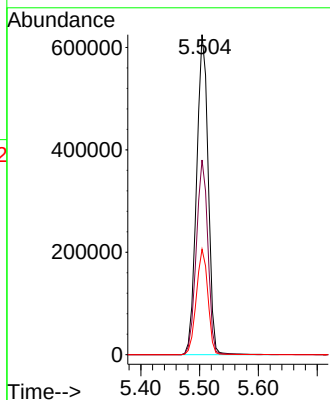
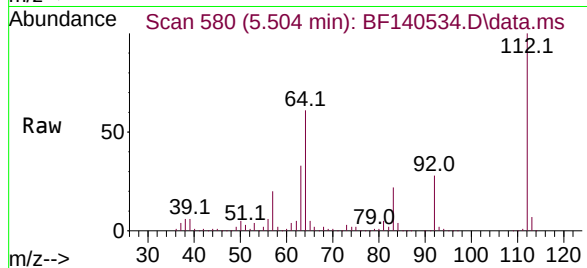




#5  
2-Fluorophenol  
Concen: 115.348 ng  
RT: 5.504 min Scan# 51  
Delta R.T. 0.006 min  
Lab File: BF140534.D  
Acq: 21 Nov 2024 13:51

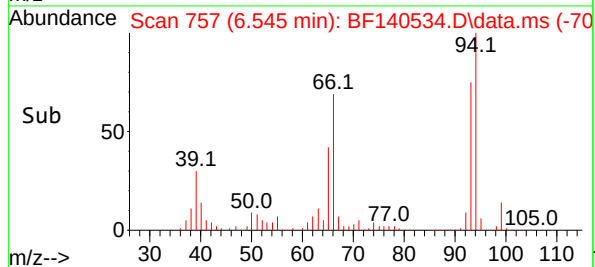
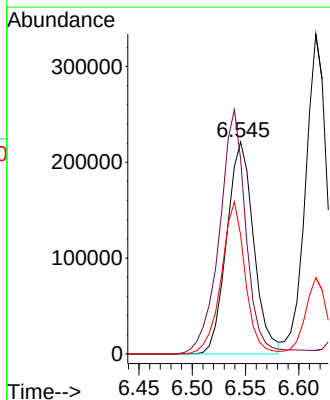
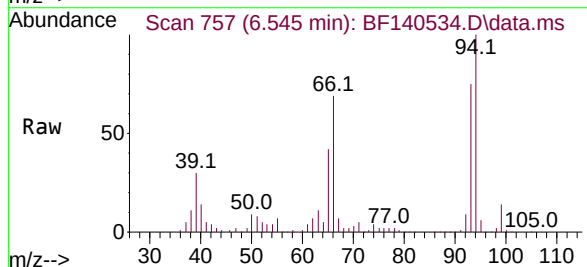
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC060

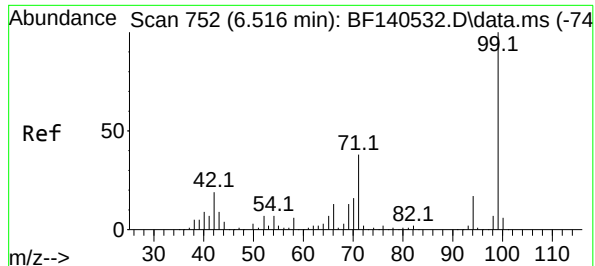
Tgt Ion:112 Resp: 858529  
Ion Ratio Lower Upper  
112 100  
64 60.9 49.2 73.8  
63 32.9 27.0 40.4



#6  
Aniline  
Concen: 56.111 ng  
RT: 6.545 min Scan# 757  
Delta R.T. 0.006 min  
Lab File: BF140534.D  
Acq: 21 Nov 2024 13:51

Tgt Ion: 93 Resp: 388609  
Ion Ratio Lower Upper  
93 100  
66 92.0 56.5 84.7#  
65 56.2 32.9 49.3#





#7

Phenol-d6

Concen: 113.799 ng

RT: 6.522 min Scan# 711

Delta R.T. 0.006 min

Lab File: BF140534.D

Acq: 21 Nov 2024 13:51

Instrument :

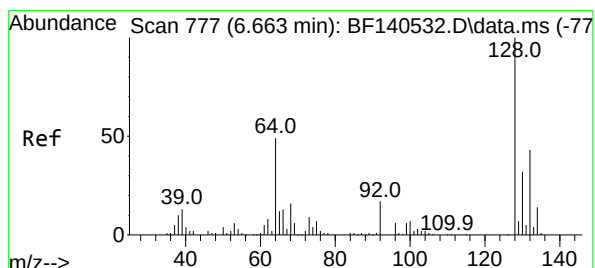
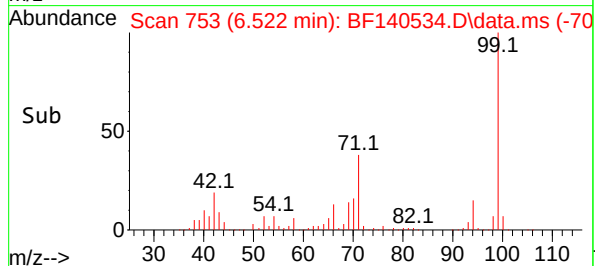
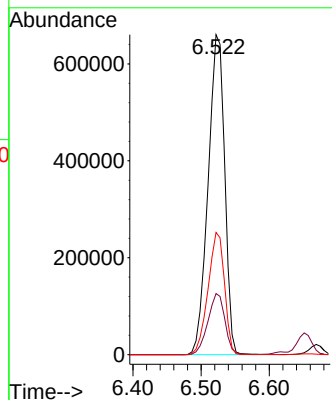
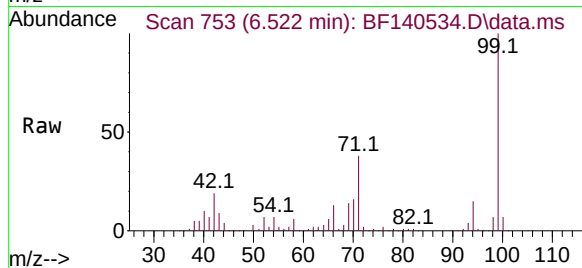
BNA\_F

ClientSampleId :

SSTDICC060

Tgt Ion: 99 Resp: 1119751

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 19.1  | 15.4  | 23.0  |
| 71  | 38.2  | 30.6  | 46.0  |



#8

2-Chlorophenol

Concen: 57.492 ng

RT: 6.669 min Scan# 778

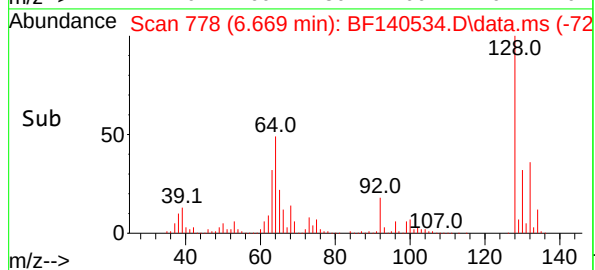
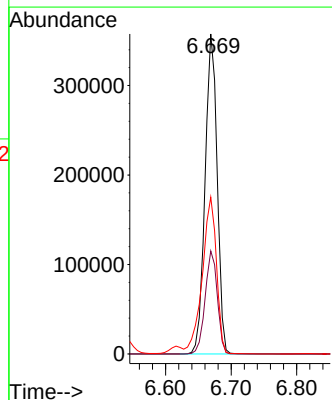
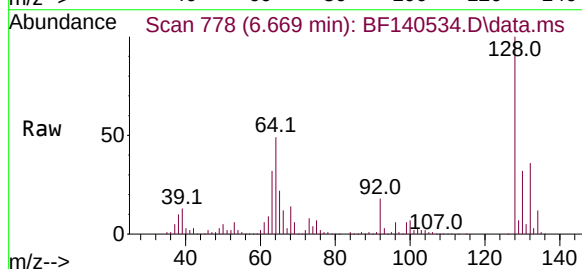
Delta R.T. 0.006 min

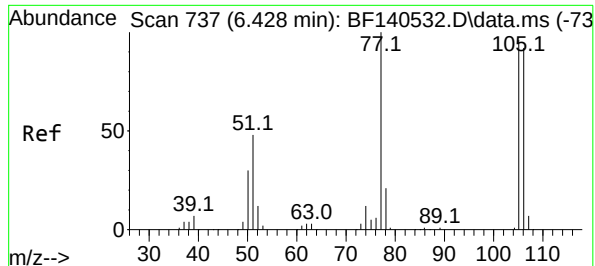
Lab File: BF140534.D

Acq: 21 Nov 2024 13:51

Tgt Ion:128 Resp: 460365

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 130 | 32.2  | 12.3  | 52.3  |
| 64  | 49.0  | 30.2  | 70.2  |





#9

Benzaldehyde

Concen: 46.462 ng

RT: 6.428 min Scan# 71

Delta R.T. -0.000 min

Lab File: BF140534.D

Acq: 21 Nov 2024 13:51

Instrument :

BNA\_F

ClientSampleId :

SSTDICC060

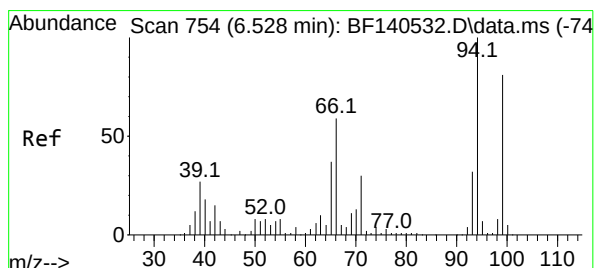
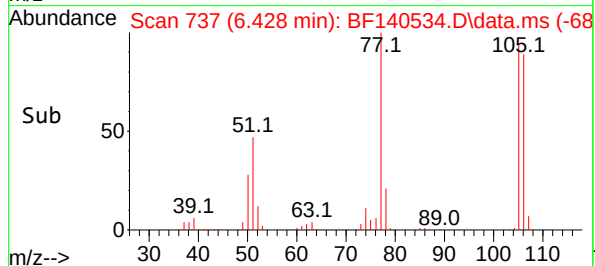
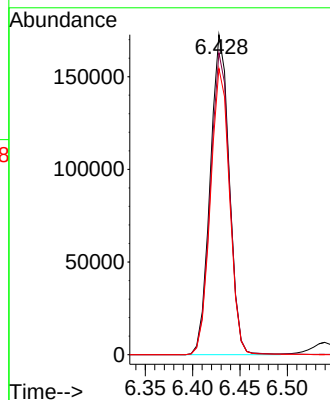
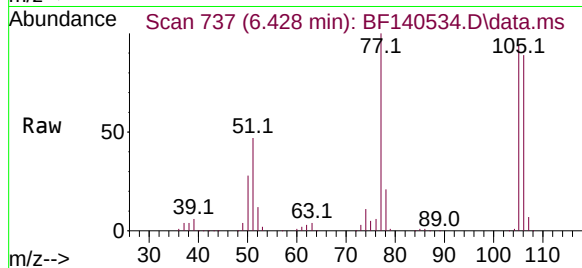
Tgt Ion: 77 Resp: 242020

Ion Ratio Lower Upper

77 100

105 94.3 75.6 115.6

106 89.4 72.0 112.0



#10

Phenol

Concen: 56.506 ng

RT: 6.539 min Scan# 756

Delta R.T. 0.012 min

Lab File: BF140534.D

Acq: 21 Nov 2024 13:51

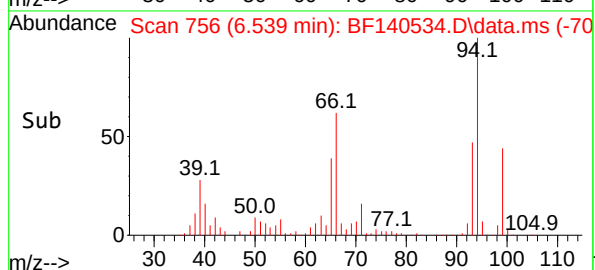
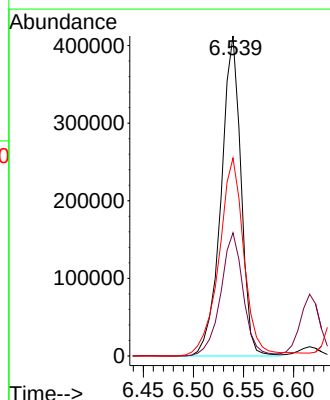
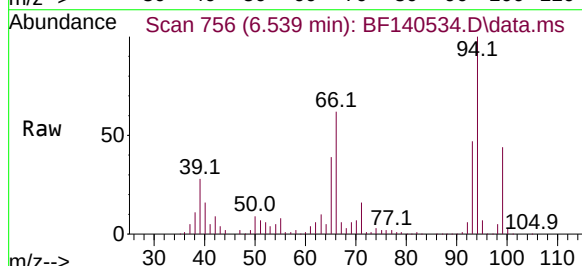
Tgt Ion: 94 Resp: 567815

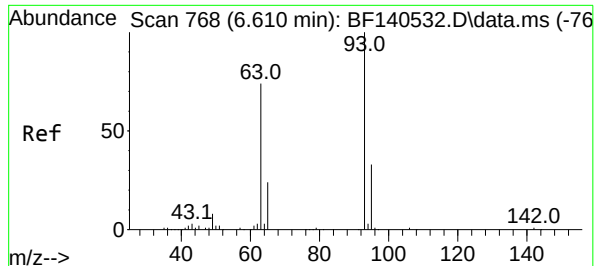
Ion Ratio Lower Upper

94 100

65 38.5 17.2 57.2

66 61.8 39.2 79.2





#11

bis(2-Chloroethyl)ether

Concen: 59.461 ng

RT: 6.616 min Scan# 768

Delta R.T. 0.006 min

Lab File: BF140534.D

Acq: 21 Nov 2024 13:51

Instrument :

BNA\_F

ClientSampleId :

SSTDICC060

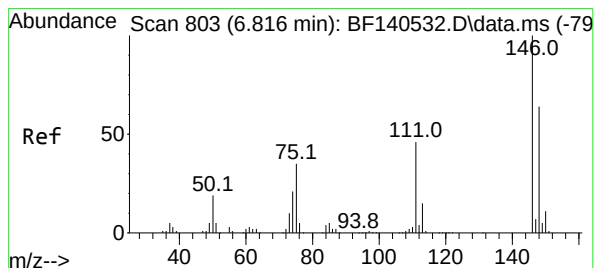
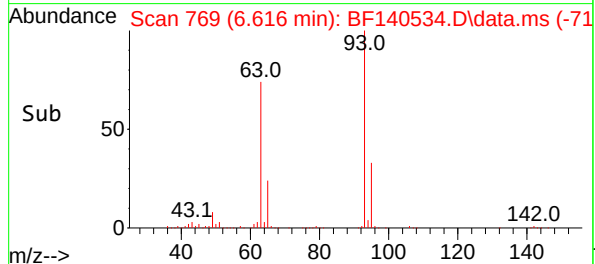
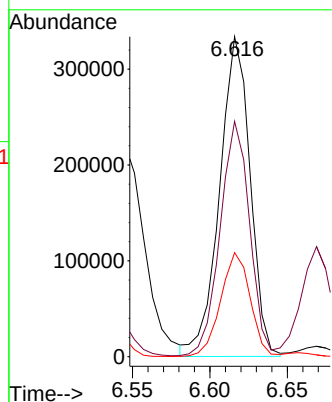
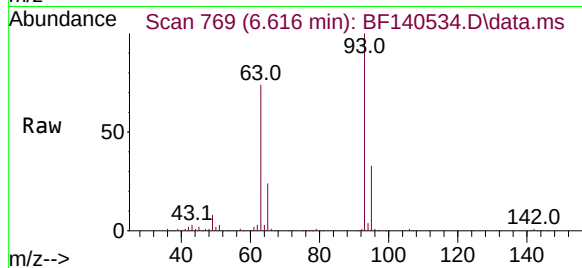
Tgt Ion: 93 Resp: 457231

Ion Ratio Lower Upper

93 100

63 73.6 52.8 92.8

95 32.5 12.3 52.3



#12

1,3-Dichlorobenzene

Concen: 57.647 ng

RT: 6.816 min Scan# 803

Delta R.T. -0.000 min

Lab File: BF140534.D

Acq: 21 Nov 2024 13:51

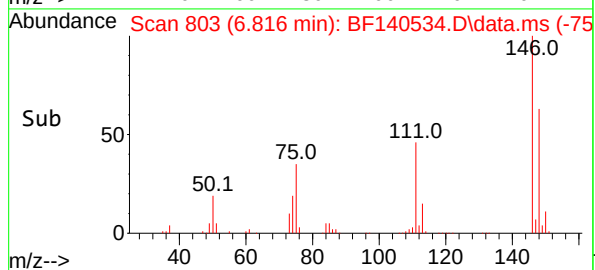
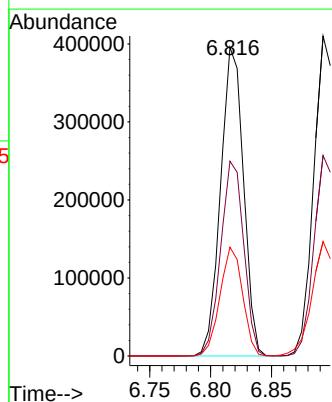
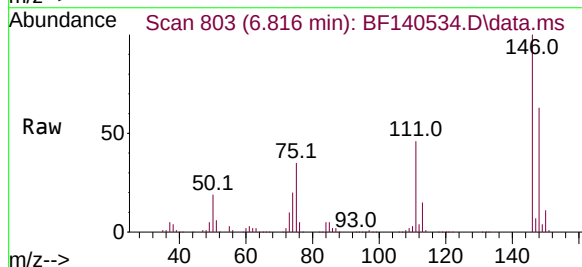
Tgt Ion:146 Resp: 518683

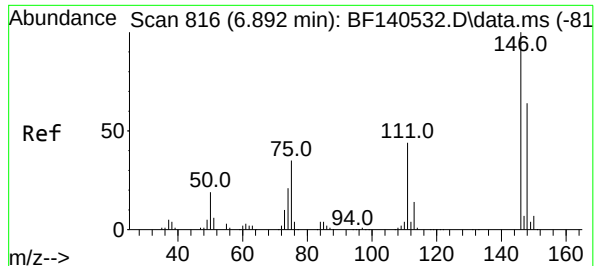
Ion Ratio Lower Upper

146 100

148 63.1 51.3 76.9

75 35.3 28.2 42.2





#13

1,4-Dichlorobenzene

Concen: 57.394 ng

RT: 6.892 min Scan# 81

Delta R.T. -0.000 min

Lab File: BF140534.D

Acq: 21 Nov 2024 13:51

Instrument :

BNA\_F

ClientSampleId :

SSTDICC060

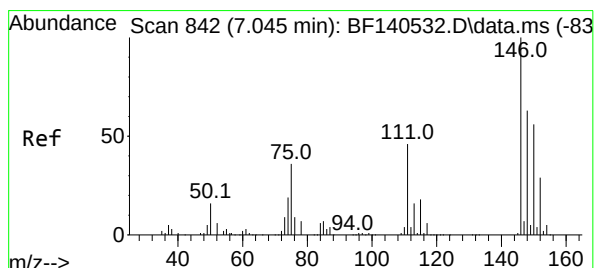
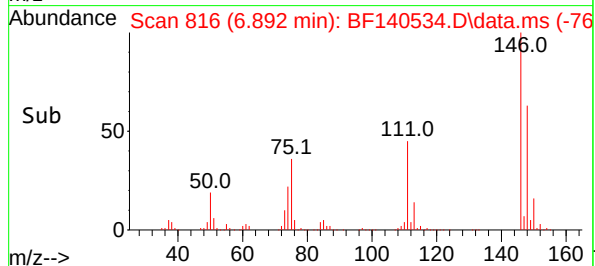
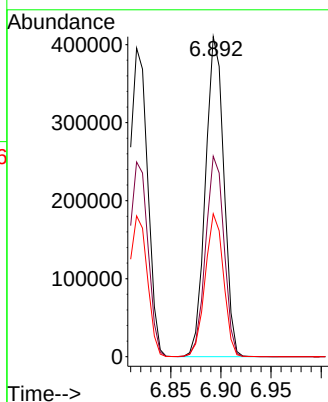
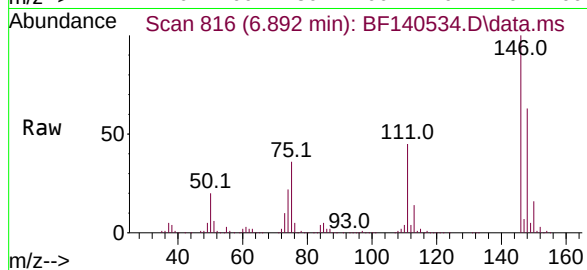
Tgt Ion:146 Resp: 522883

Ion Ratio Lower Upper

146 100

148 62.7 51.0 76.6

111 44.6 35.3 52.9



#14

1,2-Dichlorobenzene

Concen: 56.509 ng

RT: 7.051 min Scan# 843

Delta R.T. 0.006 min

Lab File: BF140534.D

Acq: 21 Nov 2024 13:51

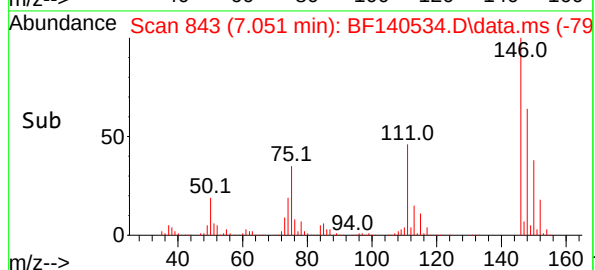
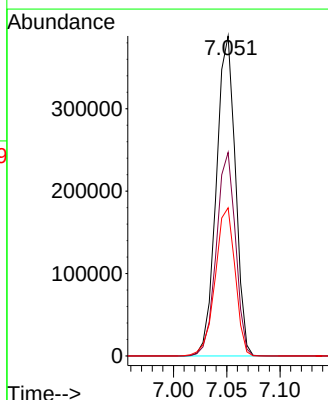
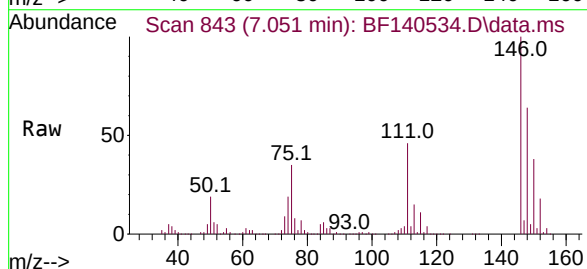
Tgt Ion:146 Resp: 482402

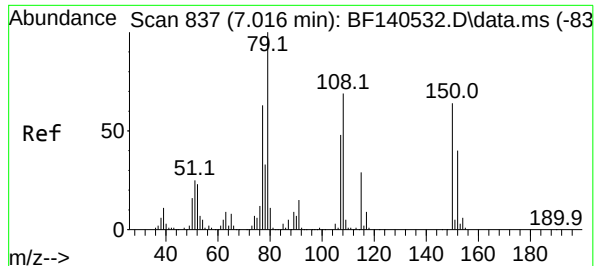
Ion Ratio Lower Upper

146 100

148 63.6 50.5 75.7

111 46.3 36.7 55.1





#15

Benzyl Alcohol

Concen: 56.931 ng

RT: 7.022 min Scan# 81

Delta R.T. 0.006 min

Lab File: BF140534.D

Acq: 21 Nov 2024 13:51

Instrument :

BNA\_F

ClientSampleId :

SSTDICC060

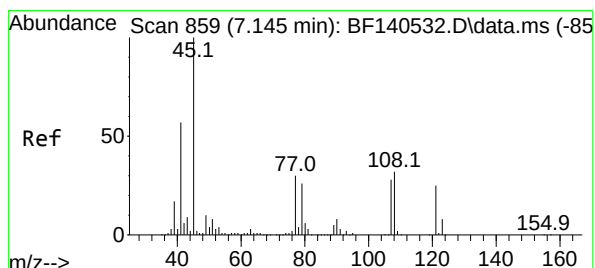
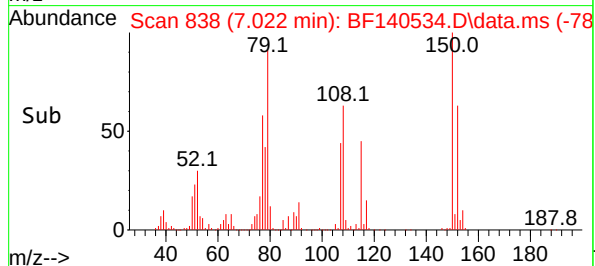
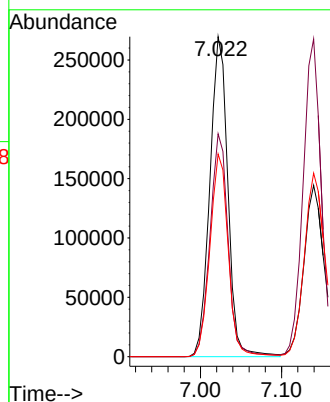
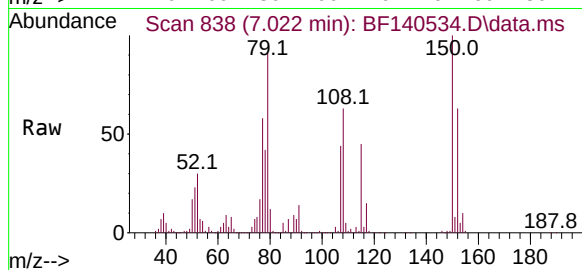
Tgt Ion: 79 Resp: 415427

Ion Ratio Lower Upper

79 100

108 69.7 55.0 82.6

77 63.3 50.1 75.1



#16

2,2'-oxybis(1-Chloropropane)

Concen: 57.758 ng

RT: 7.151 min Scan# 860

Delta R.T. 0.006 min

Lab File: BF140534.D

Acq: 21 Nov 2024 13:51

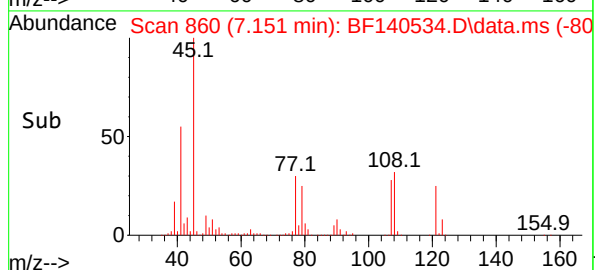
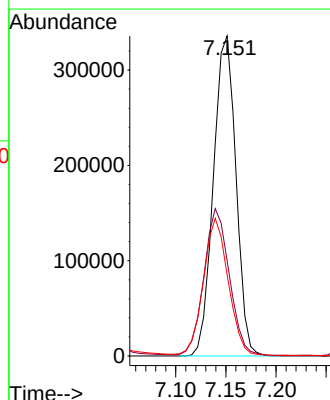
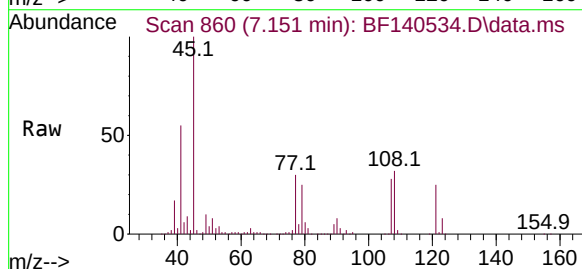
Tgt Ion: 45 Resp: 524697

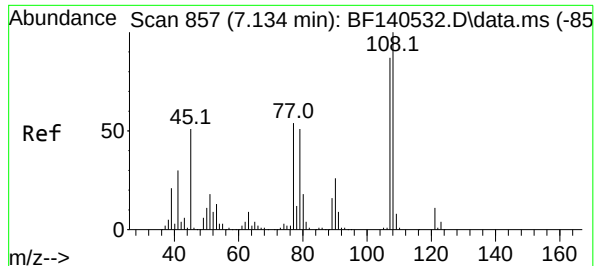
Ion Ratio Lower Upper

45 100

77 29.9 10.7 50.7

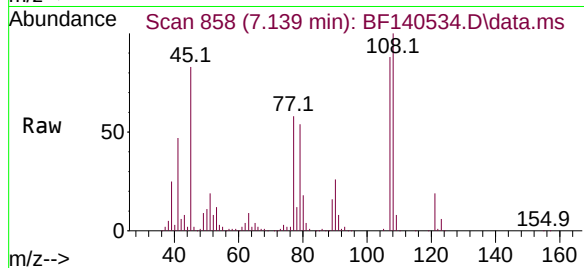
79 25.4 7.0 47.0



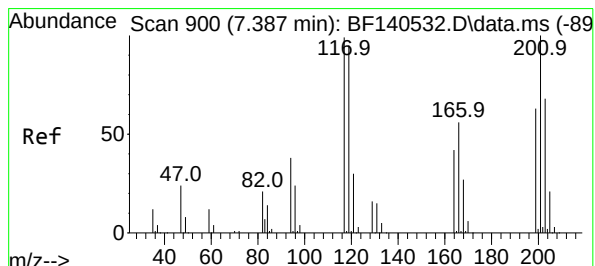
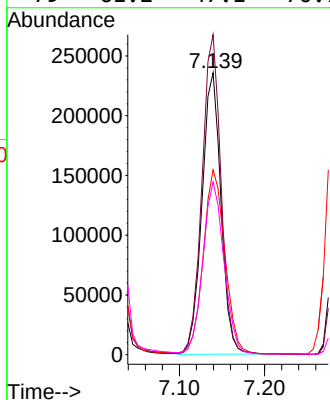
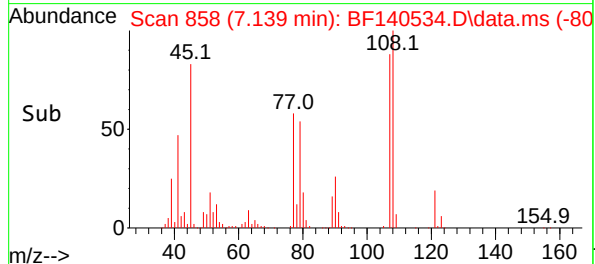


#17  
2-Methylphenol  
Concen: 57.006 ng  
RT: 7.139 min Scan# 857  
Delta R.T. 0.006 min  
Lab File: BF140534.D  
Acq: 21 Nov 2024 13:51

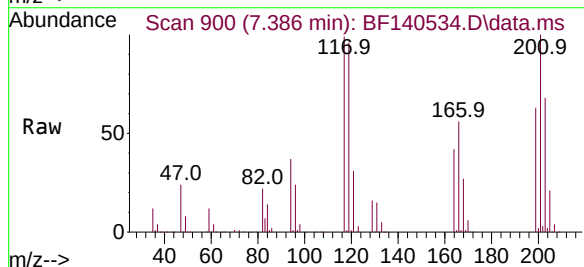
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC060



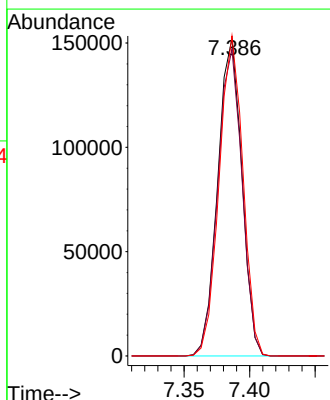
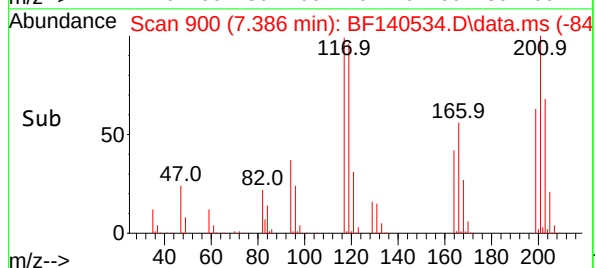
Tgt Ion:107 Resp: 365400  
Ion Ratio Lower Upper  
107 100  
108 113.5 91.7 137.5  
77 65.5 49.3 73.9  
79 61.2 47.1 70.7



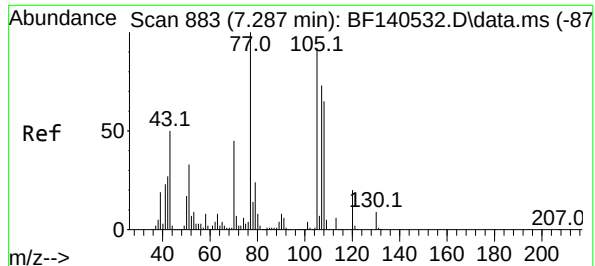
#18  
Hexachloroethane  
Concen: 57.114 ng  
RT: 7.386 min Scan# 900  
Delta R.T. -0.000 min  
Lab File: BF140534.D  
Acq: 21 Nov 2024 13:51



Tgt Ion:117 Resp: 194336  
Ion Ratio Lower Upper  
117 100  
119 96.6 77.1 115.7  
201 100.8 81.1 121.7







#19

n-Nitroso-di-n-propylamine

Concen: 56.169 ng

RT: 7.298 min Scan# 885

Delta R.T. 0.012 min

Lab File: BF140534.D

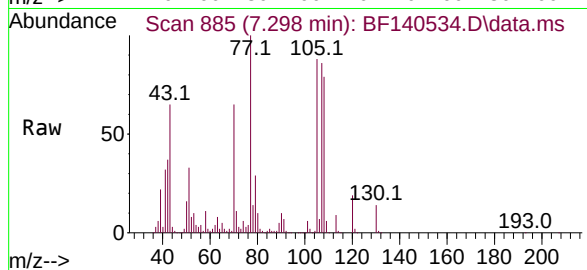
Acq: 21 Nov 2024 13:51

Instrument :

BNA\_F

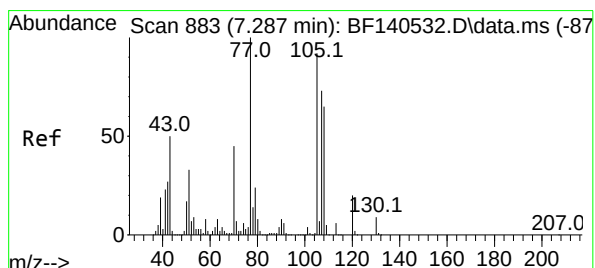
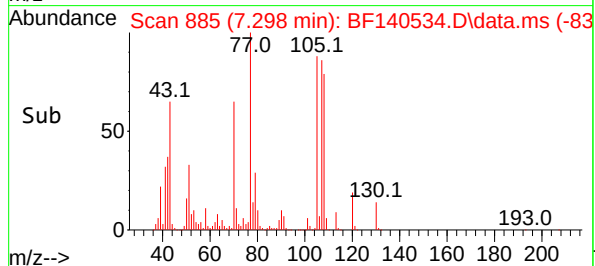
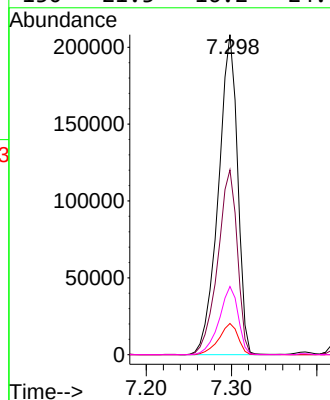
ClientSampleId :

SSTDICC060



Tgt Ion: 70 Resp: 326639

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 70  | 100   |       |       |
| 42  | 57.7  | 47.6  | 71.4  |
| 101 | 9.8   | 7.6   | 11.4  |
| 130 | 21.3  | 16.2  | 24.4  |



#20

3+4-Methylphenols

Concen: 55.912 ng

RT: 7.292 min Scan# 884

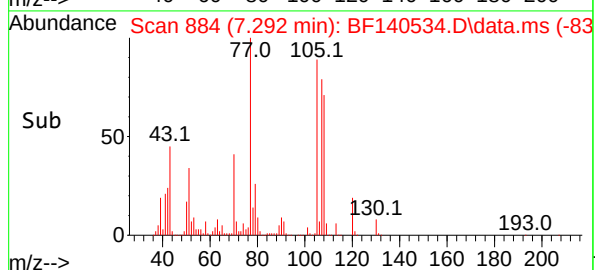
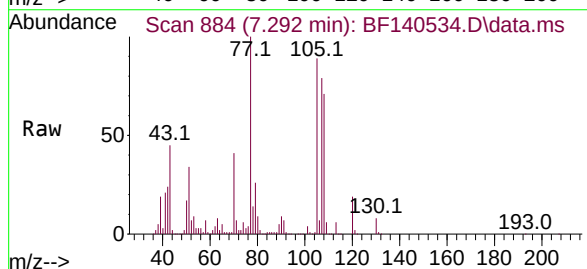
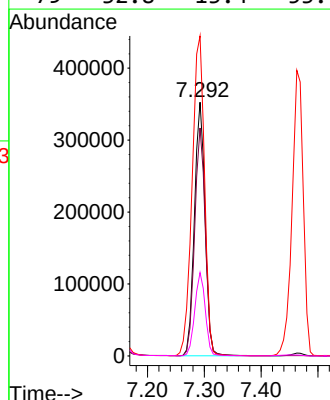
Delta R.T. 0.006 min

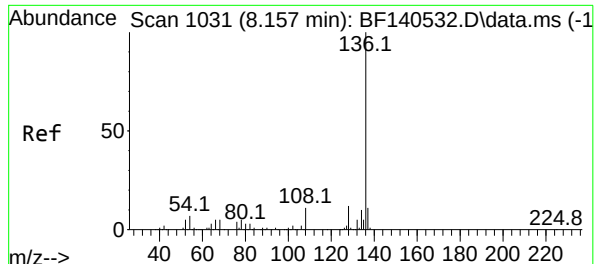
Lab File: BF140534.D

Acq: 21 Nov 2024 13:51

Tgt Ion: 107 Resp: 460654

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 107 | 100   |       |       |
| 108 | 89.8  | 69.9  | 109.9 |
| 77  | 126.1 | 117.7 | 157.7 |
| 79  | 32.8  | 13.4  | 53.4  |



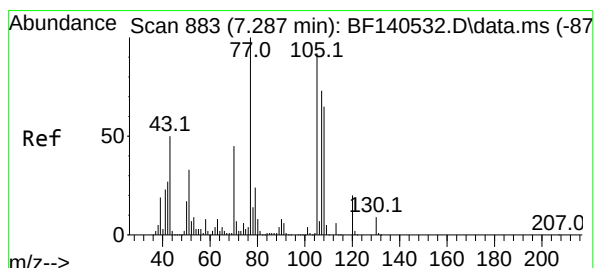
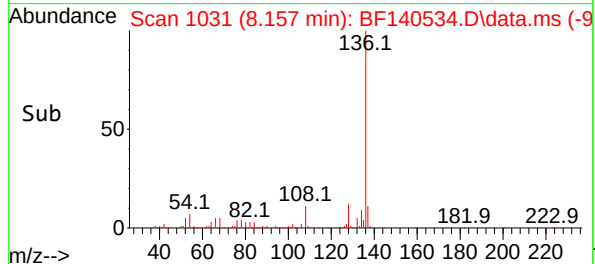
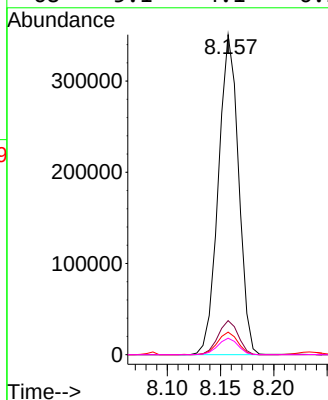
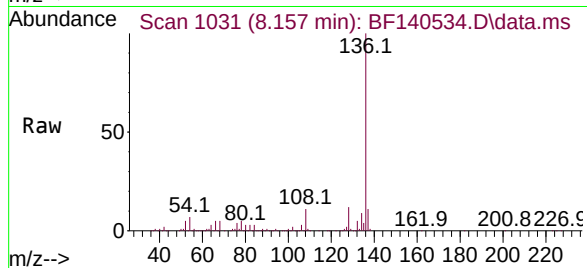


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.157 min Scan# 1031  
Delta R.T. -0.000 min  
Lab File: BF140534.D  
Acq: 21 Nov 2024 13:51

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC060

Tgt Ion:136 Resp: 460987

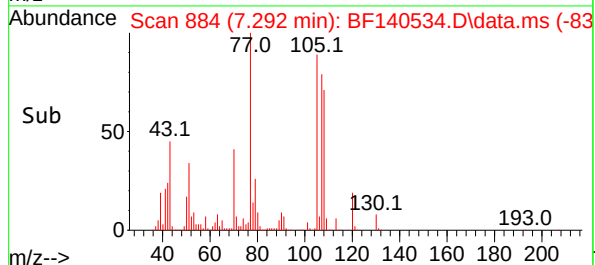
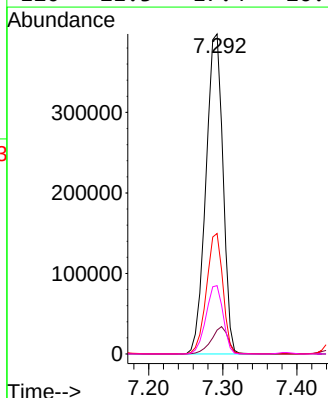
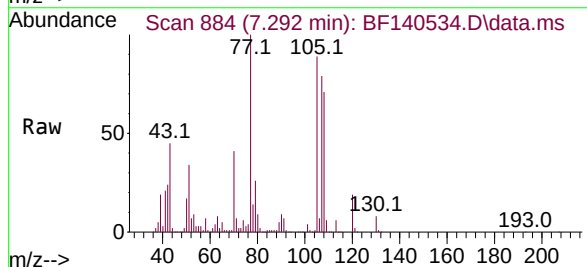
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 10.6  | 8.6   | 13.0  |
| 54  | 7.0   | 5.8   | 8.8   |
| 68  | 5.1   | 4.1   | 6.1   |

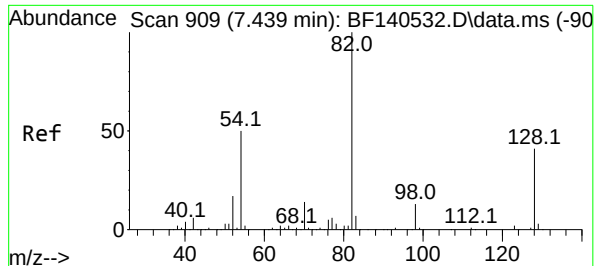


#22  
Acetophenone  
Concen: 56.641 ng  
RT: 7.292 min Scan# 884  
Delta R.T. 0.006 min  
Lab File: BF140534.D  
Acq: 21 Nov 2024 13:51

Tgt Ion:105 Resp: 636564

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 105 | 100   |       |       |
| 71  | 7.4   | 6.2   | 9.2   |
| 51  | 37.6  | 29.0  | 43.6  |
| 120 | 21.3  | 17.4  | 26.0  |





#23

Nitrobenzene-d5

Concen: 115.789 ng

RT: 7.445 min Scan# 910

Delta R.T. 0.006 min

Lab File: BF140534.D

Acq: 21 Nov 2024 13:51

Instrument :

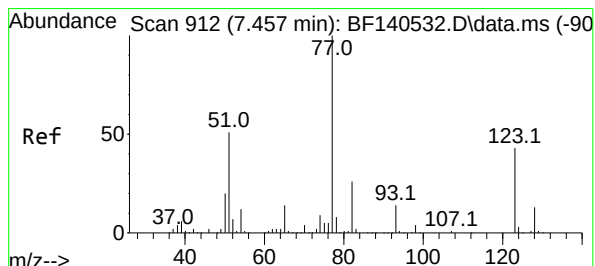
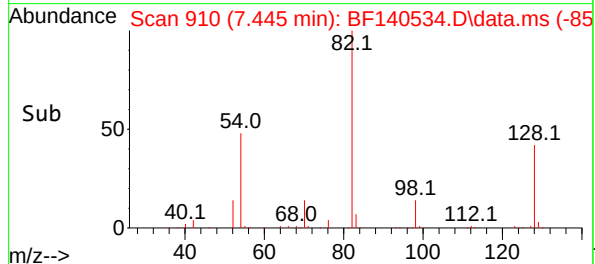
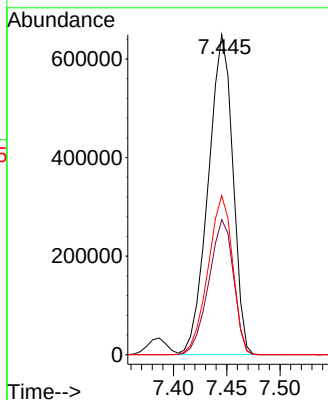
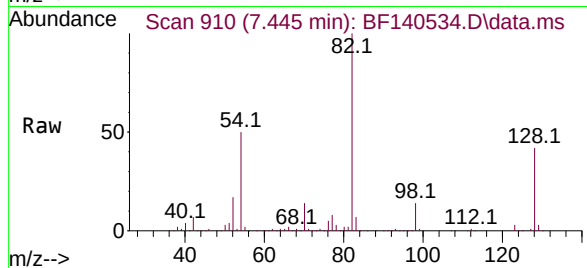
BNA\_F

ClientSampleId :

SSTDICC060

Tgt Ion: 82 Resp: 1043537

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 42.2  | 33.0  | 49.4  |
| 54  | 49.7  | 39.5  | 59.3  |



#24

Nitrobenzene

Concen: 58.030 ng

RT: 7.463 min Scan# 913

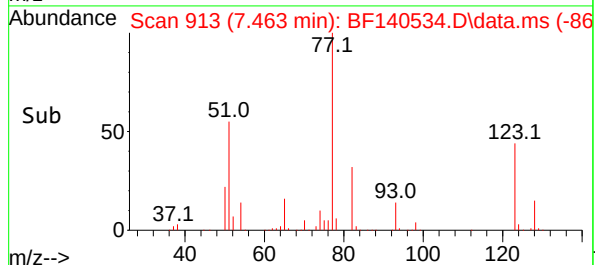
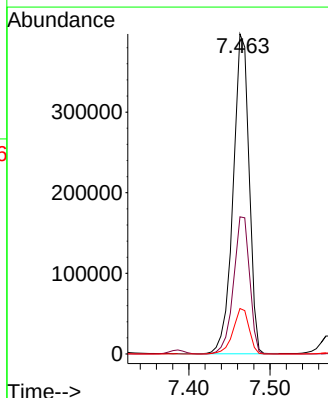
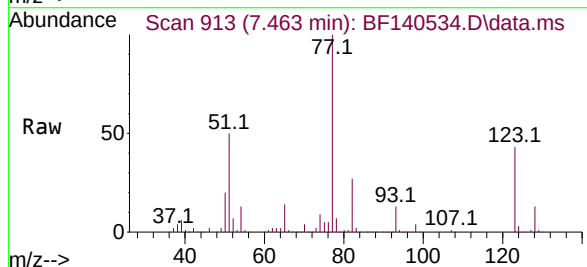
Delta R.T. 0.006 min

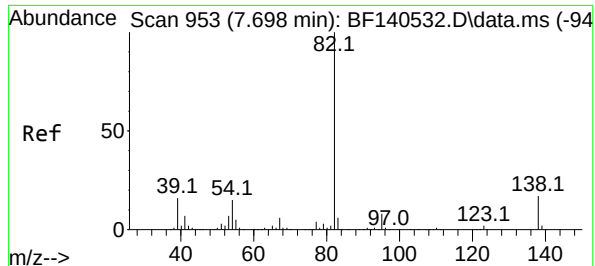
Lab File: BF140534.D

Acq: 21 Nov 2024 13:51

Tgt Ion: 77 Resp: 540526

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 77  | 100   |       |       |
| 123 | 42.9  | 34.3  | 51.5  |
| 65  | 14.2  | 11.2  | 16.8  |

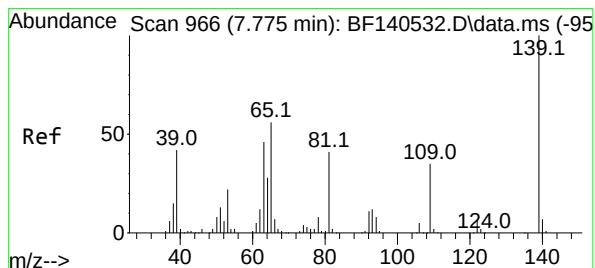
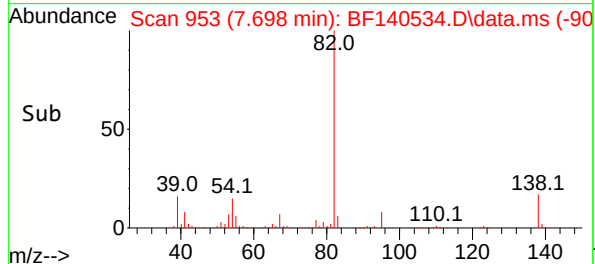
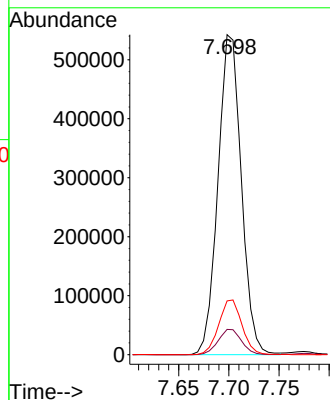
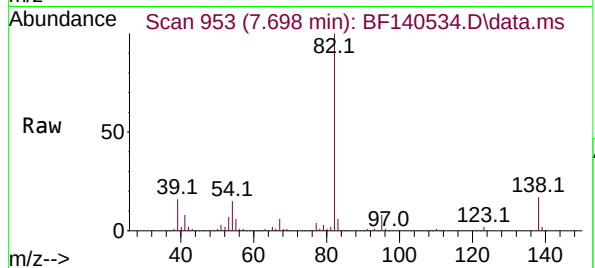




#25  
Isophorone  
Concen: 58.340 ng  
RT: 7.698 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: BF140534.D  
Acq: 21 Nov 2024 13:51

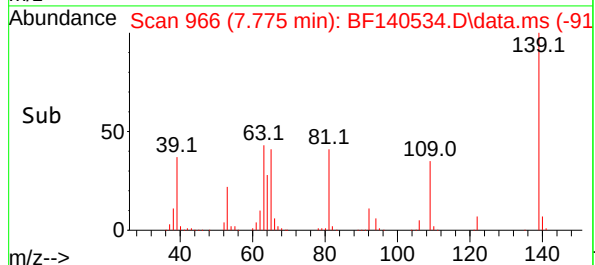
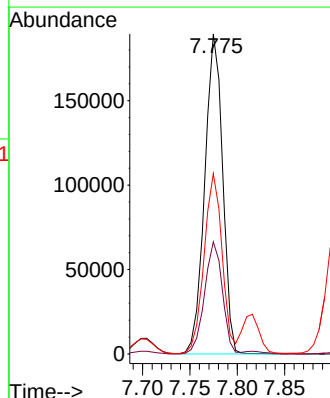
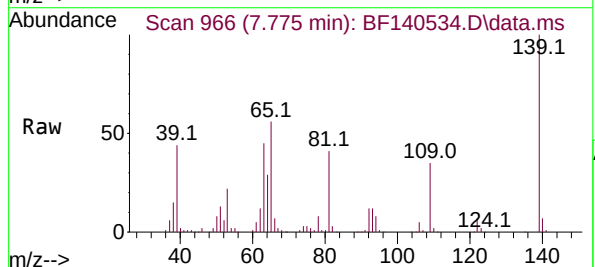
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC060

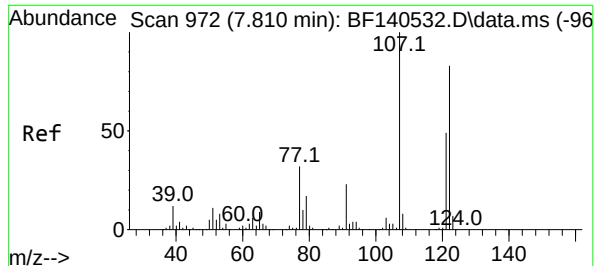
Tgt Ion: 82 Resp: 876972  
Ion Ratio Lower Upper  
82 100  
95 7.9 6.4 9.6  
138 16.8 13.8 20.6



#26  
2-Nitrophenol  
Concen: 60.355 ng  
RT: 7.775 min Scan# 966  
Delta R.T. -0.000 min  
Lab File: BF140534.D  
Acq: 21 Nov 2024 13:51

Tgt Ion: 139 Resp: 249133  
Ion Ratio Lower Upper  
139 100  
109 35.0 28.0 42.0  
65 56.4 44.6 67.0





#27

2,4-Dimethylphenol

Concen: 57.873 ng

RT: 7.816 min Scan# 91

Delta R.T. 0.006 min

Lab File: BF140534.D

Acq: 21 Nov 2024 13:51

Instrument :

BNA\_F

ClientSampleId :

SSTDICC060

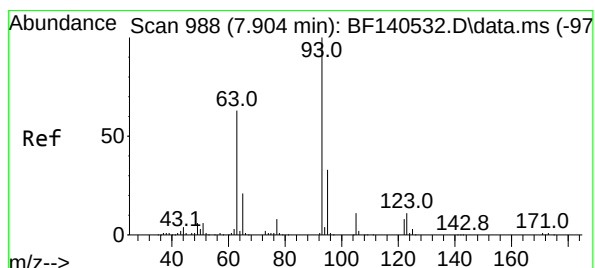
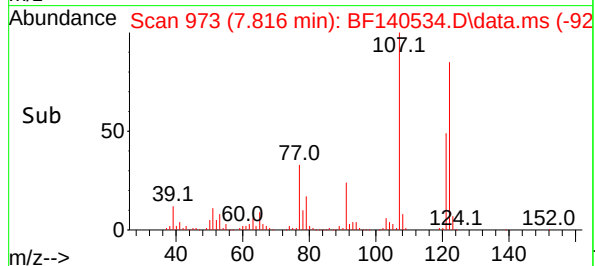
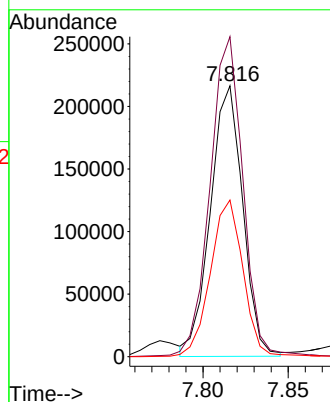
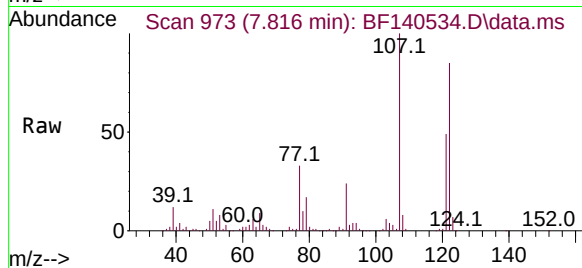
Tgt Ion:122 Resp: 285825

Ion Ratio Lower Upper

122 100

107 118.1 96.8 145.2

121 57.8 47.4 71.0



#28

bis(2-Chloroethoxy)methane

Concen: 58.008 ng

RT: 7.904 min Scan# 988

Delta R.T. -0.000 min

Lab File: BF140534.D

Acq: 21 Nov 2024 13:51

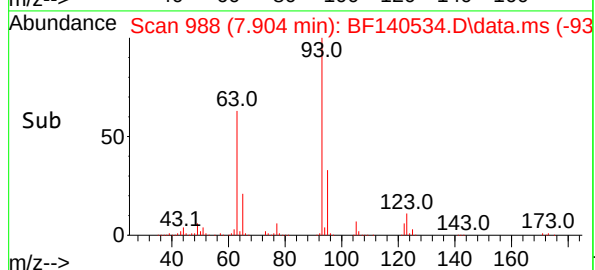
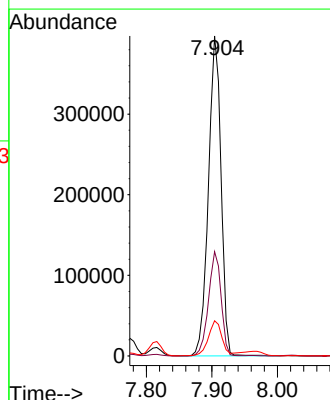
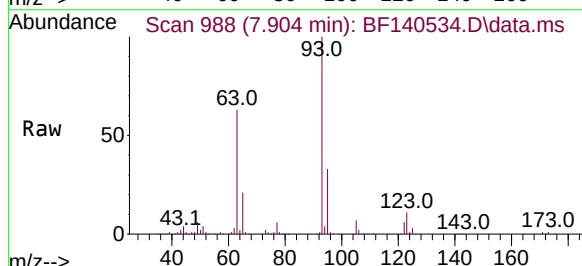
Tgt Ion: 93 Resp: 531210

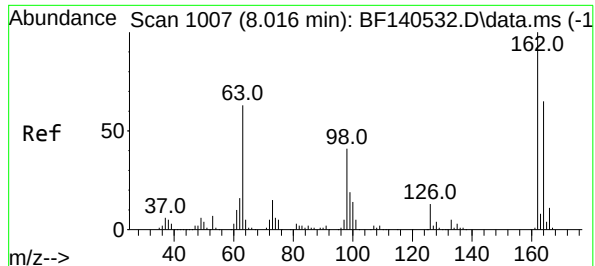
Ion Ratio Lower Upper

93 100

95 32.6 26.1 39.1

123 11.0 9.1 13.7





#29

2,4-Dichlorophenol

Concen: 57.925 ng

RT: 8.022 min Scan# 1008

Delta R.T. 0.006 min

Lab File: BF140534.D

Acq: 21 Nov 2024 13:51

Instrument :

BNA\_F

ClientSampleId :

SSTDICC060

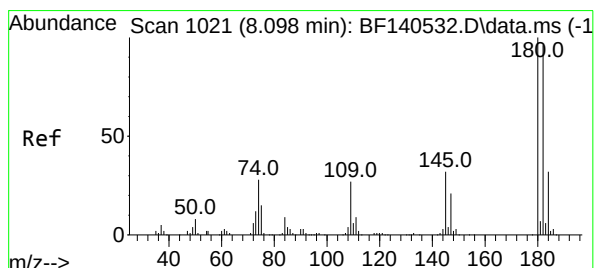
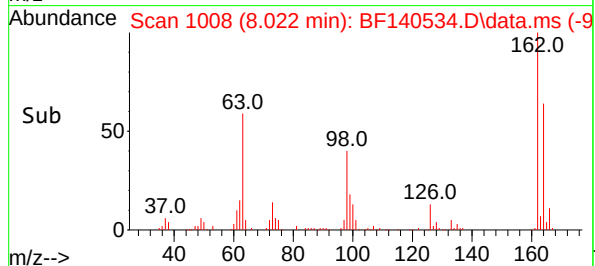
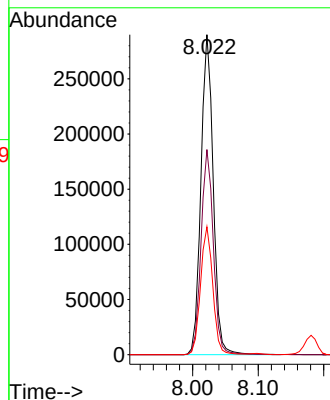
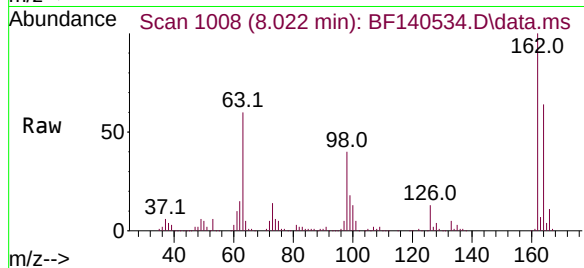
Tgt Ion:162 Resp: 379082

Ion Ratio Lower Upper

162 100

164 64.1 44.8 84.8

98 39.9 21.2 61.2



#30

1,2,4-Trichlorobenzene

Concen: 57.787 ng

RT: 8.098 min Scan# 1021

Delta R.T. -0.000 min

Lab File: BF140534.D

Acq: 21 Nov 2024 13:51

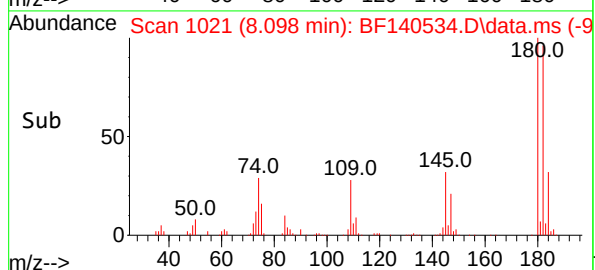
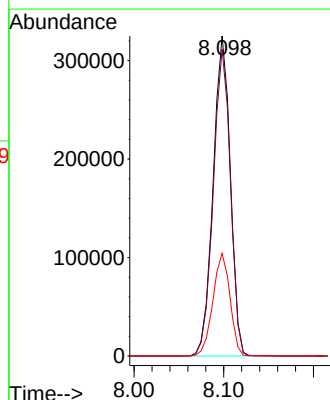
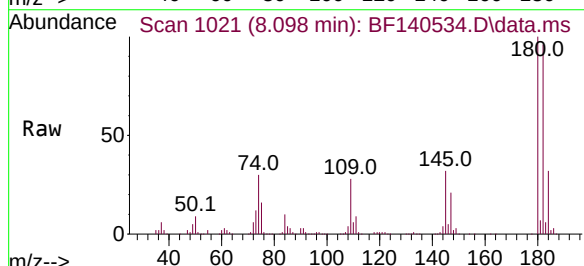
Tgt Ion:180 Resp: 431792

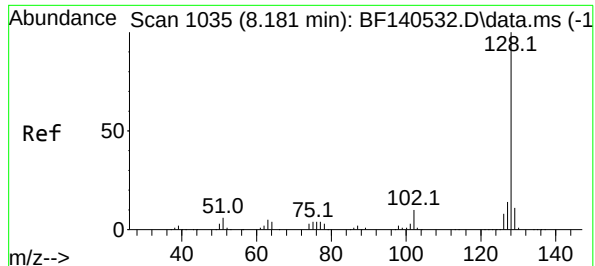
Ion Ratio Lower Upper

180 100

182 95.9 76.4 114.6

145 32.1 25.9 38.9





#31

Naphthalene

Concen: 57.265 ng

RT: 8.181 min Scan# 1035

Delta R.T. -0.000 min

Lab File: BF140534.D

Acq: 21 Nov 2024 13:51

Instrument :

BNA\_F

ClientSampleId :

SSTDICC060

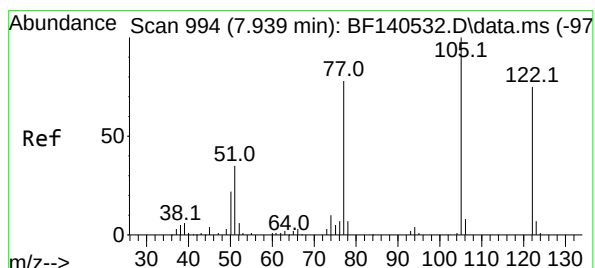
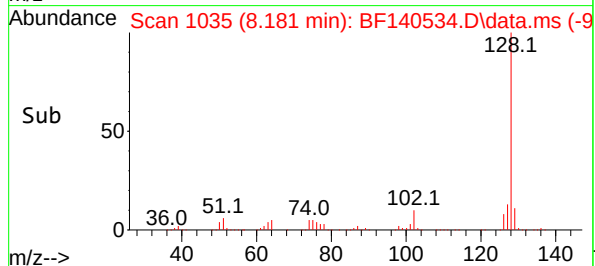
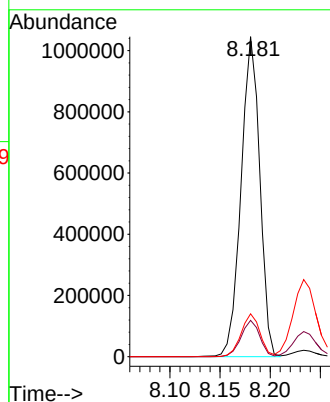
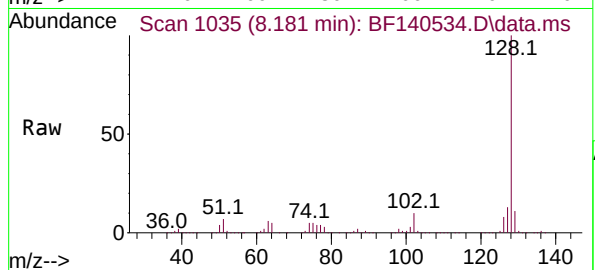
Tgt Ion:128 Resp: 1359743

Ion Ratio Lower Upper

128 100

129 11.4 8.6 13.0

127 13.4 10.8 16.2



#32

Benzoic acid

Concen: 59.698 ng

RT: 7.969 min Scan# 999

Delta R.T. 0.030 min

Lab File: BF140534.D

Acq: 21 Nov 2024 13:51

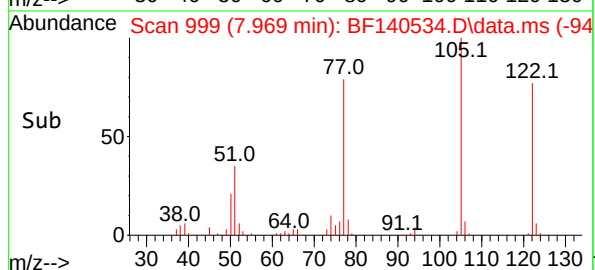
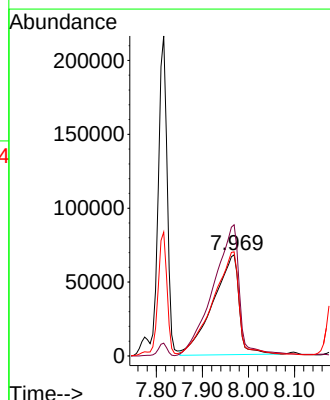
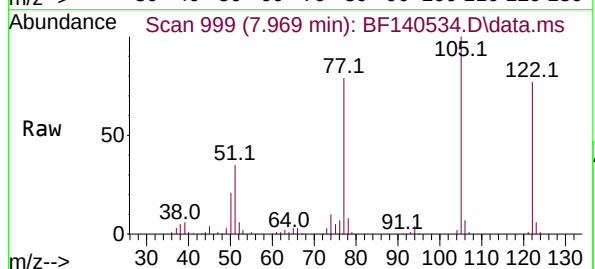
Tgt Ion:122 Resp: 265434

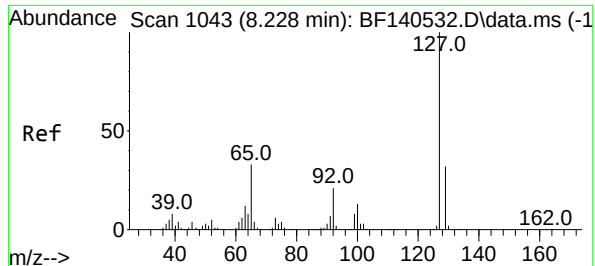
Ion Ratio Lower Upper

122 100

105 129.8 109.3 149.3

77 103.0 82.3 122.3





#33

4-Chloroaniline

Concen: 59.831 ng

RT: 8.233 min Scan# 1044

Delta R.T. 0.006 min

Lab File: BF140534.D

Acq: 21 Nov 2024 13:51

Instrument :

BNA\_F

ClientSampleId :

SSTDICC060

Tgt Ion:127 Resp: 425356

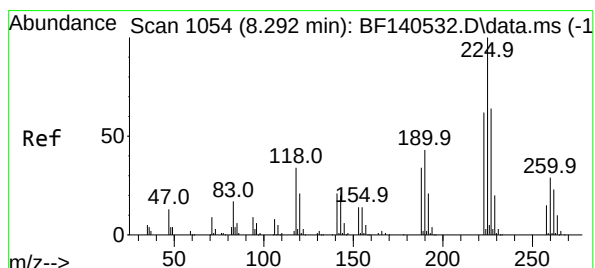
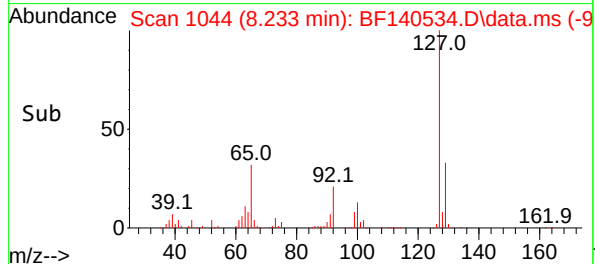
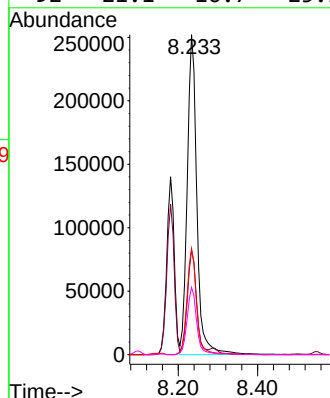
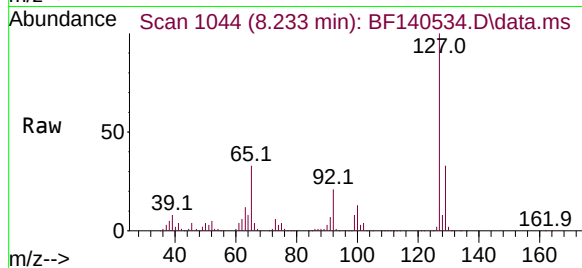
Ion Ratio Lower Upper

127 100

129 32.7 26.0 39.0

65 33.2 26.0 39.0

92 21.1 16.7 25.1



#34

Hexachlorobutadiene

Concen: 57.911 ng

RT: 8.292 min Scan# 1054

Delta R.T. -0.000 min

Lab File: BF140534.D

Acq: 21 Nov 2024 13:51

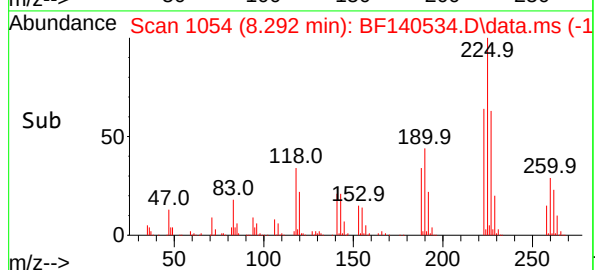
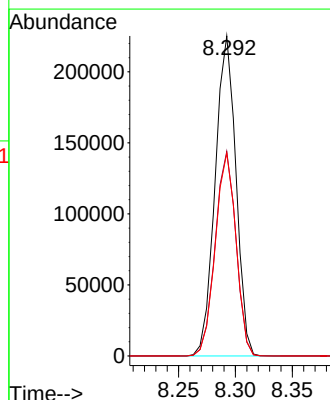
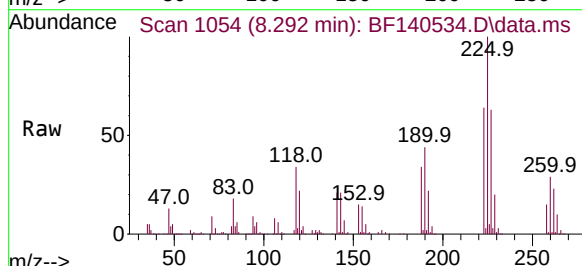
Tgt Ion:225 Resp: 286614

Ion Ratio Lower Upper

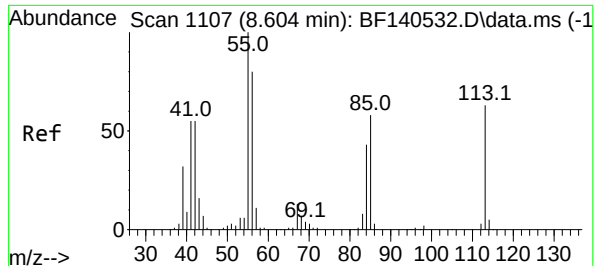
225 100

223 63.9 49.8 74.8

227 63.4 51.3 76.9



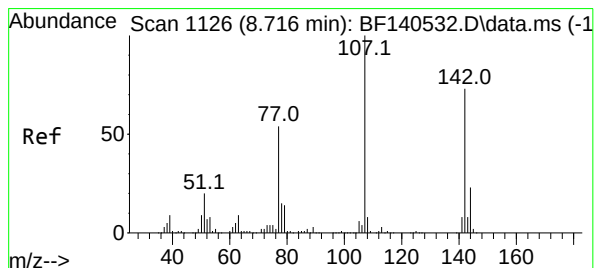
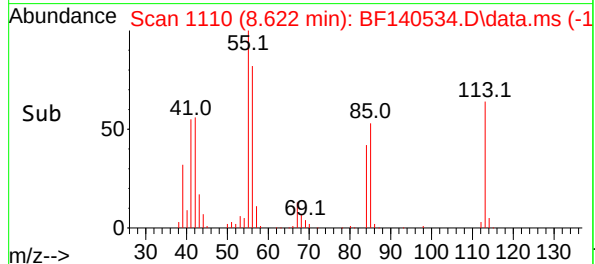
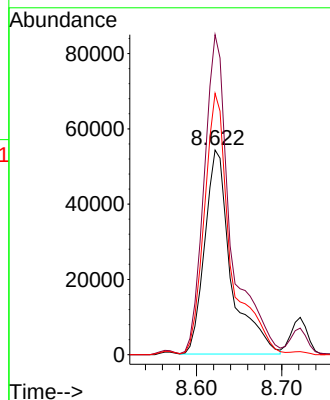
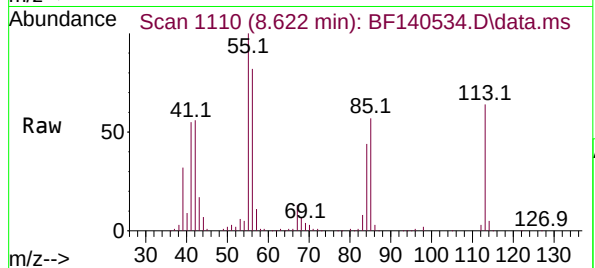




#35  
Caprolactam  
Concen: 57.943 ng  
RT: 8.622 min Scan# 1110  
Delta R.T. 0.018 min  
Lab File: BF140534.D  
Acq: 21 Nov 2024 13:51

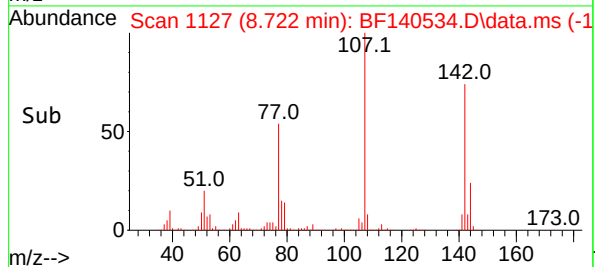
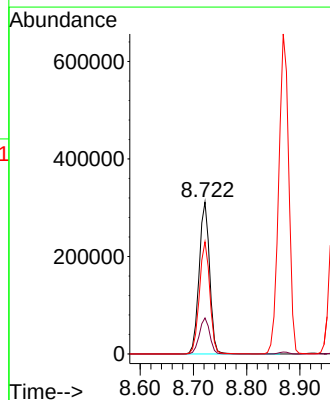
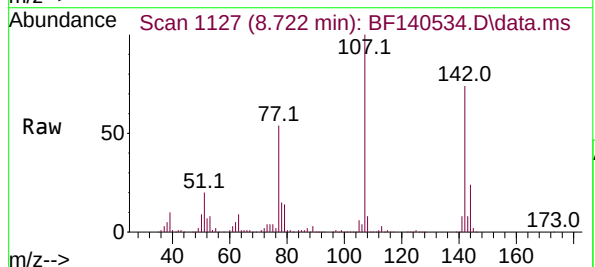
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC060

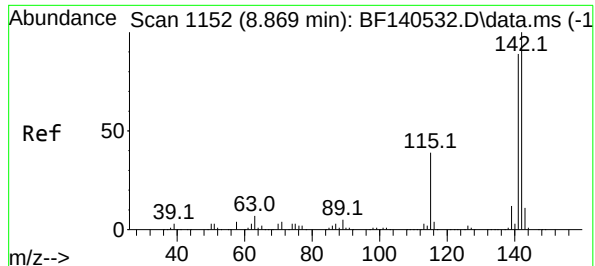
Tgt Ion:113 Resp: 117351  
Ion Ratio Lower Upper  
113 100  
55 156.4 137.7 177.7  
56 127.7 106.4 146.4



#36  
4-Chloro-3-methylphenol  
Concen: 57.938 ng  
RT: 8.722 min Scan# 1127  
Delta R.T. 0.006 min  
Lab File: BF140534.D  
Acq: 21 Nov 2024 13:51

Tgt Ion:107 Resp: 424528  
Ion Ratio Lower Upper  
107 100  
144 23.7 18.7 28.1  
142 73.8 58.3 87.5





#37

2-Methylnaphthalene

Concen: 56.857 ng

RT: 8.869 min Scan# 1152

Delta R.T. -0.000 min

Lab File: BF140534.D

Acq: 21 Nov 2024 13:51

Instrument :

BNA\_F

ClientSampleId :

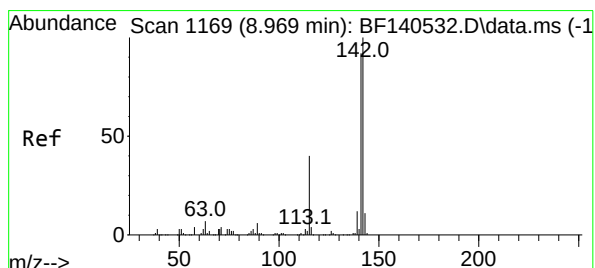
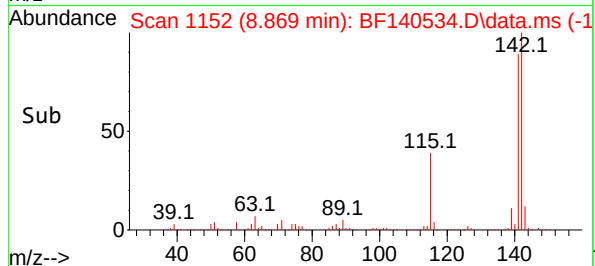
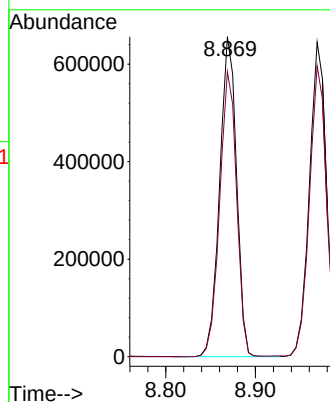
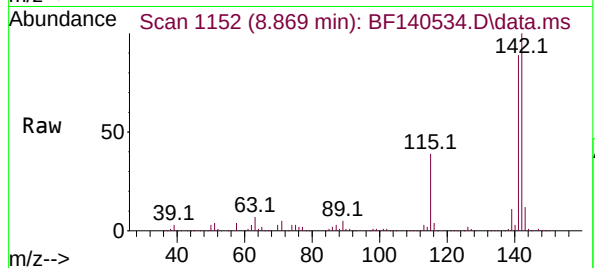
SSTDICC060

Tgt Ion:142 Resp: 857509

Ion Ratio Lower Upper

142 100

141 89.1 71.0 106.6



#38

1-Methylnaphthalene

Concen: 56.925 ng

RT: 8.969 min Scan# 1169

Delta R.T. -0.000 min

Lab File: BF140534.D

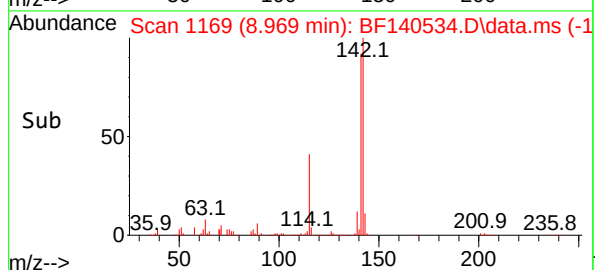
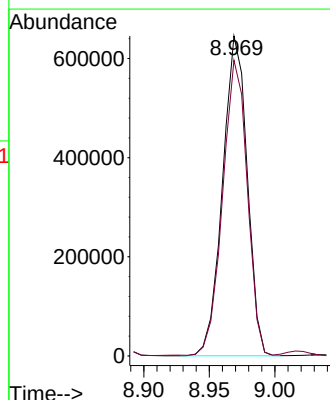
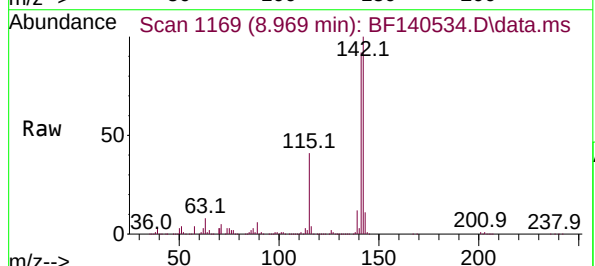
Acq: 21 Nov 2024 13:51

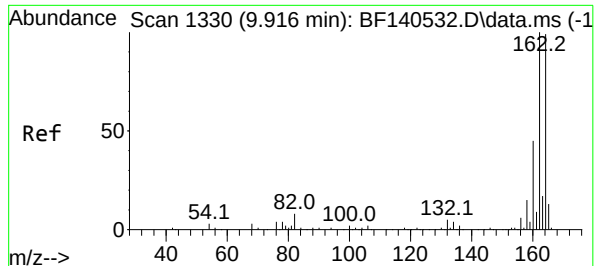
Tgt Ion:142 Resp: 841528

Ion Ratio Lower Upper

142 100

141 92.4 73.3 109.9





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.916 min Scan# 1180

Delta R.T. -0.000 min

Lab File: BF140534.D

Acq: 21 Nov 2024 13:51

Instrument :

BNA\_F

ClientSampleId :

SSTDICC060

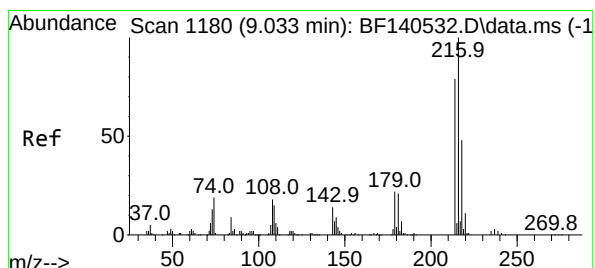
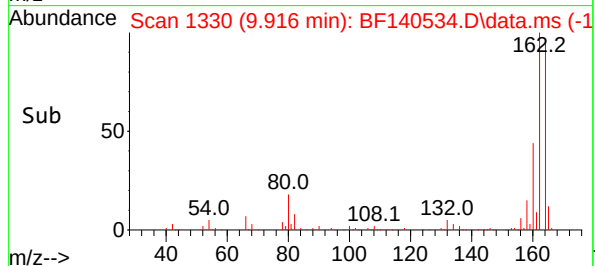
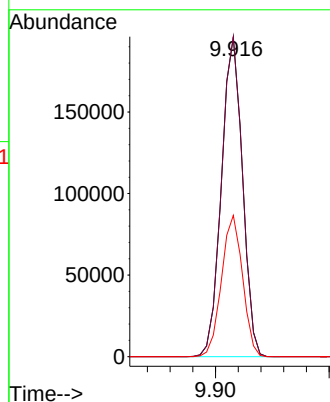
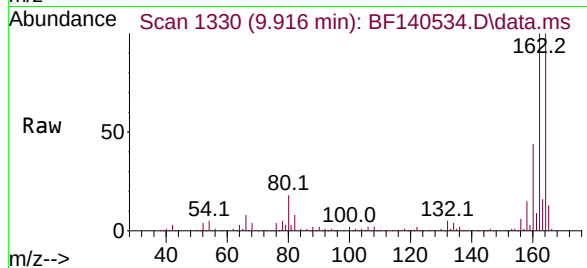
Tgt Ion:164 Resp: 252108

Ion Ratio Lower Upper

164 100

162 100.2 80.6 120.8

160 44.3 36.2 54.4



#40

1,2,4,5-Tetrachlorobenzene

Concen: 57.878 ng

RT: 9.033 min Scan# 1180

Delta R.T. -0.000 min

Lab File: BF140534.D

Acq: 21 Nov 2024 13:51

Tgt Ion:216 Resp: 427164

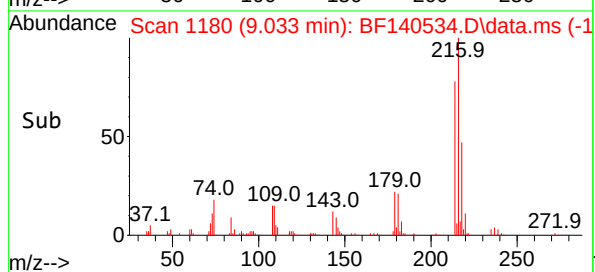
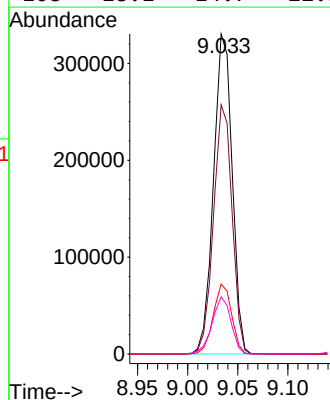
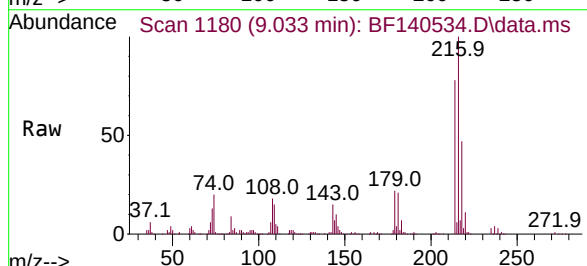
Ion Ratio Lower Upper

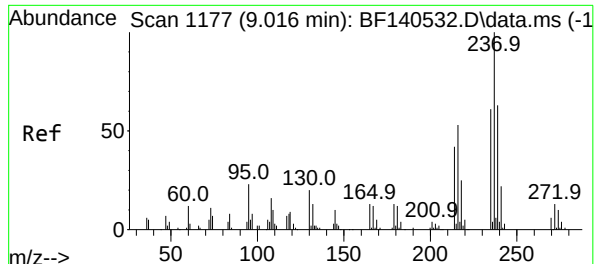
216 100

214 77.6 63.0 94.4

179 21.5 17.5 26.3

108 18.1 14.7 22.1

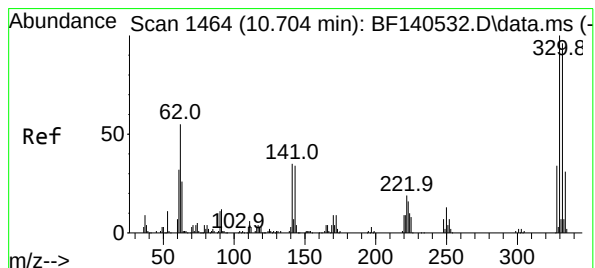
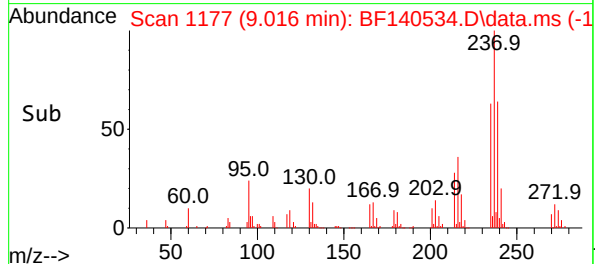
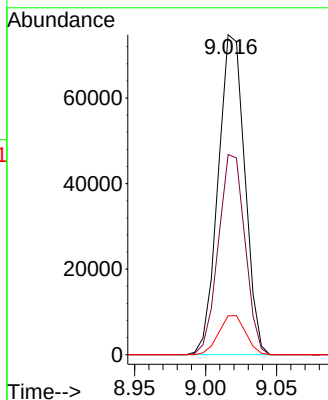
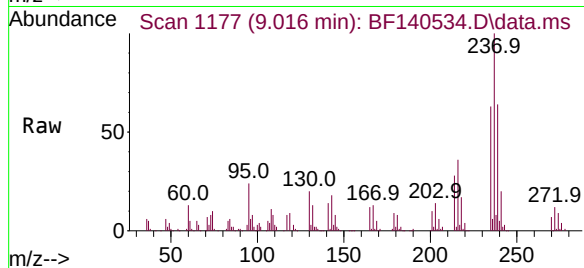




#41  
Hexachlorocyclopentadiene  
Concen: 60.727 ng  
RT: 9.016 min Scan# 1177  
Delta R.T. -0.000 min  
Lab File: BF140534.D  
Acq: 21 Nov 2024 13:51

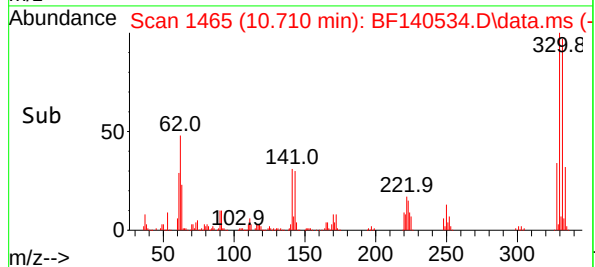
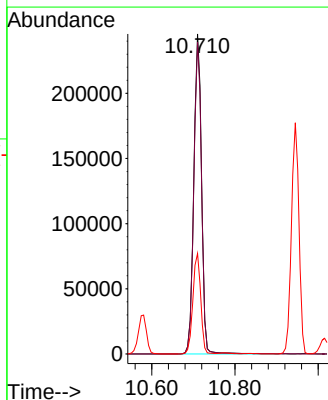
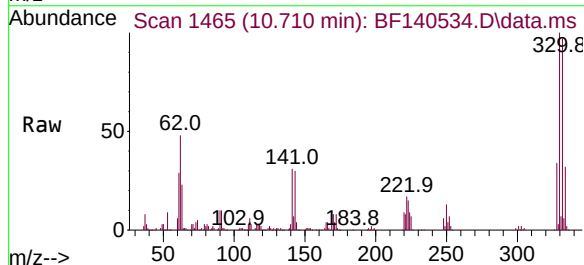
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC060

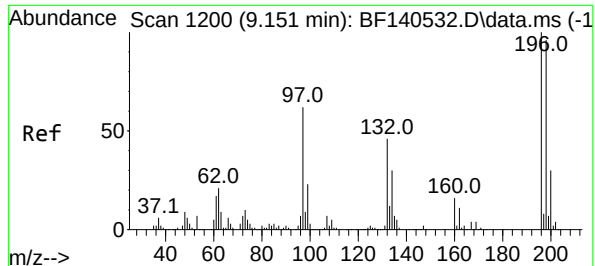
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 237     | 100   |       |       |
| 235     | 62.5  | 41.1  | 81.1  |
| 272     | 12.1  | 0.0   | 32.6  |



#42  
2,4,6-Tribromophenol  
Concen: 117.756 ng  
RT: 10.710 min Scan# 1465  
Delta R.T. 0.006 min  
Lab File: BF140534.D  
Acq: 21 Nov 2024 13:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 97.1  | 76.9  | 115.3 |
| 141     | 31.7  | 26.7  | 40.1  |





#43

2,4,6-Trichlorophenol

Concen: 58.819 ng

RT: 9.151 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF140534.D

Acq: 21 Nov 2024 13:51

Instrument :

BNA\_F

ClientSampleId :

SSTDICC060

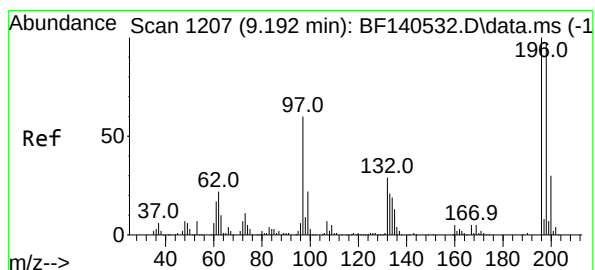
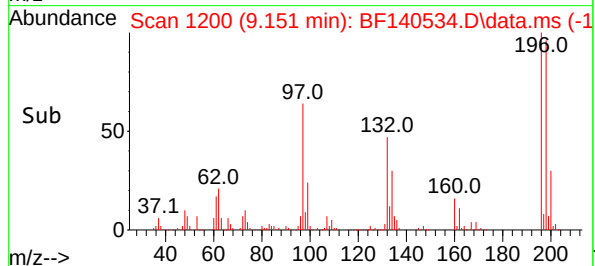
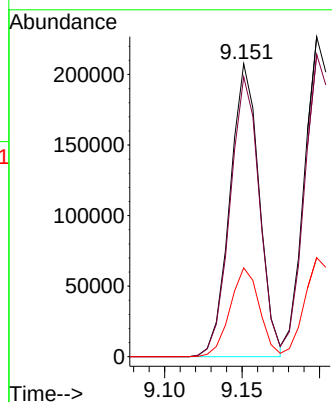
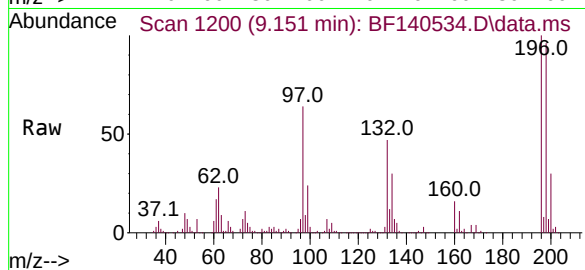
Tgt Ion:196 Resp: 272399

Ion Ratio Lower Upper

196 100

198 95.6 76.8 115.2

200 30.3 24.3 36.5



#44

2,4,5-Trichlorophenol

Concen: 59.694 ng

RT: 9.198 min Scan# 1208

Delta R.T. 0.006 min

Lab File: BF140534.D

Acq: 21 Nov 2024 13:51

Tgt Ion:196 Resp: 300029

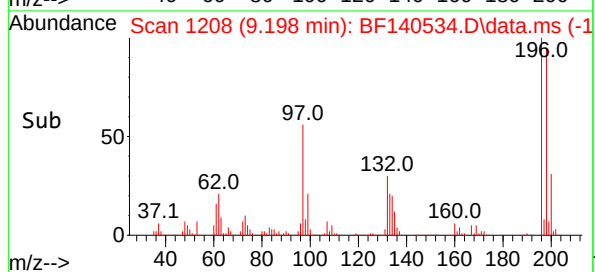
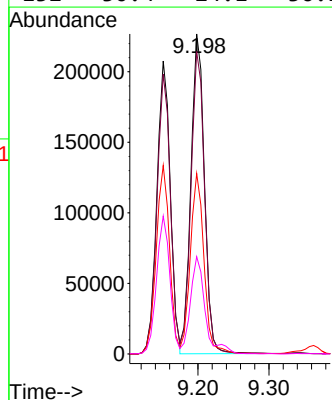
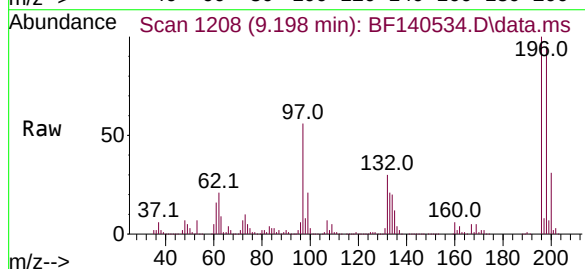
Ion Ratio Lower Upper

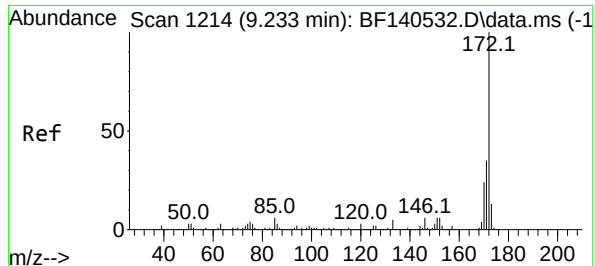
196 100

198 94.5 77.2 115.8

97 56.4 47.1 70.7

132 30.4 24.1 36.1

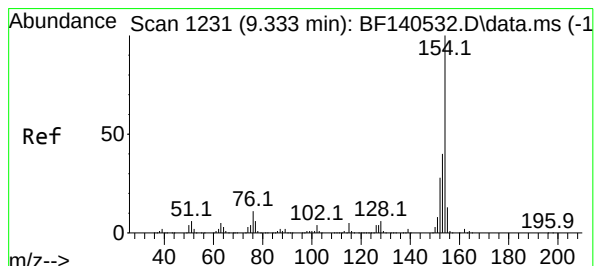
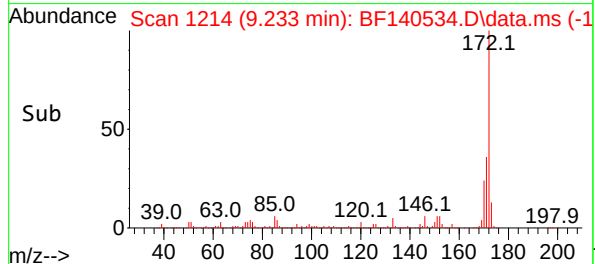
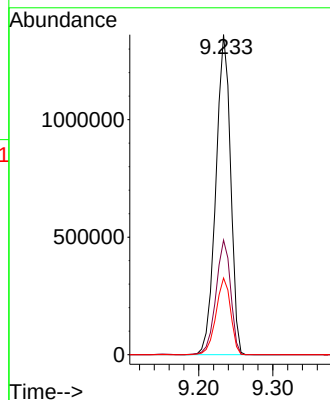
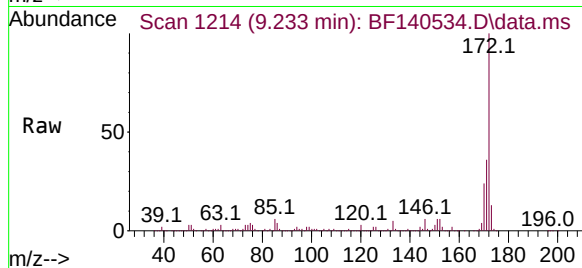




#45  
2-Fluorobiphenyl  
Concen: 110.815 ng  
RT: 9.233 min Scan# 1214  
Delta R.T. -0.000 min  
Lab File: BF140534.D  
Acq: 21 Nov 2024 13:51

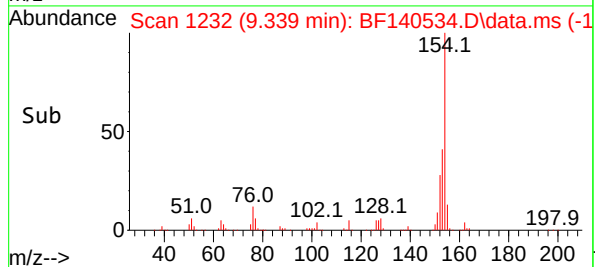
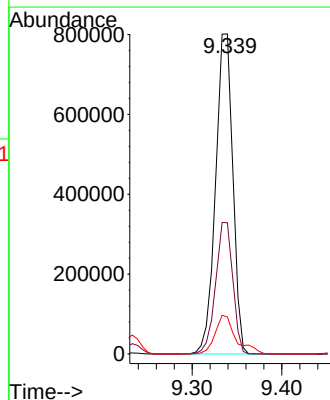
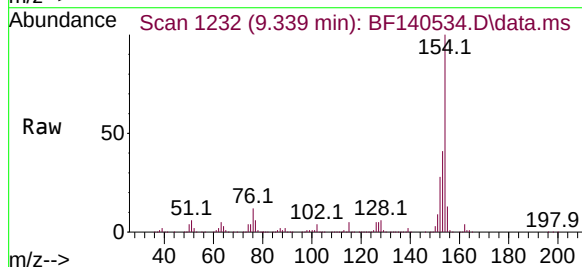
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC060

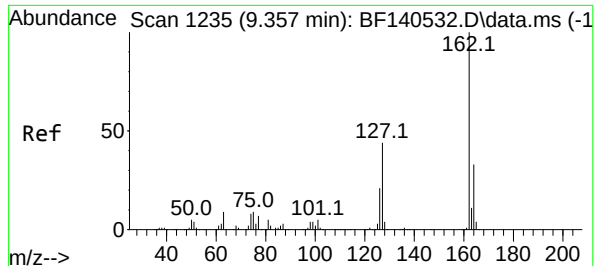
Tgt Ion:172 Resp: 1875064  
Ion Ratio Lower Upper  
172 100  
171 35.8 28.4 42.6  
170 24.0 19.0 28.6



#46  
1,1'-Biphenyl  
Concen: 56.978 ng  
RT: 9.339 min Scan# 1232  
Delta R.T. 0.006 min  
Lab File: BF140534.D  
Acq: 21 Nov 2024 13:51

Tgt Ion:154 Resp: 1072474  
Ion Ratio Lower Upper  
154 100  
153 41.0 20.4 60.4  
76 11.5 0.0 31.2





#47

2-Chloronaphthalene

Concen: 57.492 ng

RT: 9.363 min Scan# 1235

Delta R.T. 0.006 min

Lab File: BF140534.D

Acq: 21 Nov 2024 13:51

Instrument :

BNA\_F

ClientSampleId :

SSTDICC060

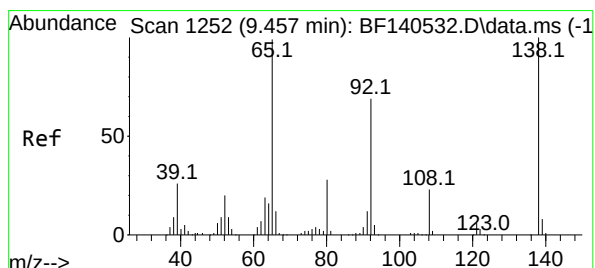
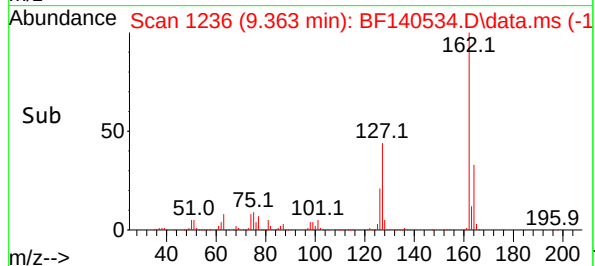
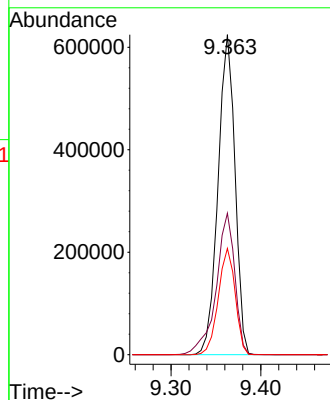
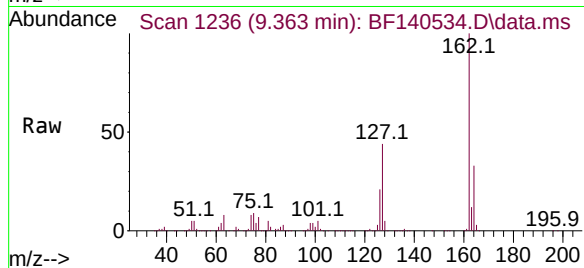
Tgt Ion:162 Resp: 819966

Ion Ratio Lower Upper

162 100

127 44.2 35.7 53.5

164 33.2 26.1 39.1



#48

2-Nitroaniline

Concen: 58.938 ng

RT: 9.463 min Scan# 1253

Delta R.T. 0.006 min

Lab File: BF140534.D

Acq: 21 Nov 2024 13:51

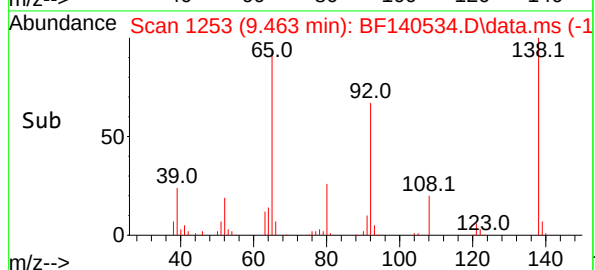
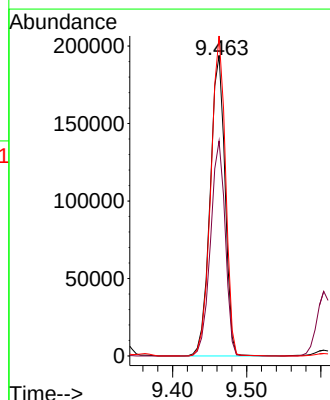
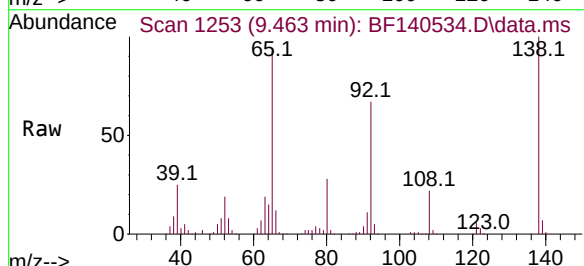
Tgt Ion: 65 Resp: 269813

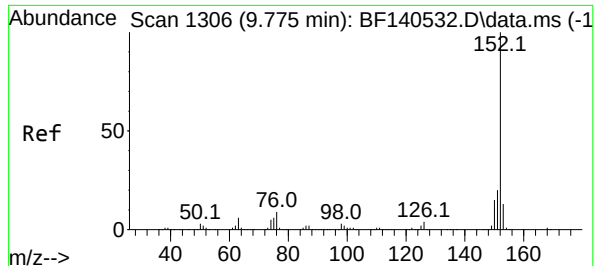
Ion Ratio Lower Upper

65 100

92 71.5 56.1 84.1

138 106.4 81.0 121.6





#49

Acenaphthylene

Concen: 56.965 ng

RT: 9.780 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF140534.D

Acq: 21 Nov 2024 13:51

Instrument :

BNA\_F

ClientSampleId :

SSTDICC060

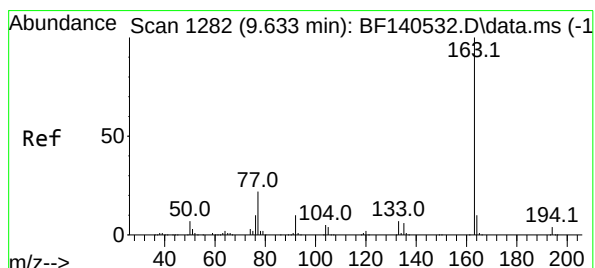
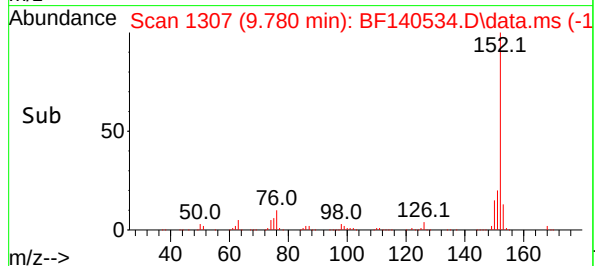
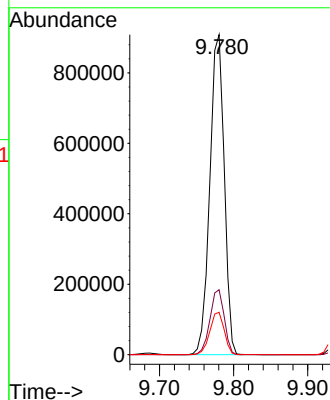
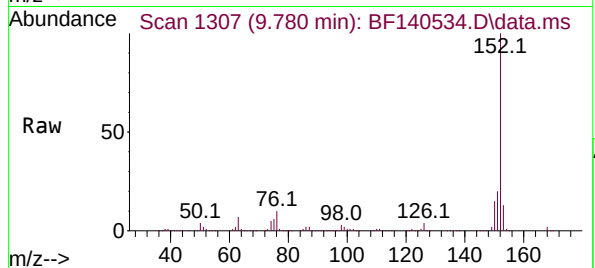
Tgt Ion:152 Resp: 1227568

Ion Ratio Lower Upper

152 100

151 20.3 15.9 23.9

153 13.2 10.6 16.0



#50

Dimethylphthalate

Concen: 57.854 ng

RT: 9.639 min Scan# 1283

Delta R.T. 0.006 min

Lab File: BF140534.D

Acq: 21 Nov 2024 13:51

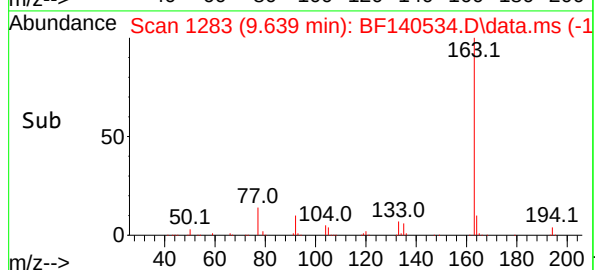
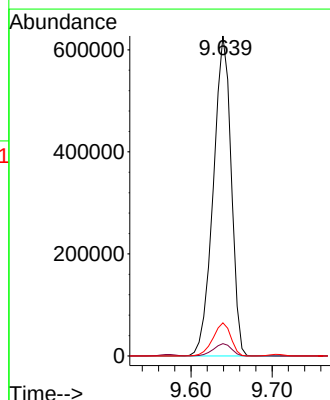
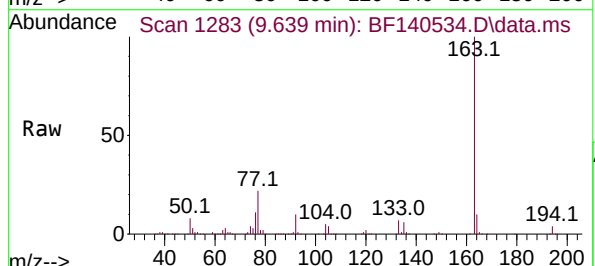
Tgt Ion:163 Resp: 960589

Ion Ratio Lower Upper

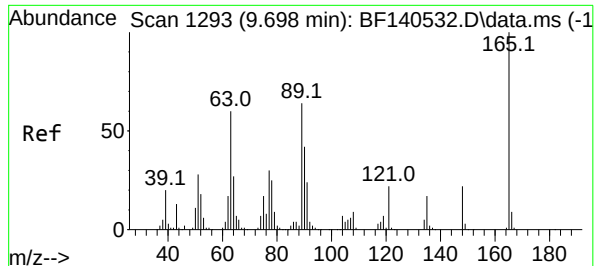
163 100

194 3.9 3.1 4.7

164 10.3 8.2 12.2







#51

2,6-Dinitrotoluene

Concen: 58.802 ng

RT: 9.704 min Scan# 1293

Delta R.T. 0.006 min

Lab File: BF140534.D

Acq: 21 Nov 2024 13:51

Instrument :

BNA\_F

ClientSampleId :

SSTDICC060

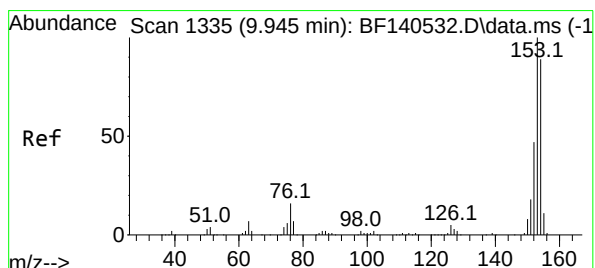
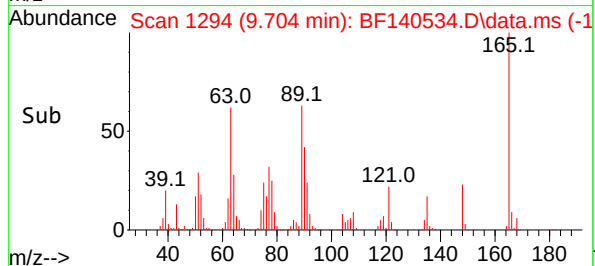
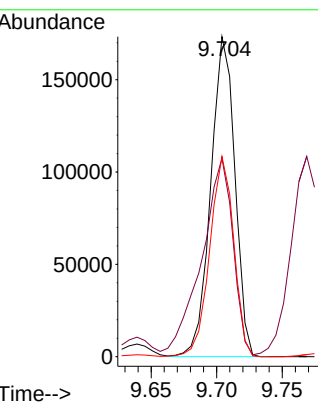
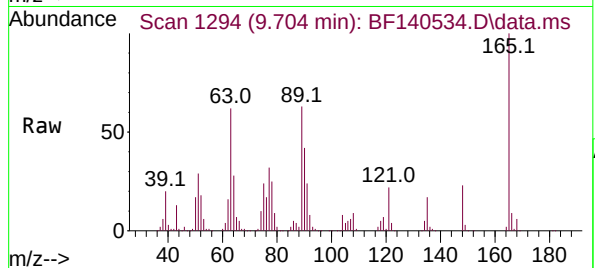
Tgt Ion:165 Resp: 221428

Ion Ratio Lower Upper

165 100

63 62.0 49.9 74.9

89 62.5 50.9 76.3



#52

Acenaphthene

Concen: 56.194 ng

RT: 9.951 min Scan# 1336

Delta R.T. 0.006 min

Lab File: BF140534.D

Acq: 21 Nov 2024 13:51

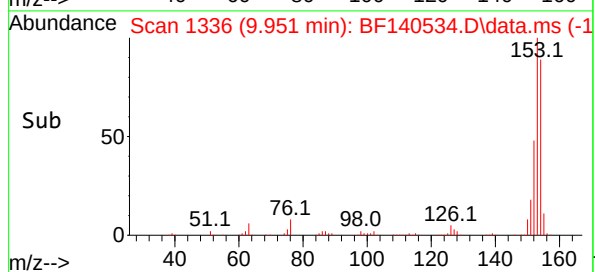
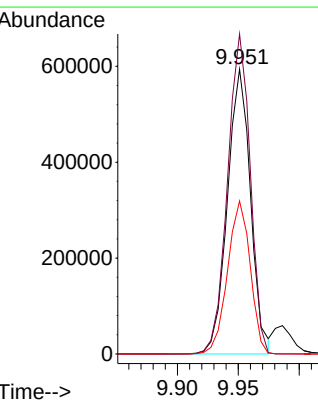
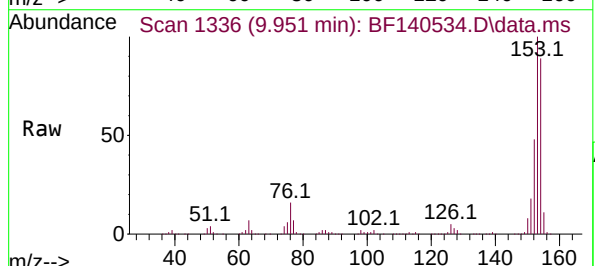
Tgt Ion:154 Resp: 784102

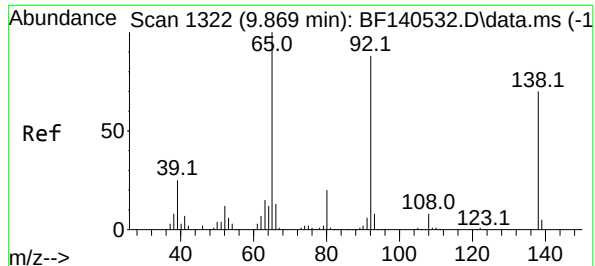
Ion Ratio Lower Upper

154 100

153 112.4 89.7 134.5

152 53.7 42.5 63.7

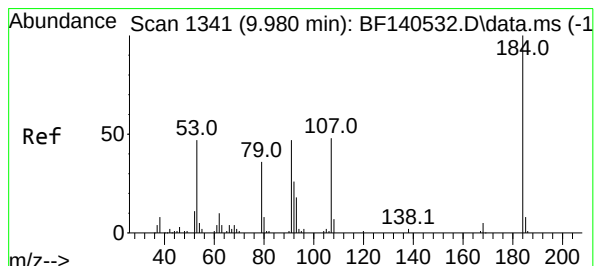
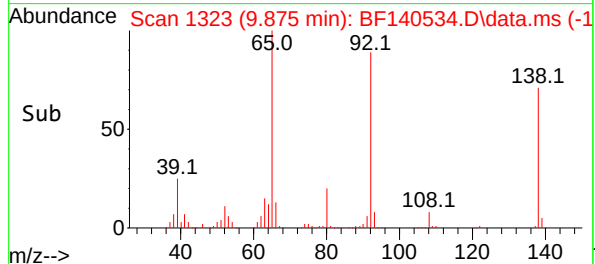
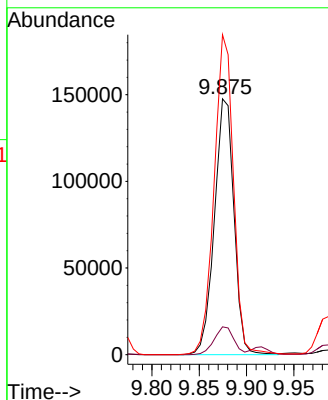
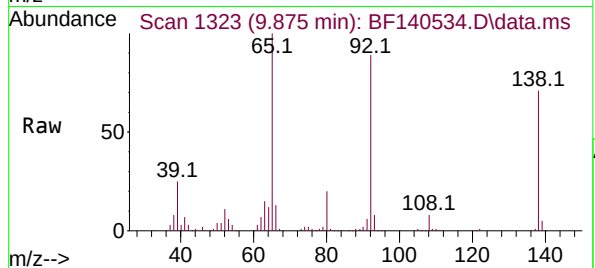




#53  
3-Nitroaniline  
Concen: 57.607 ng  
RT: 9.875 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: BF140534.D  
Acq: 21 Nov 2024 13:51

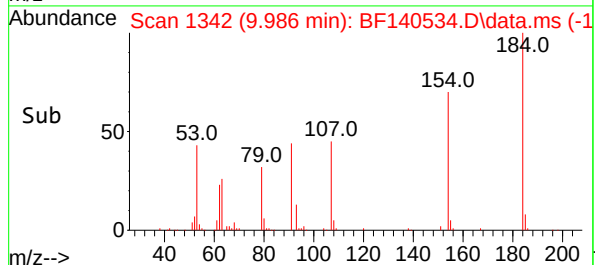
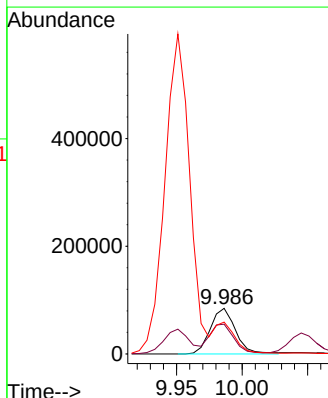
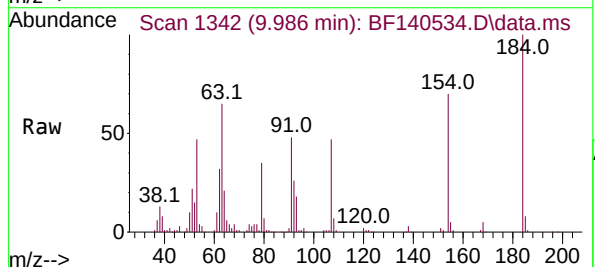
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC060

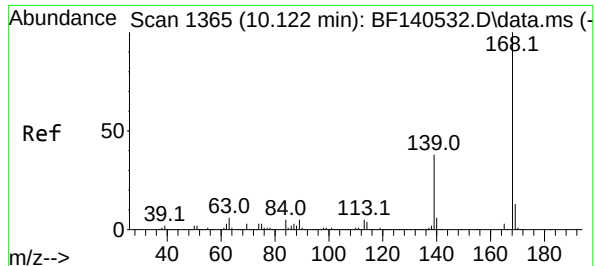
Tgt Ion:138 Resp: 212165  
Ion Ratio Lower Upper  
138 100  
108 10.9 9.2 13.8  
92 125.1 100.6 150.8



#54  
2,4-Dinitrophenol  
Concen: 60.328 ng  
RT: 9.986 min Scan# 1342  
Delta R.T. 0.006 min  
Lab File: BF140534.D  
Acq: 21 Nov 2024 13:51

Tgt Ion:184 Resp: 113495  
Ion Ratio Lower Upper  
184 100  
63 65.3 54.1 81.1  
154 69.8 57.4 86.0





#55

Dibenzenofuran

Concen: 55.459 ng

RT: 10.122 min Scan# 1365

Delta R.T. -0.000 min

Lab File: BF140534.D

Acq: 21 Nov 2024 13:51

Instrument :

BNA\_F

ClientSampleId :

SSTDICC060

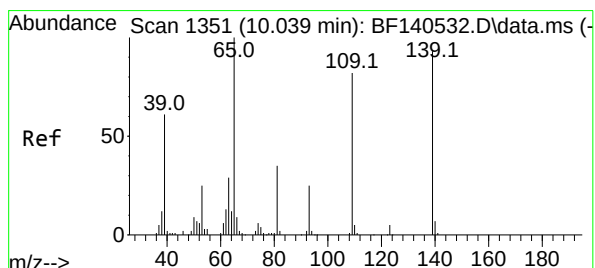
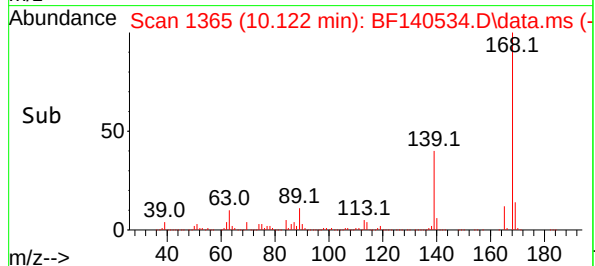
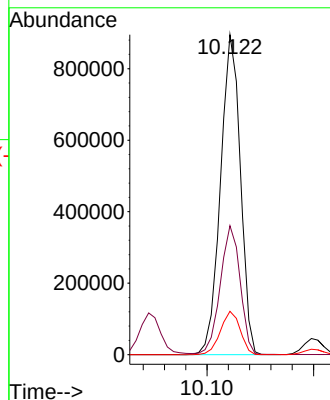
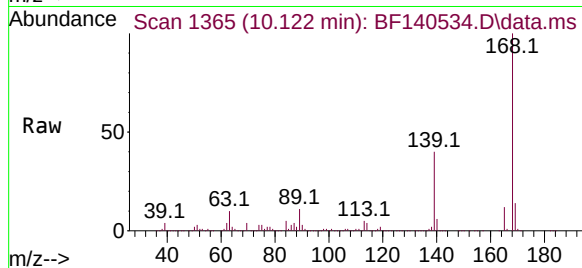
Tgt Ion:168 Resp: 1158263

Ion Ratio Lower Upper

168 100

139 40.3 31.3 46.9

169 13.5 10.5 15.7



#56

4-Nitrophenol

Concen: 64.410 ng

RT: 10.045 min Scan# 1352

Delta R.T. 0.006 min

Lab File: BF140534.D

Acq: 21 Nov 2024 13:51

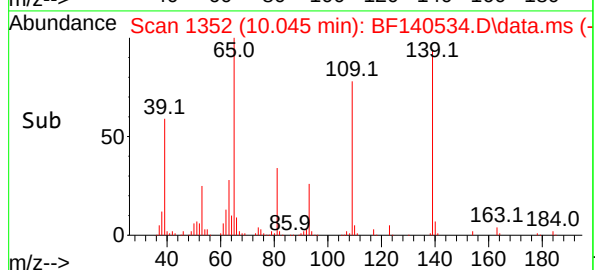
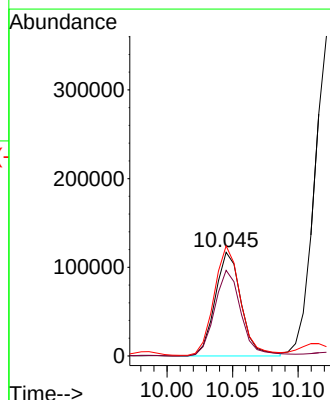
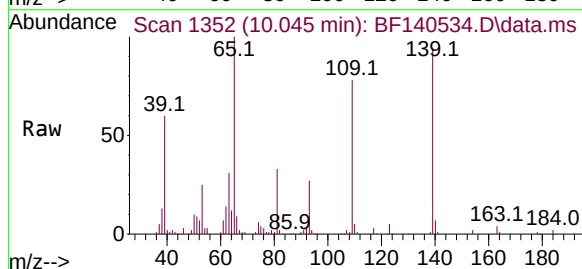
Tgt Ion:139 Resp: 161782

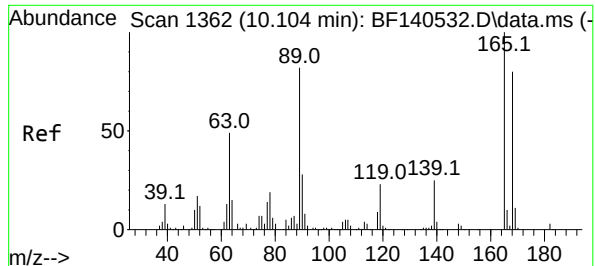
Ion Ratio Lower Upper

139 100

109 82.6 68.4 108.4

65 106.2 88.6 128.6

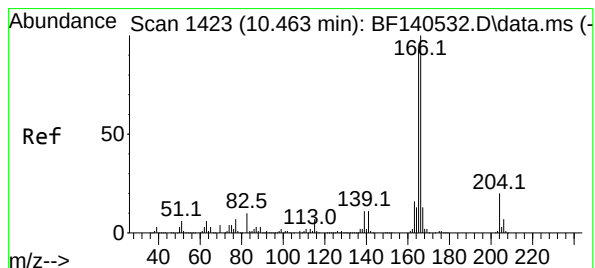
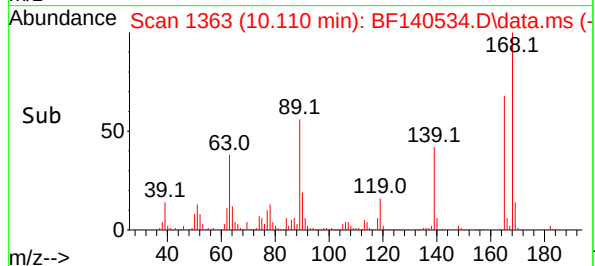
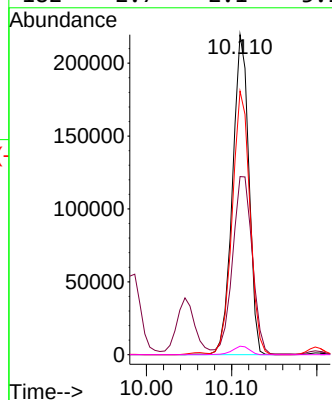
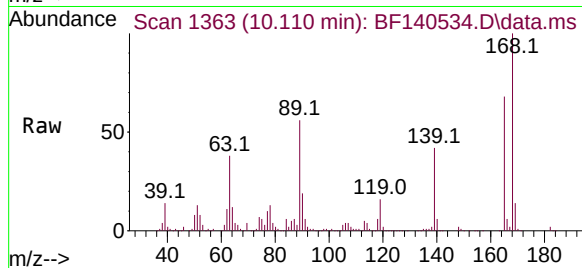




#57  
2,4-Dinitrotoluene  
Concen: 58.735 ng  
RT: 10.110 min Scan# 1363  
Delta R.T. 0.006 min  
Lab File: BF140534.D  
Acq: 21 Nov 2024 13:51

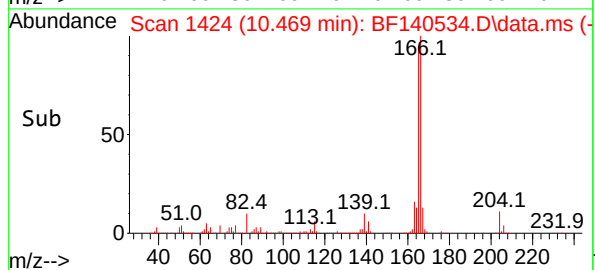
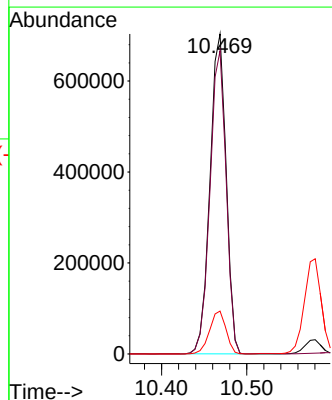
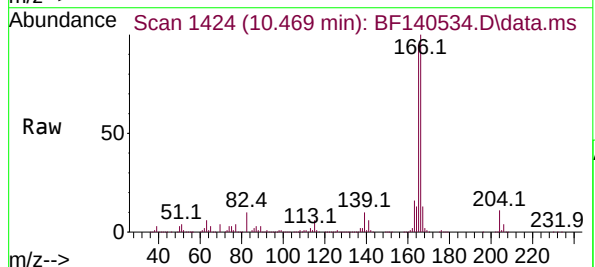
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC060

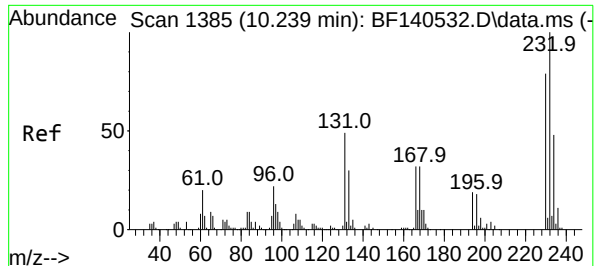
Tgt Ion:165 Resp: 293950  
Ion Ratio Lower Upper  
165 100  
63 55.7 41.7 62.5  
89 82.4 65.8 98.8  
182 2.7 2.1 3.1



#58  
Fluorene  
Concen: 55.218 ng  
RT: 10.469 min Scan# 1424  
Delta R.T. 0.006 min  
Lab File: BF140534.D  
Acq: 21 Nov 2024 13:51

Tgt Ion:166 Resp: 925678  
Ion Ratio Lower Upper  
166 100  
165 94.7 74.6 111.8  
167 13.4 10.6 16.0

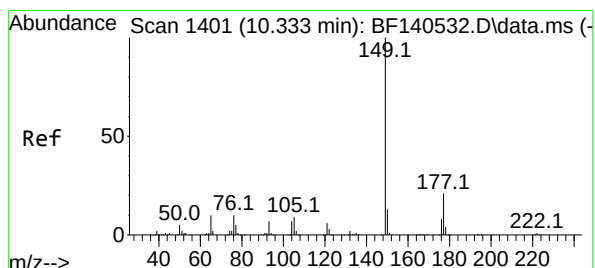
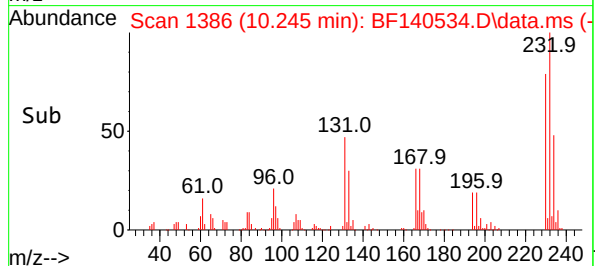
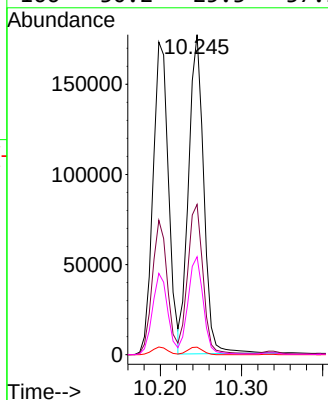
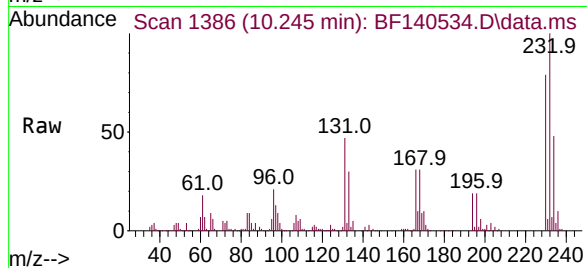




#59  
2,3,4,6-Tetrachlorophenol  
Concen: 59.746 ng  
RT: 10.245 min Scan# 1386  
Delta R.T. 0.006 min  
Lab File: BF140534.D  
Acq: 21 Nov 2024 13:51

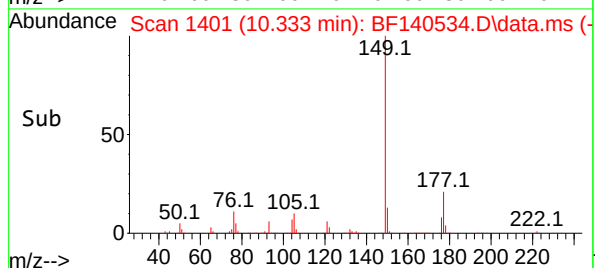
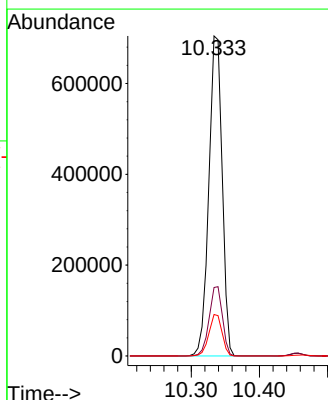
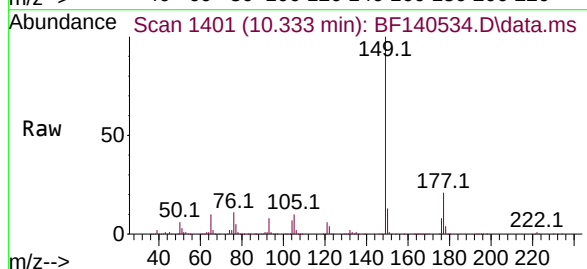
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC060

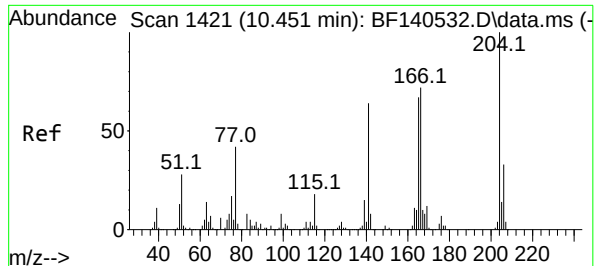
Tgt Ion:232 Resp: 230786  
Ion Ratio Lower Upper  
232 100  
131 47.5 39.6 59.4  
130 2.4 1.9 2.9  
166 30.2 25.3 37.9



#60  
Diethylphthalate  
Concen: 56.869 ng  
RT: 10.333 min Scan# 1401  
Delta R.T. -0.000 min  
Lab File: BF140534.D  
Acq: 21 Nov 2024 13:51

Tgt Ion:149 Resp: 959366  
Ion Ratio Lower Upper  
149 100  
177 21.4 17.1 25.7  
150 12.9 10.1 15.1

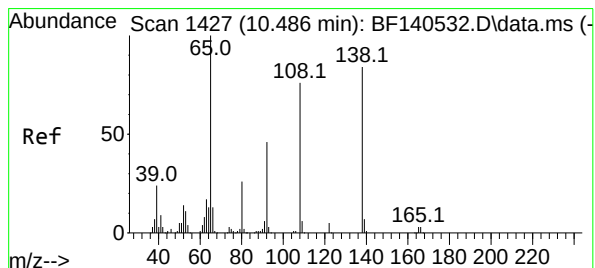
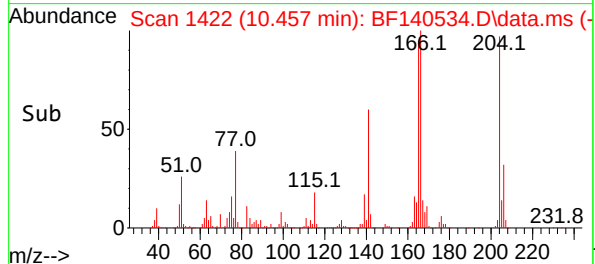
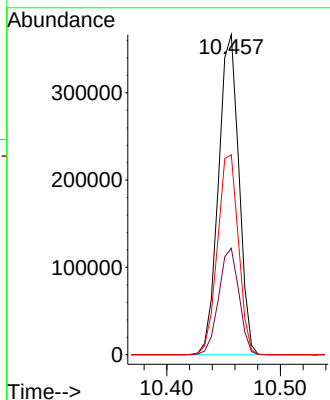
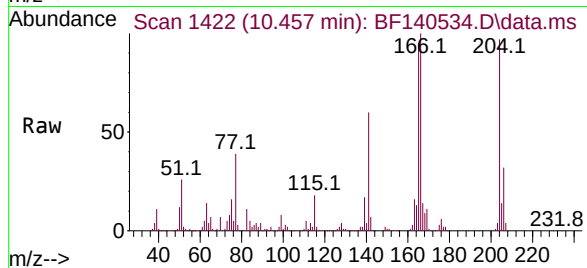




#61  
4-Chlorophenyl-phenylether  
Concen: 55.641 ng  
RT: 10.457 min Scan# 1421  
Delta R.T. 0.006 min  
Lab File: BF140534.D  
Acq: 21 Nov 2024 13:51

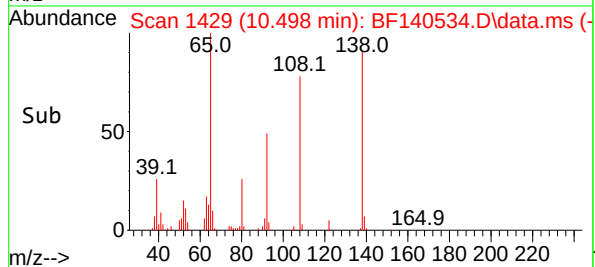
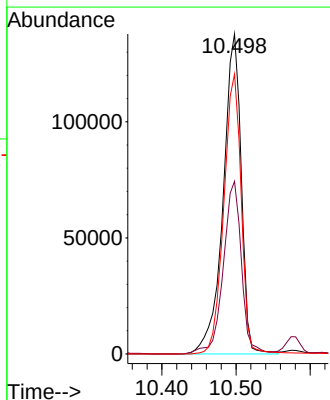
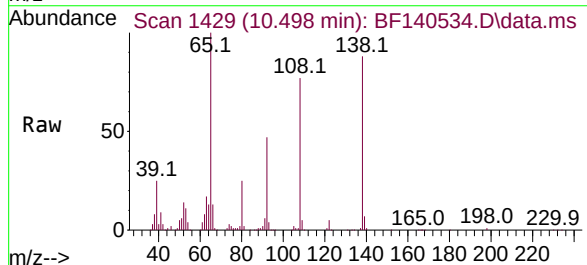
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC060

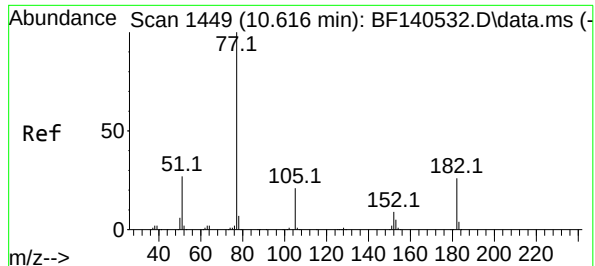
Tgt Ion:204 Resp: 457757  
Ion Ratio Lower Upper  
204 100  
206 33.3 26.6 40.0  
141 62.4 51.1 76.7



#62  
4-Nitroaniline  
Concen: 60.547 ng  
RT: 10.498 min Scan# 1429  
Delta R.T. 0.012 min  
Lab File: BF140534.D  
Acq: 21 Nov 2024 13:51

Tgt Ion:138 Resp: 233877  
Ion Ratio Lower Upper  
138 100  
92 54.0 34.5 74.5  
108 87.5 70.6 110.6

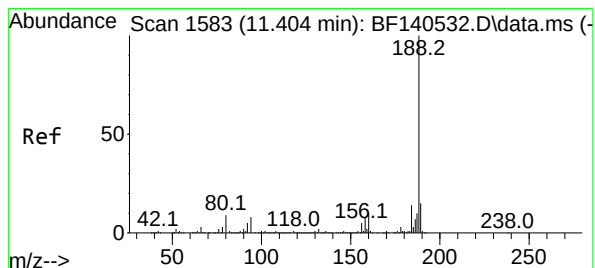
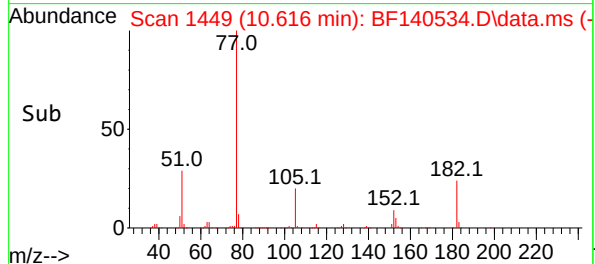
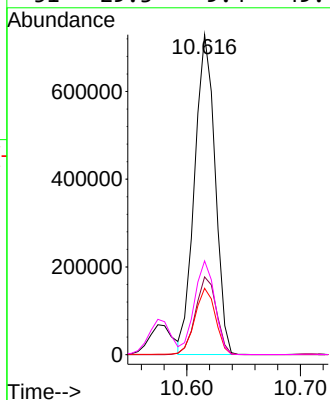
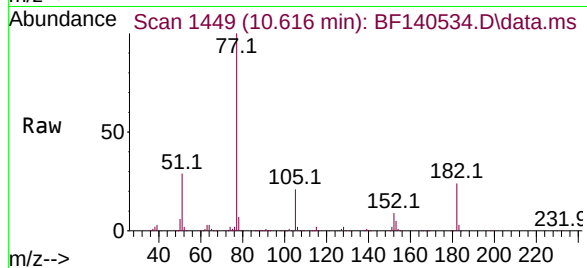




#63  
Azobenzene  
Concen: 57.097 ng  
RT: 10.616 min Scan# 1449  
Delta R.T. -0.000 min  
Lab File: BF140534.D  
Acq: 21 Nov 2024 13:51

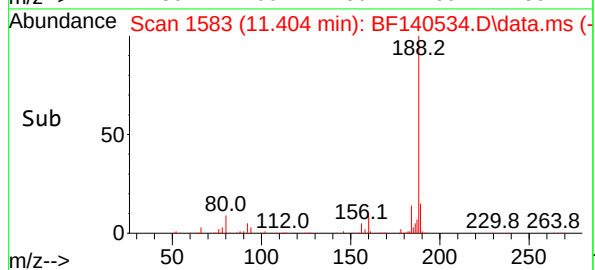
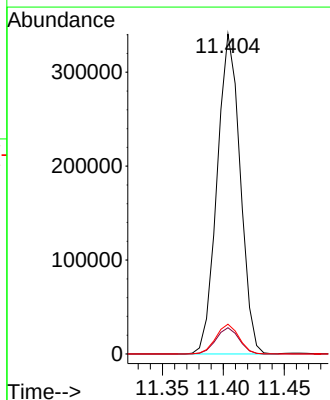
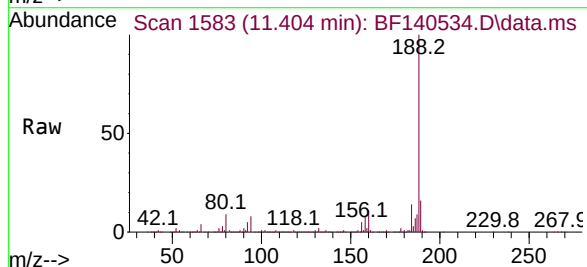
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC060

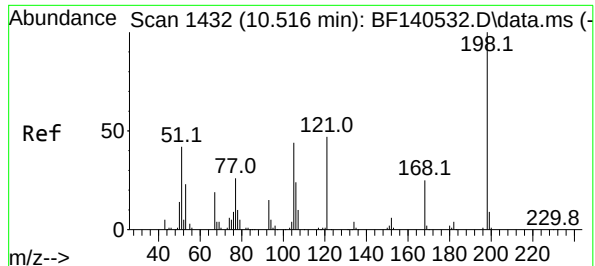
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 77    | Resp: | 912145 |
| Ion      | Ratio | Lower | Upper  |
| 77       | 100   |       |        |
| 182      | 24.3  | 5.3   | 45.3   |
| 105      | 20.8  | 0.3   | 40.3   |
| 51       | 29.3  | 9.4   | 49.4   |



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.404 min Scan# 1583  
Delta R.T. -0.000 min  
Lab File: BF140534.D  
Acq: 21 Nov 2024 13:51

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 188   | Resp: | 449876 |
| Ion      | Ratio | Lower | Upper  |
| 188      | 100   |       |        |
| 94       | 8.2   | 6.4   | 9.6    |
| 80       | 9.3   | 6.9   | 10.3   |





#65

4,6-Dinitro-2-methylphenol

Concen: 68.815 ng

RT: 10.522 min Scan# 1432

Delta R.T. 0.006 min

Lab File: BF140534.D

Acq: 21 Nov 2024 13:51

Instrument :

BNA\_F

ClientSampleId :

SSTDICC060

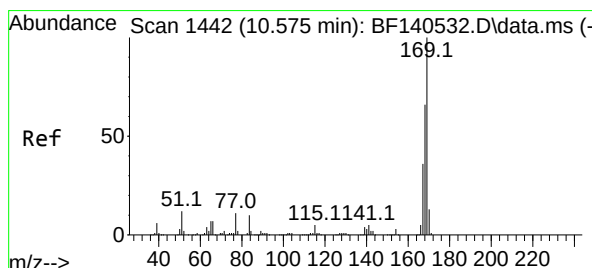
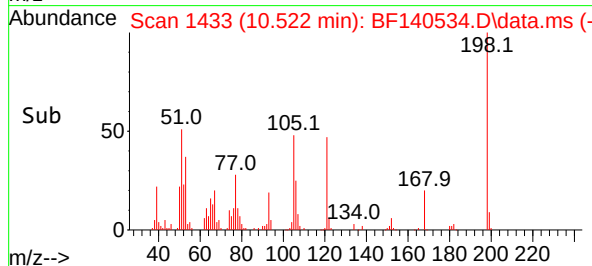
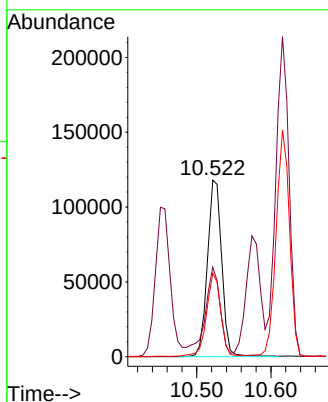
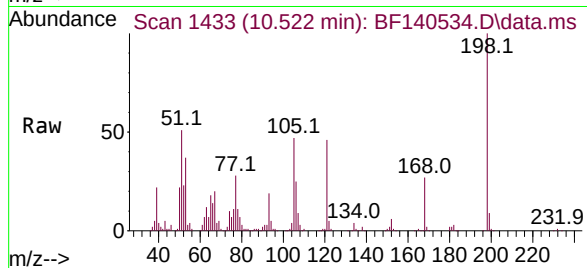
Tgt Ion:198 Resp: 158199

Ion Ratio Lower Upper

198 100

51 50.6 29.4 69.4

105 47.2 25.4 65.4



#66

n-Nitrosodiphenylamine

Concen: 58.887 ng

RT: 10.580 min Scan# 1443

Delta R.T. 0.006 min

Lab File: BF140534.D

Acq: 21 Nov 2024 13:51

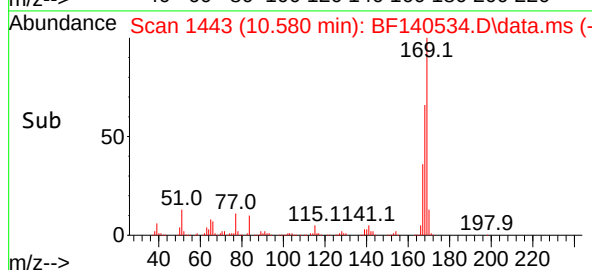
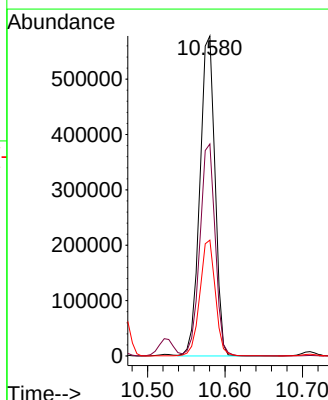
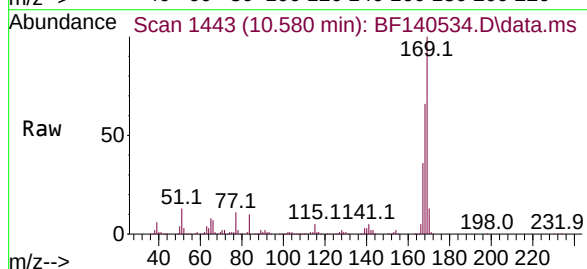
Tgt Ion:169 Resp: 783428

Ion Ratio Lower Upper

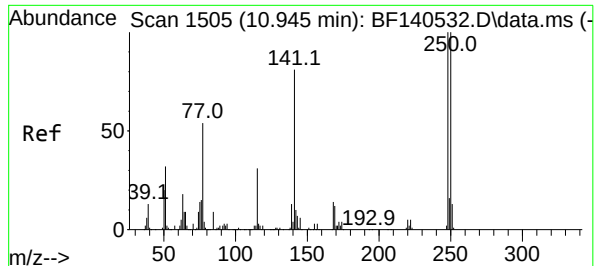
169 100

168 66.3 53.2 79.8

167 36.2 29.0 43.6



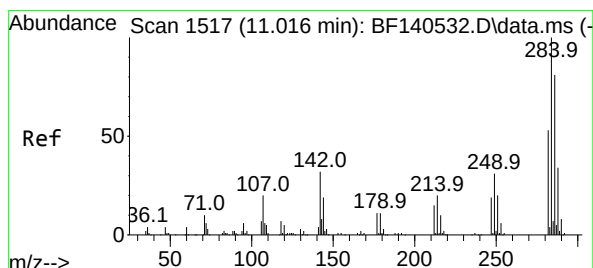
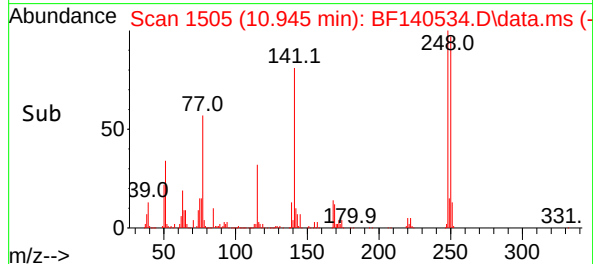
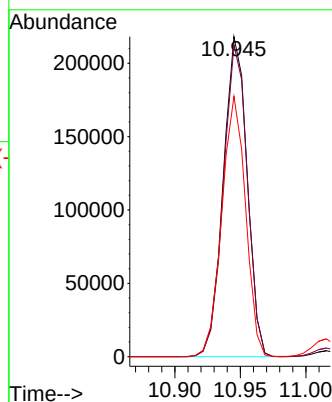
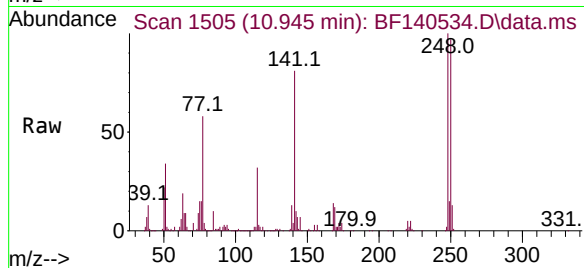




#67  
4-Bromophenyl-phenylether  
Concen: 59.628 ng  
RT: 10.945 min Scan# 1505  
Delta R.T. -0.000 min  
Lab File: BF140534.D  
Acq: 21 Nov 2024 13:51

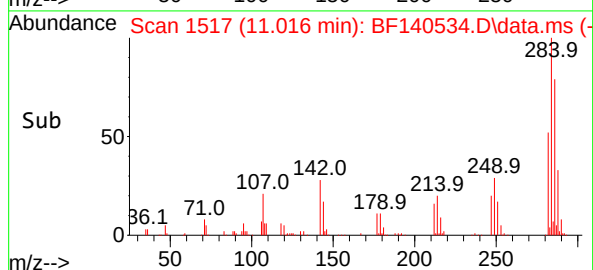
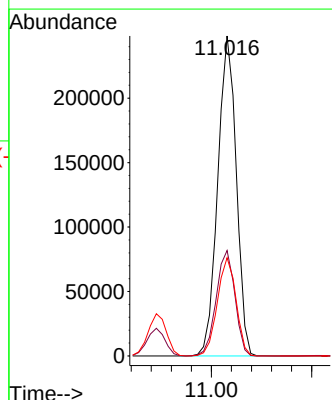
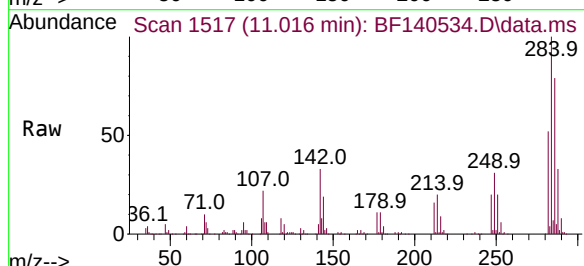
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC060

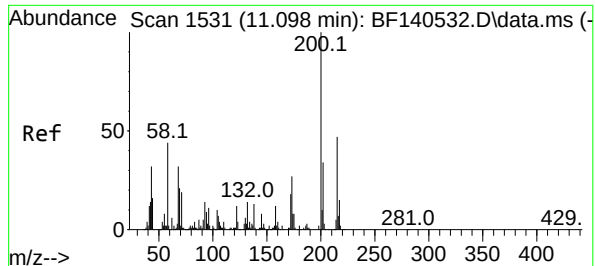
Tgt Ion:248 Resp: 276260  
Ion Ratio Lower Upper  
248 100  
250 97.4 79.8 119.8  
141 81.4 64.7 97.1



#68  
Hexachlorobenzene  
Concen: 59.265 ng  
RT: 11.016 min Scan# 1517  
Delta R.T. -0.000 min  
Lab File: BF140534.D  
Acq: 21 Nov 2024 13:51

Tgt Ion:284 Resp: 317935  
Ion Ratio Lower Upper  
284 100  
142 32.9 25.3 37.9  
249 30.7 24.8 37.2

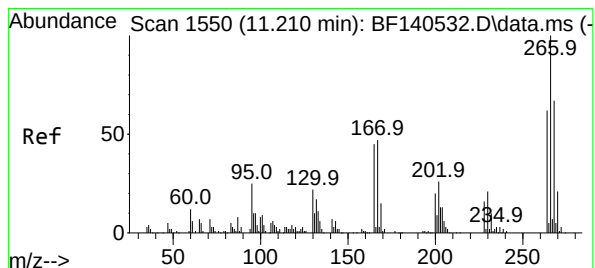
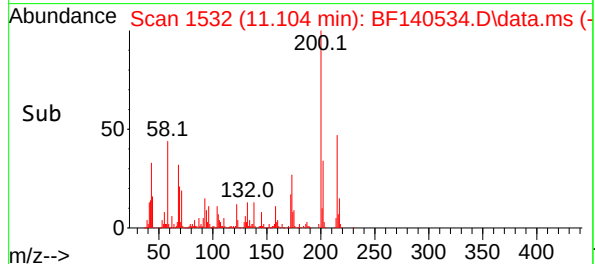
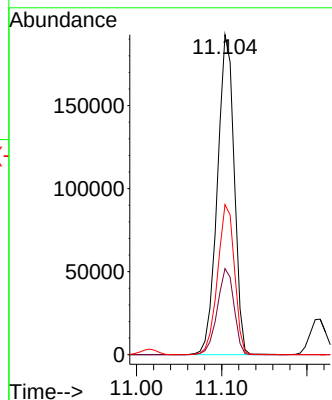
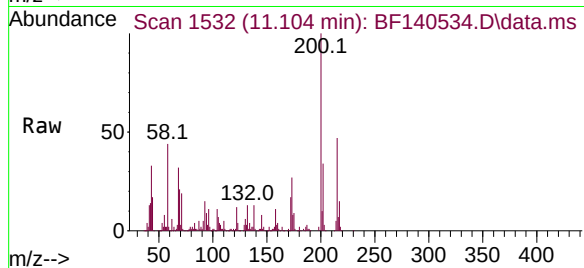




#69  
Atrazine  
Concen: 70.679 ng  
RT: 11.104 min Scan# 1532  
Delta R.T. 0.006 min  
Lab File: BF140534.D  
Acq: 21 Nov 2024 13:51

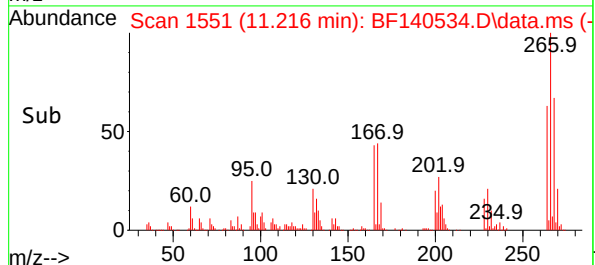
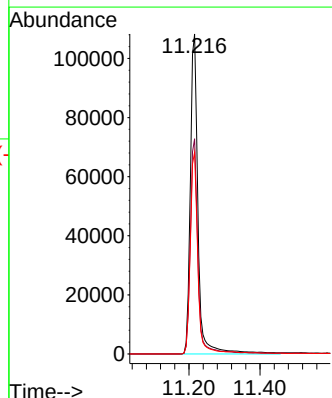
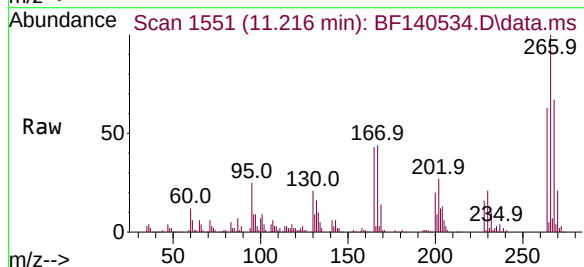
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC060

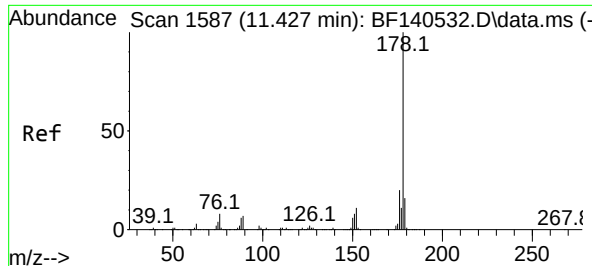
Tgt Ion:200 Resp: 264529  
Ion Ratio Lower Upper  
200 100  
173 26.9 7.0 47.0  
215 46.9 26.7 66.7



#70  
Pentachlorophenol  
Concen: 69.004 ng  
RT: 11.216 min Scan# 1551  
Delta R.T. 0.006 min  
Lab File: BF140534.D  
Acq: 21 Nov 2024 13:51

Tgt Ion:266 Resp: 162925  
Ion Ratio Lower Upper  
266 100  
268 67.3 53.7 80.5  
264 63.0 49.8 74.8

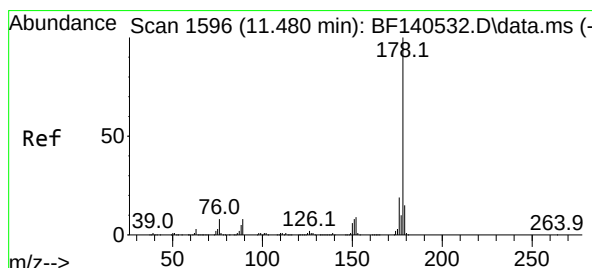
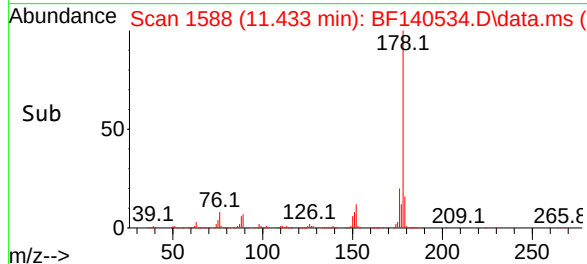
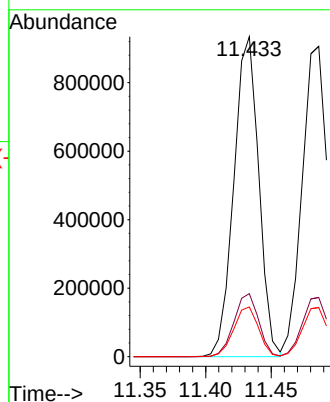
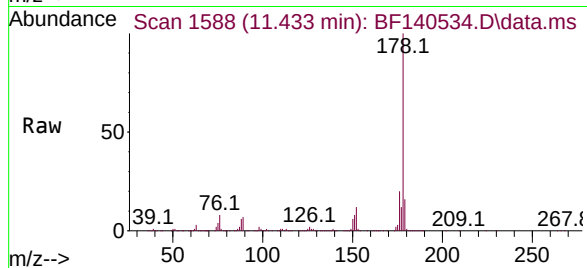




#71  
Phenanthrene  
Concen: 57.156 ng  
RT: 11.433 min Scan# 1587  
Delta R.T. 0.006 min  
Lab File: BF140534.D  
Acq: 21 Nov 2024 13:51

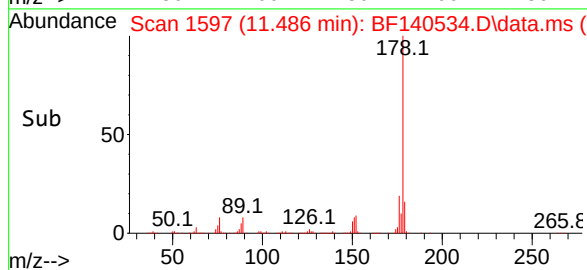
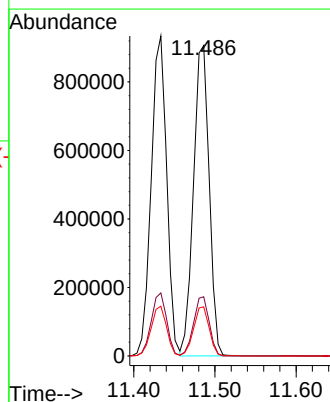
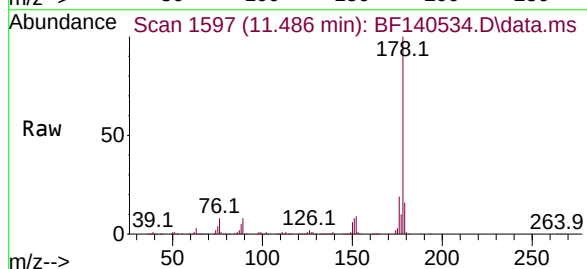
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC060

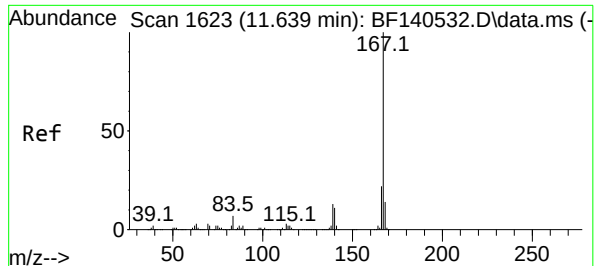
Tgt Ion:178 Resp: 1236004  
Ion Ratio Lower Upper  
178 100  
176 19.7 15.8 23.6  
179 15.6 12.4 18.6



#72  
Anthracene  
Concen: 57.692 ng  
RT: 11.486 min Scan# 1597  
Delta R.T. 0.006 min  
Lab File: BF140534.D  
Acq: 21 Nov 2024 13:51

Tgt Ion:178 Resp: 1220392  
Ion Ratio Lower Upper  
178 100  
176 19.1 15.0 22.4  
179 15.8 12.2 18.4

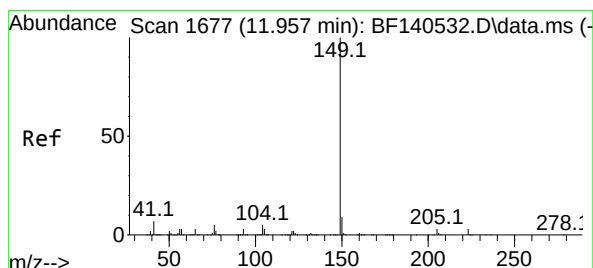
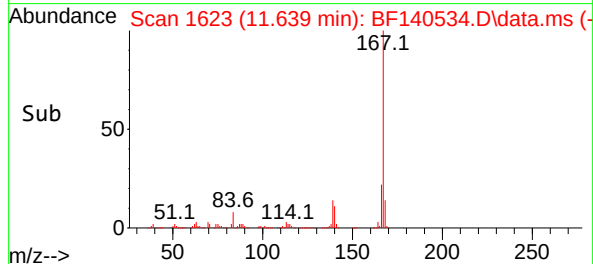
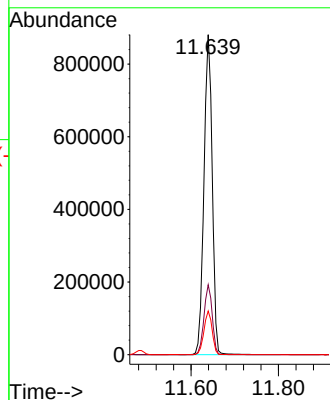
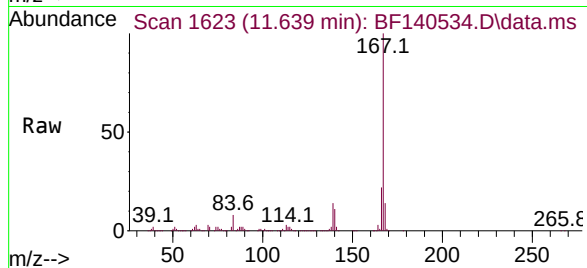




#73  
Carbazole  
Concen: 57.171 ng  
RT: 11.639 min Scan# 1623  
Delta R.T. -0.000 min  
Lab File: BF140534.D  
Acq: 21 Nov 2024 13:51

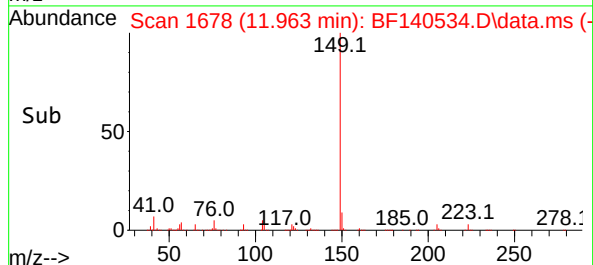
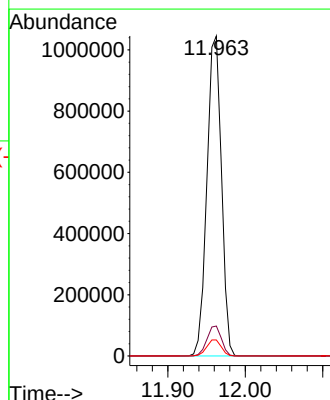
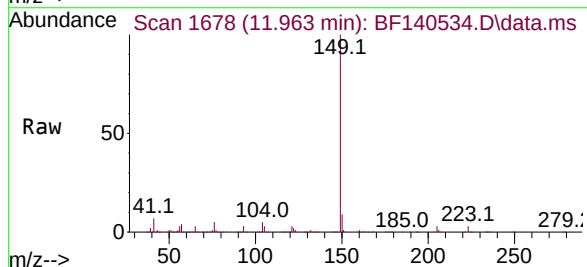
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC060

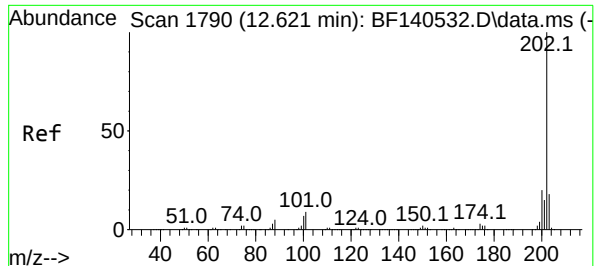
Tgt Ion:167 Resp: 1163411  
Ion Ratio Lower Upper  
167 100  
166 21.8 17.2 25.8  
139 13.6 10.6 15.8



#74  
Di-n-butylphthalate  
Concen: 57.851 ng  
RT: 11.963 min Scan# 1678  
Delta R.T. 0.006 min  
Lab File: BF140534.D  
Acq: 21 Nov 2024 13:51

Tgt Ion:149 Resp: 1359134  
Ion Ratio Lower Upper  
149 100  
150 9.4 7.5 11.3  
104 5.0 4.1 6.1

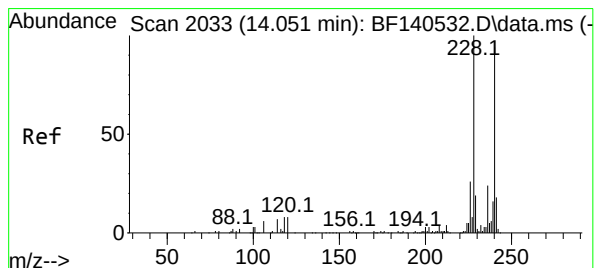
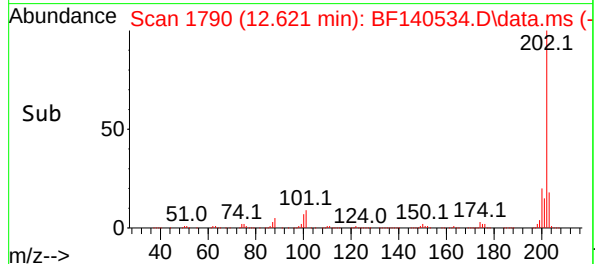
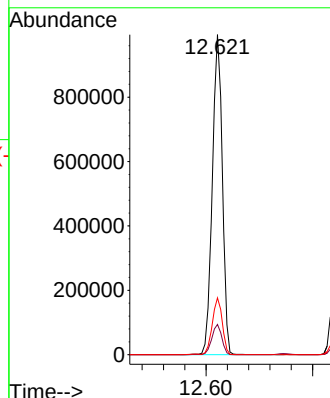
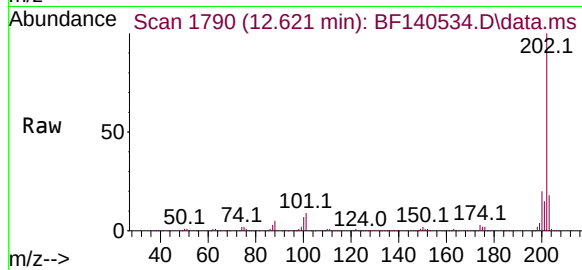




#75  
Fluoranthene  
Concen: 55.323 ng  
RT: 12.621 min Scan# 1790  
Delta R.T. -0.000 min  
Lab File: BF140534.D  
Acq: 21 Nov 2024 13:51

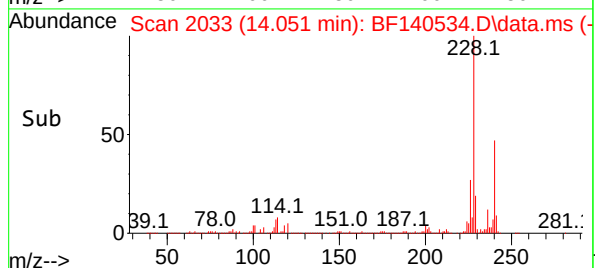
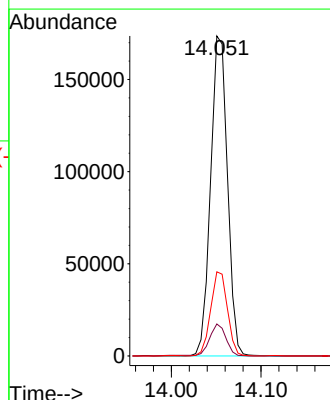
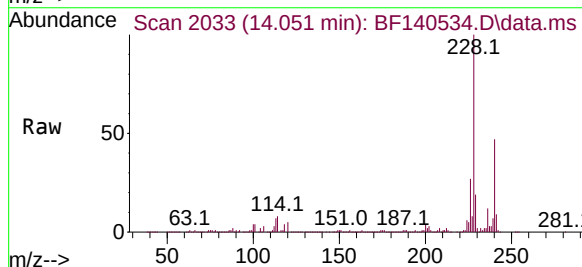
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC060

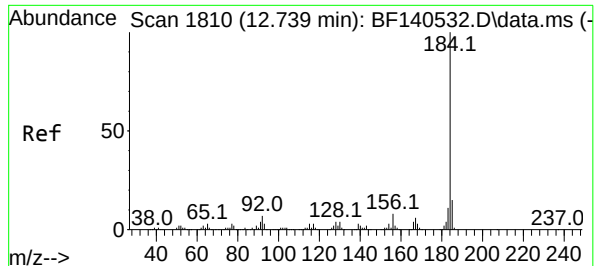
Tgt Ion:202 Resp: 1298953  
Ion Ratio Lower Upper  
202 100  
101 9.4 0.0 28.9  
203 17.7 0.0 37.6



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.051 min Scan# 2033  
Delta R.T. -0.000 min  
Lab File: BF140534.D  
Acq: 21 Nov 2024 13:51

Tgt Ion:240 Resp: 226512  
Ion Ratio Lower Upper  
240 100  
120 10.0 7.3 10.9  
236 26.3 20.6 31.0





#77

Benzidine

Concen: 105.771 ng

RT: 12.745 min Scan# 1811

Delta R.T. 0.006 min

Lab File: BF140534.D

Acq: 21 Nov 2024 13:51

Instrument :

BNA\_F

ClientSampleId :

SSTDICC060

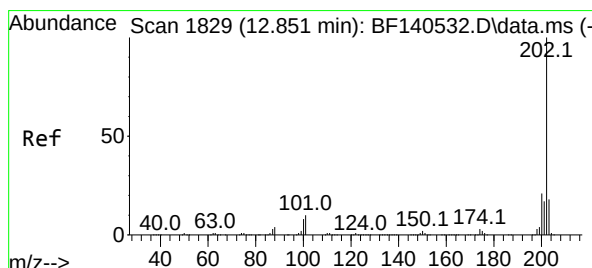
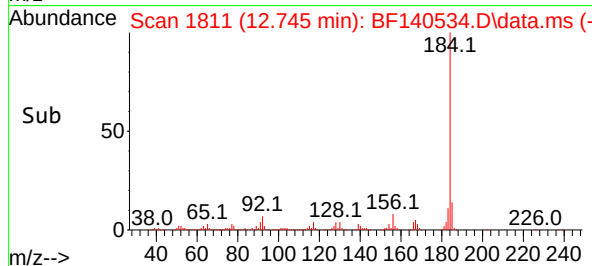
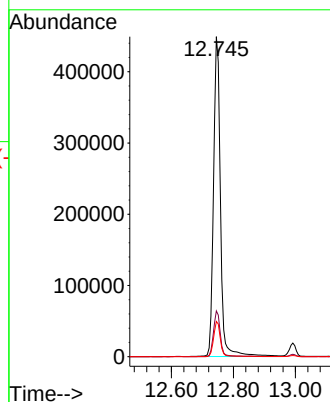
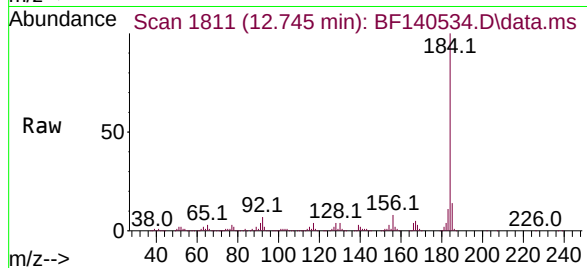
Tgt Ion:184 Resp: 696576

Ion Ratio Lower Upper

184 100

185 14.3 11.7 17.5

183 11.0 8.8 13.2



#78

Pyrene

Concen: 61.591 ng

RT: 12.851 min Scan# 1829

Delta R.T. -0.000 min

Lab File: BF140534.D

Acq: 21 Nov 2024 13:51

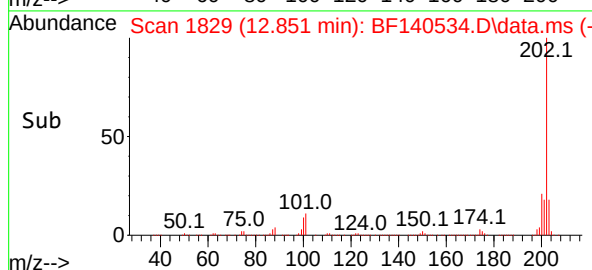
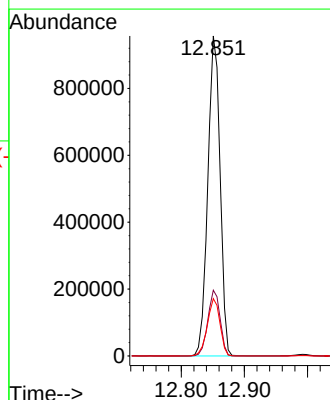
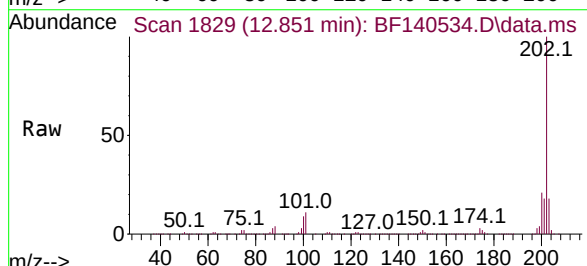
Tgt Ion:202 Resp: 1289961

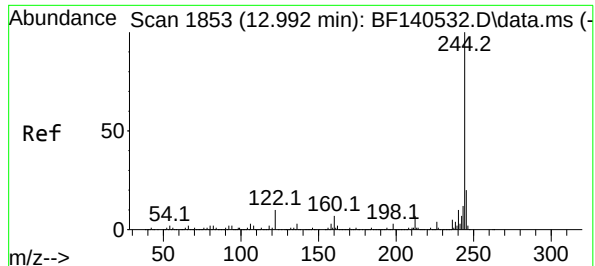
Ion Ratio Lower Upper

202 100

200 20.6 16.5 24.7

203 17.9 14.2 21.4





#79

Terphenyl-d14

Concen: 122.638 ng

RT: 12.992 min Scan# 1853

Delta R.T. -0.000 min

Lab File: BF140534.D

Acq: 21 Nov 2024 13:51

Instrument :

BNA\_F

ClientSampleId :

SSTDICC060

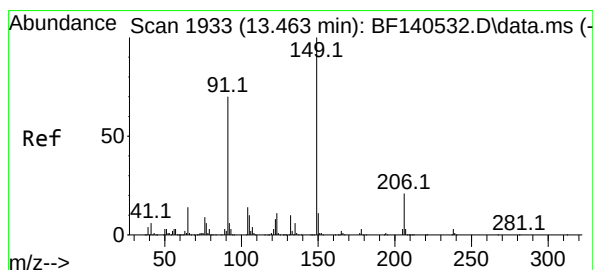
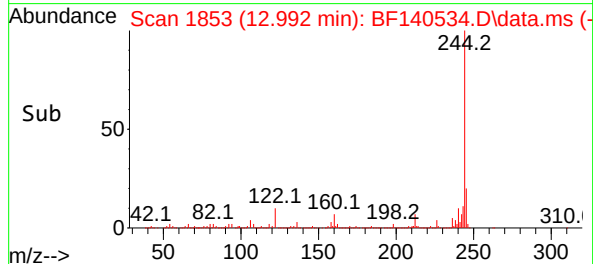
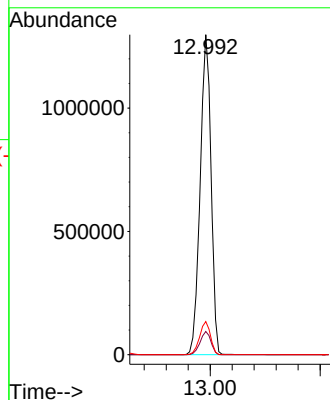
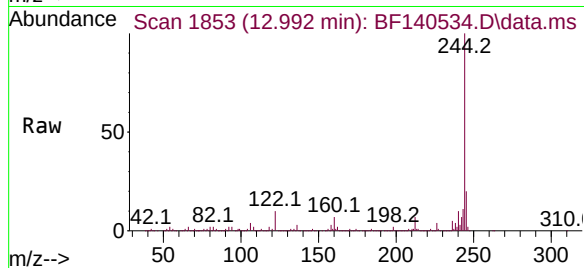
Tgt Ion:244 Resp: 1783980

Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.8

122 10.4 8.0 12.0



#80

Butylbenzylphthalate

Concen: 60.743 ng

RT: 13.463 min Scan# 1933

Delta R.T. -0.000 min

Lab File: BF140534.D

Acq: 21 Nov 2024 13:51

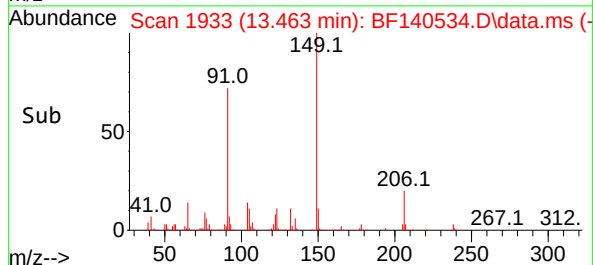
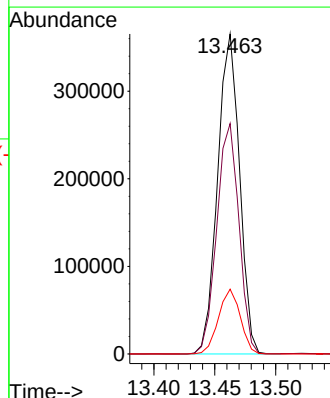
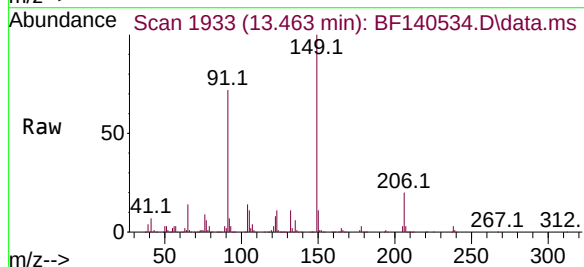
Tgt Ion:149 Resp: 458296

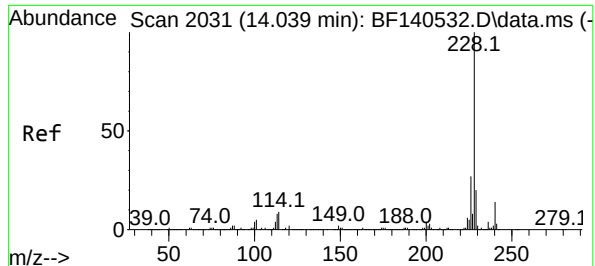
Ion Ratio Lower Upper

149 100

91 72.0 56.2 84.2

206 20.3 16.4 24.6

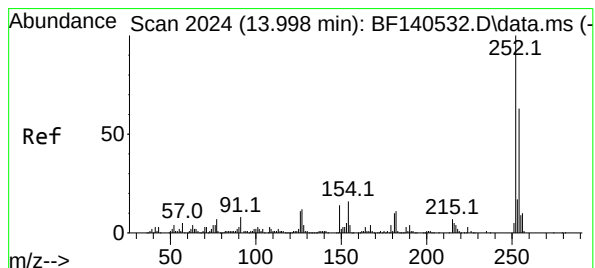
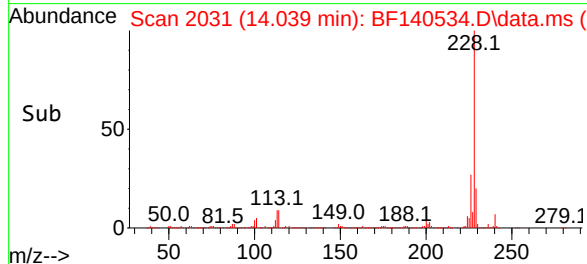
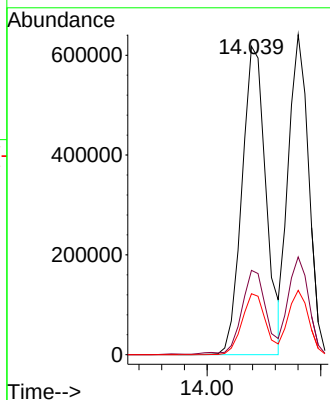
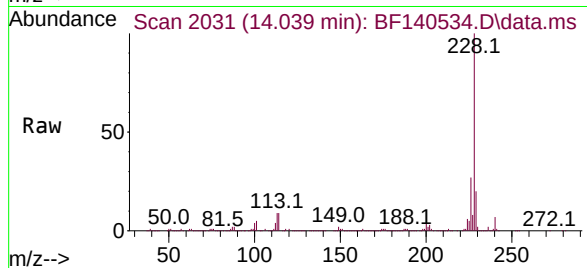




#81  
Benzo(a)anthracene  
Concen: 60.640 ng  
RT: 14.039 min Scan# 2031  
Delta R.T. -0.000 min  
Lab File: BF140534.D  
Acq: 21 Nov 2024 13:51

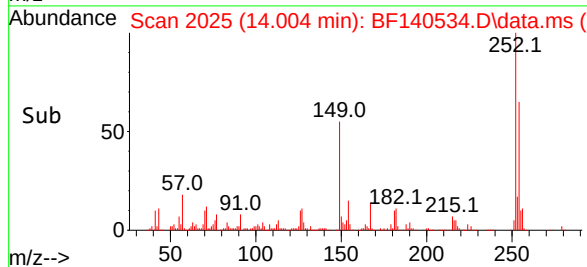
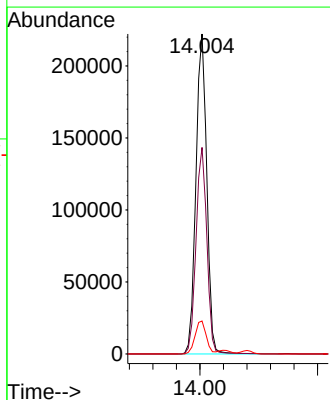
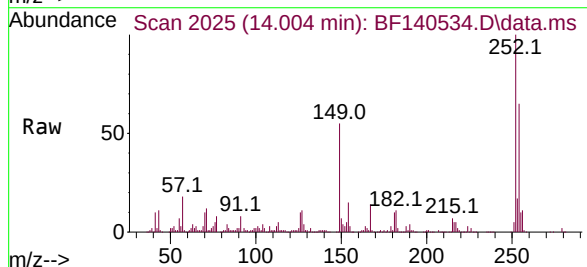
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC060

Tgt Ion:228 Resp: 909243  
Ion Ratio Lower Upper  
228 100  
226 27.3 21.8 32.8  
229 19.8 15.8 23.6

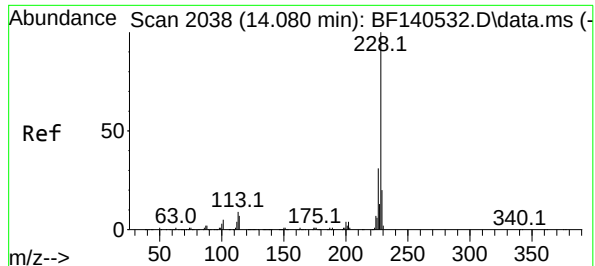


#82  
3,3'-Dichlorobenzidine  
Concen: 63.247 ng  
RT: 14.004 min Scan# 2025  
Delta R.T. 0.006 min  
Lab File: BF140534.D  
Acq: 21 Nov 2024 13:51

Tgt Ion:252 Resp: 284725  
Ion Ratio Lower Upper  
252 100  
254 64.6 50.8 76.2  
126 10.3 8.6 13.0



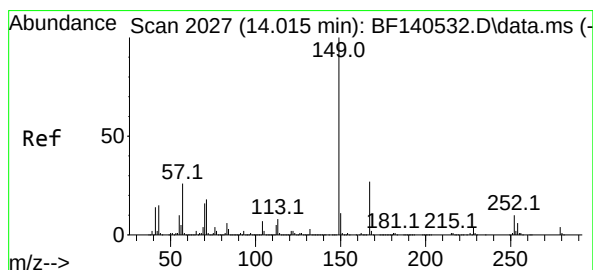
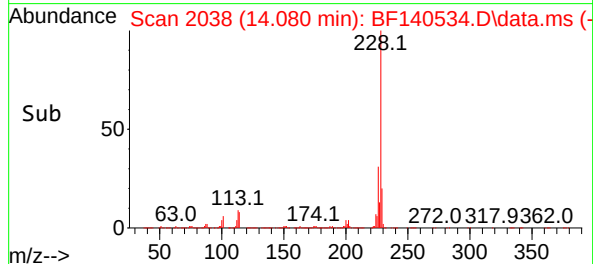
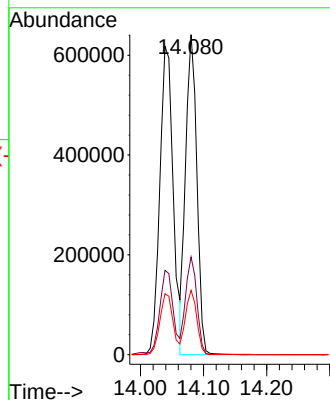
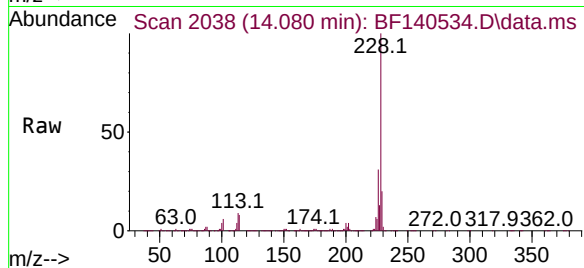




#83  
Chrysene  
Concen: 58.142 ng  
RT: 14.080 min Scan# 2038  
Delta R.T. -0.000 min  
Lab File: BF140534.D  
Acq: 21 Nov 2024 13:51

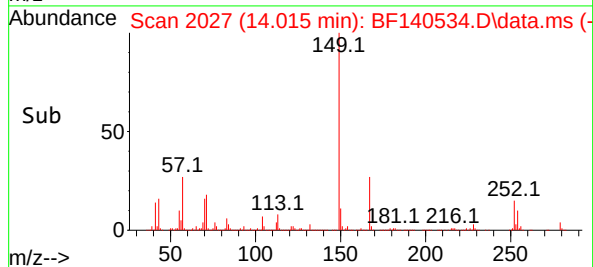
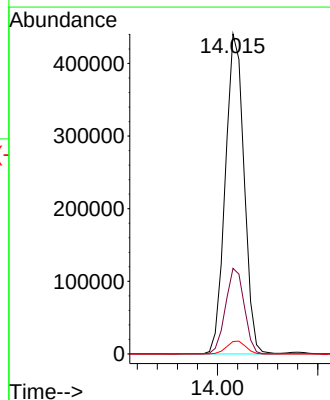
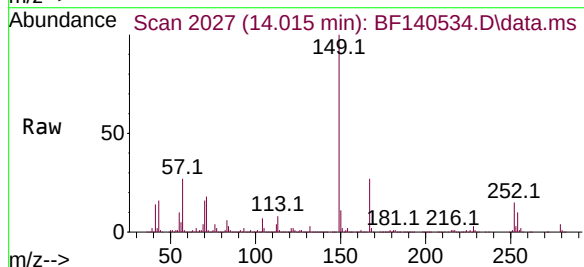
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC060

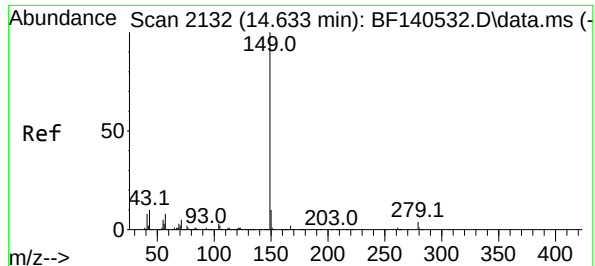
| Tgt Ion | 228    | 226  | 229  |
|---------|--------|------|------|
| Resp    | 797151 |      |      |
| Ratio   | 100    | 30.6 | 20.1 |
| Lower   |        | 24.4 | 15.8 |
| Upper   |        | 36.6 | 23.6 |



#84  
Bis(2-ethylhexyl)phthalate  
Concen: 59.983 ng  
RT: 14.015 min Scan# 2027  
Delta R.T. -0.000 min  
Lab File: BF140534.D  
Acq: 21 Nov 2024 13:51

| Tgt Ion | 149    | 167  | 279 |
|---------|--------|------|-----|
| Resp    | 571450 |      |     |
| Ratio   | 100    | 26.7 | 3.9 |
| Lower   |        | 21.2 | 3.2 |
| Upper   |        | 31.8 | 4.8 |

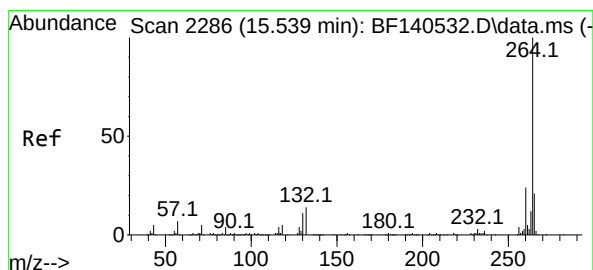
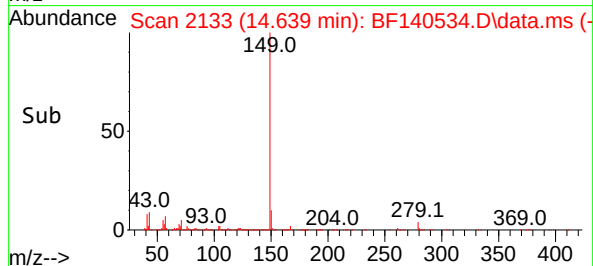
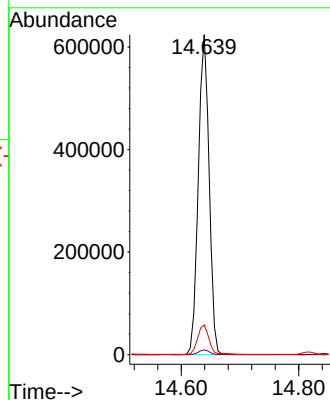
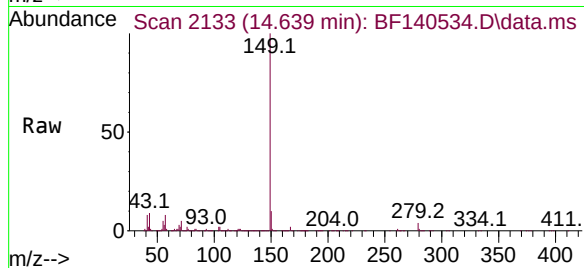




#85  
Di-n-octyl phthalate  
Concen: 61.012 ng  
RT: 14.639 min Scan# 2132  
Delta R.T. 0.006 min  
Lab File: BF140534.D  
Acq: 21 Nov 2024 13:51

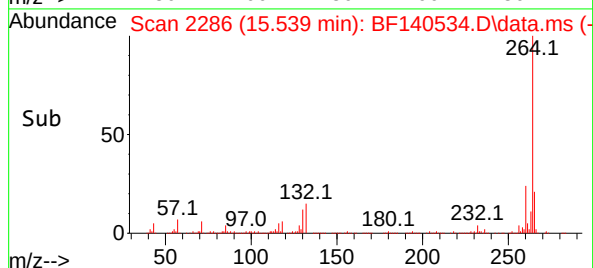
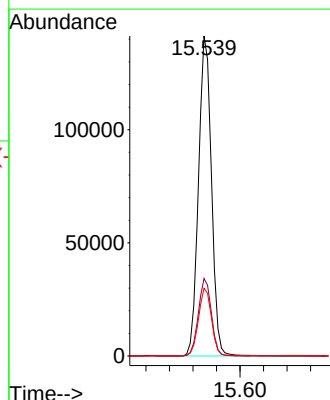
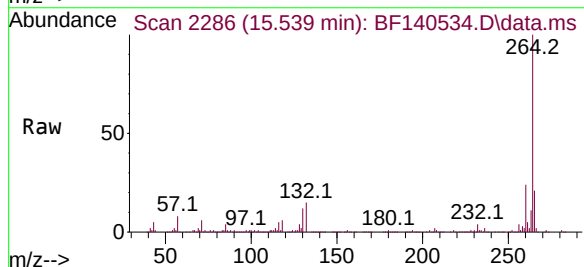
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC060

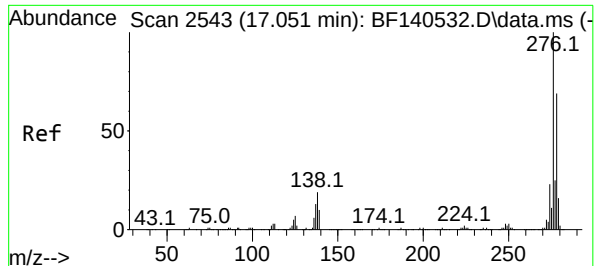
Tgt Ion:149 Resp: 794359  
Ion Ratio Lower Upper  
149 100  
167 1.6 1.3 1.9  
43 9.7 7.7 11.5



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.539 min Scan# 2286  
Delta R.T. -0.000 min  
Lab File: BF140534.D  
Acq: 21 Nov 2024 13:51

Tgt Ion:264 Resp: 216239  
Ion Ratio Lower Upper  
264 100  
260 24.2 19.0 28.6  
265 21.1 16.6 25.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 64.878 ng

RT: 17.062 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF140534.D

Acq: 21 Nov 2024 13:51

Instrument :

BNA\_F

ClientSampleId :

SSTDICC060

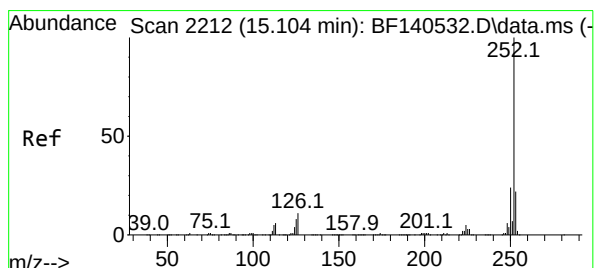
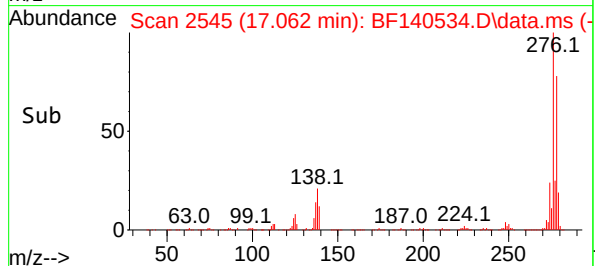
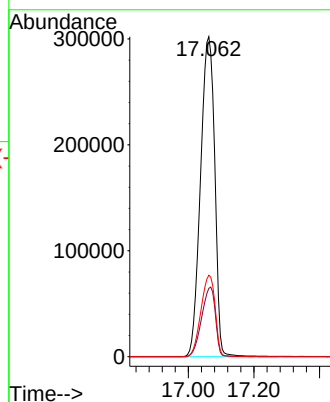
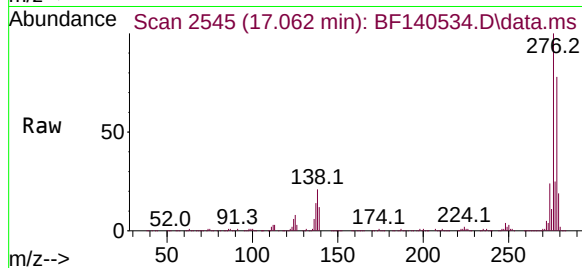
Tgt Ion:276 Resp: 914265

Ion Ratio Lower Upper

276 100

138 21.0 15.5 23.3

277 25.4 20.1 30.1



#88

Benzo(b)fluoranthene

Concen: 57.648 ng

RT: 15.109 min Scan# 2213

Delta R.T. 0.006 min

Lab File: BF140534.D

Acq: 21 Nov 2024 13:51

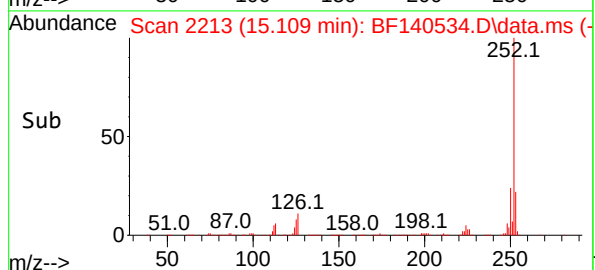
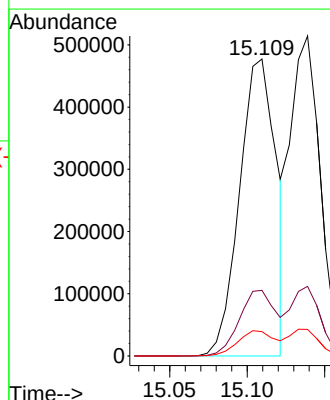
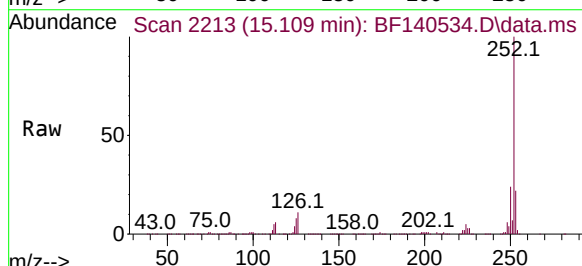
Tgt Ion:252 Resp: 782997

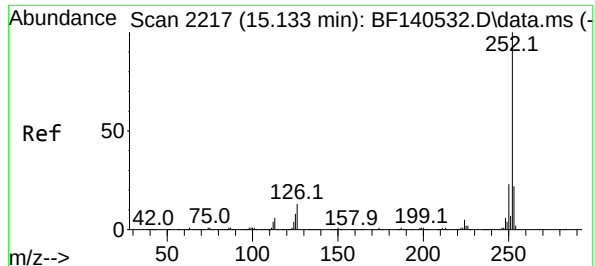
Ion Ratio Lower Upper

252 100

253 22.1 17.2 25.8

125 8.2 6.7 10.1





#89

Benzo(k)fluoranthene

Concen: 57.594 ng

RT: 15.139 min Scan# 2217

Delta R.T. 0.006 min

Lab File: BF140534.D

Acq: 21 Nov 2024 13:51

Instrument :

BNA\_F

ClientSampleId :

SSTDICC060

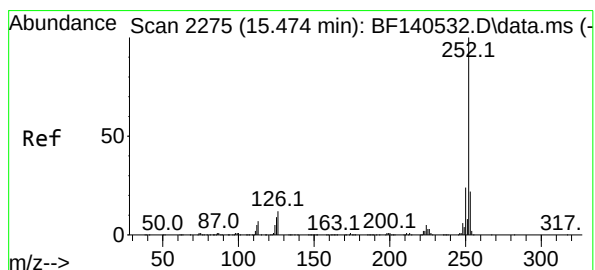
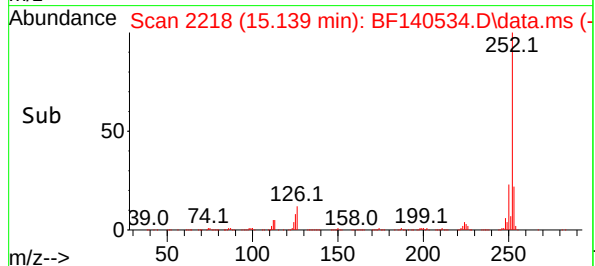
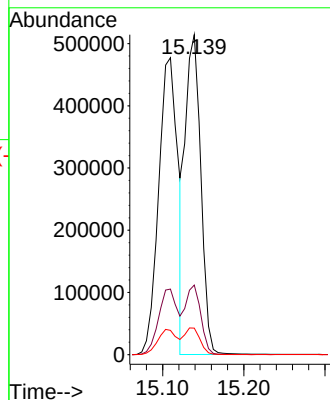
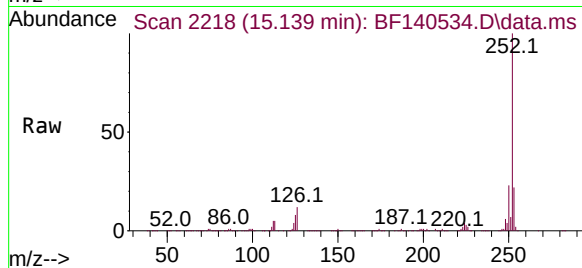
Tgt Ion:252 Resp: 684548

Ion Ratio Lower Upper

252 100

253 21.8 17.5 26.3

125 8.3 6.5 9.7



#90

Benzo(a)pyrene

Concen: 59.538 ng

RT: 15.480 min Scan# 2276

Delta R.T. 0.006 min

Lab File: BF140534.D

Acq: 21 Nov 2024 13:51

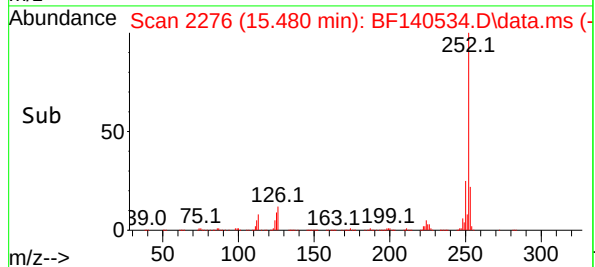
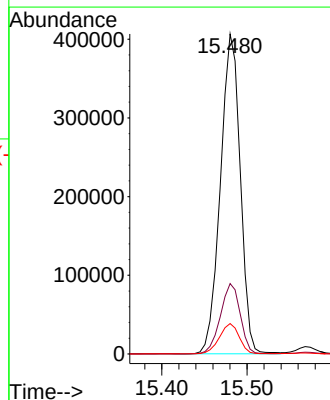
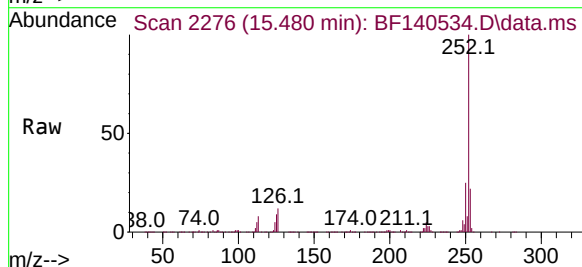
Tgt Ion:252 Resp: 657502

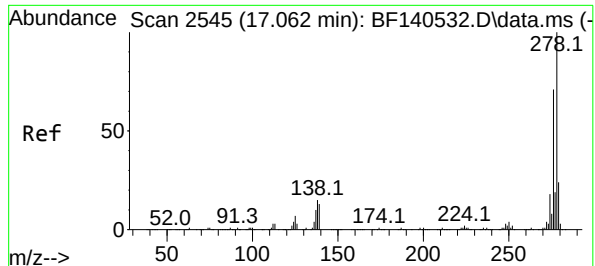
Ion Ratio Lower Upper

252 100

253 22.0 17.3 25.9

125 9.5 7.0 10.6

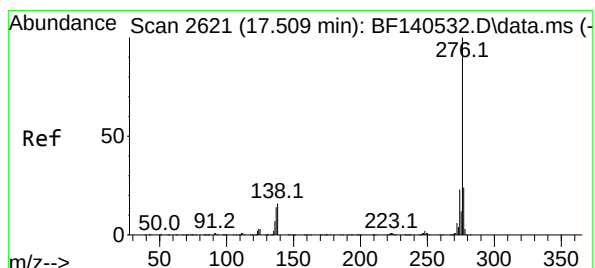
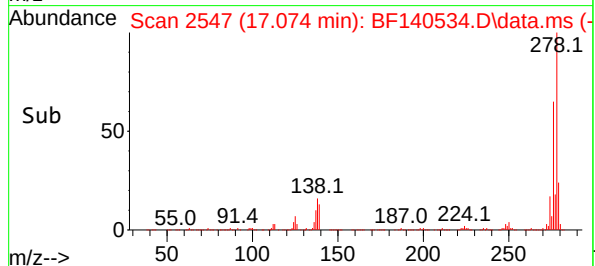
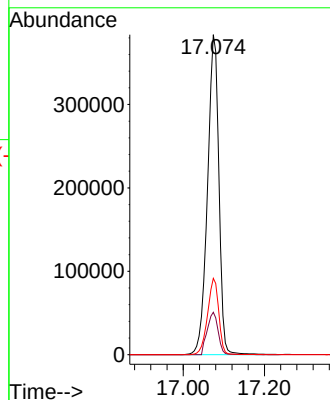
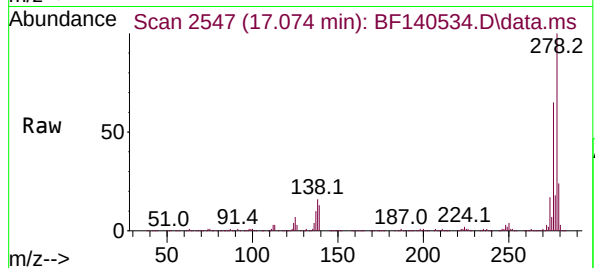




#91  
Dibenzo(a,h)anthracene  
Concen: 64.606 ng  
RT: 17.074 min Scan# 2545  
Delta R.T. 0.012 min  
Lab File: BF140534.D  
Acq: 21 Nov 2024 13:51

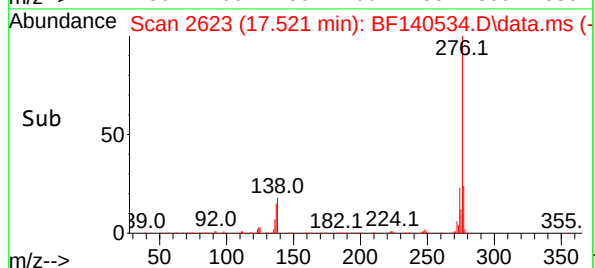
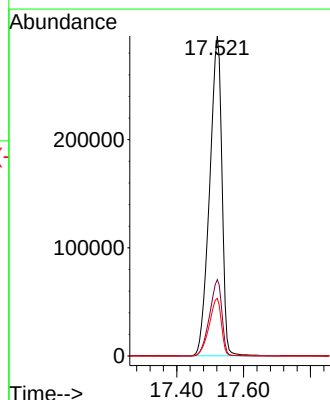
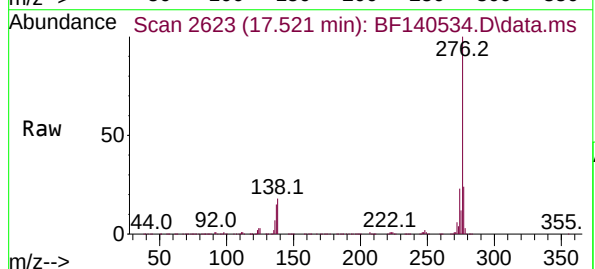
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC060

Tgt Ion:278 Resp: 745614  
Ion Ratio Lower Upper  
278 100  
139 13.2 10.2 15.4  
279 23.8 18.9 28.3



#92  
Benzo(g,h,i)perylene  
Concen: 63.978 ng  
RT: 17.521 min Scan# 2623  
Delta R.T. 0.012 min  
Lab File: BF140534.D  
Acq: 21 Nov 2024 13:51

Tgt Ion:276 Resp: 753452  
Ion Ratio Lower Upper  
276 100  
277 23.9 18.9 28.3  
138 18.0 13.2 19.8



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF112124\  
 Data File : BF140535.D  
 Acq On : 21 Nov 2024 14:18  
 Operator : RC/JU  
 Sample : SSTDICC080  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDICC080

Quant Time: Nov 21 15:15:15 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF112124.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Nov 21 14:50:10 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.875  | 152  | 111872   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.157  | 136  | 386311   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.916  | 164  | 207499   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.404 | 188  | 377113   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.057 | 240  | 187912   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.539 | 264  | 185457   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.510  | 112  | 976816   | 148.979 | ng    | 0.01     |
| 7) Phenol-d6                  | 6.528  | 99   | 1259345  | 145.284 | ng    | 0.01     |
| 23) Nitrobenzene-d5           | 7.451  | 82   | 1184453  | 156.830 | ng    | 0.01     |
| 42) 2,4,6-Tribromophenol      | 10.710 | 330  | 350473   | 157.926 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.234  | 172  | 2050501  | 147.236 | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.992 | 244  | 1884646  | 156.171 | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.663  | 88   | 213294   | 77.371  | ng    | 100      |
| 3) Pyridine                   | 3.434  | 79   | 504657   | 83.201  | ng    | 98       |
| 4) n-Nitrosodimethylamine     | 3.416  | 42   | 295436   | 82.873  | ng    | 99       |
| 6) Aniline                    | 6.551  | 93   | 373764   | 61.261  | ng    | # 66     |
| 8) 2-Chlorophenol             | 6.675  | 128  | 512168   | 72.606  | ng    | 97       |
| 10) Phenol                    | 6.545  | 94   | 633910   | 71.609  | ng    | 99       |
| 11) bis(2-Chloroethyl)ether   | 6.622  | 93   | 509142   | 75.160  | ng    | 100      |
| 12) 1,3-Dichlorobenzene       | 6.822  | 146  | 576538   | 72.737  | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 6.893  | 146  | 587901   | 73.253  | ng    | 98       |
| 14) 1,2-Dichlorobenzene       | 7.051  | 146  | 541244   | 71.971  | ng    | 99       |
| 15) Benzyl Alcohol            | 7.028  | 79   | 469135   | 72.980  | ng    | 98       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.151  | 45   | 571163   | 71.370  | ng    | 89       |
| 17) 2-Methylphenol            | 7.140  | 107  | 412367   | 73.028  | ng    | 97       |
| 18) Hexachloroethane          | 7.387  | 117  | 223281   | 74.489  | ng    | 98       |
| 19) n-Nitroso-di-n-propyla... | 7.304  | 70   | 370745   | 72.370  | ng    | 97       |
| 20) 3+4-Methylphenols         | 7.298  | 107  | 516442   | 71.155  | ng    | 91       |
| 22) Acetophenone              | 7.292  | 105  | 722622   | 76.727  | ng    | # 98     |
| 24) Nitrobenzene              | 7.469  | 77   | 605207   | 77.534  | ng    | 98       |
| 25) Isophorone                | 7.704  | 82   | 981772   | 77.937  | ng    | 100      |
| 26) 2-Nitrophenol             | 7.775  | 139  | 277762   | 80.298  | ng    | 98       |
| 27) 2,4-Dimethylphenol        | 7.816  | 122  | 336239   | 81.241  | ng    | 100      |
| 28) bis(2-Chloroethoxy)met... | 7.904  | 93   | 591884   | 77.128  | ng    | 100      |
| 29) 2,4-Dichlorophenol        | 8.022  | 162  | 418686   | 76.344  | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 8.098  | 180  | 482134   | 76.997  | ng    | 99       |
| 31) Naphthalene               | 8.181  | 128  | 1498520  | 75.309  | ng    | 100      |
| 32) Benzoic acid              | 7.981  | 122  | 312770   | 81.021  | ng    | 99       |
| 33) 4-Chloroaniline           | 8.239  | 127  | 446235   | 74.901  | ng    | 99       |
| 34) Hexachlorobutadiene       | 8.292  | 225  | 315951   | 76.179  | ng    | 99       |
| 35) Caprolactam               | 8.634  | 113  | 127641   | 75.207  | ng    | 99       |
| 36) 4-Chloro-3-methylphenol   | 8.728  | 107  | 465184   | 75.759  | ng    | 100      |
| 37) 2-Methylnaphthalene       | 8.869  | 142  | 949611   | 75.136  | ng    | 100      |
| 38) 1-Methylnaphthalene       | 8.969  | 142  | 928964   | 74.987  | ng    | 100      |
| 40) 1,2,4,5-Tetrachloroben... | 9.039  | 216  | 468632   | 77.147  | ng    | 100      |
| 41) Hexachlorocyclopentadiene | 9.022  | 237  | 110015   | 80.520  | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 9.157  | 196  | 302826   | 79.446  | ng    | 99       |
| 44) 2,4,5-Trichlorophenol     | 9.204  | 196  | 325549   | 78.696  | ng    | 98       |

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 Data File : BF140535.D  
 Acq On : 21 Nov 2024 14:18  
 Operator : RC/JU  
 Sample : SSTDICC080  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDICC080

Quant Time: Nov 21 15:15:15 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF112124.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Nov 21 14:50:10 2024  
 Response via : Initial Calibration

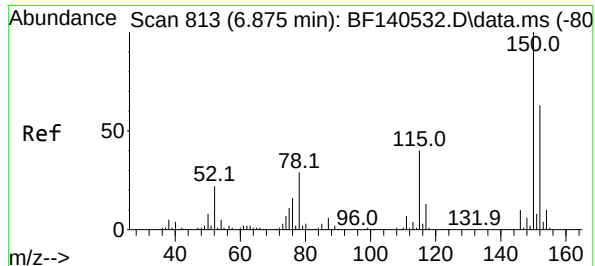
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 46) 1,1'-Biphenyl             | 9.339  | 154  | 1164092  | 75.141  | ng    | 98       |
| 47) 2-Chloronaphthalene       | 9.363  | 162  | 905645   | 77.151  | ng    | 100      |
| 48) 2-Nitroaniline            | 9.463  | 65   | 297813   | 79.040  | ng    | 99       |
| 49) Acenaphthylene            | 9.781  | 152  | 1319777  | 74.411  | ng    | 99       |
| 50) Dimethylphthalate         | 9.645  | 163  | 1041011  | 76.177  | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 9.710  | 165  | 237697   | 76.693  | ng    | 96       |
| 52) Acenaphthene              | 9.951  | 154  | 851353   | 74.130  | ng    | 99       |
| 53) 3-Nitroaniline            | 9.881  | 138  | 217122   | 71.627  | ng    | 95       |
| 54) 2,4-Dinitrophenol         | 9.986  | 184  | 127923   | 79.725  | ng    | 98       |
| 55) Dibenzofuran              | 10.122 | 168  | 1252581  | 72.868  | ng    | 98       |
| 56) 4-Nitrophenol             | 10.051 | 139  | 172406   | 83.396  | ng    | 97       |
| 57) 2,4-Dinitrotoluene        | 10.116 | 165  | 314478   | 76.346  | ng    | 96       |
| 58) Fluorene                  | 10.469 | 166  | 1004537  | 72.805  | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.245 | 232  | 258582   | 81.333  | ng    | 97       |
| 60) Diethylphthalate          | 10.339 | 149  | 1023948  | 73.747  | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 10.457 | 204  | 496862   | 73.378  | ng    | 98       |
| 62) 4-Nitroaniline            | 10.504 | 138  | 241223   | 75.874  | ng    | 99       |
| 63) Azobenzene                | 10.616 | 77   | 978891   | 74.448  | ng    | 99       |
| 65) 4,6-Dinitro-2-methylph... | 10.528 | 198  | 170169   | 88.305  | ng    | 98       |
| 66) n-Nitrosodiphenylamine    | 10.581 | 169  | 842038   | 75.504  | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 10.945 | 248  | 298430   | 76.842  | ng    | 98       |
| 68) Hexachlorobenzene         | 11.016 | 284  | 349669   | 77.757  | ng    | 98       |
| 69) Atrazine                  | 11.110 | 200  | 298744   | 95.222  | ng    | 99       |
| 70) Pentachlorophenol         | 11.216 | 266  | 177717   | 89.792  | ng    | 99       |
| 71) Phenanthrene              | 11.433 | 178  | 1329366  | 73.334  | ng    | 100      |
| 72) Anthracene                | 11.486 | 178  | 1295331  | 73.050  | ng    | 100      |
| 73) Carbazole                 | 11.639 | 167  | 1238730  | 72.617  | ng    | 100      |
| 74) Di-n-butylphthalate       | 11.963 | 149  | 1458047  | 74.036  | ng    | 100      |
| 75) Fluoranthene              | 12.622 | 202  | 1389485  | 70.598  | ng    | 99       |
| 77) Benzidine                 | 12.745 | 184  | 564372   | 103.300 | ng    | 100      |
| 78) Pyrene                    | 12.851 | 202  | 1352459  | 77.840  | ng    | 100      |
| 80) Butylbenzylphthalate      | 13.463 | 149  | 481834   | 76.981  | ng    | 99       |
| 81) Benzo(a)anthracene        | 14.045 | 228  | 933395   | 75.038  | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 14.004 | 252  | 295857   | 79.219  | ng    | 99       |
| 83) Chrysene                  | 14.080 | 228  | 847578   | 74.518  | ng    | 100      |
| 84) Bis(2-ethylhexyl)phtha... | 14.016 | 149  | 598926   | 75.781  | ng    | 100      |
| 85) Di-n-octyl phthalate      | 14.639 | 149  | 842600   | 78.011  | ng    | 100      |
| 87) Indeno(1,2,3-cd)pyrene    | 17.062 | 276  | 973960   | 80.586  | ng    | 100      |
| 88) Benzo(b)fluoranthene      | 15.104 | 252  | 866416   | 74.378  | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 15.139 | 252  | 726636   | 71.283  | ng    | 100      |
| 90) Benzo(a)pyrene            | 15.480 | 252  | 710060   | 74.969  | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 17.074 | 278  | 789090   | 79.722  | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 17.521 | 276  | 803570   | 79.559  | ng    | 99       |

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

**Instrument :**  
BNA\_F  
**ClientSampleId :**  
SSTDICC080

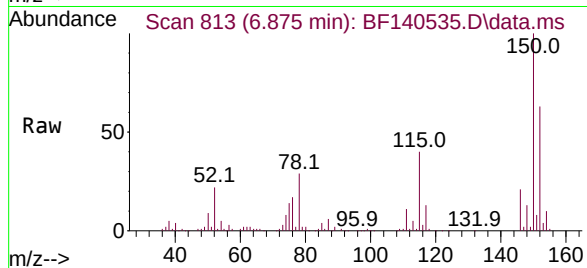
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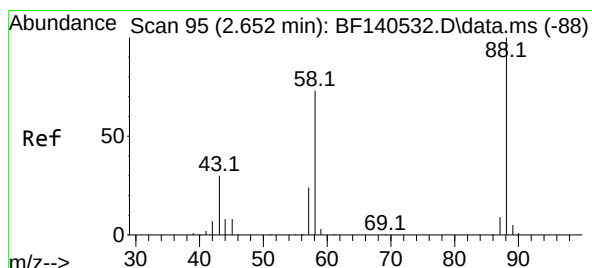
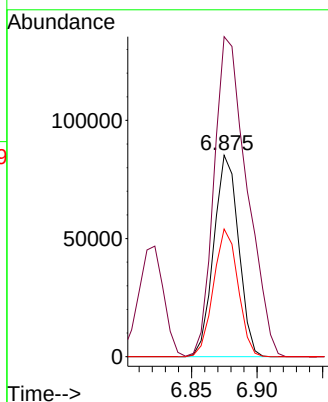
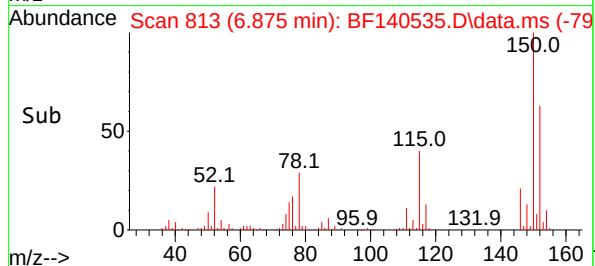


#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.875 min Scan# 81  
Delta R.T. -0.000 min  
Lab File: BF140535.D  
Acq: 21 Nov 2024 14:18

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC080

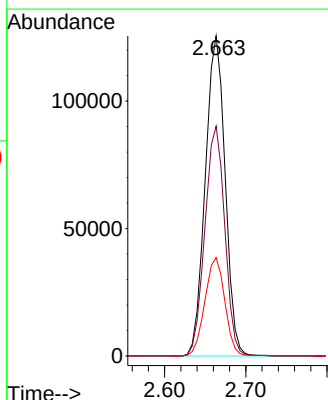
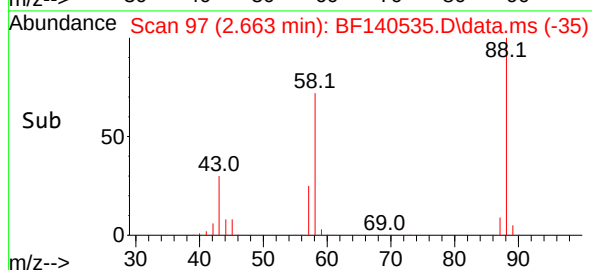
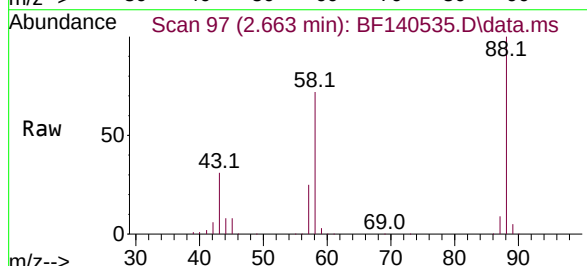


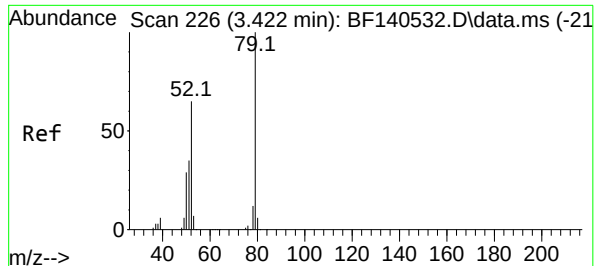
Tgt Ion:152 Resp: 111872  
Ion Ratio Lower Upper  
152 100  
150 158.9 128.5 192.7  
115 63.4 50.2 75.4



#2  
1,4-Dioxane  
Concen: 77.371 ng  
RT: 2.663 min Scan# 97  
Delta R.T. 0.012 min  
Lab File: BF140535.D  
Acq: 21 Nov 2024 14:18

Tgt Ion: 88 Resp: 213294  
Ion Ratio Lower Upper  
88 100  
58 71.8 57.4 86.2  
43 31.0 24.3 36.5





#3

Pyridine

Concen: 83.201 ng

RT: 3.434 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF140535.D

Acq: 21 Nov 2024 14:18

Instrument :

BNA\_F

ClientSampleId :

SSTDICC080

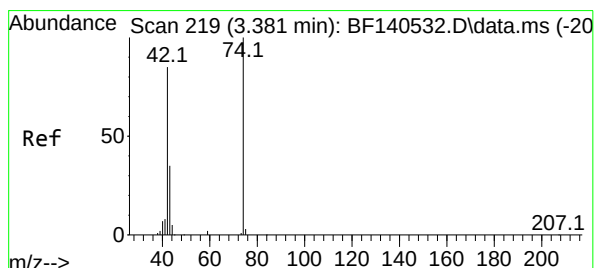
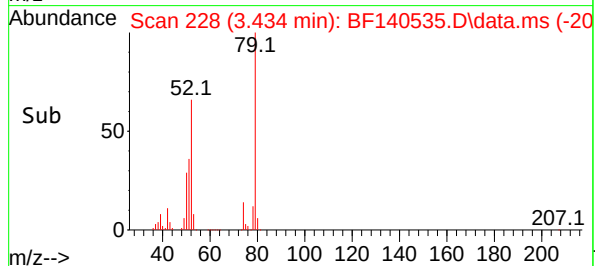
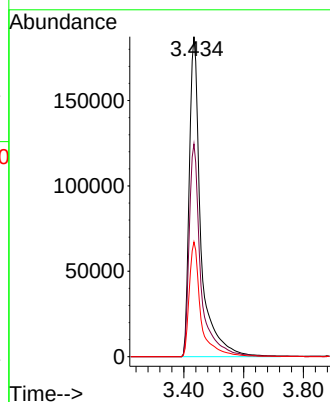
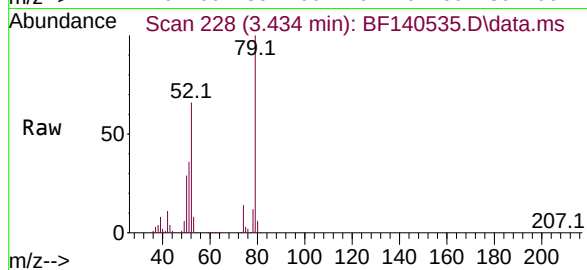
Tgt Ion: 79 Resp: 504657

Ion Ratio Lower Upper

79 100

52 66.5 52.1 78.1

51 35.8 27.8 41.8



#4

n-Nitrosodimethylamine

Concen: 82.873 ng

RT: 3.416 min Scan# 225

Delta R.T. 0.035 min

Lab File: BF140535.D

Acq: 21 Nov 2024 14:18

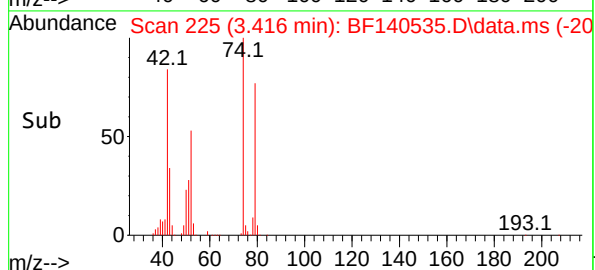
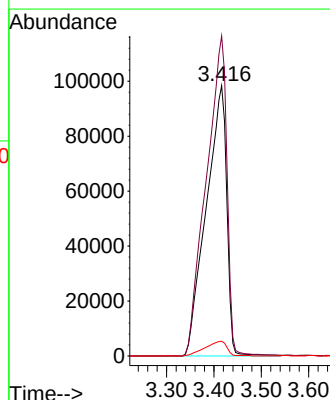
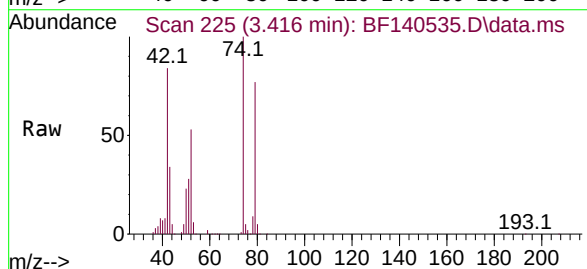
Tgt Ion: 42 Resp: 295436

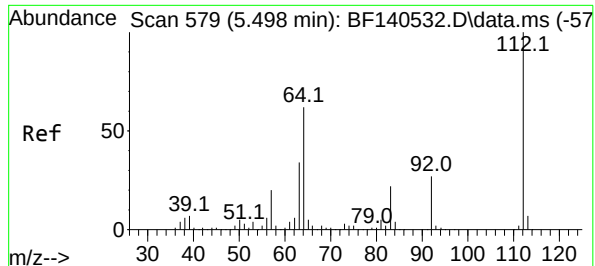
Ion Ratio Lower Upper

42 100

74 118.4 93.8 140.6

44 5.4 4.6 6.8

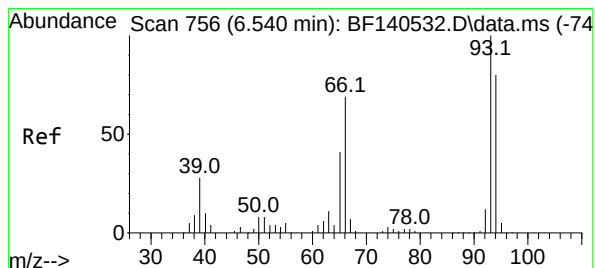
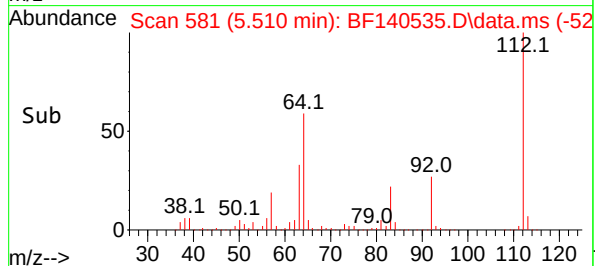
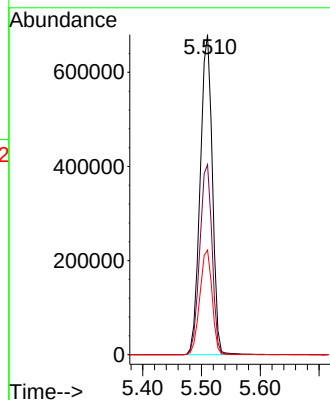
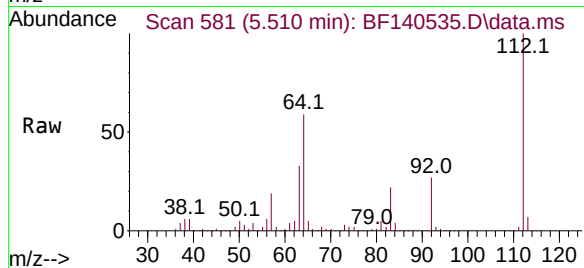




#5  
2-Fluorophenol  
Concen: 148.979 ng  
RT: 5.510 min Scan# 51  
Delta R.T. 0.012 min  
Lab File: BF140535.D  
Acq: 21 Nov 2024 14:18

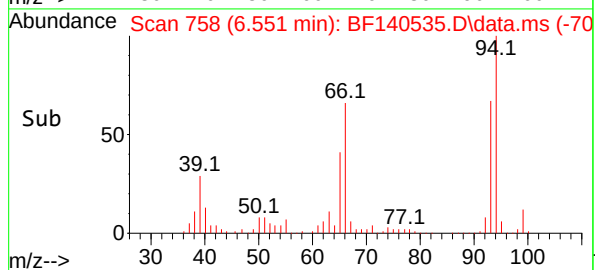
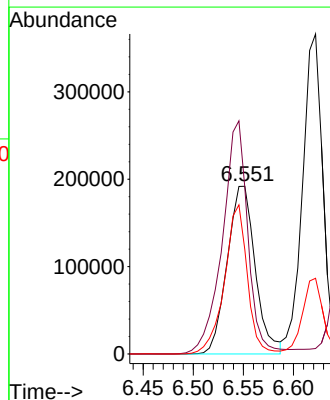
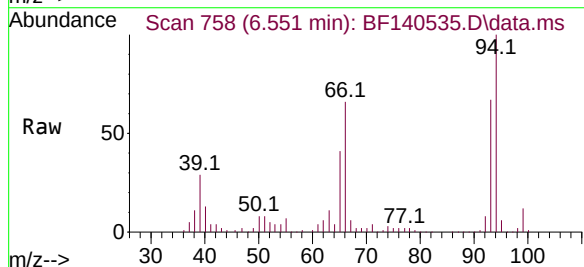
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC080

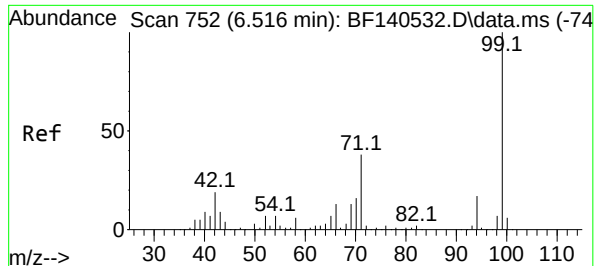
Tgt Ion:112 Resp: 976816  
Ion Ratio Lower Upper  
112 100  
64 59.4 49.2 73.8  
63 32.7 27.0 40.4



#6  
Aniline  
Concen: 61.261 ng  
RT: 6.551 min Scan# 758  
Delta R.T. 0.012 min  
Lab File: BF140535.D  
Acq: 21 Nov 2024 14:18

Tgt Ion: 93 Resp: 373764  
Ion Ratio Lower Upper  
93 100  
66 99.2 56.5 84.7#  
65 62.2 32.9 49.3#





#7

Phenol-d6

Concen: 145.284 ng

RT: 6.528 min Scan# 71

Delta R.T. 0.012 min

Lab File: BF140535.D

Acq: 21 Nov 2024 14:18

Instrument :

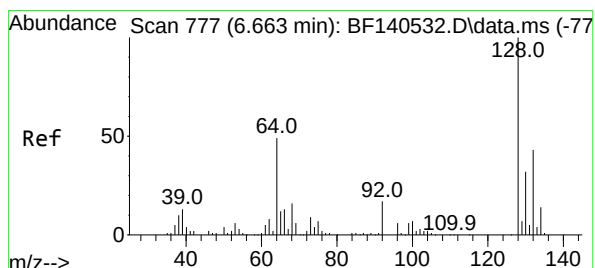
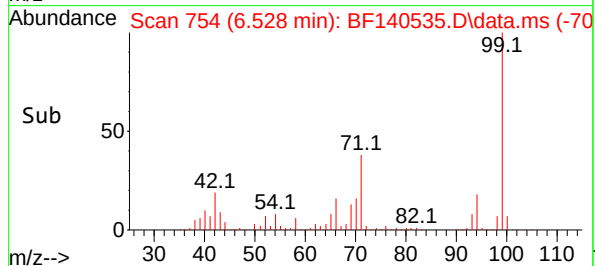
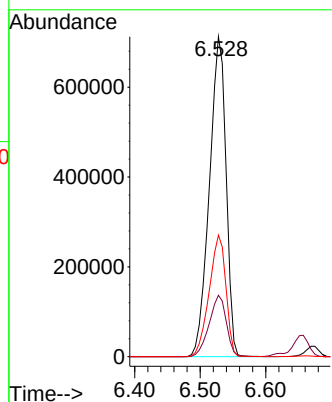
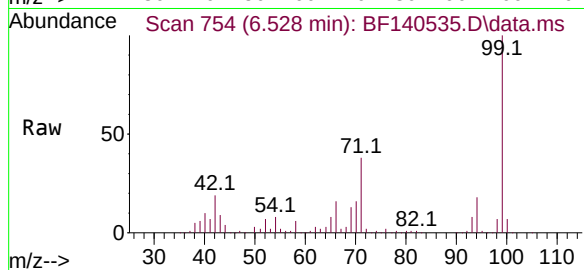
BNA\_F

ClientSampleId :

SSTDICC080

Tgt Ion: 99 Resp: 1259345

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 19.2  | 15.4  | 23.0  |
| 71  | 38.0  | 30.6  | 46.0  |



#8

2-Chlorophenol

Concen: 72.606 ng

RT: 6.675 min Scan# 779

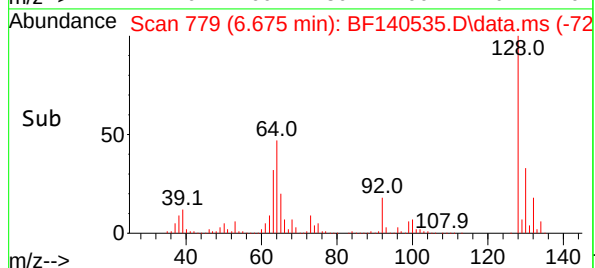
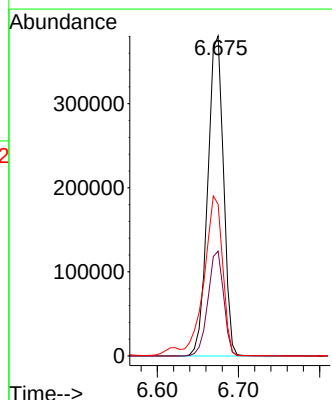
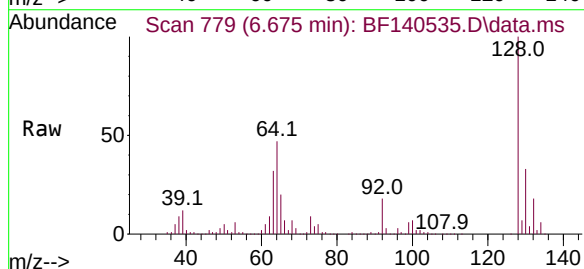
Delta R.T. 0.012 min

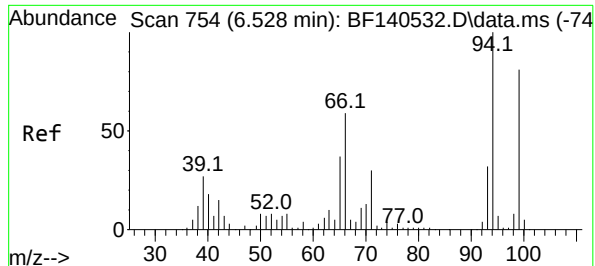
Lab File: BF140535.D

Acq: 21 Nov 2024 14:18

Tgt Ion: 128 Resp: 512168

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 130 | 32.8  | 12.3  | 52.3  |
| 64  | 47.4  | 30.2  | 70.2  |

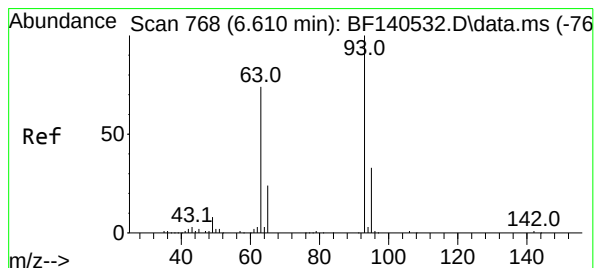
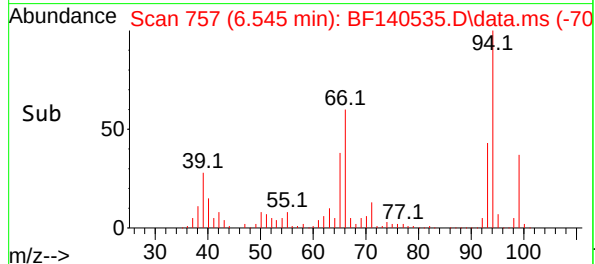
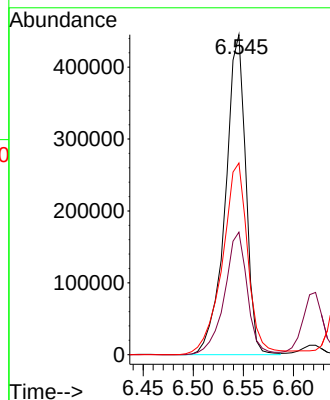
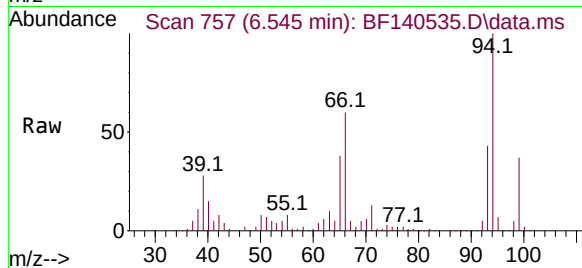




#10  
Phenol  
Concen: 71.609 ng  
RT: 6.545 min Scan# 710  
Delta R.T. 0.018 min  
Lab File: BF140535.D  
Acq: 21 Nov 2024 14:18

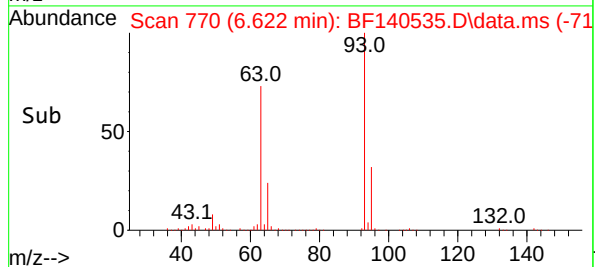
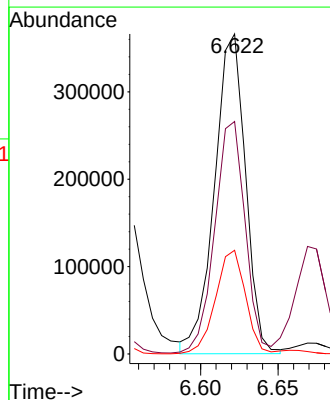
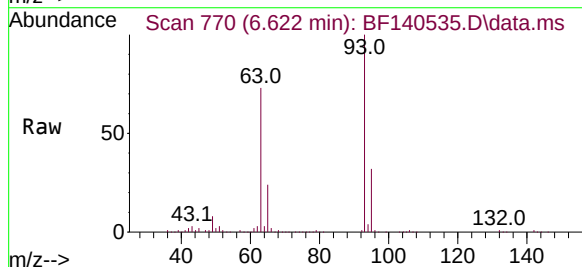
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC080

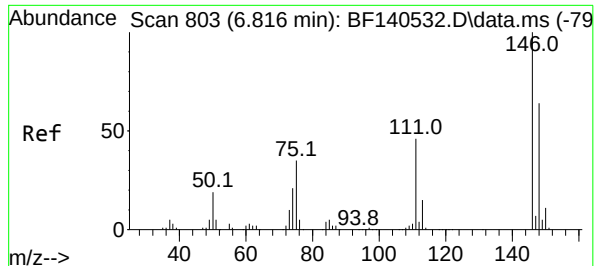
Tgt Ion: 94 Resp: 633910  
Ion Ratio Lower Upper  
94 100  
65 38.3 17.2 57.2  
66 59.9 39.2 79.2



#11  
bis(2-Chloroethyl)ether  
Concen: 75.160 ng  
RT: 6.622 min Scan# 770  
Delta R.T. 0.012 min  
Lab File: BF140535.D  
Acq: 21 Nov 2024 14:18

Tgt Ion: 93 Resp: 509142  
Ion Ratio Lower Upper  
93 100  
63 72.6 52.8 92.8  
95 32.4 12.3 52.3





#12

1,3-Dichlorobenzene

Concen: 72.737 ng

RT: 6.822 min Scan# 803

Delta R.T. 0.006 min

Lab File: BF140535.D

Acq: 21 Nov 2024 14:18

Instrument :

BNA\_F

ClientSampleId :

SSTDICC080

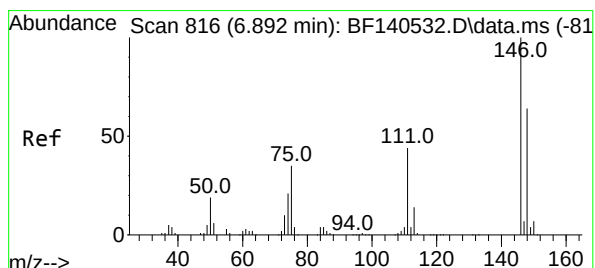
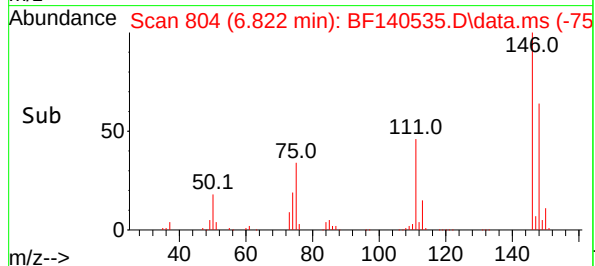
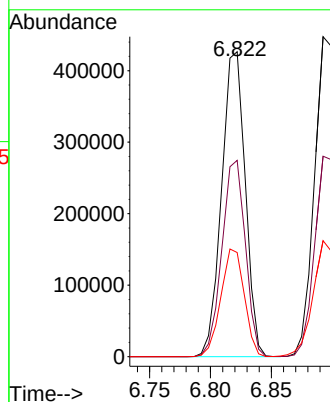
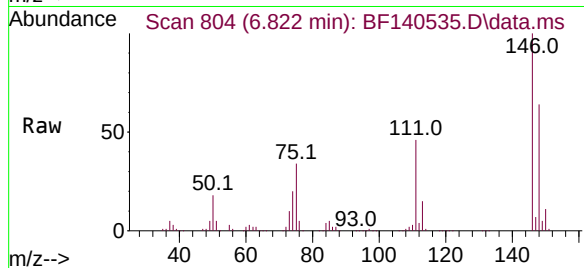
Tgt Ion:146 Resp: 576538

Ion Ratio Lower Upper

146 100

148 64.4 51.3 76.9

75 34.2 28.2 42.2



#13

1,4-Dichlorobenzene

Concen: 73.253 ng

RT: 6.893 min Scan# 816

Delta R.T. 0.000 min

Lab File: BF140535.D

Acq: 21 Nov 2024 14:18

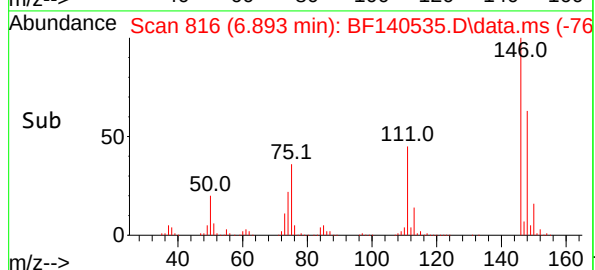
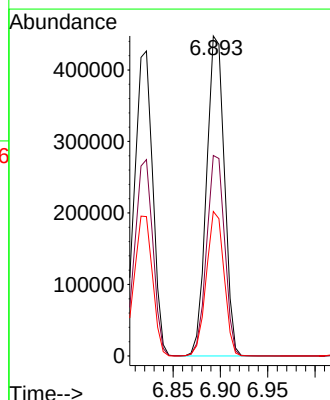
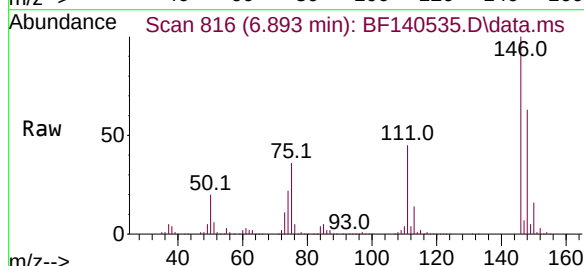
Tgt Ion:146 Resp: 587901

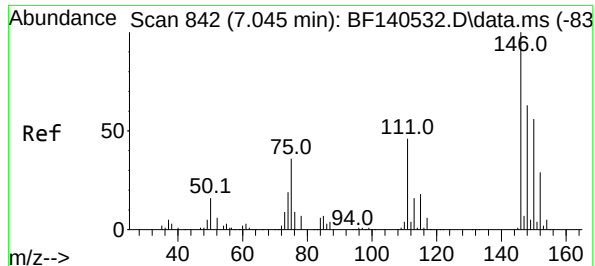
Ion Ratio Lower Upper

146 100

148 62.6 51.0 76.6

111 45.1 35.3 52.9





#14

1,2-Dichlorobenzene

Concen: 71.971 ng

RT: 7.051 min Scan# 84

Delta R.T. 0.006 min

Lab File: BF140535.D

Acq: 21 Nov 2024 14:18

Instrument :

BNA\_F

ClientSampleId :

SSTDICC080

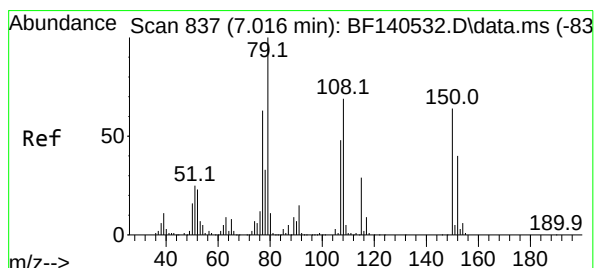
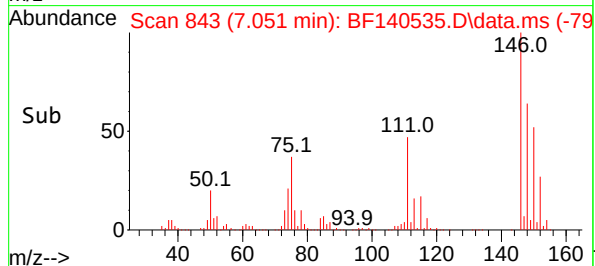
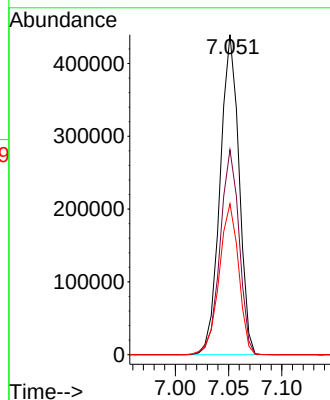
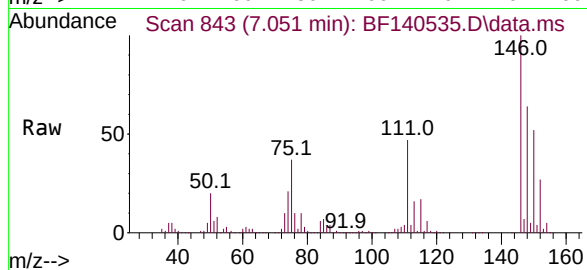
Tgt Ion:146 Resp: 541244

Ion Ratio Lower Upper

146 100

148 64.0 50.5 75.7

111 47.1 36.7 55.1



#15

Benzyl Alcohol

Concen: 72.980 ng

RT: 7.028 min Scan# 839

Delta R.T. 0.012 min

Lab File: BF140535.D

Acq: 21 Nov 2024 14:18

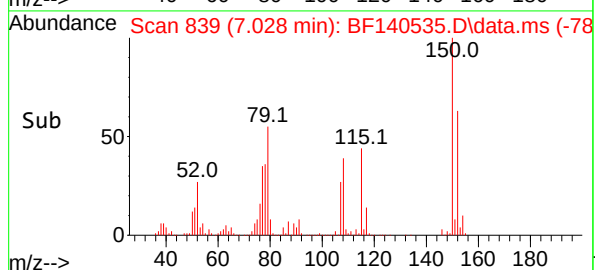
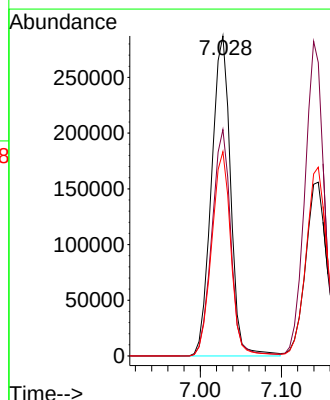
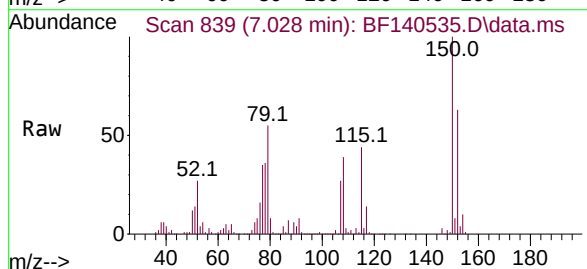
Tgt Ion: 79 Resp: 469135

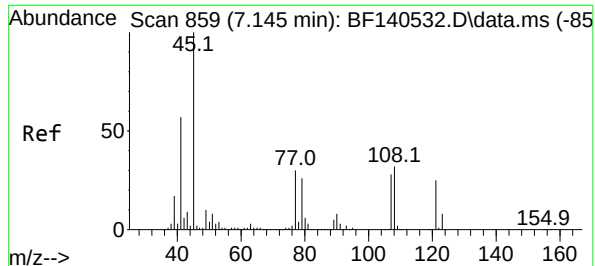
Ion Ratio Lower Upper

79 100

108 70.8 55.0 82.6

77 63.8 50.1 75.1





#16

2,2'-oxybis(1-Chloropropane)

Concen: 71.370 ng

RT: 7.151 min Scan# 8

Delta R.T. 0.006 min

Lab File: BF140535.D

Acq: 21 Nov 2024 14:18

Instrument :

BNA\_F

ClientSampleId :

SSTDICC080

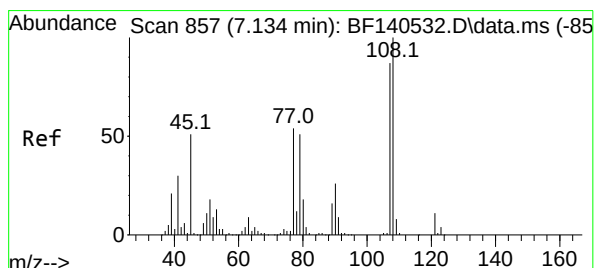
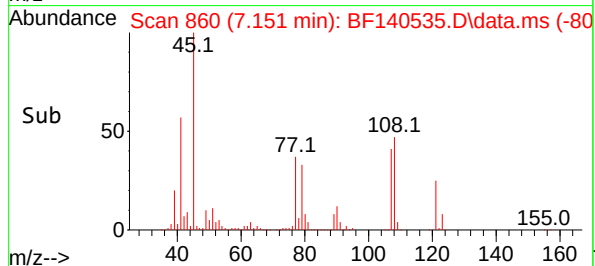
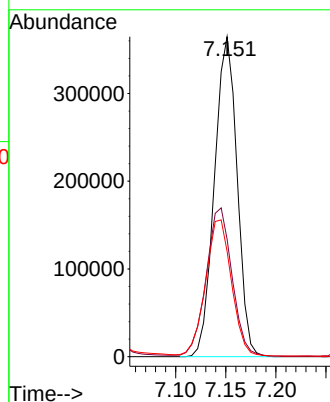
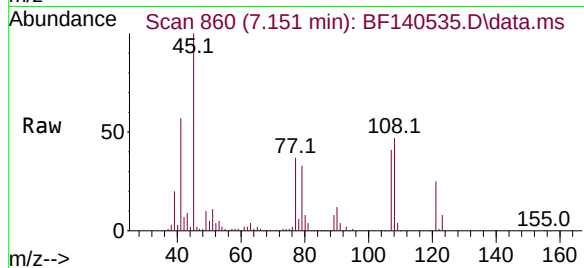
Tgt Ion: 45 Resp: 571163

Ion Ratio Lower Upper

45 100

77 36.8 10.7 50.7

79 32.9 7.0 47.0



#17

2-Methylphenol

Concen: 73.028 ng

RT: 7.140 min Scan# 858

Delta R.T. 0.006 min

Lab File: BF140535.D

Acq: 21 Nov 2024 14:18

Tgt Ion:107 Resp: 412367

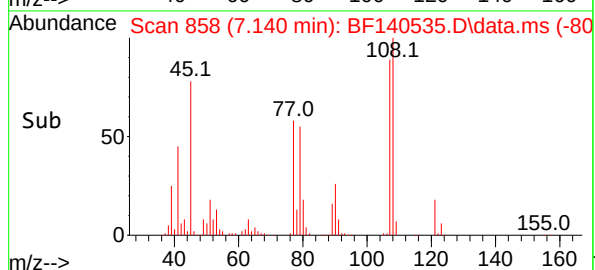
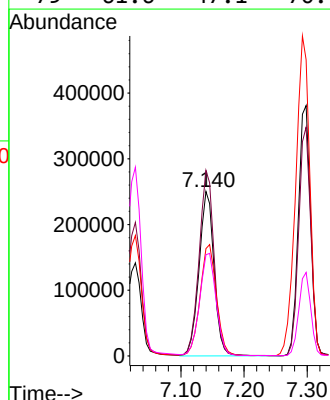
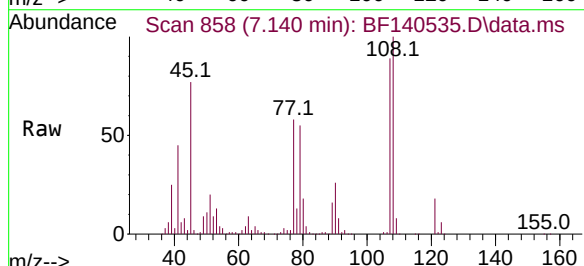
Ion Ratio Lower Upper

107 100

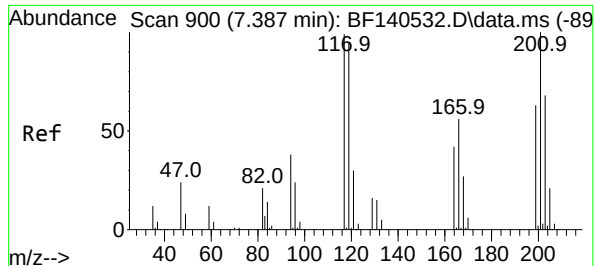
108 112.9 91.7 137.5

77 65.3 49.3 73.9

79 61.6 47.1 70.7







#18

Hexachloroethane

Concen: 74.489 ng

RT: 7.387 min Scan# 900

Delta R.T. 0.000 min

Lab File: BF140535.D

Acq: 21 Nov 2024 14:18

Instrument :

BNA\_F

ClientSampleId :

SSTDICC080

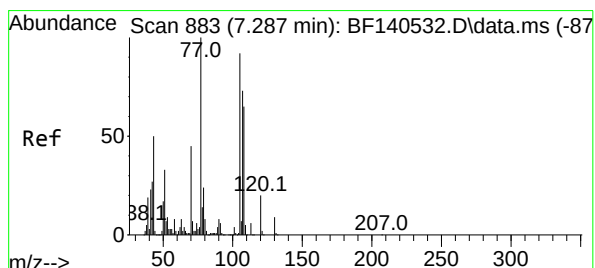
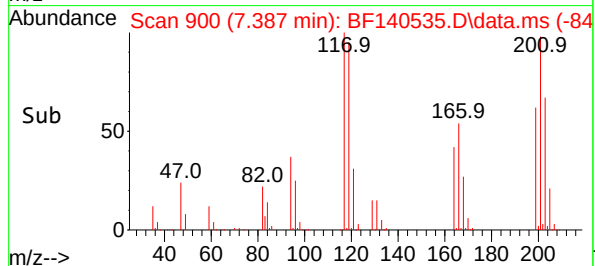
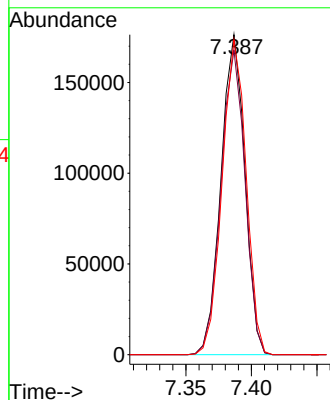
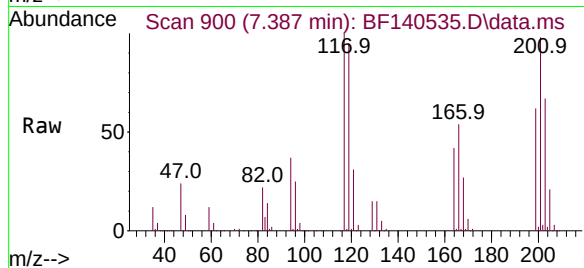
Tgt Ion:117 Resp: 223281

Ion Ratio Lower Upper

117 100

119 95.2 77.1 115.7

201 98.4 81.1 121.7



#19

n-Nitroso-di-n-propylamine

Concen: 72.370 ng

RT: 7.304 min Scan# 886

Delta R.T. 0.018 min

Lab File: BF140535.D

Acq: 21 Nov 2024 14:18

Tgt Ion: 70 Resp: 370745

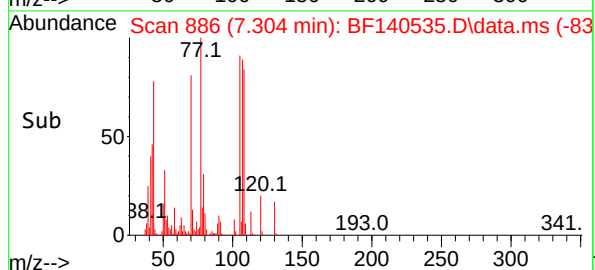
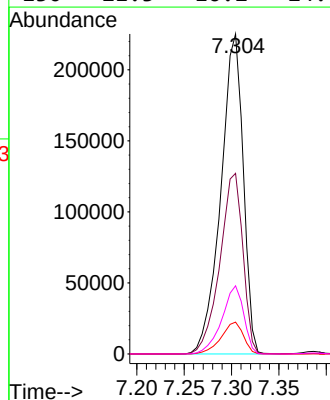
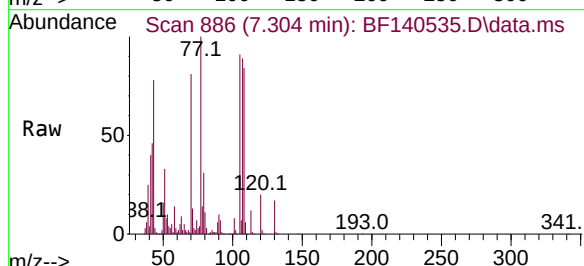
Ion Ratio Lower Upper

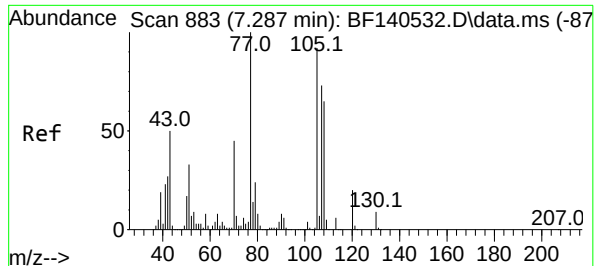
70 100

42 56.4 47.6 71.4

101 10.0 7.6 11.4

130 21.3 16.2 24.4

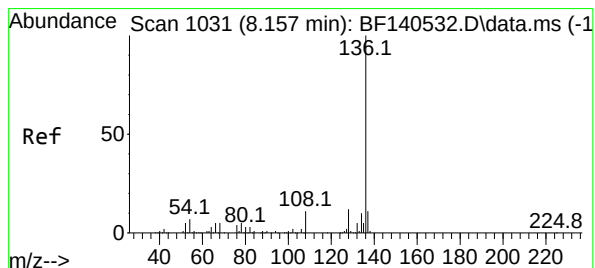
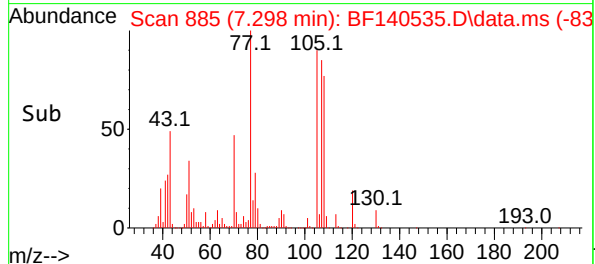
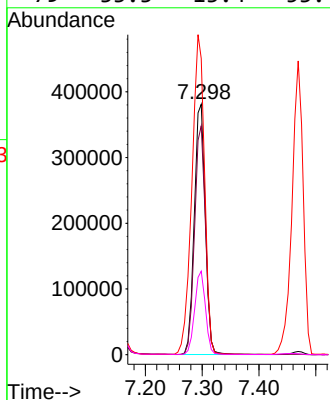
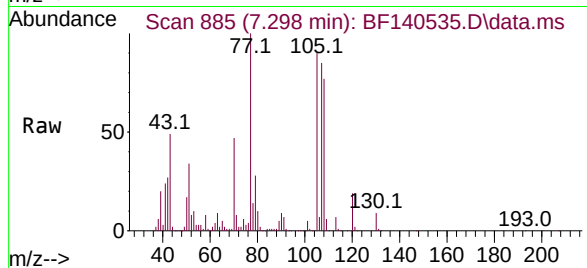




#20  
3+4-Methylphenols  
Concen: 71.155 ng  
RT: 7.298 min Scan# 885  
Delta R.T. 0.012 min  
Lab File: BF140535.D  
Acq: 21 Nov 2024 14:18

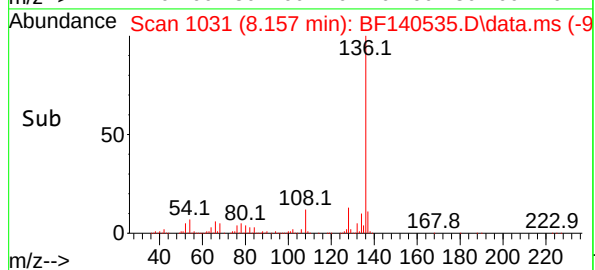
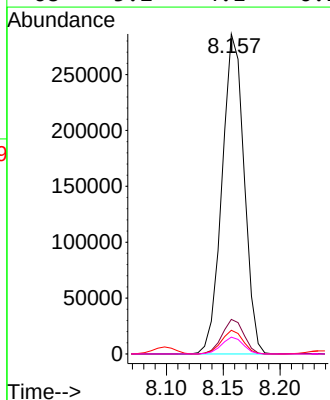
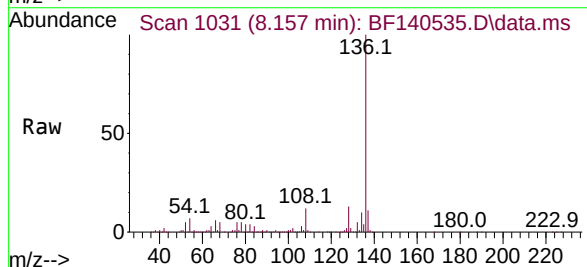
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC080

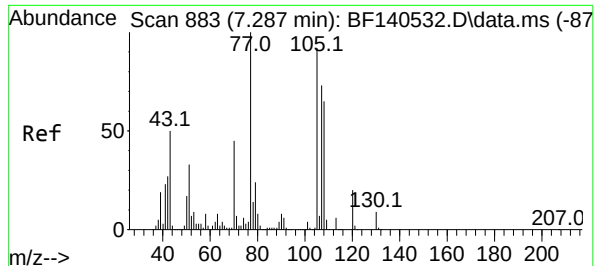
Tgt Ion:107 Resp: 516442  
Ion Ratio Lower Upper  
107 100  
108 91.3 69.9 109.9  
77 118.2 117.7 157.7  
79 33.3 13.4 53.4



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.157 min Scan# 1031  
Delta R.T. 0.000 min  
Lab File: BF140535.D  
Acq: 21 Nov 2024 14:18

Tgt Ion:136 Resp: 386311  
Ion Ratio Lower Upper  
136 100  
137 10.8 8.6 13.0  
54 7.4 5.8 8.8  
68 5.2 4.1 6.1

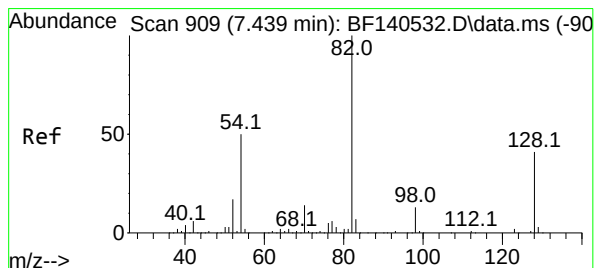
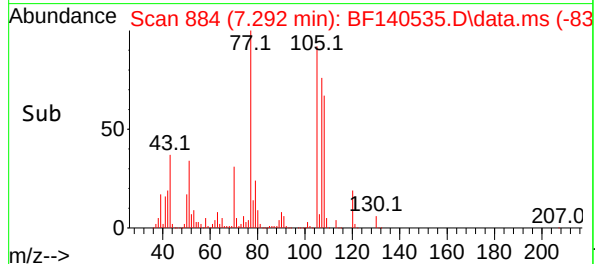
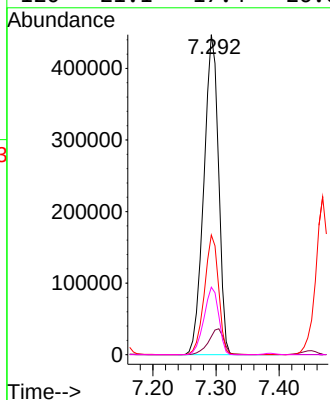
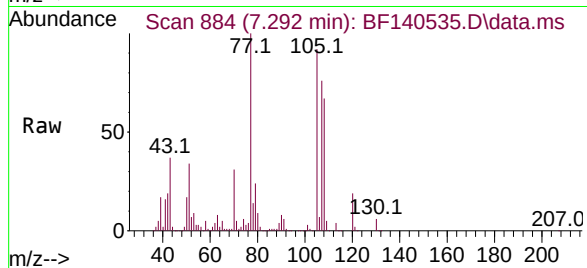




#22  
Acetophenone  
Concen: 76.727 ng  
RT: 7.292 min Scan# 884  
Delta R.T. 0.006 min  
Lab File: BF140535.D  
Acq: 21 Nov 2024 14:18

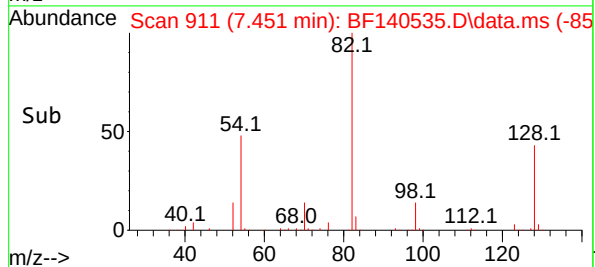
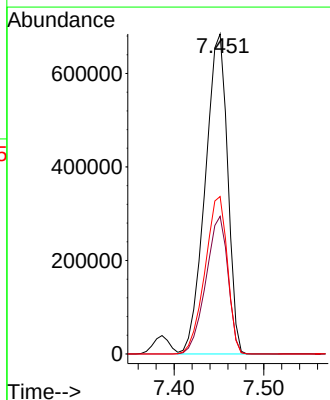
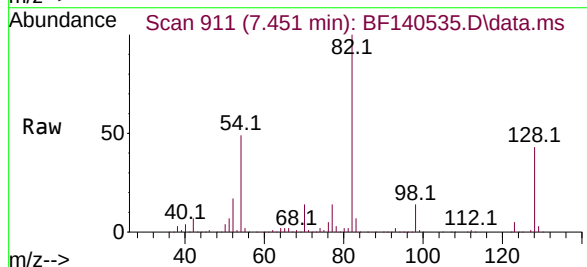
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC080

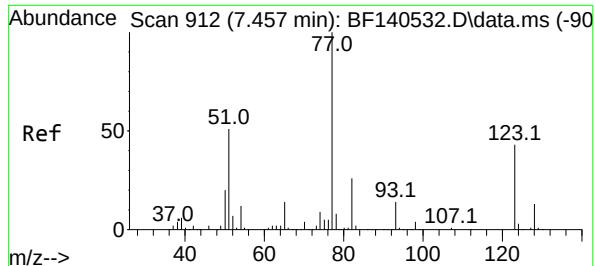
Tgt Ion:105 Resp: 722622  
Ion Ratio Lower Upper  
105 100  
71 5.6 6.2 9.2#  
51 37.4 29.0 43.6  
120 21.1 17.4 26.0



#23  
Nitrobenzene-d5  
Concen: 156.830 ng  
RT: 7.451 min Scan# 911  
Delta R.T. 0.012 min  
Lab File: BF140535.D  
Acq: 21 Nov 2024 14:18

Tgt Ion: 82 Resp: 1184453  
Ion Ratio Lower Upper  
82 100  
128 43.0 33.0 49.4  
54 49.2 39.5 59.3

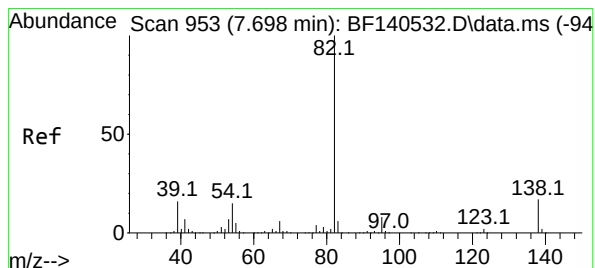
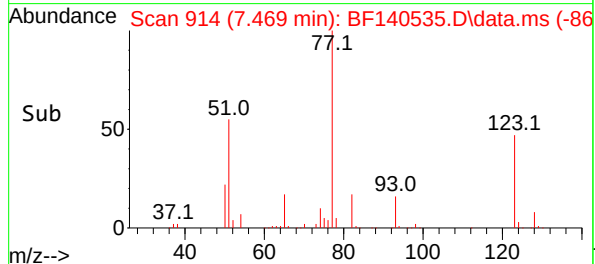
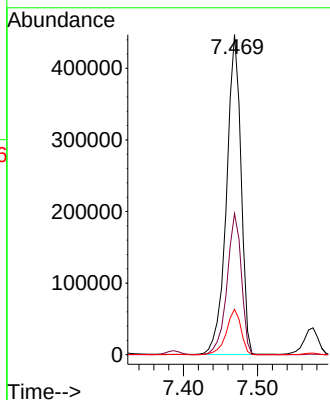
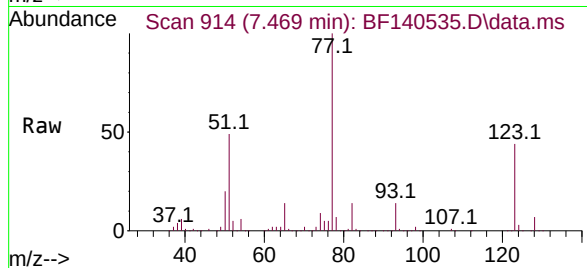




#24  
Nitrobenzene  
Concen: 77.534 ng  
RT: 7.469 min Scan# 912  
Delta R.T. 0.012 min  
Lab File: BF140535.D  
Acq: 21 Nov 2024 14:18

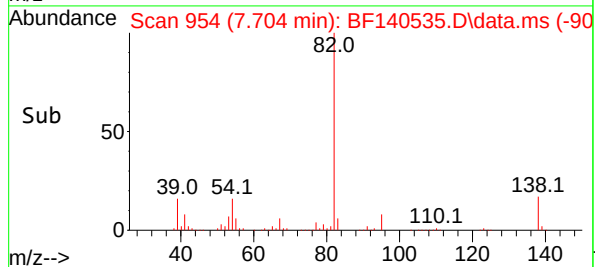
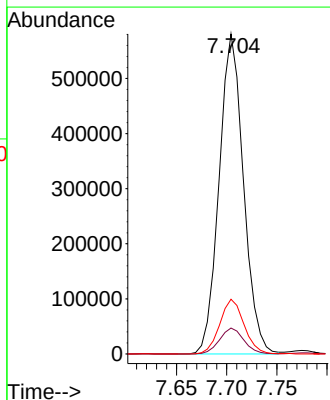
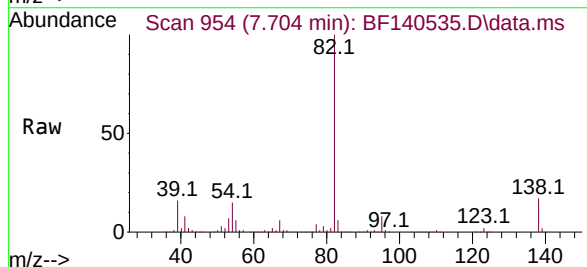
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC080

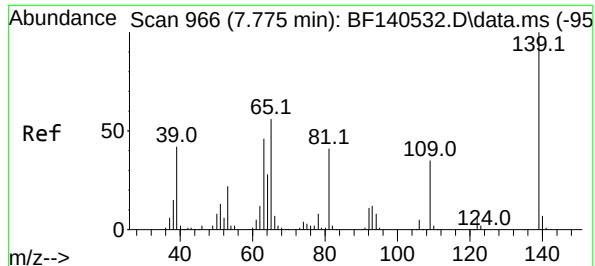
Tgt Ion: 77 Resp: 605207  
Ion Ratio Lower Upper  
77 100  
123 44.1 34.3 51.5  
65 14.2 11.2 16.8



#25  
Isophorone  
Concen: 77.937 ng  
RT: 7.704 min Scan# 954  
Delta R.T. 0.006 min  
Lab File: BF140535.D  
Acq: 21 Nov 2024 14:18

Tgt Ion: 82 Resp: 981772  
Ion Ratio Lower Upper  
82 100  
95 8.1 6.4 9.6  
138 17.1 13.8 20.6





#26

2-Nitrophenol

Concen: 80.298 ng

RT: 7.775 min Scan# 9

Delta R.T. 0.000 min

Lab File: BF140535.D

Acq: 21 Nov 2024 14:18

Instrument :

BNA\_F

ClientSampleId :

SSTDICC080

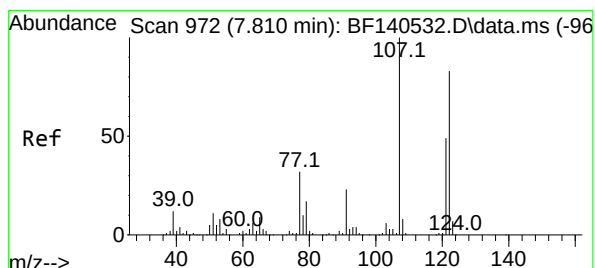
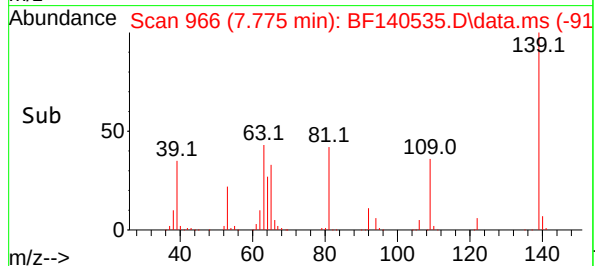
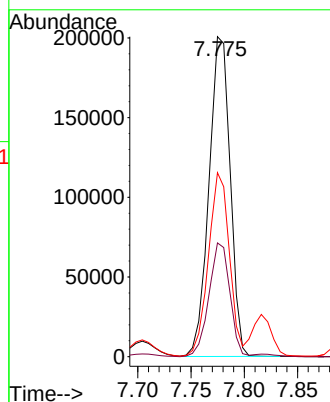
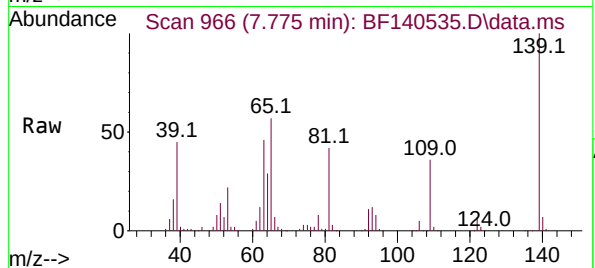
Tgt Ion:139 Resp: 277762

Ion Ratio Lower Upper

139 100

109 35.5 28.0 42.0

65 57.5 44.6 67.0



#27

2,4-Dimethylphenol

Concen: 81.241 ng

RT: 7.816 min Scan# 973

Delta R.T. 0.006 min

Lab File: BF140535.D

Acq: 21 Nov 2024 14:18

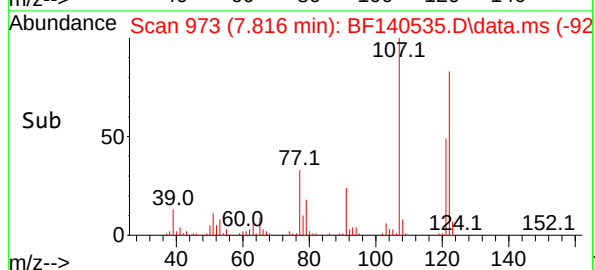
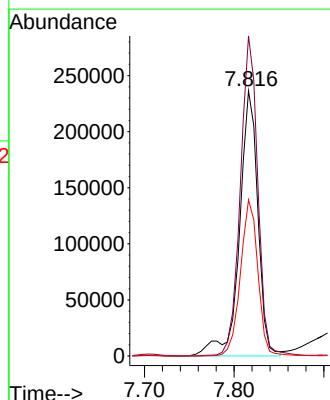
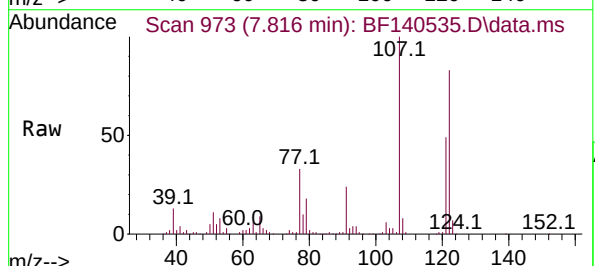
Tgt Ion:122 Resp: 336239

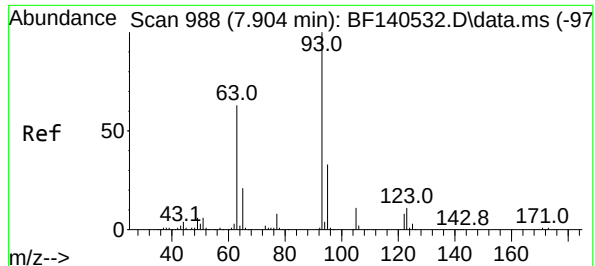
Ion Ratio Lower Upper

122 100

107 120.7 96.8 145.2

121 58.9 47.4 71.0





#28

bis(2-Chloroethoxy)methane

Concen: 77.128 ng

RT: 7.904 min Scan# 91

Delta R.T. 0.000 min

Lab File: BF140535.D

Acq: 21 Nov 2024 14:18

Instrument :

BNA\_F

ClientSampleId :

SSTDICC080

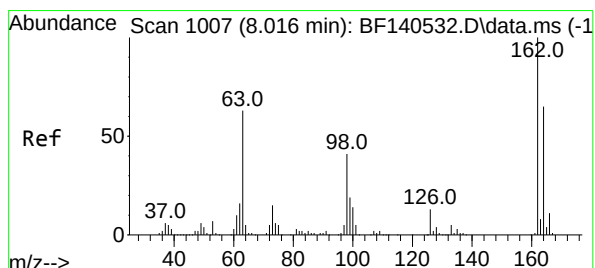
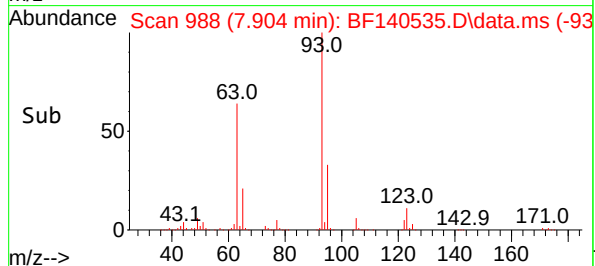
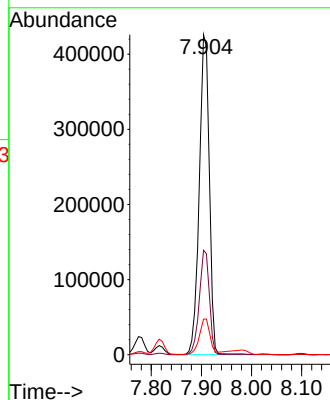
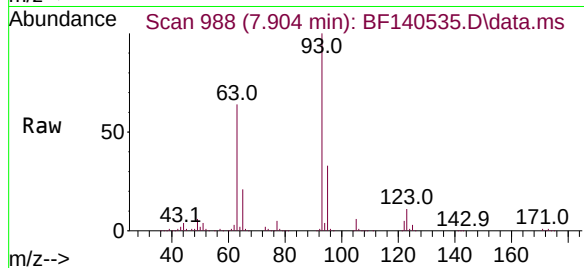
Tgt Ion: 93 Resp: 591884

Ion Ratio Lower Upper

93 100

95 32.6 26.1 39.1

123 11.1 9.1 13.7



#29

2,4-Dichlorophenol

Concen: 76.344 ng

RT: 8.022 min Scan# 1008

Delta R.T. 0.006 min

Lab File: BF140535.D

Acq: 21 Nov 2024 14:18

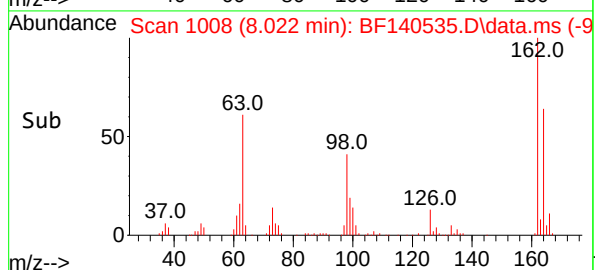
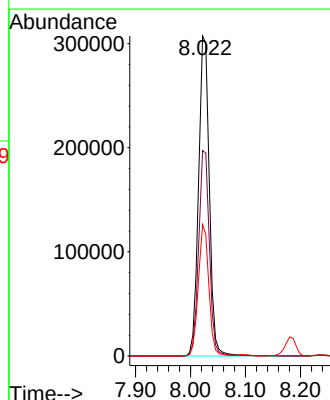
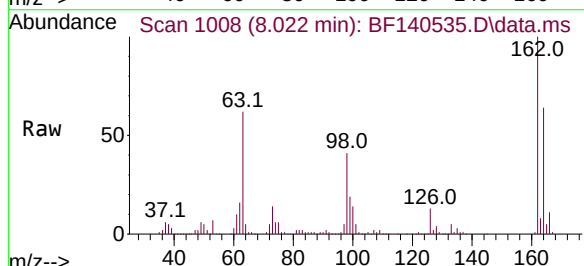
Tgt Ion: 162 Resp: 418686

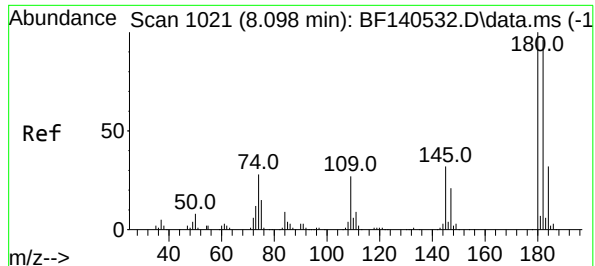
Ion Ratio Lower Upper

162 100

164 64.2 44.8 84.8

98 41.1 21.2 61.2





#30

1,2,4-Trichlorobenzene

Concen: 76.997 ng

RT: 8.098 min Scan# 1021

Delta R.T. 0.000 min

Lab File: BF140535.D

Acq: 21 Nov 2024 14:18

Instrument :

BNA\_F

ClientSampleId :

SSTDICC080

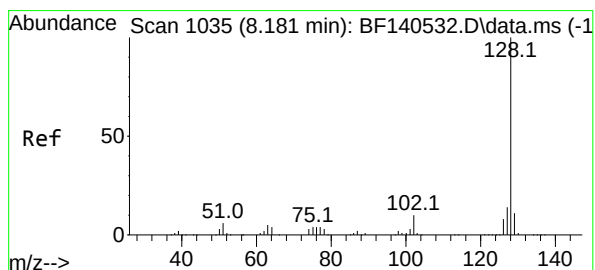
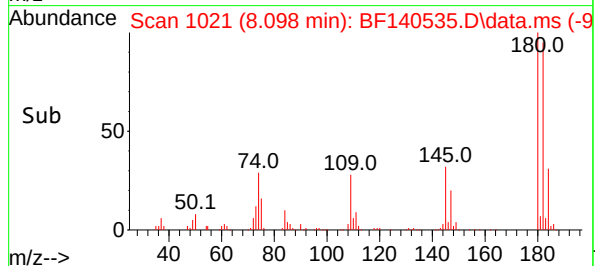
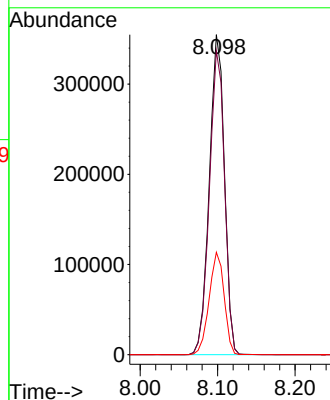
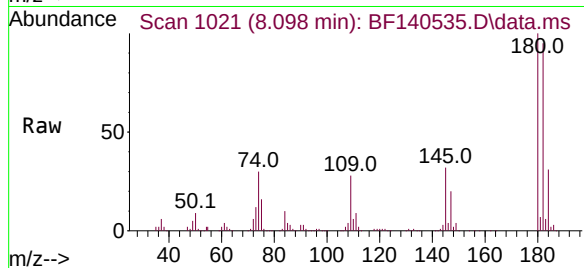
Tgt Ion:180 Resp: 482134

Ion Ratio Lower Upper

180 100

182 95.0 76.4 114.6

145 32.0 25.9 38.9



#31

Naphthalene

Concen: 75.309 ng

RT: 8.181 min Scan# 1035

Delta R.T. 0.000 min

Lab File: BF140535.D

Acq: 21 Nov 2024 14:18

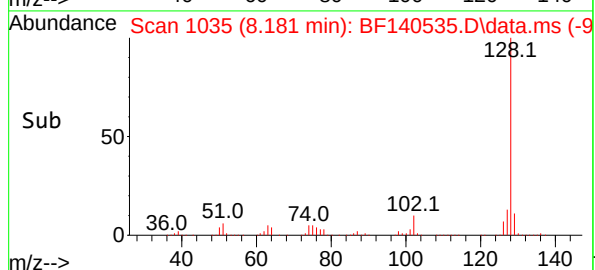
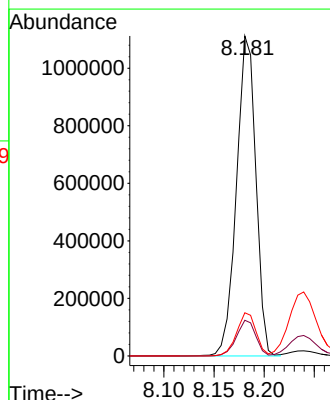
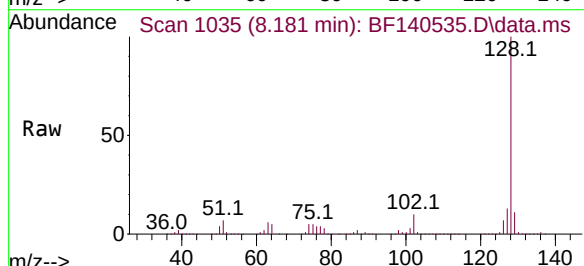
Tgt Ion:128 Resp: 1498520

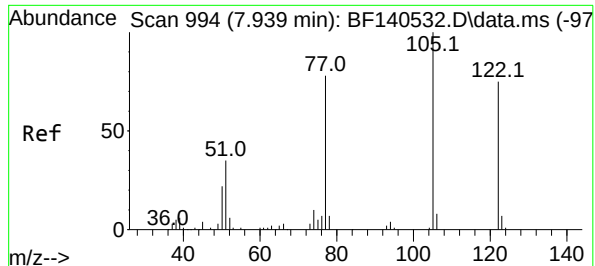
Ion Ratio Lower Upper

128 100

129 11.1 8.6 13.0

127 13.5 10.8 16.2





#32

Benzoic acid

Concen: 81.021 ng

RT: 7.981 min Scan# 1001

Delta R.T. 0.042 min

Lab File: BF140535.D

Acq: 21 Nov 2024 14:18

Instrument :

BNA\_F

ClientSampleId :

SSTDICC080

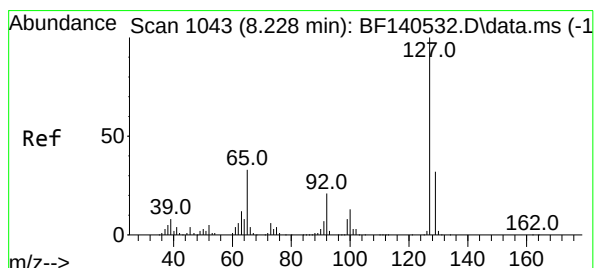
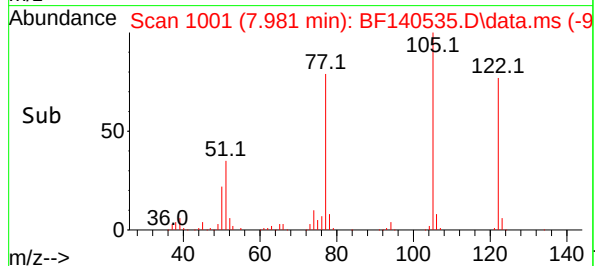
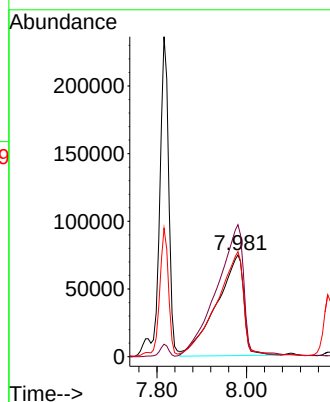
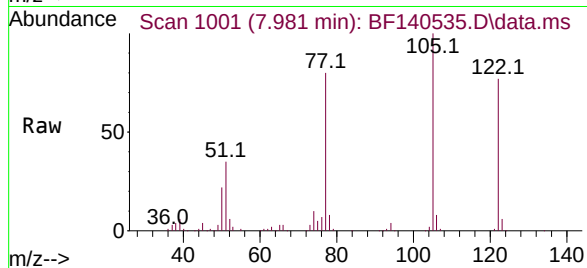
Tgt Ion:122 Resp: 312770

Ion Ratio Lower Upper

122 100

105 129.8 109.3 149.3

77 103.3 82.3 122.3



#33

4-Chloroaniline

Concen: 74.901 ng

RT: 8.239 min Scan# 1045

Delta R.T. 0.012 min

Lab File: BF140535.D

Acq: 21 Nov 2024 14:18

Tgt Ion:127 Resp: 446235

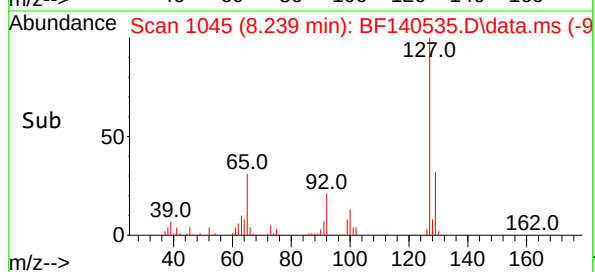
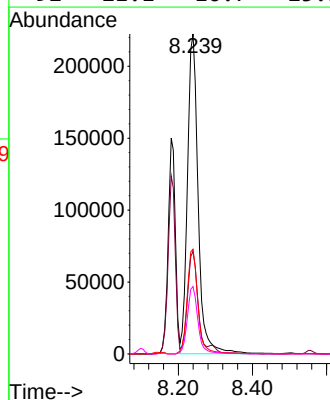
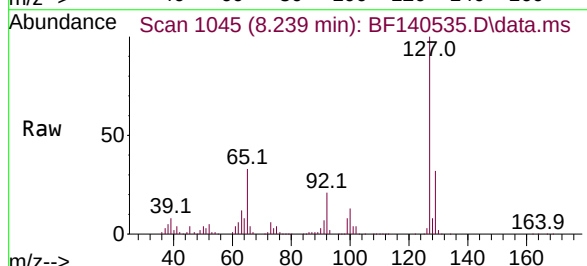
Ion Ratio Lower Upper

127 100

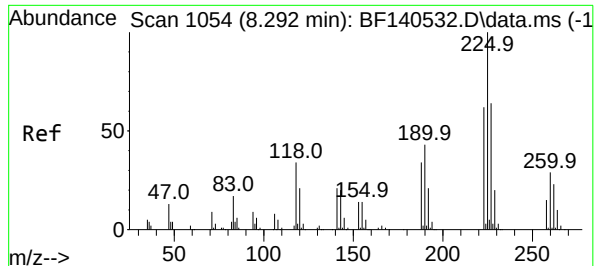
129 32.1 26.0 39.0

65 32.7 26.0 39.0

92 21.1 16.7 25.1

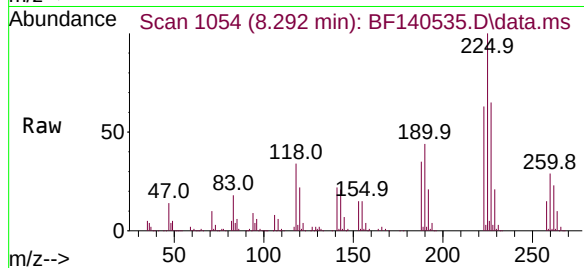




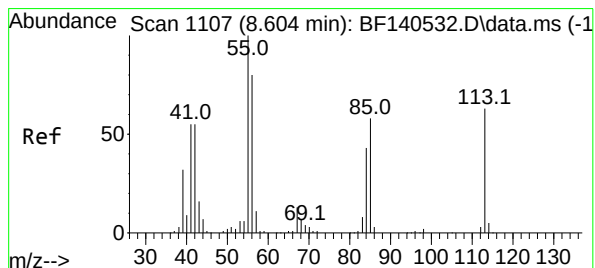
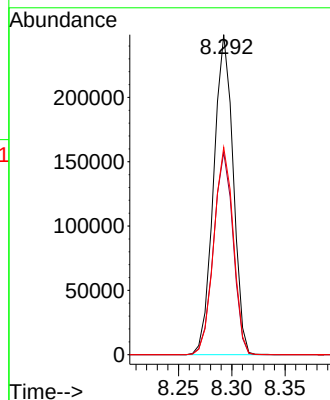
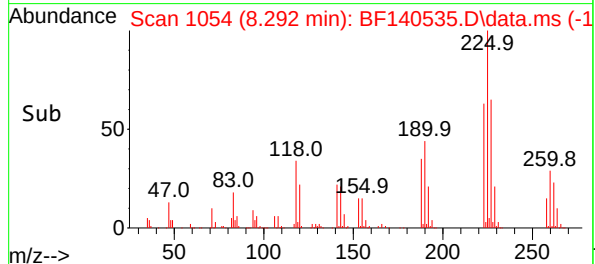


#34  
Hexachlorobutadiene  
Concen: 76.179 ng  
RT: 8.292 min Scan# 1112  
Delta R.T. 0.000 min  
Lab File: BF140535.D  
Acq: 21 Nov 2024 14:18

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC080

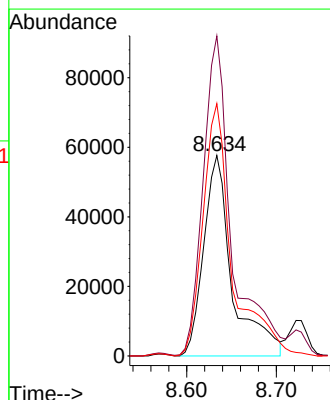
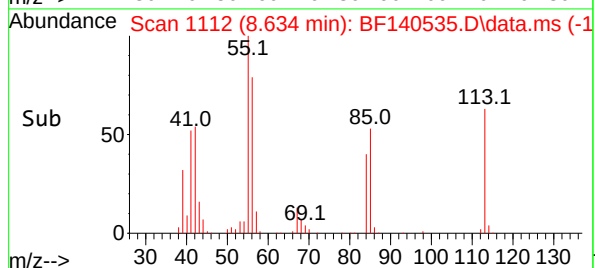
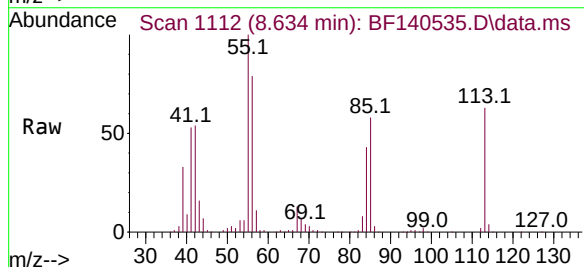


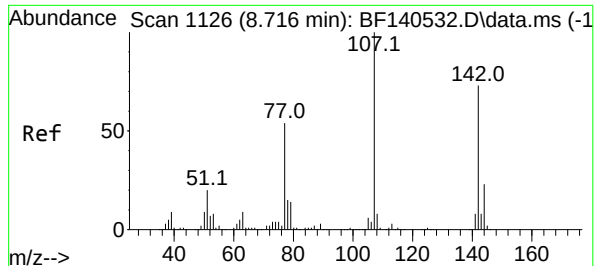
Tgt Ion:225 Resp: 315951  
Ion Ratio Lower Upper  
225 100  
223 63.3 49.8 74.8  
227 64.8 51.3 76.9



#35  
Caprolactam  
Concen: 75.207 ng  
RT: 8.634 min Scan# 1112  
Delta R.T. 0.029 min  
Lab File: BF140535.D  
Acq: 21 Nov 2024 14:18

Tgt Ion:113 Resp: 127641  
Ion Ratio Lower Upper  
113 100  
55 159.6 137.7 177.7  
56 125.9 106.4 146.4

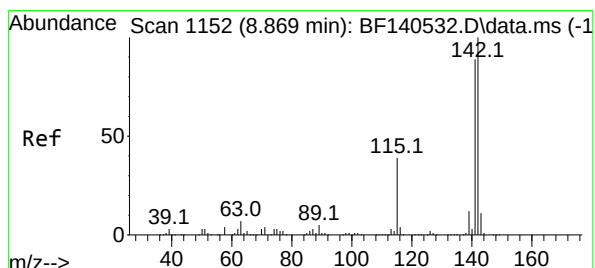
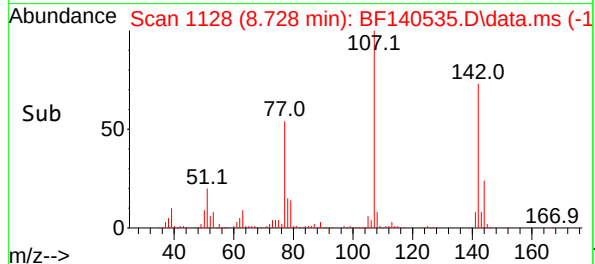
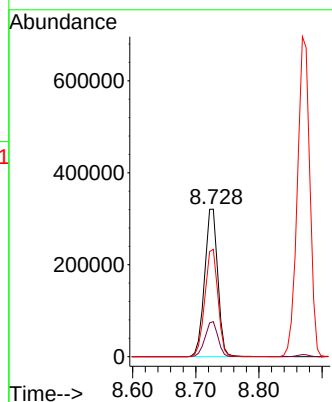
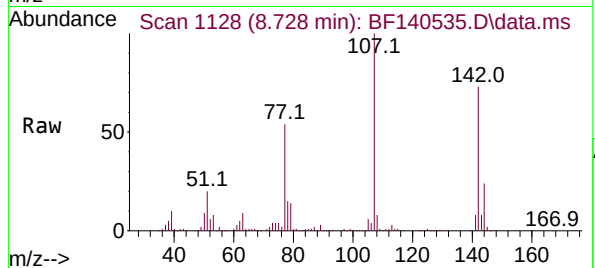




#36  
4-Chloro-3-methylphenol  
Concen: 75.759 ng  
RT: 8.728 min Scan# 1126  
Delta R.T. 0.012 min  
Lab File: BF140535.D  
Acq: 21 Nov 2024 14:18

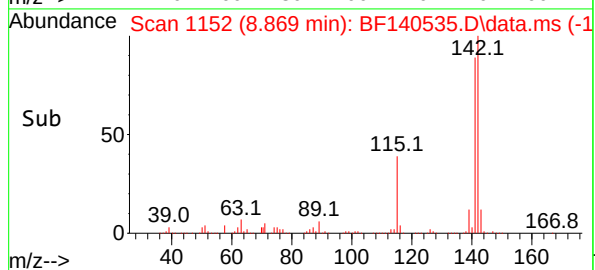
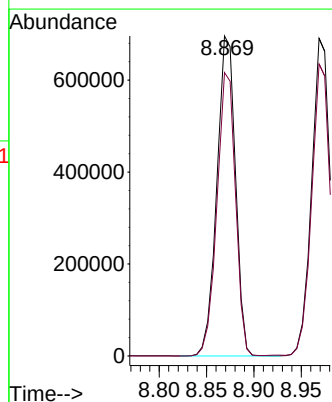
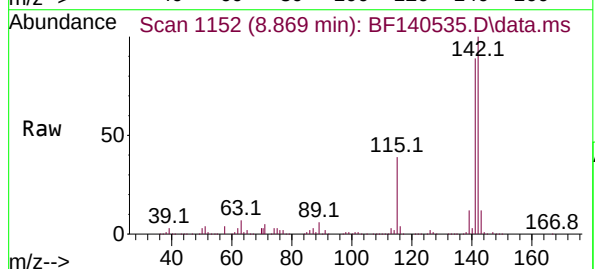
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC080

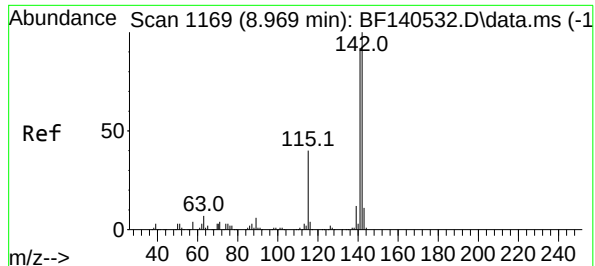
Tgt Ion:107 Resp: 465184  
Ion Ratio Lower Upper  
107 100  
144 23.7 18.7 28.1  
142 72.8 58.3 87.5



#37  
2-Methylnaphthalene  
Concen: 75.136 ng  
RT: 8.869 min Scan# 1152  
Delta R.T. 0.000 min  
Lab File: BF140535.D  
Acq: 21 Nov 2024 14:18

Tgt Ion:142 Resp: 949611  
Ion Ratio Lower Upper  
142 100  
141 88.6 71.0 106.6

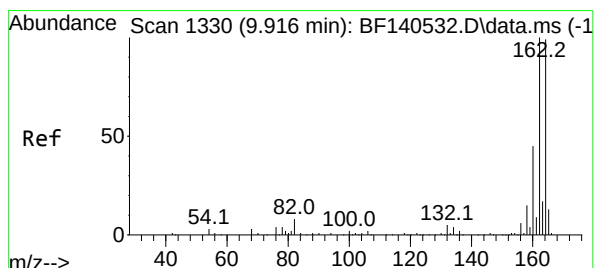
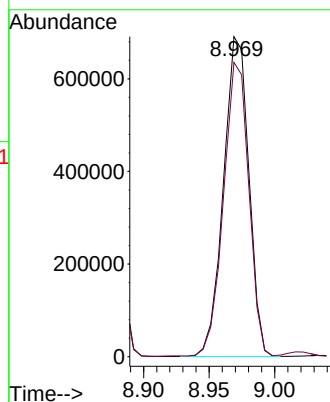
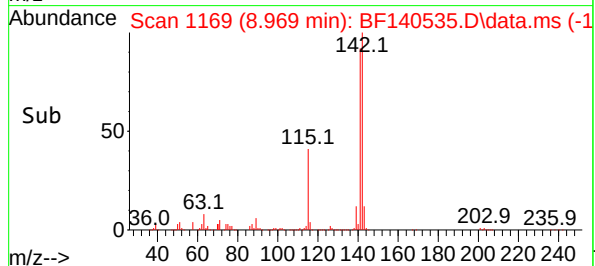
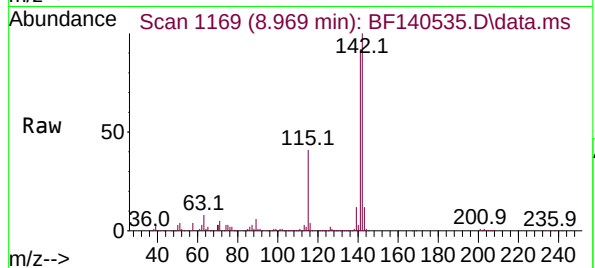




#38  
1-Methylnaphthalene  
Concen: 74.987 ng  
RT: 8.969 min Scan# 1169  
Delta R.T. 0.000 min  
Lab File: BF140535.D  
Acq: 21 Nov 2024 14:18

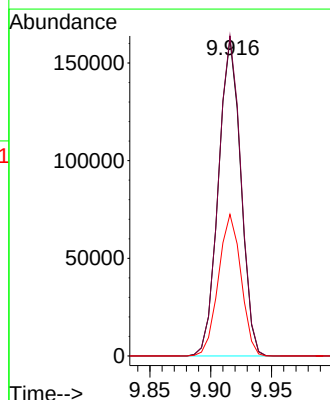
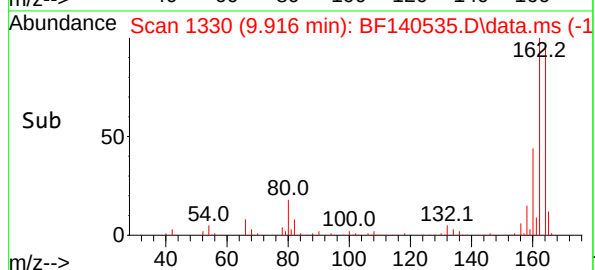
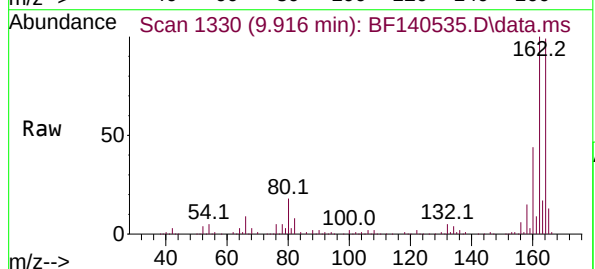
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC080

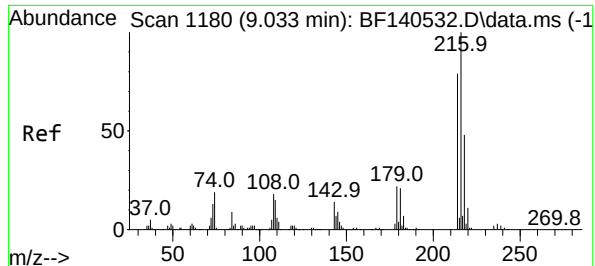
Tgt Ion:142 Resp: 928964  
Ion Ratio Lower Upper  
142 100  
141 91.9 73.3 109.9



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.916 min Scan# 1330  
Delta R.T. 0.000 min  
Lab File: BF140535.D  
Acq: 21 Nov 2024 14:18

Tgt Ion:164 Resp: 207499  
Ion Ratio Lower Upper  
164 100  
162 100.9 80.6 120.8  
160 44.7 36.2 54.4

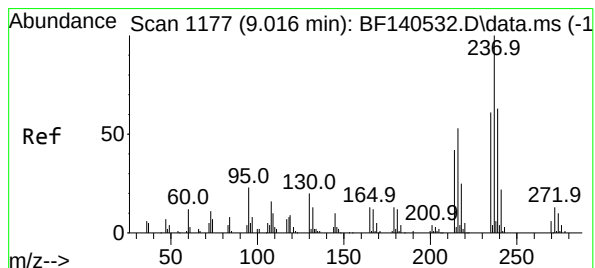
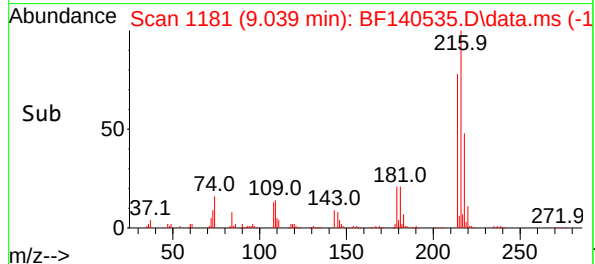
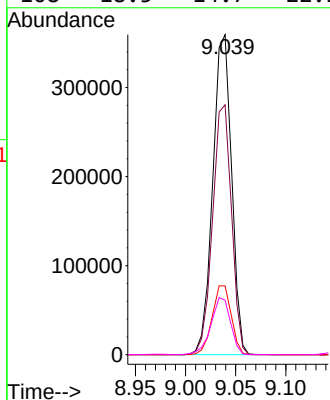
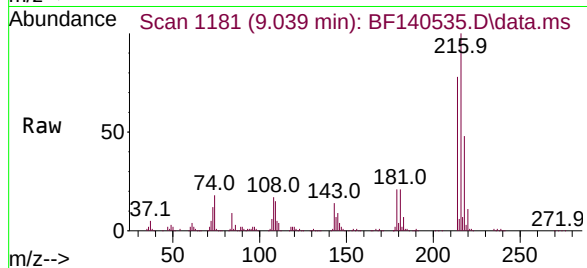




#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 77.147 ng  
RT: 9.039 min Scan# 1180  
Delta R.T. 0.006 min  
Lab File: BF140535.D  
Acq: 21 Nov 2024 14:18

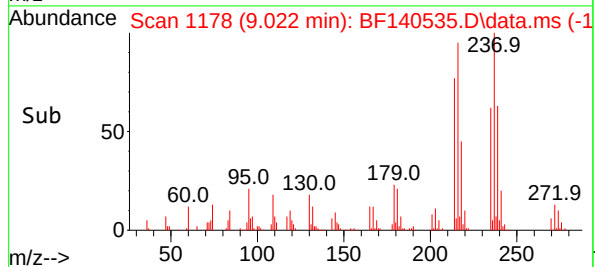
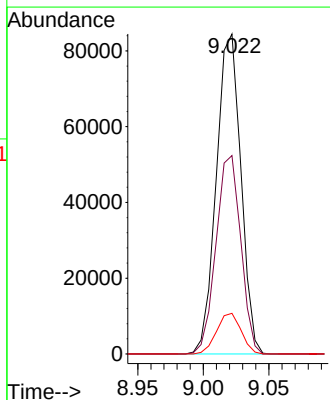
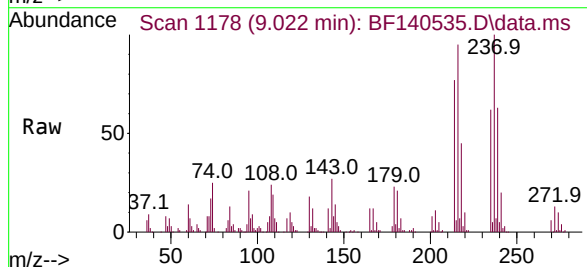
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC080

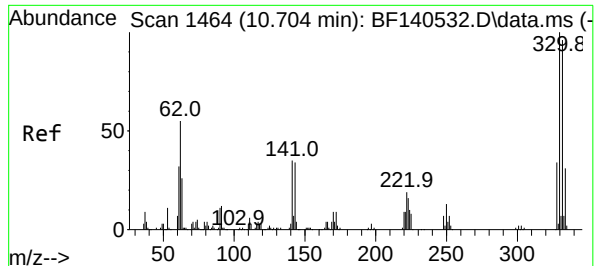
Tgt Ion:216 Resp: 468632  
Ion Ratio Lower Upper  
216 100  
214 78.6 63.0 94.4  
179 21.9 17.5 26.3  
108 18.5 14.7 22.1



#41  
Hexachlorocyclopentadiene  
Concen: 80.520 ng  
RT: 9.022 min Scan# 1178  
Delta R.T. 0.006 min  
Lab File: BF140535.D  
Acq: 21 Nov 2024 14:18

Tgt Ion:237 Resp: 110015  
Ion Ratio Lower Upper  
237 100  
235 62.0 41.1 81.1  
272 12.7 0.0 32.6





#42

2,4,6-Tribromophenol

Concen: 157.926 ng

RT: 10.710 min Scan# 1464

Delta R.T. 0.006 min

Lab File: BF140535.D

Acq: 21 Nov 2024 14:18

Instrument :

BNA\_F

ClientSampleId :

SSTDICC080

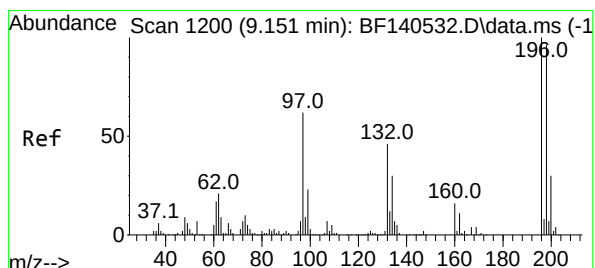
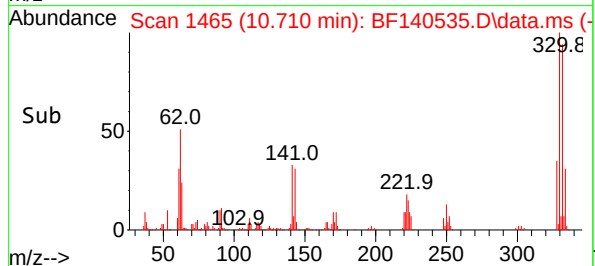
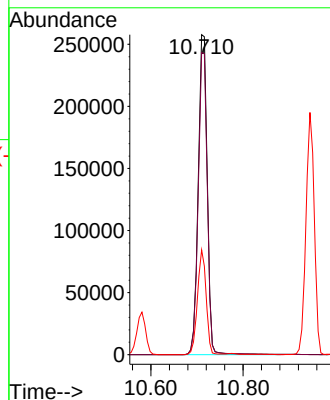
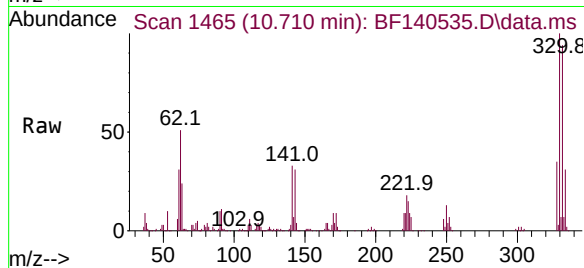
Tgt Ion:330 Resp: 350473

Ion Ratio Lower Upper

330 100

332 94.7 76.9 115.3

141 31.4 26.7 40.1



#43

2,4,6-Trichlorophenol

Concen: 79.446 ng

RT: 9.157 min Scan# 1201

Delta R.T. 0.006 min

Lab File: BF140535.D

Acq: 21 Nov 2024 14:18

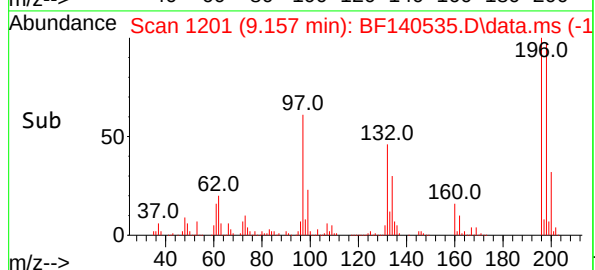
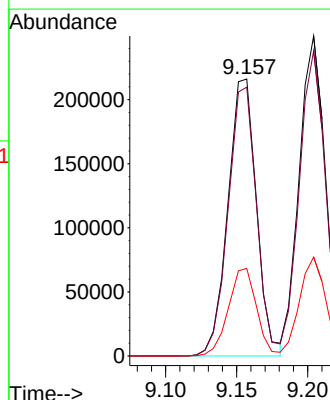
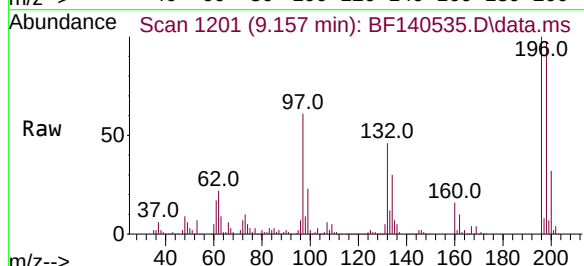
Tgt Ion:196 Resp: 302826

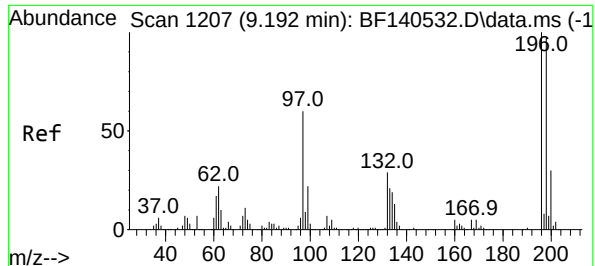
Ion Ratio Lower Upper

196 100

198 97.0 76.8 115.2

200 31.6 24.3 36.5

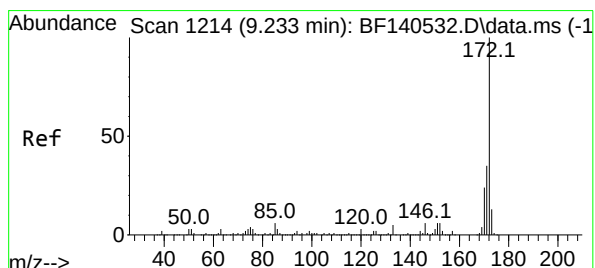
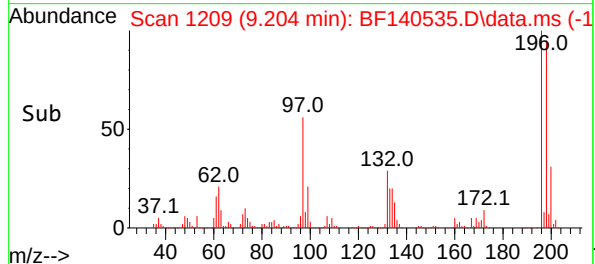
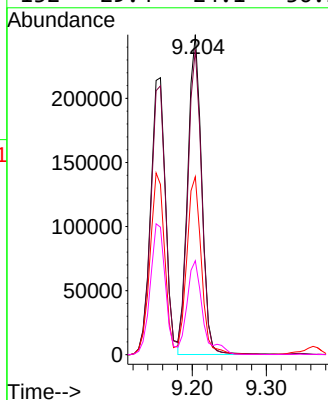
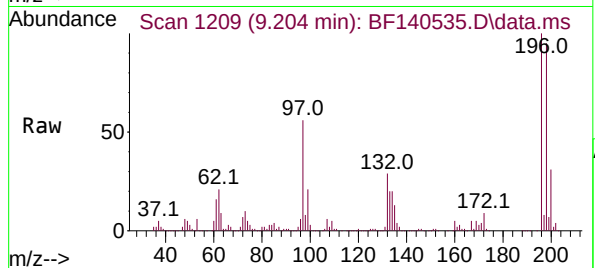




#44  
2,4,5-Trichlorophenol  
Concen: 78.696 ng  
RT: 9.204 min Scan# 1207  
Delta R.T. 0.012 min  
Lab File: BF140535.D  
Acq: 21 Nov 2024 14:18

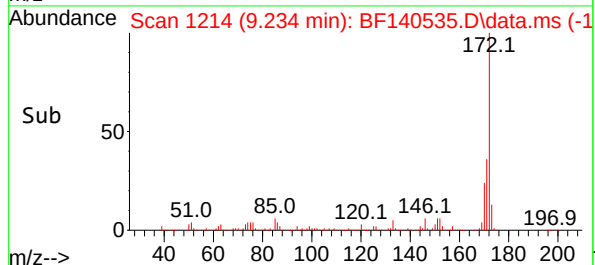
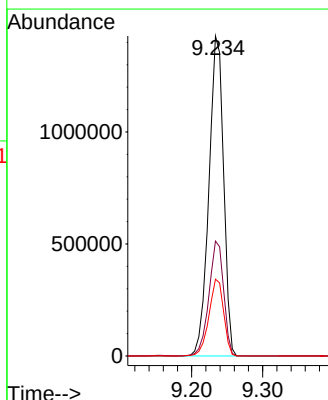
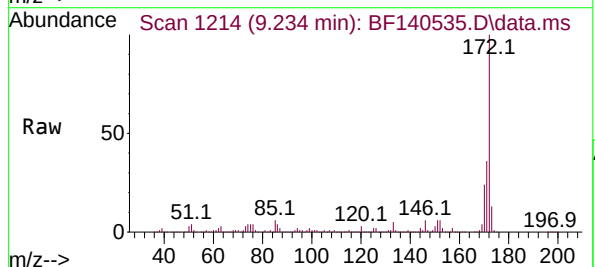
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC080

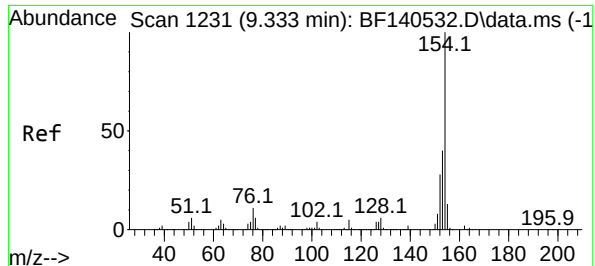
Tgt Ion:196 Resp: 325549  
Ion Ratio Lower Upper  
196 100  
198 95.4 77.2 115.8  
97 55.6 47.1 70.7  
132 29.4 24.1 36.1



#45  
2-Fluorobiphenyl  
Concen: 147.236 ng  
RT: 9.234 min Scan# 1214  
Delta R.T. 0.000 min  
Lab File: BF140535.D  
Acq: 21 Nov 2024 14:18

Tgt Ion:172 Resp: 2050501  
Ion Ratio Lower Upper  
172 100  
171 35.9 28.4 42.6  
170 24.0 19.0 28.6

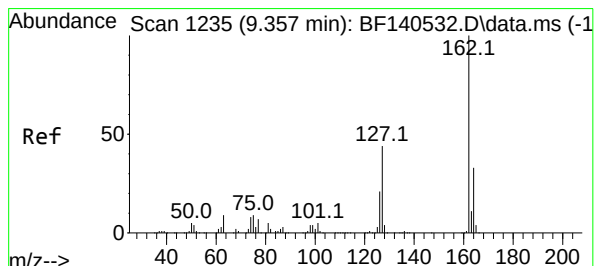
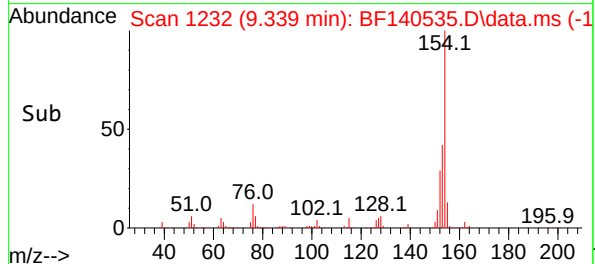
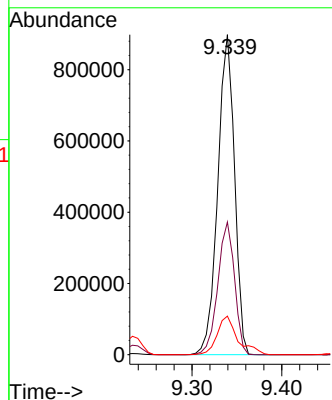
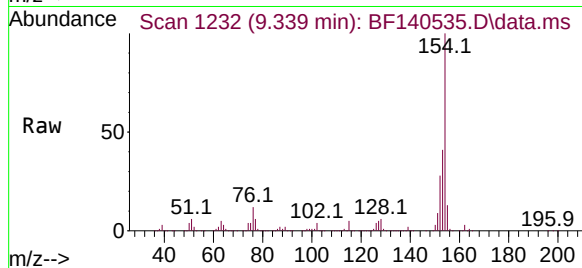




#46  
1,1'-Biphenyl  
Concen: 75.141 ng  
RT: 9.339 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: BF140535.D  
Acq: 21 Nov 2024 14:18

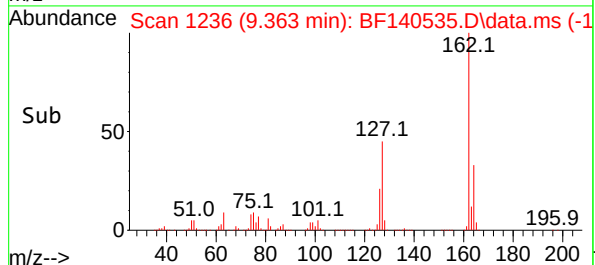
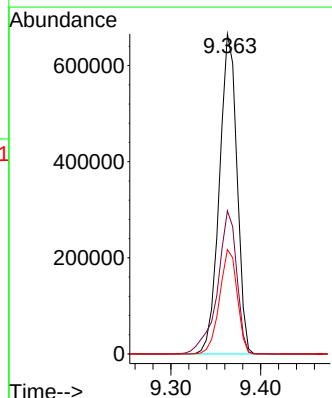
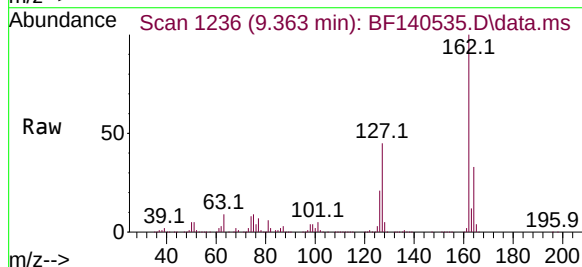
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC080

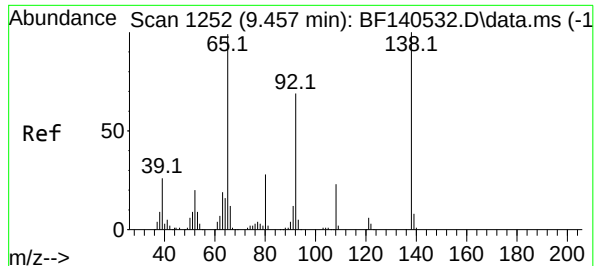
Tgt Ion:154 Resp: 1164092  
Ion Ratio Lower Upper  
154 100  
153 41.5 20.4 60.4  
76 12.1 0.0 31.2



#47  
2-Chloronaphthalene  
Concen: 77.151 ng  
RT: 9.363 min Scan# 1236  
Delta R.T. 0.006 min  
Lab File: BF140535.D  
Acq: 21 Nov 2024 14:18

Tgt Ion:162 Resp: 905645  
Ion Ratio Lower Upper  
162 100  
127 44.7 35.7 53.5  
164 32.6 26.1 39.1

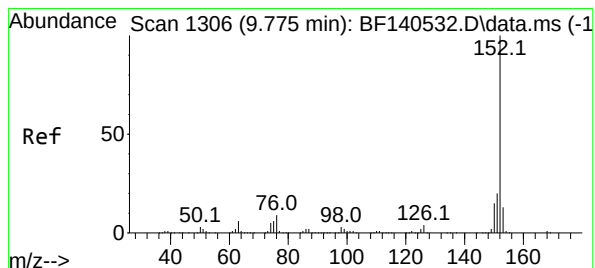
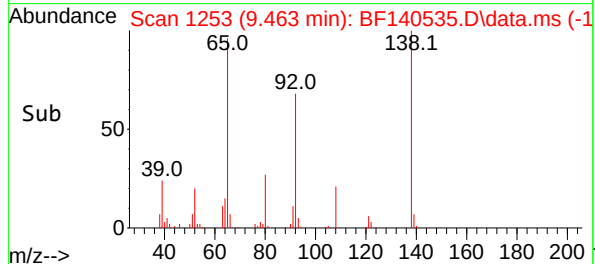
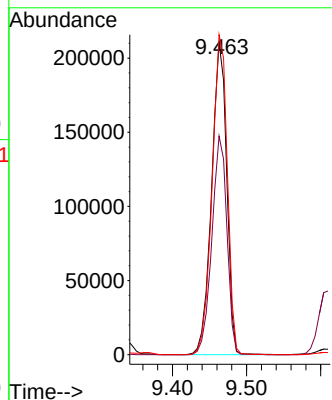
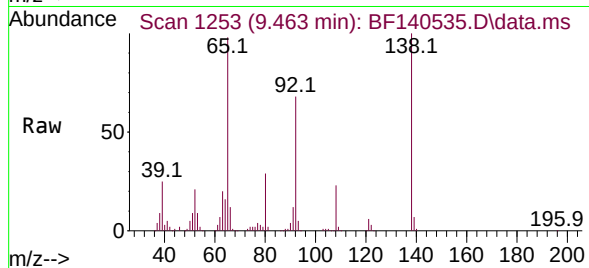




#48  
2-Nitroaniline  
Concen: 79.040 ng  
RT: 9.463 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: BF140535.D  
Acq: 21 Nov 2024 14:18

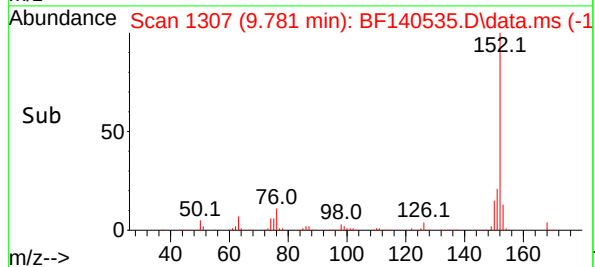
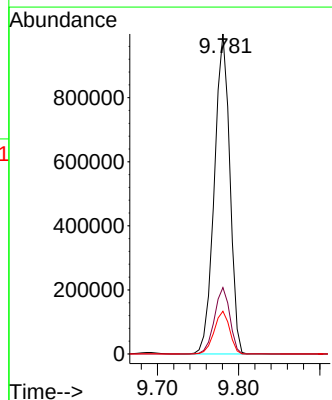
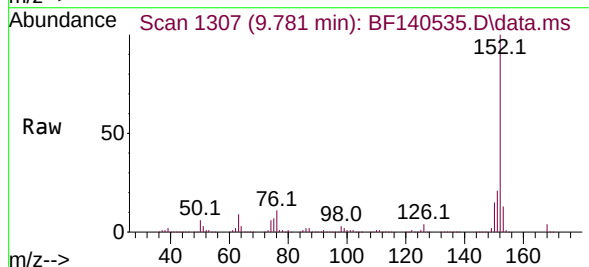
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC080

Tgt Ion: 65 Resp: 297813  
Ion Ratio Lower Upper  
65 100  
92 70.1 56.1 84.1  
138 102.5 81.0 121.6

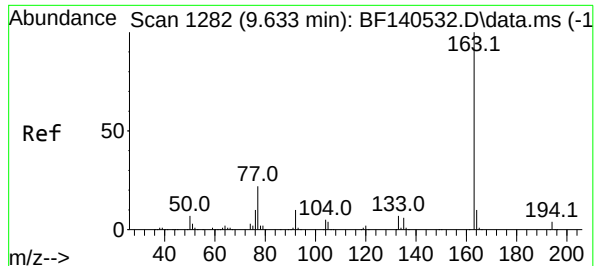


#49  
Acenaphthylene  
Concen: 74.411 ng  
RT: 9.781 min Scan# 1307  
Delta R.T. 0.006 min  
Lab File: BF140535.D  
Acq: 21 Nov 2024 14:18

Tgt Ion: 152 Resp: 1319777  
Ion Ratio Lower Upper  
152 100  
151 20.8 15.9 23.9  
153 13.4 10.6 16.0



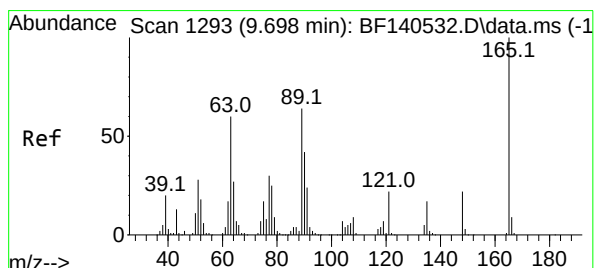
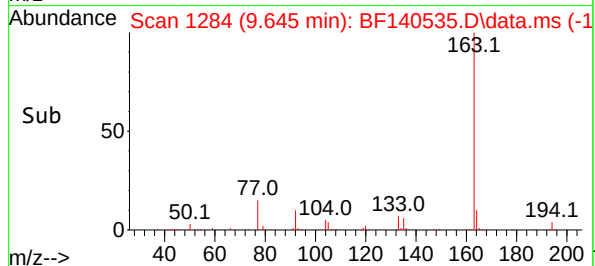
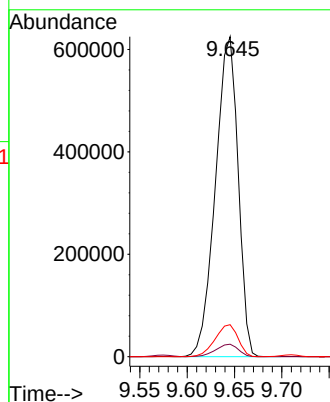
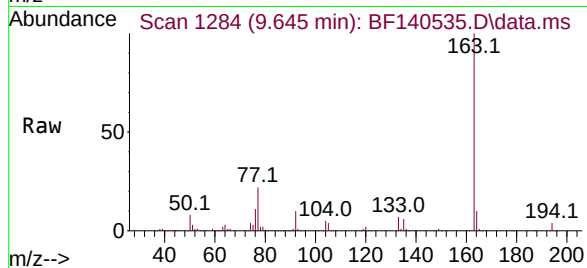




#50  
Dimethylphthalate  
Concen: 76.177 ng  
RT: 9.645 min Scan# 1282  
Delta R.T. 0.012 min  
Lab File: BF140535.D  
Acq: 21 Nov 2024 14:18

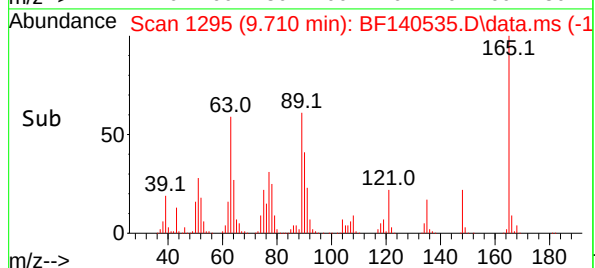
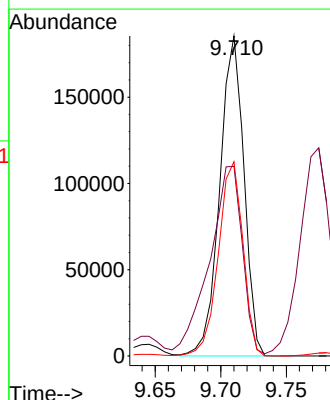
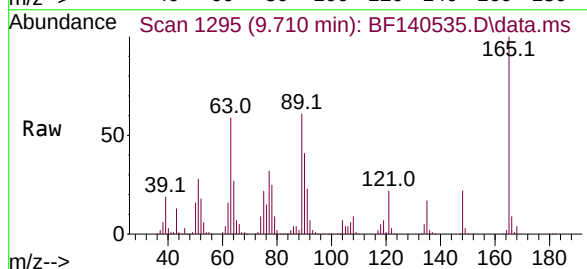
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC080

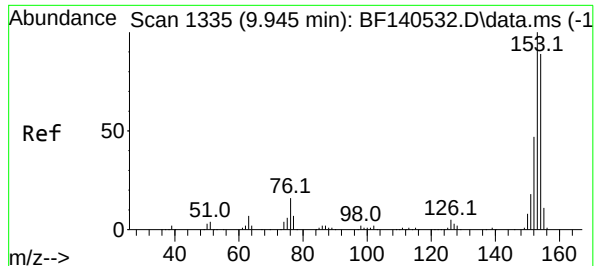
Tgt Ion:163 Resp: 1041011  
Ion Ratio Lower Upper  
163 100  
194 3.9 3.1 4.7  
164 10.0 8.2 12.2



#51  
2,6-Dinitrotoluene  
Concen: 76.693 ng  
RT: 9.710 min Scan# 1295  
Delta R.T. 0.012 min  
Lab File: BF140535.D  
Acq: 21 Nov 2024 14:18

Tgt Ion:165 Resp: 237697  
Ion Ratio Lower Upper  
165 100  
63 59.3 49.9 74.9  
89 60.7 50.9 76.3





#52

Acenaphthene

Concen: 74.130 ng

RT: 9.951 min Scan# 1336

Delta R.T. 0.006 min

Lab File: BF140535.D

Acq: 21 Nov 2024 14:18

Instrument :

BNA\_F

ClientSampleId :

SSTDICC080

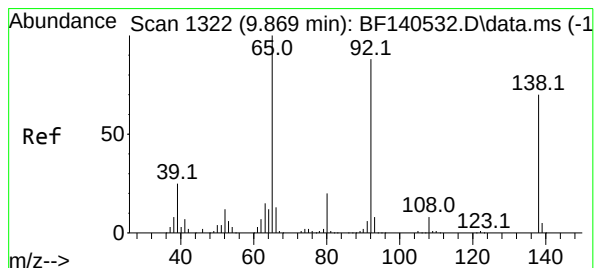
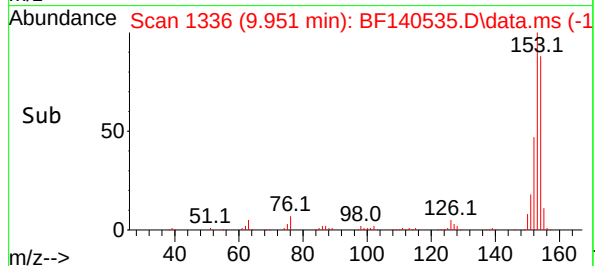
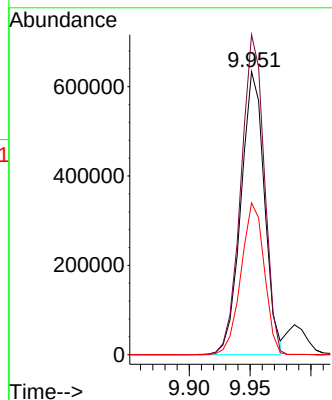
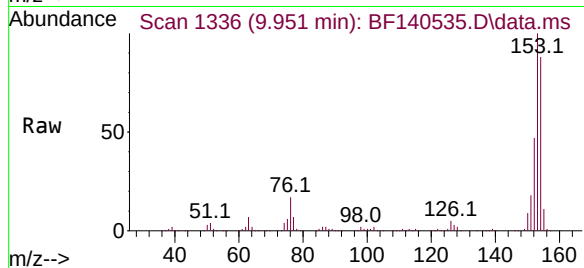
Tgt Ion:154 Resp: 851353

Ion Ratio Lower Upper

154 100

153 113.0 89.7 134.5

152 53.7 42.5 63.7



#53

3-Nitroaniline

Concen: 71.627 ng

RT: 9.881 min Scan# 1324

Delta R.T. 0.012 min

Lab File: BF140535.D

Acq: 21 Nov 2024 14:18

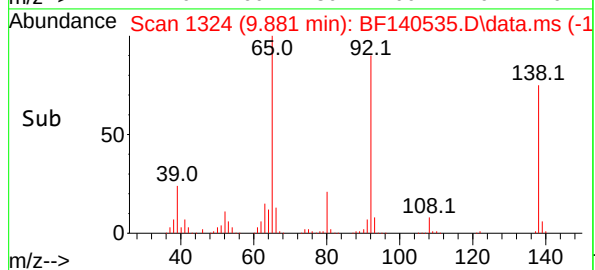
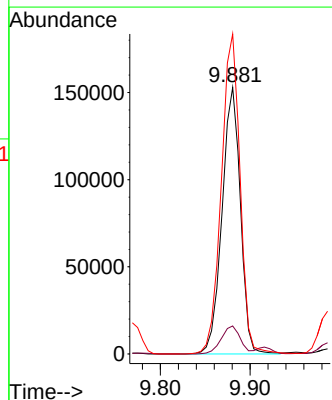
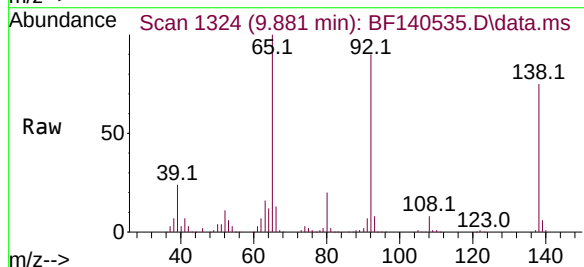
Tgt Ion:138 Resp: 217122

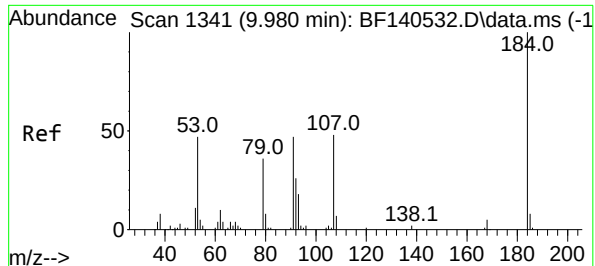
Ion Ratio Lower Upper

138 100

108 10.5 9.2 13.8

92 120.0 100.6 150.8





#54

2,4-Dinitrophenol

Concen: 79.725 ng

RT: 9.986 min Scan# 1341

Delta R.T. 0.006 min

Lab File: BF140535.D

Acq: 21 Nov 2024 14:18

Instrument :

BNA\_F

ClientSampleId :

SSTDICC080

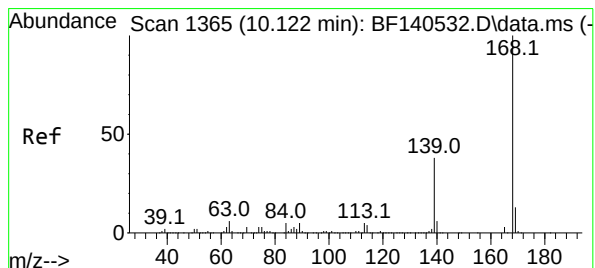
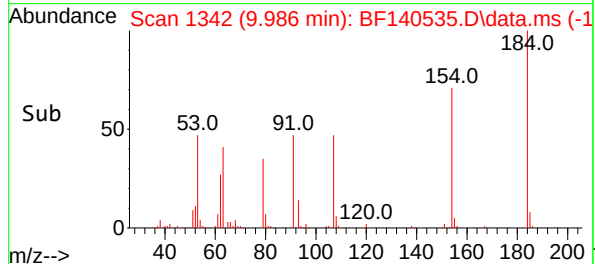
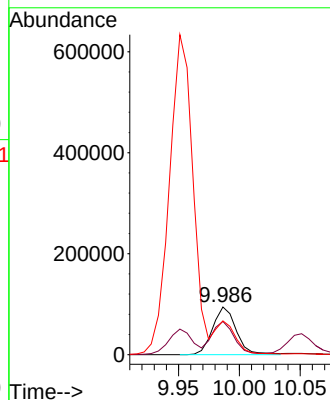
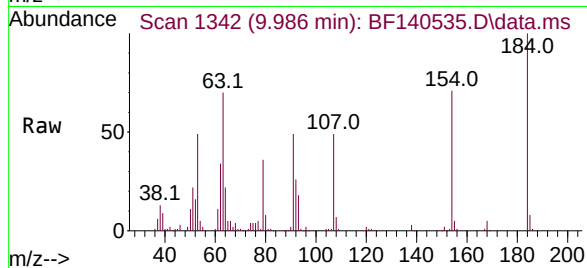
Tgt Ion:184 Resp: 127923

Ion Ratio Lower Upper

184 100

63 69.9 54.1 81.1

154 70.8 57.4 86.0



#55

Dibenzofuran

Concen: 72.868 ng

RT: 10.122 min Scan# 1365

Delta R.T. 0.000 min

Lab File: BF140535.D

Acq: 21 Nov 2024 14:18

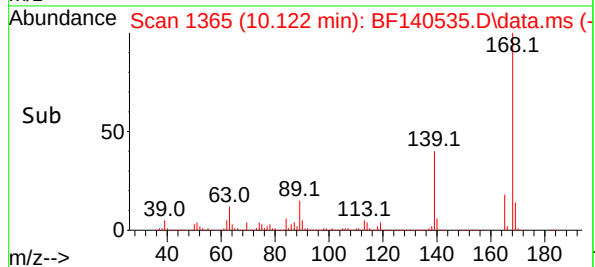
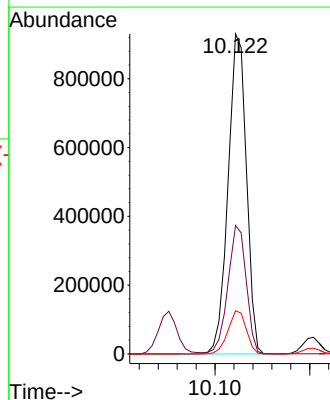
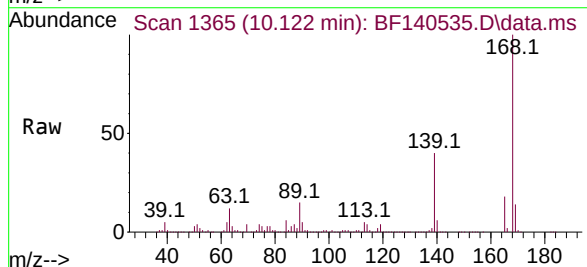
Tgt Ion:168 Resp: 1252581

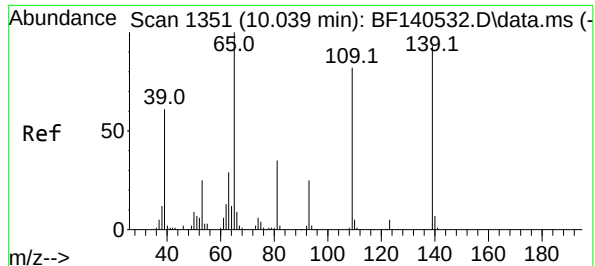
Ion Ratio Lower Upper

168 100

139 40.1 31.3 46.9

169 13.5 10.5 15.7

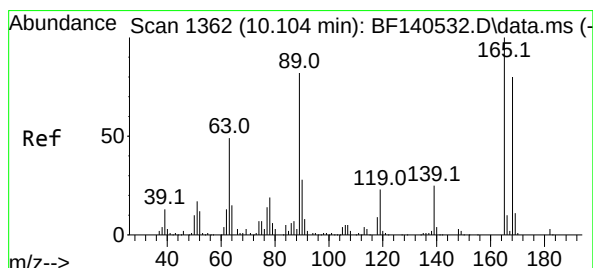
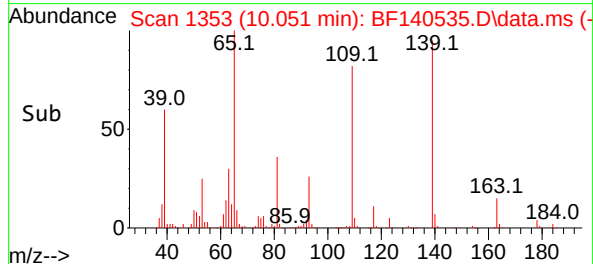
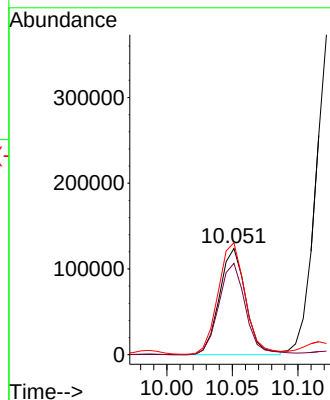
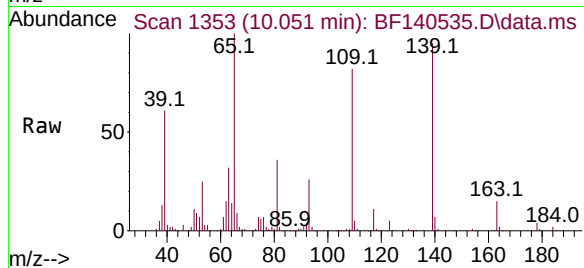




#56  
4-Nitrophenol  
Concen: 83.396 ng  
RT: 10.051 min Scan# 1351  
Delta R.T. 0.012 min  
Lab File: BF140535.D  
Acq: 21 Nov 2024 14:18

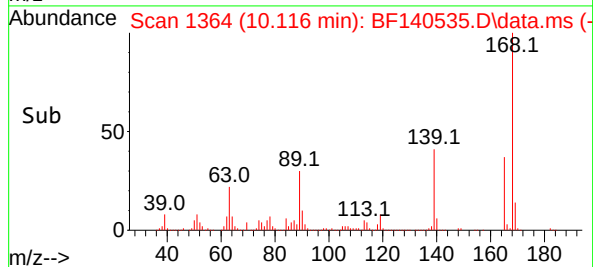
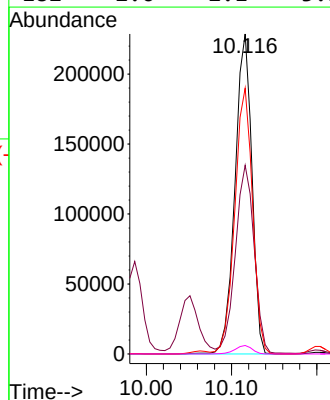
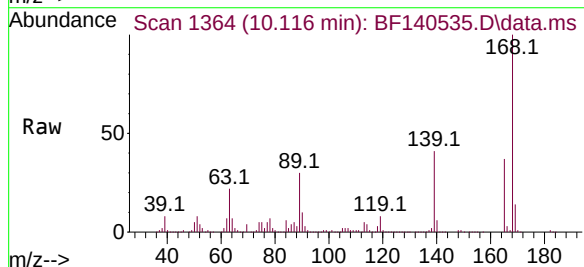
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC080

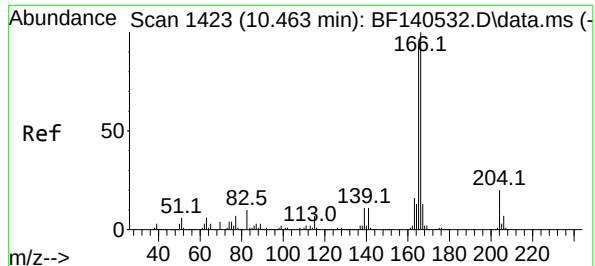
Tgt Ion:139 Resp: 172406  
Ion Ratio Lower Upper  
139 100  
109 86.0 68.4 108.4  
65 105.4 88.6 128.6



#57  
2,4-Dinitrotoluene  
Concen: 76.346 ng  
RT: 10.116 min Scan# 1364  
Delta R.T. 0.012 min  
Lab File: BF140535.D  
Acq: 21 Nov 2024 14:18

Tgt Ion:165 Resp: 314478  
Ion Ratio Lower Upper  
165 100  
63 59.0 41.7 62.5  
89 83.1 65.8 98.8  
182 2.6 2.1 3.1

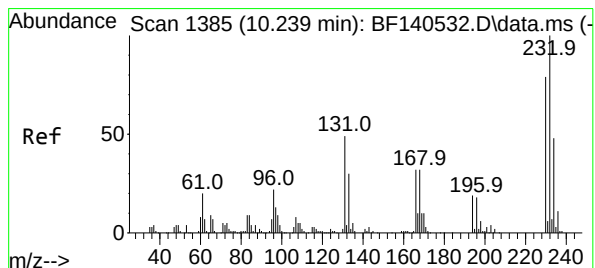
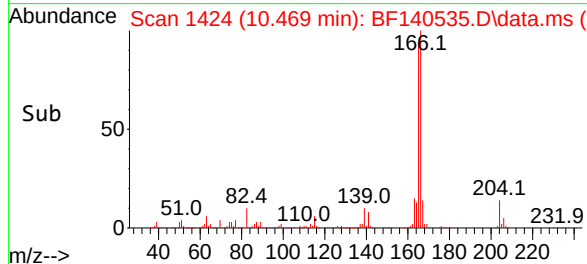
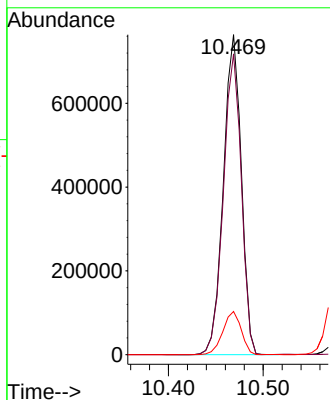
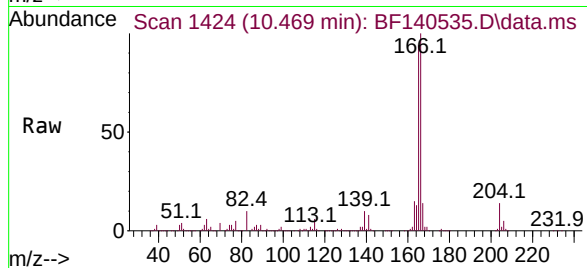




#58  
Fluorene  
Concen: 72.805 ng  
RT: 10.469 min Scan# 1423  
Delta R.T. 0.006 min  
Lab File: BF140535.D  
Acq: 21 Nov 2024 14:18

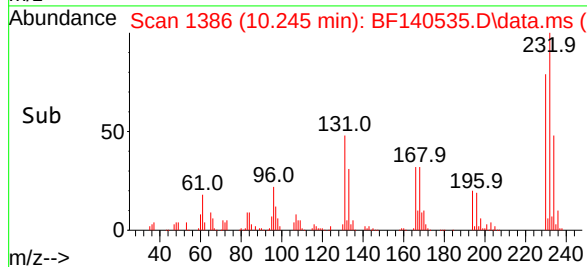
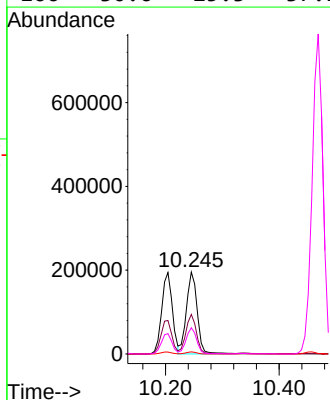
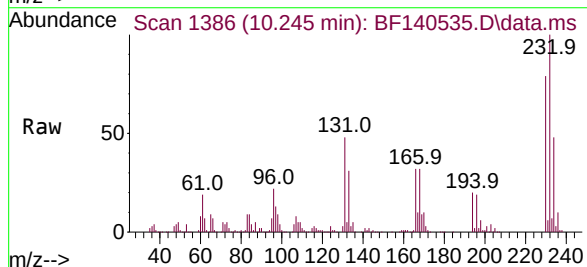
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC080

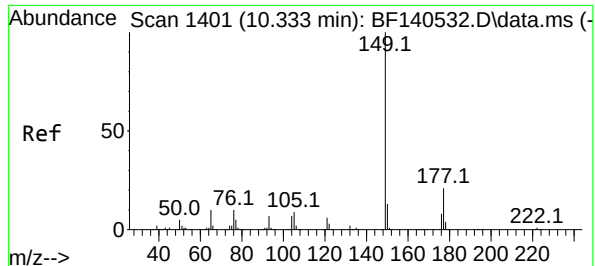
Tgt Ion:166 Resp: 1004537  
Ion Ratio Lower Upper  
166 100  
165 94.0 74.6 111.8  
167 13.5 10.6 16.0



#59  
2,3,4,6-Tetrachlorophenol  
Concen: 81.333 ng  
RT: 10.245 min Scan# 1386  
Delta R.T. 0.006 min  
Lab File: BF140535.D  
Acq: 21 Nov 2024 14:18

Tgt Ion:232 Resp: 258582  
Ion Ratio Lower Upper  
232 100  
131 47.1 39.6 59.4  
130 2.5 1.9 2.9  
166 30.6 25.3 37.9

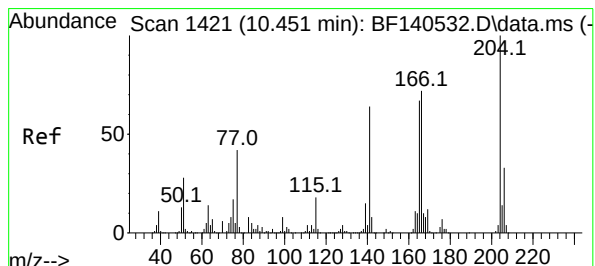
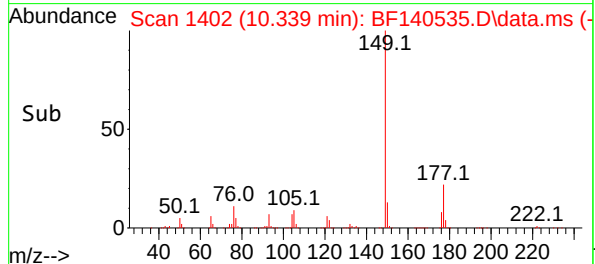
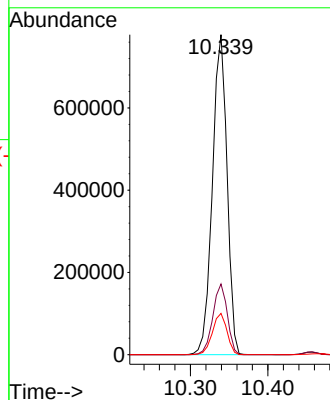
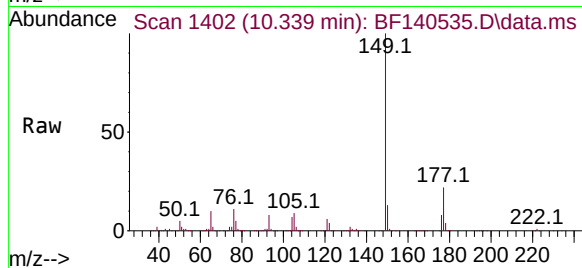




#60  
Diethylphthalate  
Concen: 73.747 ng  
RT: 10.339 min Scan# 1401  
Delta R.T. 0.006 min  
Lab File: BF140535.D  
Acq: 21 Nov 2024 14:18

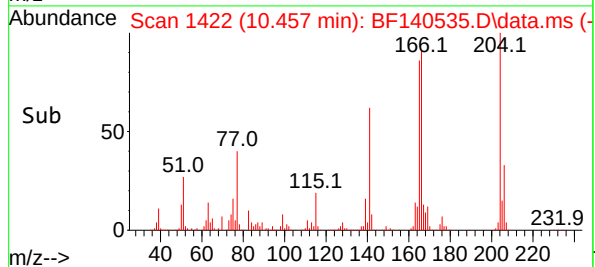
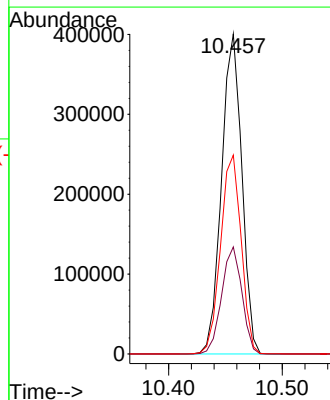
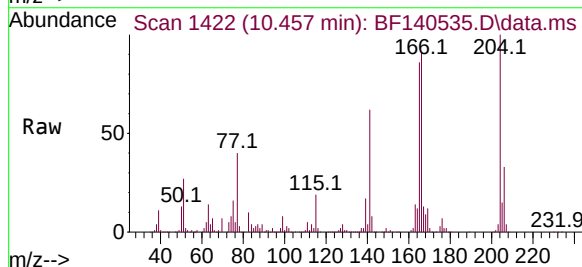
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC080

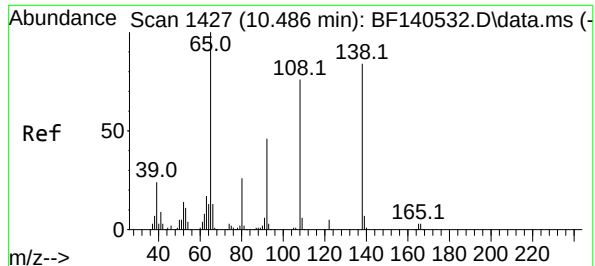
Tgt Ion:149 Resp: 1023948  
Ion Ratio Lower Upper  
149 100  
177 22.1 17.1 25.7  
150 12.9 10.1 15.1



#61  
4-Chlorophenyl-phenylether  
Concen: 73.378 ng  
RT: 10.457 min Scan# 1422  
Delta R.T. 0.006 min  
Lab File: BF140535.D  
Acq: 21 Nov 2024 14:18

Tgt Ion:204 Resp: 496862  
Ion Ratio Lower Upper  
204 100  
206 33.4 26.6 40.0  
141 62.1 51.1 76.7

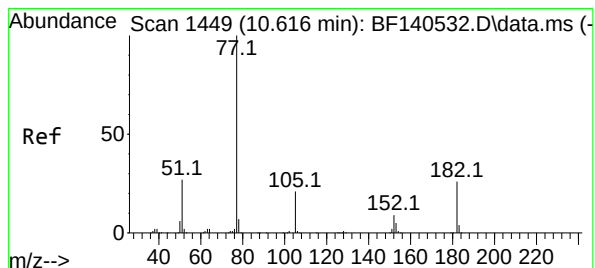
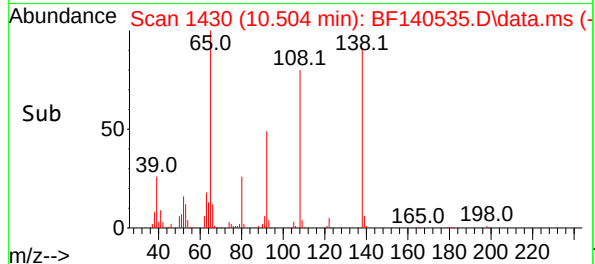
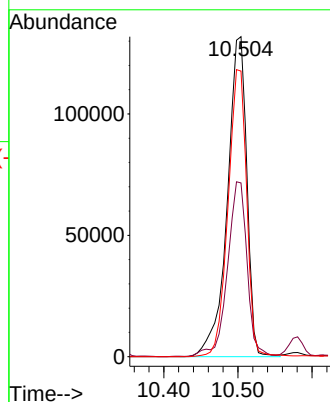
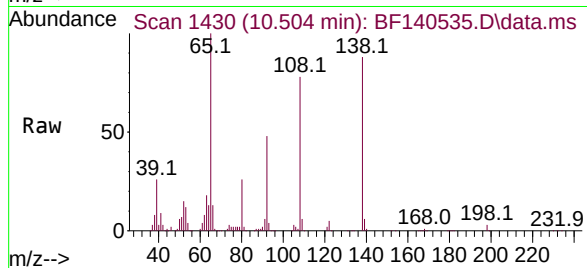




#62  
4-Nitroaniline  
Concen: 75.874 ng  
RT: 10.504 min Scan# 1430  
Delta R.T. 0.018 min  
Lab File: BF140535.D  
Acq: 21 Nov 2024 14:18

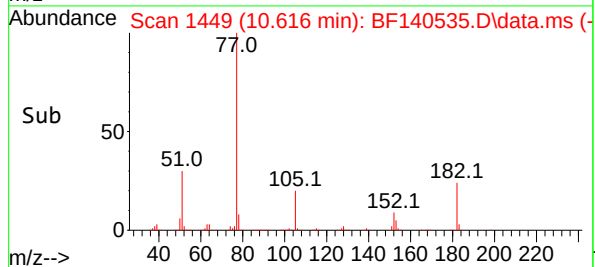
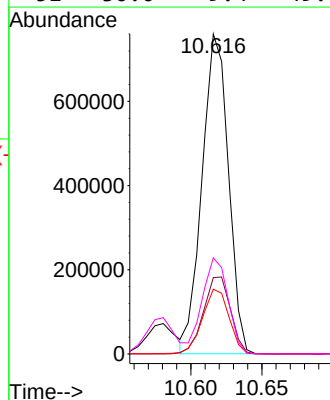
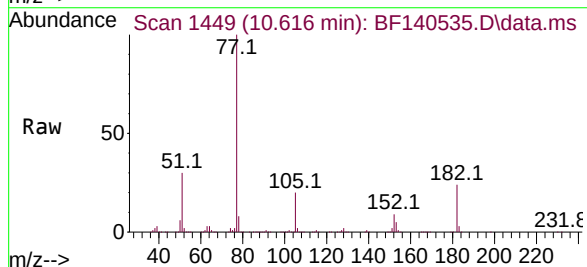
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC080

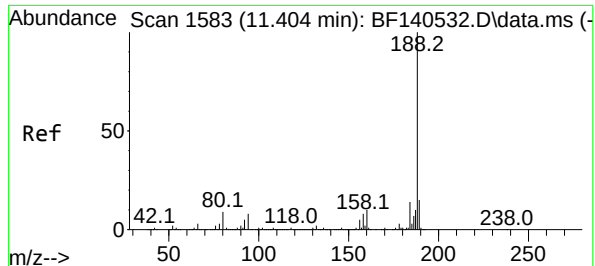
Tgt Ion:138 Resp: 241223  
Ion Ratio Lower Upper  
138 100  
92 54.3 34.5 74.5  
108 89.2 70.6 110.6



#63  
Azobenzene  
Concen: 74.448 ng  
RT: 10.616 min Scan# 1449  
Delta R.T. 0.000 min  
Lab File: BF140535.D  
Acq: 21 Nov 2024 14:18

Tgt Ion: 77 Resp: 978891  
Ion Ratio Lower Upper  
77 100  
182 23.8 5.3 45.3  
105 20.2 0.3 40.3  
51 30.0 9.4 49.4

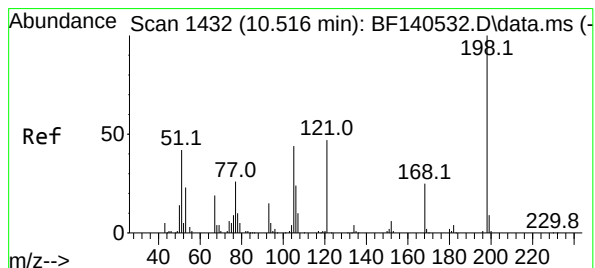
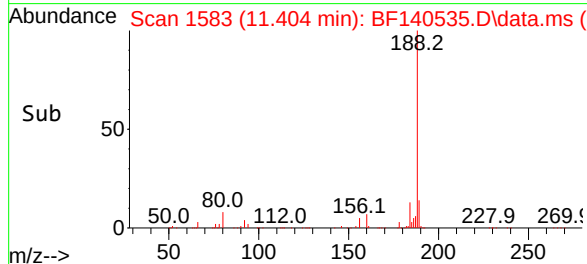
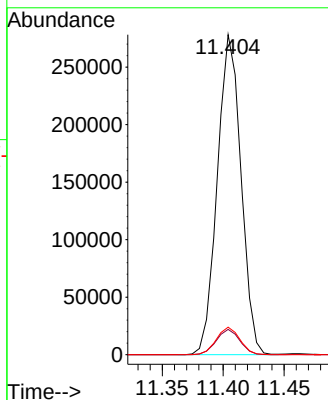
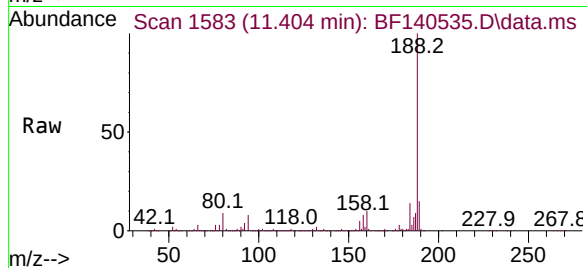




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.404 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BF140535.D  
Acq: 21 Nov 2024 14:18

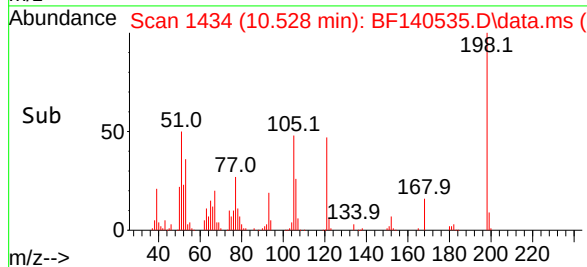
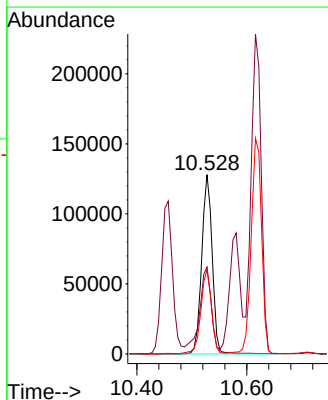
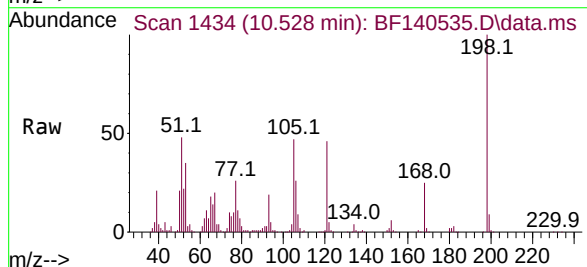
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC080

Tgt Ion:188 Resp: 377113  
Ion Ratio Lower Upper  
188 100  
94 7.9 6.4 9.6  
80 8.6 6.9 10.3

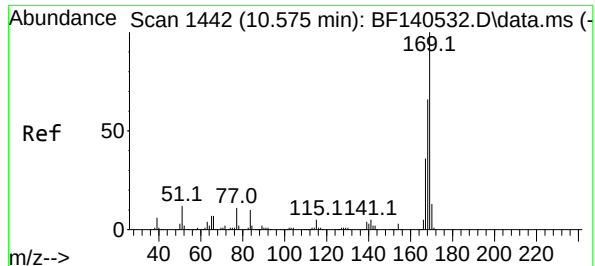


#65  
4,6-Dinitro-2-methylphenol  
Concen: 88.305 ng  
RT: 10.528 min Scan# 1434  
Delta R.T. 0.012 min  
Lab File: BF140535.D  
Acq: 21 Nov 2024 14:18

Tgt Ion:198 Resp: 170169  
Ion Ratio Lower Upper  
198 100  
51 48.5 29.4 69.4  
105 47.0 25.4 65.4



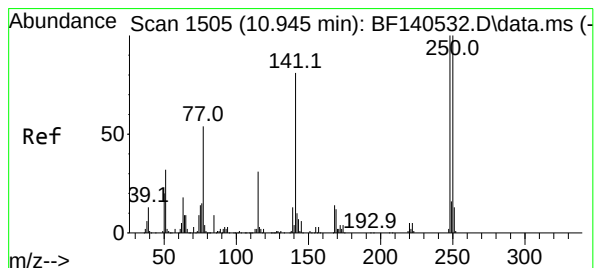
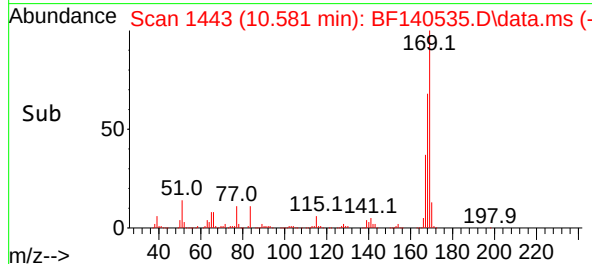
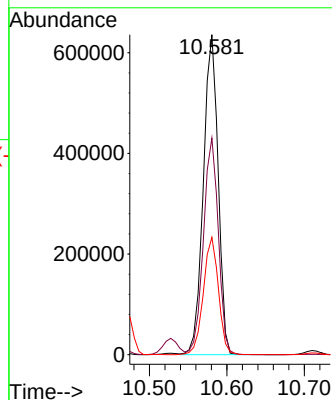
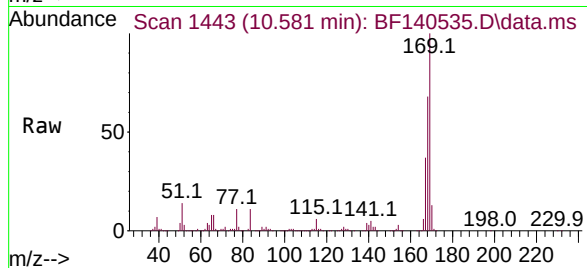




#66  
n-Nitrosodiphenylamine  
Concen: 75.504 ng  
RT: 10.581 min Scan# 1442  
Delta R.T. 0.006 min  
Lab File: BF140535.D  
Acq: 21 Nov 2024 14:18

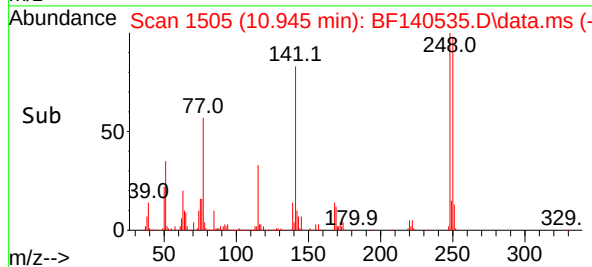
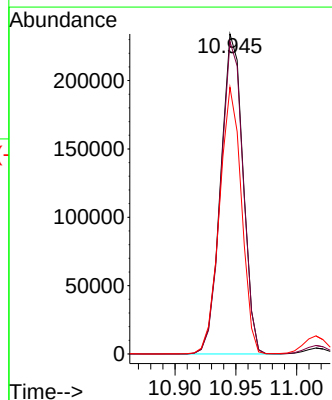
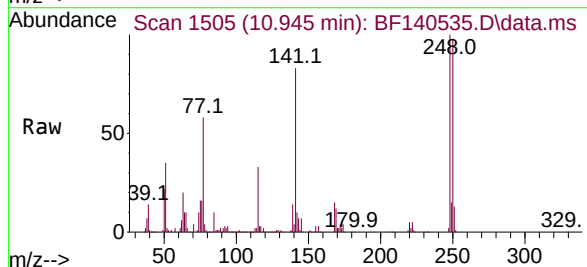
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC080

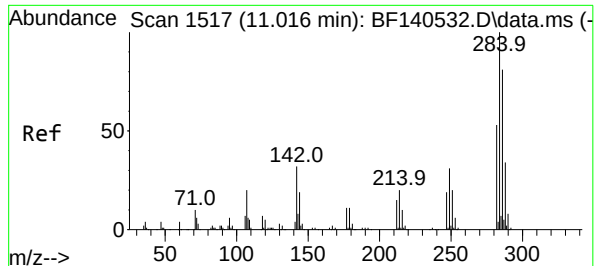
Tgt Ion:169 Resp: 842038  
Ion Ratio Lower Upper  
169 100  
168 67.7 53.2 79.8  
167 36.6 29.0 43.6



#67  
4-Bromophenyl-phenylether  
Concen: 76.842 ng  
RT: 10.945 min Scan# 1505  
Delta R.T. 0.000 min  
Lab File: BF140535.D  
Acq: 21 Nov 2024 14:18

Tgt Ion:248 Resp: 298430  
Ion Ratio Lower Upper  
248 100  
250 97.7 79.8 119.8  
141 83.4 64.7 97.1

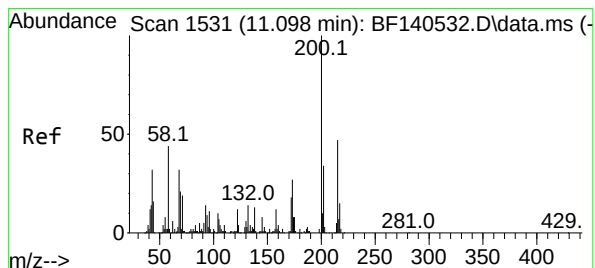
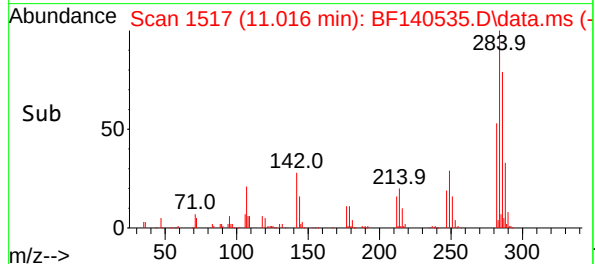
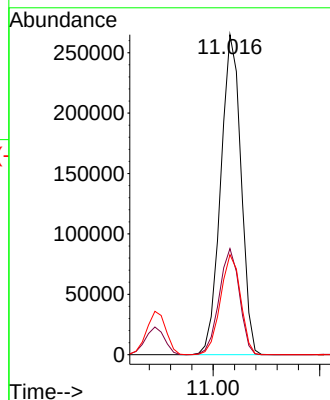
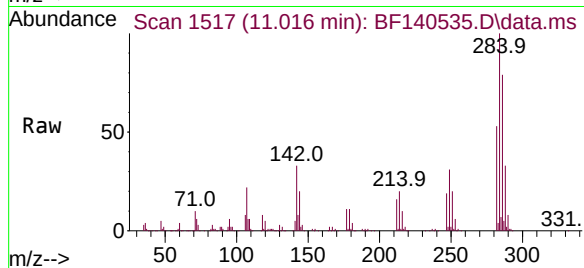




#68  
Hexachlorobenzene  
Concen: 77.757 ng  
RT: 11.016 min Scan# 1517  
Delta R.T. 0.000 min  
Lab File: BF140535.D  
Acq: 21 Nov 2024 14:18

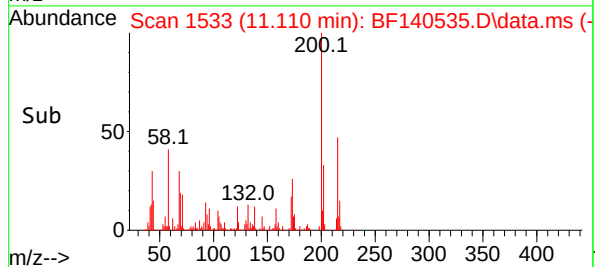
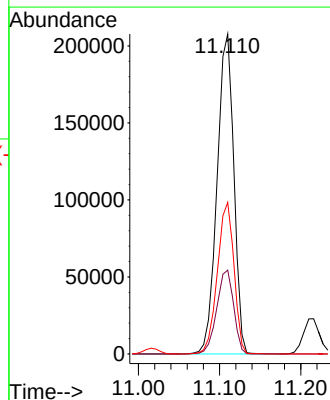
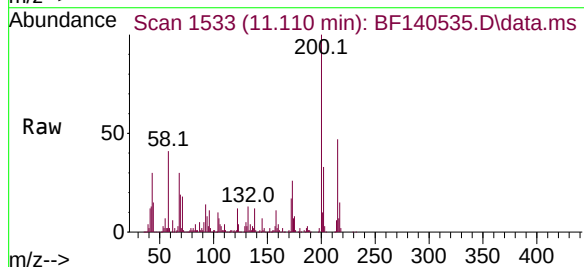
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC080

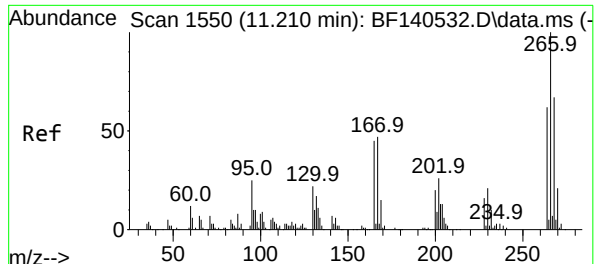
Tgt Ion:284 Resp: 349669  
Ion Ratio Lower Upper  
284 100  
142 33.1 25.3 37.9  
249 31.2 24.8 37.2



#69  
Atrazine  
Concen: 95.222 ng  
RT: 11.110 min Scan# 1533  
Delta R.T. 0.012 min  
Lab File: BF140535.D  
Acq: 21 Nov 2024 14:18

Tgt Ion:200 Resp: 298744  
Ion Ratio Lower Upper  
200 100  
173 26.2 7.0 47.0  
215 47.4 26.7 66.7





#70

Pentachlorophenol

Concen: 89.792 ng

RT: 11.216 min Scan# 1550

Delta R.T. 0.006 min

Lab File: BF140535.D

Acq: 21 Nov 2024 14:18

Instrument :

BNA\_F

ClientSampleId :

SSTDICC080

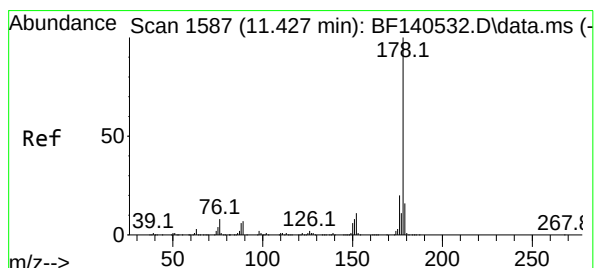
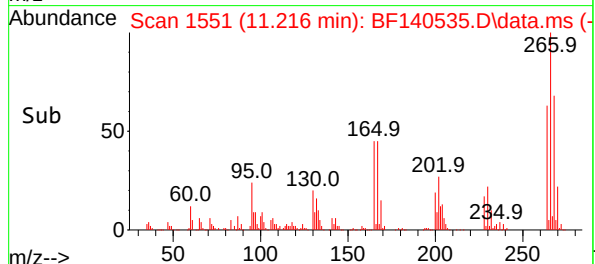
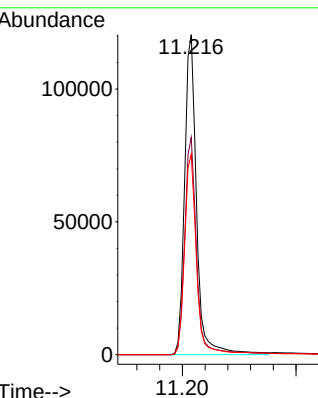
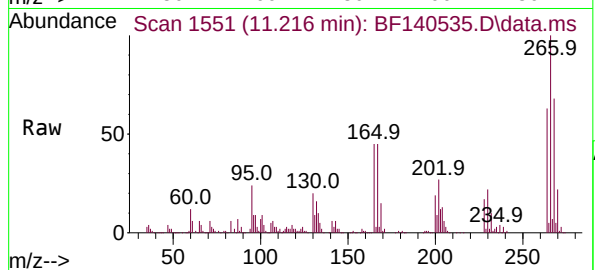
Tgt Ion:266 Resp: 177717

Ion Ratio Lower Upper

266 100

268 67.9 53.7 80.5

264 62.6 49.8 74.8



#71

Phenanthrene

Concen: 73.334 ng

RT: 11.433 min Scan# 1588

Delta R.T. 0.006 min

Lab File: BF140535.D

Acq: 21 Nov 2024 14:18

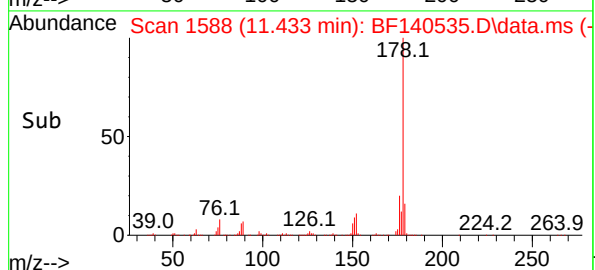
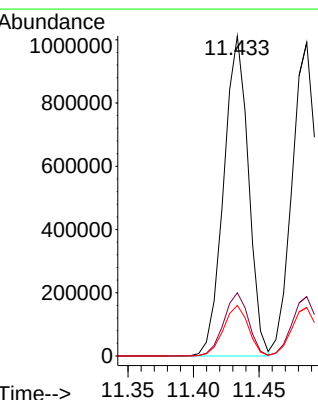
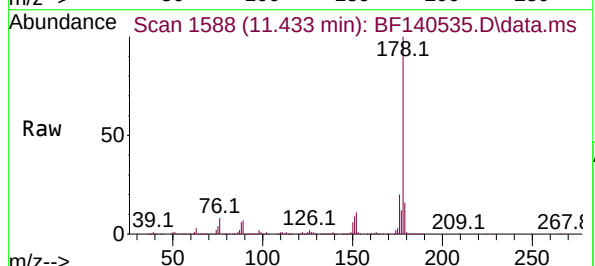
Tgt Ion:178 Resp: 1329366

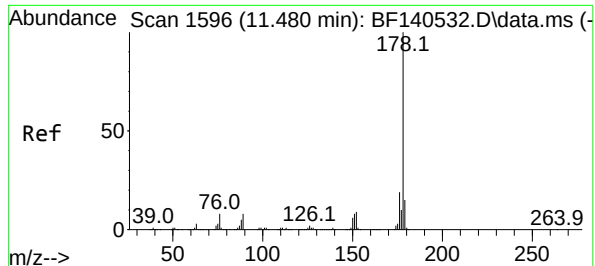
Ion Ratio Lower Upper

178 100

176 19.8 15.8 23.6

179 15.8 12.4 18.6

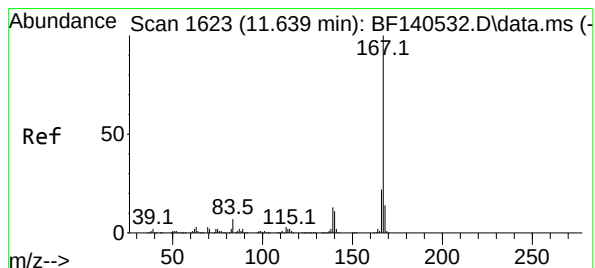
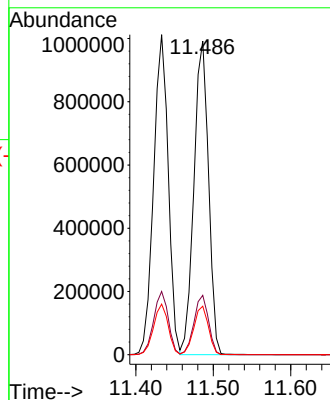
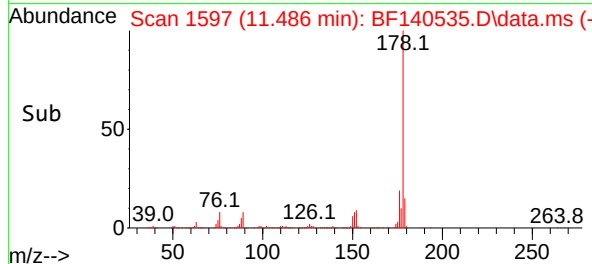
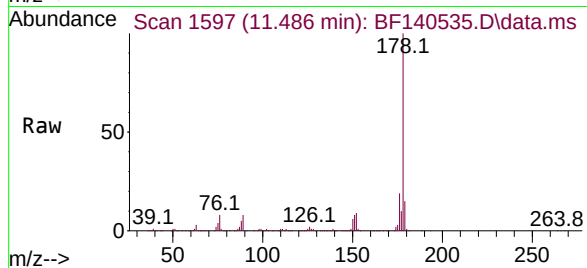




#72  
Anthracene  
Concen: 73.050 ng  
RT: 11.486 min Scan# 1596  
Delta R.T. 0.006 min  
Lab File: BF140535.D  
Acq: 21 Nov 2024 14:18

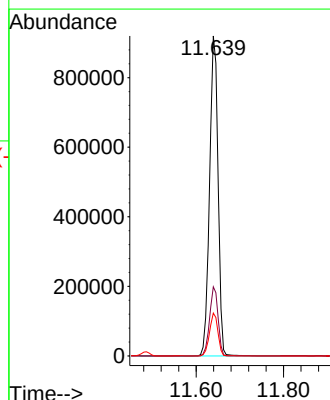
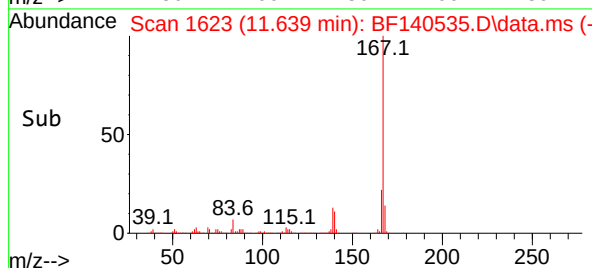
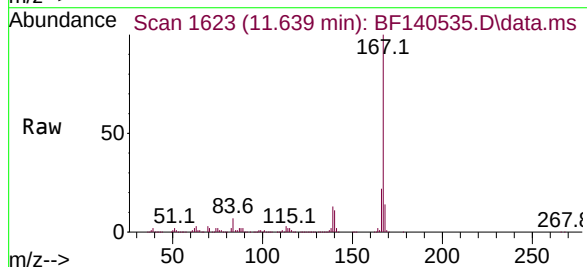
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC080

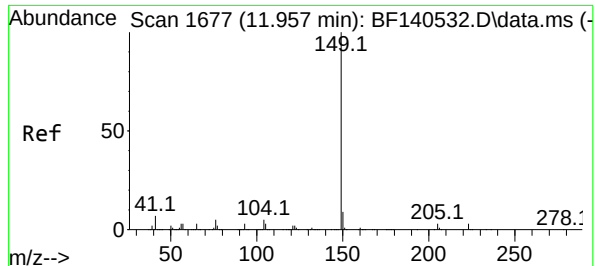
Tgt Ion:178 Resp: 1295331  
Ion Ratio Lower Upper  
178 100  
176 18.9 15.0 22.4  
179 15.5 12.2 18.4



#73  
Carbazole  
Concen: 72.617 ng  
RT: 11.639 min Scan# 1623  
Delta R.T. 0.000 min  
Lab File: BF140535.D  
Acq: 21 Nov 2024 14:18

Tgt Ion:167 Resp: 1238730  
Ion Ratio Lower Upper  
167 100  
166 21.6 17.2 25.8  
139 13.4 10.6 15.8

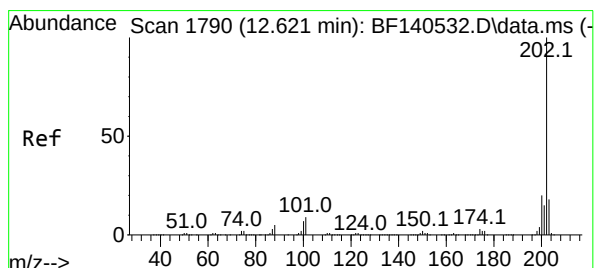
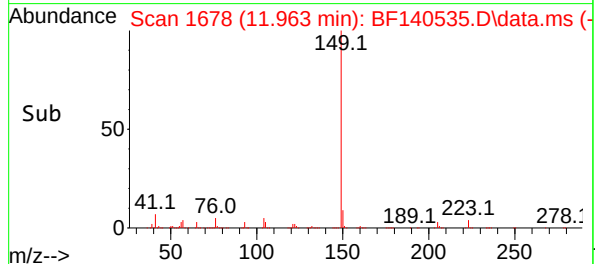
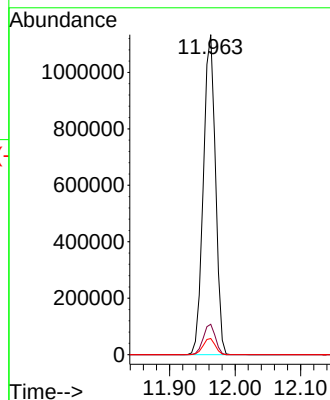
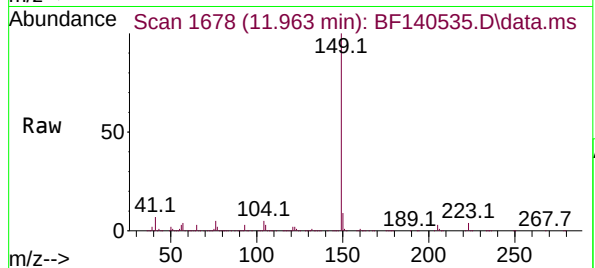




#74  
Di-n-butylphthalate  
Concen: 74.036 ng  
RT: 11.963 min Scan# 1678  
Delta R.T. 0.006 min  
Lab File: BF140535.D  
Acq: 21 Nov 2024 14:18

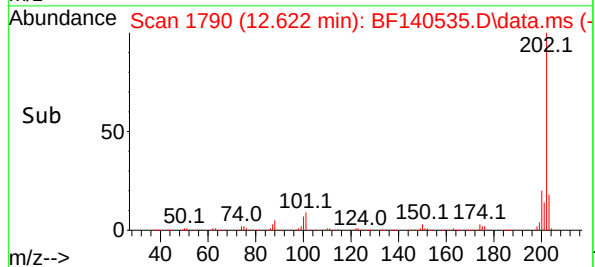
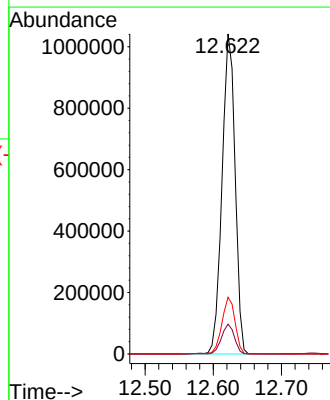
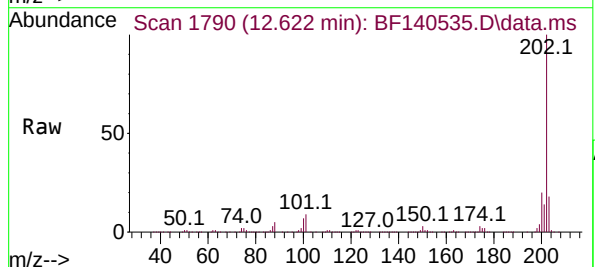
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC080

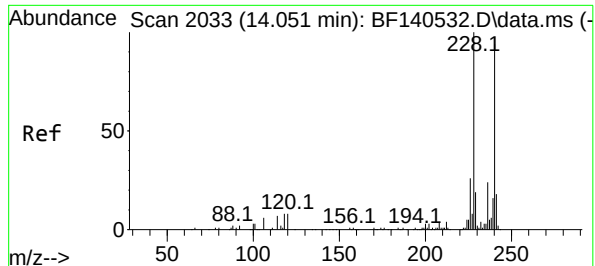
Tgt Ion:149 Resp: 1458047  
Ion Ratio Lower Upper  
149 100  
150 9.5 7.5 11.3  
104 5.1 4.1 6.1



#75  
Fluoranthene  
Concen: 70.598 ng  
RT: 12.622 min Scan# 1790  
Delta R.T. 0.000 min  
Lab File: BF140535.D  
Acq: 21 Nov 2024 14:18

Tgt Ion:202 Resp: 1389485  
Ion Ratio Lower Upper  
202 100  
101 9.3 0.0 28.9  
203 17.7 0.0 37.6

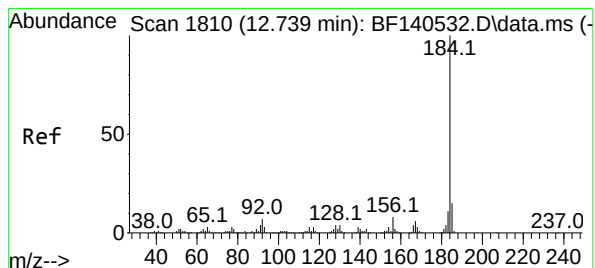
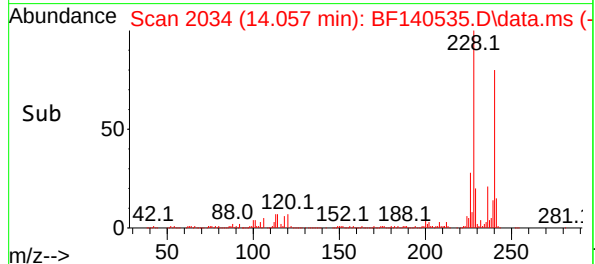
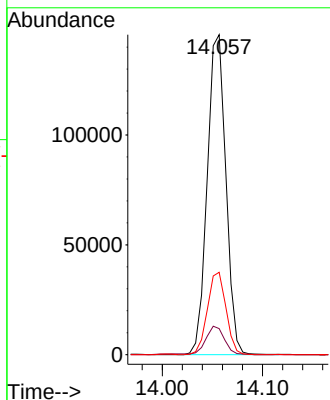
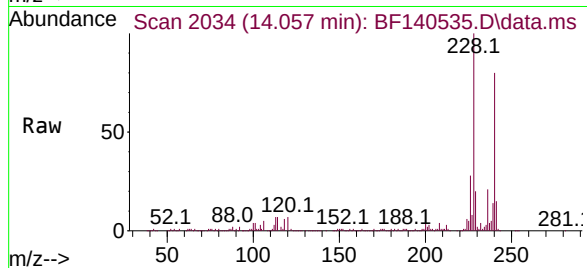




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.057 min Scan# 2034  
Delta R.T. 0.006 min  
Lab File: BF140535.D  
Acq: 21 Nov 2024 14:18

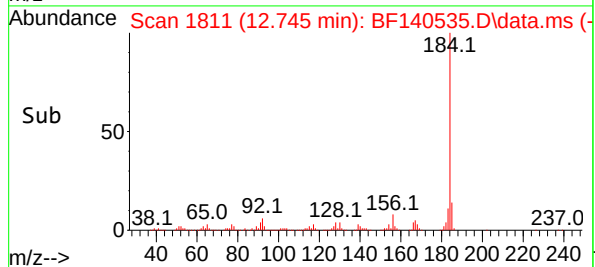
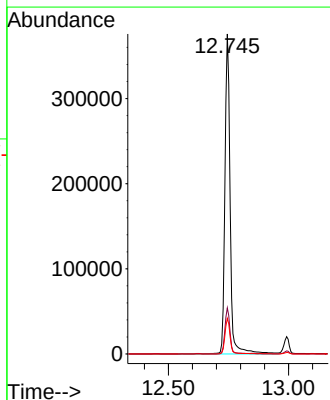
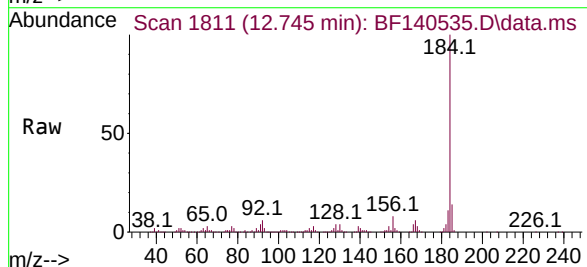
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC080

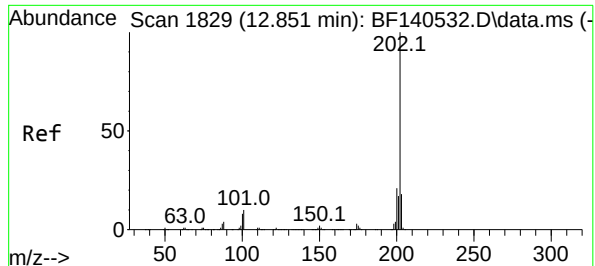
Tgt Ion:240 Resp: 187912  
Ion Ratio Lower Upper  
240 100  
120 8.2 7.3 10.9  
236 25.8 20.6 31.0



#77  
Benzidine  
Concen: 103.300 ng  
RT: 12.745 min Scan# 1811  
Delta R.T. 0.006 min  
Lab File: BF140535.D  
Acq: 21 Nov 2024 14:18

Tgt Ion:184 Resp: 564372  
Ion Ratio Lower Upper  
184 100  
185 14.4 11.7 17.5  
183 11.1 8.8 13.2

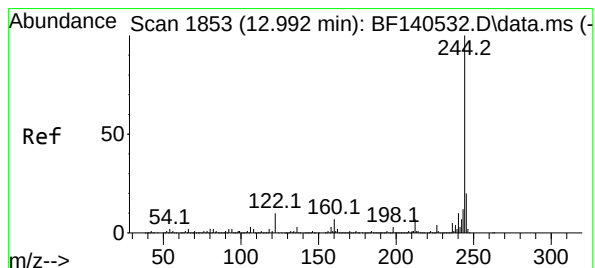
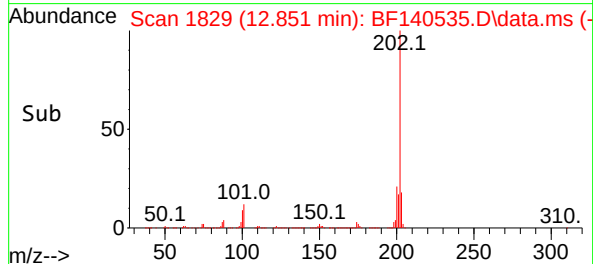
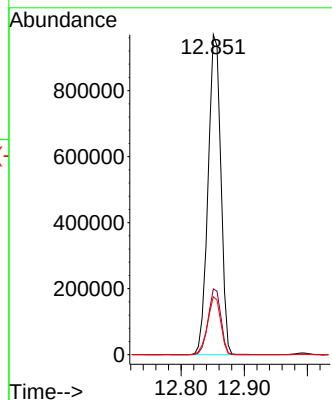
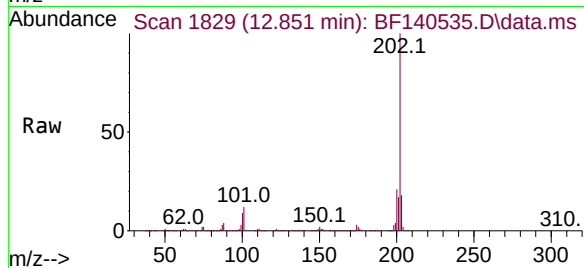




#78  
Pyrene  
Concen: 77.840 ng  
RT: 12.851 min Scan# 1829  
Delta R.T. 0.000 min  
Lab File: BF140535.D  
Acq: 21 Nov 2024 14:18

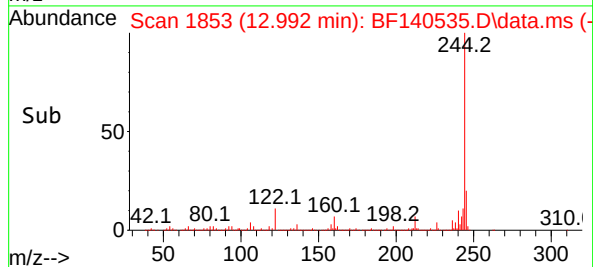
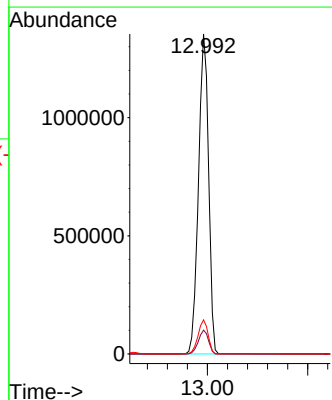
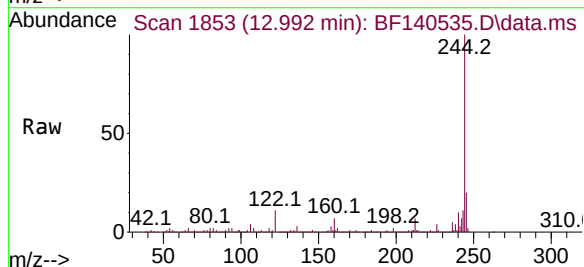
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC080

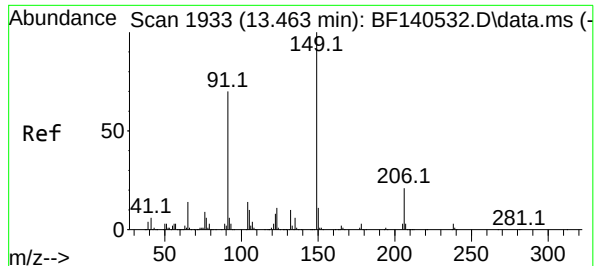
Tgt Ion:202 Resp: 1352459  
Ion Ratio Lower Upper  
202 100  
200 20.5 16.5 24.7  
203 18.1 14.2 21.4



#79  
Terphenyl-d14  
Concen: 156.171 ng  
RT: 12.992 min Scan# 1853  
Delta R.T. 0.000 min  
Lab File: BF140535.D  
Acq: 21 Nov 2024 14:18

Tgt Ion:244 Resp: 1884646  
Ion Ratio Lower Upper  
244 100  
212 7.5 5.8 8.8  
122 10.7 8.0 12.0

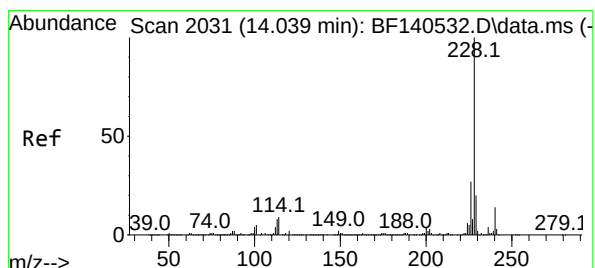
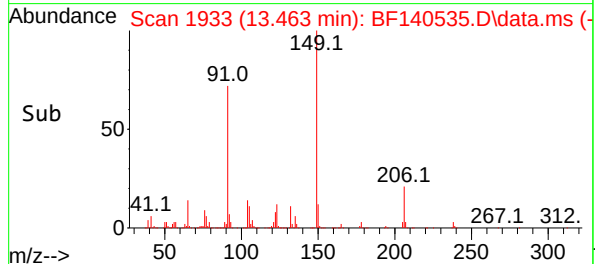
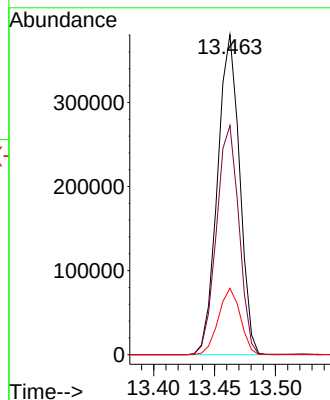
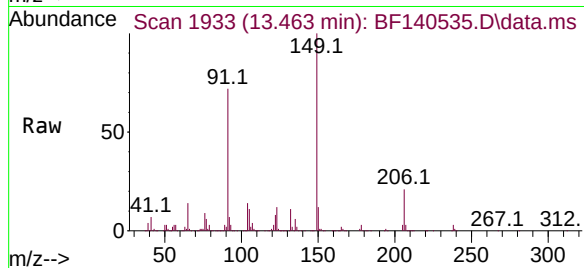




#80  
Butylbenzylphthalate  
Concen: 76.981 ng  
RT: 13.463 min Scan# 1933  
Delta R.T. 0.000 min  
Lab File: BF140535.D  
Acq: 21 Nov 2024 14:18

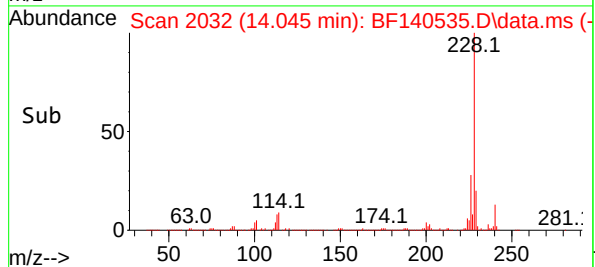
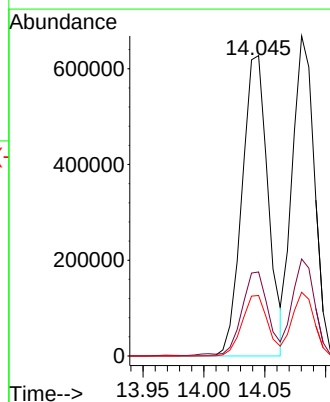
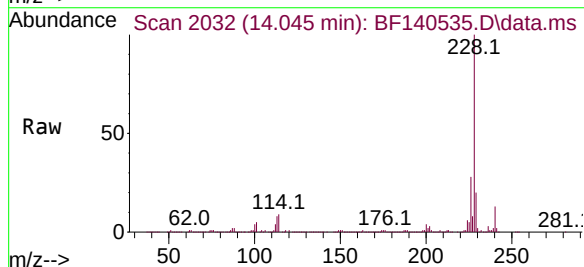
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC080

Tgt Ion:149 Resp: 481834  
Ion Ratio Lower Upper  
149 100  
91 71.6 56.2 84.2  
206 20.8 16.4 24.6

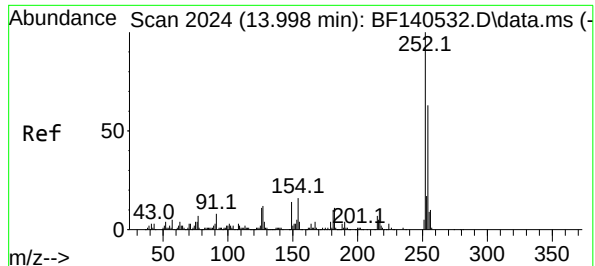


#81  
Benzo(a)anthracene  
Concen: 75.038 ng  
RT: 14.045 min Scan# 2032  
Delta R.T. 0.006 min  
Lab File: BF140535.D  
Acq: 21 Nov 2024 14:18

Tgt Ion:228 Resp: 933395  
Ion Ratio Lower Upper  
228 100  
226 28.0 21.8 32.8  
229 20.1 15.8 23.6







#82

3,3'-Dichlorobenzidine

Concen: 79.219 ng

RT: 14.004 min Scan# 2025

Delta R.T. 0.006 min

Lab File: BF140535.D

Acq: 21 Nov 2024 14:18

Instrument :

BNA\_F

ClientSampleId :

SSTDICC080

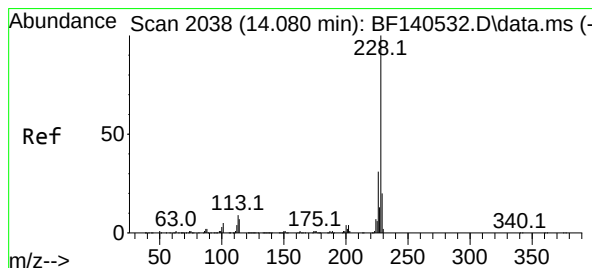
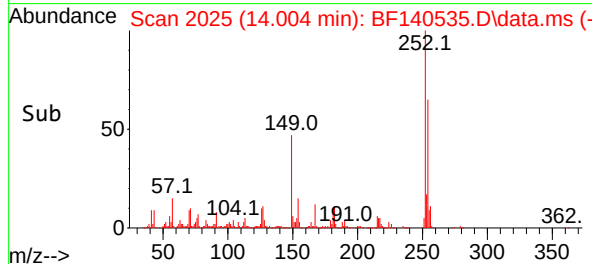
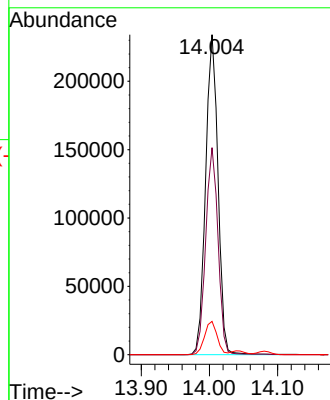
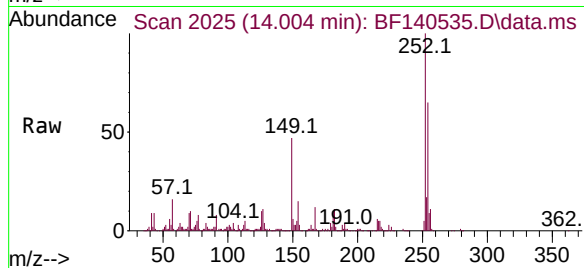
Tgt Ion:252 Resp: 295857

Ion Ratio Lower Upper

252 100

254 64.7 50.8 76.2

126 10.4 8.6 13.0



#83

Chrysene

Concen: 74.518 ng

RT: 14.080 min Scan# 2038

Delta R.T. 0.000 min

Lab File: BF140535.D

Acq: 21 Nov 2024 14:18

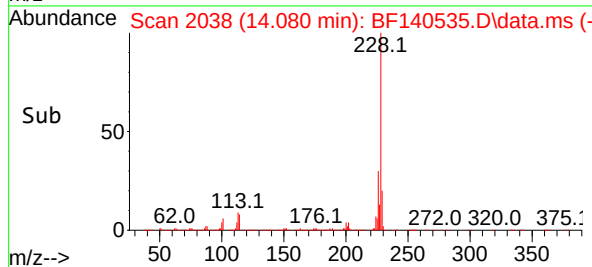
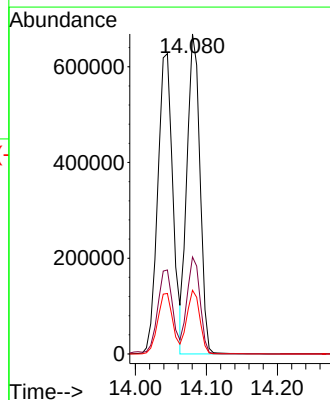
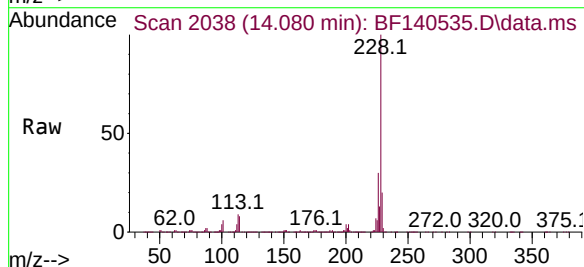
Tgt Ion:228 Resp: 847578

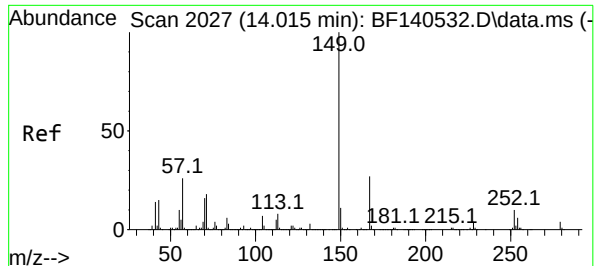
Ion Ratio Lower Upper

228 100

226 30.3 24.4 36.6

229 19.9 15.8 23.6

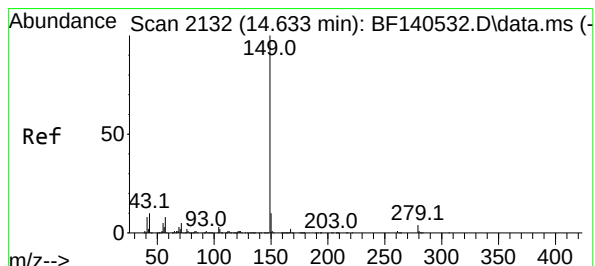
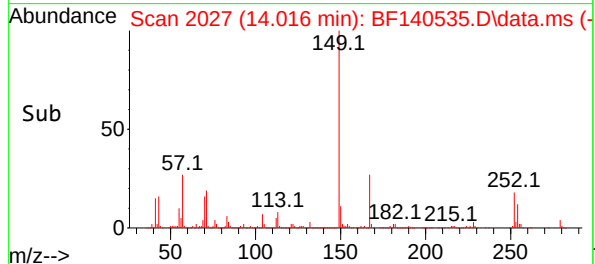
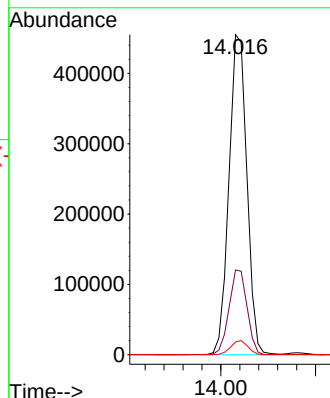
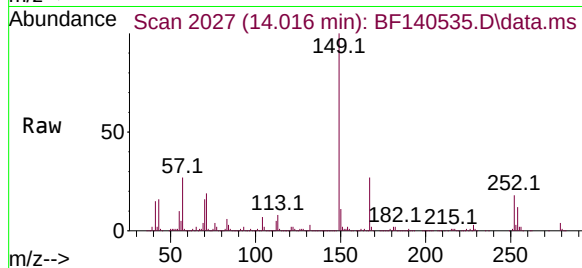




#84  
Bis(2-ethylhexyl)phthalate  
Concen: 75.781 ng  
RT: 14.016 min Scan# 2027  
Delta R.T. 0.000 min  
Lab File: BF140535.D  
Acq: 21 Nov 2024 14:18

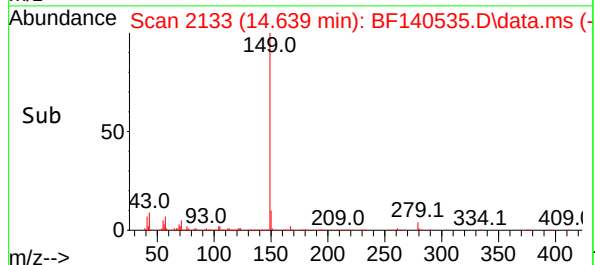
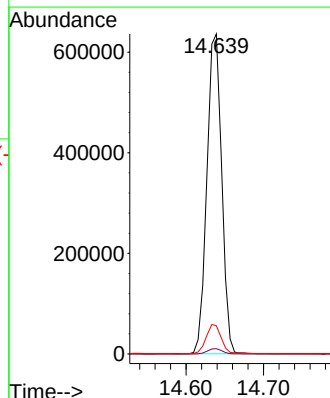
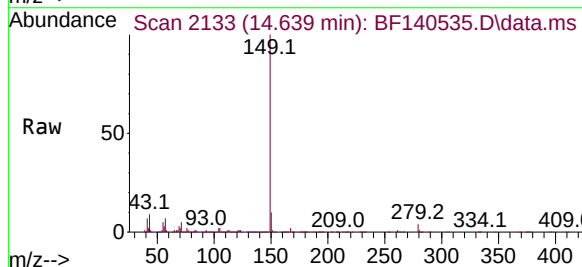
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC080

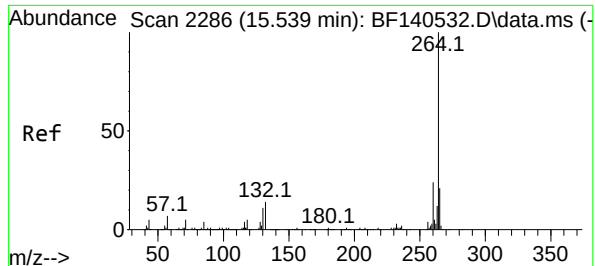
Tgt Ion:149 Resp: 598926  
Ion Ratio Lower Upper  
149 100  
167 26.5 21.2 31.8  
279 4.0 3.2 4.8



#85  
Di-n-octyl phthalate  
Concen: 78.011 ng  
RT: 14.639 min Scan# 2133  
Delta R.T. 0.006 min  
Lab File: BF140535.D  
Acq: 21 Nov 2024 14:18

Tgt Ion:149 Resp: 842600  
Ion Ratio Lower Upper  
149 100  
167 1.7 1.3 1.9  
43 9.5 7.7 11.5

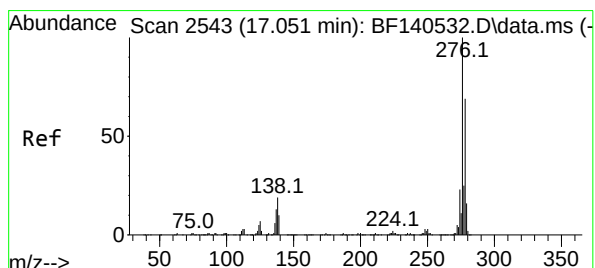
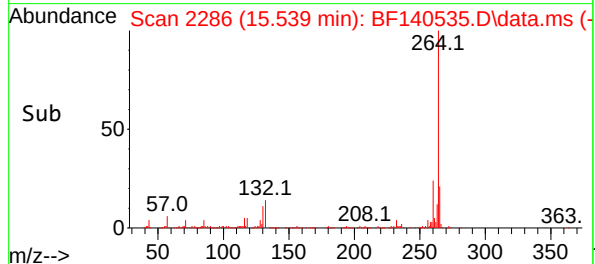
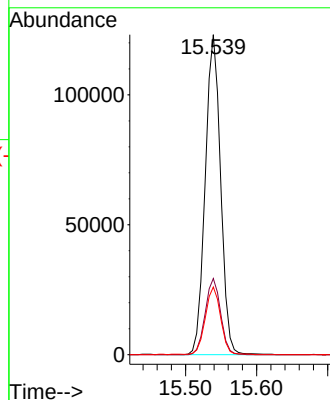
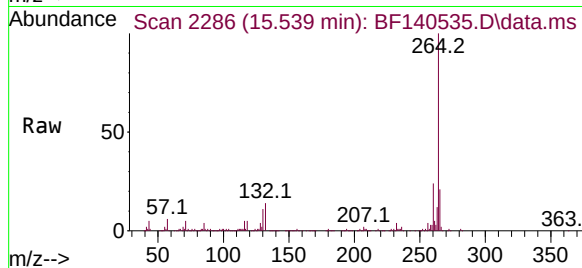




#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.539 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: BF140535.D  
Acq: 21 Nov 2024 14:18

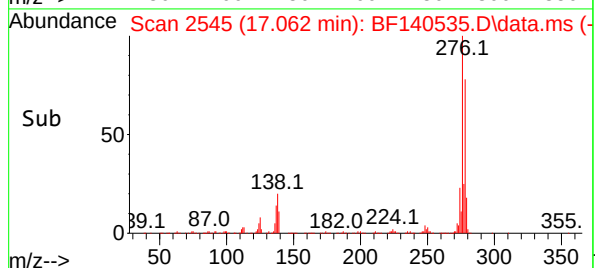
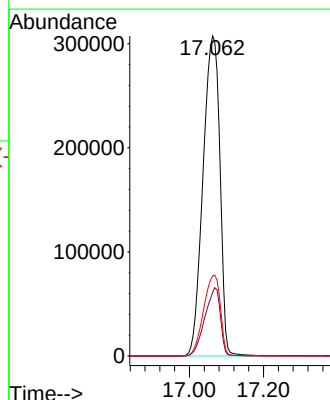
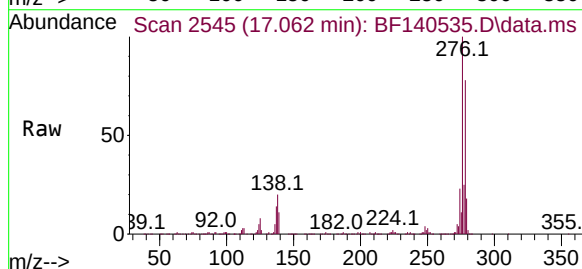
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC080

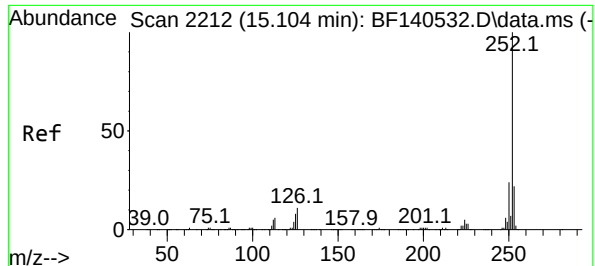
Tgt Ion:264 Resp: 185457  
Ion Ratio Lower Upper  
264 100  
260 23.8 19.0 28.6  
265 21.1 16.6 25.0



#87  
Indeno(1,2,3-cd)pyrene  
Concen: 80.586 ng  
RT: 17.062 min Scan# 2545  
Delta R.T. 0.012 min  
Lab File: BF140535.D  
Acq: 21 Nov 2024 14:18

Tgt Ion:276 Resp: 973960  
Ion Ratio Lower Upper  
276 100  
138 19.6 15.5 23.3  
277 25.2 20.1 30.1

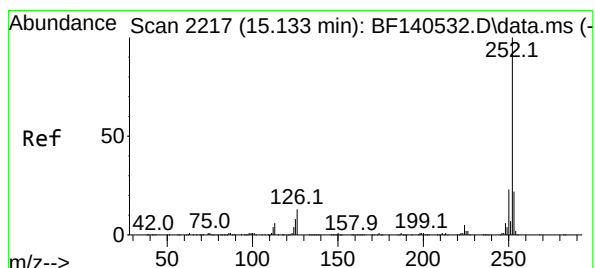
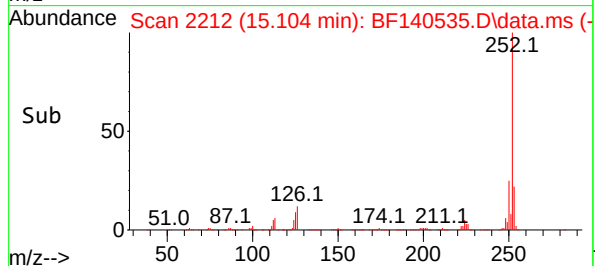
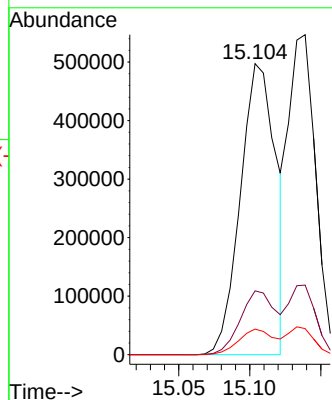
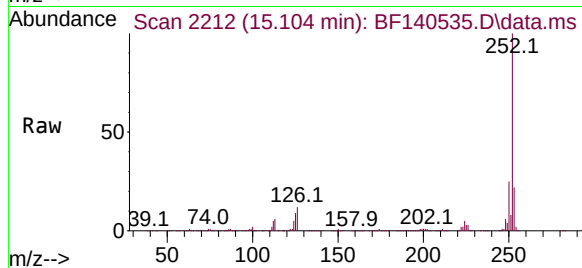




#88  
Benzo(b)fluoranthene  
Concen: 74.378 ng  
RT: 15.104 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: BF140535.D  
Acq: 21 Nov 2024 14:18

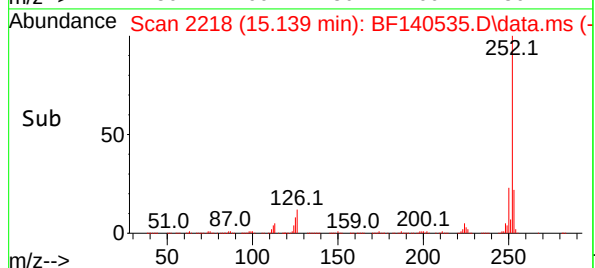
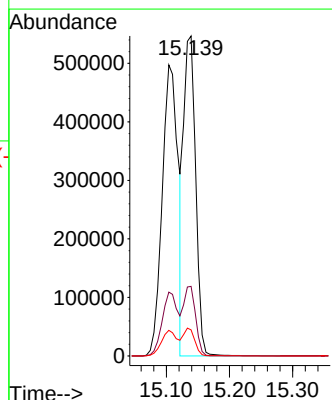
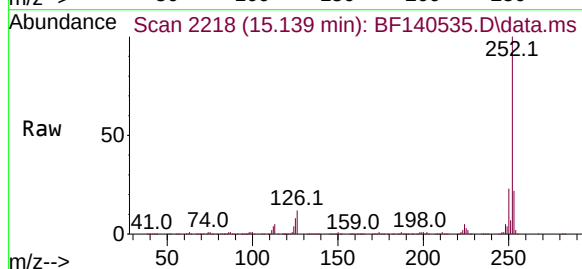
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC080

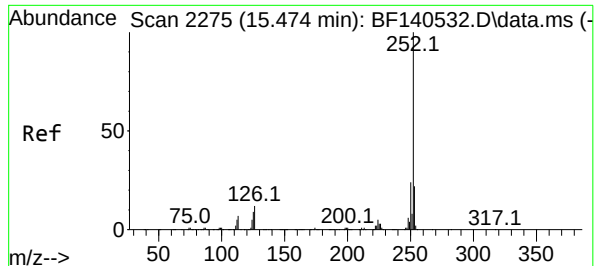
Tgt Ion:252 Resp: 866416  
Ion Ratio Lower Upper  
252 100  
253 21.9 17.2 25.8  
125 8.8 6.7 10.1



#89  
Benzo(k)fluoranthene  
Concen: 71.283 ng  
RT: 15.139 min Scan# 2218  
Delta R.T. 0.006 min  
Lab File: BF140535.D  
Acq: 21 Nov 2024 14:18

Tgt Ion:252 Resp: 726636  
Ion Ratio Lower Upper  
252 100  
253 21.8 17.5 26.3  
125 8.1 6.5 9.7

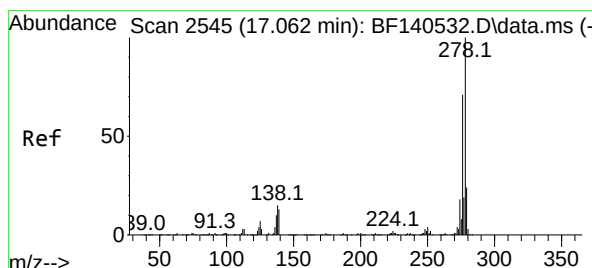
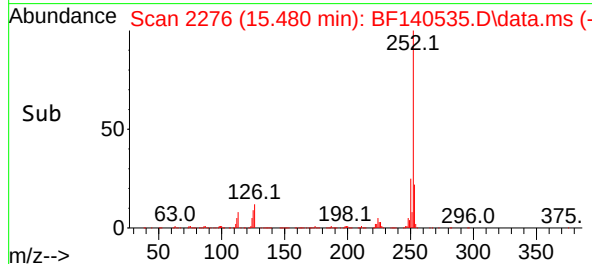
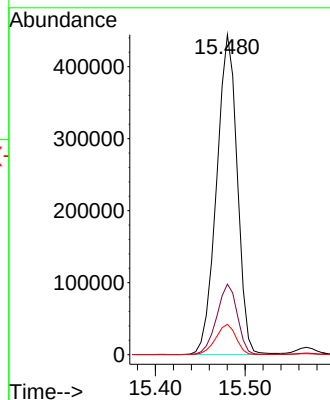
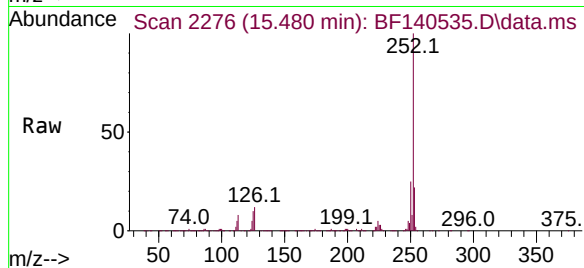




#90  
Benzo(a)pyrene  
Concen: 74.969 ng  
RT: 15.480 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: BF140535.D  
Acq: 21 Nov 2024 14:18

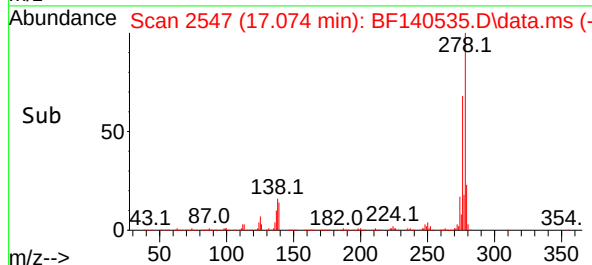
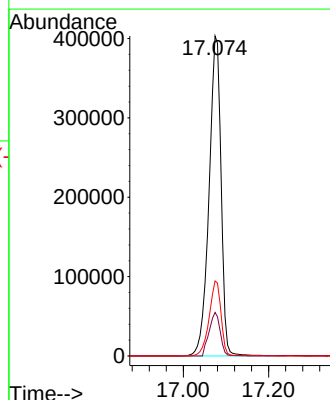
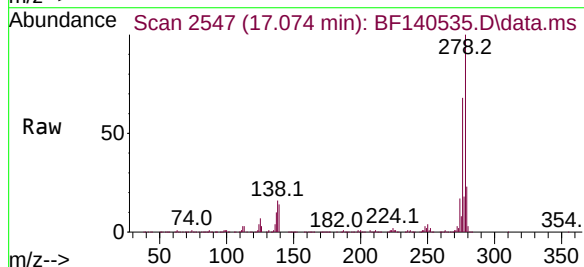
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC080

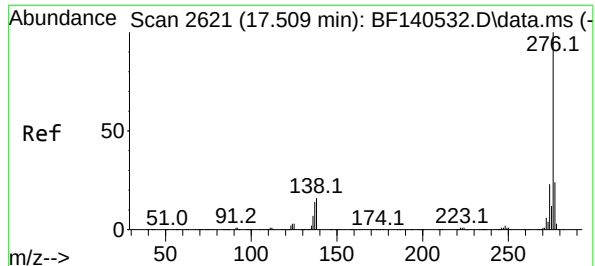
Tgt Ion:252 Resp: 710060  
Ion Ratio Lower Upper  
252 100  
253 22.0 17.3 25.9  
125 9.5 7.0 10.6



#91  
Dibenzo(a,h)anthracene  
Concen: 79.722 ng  
RT: 17.074 min Scan# 2547  
Delta R.T. 0.012 min  
Lab File: BF140535.D  
Acq: 21 Nov 2024 14:18

Tgt Ion:278 Resp: 789090  
Ion Ratio Lower Upper  
278 100  
139 13.6 10.2 15.4  
279 23.4 18.9 28.3





#92

Benzo(g,h,i)perylene

Concen: 79.559 ng

RT: 17.521 min Scan# 20

Delta R.T. 0.012 min

Lab File: BF140535.D

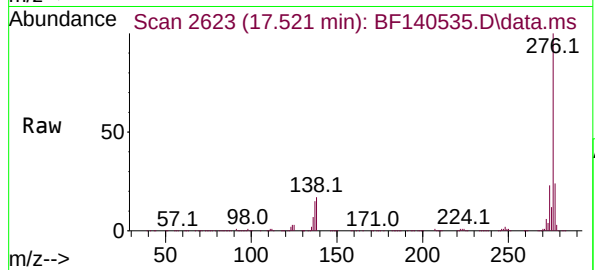
Acq: 21 Nov 2024 14:18

Instrument :

BNA\_F

ClientSampleId :

SSTDICC080



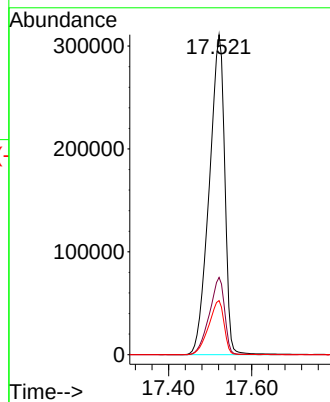
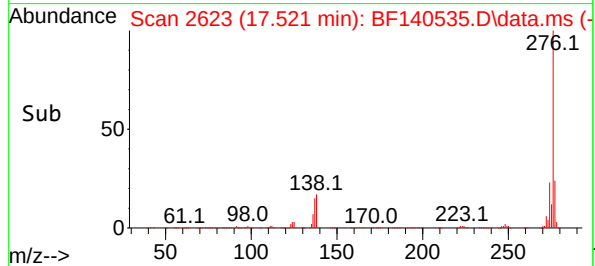
Tgt Ion:276 Resp: 803570

Ion Ratio Lower Upper

276 100

277 24.1 18.9 28.3

138 16.9 13.2 19.8



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF112124\  
 Data File : BF140536.D  
 Acq On : 21 Nov 2024 15:07  
 Operator : RC/JU  
 Sample : SSTDICV040  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

## Instrument :

BNA\_F

## ClientSampleId :

ICVBF112124

## Manual Integrations

## APPROVED

Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/27/2024

Quant Time: Nov 21 16:11:44 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF112124.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Thu Nov 21 15:23:48 2024

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.875  | 152  | 106835   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.157  | 136  | 417612   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.916  | 164  | 239418   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.404 | 188  | 448820   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 14.057 | 240  | 266538   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12              | 15.551 | 264  | 215076   | 20.000 | ng    | 0.01     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.498  | 112  | 494717   | 79.009 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.516  | 99   | 674309   | 81.459 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.439  | 82   | 644226   | 78.907 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.710 | 330  | 204020   | 79.677 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.227  | 172  | 1227501  | 76.390 | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.992 | 244  | 1291669  | 75.460 | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.640  | 88   | 102768   | 39.036 | ng    | 99       |
| 3) Pyridine                   | 3.410  | 79   | 258925   | 44.701 | ng    | 99       |
| 4) n-Nitrosodimethylamine     | 3.369  | 42   | 140208   | 41.184 | ng    | 98       |
| 6) Aniline                    | 6.539  | 93   | 274234   | 47.067 | ng    | 91       |
| 8) 2-Chlorophenol             | 6.663  | 128  | 270746   | 40.191 | ng    | 98       |
| 9) Benzaldehyde               | 6.428  | 77   | 161873   | 36.939 | ng    | 99       |
| 10) Phenol                    | 6.528  | 94   | 346860   | 41.030 | ng    | 98       |
| 11) bis(2-Chloroethyl)ether   | 6.610  | 93   | 257441   | 39.796 | ng    | 99       |
| 12) 1,3-Dichlorobenzene       | 6.816  | 146  | 300749   | 39.732 | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 6.892  | 146  | 304030   | 39.668 | ng    | 100      |
| 14) 1,2-Dichlorobenzene       | 7.045  | 146  | 283001   | 39.406 | ng    | 98       |
| 15) Benzyl Alcohol            | 7.016  | 79   | 257787   | 41.993 | ng    | 98       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.145  | 45   | 314742   | 41.183 | ng    | 93       |
| 17) 2-Methylphenol            | 7.133  | 107  | 224359   | 41.606 | ng    | 98       |
| 18) Hexachloroethane          | 7.381  | 117  | 114809   | 40.108 | ng    | 98       |
| 19) n-Nitroso-di-n-propyla... | 7.286  | 70   | 205658   | 42.038 | ng    | 99       |
| 20) 3+4-Methylphenols         | 7.286  | 107  | 287897   | 41.536 | ng    | 98       |
| 22) Acetophenone              | 7.281  | 105  | 396692   | 38.963 | ng    | 99       |
| 24) Nitrobenzene              | 7.457  | 77   | 330161   | 39.127 | ng    | 99       |
| 25) Isophorone                | 7.692  | 82   | 549222   | 40.332 | ng    | 99       |
| 26) 2-Nitrophenol             | 7.769  | 139  | 150969   | 40.372 | ng    | 98       |
| 27) 2,4-Dimethylphenol        | 7.810  | 122  | 177031   | 39.568 | ng    | 99       |
| 28) bis(2-Chloroethoxy)met... | 7.898  | 93   | 331321   | 39.938 | ng    | 100      |
| 29) 2,4-Dichlorophenol        | 8.016  | 162  | 236857   | 39.952 | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 8.098  | 180  | 263327   | 38.901 | ng    | 99       |
| 31) Naphthalene               | 8.175  | 128  | 842187   | 39.152 | ng    | 99       |
| 32) Benzoic acid              | 7.939  | 122  | 156794   | 41.429 | ng    | 98       |
| 33) 4-Chloroaniline           | 8.228  | 127  | 280483   | 43.551 | ng    | 99       |
| 34) Hexachlorobutadiene       | 8.292  | 225  | 176676   | 39.406 | ng    | 99       |
| 35) Caprolactam               | 8.604  | 113  | 74088    | 40.381 | ng    | 94       |
| 36) 4-Chloro-3-methylphenol   | 8.716  | 107  | 266862   | 40.203 | ng    | 99       |
| 37) 2-Methylnaphthalene       | 8.869  | 142  | 546332   | 39.987 | ng    | 99       |
| 38) 1-Methylnaphthalene       | 8.969  | 142  | 531502   | 39.688 | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 9.033  | 216  | 272114   | 38.824 | ng    | 100      |
| 41) Hexachlorocyclopentadiene | 9.016  | 237  | 52730    | 37.711 | ng    | 97       |
| 43) 2,4,6-Trichlorophenol     | 9.151  | 196  | 173239   | 39.390 | ng    | 99       |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF112124\  
 Data File : BF140536.D  
 Acq On : 21 Nov 2024 15:07  
 Operator : RC/JU  
 Sample : SSTDICV040  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

## Instrument :

BNA\_F

## ClientSampleId :

ICVBF112124

## Manual Integrations

## APPROVED

Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/27/2024

Quant Time: Nov 21 16:11:44 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF112124.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Thu Nov 21 15:23:48 2024

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.192  | 196  | 192368   | 40.302 | ng    | 99       |
| 46) 1,1'-Biphenyl             | 9.333  | 154  | 693007   | 38.769 | ng    | 100      |
| 47) 2-Chloronaphthalene       | 9.357  | 162  | 530895   | 39.197 | ng    | 100      |
| 48) 2-Nitroaniline            | 9.457  | 65   | 174060   | 40.037 | ng    | 99       |
| 49) Acenaphthylene            | 9.774  | 152  | 795061   | 38.850 | ng    | 99       |
| 50) Dimethylphthalate         | 9.633  | 163  | 624268   | 39.591 | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 9.698  | 165  | 140739   | 39.356 | ng    | 100      |
| 52) Acenaphthene              | 9.945  | 154  | 501631m  | 38.578 | ng    |          |
| 53) 3-Nitroaniline            | 9.874  | 138  | 143055   | 40.901 | ng    | 96       |
| 54) 2,4-Dinitrophenol         | 9.980  | 184  | 58542    | 36.341 | ng    | 99       |
| 55) Dibenzofuran              | 10.122 | 168  | 766460   | 38.644 | ng    | 99       |
| 56) 4-Nitrophenol             | 10.039 | 139  | 100812   | 42.263 | ng    | 99       |
| 57) 2,4-Dinitrotoluene        | 10.104 | 165  | 194980   | 41.025 | ng    | 98       |
| 58) Fluorene                  | 10.463 | 166  | 622708   | 39.115 | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.239 | 232  | 153327   | 41.797 | ng    | 97       |
| 60) Diethylphthalate          | 10.333 | 149  | 626046   | 39.078 | ng    | 100      |
| 61) 4-Chlorophenyl-phenyle... | 10.451 | 204  | 308891   | 39.536 | ng    | 99       |
| 62) 4-Nitroaniline            | 10.486 | 138  | 148087   | 40.369 | ng    | 99       |
| 63) Azobenzene                | 10.616 | 77   | 597687   | 39.396 | ng    | 99       |
| 65) 4,6-Dinitro-2-methylph... | 10.516 | 198  | 94340    | 41.134 | ng    | 99       |
| 66) n-Nitrosodiphenylamine    | 10.574 | 169  | 513960   | 38.723 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 10.945 | 248  | 180160   | 38.977 | ng    | 99       |
| 68) Hexachlorobenzene         | 11.016 | 284  | 208589   | 38.974 | ng    | 99       |
| 69) Atrazine                  | 11.098 | 200  | 129353   | 34.643 | ng    | 99       |
| 70) Pentachlorophenol         | 11.210 | 266  | 100767   | 42.779 | ng    | 98       |
| 71) Phenanthrene              | 11.427 | 178  | 838392   | 38.861 | ng    | 99       |
| 72) Anthracene                | 11.480 | 178  | 819442   | 38.829 | ng    | 100      |
| 73) Carbazole                 | 11.639 | 167  | 795975   | 39.207 | ng    | 100      |
| 74) Di-n-butylphthalate       | 11.963 | 149  | 932026   | 39.765 | ng    | 99       |
| 75) Fluoranthene              | 12.621 | 202  | 937019   | 40.002 | ng    | 100      |
| 77) Benzidine                 | 12.745 | 184  | 304946   | 39.351 | ng    | 99       |
| 78) Pyrene                    | 12.851 | 202  | 941890   | 38.219 | ng    | 99       |
| 80) Butylbenzylphthalate      | 13.463 | 149  | 359930   | 40.542 | ng    | 97       |
| 81) Benzo(a)anthracene        | 14.045 | 228  | 700865   | 39.723 | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine    | 14.004 | 252  | 217249   | 41.011 | ng    | 99       |
| 83) Chrysene                  | 14.080 | 228  | 635750   | 39.406 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 14.021 | 149  | 468853   | 41.823 | ng    | 99       |
| 85) Di-n-octyl phthalate      | 14.645 | 149  | 673561   | 43.965 | ng    | 99       |
| 87) Indeno(1,2,3-cd)pyrene    | 17.062 | 276  | 546567   | 38.995 | ng    | 99       |
| 88) Benzo(b)fluoranthene      | 15.109 | 252  | 551853   | 40.850 | ng    | 100      |
| 89) Benzo(k)fluoranthene      | 15.145 | 252  | 474176   | 40.110 | ng    | 100      |
| 90) Benzo(a)pyrene            | 15.486 | 252  | 439811   | 40.041 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 17.074 | 278  | 459746   | 40.052 | ng    | 100      |
| 92) Benzo(g,h,i)perylene      | 17.521 | 276  | 463747   | 39.591 | ng    | 99       |

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



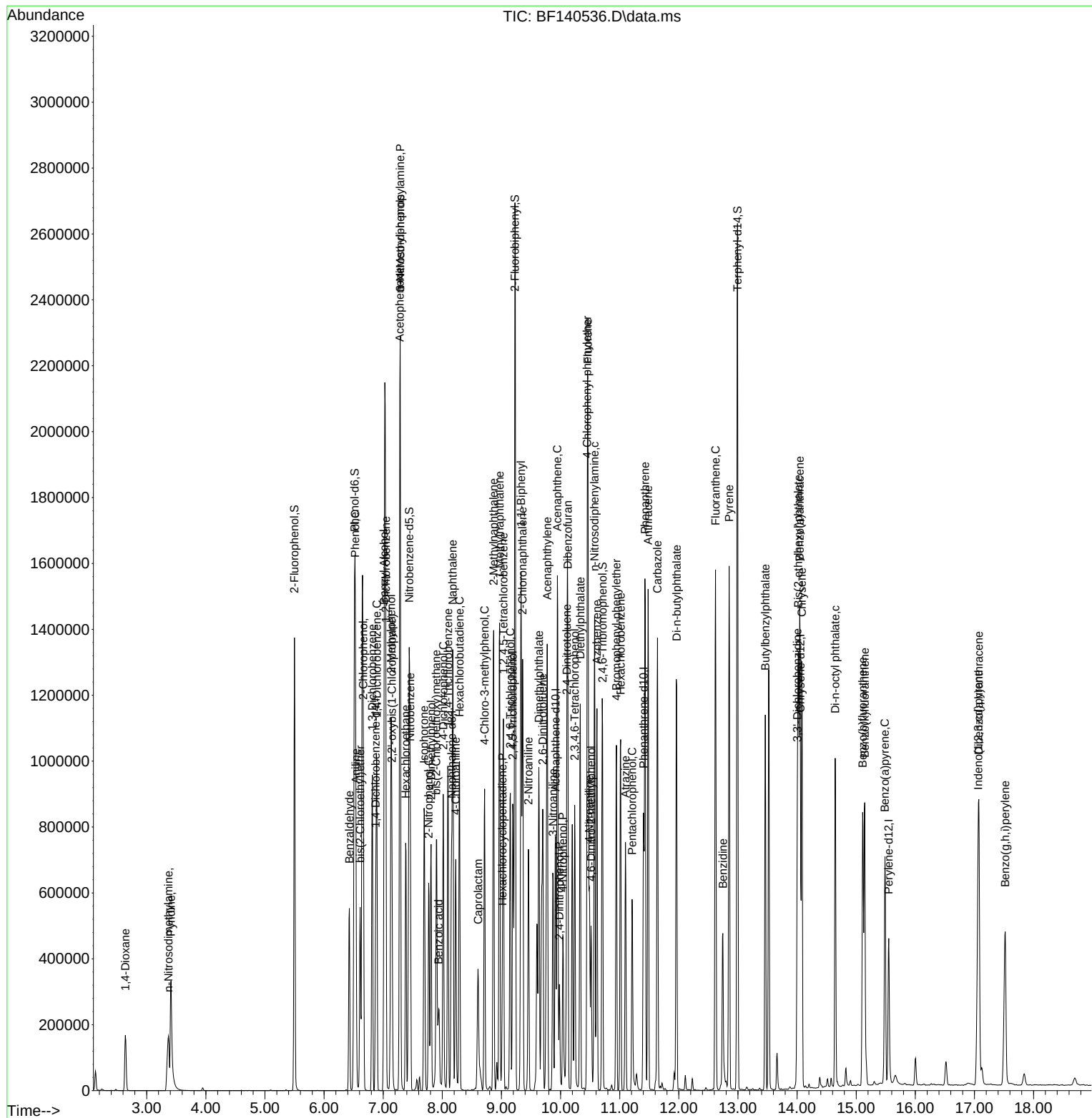
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Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112124\  
Data File : BF140536.D  
Acq On    : 21 Nov 2024   15:07  
Operator  : RC/JU  
Sample    : SSTDICV040  
Misc      :  
ALS Vial  : 11    Sample Multiplier: 1
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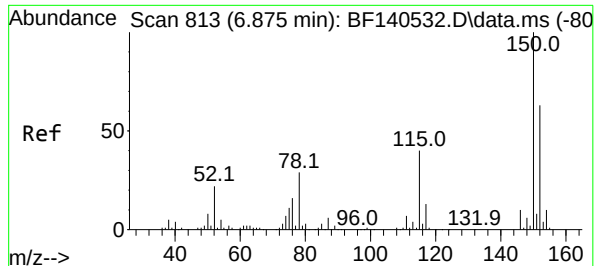
**Instrument :**  
BNA\_F  
**ClientSampleId :**  
ICVBF112124

## Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024

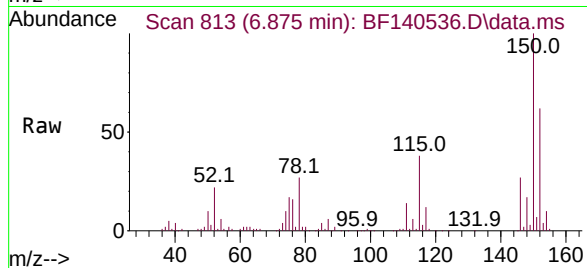
Quant Time: Nov 21 16:11:44 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF112124.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Nov 21 15:23:48 2024  
Response via : Initial Calibration





#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.875 min Scan# 81  
Delta R.T. -0.000 min  
Lab File: BF140536.D  
Acq: 21 Nov 2024 15:07

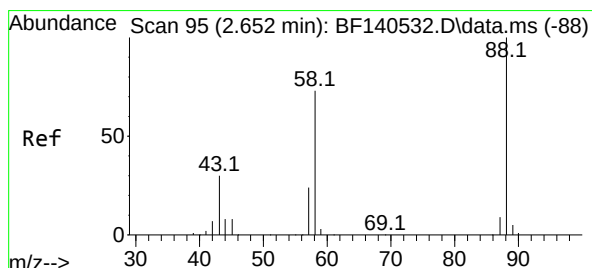
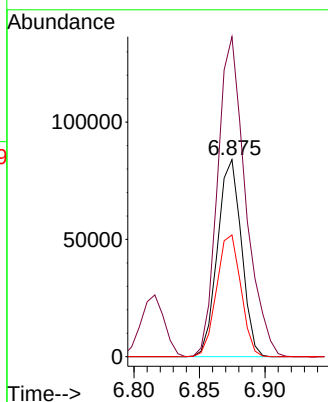
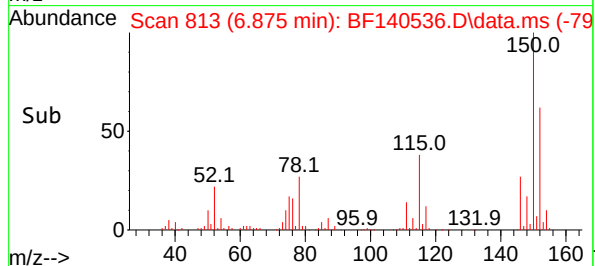
Instrument :  
BNA\_F  
ClientSampleId :  
ICVBF112124



Tgt Ion:152 Resp: 106835  
Ion Ratio Lower Upper  
152 100  
150 162.4 128.5 192.7  
115 61.8 50.2 75.4

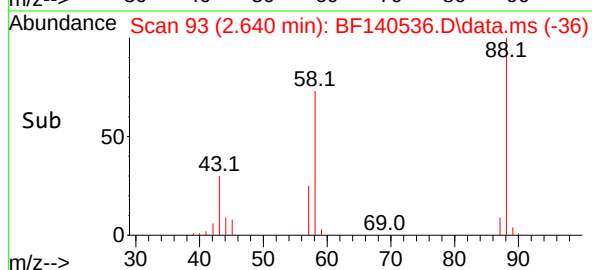
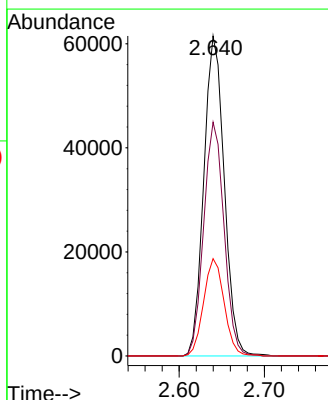
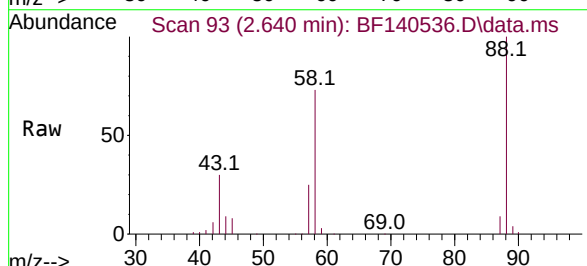
Manual Integrations  
APPROVED

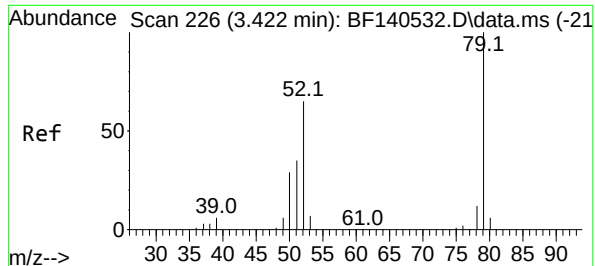
Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024



#2  
1,4-Dioxane  
Concen: 39.036 ng  
RT: 2.640 min Scan# 93  
Delta R.T. -0.012 min  
Lab File: BF140536.D  
Acq: 21 Nov 2024 15:07

Tgt Ion: 88 Resp: 102768  
Ion Ratio Lower Upper  
88 100  
58 72.6 57.4 86.2  
43 30.5 24.3 36.5





#3

Pyridine

Concen: 44.701 ng

RT: 3.410 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF140536.D

Acq: 21 Nov 2024 15:07

Instrument :

BNA\_F

ClientSampleId :

ICVBF112124

Tgt Ion: 79 Resp: 25892

Ion Ratio Lower Upper

79 100

52 66.6 52.1 78.1

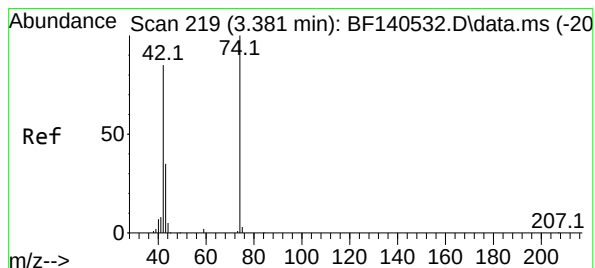
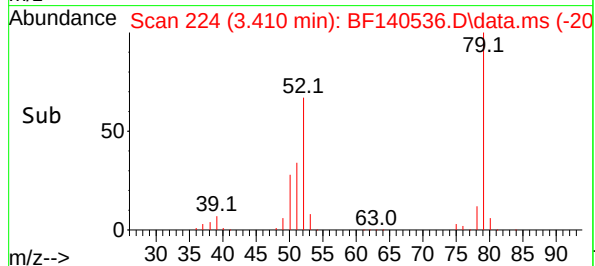
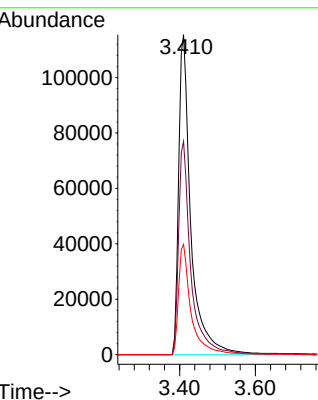
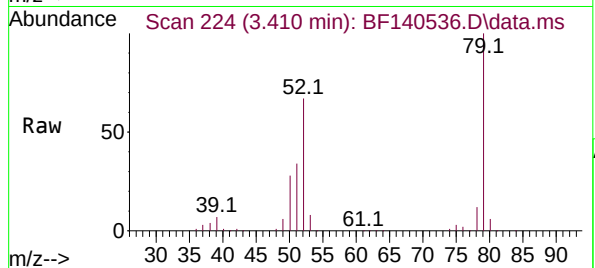
51 34.4 27.8 41.8

Manual Integrations

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Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/27/2024



#4

n-Nitrosodimethylamine

Concen: 41.184 ng

RT: 3.369 min Scan# 217

Delta R.T. -0.012 min

Lab File: BF140536.D

Acq: 21 Nov 2024 15:07

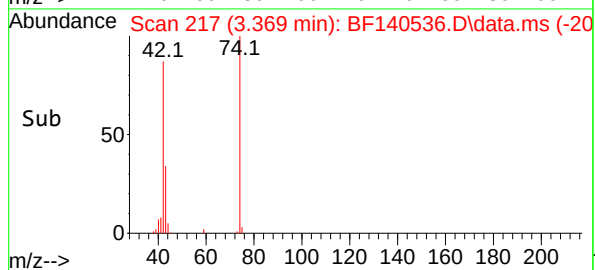
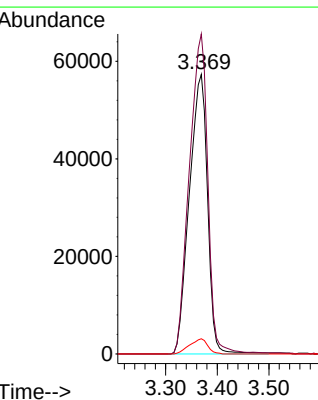
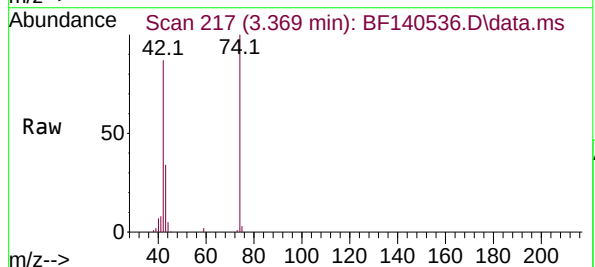
Tgt Ion: 42 Resp: 140208

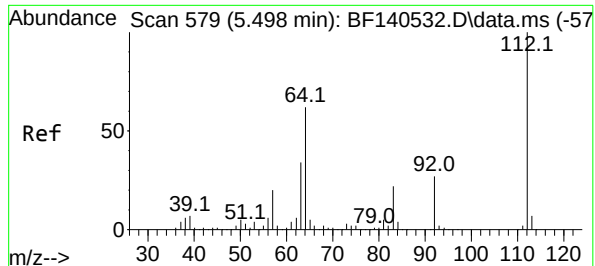
Ion Ratio Lower Upper

42 100

74 114.5 93.8 140.6

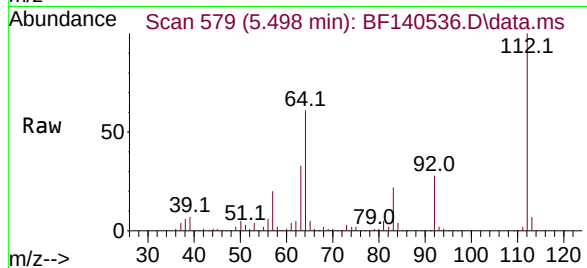
44 5.5 4.6 6.8





#5  
2-Fluorophenol  
Concen: 79.009 ng  
RT: 5.498 min Scan# 511  
Delta R.T. -0.000 min  
Lab File: BF140536.D  
Acq: 21 Nov 2024 15:07

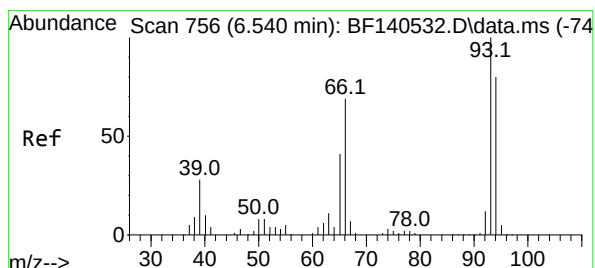
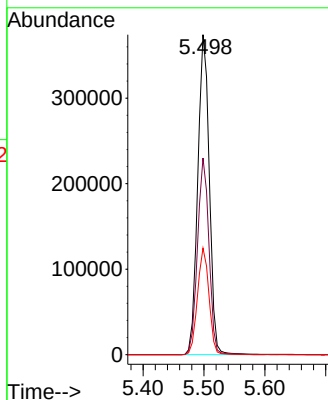
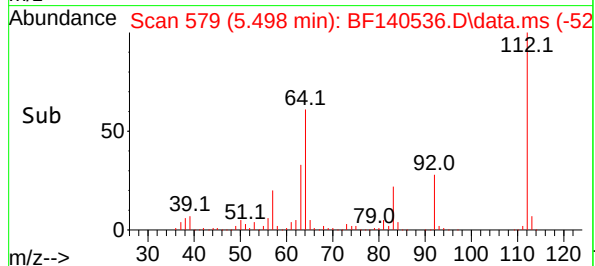
Instrument :  
BNA\_F  
ClientSampleId :  
ICVBF112124



Tgt Ion:112 Resp: 49471  
Ion Ratio Lower Upper  
112 100  
64 61.5 49.2 73.8  
63 33.3 27.0 40.4

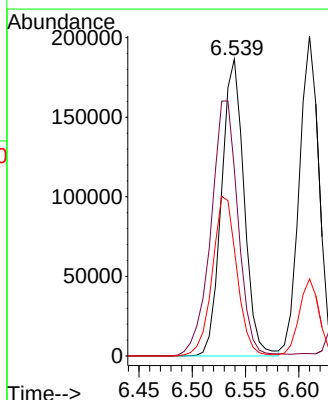
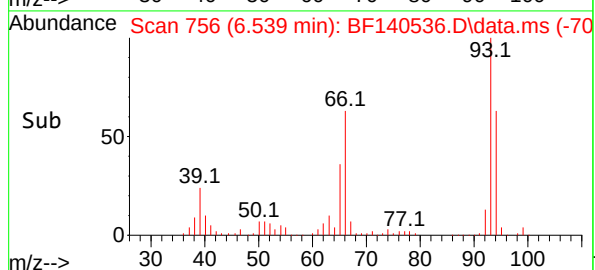
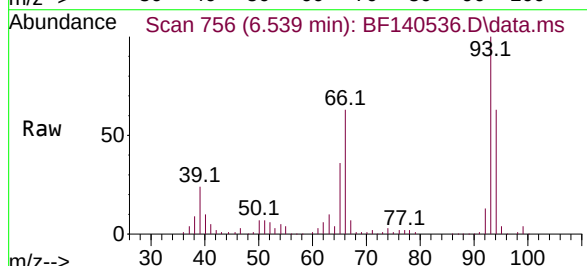
Manual Integrations  
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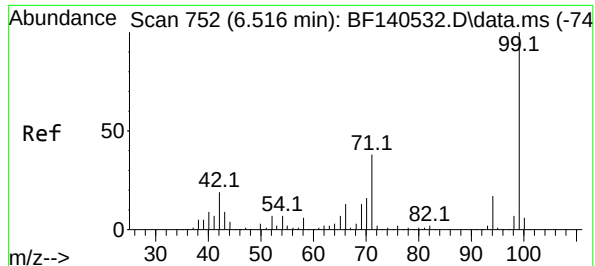
Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024



#6  
Aniline  
Concen: 47.067 ng  
RT: 6.539 min Scan# 756  
Delta R.T. -0.000 min  
Lab File: BF140536.D  
Acq: 21 Nov 2024 15:07

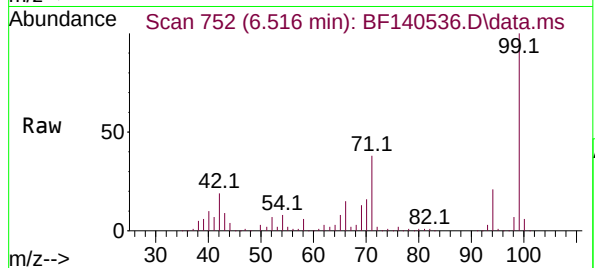
Tgt Ion: 93 Resp: 274234  
Ion Ratio Lower Upper  
93 100  
66 62.8 56.5 84.7  
65 35.9 32.9 49.3





#7  
Phenol-d6  
Concen: 81.459 ng  
RT: 6.516 min Scan# 752  
Delta R.T. -0.000 min  
Lab File: BF140536.D  
Acq: 21 Nov 2024 15:07

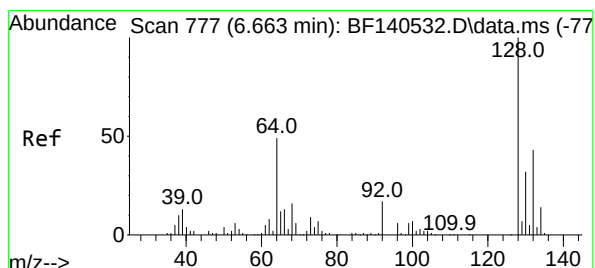
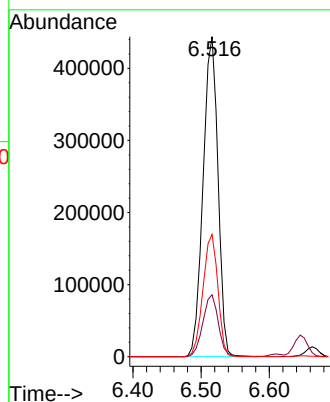
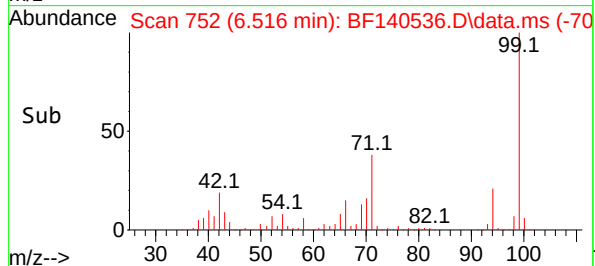
Instrument :  
BNA\_F  
ClientSampleId :  
ICVBF112124



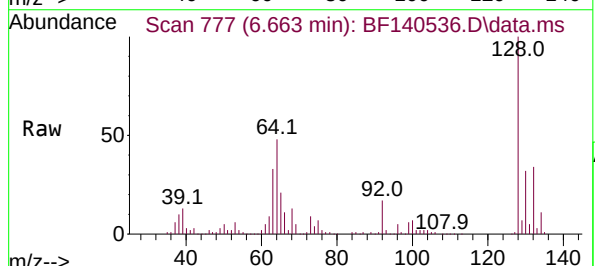
Tgt Ion: 99 Resp: 674309  
Ion Ratio Lower Upper  
99 100  
42 19.3 15.4 23.0  
71 38.2 30.6 46.0

Manual Integrations  
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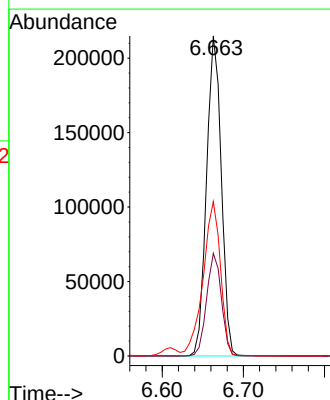
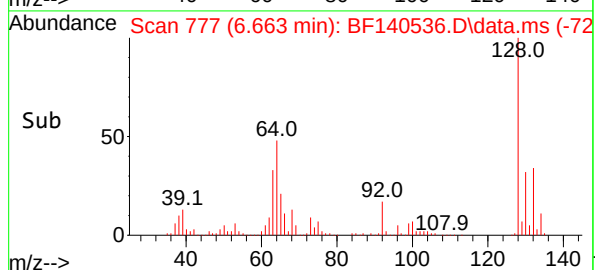
Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024

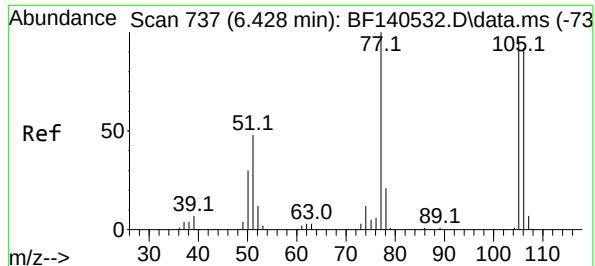


#8  
2-Chlorophenol  
Concen: 40.191 ng  
RT: 6.663 min Scan# 777  
Delta R.T. -0.000 min  
Lab File: BF140536.D  
Acq: 21 Nov 2024 15:07



Tgt Ion:128 Resp: 270746  
Ion Ratio Lower Upper  
128 100  
130 32.1 12.3 52.3  
64 48.3 30.2 70.2





#9

Benzaldehyde

Concen: 36.939 ng

RT: 6.428 min Scan# 71

Delta R.T. -0.000 min

Lab File: BF140536.D

Acq: 21 Nov 2024 15:07

Instrument :

BNA\_F

ClientSampleId :

ICVBF112124

Tgt Ion: 77 Resp: 16187

Ion Ratio Lower Upper

77 100

105 95.9 75.6 115.6

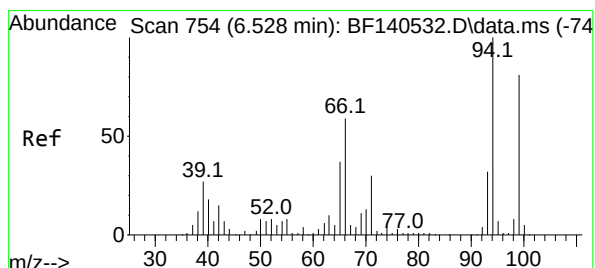
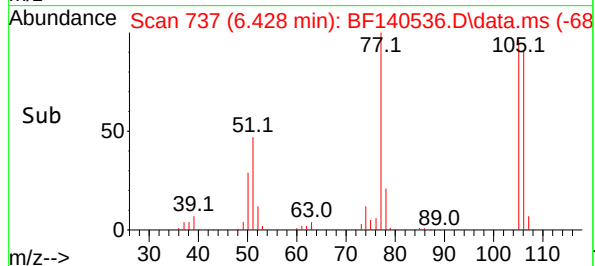
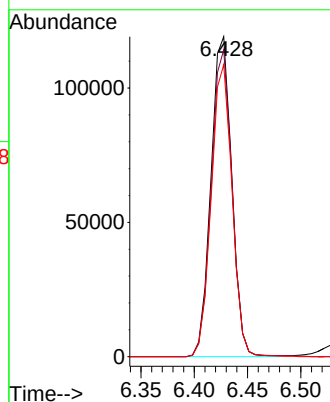
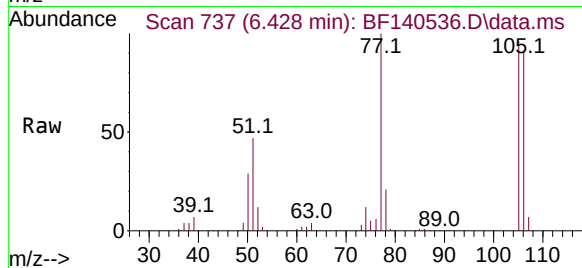
106 91.2 72.0 112.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/27/2024



#10

Phenol

Concen: 41.030 ng

RT: 6.528 min Scan# 754

Delta R.T. -0.000 min

Lab File: BF140536.D

Acq: 21 Nov 2024 15:07

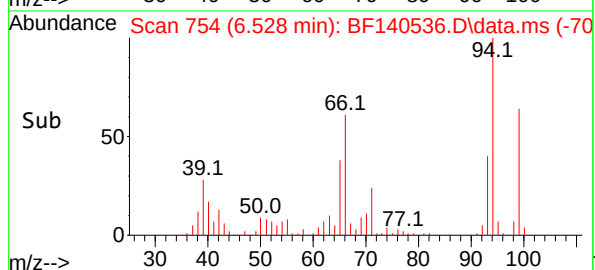
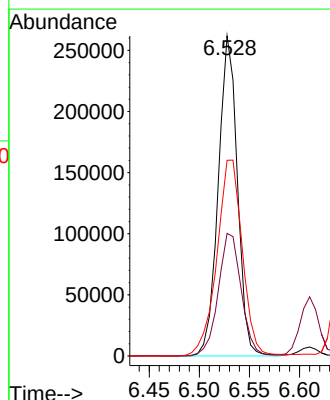
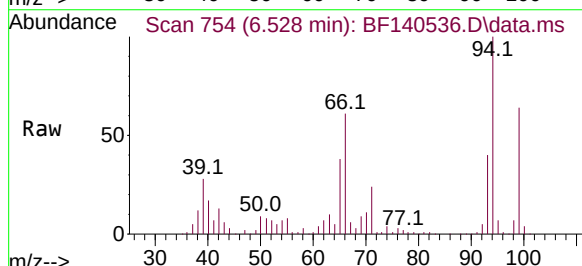
Tgt Ion: 94 Resp: 346860

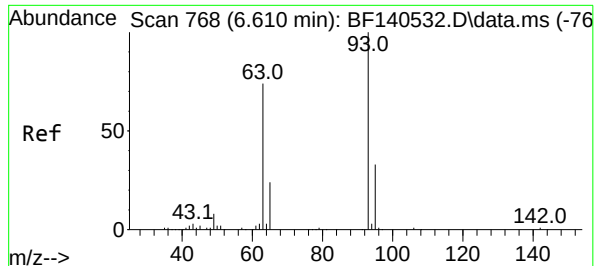
Ion Ratio Lower Upper

94 100

65 38.3 17.2 57.2

66 61.2 39.2 79.2





#11

bis(2-Chloroethyl)ether

Concen: 39.796 ng

RT: 6.610 min Scan# 768

Delta R.T. -0.000 min

Lab File: BF140536.D

Acq: 21 Nov 2024 15:07

Instrument :

BNA\_F

ClientSampleId :

ICVBF112124

Tgt Ion: 93 Resp: 25744

Ion Ratio Lower Upper

93 100

63 73.7 52.8 92.8

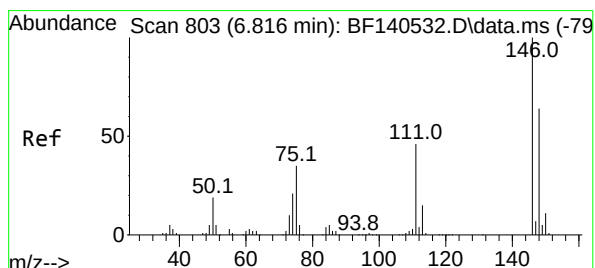
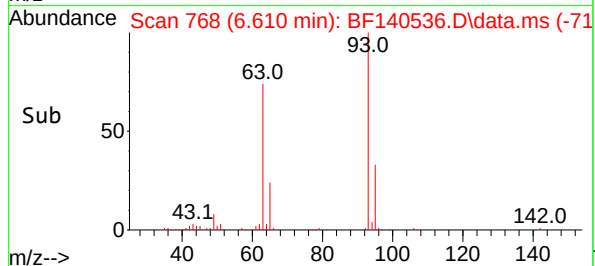
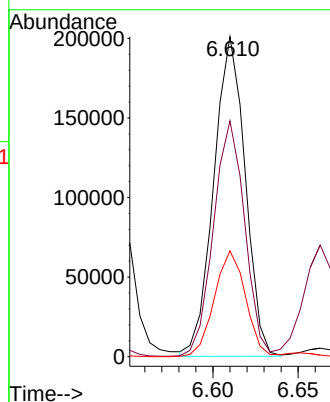
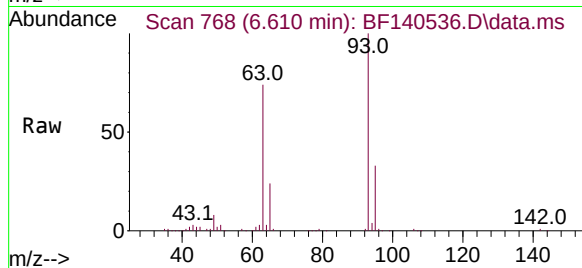
95 33.0 12.3 52.3

Manual Integrations

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Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/27/2024



#12

1,3-Dichlorobenzene

Concen: 39.732 ng

RT: 6.816 min Scan# 803

Delta R.T. -0.000 min

Lab File: BF140536.D

Acq: 21 Nov 2024 15:07

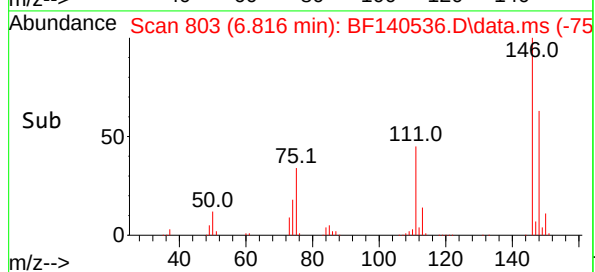
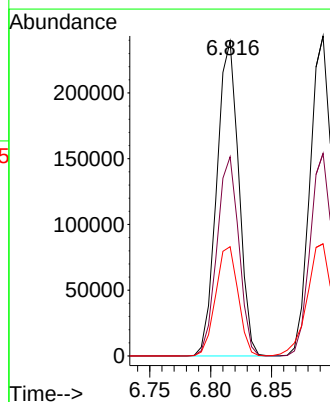
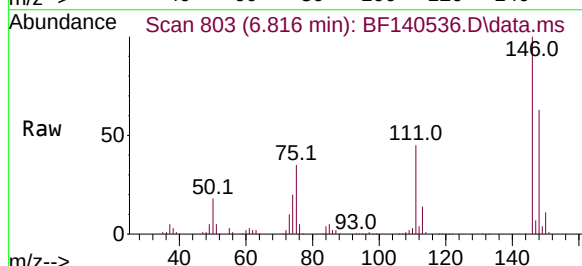
Tgt Ion:146 Resp: 300749

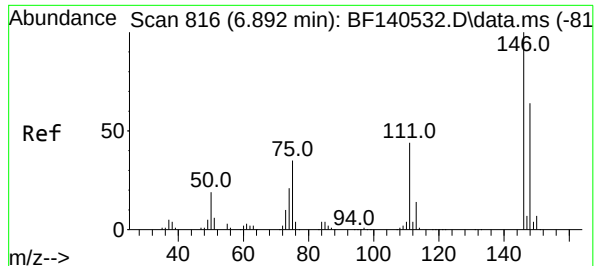
Ion Ratio Lower Upper

146 100

148 63.3 51.3 76.9

75 34.7 28.2 42.2





#13

1,4-Dichlorobenzene

Concen: 39.668 ng

RT: 6.892 min Scan# 816

Delta R.T. -0.000 min

Lab File: BF140536.D

Acq: 21 Nov 2024 15:07

Instrument :

BNA\_F

ClientSampleId :

ICVBF112124

Tgt Ion:146 Resp: 304030

Ion Ratio Lower Upper

146 100

148 63.3 51.0 76.6

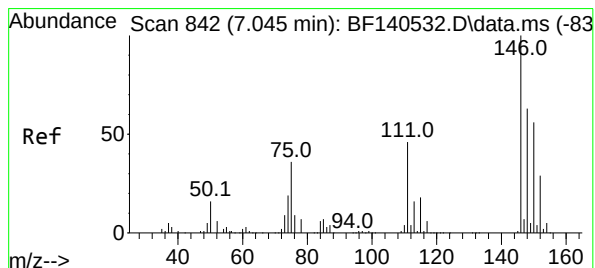
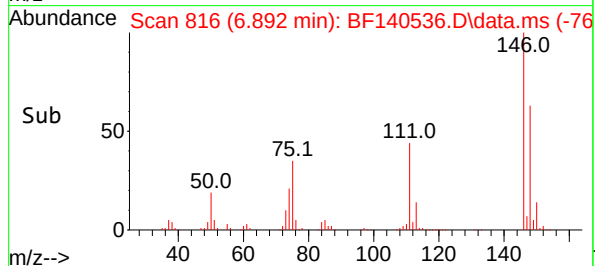
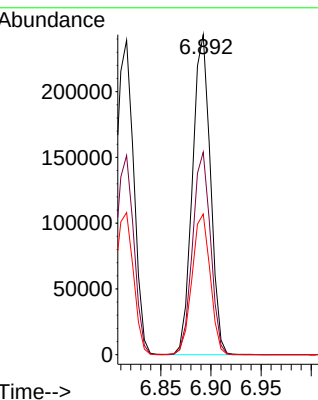
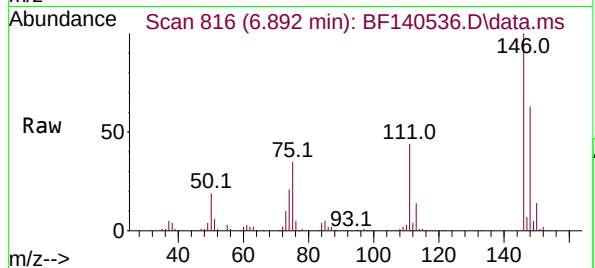
111 44.0 35.3 52.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/27/2024



#14

1,2-Dichlorobenzene

Concen: 39.406 ng

RT: 7.045 min Scan# 842

Delta R.T. -0.000 min

Lab File: BF140536.D

Acq: 21 Nov 2024 15:07

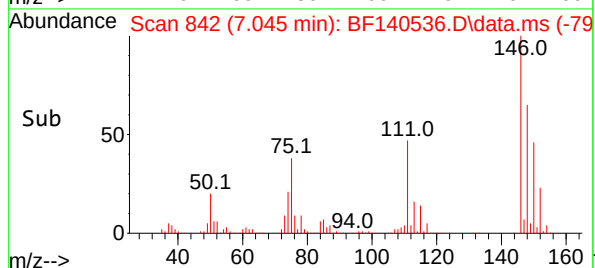
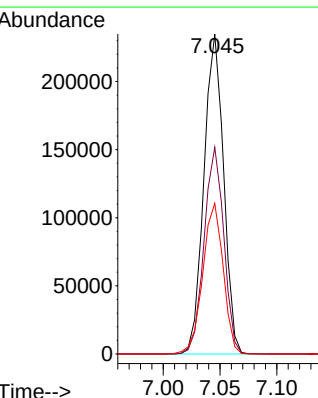
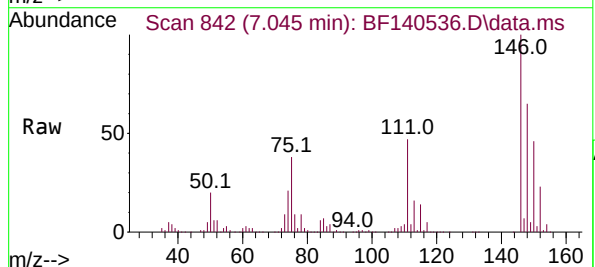
Tgt Ion:146 Resp: 283001

Ion Ratio Lower Upper

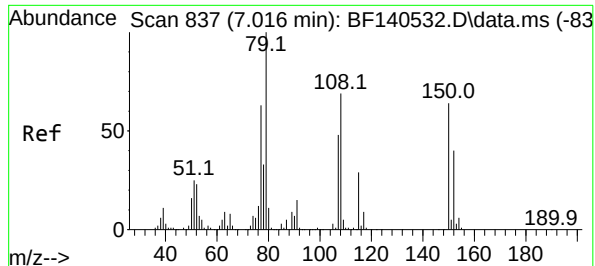
146 100

148 64.6 50.5 75.7

111 47.1 36.7 55.1







#15

Benzyl Alcohol

Concen: 41.993 ng

RT: 7.016 min Scan# 837

Delta R.T. -0.000 min

Lab File: BF140536.D

Acq: 21 Nov 2024 15:07

Instrument :

BNA\_F

ClientSampleId :

ICVBF112124

Tgt Ion: 79 Resp: 25778

Ion Ratio Lower Upper

79 100

108 70.9 55.0 82.6

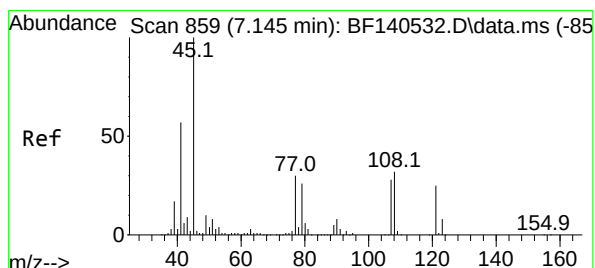
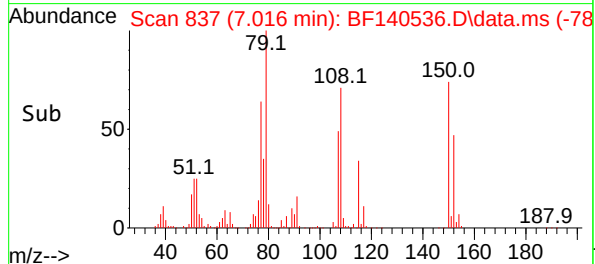
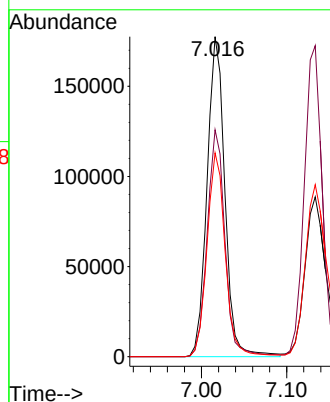
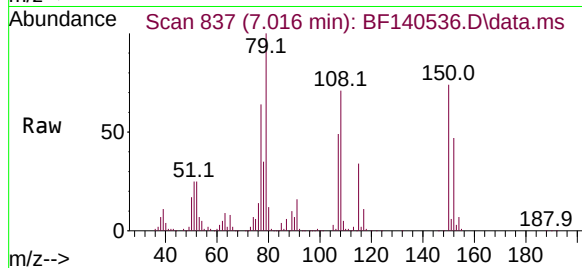
77 63.7 50.1 75.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/27/2024



#16

2,2'-oxybis(1-Chloropropane)

Concen: 41.183 ng

RT: 7.145 min Scan# 859

Delta R.T. -0.000 min

Lab File: BF140536.D

Acq: 21 Nov 2024 15:07

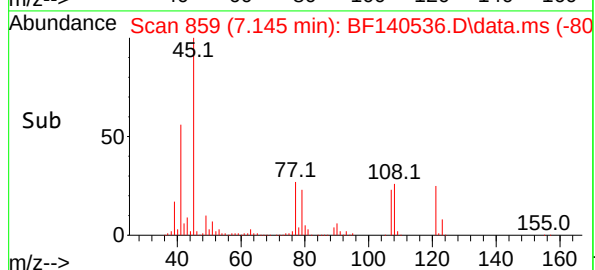
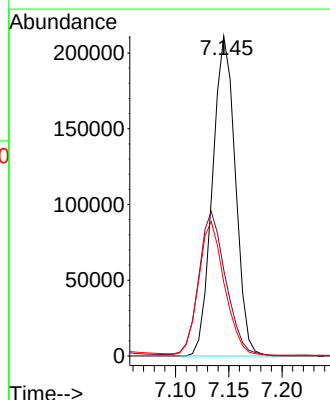
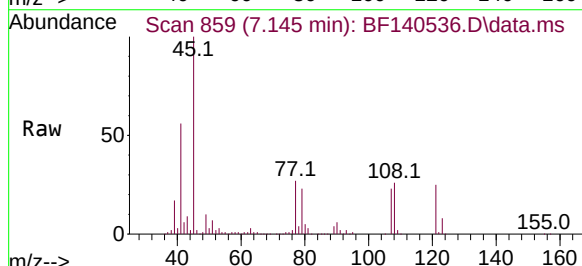
Tgt Ion: 45 Resp: 314742

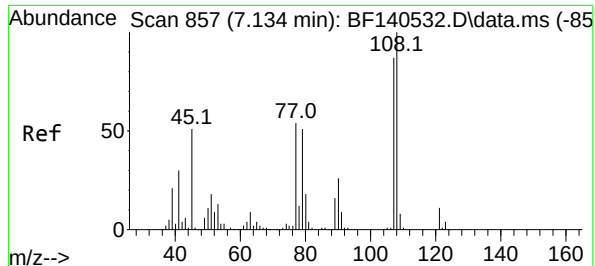
Ion Ratio Lower Upper

45 100

77 26.9 10.7 50.7

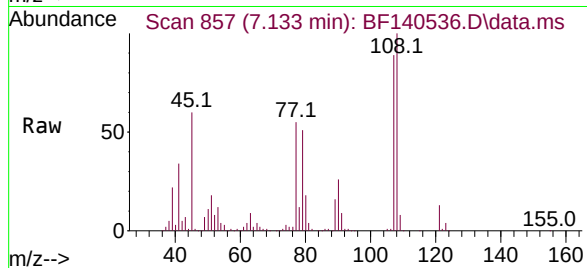
79 23.0 7.0 47.0





#17  
2-Methylphenol  
Concen: 41.606 ng  
RT: 7.133 min Scan# 857  
Delta R.T. -0.000 min  
Lab File: BF140536.D  
Acq: 21 Nov 2024 15:07

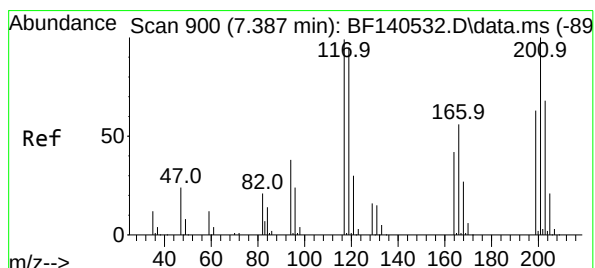
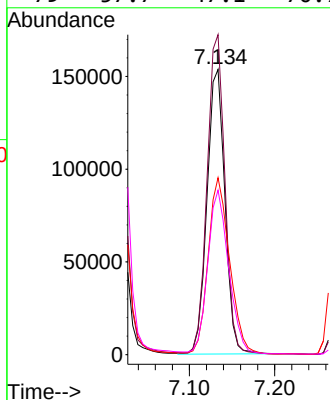
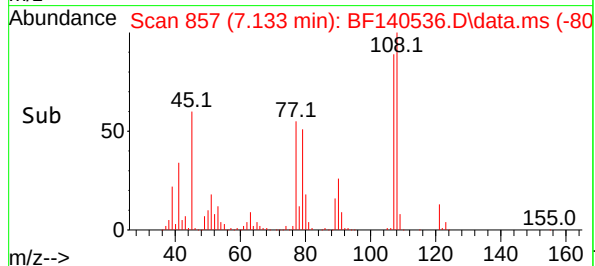
Instrument :  
BNA\_F  
ClientSampleId :  
ICVBF112124



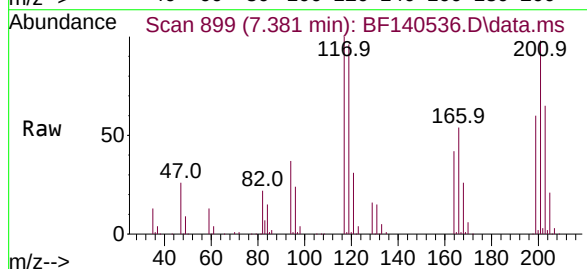
Tgt Ion:107 Resp: 224359  
Ion Ratio Lower Upper  
107 100  
108 112.1 91.7 137.5  
77 62.0 49.3 73.9  
79 57.7 47.1 70.7

Manual Integrations  
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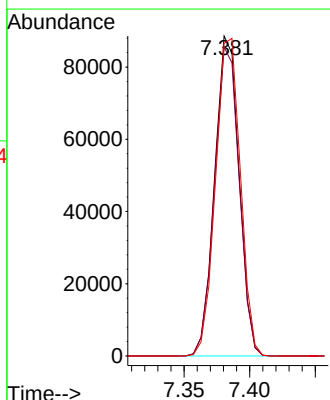
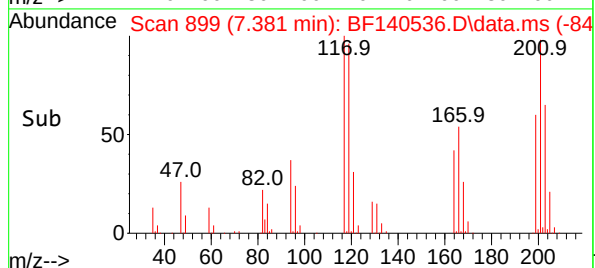
Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024

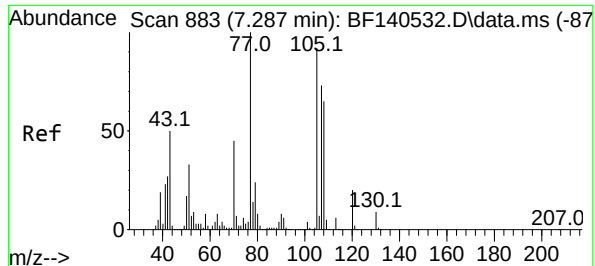


#18  
Hexachloroethane  
Concen: 40.108 ng  
RT: 7.381 min Scan# 899  
Delta R.T. -0.006 min  
Lab File: BF140536.D  
Acq: 21 Nov 2024 15:07



Tgt Ion:117 Resp: 114809  
Ion Ratio Lower Upper  
117 100  
119 96.5 77.1 115.7  
201 97.7 81.1 121.7





#19

n-Nitroso-di-n-propylamine

Concen: 42.038 ng

RT: 7.286 min Scan# 883

Delta R.T. -0.000 min

Lab File: BF140536.D

Acq: 21 Nov 2024 15:07

Instrument :

BNA\_F

ClientSampleId :

ICVBF112124

Tgt Ion: 70 Resp: 205658

Ion Ratio Lower Upper

70 100

42 58.8 47.6 71.4

101 9.8 7.6 11.4

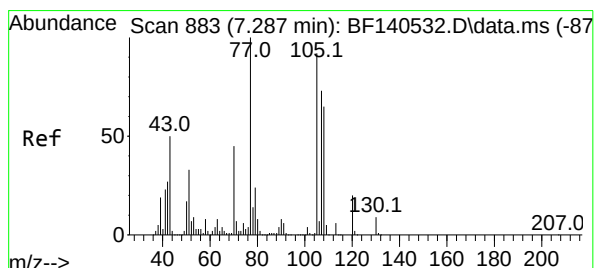
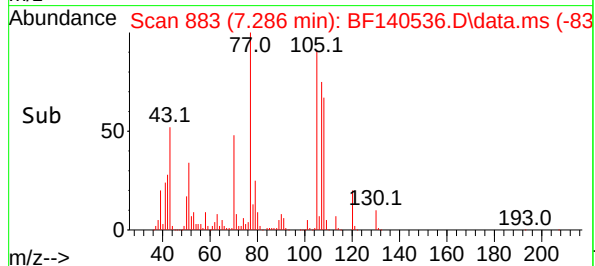
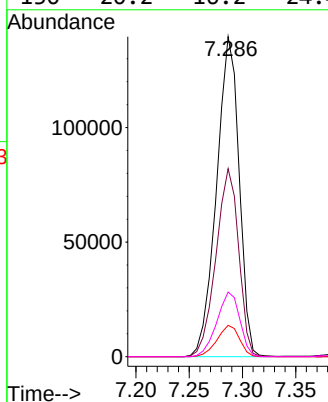
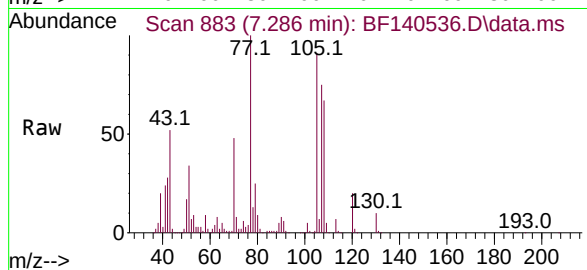
130 20.2 16.2 24.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/27/2024



#20

3+4-Methylphenols

Concen: 41.536 ng

RT: 7.286 min Scan# 883

Delta R.T. -0.000 min

Lab File: BF140536.D

Acq: 21 Nov 2024 15:07

Tgt Ion:107 Resp: 287897

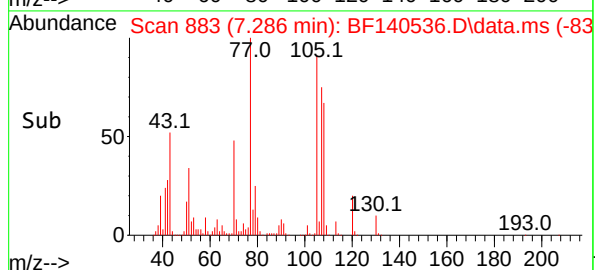
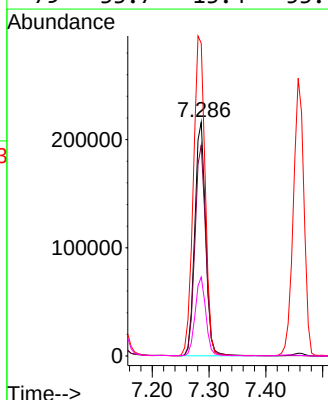
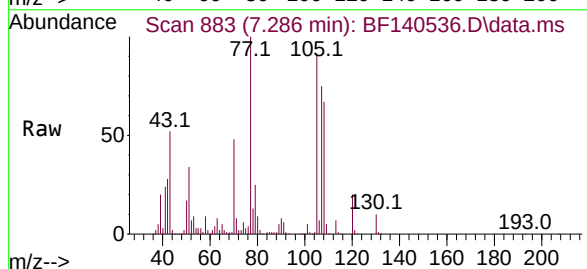
Ion Ratio Lower Upper

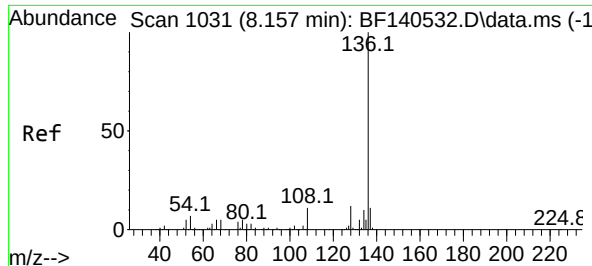
107 100

108 90.2 69.9 109.9

77 133.8 117.7 157.7

79 33.7 13.4 53.4





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.157 min Scan# 1031

Delta R.T. -0.000 min

Lab File: BF140536.D

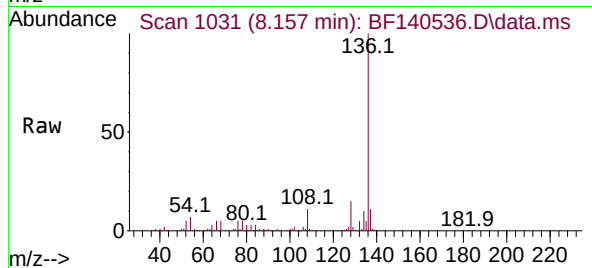
Acq: 21 Nov 2024 15:07

Instrument :

BNA\_F

ClientSampleId :

ICVBF112124



Tgt Ion:136 Resp: 417612

Ion Ratio Lower Upper

136 100

137 10.9 8.6 13.0

54 6.9 5.8 8.8

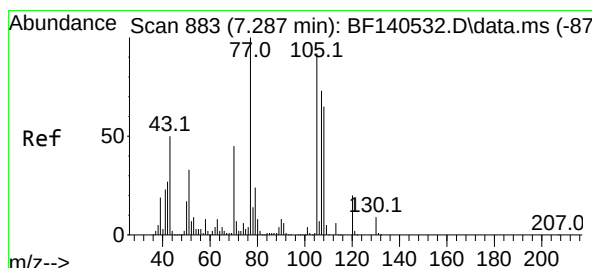
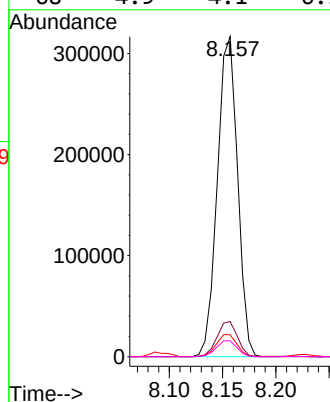
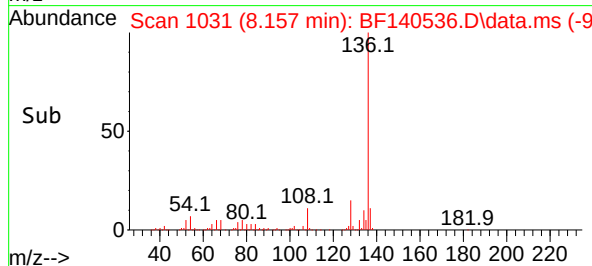
68 4.9 4.1 6.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/27/2024



#22

Acetophenone

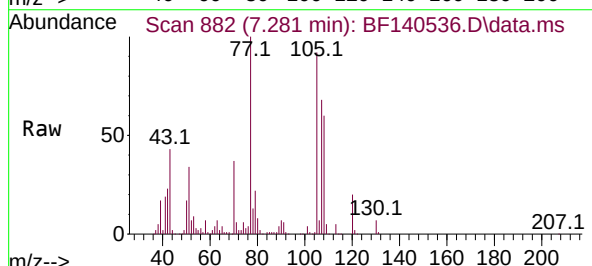
Concen: 38.963 ng

RT: 7.281 min Scan# 882

Delta R.T. -0.006 min

Lab File: BF140536.D

Acq: 21 Nov 2024 15:07



Tgt Ion:105 Resp: 396692

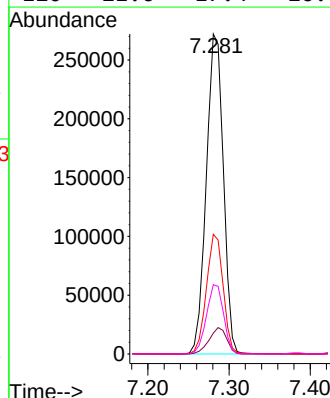
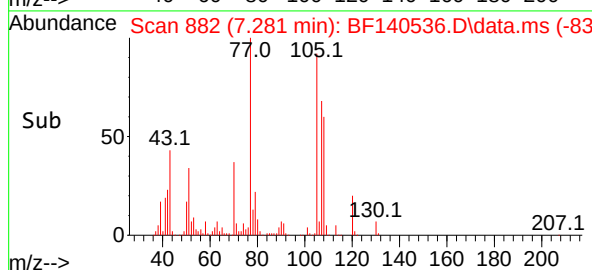
Ion Ratio Lower Upper

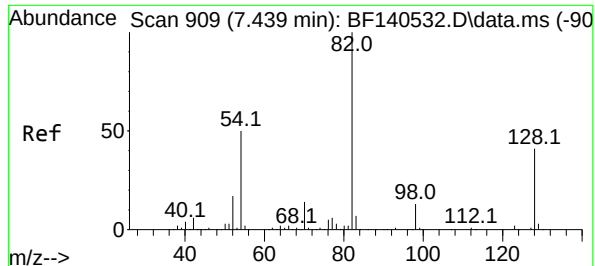
105 100

71 6.5 6.2 9.2

51 37.4 29.0 43.6

120 21.6 17.4 26.0





#23

Nitrobenzene-d5

Concen: 78.907 ng

RT: 7.439 min Scan# 909

Delta R.T. -0.000 min

Lab File: BF140536.D

Acq: 21 Nov 2024 15:07

Instrument :

BNA\_F

ClientSampleId :

ICVBF112124

Tgt Ion: 82 Resp: 644220

Ion Ratio Lower Upper

82 100

128 42.1 33.0 49.4

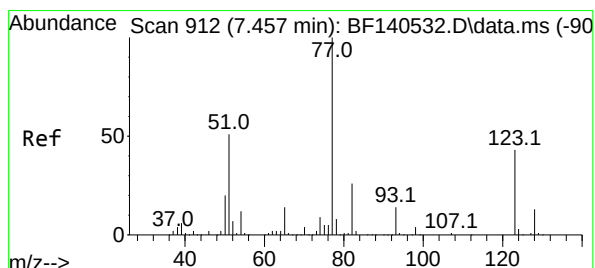
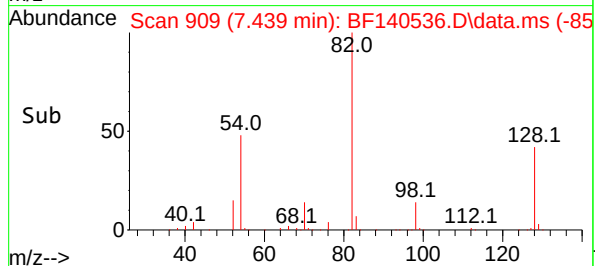
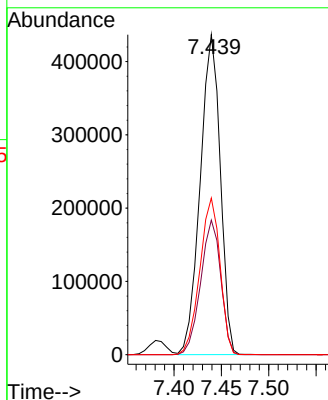
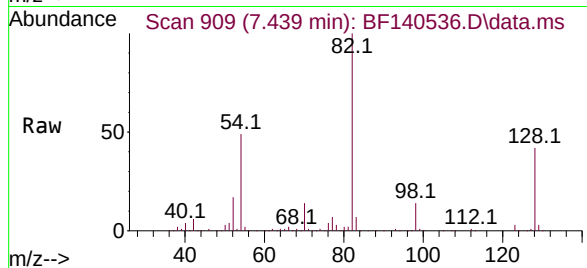
54 49.0 39.5 59.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/27/2024



#24

Nitrobenzene

Concen: 39.127 ng

RT: 7.457 min Scan# 912

Delta R.T. -0.000 min

Lab File: BF140536.D

Acq: 21 Nov 2024 15:07

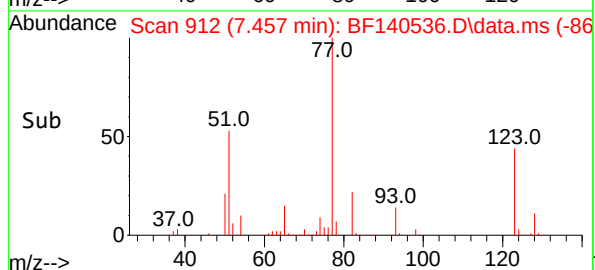
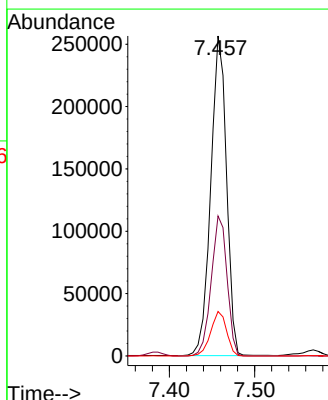
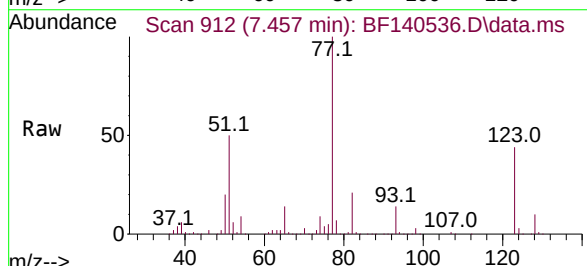
Tgt Ion: 77 Resp: 330161

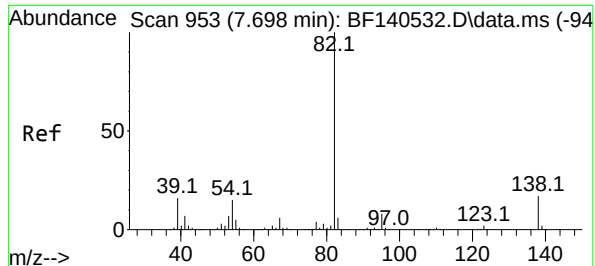
Ion Ratio Lower Upper

77 100

123 43.8 34.3 51.5

65 13.9 11.2 16.8





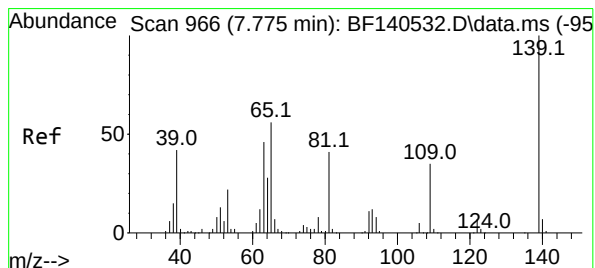
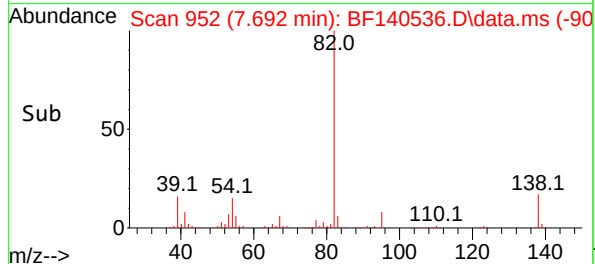
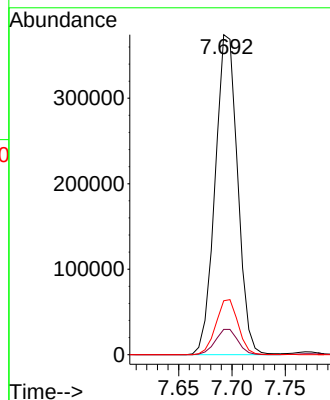
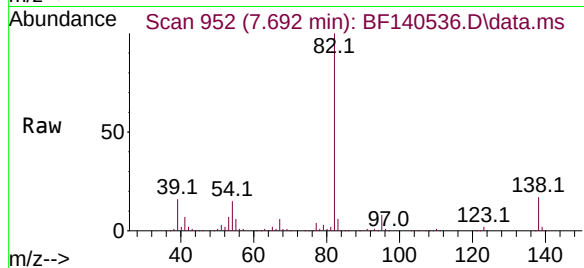
#25  
Isophorone  
Concen: 40.332 ng  
RT: 7.692 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: BF140536.D  
Acq: 21 Nov 2024 15:07

Instrument :  
BNA\_F  
ClientSampleId :  
ICVBF112124

Tgt Ion: 82 Resp: 54922  
Ion Ratio Lower Upper  
82 100  
95 7.9 6.4 9.6  
138 16.9 13.8 20.6

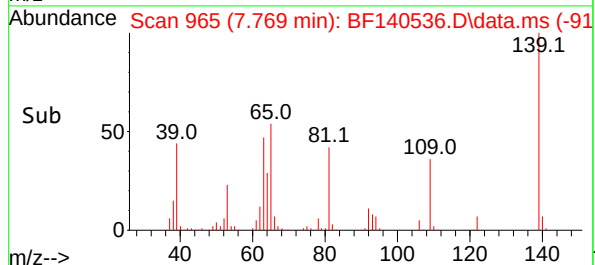
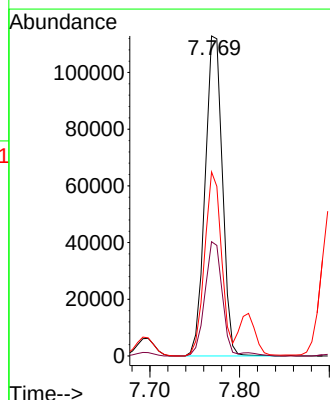
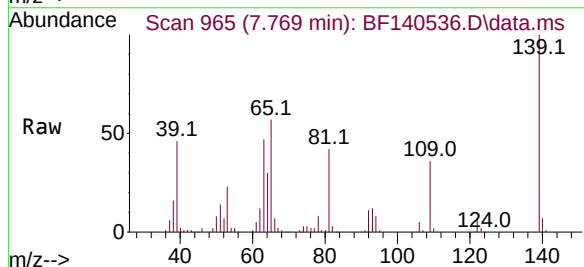
Manual Integrations  
APPROVED

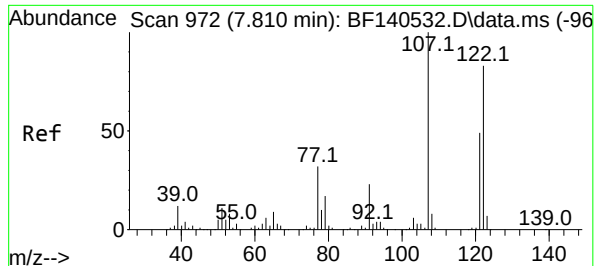
Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024



#26  
2-Nitrophenol  
Concen: 40.372 ng  
RT: 7.769 min Scan# 965  
Delta R.T. -0.006 min  
Lab File: BF140536.D  
Acq: 21 Nov 2024 15:07

Tgt Ion:139 Resp: 150969  
Ion Ratio Lower Upper  
139 100  
109 35.7 28.0 42.0  
65 57.5 44.6 67.0





#27

2,4-Dimethylphenol

Concen: 39.568 ng

RT: 7.810 min Scan# 91

Delta R.T. -0.000 min

Lab File: BF140536.D

Acq: 21 Nov 2024 15:07

Instrument :

BNA\_F

ClientSampleId :

ICVBF112124

Tgt Ion:122 Resp: 17703

Ion Ratio Lower Upper

122 100

107 120.3 96.8 145.2

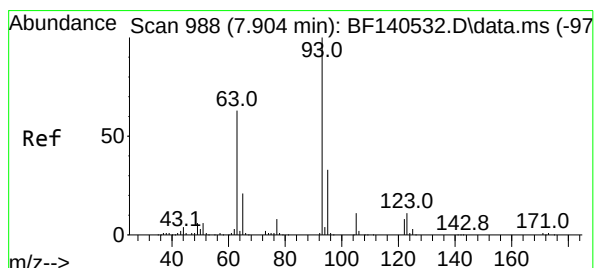
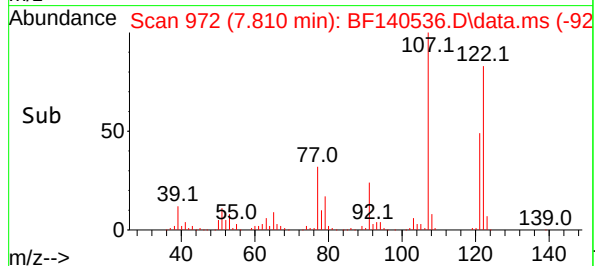
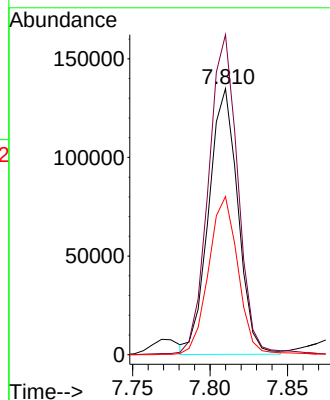
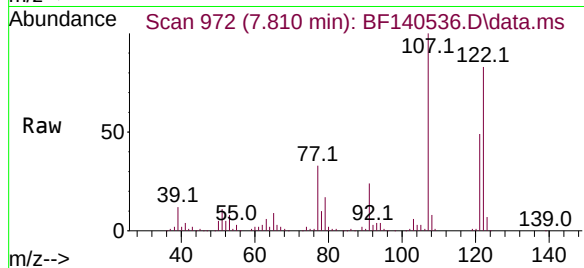
121 59.4 47.4 71.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/27/2024



#28

bis(2-Chloroethoxy)methane

Concen: 39.938 ng

RT: 7.898 min Scan# 987

Delta R.T. -0.006 min

Lab File: BF140536.D

Acq: 21 Nov 2024 15:07

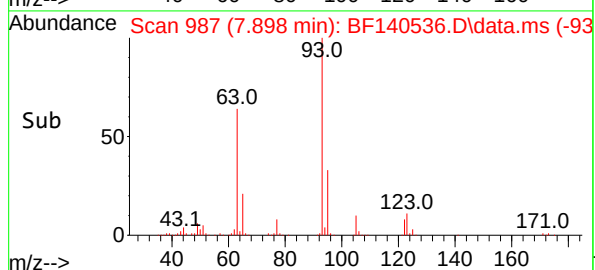
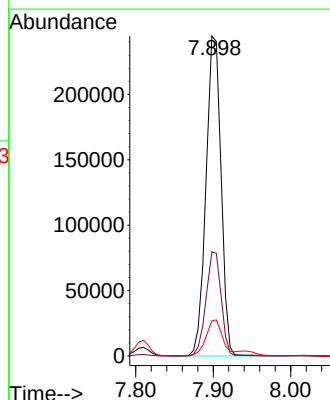
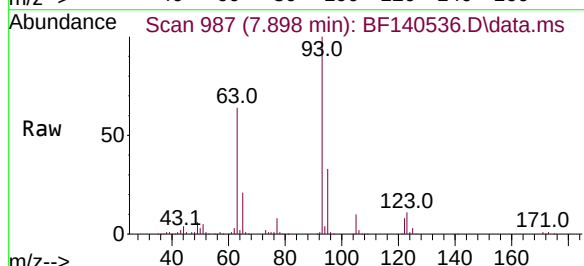
Tgt Ion: 93 Resp: 331321

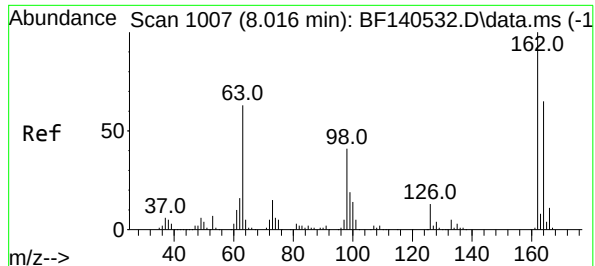
Ion Ratio Lower Upper

93 100

95 32.5 26.1 39.1

123 11.0 9.1 13.7





#29

2,4-Dichlorophenol

Concen: 39.952 ng

RT: 8.016 min Scan# 1007

Delta R.T. -0.000 min

Lab File: BF140536.D

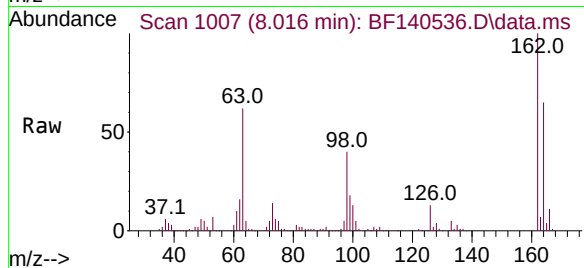
Acq: 21 Nov 2024 15:07

Instrument :

BNA\_F

ClientSampleId :

ICVBF112124



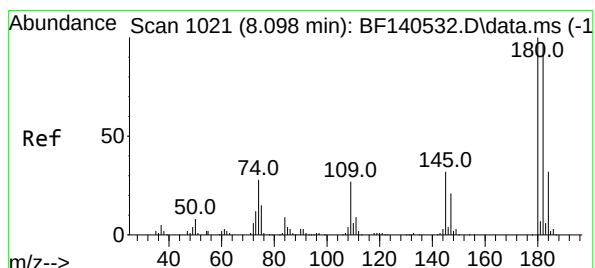
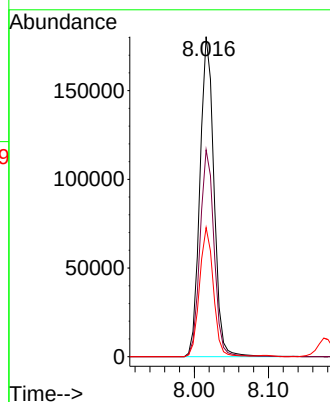
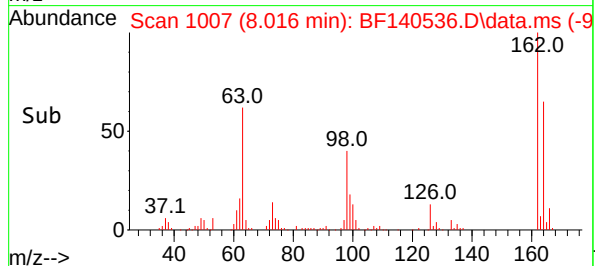
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 162   | Resp: | 23685 |
| Ion      | Ratio | Lower | Upper |
| 162      | 100   |       |       |
| 164      | 64.6  | 44.8  | 84.8  |
| 98       | 40.3  | 21.2  | 61.2  |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/27/2024



#30

1,2,4-Trichlorobenzene

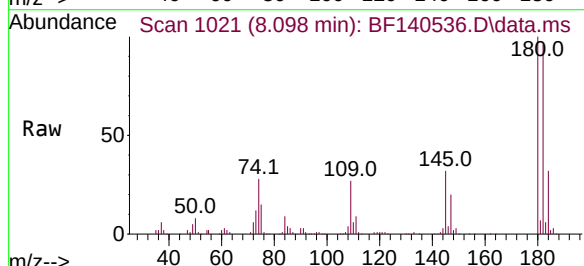
Concen: 38.901 ng

RT: 8.098 min Scan# 1021

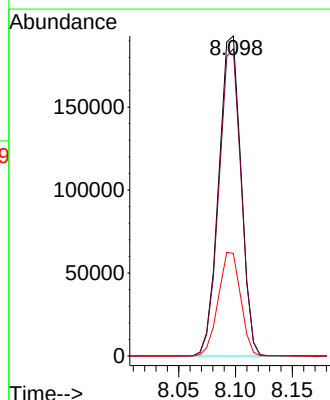
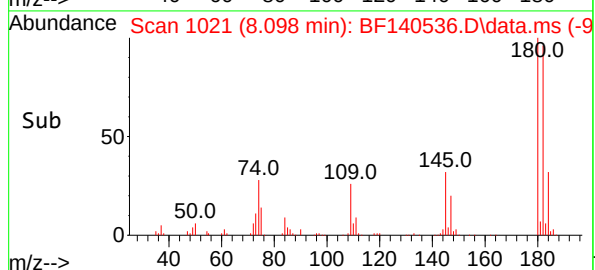
Delta R.T. -0.000 min

Lab File: BF140536.D

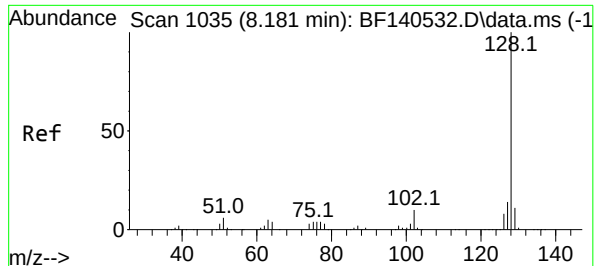
Acq: 21 Nov 2024 15:07



|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 180   | Resp: | 263327 |
| Ion      | Ratio | Lower | Upper  |
| 180      | 100   |       |        |
| 182      | 96.0  | 76.4  | 114.6  |
| 145      | 32.1  | 25.9  | 38.9   |







#31

Naphthalene

Concen: 39.152 ng

RT: 8.175 min Scan# 1034

Delta R.T. -0.006 min

Lab File: BF140536.D

Acq: 21 Nov 2024 15:07

Instrument :

BNA\_F

ClientSampleId :

ICVBF112124

Tgt Ion:128 Resp: 84218

Ion Ratio Lower Upper

128 100

129 11.0 8.6 13.0

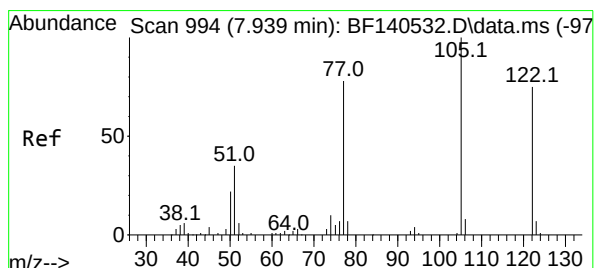
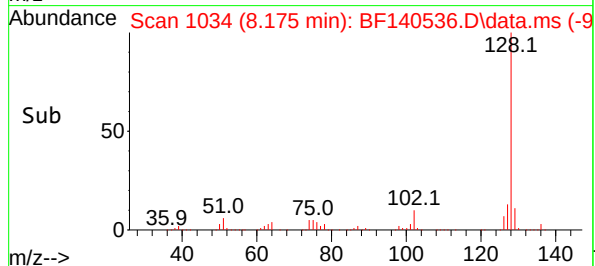
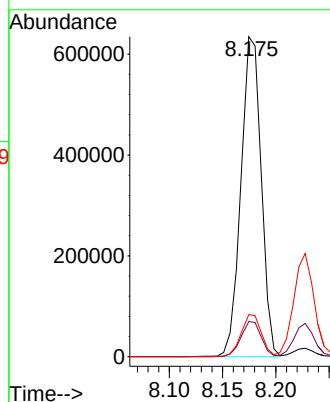
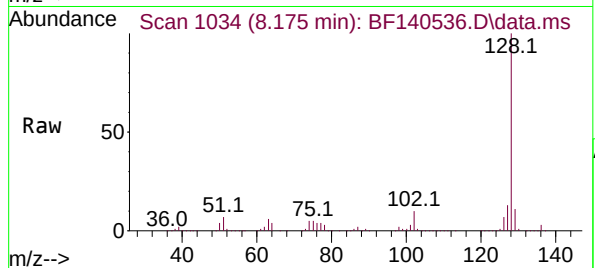
127 13.2 10.8 16.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/27/2024



#32

Benzoic acid

Concen: 41.429 ng

RT: 7.939 min Scan# 994

Delta R.T. 0.000 min

Lab File: BF140536.D

Acq: 21 Nov 2024 15:07

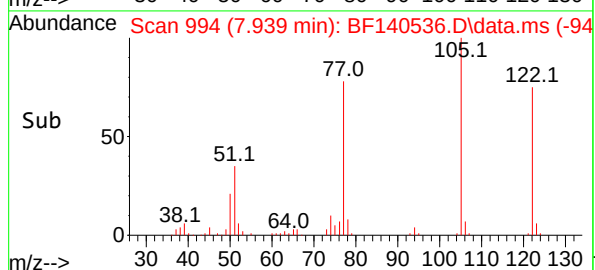
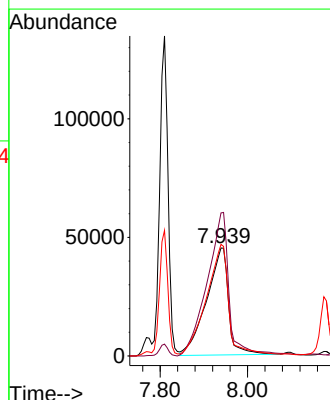
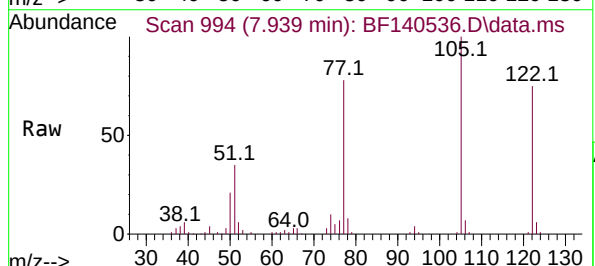
Tgt Ion:122 Resp: 156794

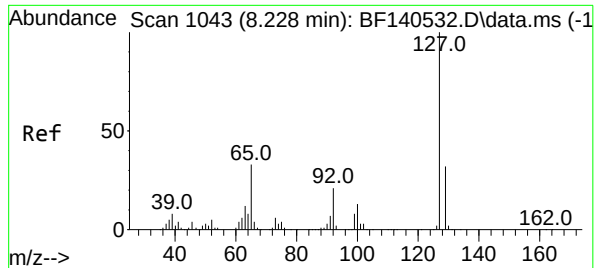
Ion Ratio Lower Upper

122 100

105 132.5 109.3 149.3

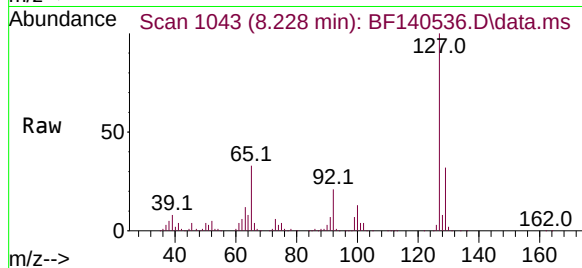
77 103.2 82.3 122.3





#33  
4-Chloroaniline  
Concen: 43.551 ng  
RT: 8.228 min Scan# 1043  
Delta R.T. -0.000 min  
Lab File: BF140536.D  
Acq: 21 Nov 2024 15:07

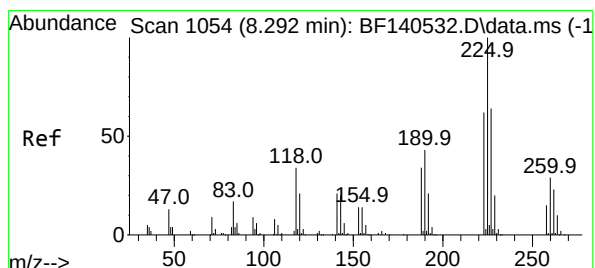
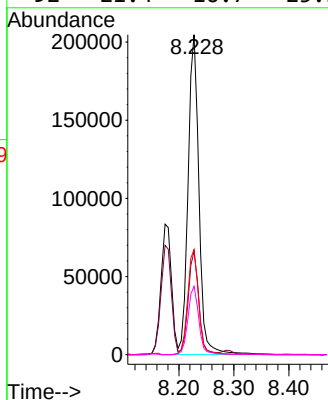
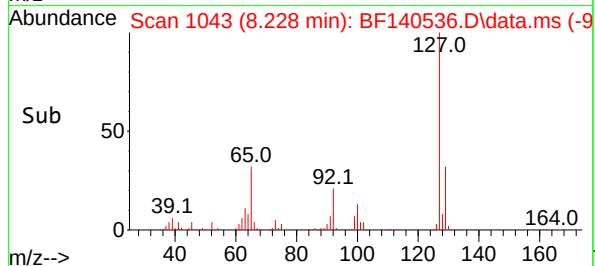
Instrument :  
BNA\_F  
ClientSampleId :  
ICVBF112124



Tgt Ion:127 Resp: 28048  
Ion Ratio Lower Upper  
127 100  
129 32.3 26.0 39.0  
65 32.9 26.0 39.0  
92 21.4 16.7 25.1

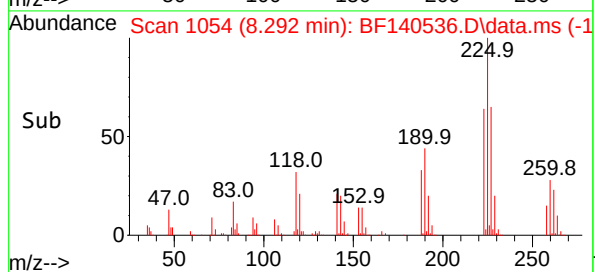
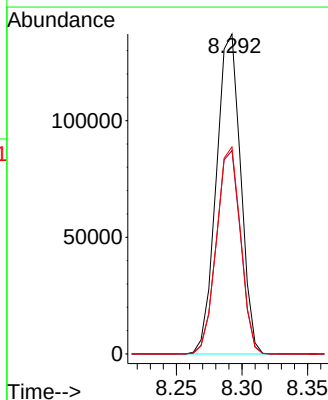
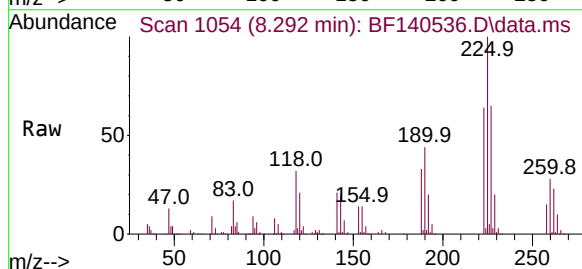
Manual Integrations  
APPROVED

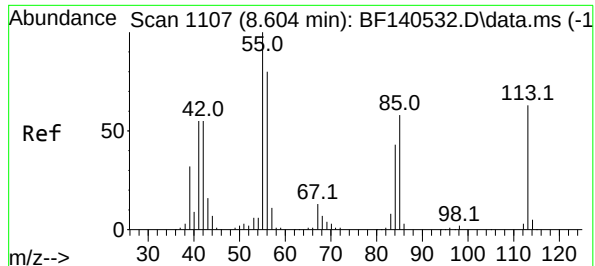
Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024



#34  
Hexachlorobutadiene  
Concen: 39.406 ng  
RT: 8.292 min Scan# 1054  
Delta R.T. -0.000 min  
Lab File: BF140536.D  
Acq: 21 Nov 2024 15:07

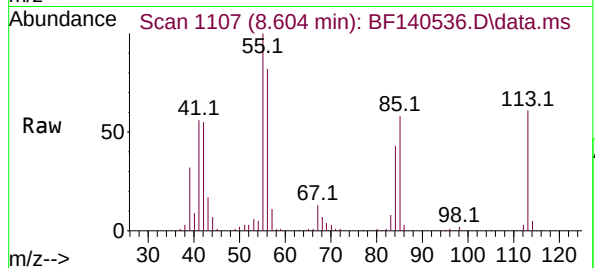
Tgt Ion:225 Resp: 176676  
Ion Ratio Lower Upper  
225 100  
223 63.5 49.8 74.8  
227 64.7 51.3 76.9





#35  
Caprolactam  
Concen: 40.381 ng  
RT: 8.604 min Scan# 1107  
Delta R.T. -0.000 min  
Lab File: BF140536.D  
Acq: 21 Nov 2024 15:07

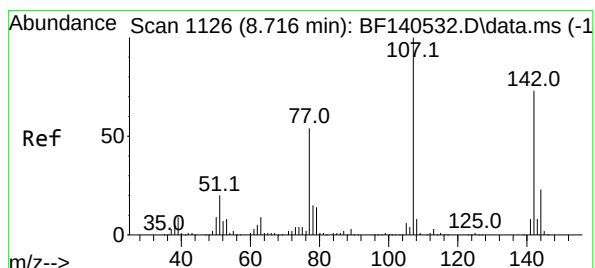
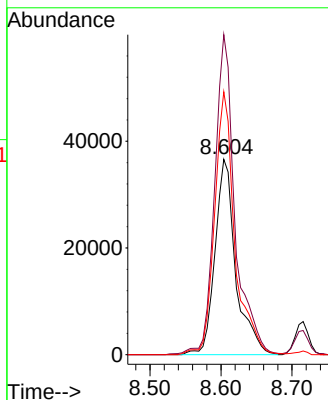
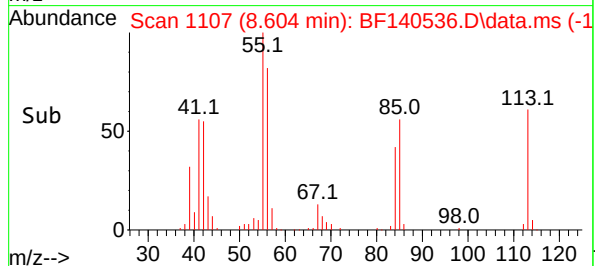
Instrument :  
BNA\_F  
ClientSampleId :  
ICVBF112124



Tgt Ion:113 Resp: 74088  
Ion Ratio Lower Upper  
113 100  
55 163.7 137.7 177.7  
56 134.5 106.4 146.4

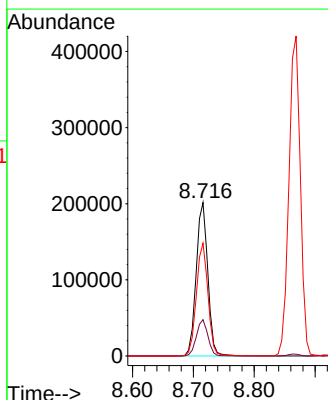
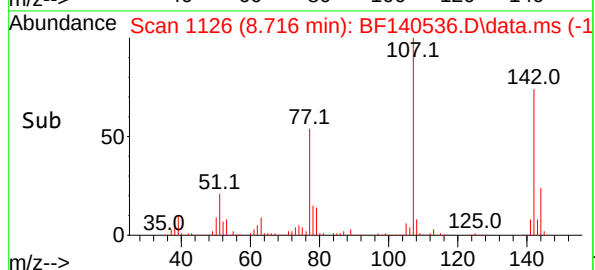
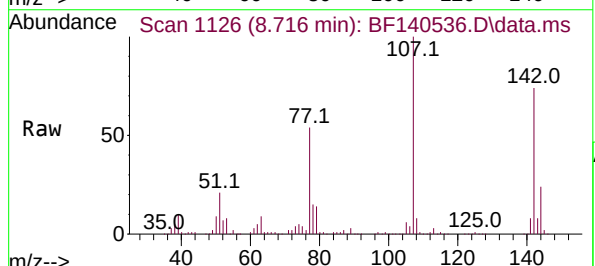
Manual Integrations  
APPROVED

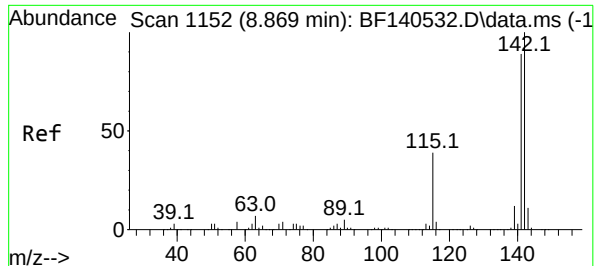
Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024



#36  
4-Chloro-3-methylphenol  
Concen: 40.203 ng  
RT: 8.716 min Scan# 1126  
Delta R.T. -0.000 min  
Lab File: BF140536.D  
Acq: 21 Nov 2024 15:07

Tgt Ion:107 Resp: 266862  
Ion Ratio Lower Upper  
107 100  
144 23.7 18.7 28.1  
142 73.5 58.3 87.5





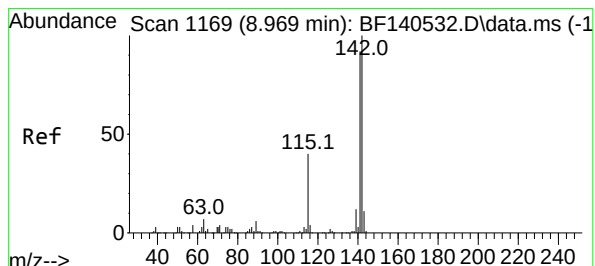
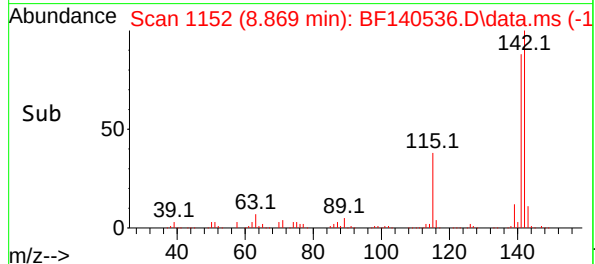
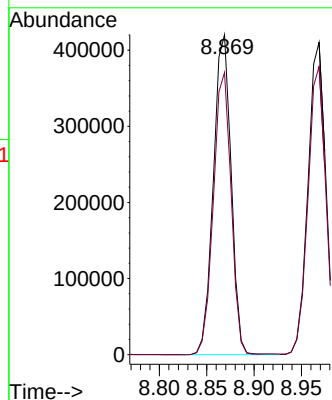
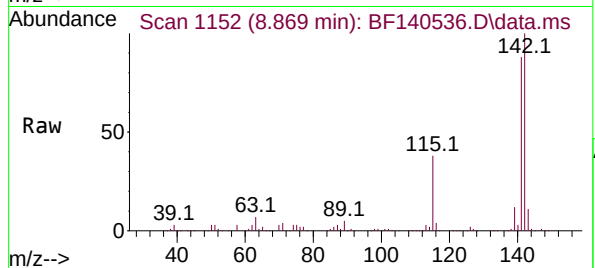
#37  
2-Methylnaphthalene  
Concen: 39.987 ng  
RT: 8.869 min Scan# 1152  
Delta R.T. -0.000 min  
Lab File: BF140536.D  
Acq: 21 Nov 2024 15:07

Instrument :  
BNA\_F  
ClientSampleId :  
ICVBF112124

Tgt Ion:142 Resp: 54633  
Ion Ratio Lower Upper  
142 100  
141 88.2 71.0 106.6

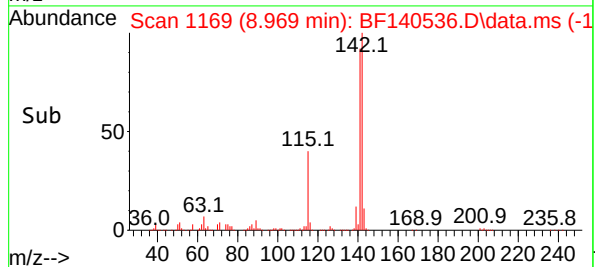
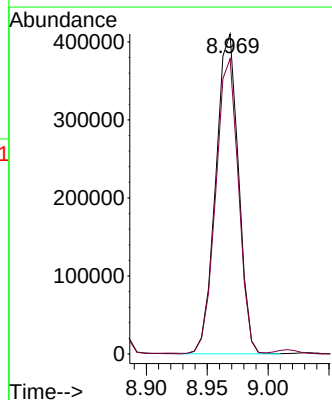
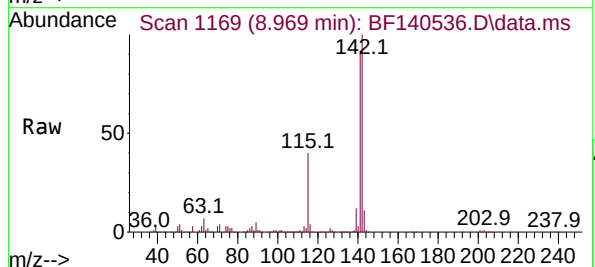
Manual Integrations  
APPROVED

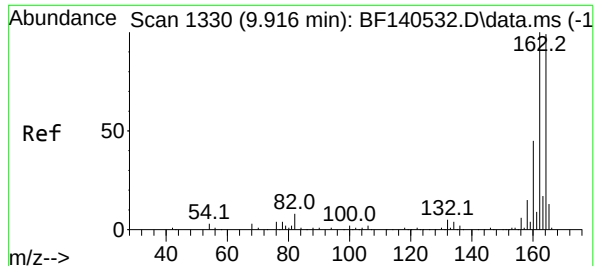
Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024



#38  
1-Methylnaphthalene  
Concen: 39.688 ng  
RT: 8.969 min Scan# 1169  
Delta R.T. -0.000 min  
Lab File: BF140536.D  
Acq: 21 Nov 2024 15:07

Tgt Ion:142 Resp: 531502  
Ion Ratio Lower Upper  
142 100  
141 92.3 73.3 109.9





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.916 min Scan# 1180

Delta R.T. -0.000 min

Lab File: BF140536.D

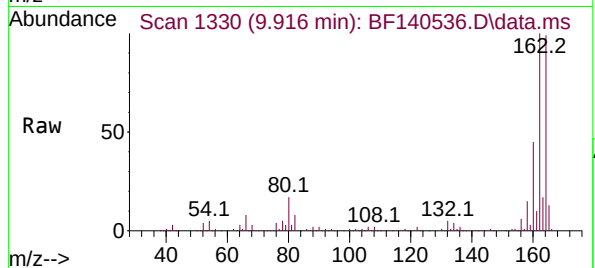
Acq: 21 Nov 2024 15:07

Instrument :

BNA\_F

ClientSampleId :

ICVBF112124



Tgt Ion:164 Resp: 239418

Ion Ratio Lower Upper

164 100

162 100.9 80.6 120.8

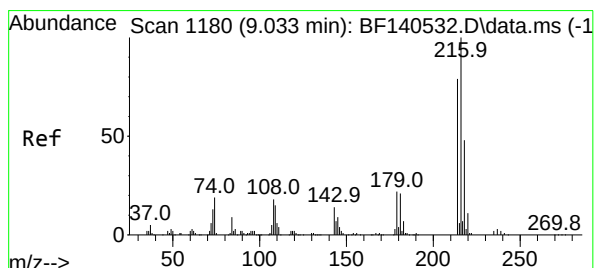
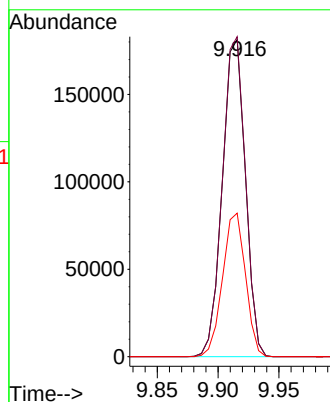
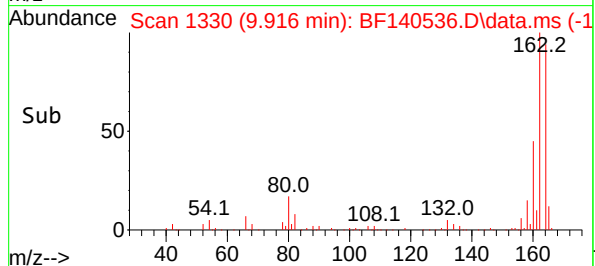
160 45.3 36.2 54.4

Manual Integrations

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Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/27/2024



#40

1,2,4,5-Tetrachlorobenzene

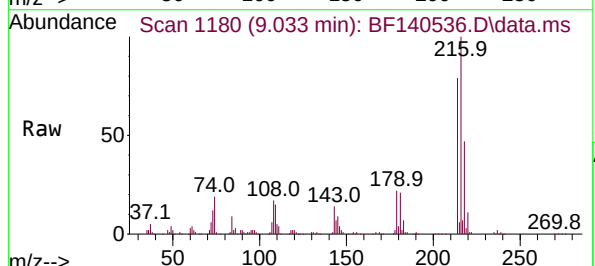
Concen: 38.824 ng

RT: 9.033 min Scan# 1180

Delta R.T. -0.000 min

Lab File: BF140536.D

Acq: 21 Nov 2024 15:07



Tgt Ion:216 Resp: 272114

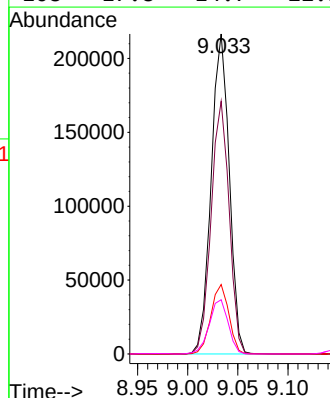
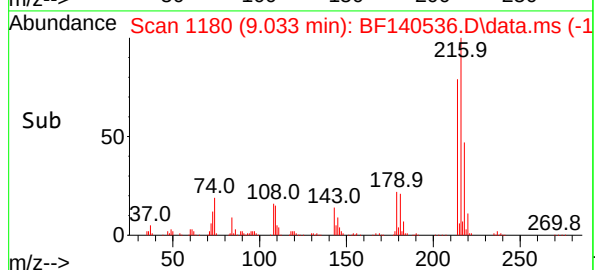
Ion Ratio Lower Upper

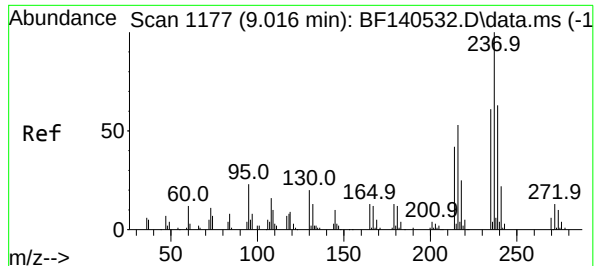
216 100

214 78.5 63.0 94.4

179 21.6 17.5 26.3

108 17.8 14.7 22.1





#41

Hexachlorocyclopentadiene

Concen: 37.711 ng

RT: 9.016 min Scan# 1177

Delta R.T. -0.000 min

Lab File: BF140536.D

Acq: 21 Nov 2024 15:07

Instrument :

BNA\_F

ClientSampleId :

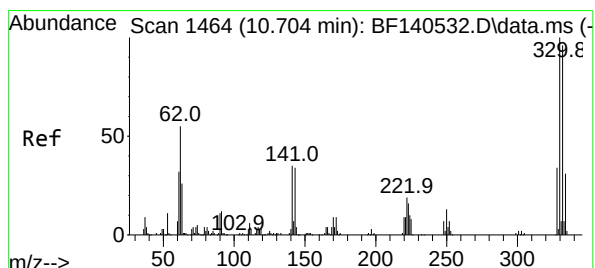
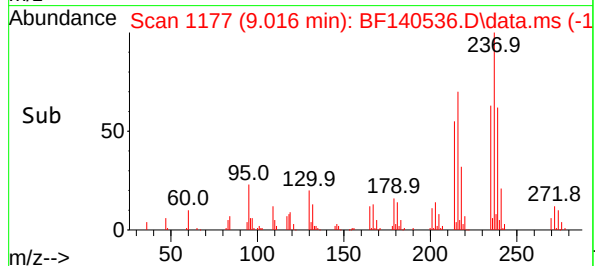
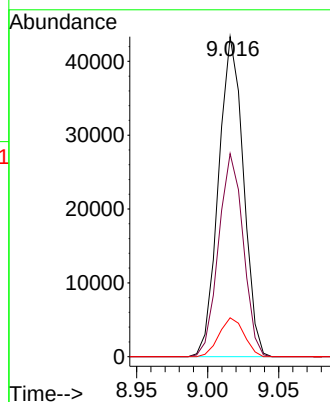
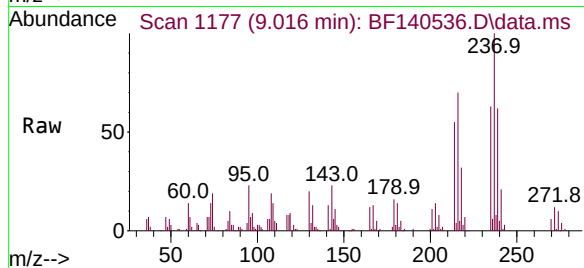
ICVBF112124

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 237   | Resp: | 52730 |
| Ion      | Ratio | Lower | Upper |
| 237      | 100   |       |       |
| 235      | 63.4  | 41.1  | 81.1  |
| 272      | 12.2  | 0.0   | 32.6  |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024



#42

2,4,6-Tribromophenol

Concen: 79.677 ng

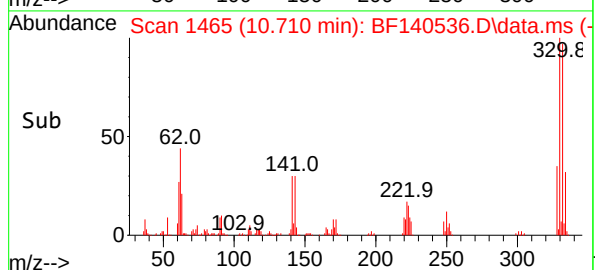
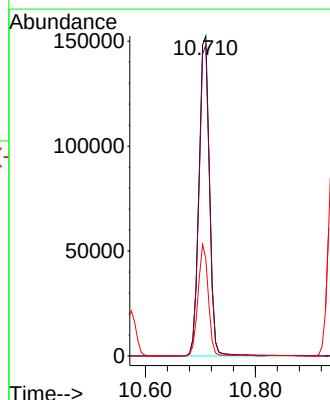
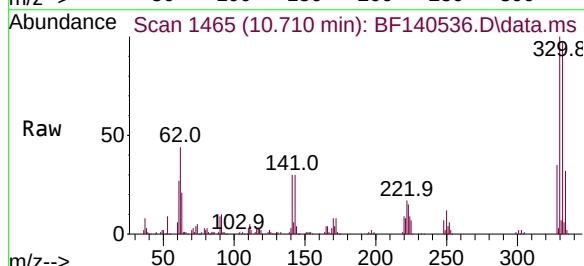
RT: 10.710 min Scan# 1465

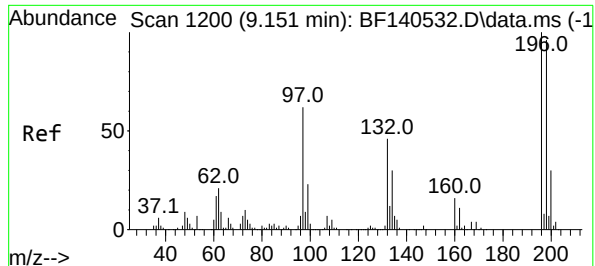
Delta R.T. 0.006 min

Lab File: BF140536.D

Acq: 21 Nov 2024 15:07

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 330   | Resp: | 204020 |
| Ion      | Ratio | Lower | Upper  |
| 330      | 100   |       |        |
| 332      | 97.1  | 76.9  | 115.3  |
| 141      | 33.7  | 26.7  | 40.1   |





#43

2,4,6-Trichlorophenol

Concen: 39.390 ng

RT: 9.151 min Scan# 1200

Delta R.T. -0.000 min

Lab File: BF140536.D

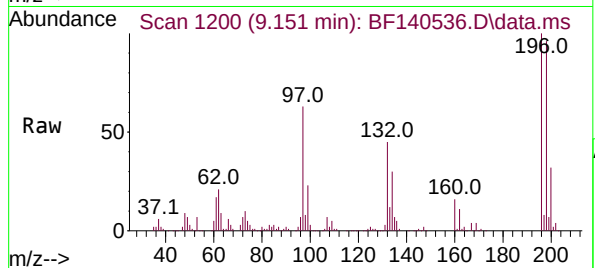
Acq: 21 Nov 2024 15:07

Instrument :

BNA\_F

ClientSampleId :

ICVBF112124



Tgt Ion:196 Resp: 173239

Ion Ratio Lower Upper

196 100

198 95.9 76.8 115.2

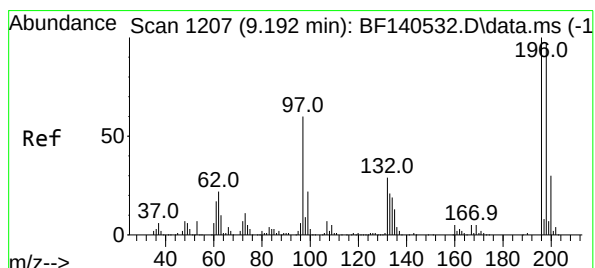
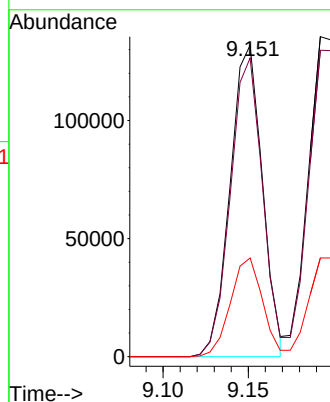
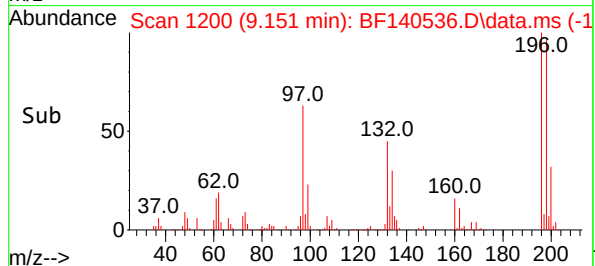
200 31.7 24.3 36.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/27/2024



#44

2,4,5-Trichlorophenol

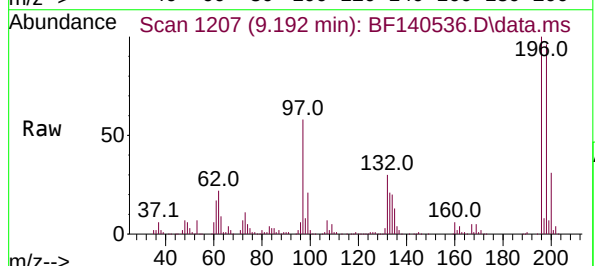
Concen: 40.302 ng

RT: 9.192 min Scan# 1207

Delta R.T. -0.000 min

Lab File: BF140536.D

Acq: 21 Nov 2024 15:07



Tgt Ion:196 Resp: 192368

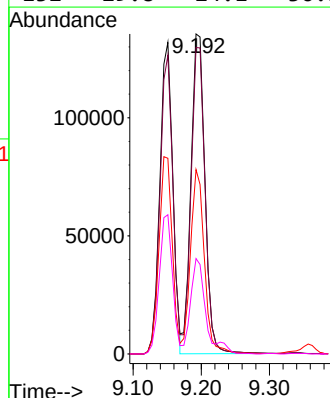
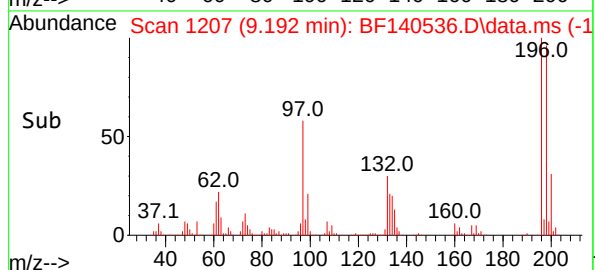
Ion Ratio Lower Upper

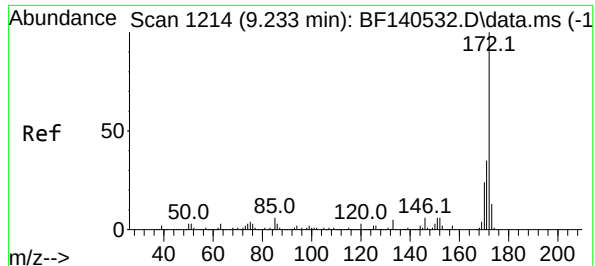
196 100

198 95.7 77.2 115.8

97 57.6 47.1 70.7

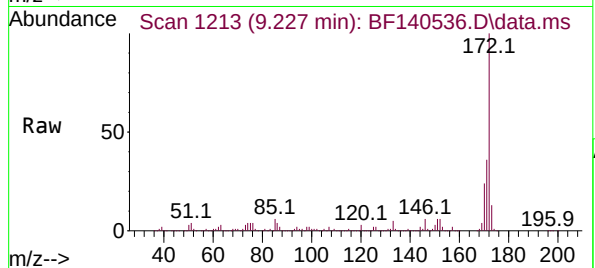
132 29.8 24.1 36.1





#45  
2-Fluorobiphenyl  
Concen: 76.390 ng  
RT: 9.227 min Scan# 1213  
Delta R.T. -0.006 min  
Lab File: BF140536.D  
Acq: 21 Nov 2024 15:07

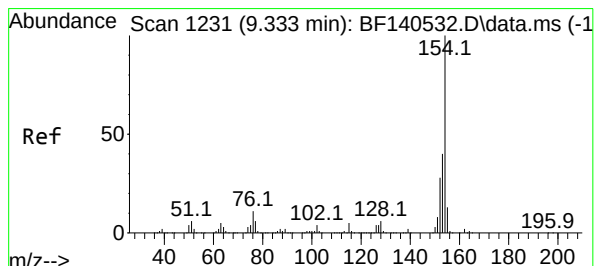
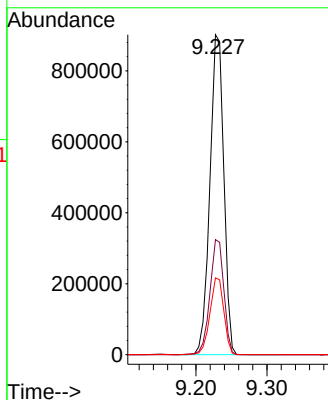
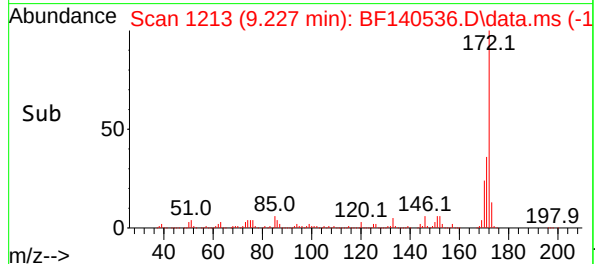
Instrument :  
BNA\_F  
ClientSampleId :  
ICVBF112124



Tgt Ion:172 Resp: 122750  
Ion Ratio Lower Upper  
172 100  
171 35.9 28.4 42.6  
170 24.0 19.0 28.6

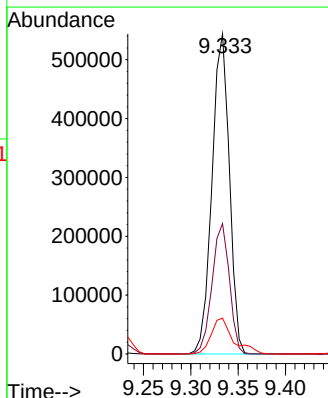
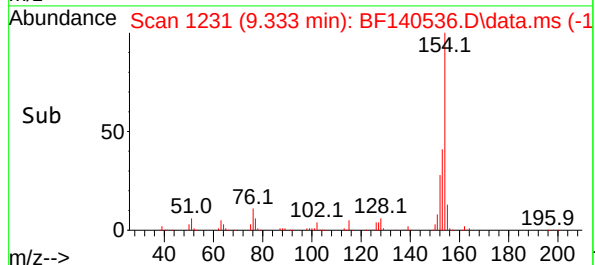
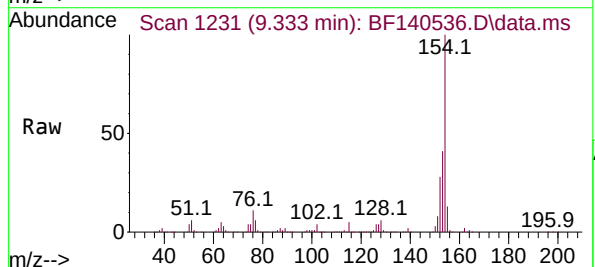
Manual Integrations  
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Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024

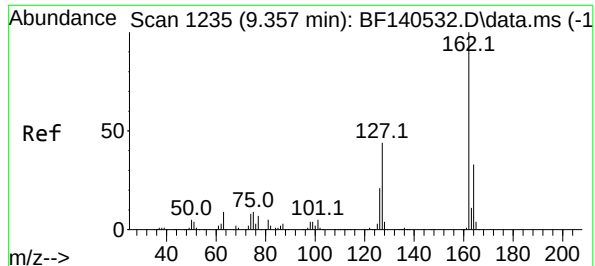


#46  
1,1'-Biphenyl  
Concen: 38.769 ng  
RT: 9.333 min Scan# 1231  
Delta R.T. -0.000 min  
Lab File: BF140536.D  
Acq: 21 Nov 2024 15:07

Tgt Ion:154 Resp: 693007  
Ion Ratio Lower Upper  
154 100  
153 40.8 20.4 60.4  
76 11.2 0.0 31.2







#47

2-Chloronaphthalene

Concen: 39.197 ng

RT: 9.357 min Scan# 1235

Delta R.T. -0.000 min

Lab File: BF140536.D

Acq: 21 Nov 2024 15:07

Instrument :

BNA\_F

ClientSampleId :

ICVBF112124

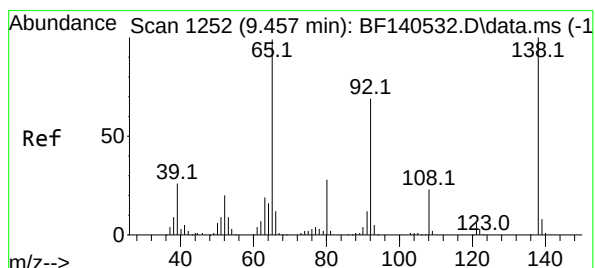
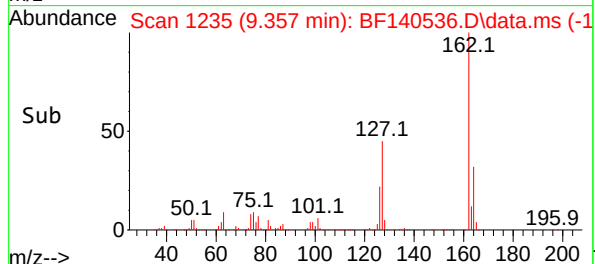
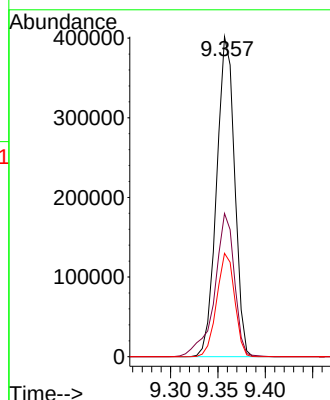
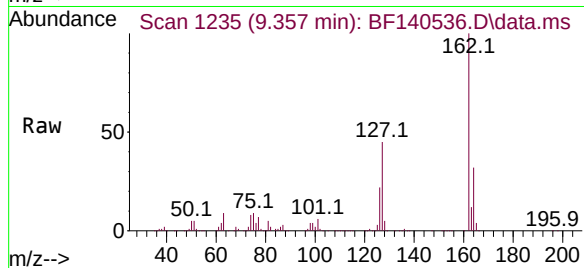
| Tgt Ion:  | 162   | Resp: | 53089 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 162       | 100   |       |       |
| 127       | 44.8  | 35.7  | 53.5  |
| 164       | 32.3  | 26.1  | 39.1  |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/27/2024



#48

2-Nitroaniline

Concen: 40.037 ng

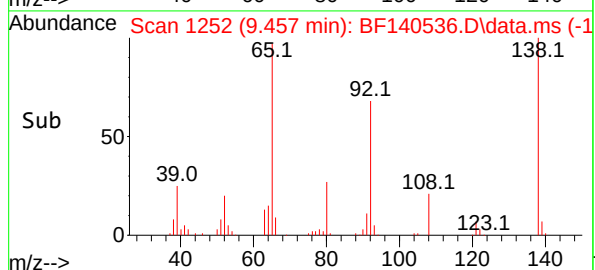
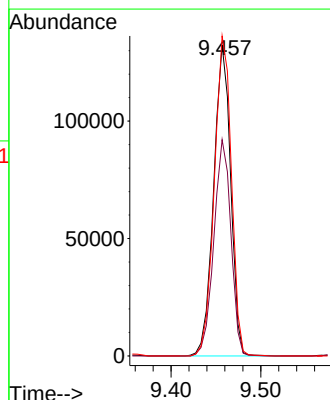
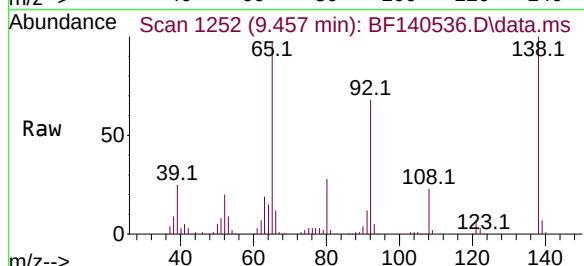
RT: 9.457 min Scan# 1252

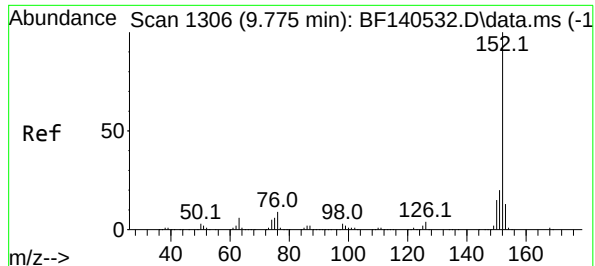
Delta R.T. -0.000 min

Lab File: BF140536.D

Acq: 21 Nov 2024 15:07

| Tgt Ion:  | 65    | Resp: | 174060 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 65        | 100   |       |        |
| 92        | 69.5  | 56.1  | 84.1   |
| 138       | 102.8 | 81.0  | 121.6  |





#49

Acenaphthylene

Concen: 38.850 ng

RT: 9.774 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF140536.D

Acq: 21 Nov 2024 15:07

Instrument :

BNA\_F

ClientSampleId :

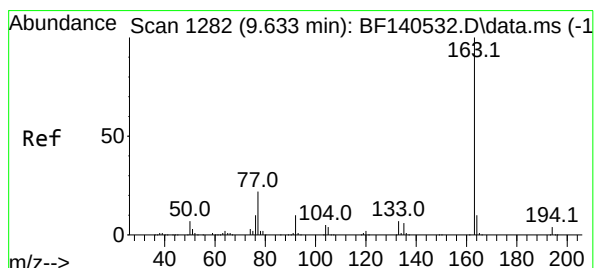
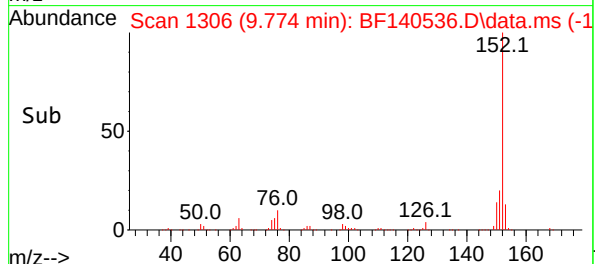
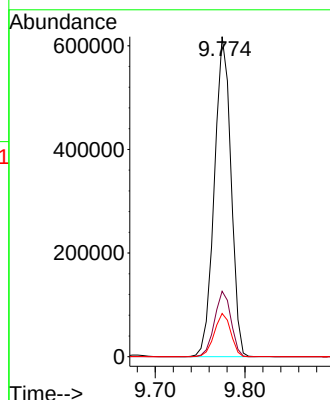
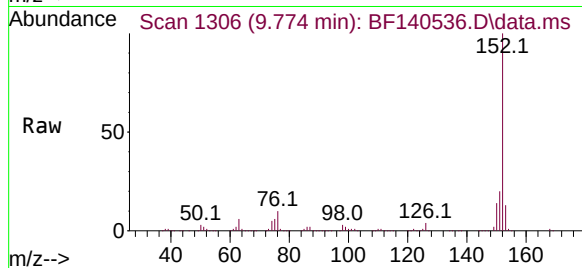
ICVBF112124

|             |                |
|-------------|----------------|
| Tgt Ion:152 | Resp: 79506    |
| Ion Ratio   | Lower Upper    |
| 152         | 100            |
| 151         | 20.4 15.9 23.9 |
| 153         | 13.5 10.6 16.0 |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024



#50

Dimethylphthalate

Concen: 39.591 ng

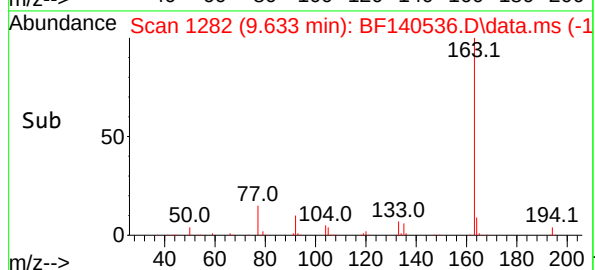
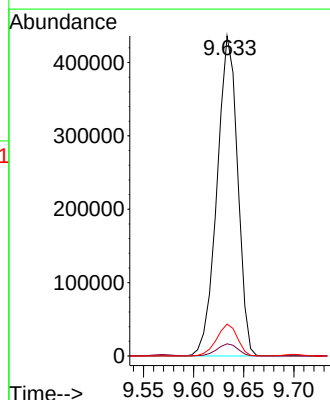
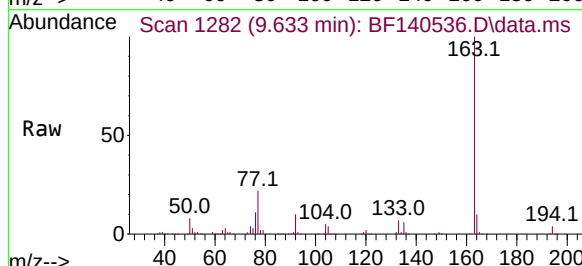
RT: 9.633 min Scan# 1282

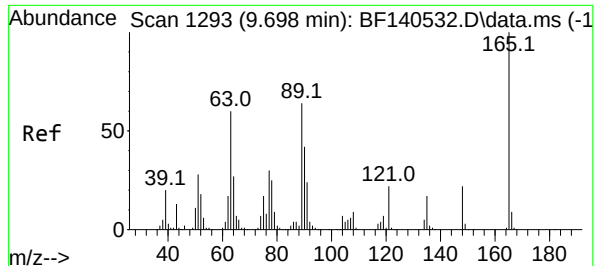
Delta R.T. -0.000 min

Lab File: BF140536.D

Acq: 21 Nov 2024 15:07

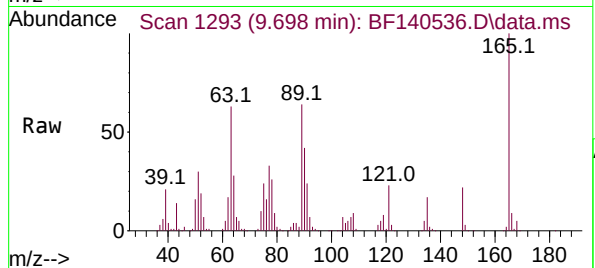
|             |              |
|-------------|--------------|
| Tgt Ion:163 | Resp: 624268 |
| Ion Ratio   | Lower Upper  |
| 163         | 100          |
| 194         | 3.8 3.1 4.7  |
| 164         | 9.9 8.2 12.2 |





#51  
2,6-Dinitrotoluene  
Concen: 39.356 ng  
RT: 9.698 min Scan# 1293  
Delta R.T. -0.000 min  
Lab File: BF140536.D  
Acq: 21 Nov 2024 15:07

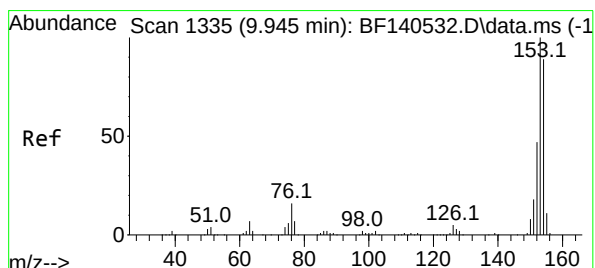
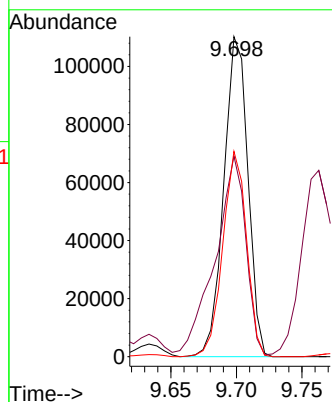
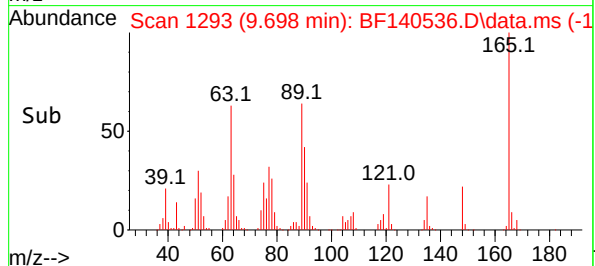
Instrument :  
BNA\_F  
ClientSampleId :  
ICVBF112124



Tgt Ion:165 Resp: 140739  
Ion Ratio Lower Upper  
165 100  
63 62.6 49.9 74.9  
89 64.1 50.9 76.3

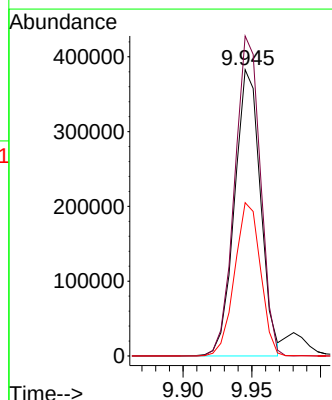
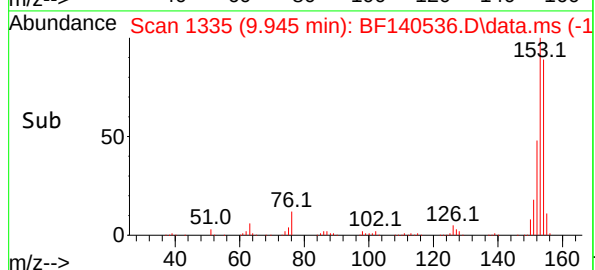
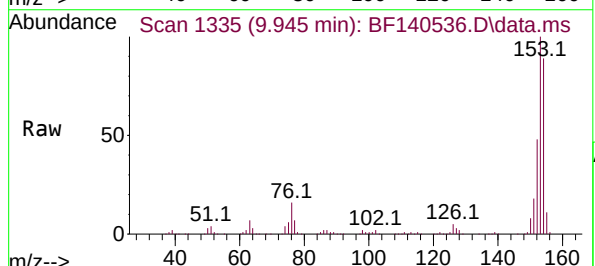
Manual Integrations  
APPROVED

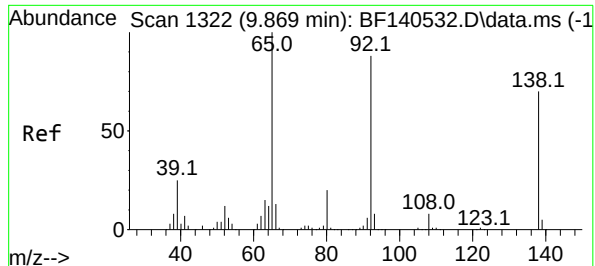
Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024



#52  
Acenaphthene  
Concen: 38.578 ng m  
RT: 9.945 min Scan# 1335  
Delta R.T. -0.000 min  
Lab File: BF140536.D  
Acq: 21 Nov 2024 15:07

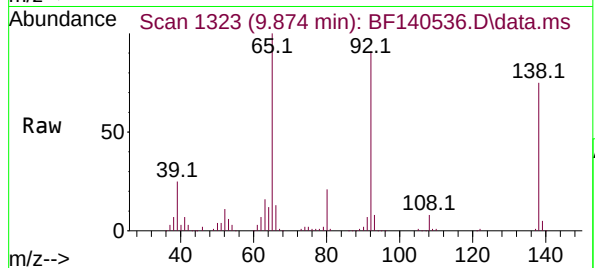
Tgt Ion:154 Resp: 501631  
Ion Ratio Lower Upper  
154 100  
153 111.8 89.7 134.5  
152 53.6 42.5 63.7





#53  
3-Nitroaniline  
Concen: 40.901 ng  
RT: 9.874 min Scan# 1322  
Delta R.T. 0.006 min  
Lab File: BF140536.D  
Acq: 21 Nov 2024 15:07

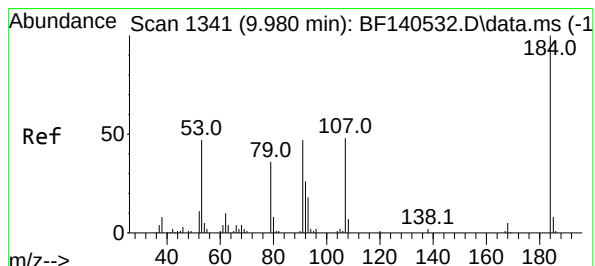
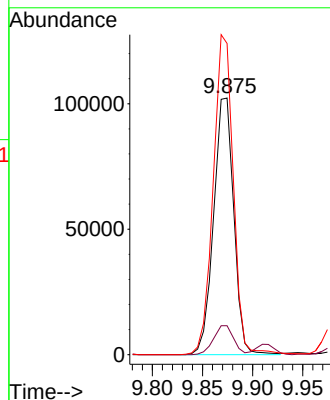
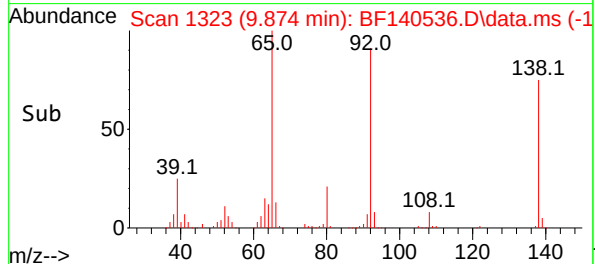
Instrument :  
BNA\_F  
ClientSampleId :  
ICVBF112124



Tgt Ion:138 Resp: 14305  
Ion Ratio Lower Upper  
138 100  
108 11.3 9.2 13.8  
92 121.3 100.6 150.8

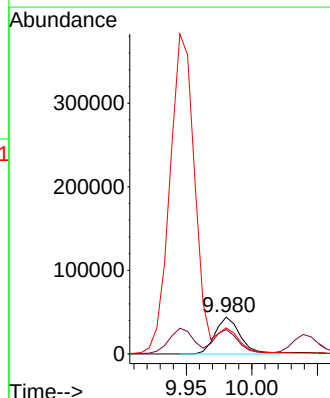
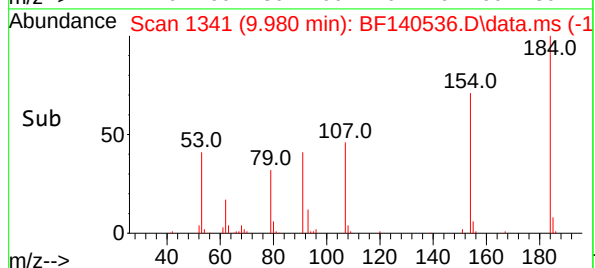
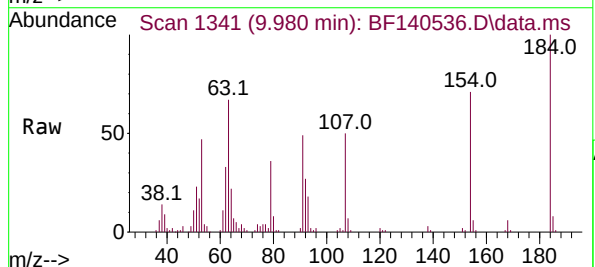
Manual Integrations  
APPROVED

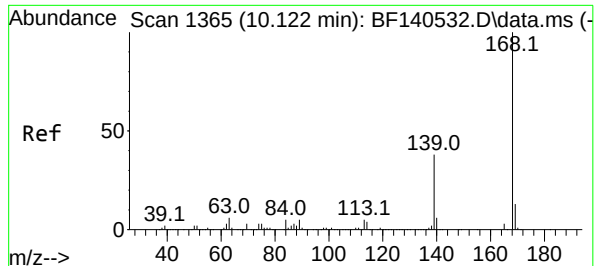
Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024



#54  
2,4-Dinitrophenol  
Concen: 36.341 ng  
RT: 9.980 min Scan# 1341  
Delta R.T. 0.000 min  
Lab File: BF140536.D  
Acq: 21 Nov 2024 15:07

Tgt Ion:184 Resp: 58542  
Ion Ratio Lower Upper  
184 100  
63 66.6 54.1 81.1  
154 71.0 57.4 86.0





#55

Dibenzenofuran

Concen: 38.644 ng

RT: 10.122 min Scan# 1365

Delta R.T. -0.000 min

Lab File: BF140536.D

Acq: 21 Nov 2024 15:07

Instrument :

BNA\_F

ClientSampleId :

ICVBF112124

Tgt Ion:168 Resp: 766460

Ion Ratio Lower Upper

168 100

139 39.7 31.3 46.9

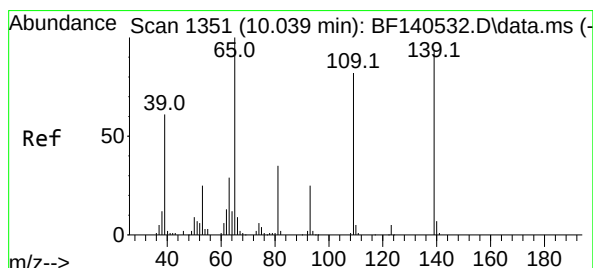
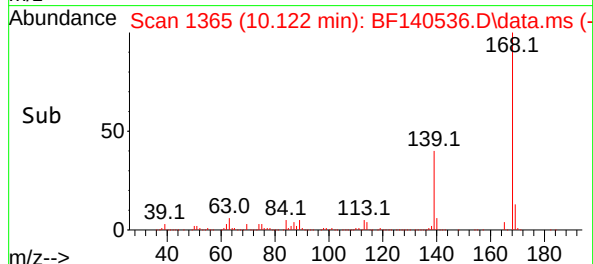
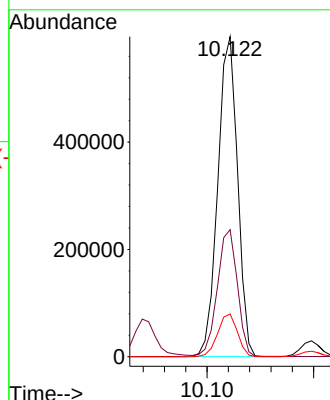
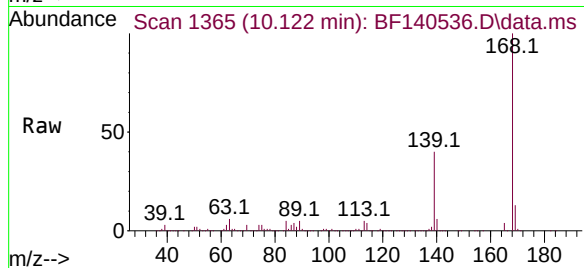
169 13.4 10.5 15.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/27/2024



#56

4-Nitrophenol

Concen: 42.263 ng

RT: 10.039 min Scan# 1351

Delta R.T. 0.000 min

Lab File: BF140536.D

Acq: 21 Nov 2024 15:07

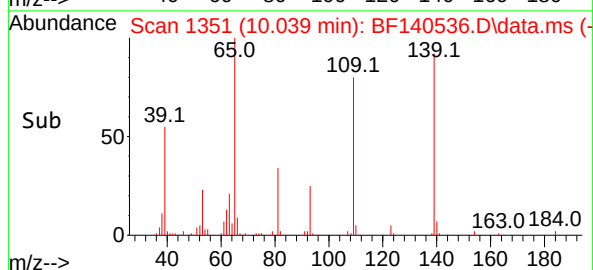
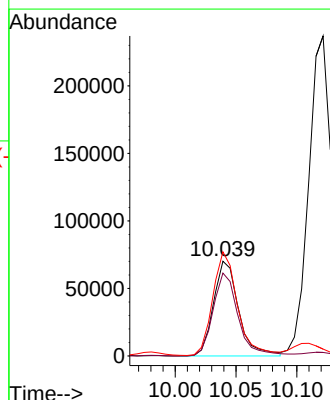
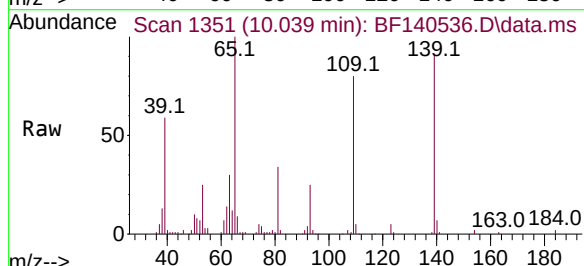
Tgt Ion:139 Resp: 100812

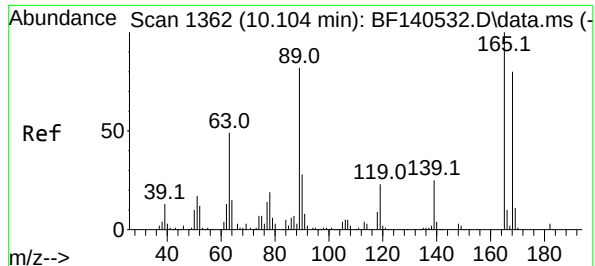
Ion Ratio Lower Upper

139 100

109 87.5 68.4 108.4

65 109.9 88.6 128.6





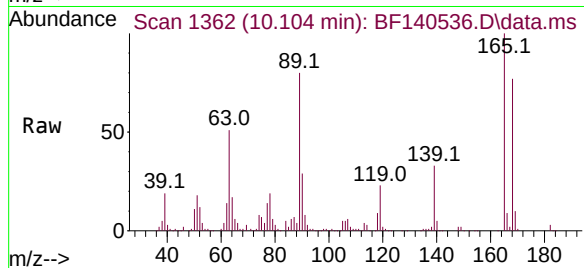
#57  
2,4-Dinitrotoluene  
Concen: 41.025 ng  
RT: 10.104 min Scan# 1362  
Delta R.T. -0.000 min  
Lab File: BF140536.D  
Acq: 21 Nov 2024 15:07

Instrument :

BNA\_F

ClientSampleId :

ICVBF112124

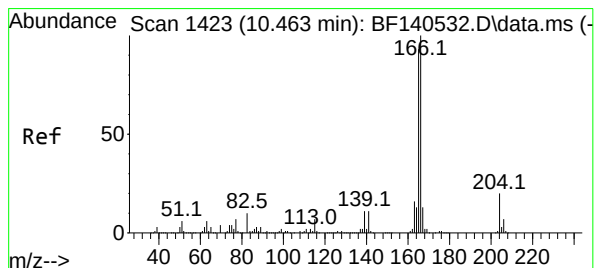
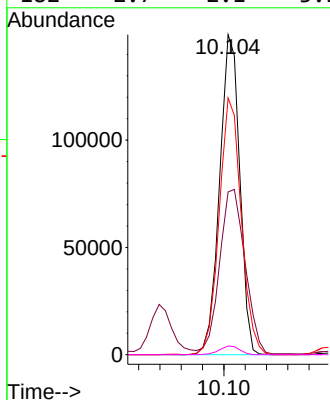
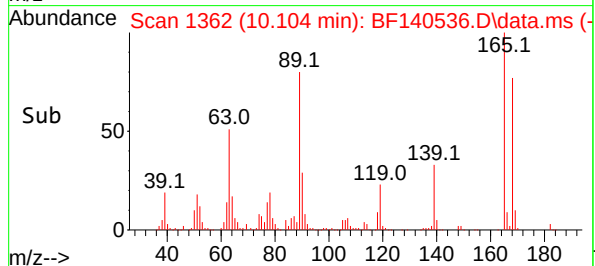


Tgt Ion:165 Resp: 194980  
Ion Ratio Lower Upper  
165 100  
63 50.9 41.7 62.5  
89 80.3 65.8 98.8  
182 2.7 2.1 3.1

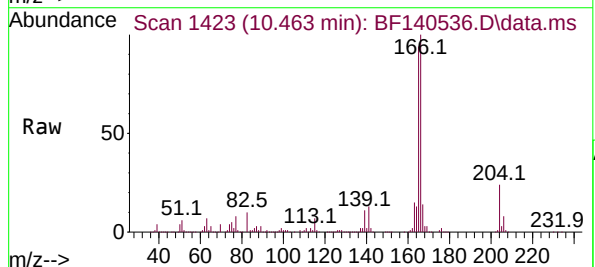
Manual Integrations

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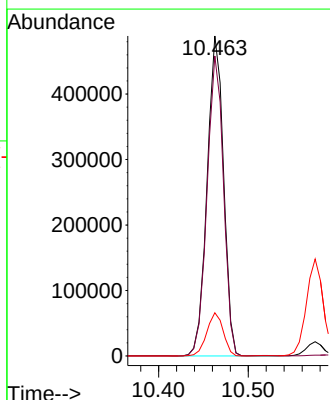
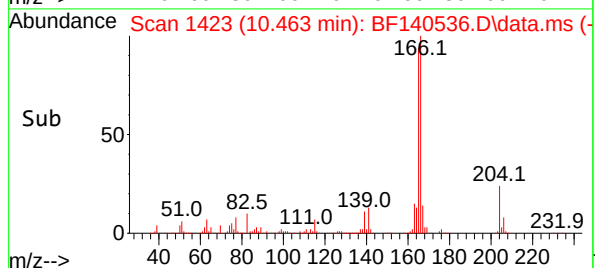
Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024

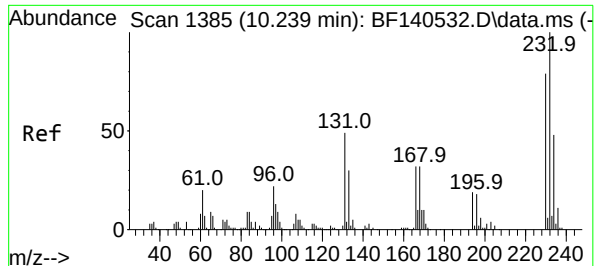


#58  
Fluorene  
Concen: 39.115 ng  
RT: 10.463 min Scan# 1423  
Delta R.T. -0.000 min  
Lab File: BF140536.D  
Acq: 21 Nov 2024 15:07



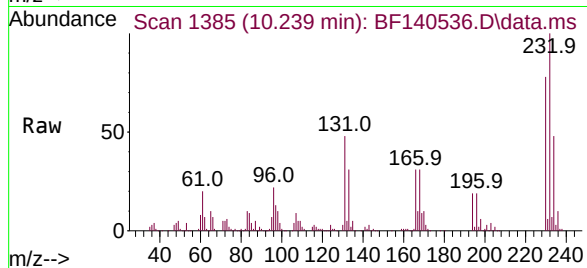
Tgt Ion:166 Resp: 622708  
Ion Ratio Lower Upper  
166 100  
165 93.7 74.6 111.8  
167 13.5 10.6 16.0





#59  
2,3,4,6-Tetrachlorophenol  
Concen: 41.797 ng  
RT: 10.239 min Scan# 1385  
Delta R.T. -0.000 min  
Lab File: BF140536.D  
Acq: 21 Nov 2024 15:07

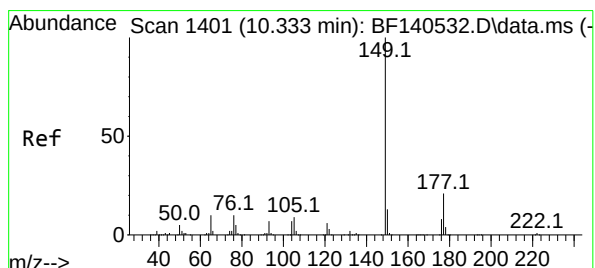
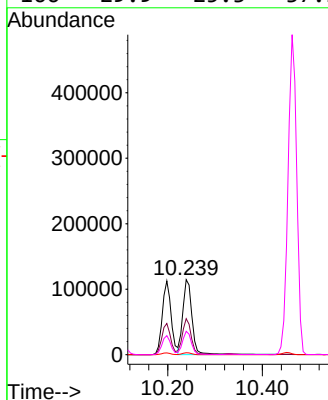
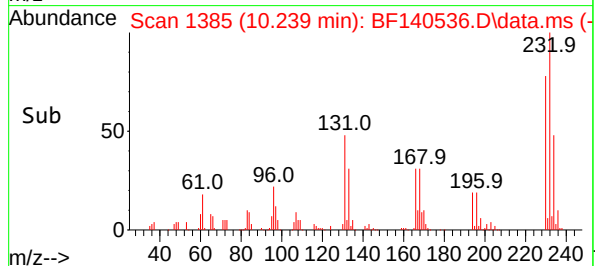
Instrument :  
BNA\_F  
ClientSampleId :  
ICVBF112124



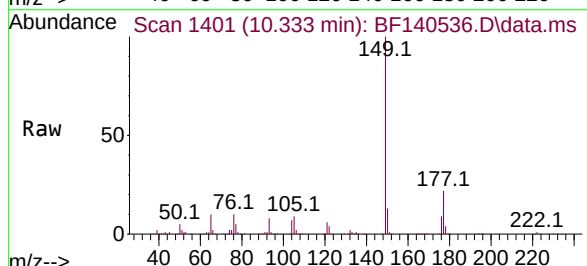
Tgt Ion:232 Resp: 153321  
Ion Ratio Lower Upper  
232 100  
131 46.8 39.6 59.4  
130 2.5 1.9 2.9  
166 29.9 25.3 37.9

Manual Integrations  
APPROVED

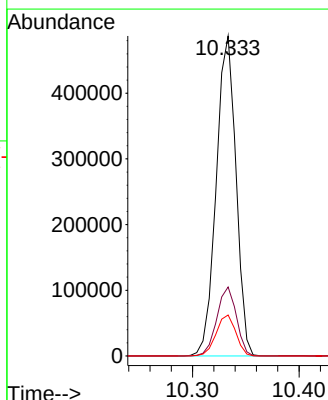
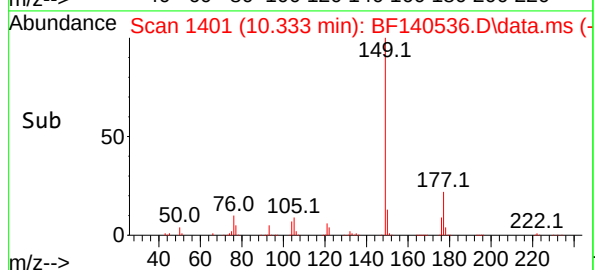
Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024

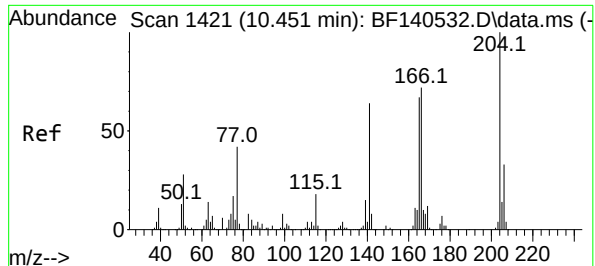


#60  
Diethylphthalate  
Concen: 39.078 ng  
RT: 10.333 min Scan# 1401  
Delta R.T. -0.000 min  
Lab File: BF140536.D  
Acq: 21 Nov 2024 15:07



Tgt Ion:149 Resp: 626046  
Ion Ratio Lower Upper  
149 100  
177 21.5 17.1 25.7  
150 12.8 10.1 15.1





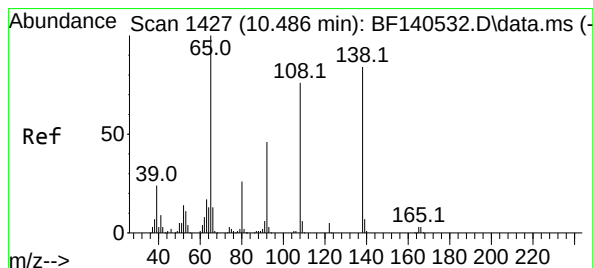
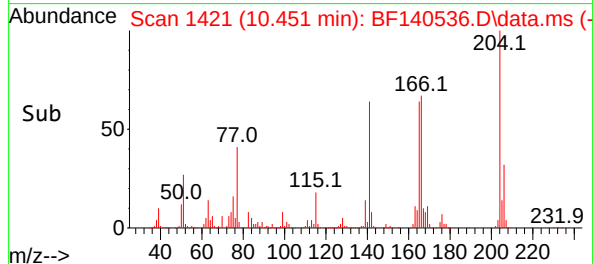
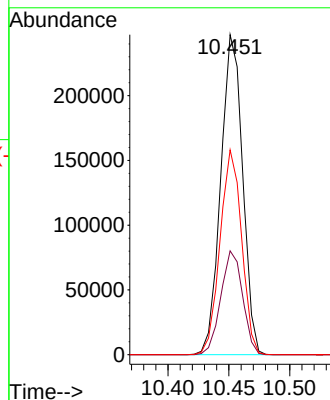
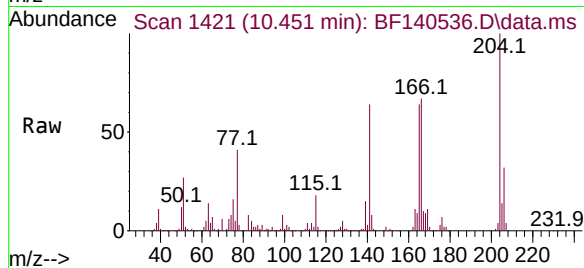
#61  
4-Chlorophenyl-phenylether  
Concen: 39.536 ng  
RT: 10.451 min Scan# 1421  
Delta R.T. -0.000 min  
Lab File: BF140536.D  
Acq: 21 Nov 2024 15:07

Instrument :  
BNA\_F  
ClientSampleId :  
ICVBF112124

Tgt Ion:204 Resp: 30889  
Ion Ratio Lower Upper  
204 100  
206 32.4 26.6 40.0  
141 64.0 51.1 76.7

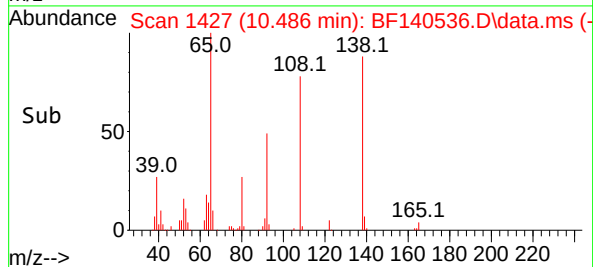
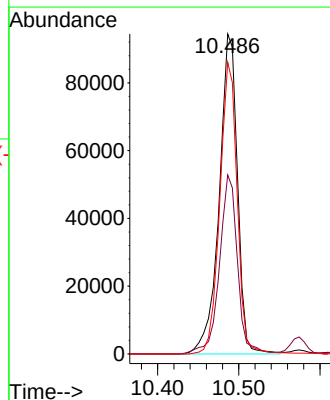
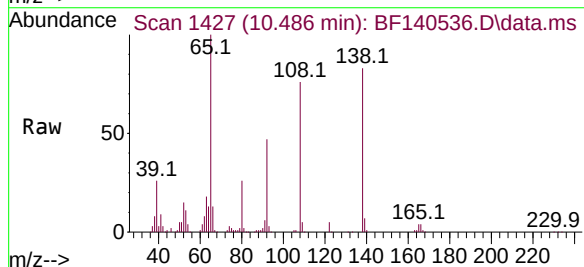
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024

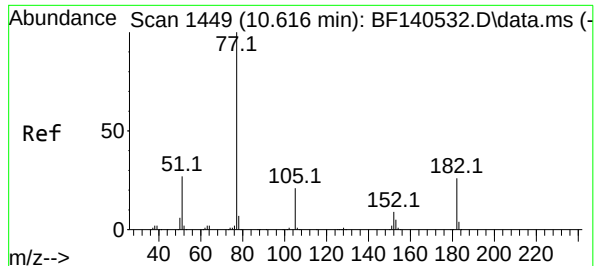


#62  
4-Nitroaniline  
Concen: 40.369 ng  
RT: 10.486 min Scan# 1427  
Delta R.T. -0.000 min  
Lab File: BF140536.D  
Acq: 21 Nov 2024 15:07

Tgt Ion:138 Resp: 148087  
Ion Ratio Lower Upper  
138 100  
92 56.0 34.5 74.5  
108 91.1 70.6 110.6

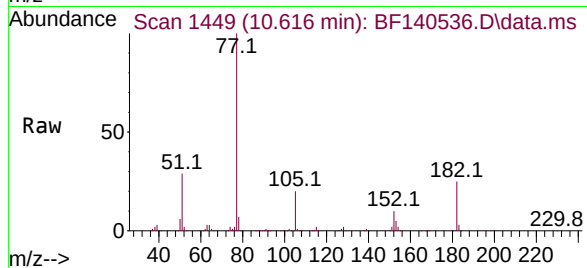






#63  
Azobenzene  
Concen: 39.396 ng  
RT: 10.616 min Scan# 1449  
Delta R.T. -0.000 min  
Lab File: BF140536.D  
Acq: 21 Nov 2024 15:07

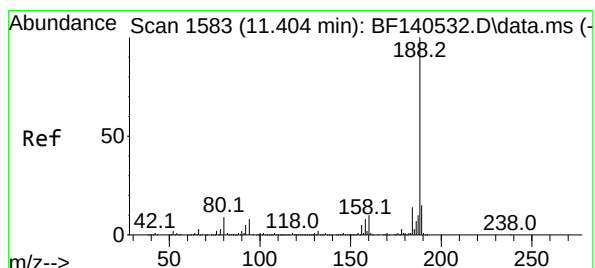
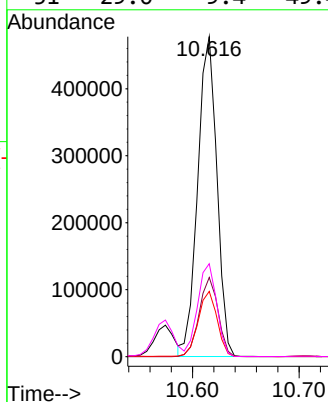
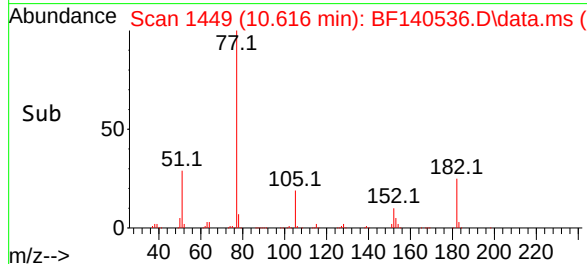
Instrument :  
BNA\_F  
ClientSampleId :  
ICVBF112124



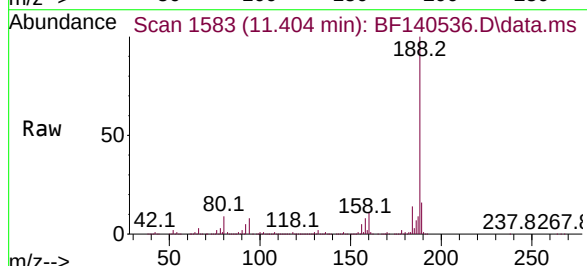
Tgt Ion: 77 Resp: 59768  
Ion Ratio Lower Upper  
77 100  
182 24.7 5.3 45.3  
105 20.4 0.3 40.3  
51 29.0 9.4 49.4

Manual Integrations  
APPROVED

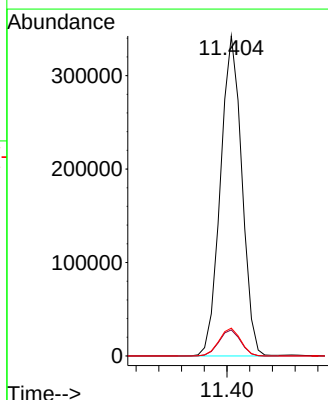
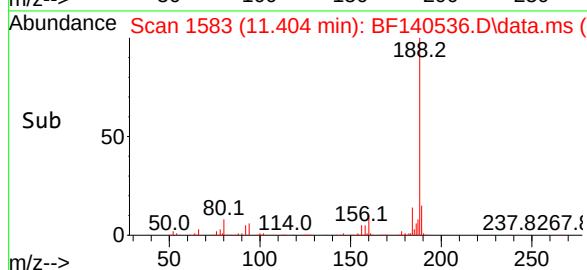
Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024

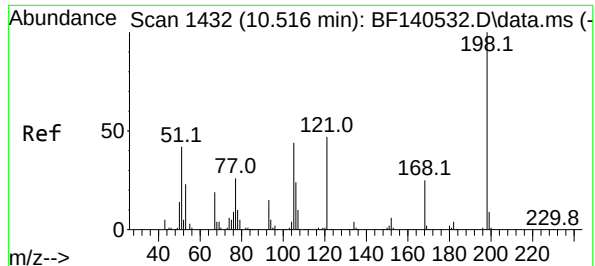


#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.404 min Scan# 1583  
Delta R.T. -0.000 min  
Lab File: BF140536.D  
Acq: 21 Nov 2024 15:07



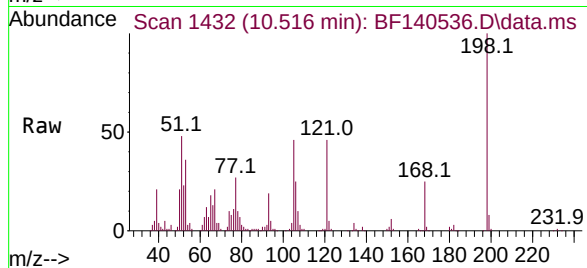
Tgt Ion:188 Resp: 448820  
Ion Ratio Lower Upper  
188 100  
94 8.2 6.4 9.6  
80 8.7 6.9 10.3





#65  
4,6-Dinitro-2-methylphenol  
Concen: 41.134 ng  
RT: 10.516 min Scan# 1432  
Delta R.T. -0.000 min  
Lab File: BF140536.D  
Acq: 21 Nov 2024 15:07

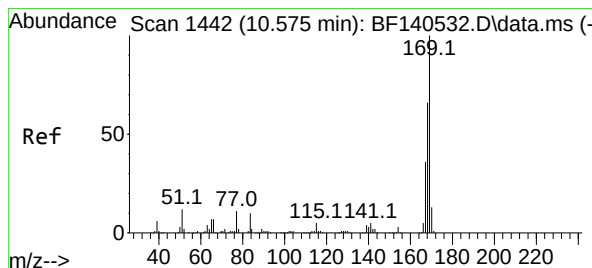
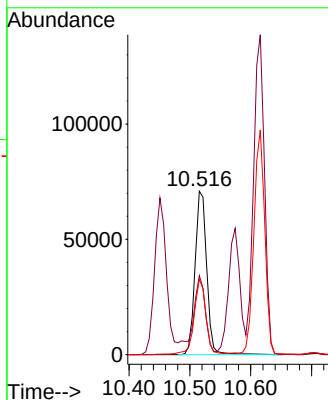
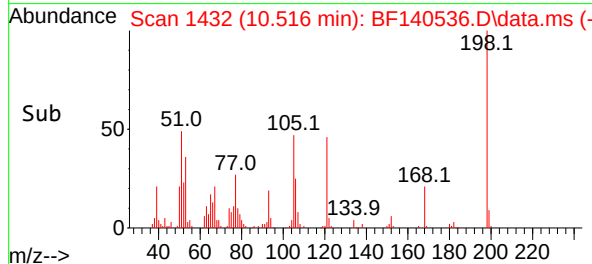
Instrument :  
BNA\_F  
ClientSampleId :  
ICVBF112124



Tgt Ion:198 Resp: 94340  
Ion Ratio Lower Upper  
198 100  
51 48.3 29.4 69.4  
105 46.2 25.4 65.4

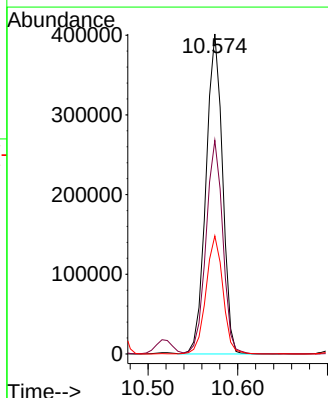
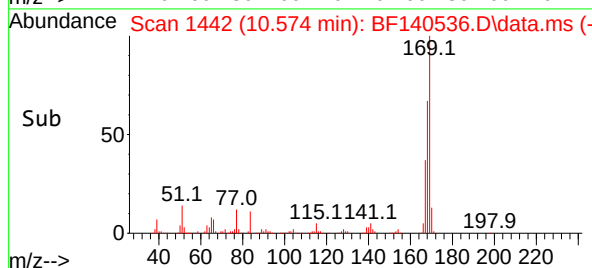
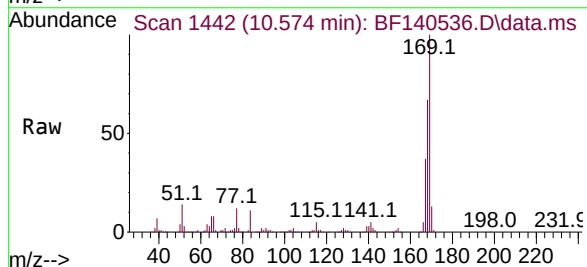
Manual Integrations  
APPROVED

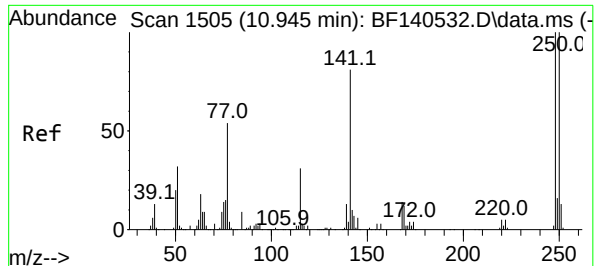
Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024



#66  
n-Nitrosodiphenylamine  
Concen: 38.723 ng  
RT: 10.574 min Scan# 1442  
Delta R.T. -0.000 min  
Lab File: BF140536.D  
Acq: 21 Nov 2024 15:07

Tgt Ion:169 Resp: 513960  
Ion Ratio Lower Upper  
169 100  
168 66.8 53.2 79.8  
167 36.9 29.0 43.6





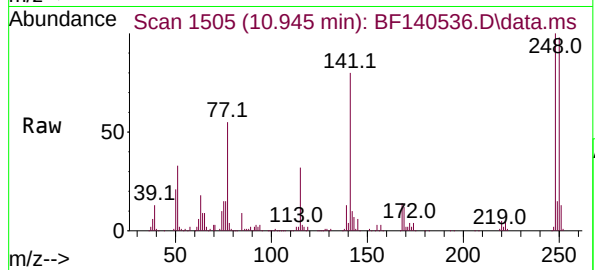
#67  
4-Bromophenyl-phenylether  
Concen: 38.977 ng  
RT: 10.945 min Scan# 1505  
Delta R.T. -0.000 min  
Lab File: BF140536.D  
Acq: 21 Nov 2024 15:07

Instrument :

BNA\_F

ClientSampleId :

ICVBF112124

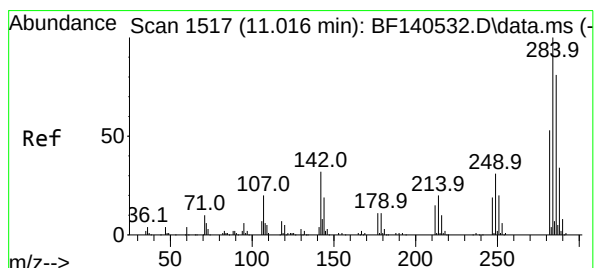
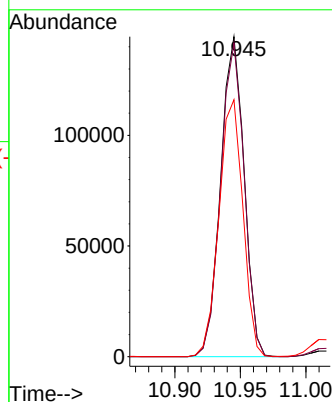
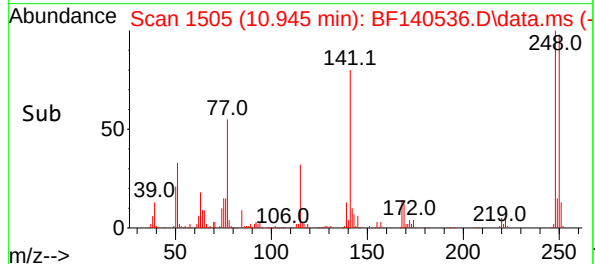


Tgt Ion:248 Resp: 180160  
Ion Ratio Lower Upper  
248 100  
250 98.0 79.8 119.8  
141 80.3 64.7 97.1

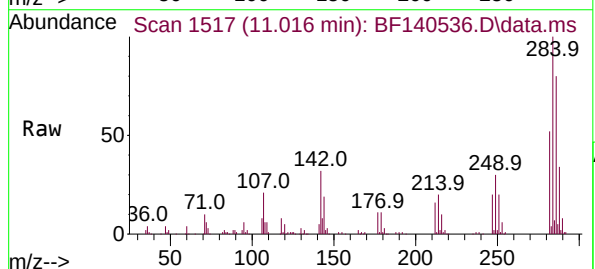
Manual Integrations

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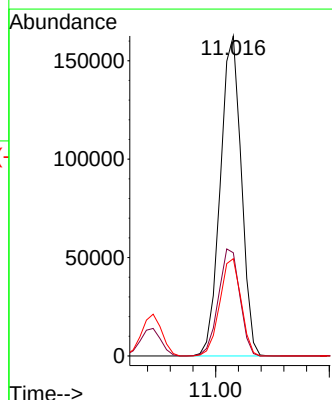
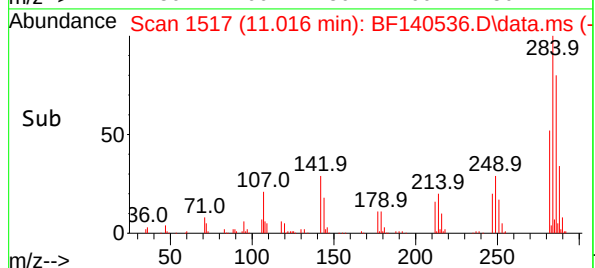
Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024

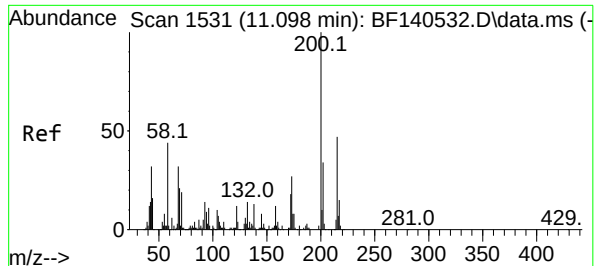


#68  
Hexachlorobenzene  
Concen: 38.974 ng  
RT: 11.016 min Scan# 1517  
Delta R.T. -0.000 min  
Lab File: BF140536.D  
Acq: 21 Nov 2024 15:07



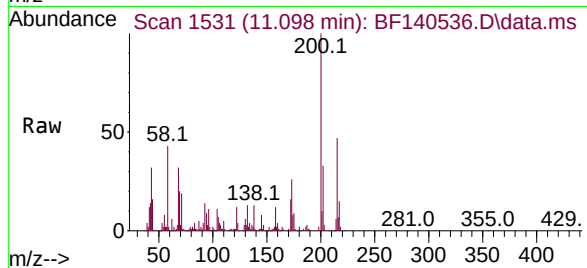
Tgt Ion:284 Resp: 208589  
Ion Ratio Lower Upper  
284 100  
142 32.2 25.3 37.9  
249 30.4 24.8 37.2





#69  
Atrazine  
Concen: 34.643 ng  
RT: 11.098 min Scan# 1531  
Delta R.T. -0.000 min  
Lab File: BF140536.D  
Acq: 21 Nov 2024 15:07

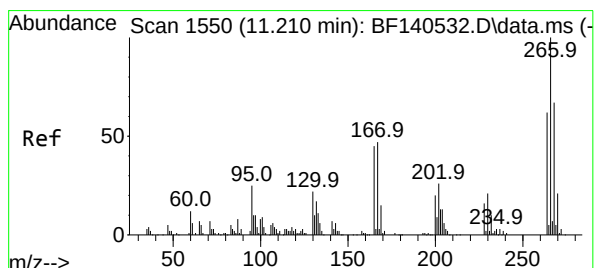
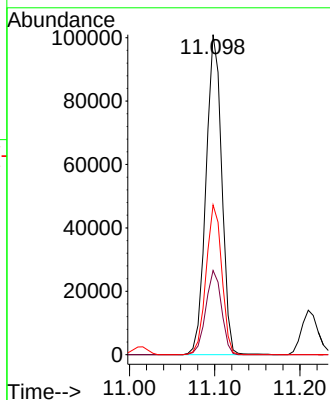
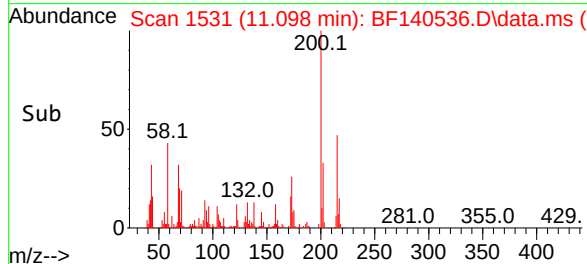
Instrument :  
BNA\_F  
ClientSampleId :  
ICVBF112124



Tgt Ion:200 Resp: 12935  
Ion Ratio Lower Upper  
200 100  
173 26.3 7.0 47.0  
215 46.8 26.7 66.7

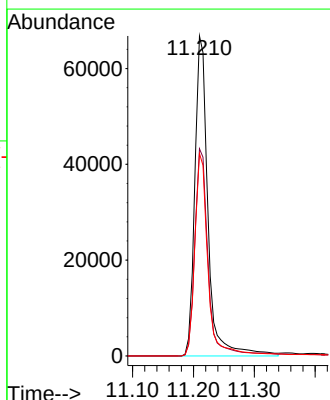
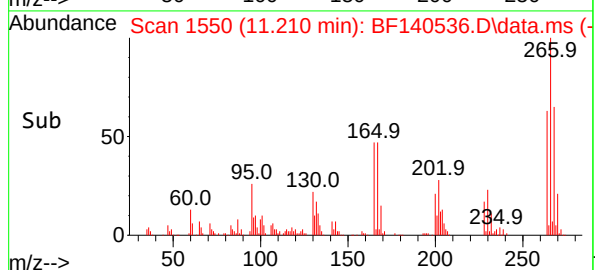
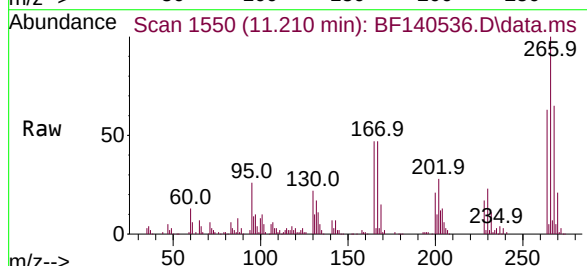
Manual Integrations  
APPROVED

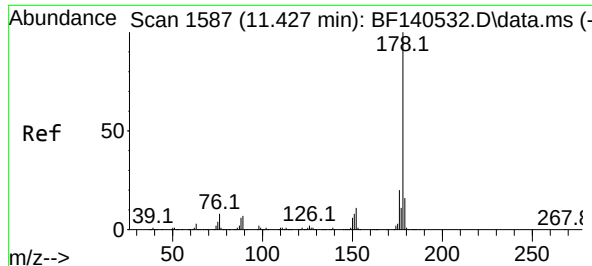
Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024



#70  
Pentachlorophenol  
Concen: 42.779 ng  
RT: 11.210 min Scan# 1550  
Delta R.T. -0.000 min  
Lab File: BF140536.D  
Acq: 21 Nov 2024 15:07

Tgt Ion:266 Resp: 100767  
Ion Ratio Lower Upper  
266 100  
268 64.8 53.7 80.5  
264 63.3 49.8 74.8





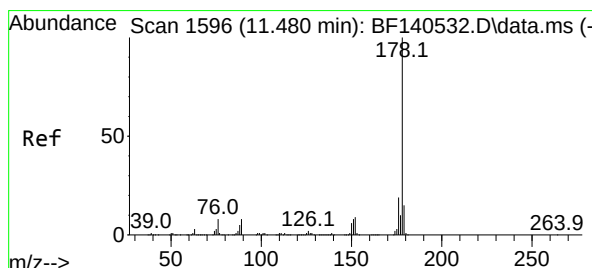
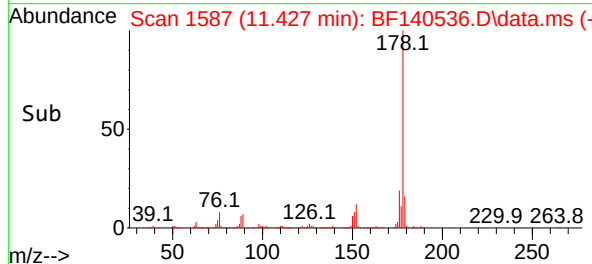
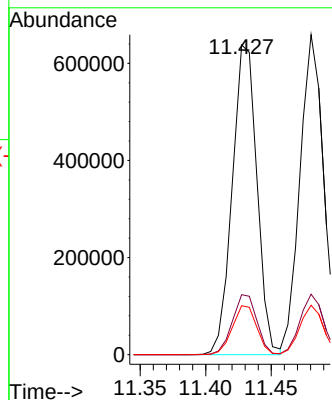
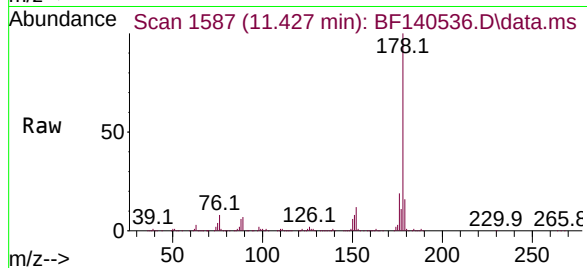
#71  
Phenanthrene  
Concen: 38.861 ng  
RT: 11.427 min Scan# 1587  
Delta R.T. -0.000 min  
Lab File: BF140536.D  
Acq: 21 Nov 2024 15:07

Instrument :  
BNA\_F  
ClientSampleId :  
ICVBF112124

Tgt Ion:178 Resp: 838392  
Ion Ratio Lower Upper  
178 100  
176 19.4 15.8 23.6  
179 15.8 12.4 18.6

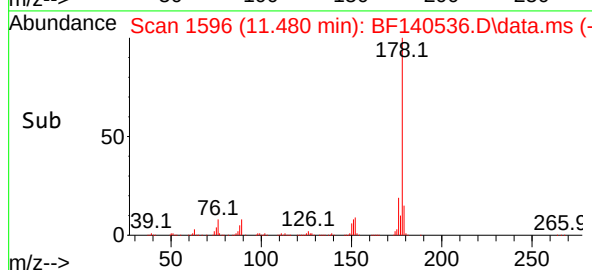
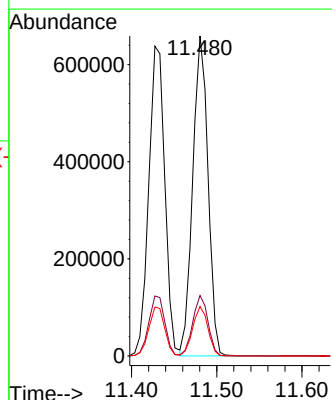
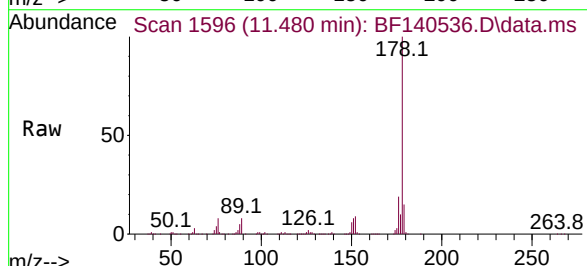
Manual Integrations  
APPROVED

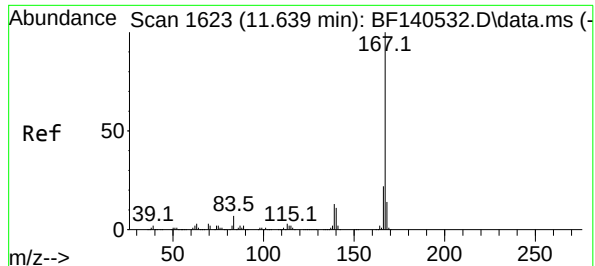
Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024



#72  
Anthracene  
Concen: 38.829 ng  
RT: 11.480 min Scan# 1596  
Delta R.T. -0.000 min  
Lab File: BF140536.D  
Acq: 21 Nov 2024 15:07

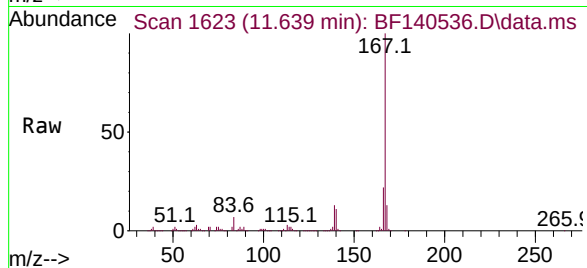
Tgt Ion:178 Resp: 819442  
Ion Ratio Lower Upper  
178 100  
176 18.9 15.0 22.4  
179 15.5 12.2 18.4





#73  
Carbazole  
Concen: 39.207 ng  
RT: 11.639 min Scan# 1623  
Delta R.T. -0.000 min  
Lab File: BF140536.D  
Acq: 21 Nov 2024 15:07

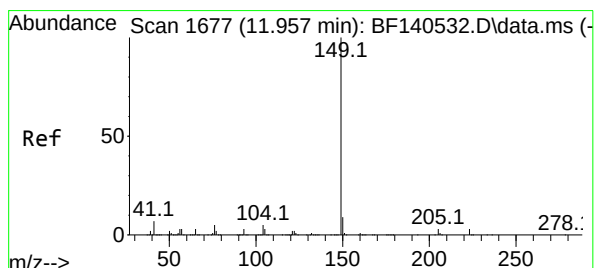
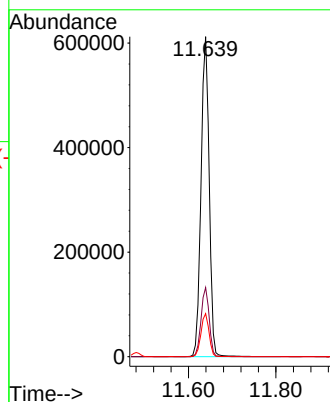
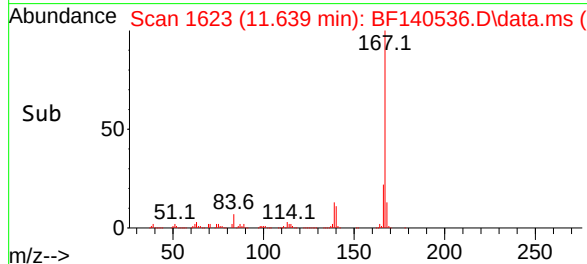
Instrument :  
BNA\_F  
ClientSampleId :  
ICVBF112124



Tgt Ion:167 Resp: 795979  
Ion Ratio Lower Upper  
167 100  
166 21.6 17.2 25.8  
139 13.4 10.6 15.8

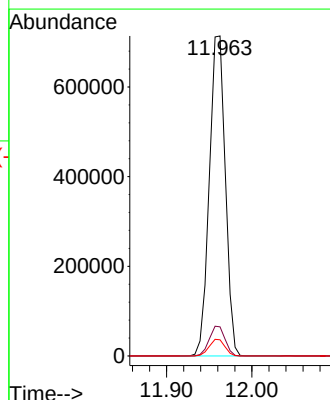
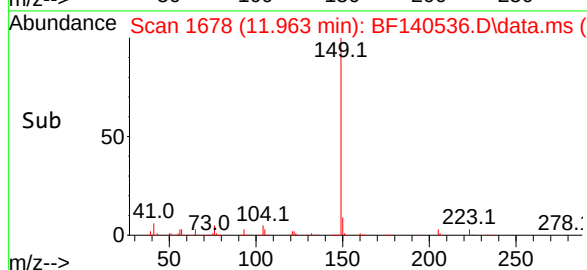
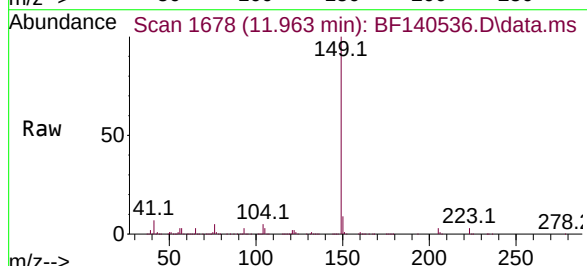
Manual Integrations  
APPROVED

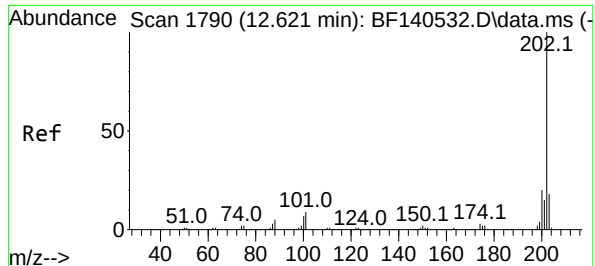
Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024



#74  
Di-n-butylphthalate  
Concen: 39.765 ng  
RT: 11.963 min Scan# 1678  
Delta R.T. 0.006 min  
Lab File: BF140536.D  
Acq: 21 Nov 2024 15:07

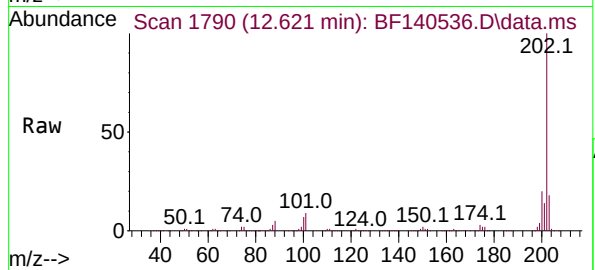
Tgt Ion:149 Resp: 932026  
Ion Ratio Lower Upper  
149 100  
150 9.1 7.5 11.3  
104 5.1 4.1 6.1





#75  
Fluoranthene  
Concen: 40.002 ng  
RT: 12.621 min Scan# 1790  
Delta R.T. -0.000 min  
Lab File: BF140536.D  
Acq: 21 Nov 2024 15:07

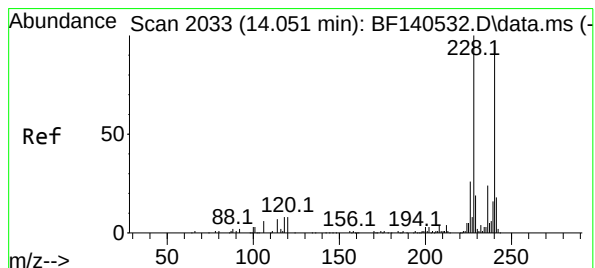
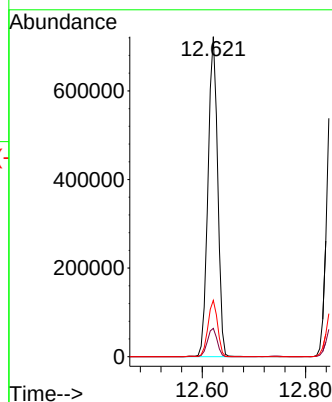
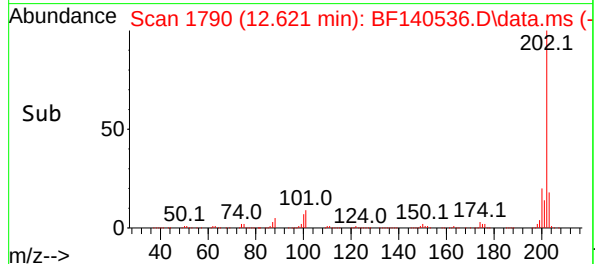
Instrument :  
BNA\_F  
ClientSampleId :  
ICVBF112124



Tgt Ion:202 Resp: 937019  
Ion Ratio Lower Upper  
202 100  
101 8.9 0.0 28.9  
203 17.6 0.0 37.6

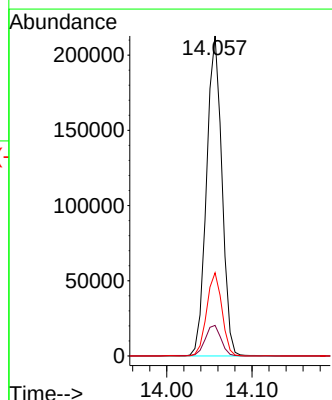
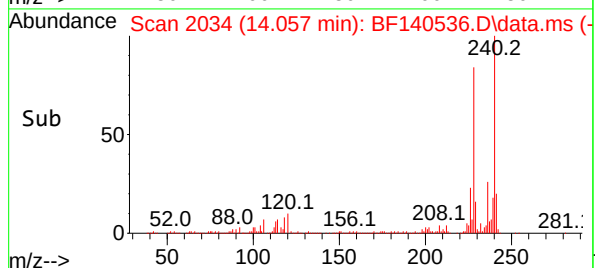
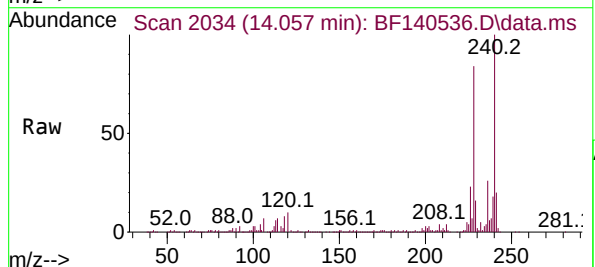
Manual Integrations  
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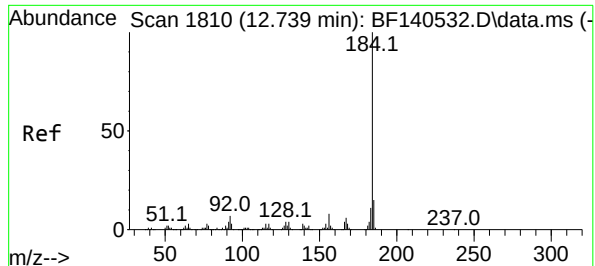
Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.057 min Scan# 2034  
Delta R.T. 0.006 min  
Lab File: BF140536.D  
Acq: 21 Nov 2024 15:07

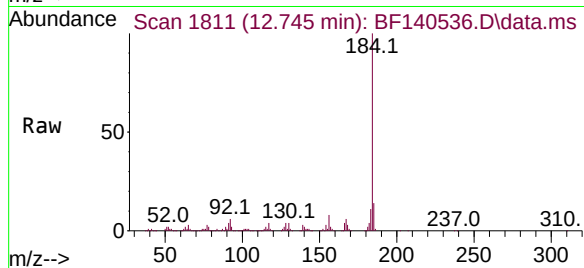
Tgt Ion:240 Resp: 266538  
Ion Ratio Lower Upper  
240 100  
120 9.6 7.3 10.9  
236 26.0 20.6 31.0





#77  
Benzidine  
Concen: 39.351 ng  
RT: 12.745 min Scan# 1811  
Delta R.T. 0.006 min  
Lab File: BF140536.D  
Acq: 21 Nov 2024 15:07

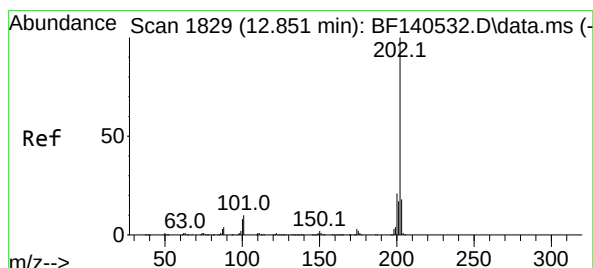
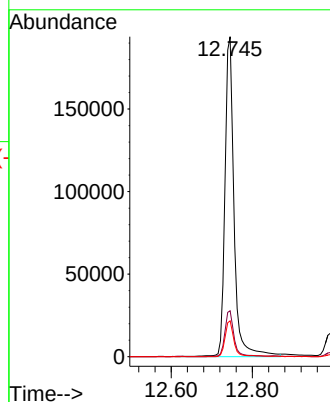
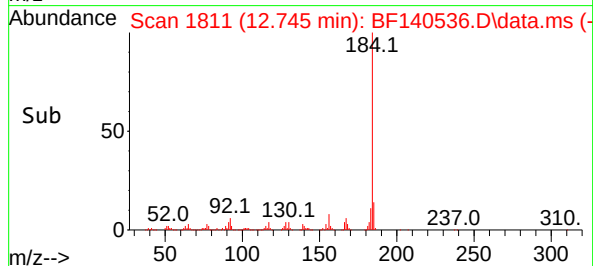
Instrument :  
BNA\_F  
ClientSampleId :  
ICVBF112124



Tgt Ion:184 Resp: 304940  
Ion Ratio Lower Upper  
184 100  
185 14.4 11.7 17.5  
183 11.2 8.8 13.2

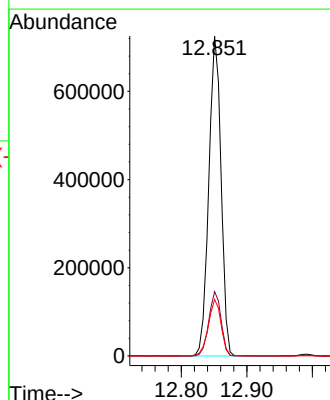
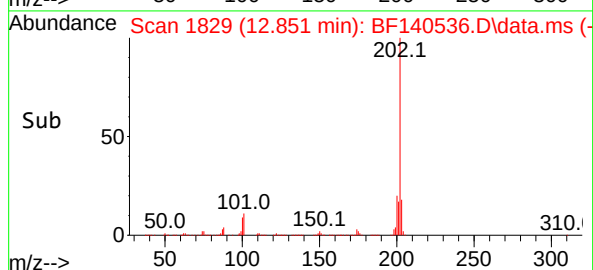
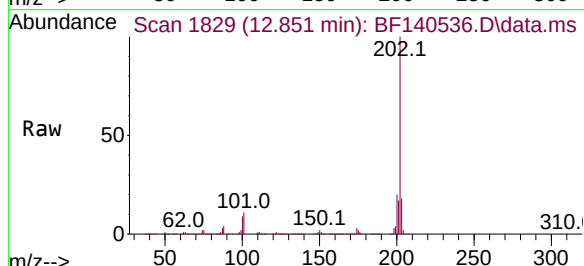
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024

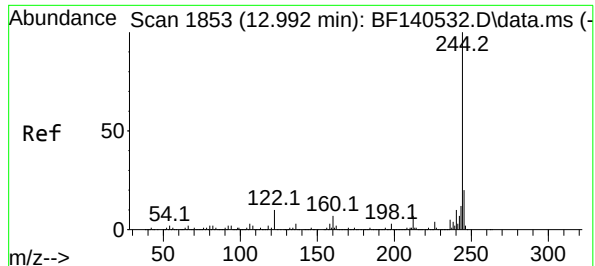


#78  
Pyrene  
Concen: 38.219 ng  
RT: 12.851 min Scan# 1829  
Delta R.T. -0.000 min  
Lab File: BF140536.D  
Acq: 21 Nov 2024 15:07

Tgt Ion:202 Resp: 941890  
Ion Ratio Lower Upper  
202 100  
200 20.1 16.5 24.7  
203 17.7 14.2 21.4

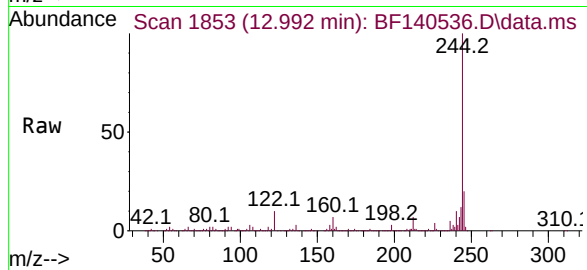






#79  
Terphenyl-d14  
Concen: 75.460 ng  
RT: 12.992 min Scan# 1853  
Delta R.T. -0.000 min  
Lab File: BF140536.D  
Acq: 21 Nov 2024 15:07

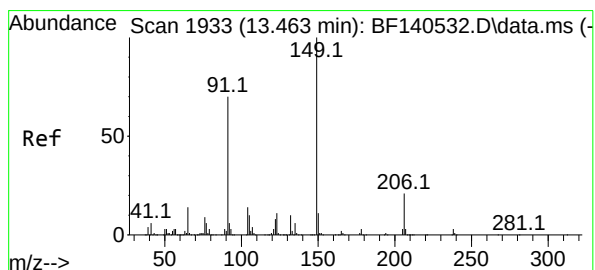
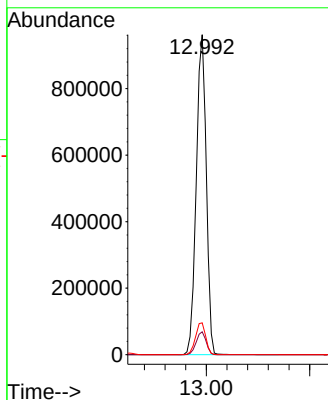
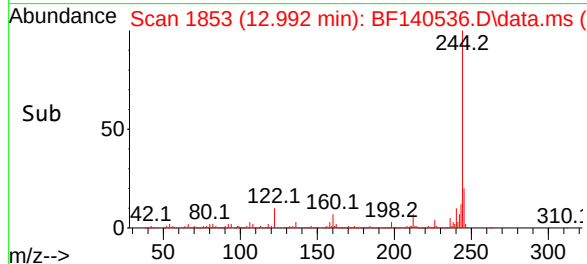
Instrument :  
BNA\_F  
ClientSampleId :  
ICVBF112124



Tgt Ion:244 Resp: 1291669  
Ion Ratio Lower Upper  
244 100  
212 7.1 5.8 8.8  
122 9.9 8.0 12.0

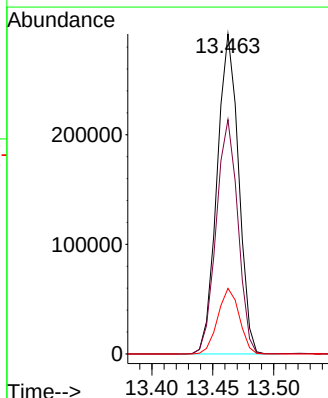
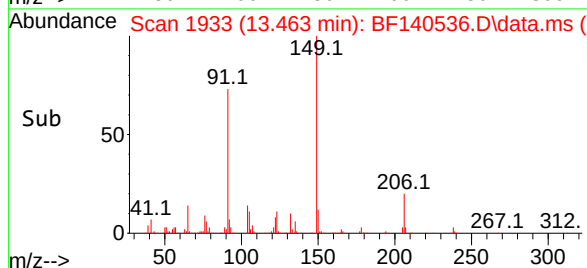
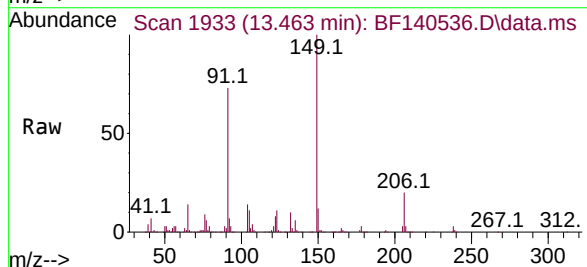
Manual Integrations  
APPROVED

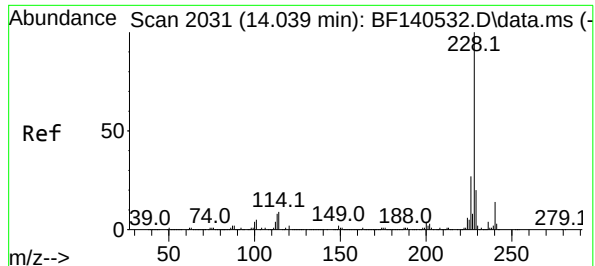
Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024



#80  
Butylbenzylphthalate  
Concen: 40.542 ng  
RT: 13.463 min Scan# 1933  
Delta R.T. -0.000 min  
Lab File: BF140536.D  
Acq: 21 Nov 2024 15:07

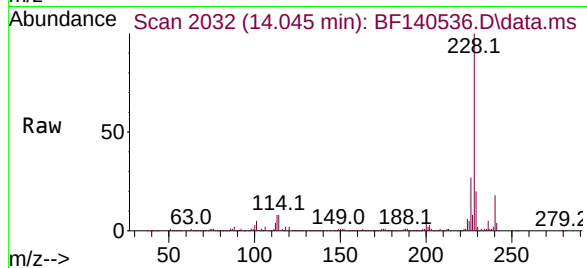
Tgt Ion:149 Resp: 359930  
Ion Ratio Lower Upper  
149 100  
91 73.3 56.2 84.2  
206 20.5 16.4 24.6





#81  
Benzo(a)anthracene  
Concen: 39.723 ng  
RT: 14.045 min Scan# 2031  
Delta R.T. 0.006 min  
Lab File: BF140536.D  
Acq: 21 Nov 2024 15:07

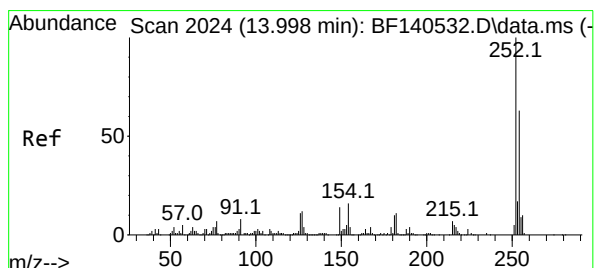
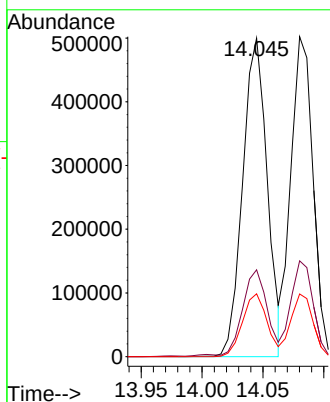
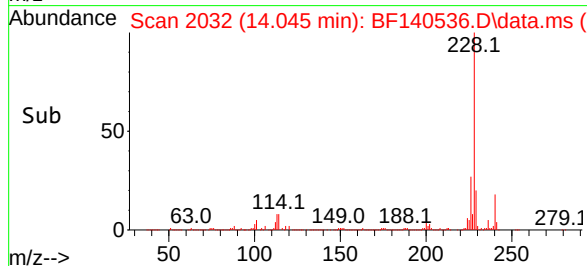
Instrument :  
BNA\_F  
ClientSampleId :  
ICVBF112124



Tgt Ion:228 Resp: 700865  
Ion Ratio Lower Upper  
228 100  
226 27.3 21.8 32.8  
229 19.7 15.8 23.6

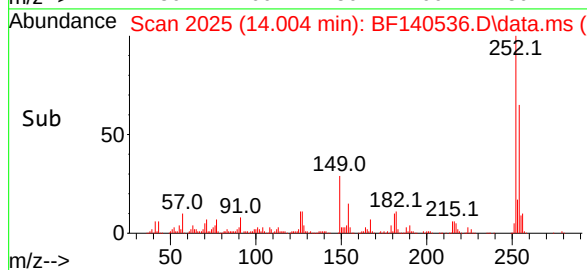
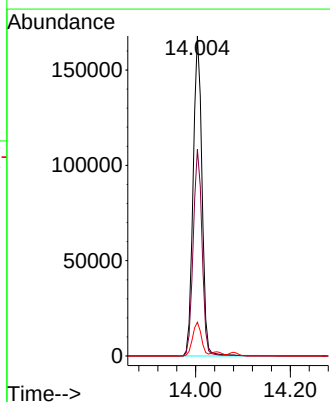
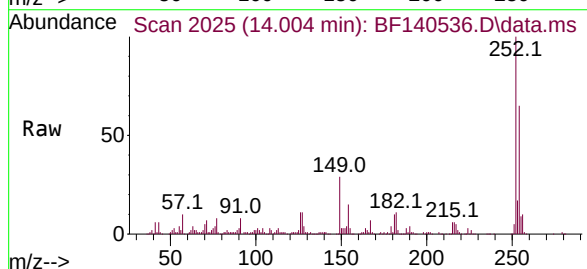
Manual Integrations  
APPROVED

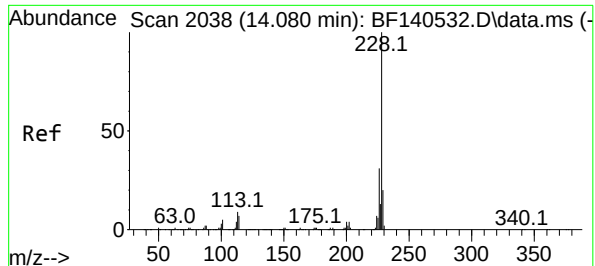
Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024



#82  
3,3'-Dichlorobenzidine  
Concen: 41.011 ng  
RT: 14.004 min Scan# 2025  
Delta R.T. 0.006 min  
Lab File: BF140536.D  
Acq: 21 Nov 2024 15:07

Tgt Ion:252 Resp: 217249  
Ion Ratio Lower Upper  
252 100  
254 64.6 50.8 76.2  
126 10.6 8.6 13.0





#83

Chrysene

Concen: 39.406 ng

RT: 14.080 min Scan# 2038

Delta R.T. -0.000 min

Lab File: BF140536.D

Acq: 21 Nov 2024 15:07

Instrument :

BNA\_F

ClientSampleId :

ICVBF112124

Tgt Ion:228 Resp: 635750

Ion Ratio Lower Upper

228 100

226 30.0 24.4 36.6

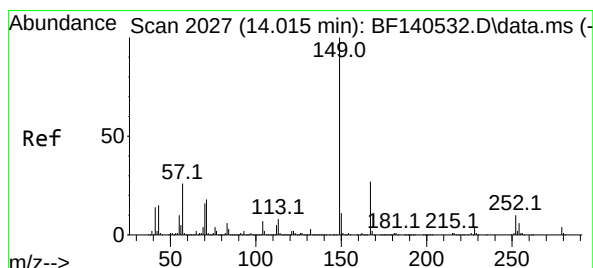
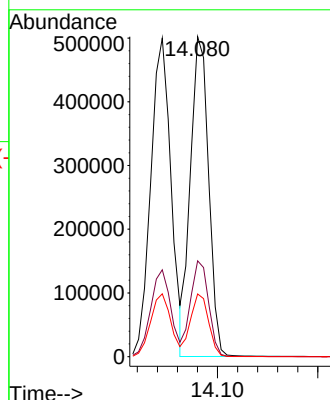
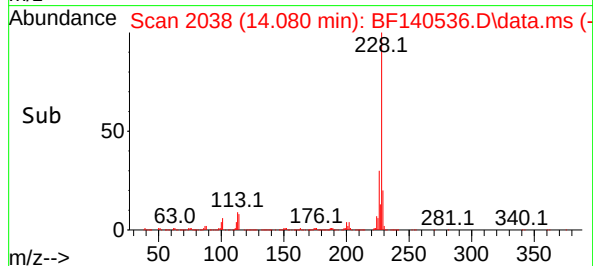
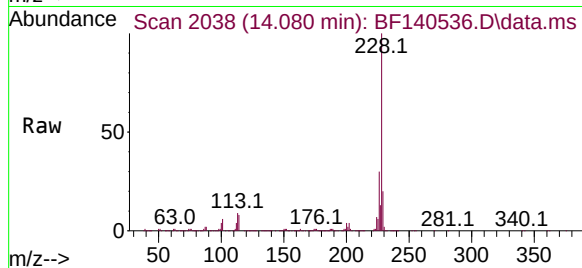
229 19.6 15.8 23.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/27/2024



#84

Bis(2-ethylhexyl)phthalate

Concen: 41.823 ng

RT: 14.021 min Scan# 2028

Delta R.T. 0.006 min

Lab File: BF140536.D

Acq: 21 Nov 2024 15:07

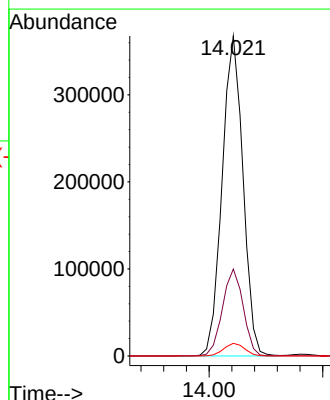
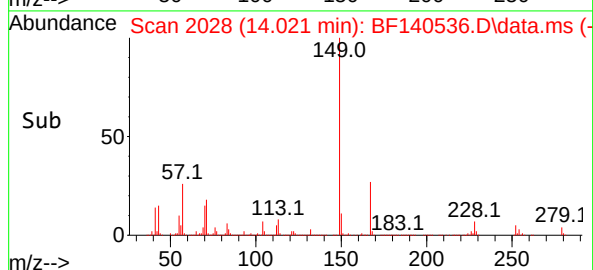
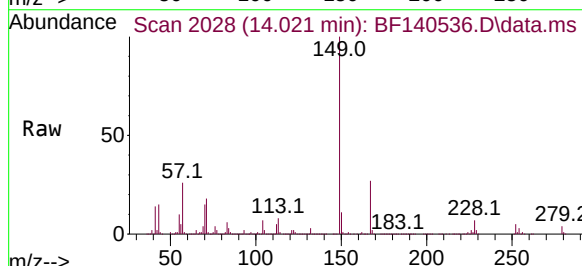
Tgt Ion:149 Resp: 468853

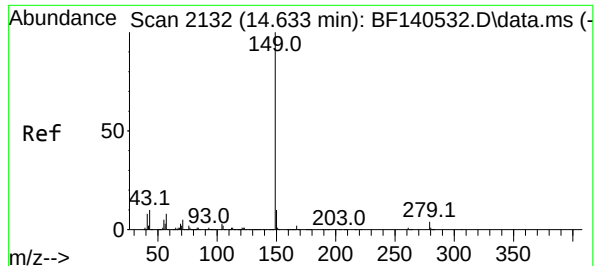
Ion Ratio Lower Upper

149 100

167 27.2 21.2 31.8

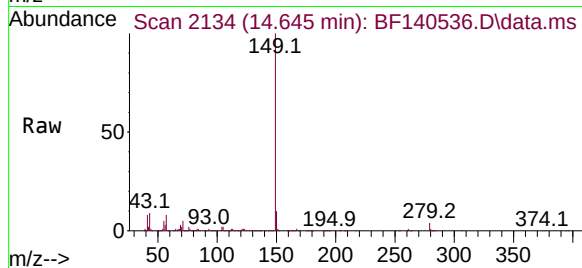
279 4.0 3.2 4.8





#85  
Di-n-octyl phthalate  
Concen: 43.965 ng  
RT: 14.645 min Scan# 2132  
Delta R.T. 0.012 min  
Lab File: BF140536.D  
Acq: 21 Nov 2024 15:07

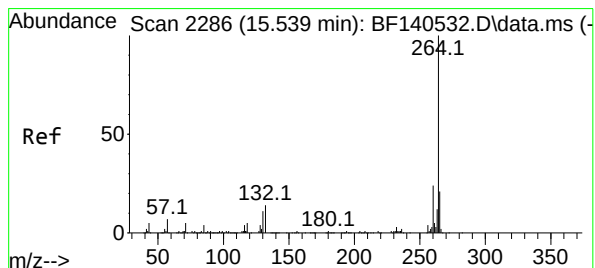
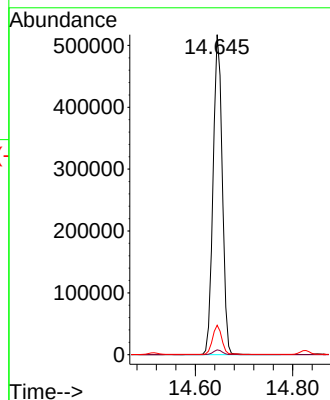
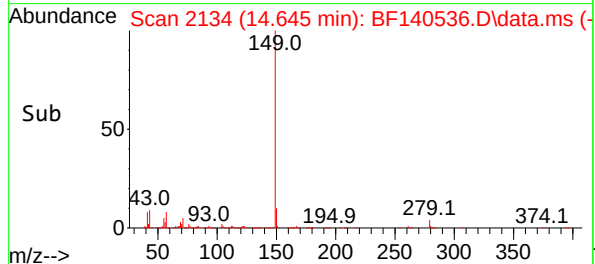
Instrument :  
BNA\_F  
ClientSampleId :  
ICVBF112124



Tgt Ion:149 Resp: 67356  
Ion Ratio Lower Upper  
149 100  
167 1.5 1.3 1.9  
43 9.2 7.7 11.5

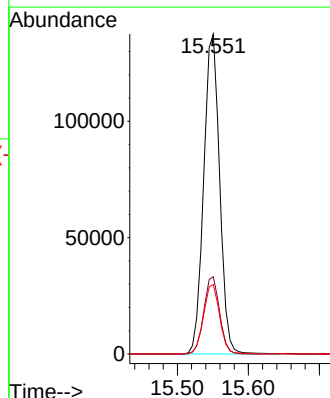
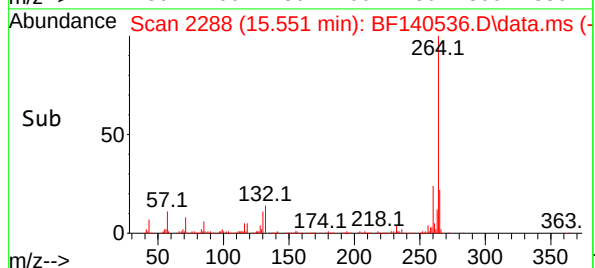
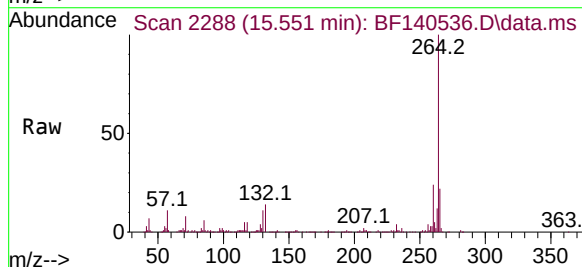
Manual Integrations  
APPROVED

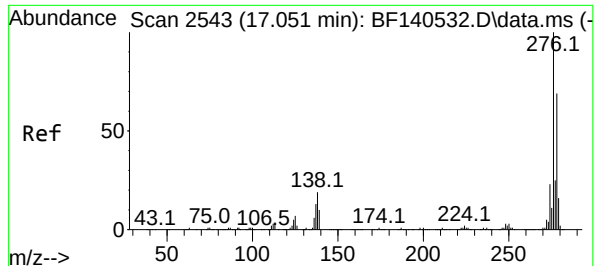
Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.551 min Scan# 2288  
Delta R.T. 0.012 min  
Lab File: BF140536.D  
Acq: 21 Nov 2024 15:07

Tgt Ion:264 Resp: 215076  
Ion Ratio Lower Upper  
264 100  
260 24.2 19.0 28.6  
265 21.7 16.6 25.0





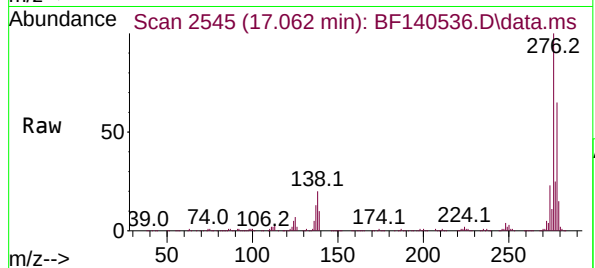
#87  
Indeno(1,2,3-cd)pyrene  
Concen: 38.995 ng  
RT: 17.062 min Scan# 2113  
Delta R.T. 0.012 min  
Lab File: BF140536.D  
Acq: 21 Nov 2024 15:07

Instrument :

BNA\_F

ClientSampleId :

ICVBF112124

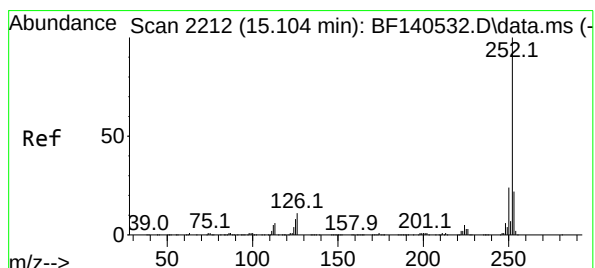
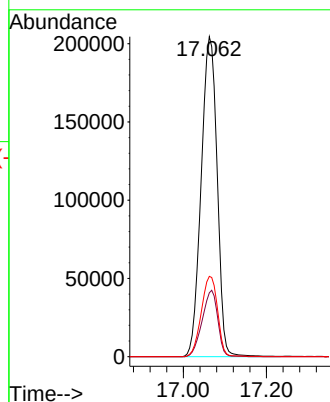
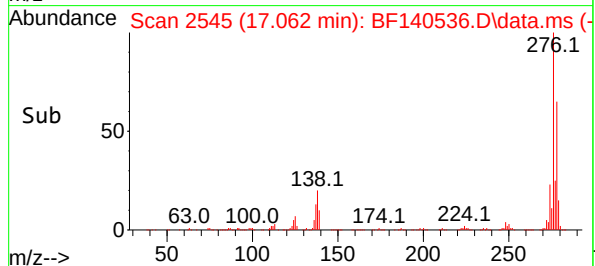


Tgt Ion:276 Resp: 54656  
Ion Ratio Lower Upper  
276 100  
138 20.2 15.5 23.3  
277 25.6 20.1 30.1

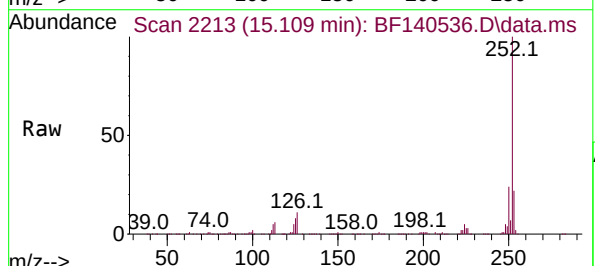
Manual Integrations

APPROVED

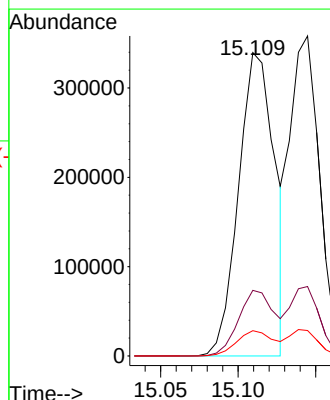
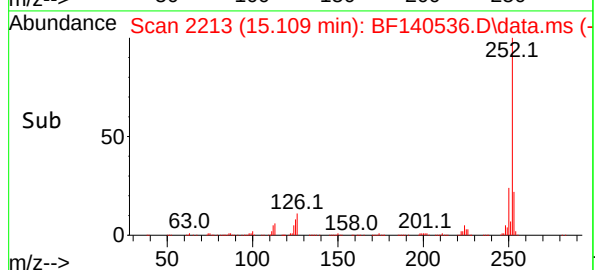
Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024

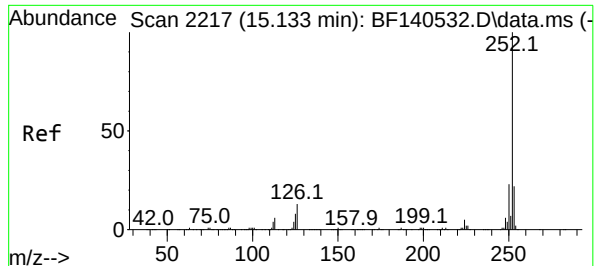


#88  
Benzo(b)fluoranthene  
Concen: 40.850 ng  
RT: 15.109 min Scan# 2213  
Delta R.T. 0.006 min  
Lab File: BF140536.D  
Acq: 21 Nov 2024 15:07



Tgt Ion:252 Resp: 551853  
Ion Ratio Lower Upper  
252 100  
253 21.6 17.2 25.8  
125 8.4 6.7 10.1





#89

Benzo(k)fluoranthene

Concen: 40.110 ng

RT: 15.145 min Scan# 2219

Delta R.T. 0.012 min

Lab File: BF140536.D

Acq: 21 Nov 2024 15:07

Instrument :

BNA\_F

ClientSampleId :

ICVBF112124

Tgt Ion:252 Resp: 474170

Ion Ratio Lower Upper

252 100

253 21.7 17.5 26.3

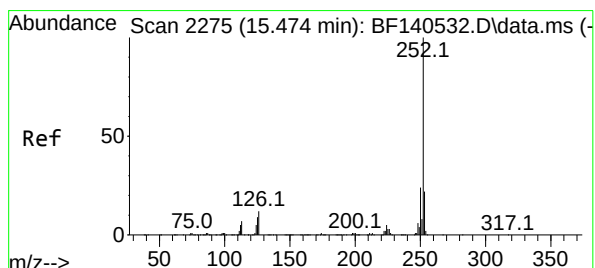
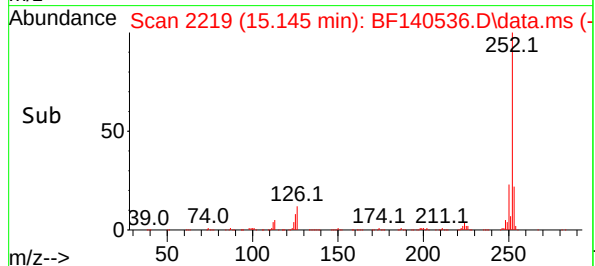
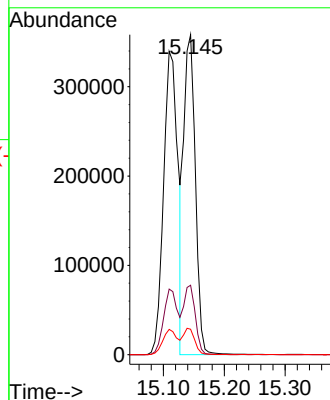
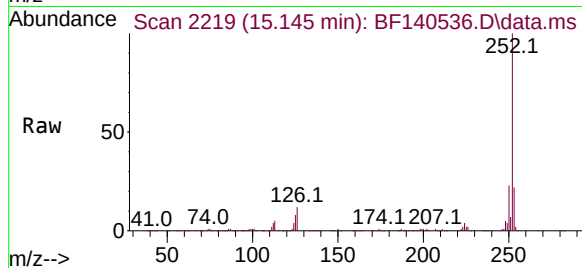
125 7.9 6.5 9.7

Manual Integrations

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Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/27/2024



#90

Benzo(a)pyrene

Concen: 40.041 ng

RT: 15.486 min Scan# 2277

Delta R.T. 0.012 min

Lab File: BF140536.D

Acq: 21 Nov 2024 15:07

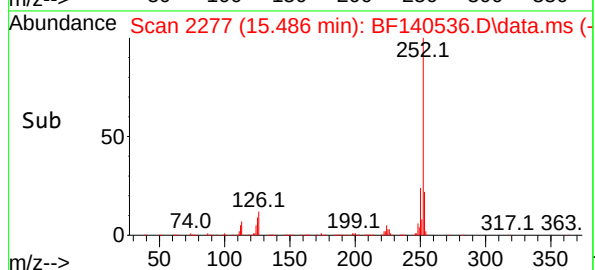
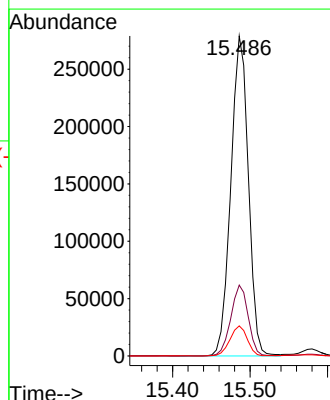
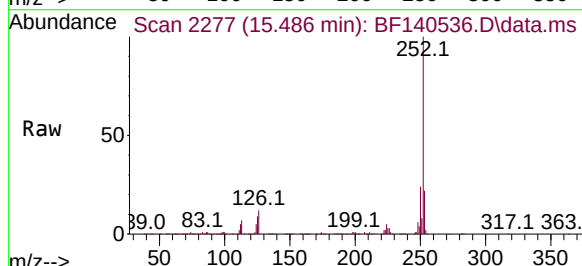
Tgt Ion:252 Resp: 439811

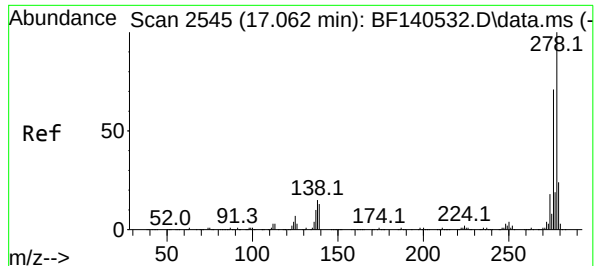
Ion Ratio Lower Upper

252 100

253 22.1 17.3 25.9

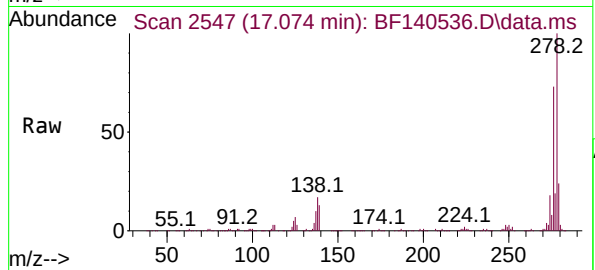
125 9.4 7.0 10.6





#91  
Dibenzo(a,h)anthracene  
Concen: 40.052 ng  
RT: 17.074 min Scan# 2545  
Delta R.T. 0.012 min  
Lab File: BF140536.D  
Acq: 21 Nov 2024 15:07

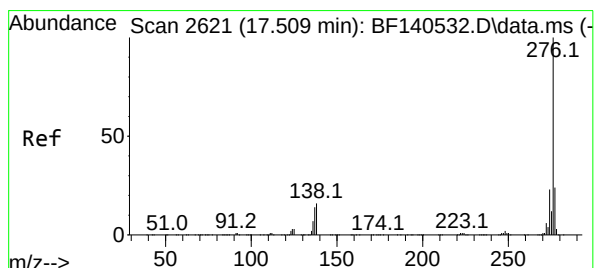
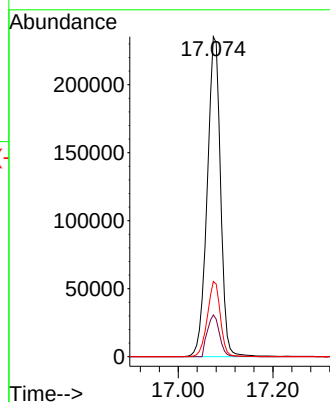
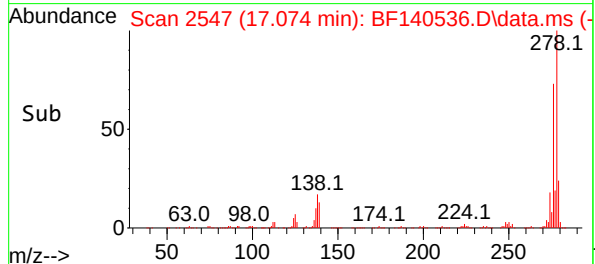
Instrument :  
BNA\_F  
ClientSampleId :  
ICVBF112124



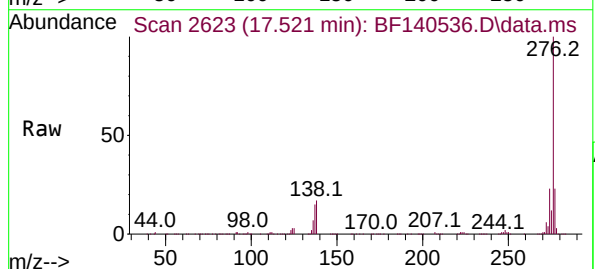
Tgt Ion:278 Resp: 459740  
Ion Ratio Lower Upper  
278 100  
139 13.0 10.2 15.4  
279 23.5 18.9 28.3

Manual Integrations  
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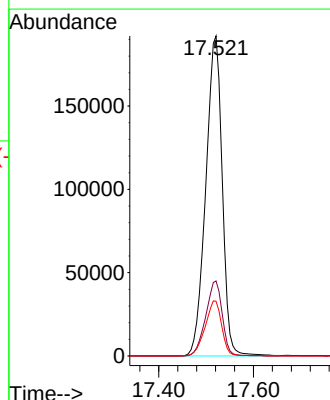
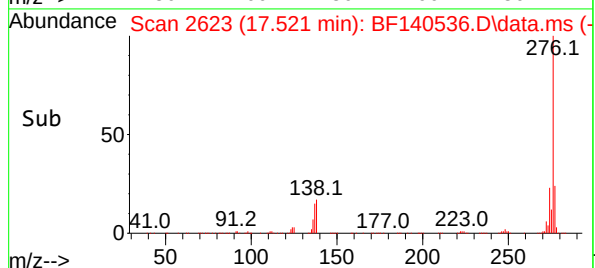
Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024



#92  
Benzo(g,h,i)perylene  
Concen: 39.591 ng  
RT: 17.521 min Scan# 2623  
Delta R.T. 0.012 min  
Lab File: BF140536.D  
Acq: 21 Nov 2024 15:07



Tgt Ion:276 Resp: 463747  
Ion Ratio Lower Upper  
276 100  
277 23.5 18.9 28.3  
138 17.1 13.2 19.8



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF112124\  
 Data File : BF140536.D  
 Acq On : 21 Nov 2024 15:07  
 Operator : RC/JU  
 Sample : SSTDICV040  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 ICVBF112124

Quant Time: Nov 21 16:11:44 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF112124.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Nov 21 15:23:48 2024  
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 25% Max. Rel. Area : 150%

|      | Compound                    | AvgRF | CCRF  | %Dev  | Area% | Dev(min) |
|------|-----------------------------|-------|-------|-------|-------|----------|
| 1 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0   | 99    | 0.00     |
| 2    | 1,4-Dioxane                 | 0.493 | 0.481 | 2.4   | 98    | -0.01    |
| 3    | Pyridine                    | 1.084 | 1.212 | -11.8 | 101   | -0.01    |
| 4    | n-Nitrosodimethylamine      | 0.637 | 0.656 | -3.0  | 101   | -0.01    |
| 5 S  | 2-Fluorophenol              | 1.172 | 1.158 | 1.2   | 98    | 0.00     |
| 6    | Aniline                     | 1.091 | 1.283 | -17.6 | 102   | 0.00     |
| 7 S  | Phenol-d6                   | 1.550 | 1.578 | -1.8  | 98    | 0.00     |
| 8    | 2-Chlorophenol              | 1.261 | 1.267 | -0.5  | 98    | 0.00     |
| 9    | Benzaldehyde                | 0.820 | 0.758 | 7.6   | 102   | 0.00     |
| 10 C | Phenol                      | 1.583 | 1.623 | -2.5  | 97    | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.211 | 1.205 | 0.5   | 96    | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.417 | 1.408 | 0.6   | 100   | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.435 | 1.423 | 0.8   | 99    | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.344 | 1.324 | 1.5   | 97    | 0.00     |
| 15   | Benzyl Alcohol              | 1.149 | 1.206 | -5.0  | 98    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 1.431 | 1.473 | -2.9  | 100   | 0.00     |
| 17   | 2-Methylphenol              | 1.009 | 1.050 | -4.1  | 100   | 0.00     |
| 18   | Hexachloroethane            | 0.536 | 0.537 | -0.2  | 99    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 0.916 | 0.963 | -5.1  | 101   | 0.00     |
| 20   | 3+4-Methylphenols           | 1.298 | 1.347 | -3.8  | 99    | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0   | 101   | 0.00     |
| 22   | Acetophenone                | 0.488 | 0.475 | 2.7   | 100   | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.391 | 0.386 | 1.3   | 99    | 0.00     |
| 24   | Nitrobenzene                | 0.404 | 0.395 | 2.2   | 99    | 0.00     |
| 25   | Isophorone                  | 0.652 | 0.658 | -0.9  | 100   | 0.00     |
| 26 C | 2-Nitrophenol               | 0.179 | 0.181 | -1.1  | 101   | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.214 | 0.212 | 0.9   | 95    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.397 | 0.397 | 0.0   | 101   | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.284 | 0.284 | 0.0   | 102   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.324 | 0.315 | 2.8   | 101   | 0.00     |
| 31   | Naphthalene                 | 1.030 | 1.008 | 2.1   | 101   | 0.00     |
| 32   | Benzoic acid                | 0.164 | 0.188 | -14.6 | 107   | 0.00     |
| 33   | 4-Chloroaniline             | 0.308 | 0.336 | -9.1  | 104   | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.215 | 0.212 | 1.4   | 101   | 0.00     |
| 35   | Caprolactam                 | 0.088 | 0.089 | -1.1  | 99    | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 0.318 | 0.320 | -0.6  | 99    | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.654 | 0.654 | 0.0   | 102   | 0.00     |
| 38   | 1-Methylnaphthalene         | 0.641 | 0.636 | 0.8   | 101   | 0.00     |
| 39 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0   | 102   | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 0.586 | 0.568 | 3.1   | 103   | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 0.107 | 0.110 | -2.8  | 99    | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 0.214 | 0.213 | 0.5   | 101   | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 0.367 | 0.362 | 1.4   | 101   | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 0.399 | 0.402 | -0.8  | 102   | 0.00     |
| 45 S | 2-Fluorobiphenyl            | 1.342 | 1.282 | 4.5   | 101   | 0.00     |
| 46   | 1,1'-Biphenyl               | 1.493 | 1.447 | 3.1   | 102   | 0.00     |
| 47   | 2-Chloronaphthalene         | 1.131 | 1.109 | 1.9   | 102   | 0.00     |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF112124\  
 Data File : BF140536.D  
 Acq On : 21 Nov 2024 15:07  
 Operator : RC/JU  
 Sample : SSTDICV040  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 ICVBF112124

Quant Time: Nov 21 16:11:44 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF112124.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Nov 21 15:23:48 2024  
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 25% Max. Rel. Area : 150%

|      | Compound                   | AvgRF | CCRF  | %Dev | Area% | Dev(min) |
|------|----------------------------|-------|-------|------|-------|----------|
| 48   | 2-Nitroaniline             | 0.363 | 0.364 | -0.3 | 101   | 0.00     |
| 49   | Acenaphthylene             | 1.710 | 1.660 | 2.9  | 102   | 0.00     |
| 50   | Dimethylphthalate          | 1.317 | 1.304 | 1.0  | 103   | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 0.299 | 0.294 | 1.7  | 100   | 0.00     |
| 52 C | Acenaphthene               | 1.086 | 1.048 | 3.5  | 101   | 0.00     |
| 53   | 3-Nitroaniline             | 0.292 | 0.299 | -2.4 | 102   | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 0.122 | 0.122 | 0.0  | 89    | 0.00     |
| 55   | Dibenzofuran               | 1.657 | 1.601 | 3.4  | 101   | 0.00     |
| 56 P | 4-Nitrophenol              | 0.199 | 0.211 | -6.0 | 104   | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 0.397 | 0.407 | -2.5 | 103   | 0.00     |
| 58   | Fluorene                   | 1.330 | 1.300 | 2.3  | 103   | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 0.306 | 0.320 | -4.6 | 105   | 0.00     |
| 60   | Diethylphthalate           | 1.338 | 1.307 | 2.3  | 102   | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 0.653 | 0.645 | 1.2  | 103   | 0.00     |
| 62   | 4-Nitroaniline             | 0.306 | 0.309 | -1.0 | 101   | 0.00     |
| 63   | Azobenzene                 | 1.267 | 1.248 | 1.5  | 103   | 0.00     |
| 64 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0  | 103   | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 0.102 | 0.105 | -2.9 | 98    | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 0.591 | 0.573 | 3.0  | 102   | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 0.206 | 0.201 | 2.4  | 103   | 0.00     |
| 68   | Hexachlorobenzene          | 0.238 | 0.232 | 2.5  | 102   | 0.00     |
| 69   | Atrazine                   | 0.166 | 0.144 | 13.3 | 106   | 0.00     |
| 70 C | Pentachlorophenol          | 0.105 | 0.112 | -6.7 | 99    | 0.00     |
| 71   | Phenanthrene               | 0.961 | 0.934 | 2.8  | 101   | 0.00     |
| 72   | Anthracene                 | 0.940 | 0.913 | 2.9  | 101   | 0.00     |
| 73   | Carbazole                  | 0.905 | 0.887 | 2.0  | 102   | 0.00     |
| 74   | Di-n-butylphthalate        | 1.044 | 1.038 | 0.6  | 104   | 0.00     |
| 75 C | Fluoranthene               | 1.044 | 1.044 | 0.0  | 106   | 0.00     |
| 76 I | Chrysene-d12               | 1.000 | 1.000 | 0.0  | 111   | 0.00     |
| 77   | Benzydine                  | 0.581 | 0.572 | 1.5  | 111   | 0.00     |
| 78   | Pyrene                     | 1.849 | 1.767 | 4.4  | 106   | 0.00     |
| 79 S | Terphenyl-d14              | 1.284 | 1.212 | 5.6  | 105   | 0.00     |
| 80   | Butylbenzylphthalate       | 0.666 | 0.675 | -1.4 | 111   | 0.00     |
| 81   | Benzo(a)anthracene         | 1.324 | 1.315 | 0.7  | 114   | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 0.397 | 0.408 | -2.8 | 110   | 0.00     |
| 83   | Chrysene                   | 1.211 | 1.193 | 1.5  | 111   | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 0.841 | 0.880 | -4.6 | 118   | 0.00     |
| 85 c | Di-n-octyl phthalate       | 1.150 | 1.264 | -9.9 | 124   | 0.01     |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0  | 102   | 0.01     |
| 87   | Indeno(1,2,3-cd)pyrene     | 1.303 | 1.271 | 2.5  | 99    | 0.01     |
| 88   | Benzo(b)fluoranthene       | 1.256 | 1.283 | -2.1 | 110   | 0.00     |
| 89   | Benzo(k)fluoranthene       | 1.099 | 1.102 | -0.3 | 102   | 0.01     |
| 90 C | Benzo(a)pyrene             | 1.021 | 1.022 | -0.1 | 103   | 0.01     |
| 91   | Dibenzo(a,h)anthracene     | 1.067 | 1.069 | -0.2 | 102   | 0.01     |
| 92   | Benzo(g,h,i)perylene       | 1.089 | 1.078 | 1.0  | 101   | 0.01     |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF112124\  
Data File : BF140536.D  
Acq On : 21 Nov 2024 15:07  
Operator : RC/JU  
Sample : SSTDICV040  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
ICVBF112124

Quant Time: Nov 21 16:11:44 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF112124.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Nov 21 15:23:48 2024  
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
Max. RRF Dev : 25% Max. Rel. Area : 150%

| Compound | AvgRF | CCRF | %Dev Area | % Dev(min) |
|----------|-------|------|-----------|------------|
|----------|-------|------|-----------|------------|

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF112124\  
 Data File : BF140536.D  
 Acq On : 21 Nov 2024 15:07  
 Operator : RC/JU  
 Sample : SSTDICV040  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 ICVBF112124

Quant Time: Nov 21 16:11:44 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF112124.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Nov 21 15:23:48 2024  
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 25% Max. Rel. Area : 150%

|      | Compound                    | Amount | Calc.  | %Dev  | Area% | Dev(min) |
|------|-----------------------------|--------|--------|-------|-------|----------|
| 1 I  | 1,4-Dichlorobenzene-d4      | 20.000 | 20.000 | 0.0   | 99    | 0.00     |
| 2    | 1,4-Dioxane                 | 40.000 | 39.036 | 2.4   | 98    | -0.01    |
| 3    | Pyridine                    | 40.000 | 44.701 | -11.8 | 101   | -0.01    |
| 4    | n-Nitrosodimethylamine      | 40.000 | 41.184 | -3.0  | 101   | -0.01    |
| 5 S  | 2-Fluorophenol              | 80.000 | 79.009 | 1.2   | 98    | 0.00     |
| 6    | Aniline                     | 40.000 | 47.067 | -17.7 | 102   | 0.00     |
| 7 S  | Phenol-d6                   | 80.000 | 81.459 | -1.8  | 98    | 0.00     |
| 8    | 2-Chlorophenol              | 40.000 | 40.191 | -0.5  | 98    | 0.00     |
| 9    | Benzaldehyde                | 40.000 | 36.939 | 7.7   | 102   | 0.00     |
| 10 C | Phenol                      | 40.000 | 41.030 | -2.6  | 97    | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 40.000 | 39.796 | 0.5   | 96    | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 40.000 | 39.732 | 0.7   | 100   | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 40.000 | 39.668 | 0.8   | 99    | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 40.000 | 39.406 | 1.5   | 97    | 0.00     |
| 15   | Benzyl Alcohol              | 40.000 | 41.993 | -5.0  | 98    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 40.000 | 41.183 | -3.0  | 100   | 0.00     |
| 17   | 2-Methylphenol              | 40.000 | 41.606 | -4.0  | 100   | 0.00     |
| 18   | Hexachloroethane            | 40.000 | 40.108 | -0.3  | 99    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 40.000 | 42.038 | -5.1  | 101   | 0.00     |
| 20   | 3+4-Methylphenols           | 40.000 | 41.536 | -3.8  | 99    | 0.00     |
| 21 I | Naphthalene-d8              | 20.000 | 20.000 | 0.0   | 101   | 0.00     |
| 22   | Acetophenone                | 40.000 | 38.963 | 2.6   | 100   | 0.00     |
| 23 S | Nitrobenzene-d5             | 80.000 | 78.907 | 1.4   | 99    | 0.00     |
| 24   | Nitrobenzene                | 40.000 | 39.127 | 2.2   | 99    | 0.00     |
| 25   | Isophorone                  | 40.000 | 40.332 | -0.8  | 100   | 0.00     |
| 26 C | 2-Nitrophenol               | 40.000 | 40.372 | -0.9  | 101   | 0.00     |
| 27   | 2,4-Dimethylphenol          | 40.000 | 39.568 | 1.1   | 95    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 40.000 | 39.938 | 0.2   | 101   | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 40.000 | 39.952 | 0.1   | 102   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 40.000 | 38.901 | 2.7   | 101   | 0.00     |
| 31   | Naphthalene                 | 40.000 | 39.152 | 2.1   | 101   | 0.00     |
| 32   | Benzoic acid                | 40.000 | 41.429 | -3.6  | 107   | 0.00     |
| 33   | 4-Chloroaniline             | 40.000 | 43.551 | -8.9  | 104   | 0.00     |
| 34 C | Hexachlorobutadiene         | 40.000 | 39.406 | 1.5   | 101   | 0.00     |
| 35   | Caprolactam                 | 40.000 | 40.381 | -1.0  | 99    | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 40.000 | 40.203 | -0.5  | 99    | 0.00     |
| 37   | 2-Methylnaphthalene         | 40.000 | 39.987 | 0.0   | 102   | 0.00     |
| 38   | 1-Methylnaphthalene         | 40.000 | 39.688 | 0.8   | 101   | 0.00     |
| 39 I | Acenaphthene-d10            | 20.000 | 20.000 | 0.0   | 102   | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 40.000 | 38.824 | 2.9   | 103   | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 40.000 | 37.711 | 5.7   | 99    | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 80.000 | 79.677 | 0.4   | 101   | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 40.000 | 39.390 | 1.5   | 101   | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 40.000 | 40.302 | -0.8  | 102   | 0.00     |
| 45 S | 2-Fluorobiphenyl            | 80.000 | 76.390 | 4.5   | 101   | 0.00     |
| 46   | 1,1'-Biphenyl               | 40.000 | 38.769 | 3.1   | 102   | 0.00     |
| 47   | 2-Chloronaphthalene         | 40.000 | 39.197 | 2.0   | 102   | 0.00     |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF112124\  
 Data File : BF140536.D  
 Acq On : 21 Nov 2024 15:07  
 Operator : RC/JU  
 Sample : SSTDICV040  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 ICVBF112124

Quant Time: Nov 21 16:11:44 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF112124.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Nov 21 15:23:48 2024  
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 25% Max. Rel. Area : 150%

|      | Compound                   | Amount | Calc.  | %Dev | Area% | Dev(min) |
|------|----------------------------|--------|--------|------|-------|----------|
| 48   | 2-Nitroaniline             | 40.000 | 40.037 | -0.1 | 101   | 0.00     |
| 49   | Acenaphthylene             | 40.000 | 38.850 | 2.9  | 102   | 0.00     |
| 50   | Dimethylphthalate          | 40.000 | 39.591 | 1.0  | 103   | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 40.000 | 39.356 | 1.6  | 100   | 0.00     |
| 52 C | Acenaphthene               | 40.000 | 38.578 | 3.6  | 101   | 0.00     |
| 53   | 3-Nitroaniline             | 40.000 | 40.901 | -2.3 | 102   | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 40.000 | 36.341 | 9.1  | 89    | 0.00     |
| 55   | Dibenzofuran               | 40.000 | 38.644 | 3.4  | 101   | 0.00     |
| 56 P | 4-Nitrophenol              | 40.000 | 42.263 | -5.7 | 104   | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 40.000 | 41.025 | -2.6 | 103   | 0.00     |
| 58   | Fluorene                   | 40.000 | 39.115 | 2.2  | 103   | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 41.797 | -4.5 | 105   | 0.00     |
| 60   | Diethylphthalate           | 40.000 | 39.078 | 2.3  | 102   | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 40.000 | 39.536 | 1.2  | 103   | 0.00     |
| 62   | 4-Nitroaniline             | 40.000 | 40.369 | -0.9 | 101   | 0.00     |
| 63   | Azobenzene                 | 40.000 | 39.396 | 1.5  | 103   | 0.00     |
| 64 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0  | 103   | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 40.000 | 41.134 | -2.8 | 98    | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 40.000 | 38.723 | 3.2  | 102   | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 40.000 | 38.977 | 2.6  | 103   | 0.00     |
| 68   | Hexachlorobenzene          | 40.000 | 38.974 | 2.6  | 102   | 0.00     |
| 69   | Atrazine                   | 40.000 | 34.643 | 13.4 | 106   | 0.00     |
| 70 C | Pentachlorophenol          | 40.000 | 42.779 | -6.9 | 99    | 0.00     |
| 71   | Phenanthrene               | 40.000 | 38.861 | 2.8  | 101   | 0.00     |
| 72   | Anthracene                 | 40.000 | 38.829 | 2.9  | 101   | 0.00     |
| 73   | Carbazole                  | 40.000 | 39.207 | 2.0  | 102   | 0.00     |
| 74   | Di-n-butylphthalate        | 40.000 | 39.765 | 0.6  | 104   | 0.00     |
| 75 C | Fluoranthene               | 40.000 | 40.002 | -0.0 | 106   | 0.00     |
| 76 I | Chrysene-d12               | 20.000 | 20.000 | 0.0  | 111   | 0.00     |
| 77   | Benzydine                  | 40.000 | 39.351 | 1.6  | 111   | 0.00     |
| 78   | Pyrene                     | 40.000 | 38.219 | 4.5  | 106   | 0.00     |
| 79 S | Terphenyl-d14              | 80.000 | 75.460 | 5.7  | 105   | 0.00     |
| 80   | Butylbenzylphthalate       | 40.000 | 40.542 | -1.4 | 111   | 0.00     |
| 81   | Benzo(a)anthracene         | 40.000 | 39.723 | 0.7  | 114   | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 40.000 | 41.011 | -2.5 | 110   | 0.00     |
| 83   | Chrysene                   | 40.000 | 39.406 | 1.5  | 111   | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 40.000 | 41.823 | -4.6 | 118   | 0.00     |
| 85 c | Di-n-octyl phthalate       | 40.000 | 43.965 | -9.9 | 124   | 0.01     |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0  | 102   | 0.01     |
| 87   | Indeno(1,2,3-cd)pyrene     | 40.000 | 38.995 | 2.5  | 99    | 0.01     |
| 88   | Benzo(b)fluoranthene       | 40.000 | 40.850 | -2.1 | 110   | 0.00     |
| 89   | Benzo(k)fluoranthene       | 40.000 | 40.110 | -0.3 | 102   | 0.01     |
| 90 C | Benzo(a)pyrene             | 40.000 | 40.041 | -0.1 | 103   | 0.01     |
| 91   | Dibenzo(a,h)anthracene     | 40.000 | 40.052 | -0.1 | 102   | 0.01     |
| 92   | Benzo(g,h,i)perylene       | 40.000 | 39.591 | 1.0  | 101   | 0.01     |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF112124\  
Data File : BF140536.D  
Acq On : 21 Nov 2024 15:07  
Operator : RC/JU  
Sample : SSTDICV040  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
ICVBF112124

Quant Time: Nov 21 16:11:44 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF112124.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Nov 21 15:23:48 2024  
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
Max. RRF Dev : 25% Max. Rel. Area : 150%

| Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|----------|--------|-------|------|-------|----------|
|----------|--------|-------|------|-------|----------|

(#) = Out of Range

SPCC's out = 0 CCC's out = 0



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

7C

## SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: LIRO01

Lab Code: CHEM Case No.: P5021 SAS No.: P5021 SDG No.: P5021

Instrument ID: BNA\_F Calibration Date/Time: 12/02/2024 10:22

Lab File ID: BF140681.D Init. Calib. Date(s): 11/21/2024 11/21/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:13 14:18

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

| COMPOUND                 | RRF   | RRF040 | MIN<br>RRF | %D   | MAX%D |
|--------------------------|-------|--------|------------|------|-------|
| 2-Fluorophenol           | 1.172 | 1.148  |            | -2.0 |       |
| Phenol-d6                | 1.550 | 1.511  |            | -2.5 |       |
| Nitrobenzene-d5          | 0.391 | 0.381  |            | -2.6 |       |
| 2-Fluorobiphenyl         | 1.342 | 1.303  |            | -2.9 |       |
| Acenaphthylene           | 1.710 | 1.674  |            | -2.1 |       |
| Acenaphthene             | 1.086 | 1.073  |            | -1.2 | 20.0  |
| Fluorene                 | 1.330 | 1.312  |            | -1.4 |       |
| 2,4,6-Tribromophenol     | 0.214 | 0.211  |            | -1.4 |       |
| Phenanthrene             | 0.961 | 0.947  |            | -1.5 |       |
| Anthracene               | 0.940 | 0.935  |            | -0.5 |       |
| Fluoranthene             | 1.044 | 1.053  |            | 0.9  | 20.0  |
| Pyrene                   | 1.849 | 1.875  |            | 1.4  |       |
| Terphenyl-d14            | 1.284 | 1.262  |            | -1.7 |       |
| Benzo (a) anthracene     | 1.324 | 1.320  |            | -0.3 |       |
| Chrysene                 | 1.211 | 1.200  |            | -0.9 |       |
| Benzo (b) fluoranthene   | 1.256 | 1.244  |            | -1.0 |       |
| Benzo (k) fluoranthene   | 1.099 | 1.048  |            | -4.6 |       |
| Benzo (a) pyrene         | 1.021 | 1.000  |            | -2.1 | 20.0  |
| Indeno (1,2,3-cd) pyrene | 1.303 | 1.265  |            | -2.9 |       |
| Dibenzo (a,h) anthracene | 1.067 | 1.025  |            | -3.9 |       |
| Benzo (g,h,i) perylene   | 1.089 | 1.064  |            | -2.3 |       |

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF120224\  
 Data File : BF140681.D  
 Acq On : 02 Dec 2024 10:22  
 Operator : RC/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

## Instrument :

BNA\_F

## ClientSampleId :

SSTDCCC040

## Manual Integrations

## APPROVED

Reviewed By :Yogesh Patel 12/03/2024

Supervised By :mohammad ahmed 12/05/2024

Quant Time: Dec 02 11:01:17 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF112124.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Thu Nov 21 15:23:48 2024

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.869  | 152  | 83338    | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.151  | 136  | 303615   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.910  | 164  | 170338   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.398 | 188  | 321182   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 14.063 | 240  | 183379   | 20.000 | ng    | 0.01     |
| 86) Perylene-d12              | 15.580 | 264  | 159952   | 20.000 | ng    | 0.04     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.499  | 112  | 382644   | 78.340 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.510  | 99   | 503620   | 77.993 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.434  | 82   | 462395   | 77.900 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.704 | 330  | 143600   | 78.824 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.228  | 172  | 887711   | 77.648 | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.986 | 244  | 925492   | 78.587 | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.634  | 88   | 80587    | 39.241 | ng    | 98       |
| 3) Pyridine                   | 3.405  | 79   | 186860   | 41.355 | ng    | 98       |
| 4) n-Nitrosodimethylamine     | 3.358  | 42   | 95688    | 36.032 | ng    | 90       |
| 6) Aniline                    | 6.534  | 93   | 194317   | 42.754 | ng    | 98       |
| 8) 2-Chlorophenol             | 6.663  | 128  | 208041   | 39.590 | ng    | 95       |
| 9) Benzaldehyde               | 6.428  | 77   | 128910   | 37.711 | ng    | 99       |
| 10) Phenol                    | 6.528  | 94   | 263164   | 39.907 | ng    | 99       |
| 11) bis(2-Chloroethyl)ether   | 6.604  | 93   | 195007   | 38.644 | ng    | 100      |
| 12) 1,3-Dichlorobenzene       | 6.810  | 146  | 230350   | 39.012 | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 6.887  | 146  | 231965   | 38.799 | ng    | 100      |
| 14) 1,2-Dichlorobenzene       | 7.040  | 146  | 220894   | 39.430 | ng    | 100      |
| 15) Benzyl Alcohol            | 7.016  | 79   | 188408   | 39.344 | ng    | 98       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.146  | 45   | 227260   | 38.120 | ng    | 89       |
| 17) 2-Methylphenol            | 7.128  | 107  | 164823   | 39.183 | ng    | 96       |
| 18) Hexachloroethane          | 7.381  | 117  | 85417    | 38.253 | ng    | 99       |
| 19) n-Nitroso-di-n-propyla... | 7.281  | 70   | 143772   | 37.674 | ng    | 99       |
| 20) 3+4-Methylphenols         | 7.281  | 107  | 211717   | 39.158 | ng    | 93       |
| 22) Acetophenone              | 7.281  | 105  | 292987   | 39.582 | ng    | 98       |
| 24) Nitrobenzene              | 7.457  | 77   | 242462   | 39.523 | ng    | 98       |
| 25) Isophorone                | 7.693  | 82   | 388993   | 39.291 | ng    | 100      |
| 26) 2-Nitrophenol             | 7.769  | 139  | 109812   | 40.392 | ng    | 99       |
| 27) 2,4-Dimethylphenol        | 7.810  | 122  | 138372m  | 42.539 | ng    |          |
| 28) bis(2-Chloroethoxy)met... | 7.898  | 93   | 235112   | 38.982 | ng    | 100      |
| 29) 2,4-Dichlorophenol        | 8.016  | 162  | 172933   | 40.122 | ng    | 98       |
| 30) 1,2,4-Trichlorobenzene    | 8.092  | 180  | 192346   | 39.084 | ng    | 99       |
| 31) Naphthalene               | 8.175  | 128  | 619717   | 39.627 | ng    | 99       |
| 32) Benzoic acid              | 7.934  | 122  | 91308    | 34.616 | ng    | 99       |
| 33) 4-Chloroaniline           | 8.228  | 127  | 197835   | 42.251 | ng    | 99       |
| 34) Hexachlorobutadiene       | 8.287  | 225  | 128217   | 39.335 | ng    | 100      |
| 35) Caprolactam               | 8.598  | 113  | 53801    | 40.334 | ng    | 98       |
| 36) 4-Chloro-3-methylphenol   | 8.710  | 107  | 190334   | 39.440 | ng    | 98       |
| 37) 2-Methylnaphthalene       | 8.863  | 142  | 397855   | 40.053 | ng    | 100      |
| 38) 1-Methylnaphthalene       | 8.963  | 142  | 384537   | 39.495 | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 9.028  | 216  | 195747   | 39.254 | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 9.016  | 237  | 39649    | 39.441 | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 9.145  | 196  | 121729   | 38.903 | ng    | 99       |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF120224\  
 Data File : BF140681.D  
 Acq On : 02 Dec 2024 10:22  
 Operator : RC/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

## Instrument :

BNA\_F

## ClientSampleId :

SSTDCCC040

## Manual Integrations

## APPROVED

Reviewed By :Yogesh Patel 12/03/2024

Supervised By :mohammad ahmed 12/05/2024

Quant Time: Dec 02 11:01:17 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF112124.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Thu Nov 21 15:23:48 2024

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.198  | 196  | 133861   | 39.418 | ng    | 96       |
| 46) 1,1'-Biphenyl             | 9.328  | 154  | 502088   | 39.480 | ng    | 99       |
| 47) 2-Chloronaphthalene       | 9.357  | 162  | 382473   | 39.690 | ng    | 98       |
| 48) 2-Nitroaniline            | 9.457  | 65   | 121591   | 39.310 | ng    | 97       |
| 49) Acenaphthylene            | 9.769  | 152  | 570128   | 39.157 | ng    | 99       |
| 50) Dimethylphthalate         | 9.628  | 163  | 435690   | 38.837 | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 9.692  | 165  | 101239   | 39.791 | ng    | 98       |
| 52) Acenaphthene              | 9.939  | 154  | 365569   | 39.516 | ng    | 99       |
| 53) 3-Nitroaniline            | 9.869  | 138  | 101271   | 40.697 | ng    | 95       |
| 54) 2,4-Dinitrophenol         | 9.981  | 184  | 39753    | 35.042 | ng    | 98       |
| 55) Dibenzofuran              | 10.116 | 168  | 552732   | 39.170 | ng    | 99       |
| 56) 4-Nitrophenol             | 10.045 | 139  | 58348    | 34.381 | ng    | 90       |
| 57) 2,4-Dinitrotoluene        | 10.104 | 165  | 138145   | 40.854 | ng    | 97       |
| 58) Fluorene                  | 10.457 | 166  | 447025   | 39.467 | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol | 10.239 | 232  | 101757   | 38.989 | ng    | 97       |
| 60) Diethylphthalate          | 10.322 | 149  | 442920   | 38.859 | ng    | 100      |
| 61) 4-Chlorophenyl-phenyle... | 10.445 | 204  | 221567   | 39.860 | ng    | 98       |
| 62) 4-Nitroaniline            | 10.481 | 138  | 106239   | 40.706 | ng    | 96       |
| 63) Azobenzene                | 10.610 | 77   | 421993   | 39.095 | ng    | 98       |
| 65) 4,6-Dinitro-2-methylph... | 10.516 | 198  | 68986    | 42.032 | ng    | 95       |
| 66) n-Nitrosodiphenylamine    | 10.569 | 169  | 370469   | 39.004 | ng    | 100      |
| 67) 4-Bromophenyl-phenylether | 10.939 | 248  | 131430   | 39.735 | ng    | 96       |
| 68) Hexachlorobenzene         | 11.010 | 284  | 148373   | 38.740 | ng    | 98       |
| 69) Atrazine                  | 11.092 | 200  | 95071    | 35.580 | ng    | 99       |
| 70) Pentachlorophenol         | 11.210 | 266  | 60904    | 36.131 | ng    | 99       |
| 71) Phenanthrene              | 11.422 | 178  | 608173   | 39.392 | ng    | 100      |
| 72) Anthracene                | 11.475 | 178  | 600668   | 39.774 | ng    | 100      |
| 73) Carbazole                 | 11.633 | 167  | 584648   | 40.242 | ng    | 99       |
| 74) Di-n-butylphthalate       | 11.951 | 149  | 648784   | 38.680 | ng    | 99       |
| 75) Fluoranthene              | 12.616 | 202  | 676451   | 40.355 | ng    | 100      |
| 77) Benzidine                 | 12.739 | 184  | 181013   | 33.951 | ng    | 98       |
| 78) Pyrene                    | 12.845 | 202  | 687839   | 40.567 | ng    | 99       |
| 80) Butylbenzylphthalate      | 13.457 | 149  | 246541   | 40.363 | ng    | 100      |
| 81) Benzo(a)anthracene        | 14.051 | 228  | 483983   | 39.870 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 14.010 | 252  | 141622   | 38.858 | ng    | 99       |
| 83) Chrysene                  | 14.086 | 228  | 440189   | 39.658 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 14.022 | 149  | 308576   | 40.009 | ng    | 100      |
| 85) Di-n-octyl phthalate      | 14.669 | 149  | 418059   | 39.662 | ng    | 98       |
| 87) Indeno(1,2,3-cd)pyrene    | 17.104 | 276  | 404685   | 38.823 | ng    | 99       |
| 88) Benzo(b)fluoranthene      | 15.139 | 252  | 397834   | 39.598 | ng    | 100      |
| 89) Benzo(k)fluoranthene      | 15.169 | 252  | 335170   | 38.123 | ng    | 99       |
| 90) Benzo(a)pyrene            | 15.516 | 252  | 319834   | 39.153 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 17.110 | 278  | 328020   | 38.424 | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 17.562 | 276  | 340327   | 39.067 | ng    | 99       |

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



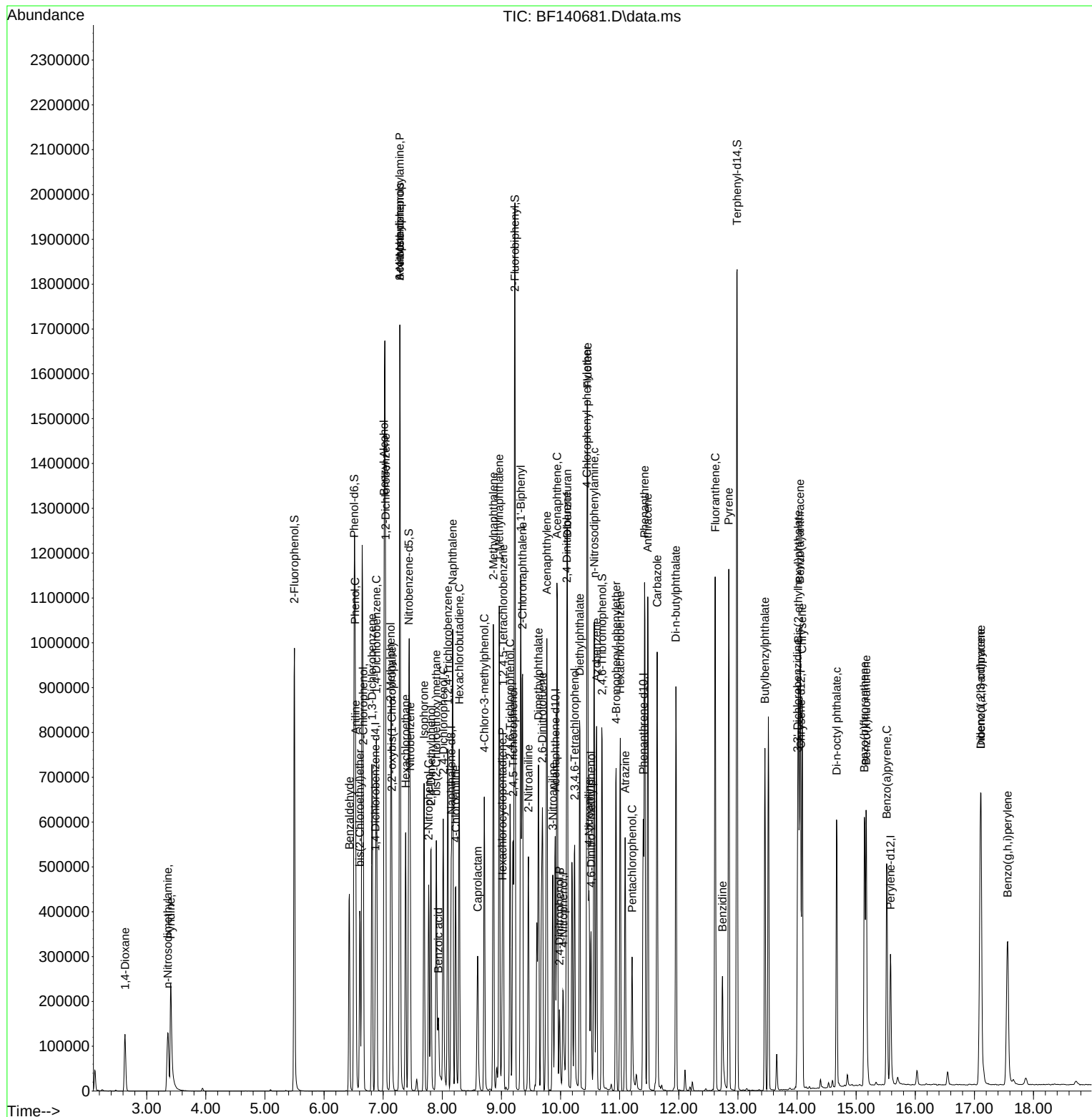
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Data File : BF140681.D  
Acq On    : 02 Dec 2024  10:22  
Operator  : RC/JU  
Sample    : SSTDCCC040  
Misc      :  
ALS Vial  : 2    Sample Multiplier: 1
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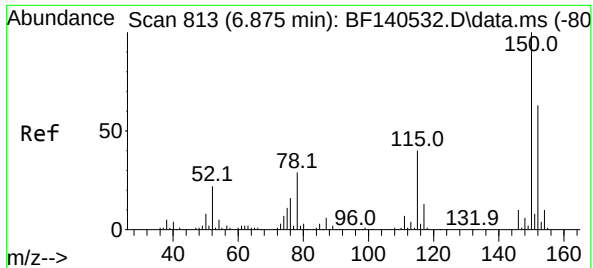
**Instrument :**  
BNA\_F  
**ClientSampleId :**  
SSTDCCC040

## Manual Integrations

Reviewed By :Yogesh Patel 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024

Quant Time: Dec 02 11:01:17 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF112124.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Nov 21 15:23:48 2024  
Response via : Initial Calibration





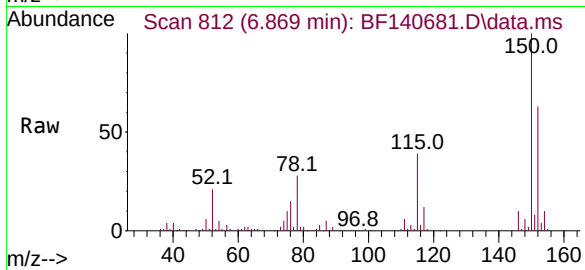
#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.869 min Scan# 81  
Delta R.T. -0.006 min  
Lab File: BF140681.D  
Acq: 02 Dec 2024 10:22

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

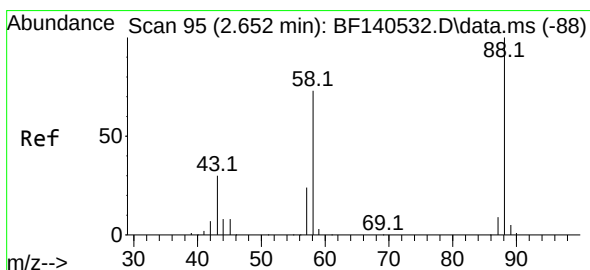
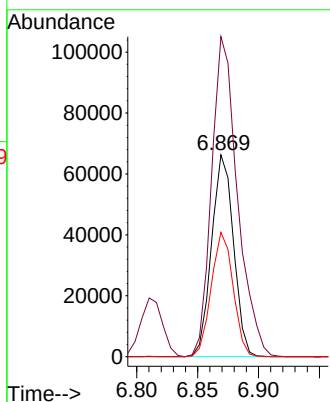
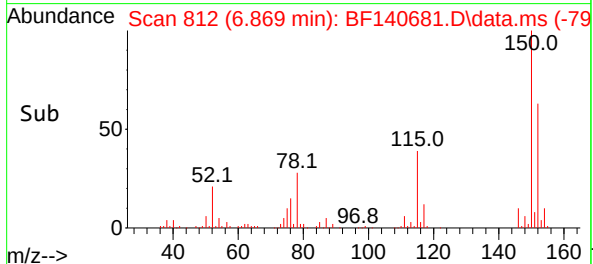


Tgt Ion:152 Resp: 83338  
Ion Ratio Lower Upper  
152 100  
150 158.5 128.5 192.7  
115 61.6 50.2 75.4

Manual Integrations

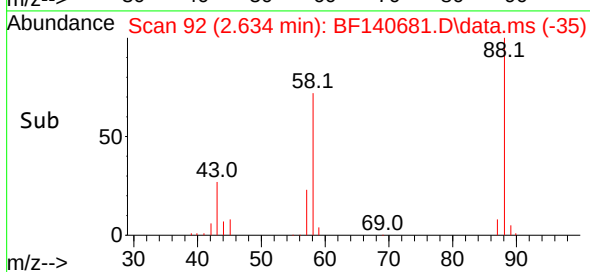
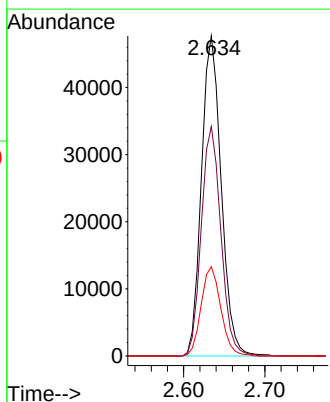
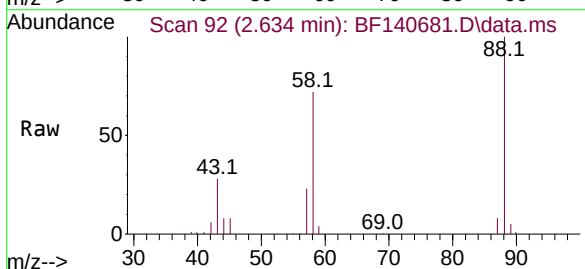
APPROVED

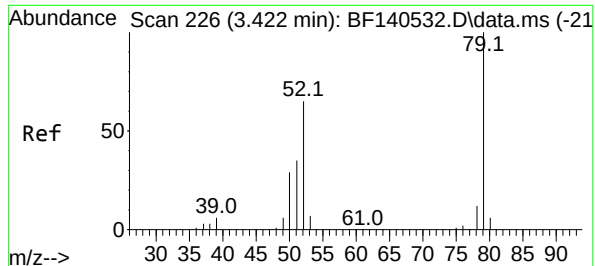
Reviewed By :Yogesh Patel 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024



#2  
1,4-Dioxane  
Concen: 39.241 ng  
RT: 2.634 min Scan# 92  
Delta R.T. -0.018 min  
Lab File: BF140681.D  
Acq: 02 Dec 2024 10:22

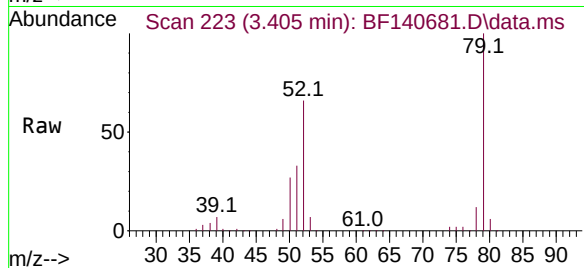
Tgt Ion: 88 Resp: 80587  
Ion Ratio Lower Upper  
88 100  
58 70.8 57.4 86.2  
43 27.8 24.3 36.5





#3  
Pyridine  
Concen: 41.355 ng  
RT: 3.405 min Scan# 215  
Delta R.T. -0.018 min  
Lab File: BF140681.D  
Acq: 02 Dec 2024 10:22

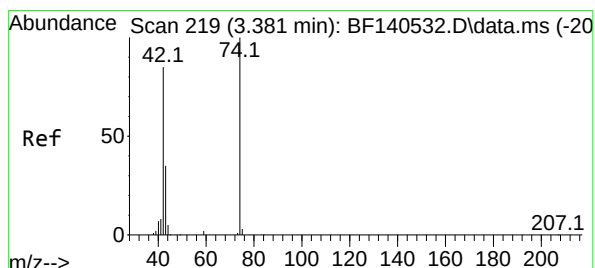
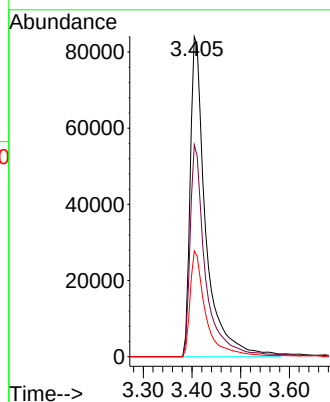
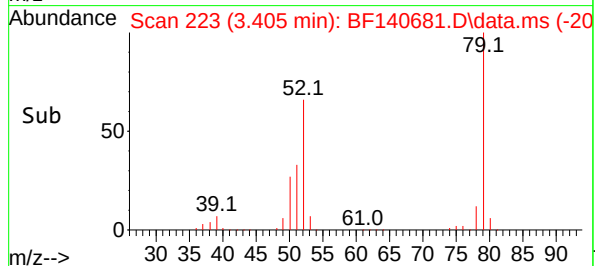
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040



Tgt Ion: 79 Resp: 186860  
Ion Ratio Lower Upper  
79 100  
52 66.2 52.1 78.1  
51 33.1 27.8 41.8

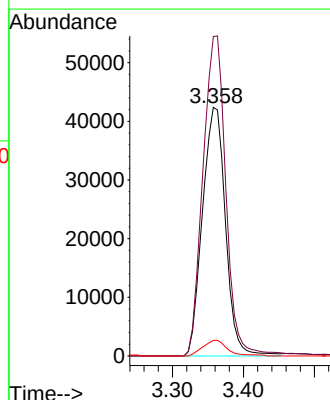
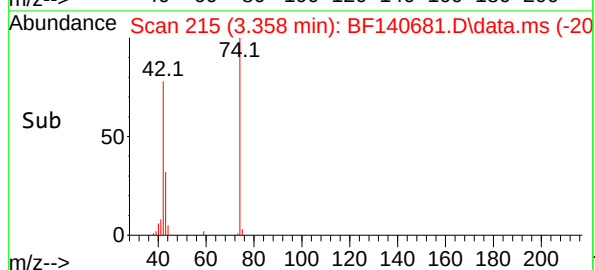
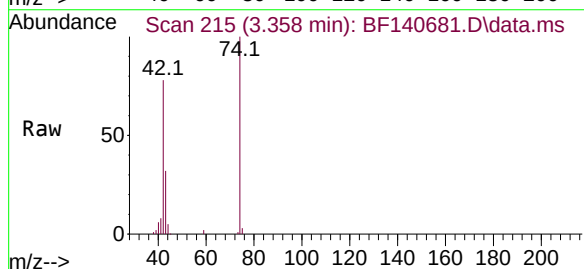
Manual Integrations  
**APPROVED**

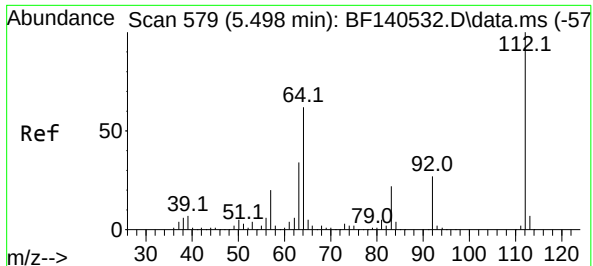
Reviewed By :Yogesh Patel 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024



#4  
n-Nitrosodimethylamine  
Concen: 36.032 ng  
RT: 3.358 min Scan# 215  
Delta R.T. -0.023 min  
Lab File: BF140681.D  
Acq: 02 Dec 2024 10:22

Tgt Ion: 42 Resp: 95688  
Ion Ratio Lower Upper  
42 100  
74 128.5 93.8 140.6  
44 6.3 4.6 6.8





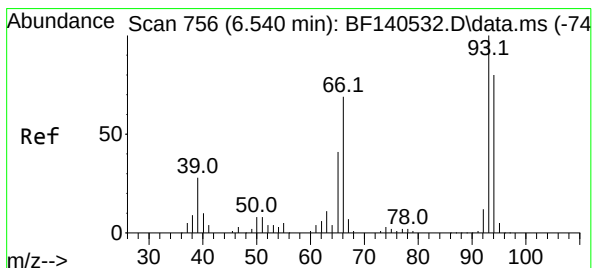
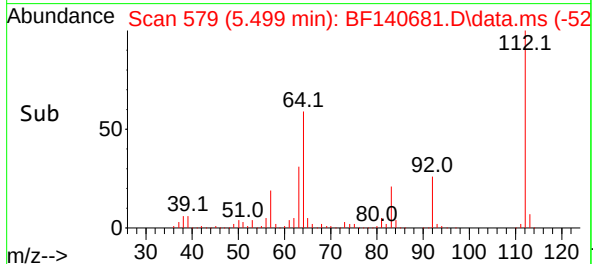
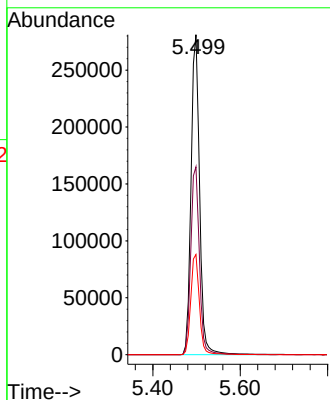
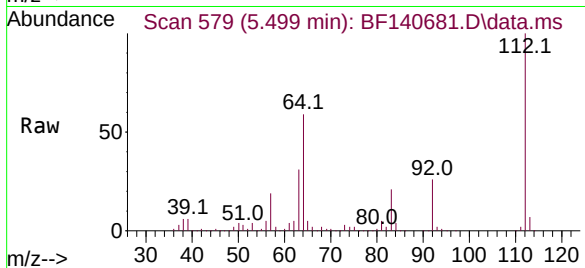
#5  
2-Fluorophenol  
Concen: 78.340 ng  
RT: 5.499 min Scan# 511  
Delta R.T. 0.000 min  
Lab File: BF140681.D  
Acq: 02 Dec 2024 10:22

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

Tgt Ion:112 Resp: 382644  
Ion Ratio Lower Upper  
112 100  
64 58.7 49.2 73.8  
63 31.3 27.0 40.4

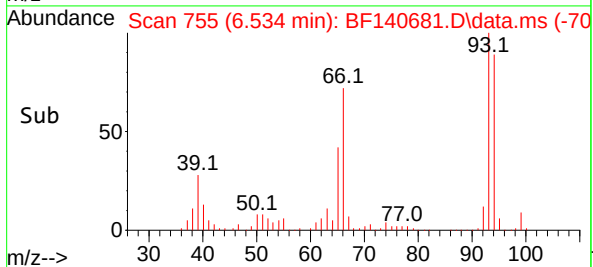
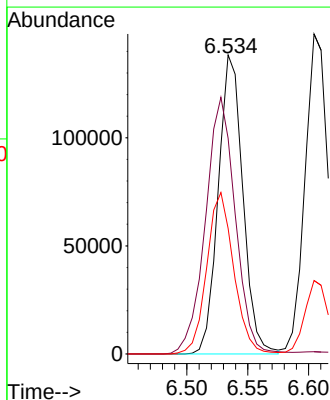
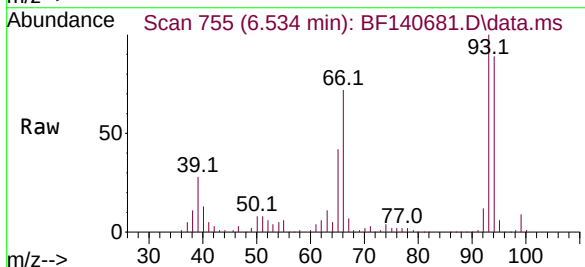
Manual Integrations  
**APPROVED**

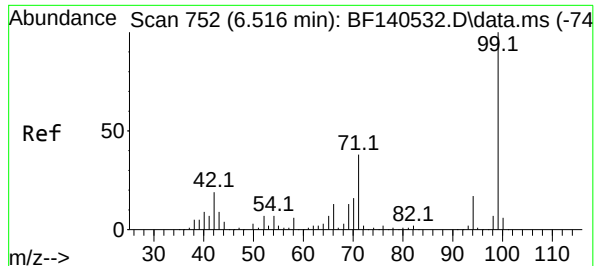
Reviewed By :Yogesh Patel 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024



#6  
Aniline  
Concen: 42.754 ng  
RT: 6.534 min Scan# 755  
Delta R.T. -0.006 min  
Lab File: BF140681.D  
Acq: 02 Dec 2024 10:22

Tgt Ion: 93 Resp: 194317  
Ion Ratio Lower Upper  
93 100  
66 72.1 56.5 84.7  
65 42.0 32.9 49.3





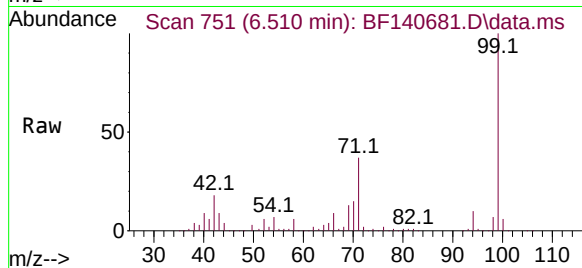
#7  
Phenol-d6  
Concen: 77.993 ng  
RT: 6.510 min Scan# 710  
Delta R.T. -0.006 min  
Lab File: BF140681.D  
Acq: 02 Dec 2024 10:22

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

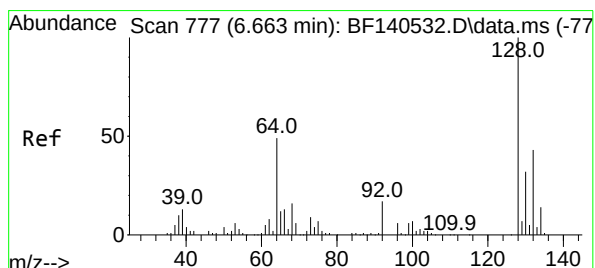
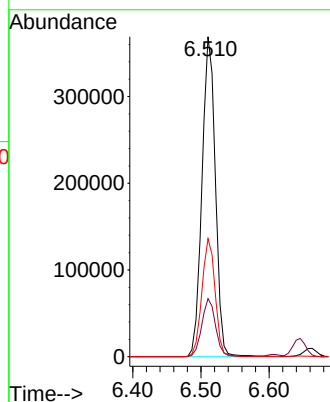
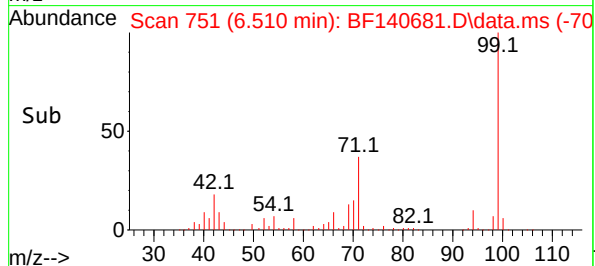


Tgt Ion: 99 Resp: 503620  
Ion Ratio Lower Upper  
99 100  
42 18.1 15.4 23.0  
71 36.9 30.6 46.0

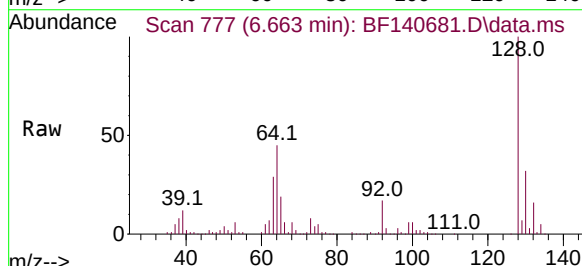
Manual Integrations

APPROVED

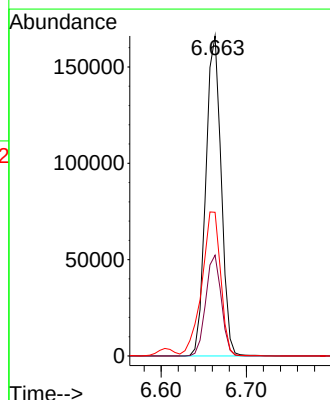
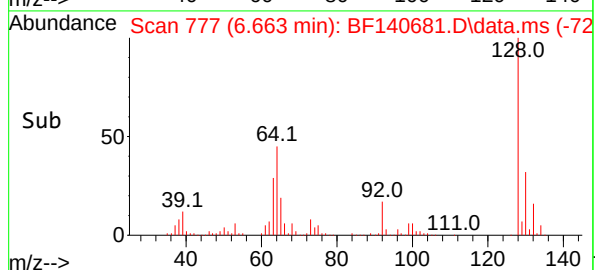
Reviewed By :Yogesh Patel 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024

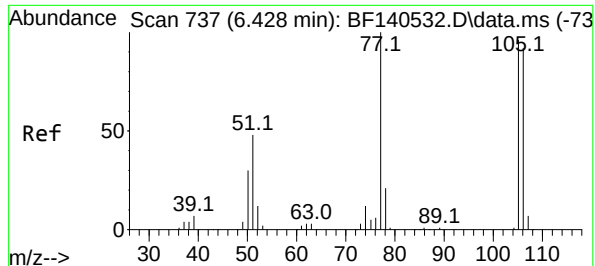


#8  
2-Chlorophenol  
Concen: 39.590 ng  
RT: 6.663 min Scan# 777  
Delta R.T. 0.000 min  
Lab File: BF140681.D  
Acq: 02 Dec 2024 10:22



Tgt Ion:128 Resp: 208041  
Ion Ratio Lower Upper  
128 100  
130 31.5 12.3 52.3  
64 44.9 30.2 70.2





#9

Benzaldehyde

Concen: 37.711 ng

RT: 6.428 min Scan# 71

Delta R.T. -0.000 min

Lab File: BF140681.D

Acq: 02 Dec 2024 10:22

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 77 Resp: 128910

Ion Ratio Lower Upper

77 100

105 96.8 75.6 115.6

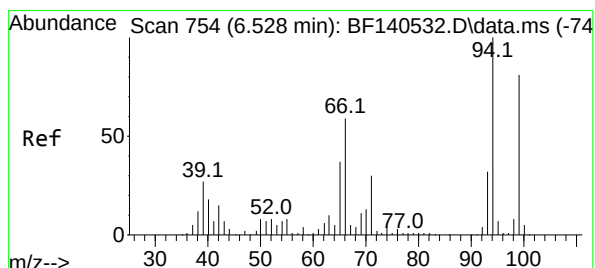
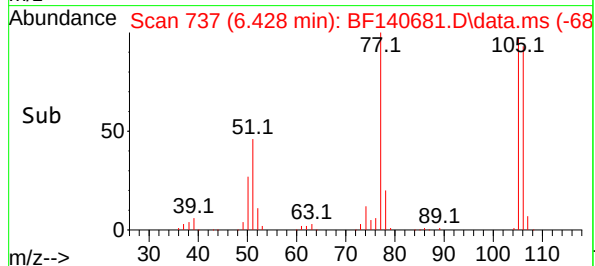
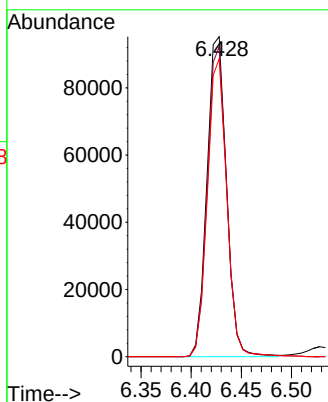
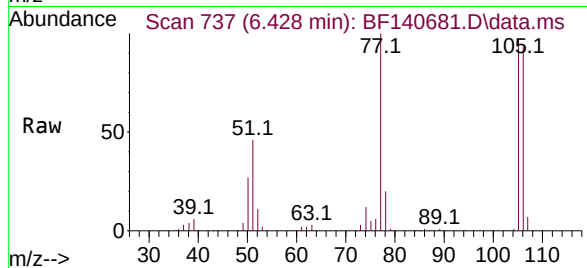
106 93.1 72.0 112.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/03/2024

Supervised By :mohammad ahmed 12/05/2024



#10

Phenol

Concen: 39.907 ng

RT: 6.528 min Scan# 754

Delta R.T. 0.000 min

Lab File: BF140681.D

Acq: 02 Dec 2024 10:22

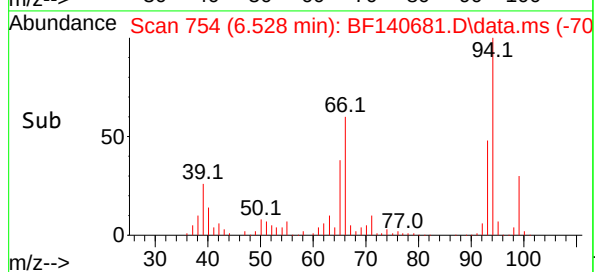
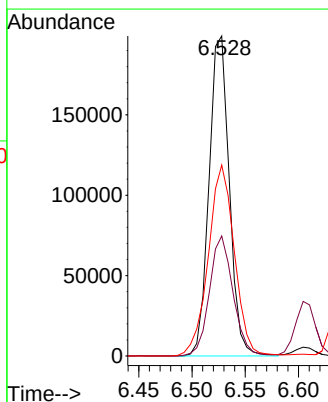
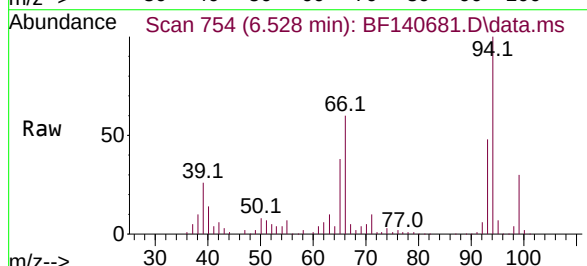
Tgt Ion: 94 Resp: 263164

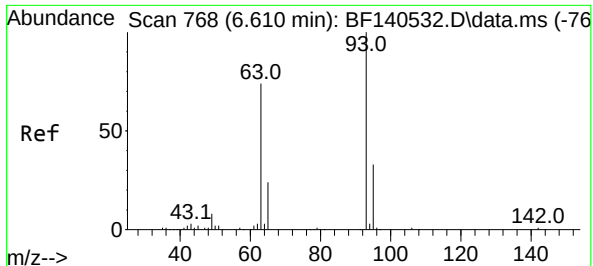
Ion Ratio Lower Upper

94 100

65 37.5 17.2 57.2

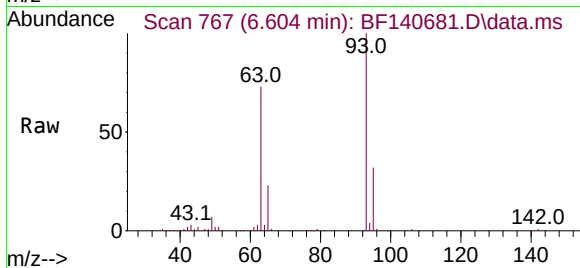
66 59.6 39.2 79.2





#11  
bis(2-Chloroethyl)ether  
Concen: 38.644 ng  
RT: 6.604 min Scan# 768  
Delta R.T. -0.006 min  
Lab File: BF140681.D  
Acq: 02 Dec 2024 10:22

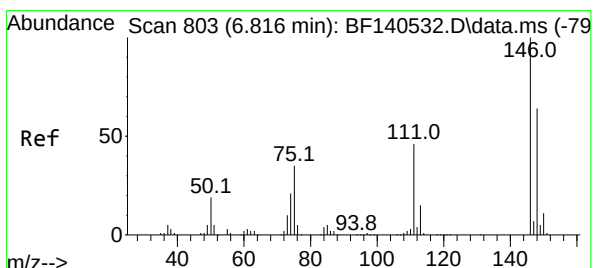
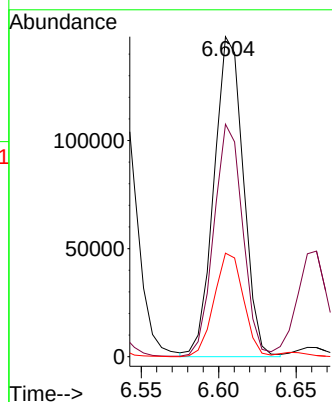
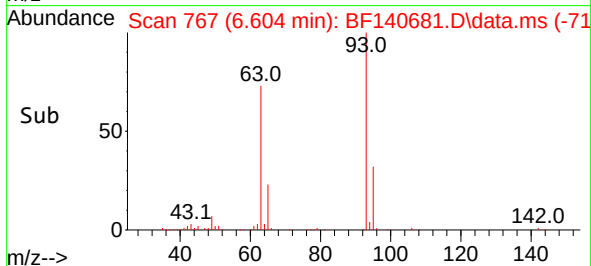
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040



Tgt Ion: 93 Resp: 19500  
Ion Ratio Lower Upper  
93 100  
63 72.7 52.8 92.8  
95 32.4 12.3 52.3

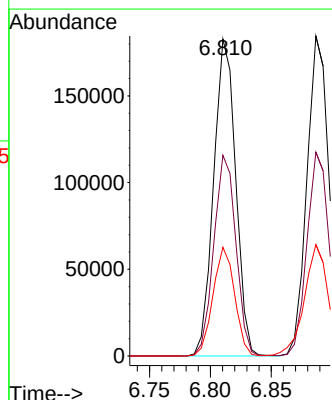
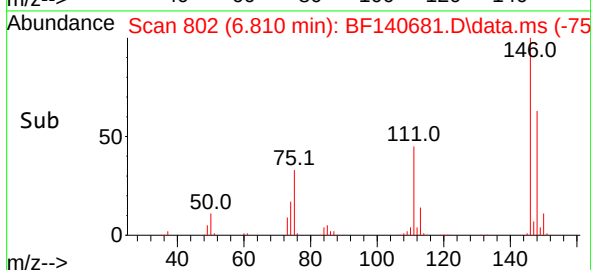
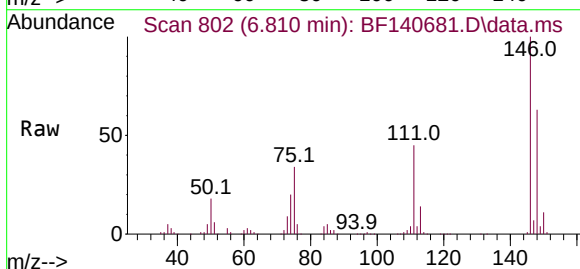
Manual Integrations  
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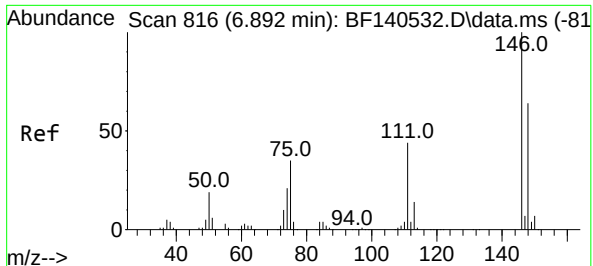
Reviewed By :Yogesh Patel 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024



#12  
1,3-Dichlorobenzene  
Concen: 39.012 ng  
RT: 6.810 min Scan# 802  
Delta R.T. -0.006 min  
Lab File: BF140681.D  
Acq: 02 Dec 2024 10:22

Tgt Ion:146 Resp: 230350  
Ion Ratio Lower Upper  
146 100  
148 63.3 51.3 76.9  
75 34.2 28.2 42.2





#13

1,4-Dichlorobenzene

Concen: 38.799 ng

RT: 6.887 min Scan# 815

Delta R.T. -0.006 min

Lab File: BF140681.D

Acq: 02 Dec 2024 10:22

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

Tgt Ion:146 Resp: 23196

Ion Ratio Lower Upper

146 100

148 63.7 51.0 76.6

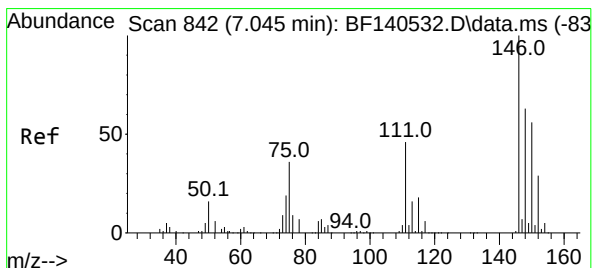
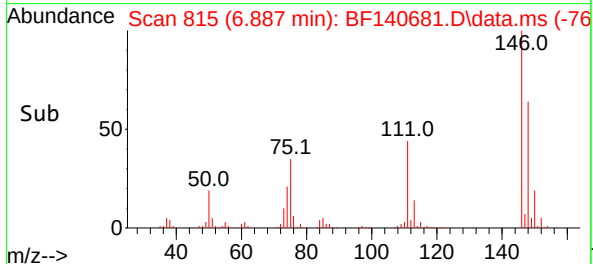
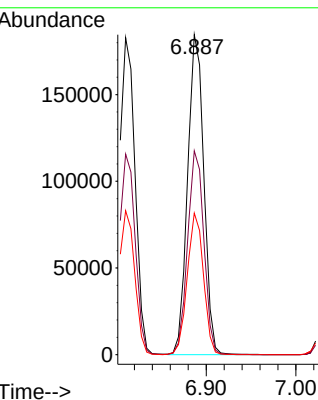
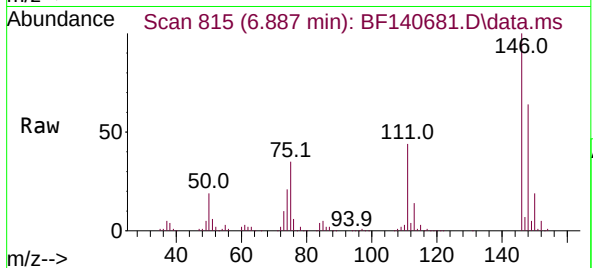
111 44.2 35.3 52.9

Manual Integrations

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Reviewed By :Yogesh Patel 12/03/2024

Supervised By :mohammad ahmed 12/05/2024



#14

1,2-Dichlorobenzene

Concen: 39.430 ng

RT: 7.040 min Scan# 841

Delta R.T. -0.006 min

Lab File: BF140681.D

Acq: 02 Dec 2024 10:22

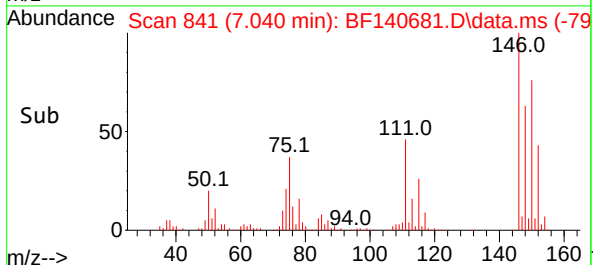
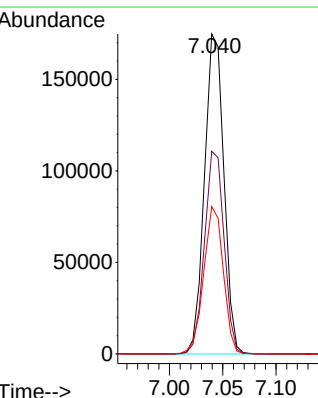
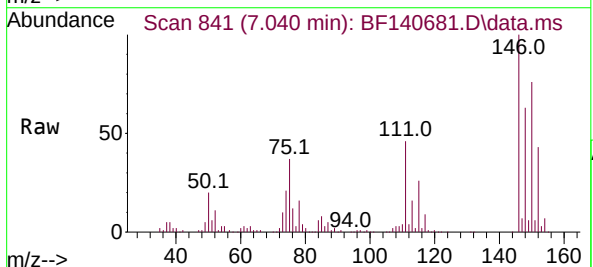
Tgt Ion:146 Resp: 220894

Ion Ratio Lower Upper

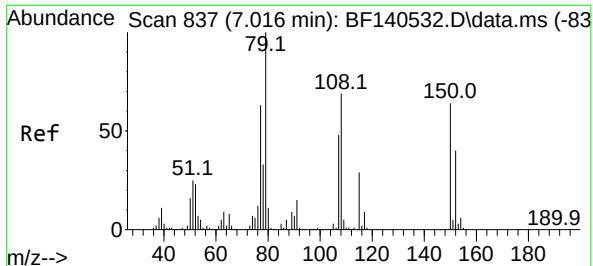
146 100

148 63.4 50.5 75.7

111 46.1 36.7 55.1







#15

Benzyl Alcohol

Concen: 39.344 ng

RT: 7.016 min Scan# 837

Delta R.T. 0.000 min

Lab File: BF140681.D

Acq: 02 Dec 2024 10:22

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 79 Resp: 188408

Ion Ratio Lower Upper

79 100

108 70.6 55.0 82.6

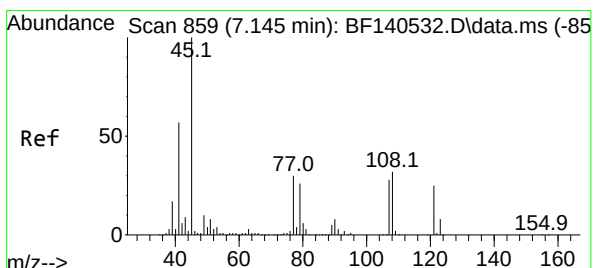
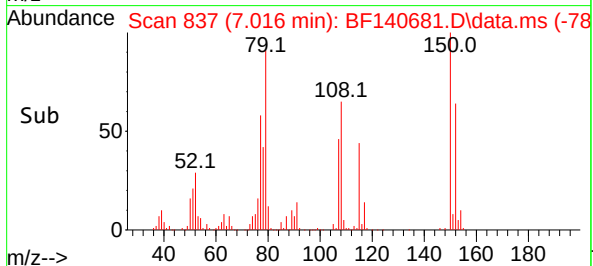
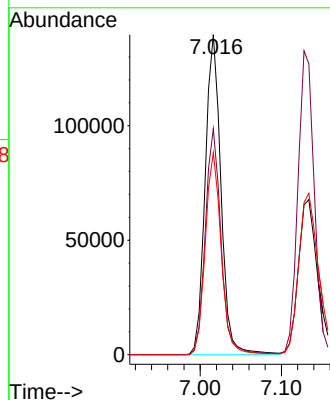
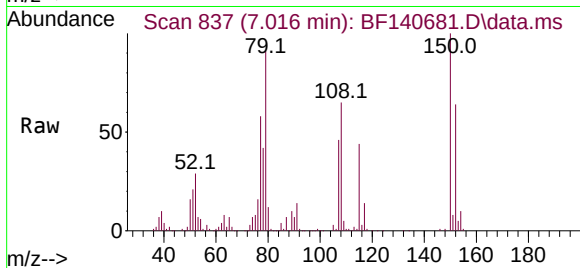
77 63.2 50.1 75.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/03/2024

Supervised By :mohammad ahmed 12/05/2024



#16

2,2'-oxybis(1-Chloropropane)

Concen: 38.120 ng

RT: 7.146 min Scan# 859

Delta R.T. 0.000 min

Lab File: BF140681.D

Acq: 02 Dec 2024 10:22

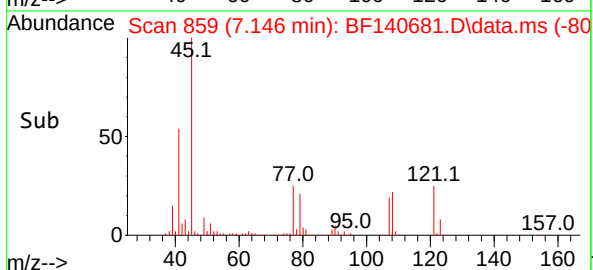
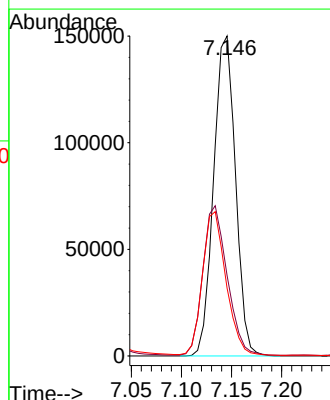
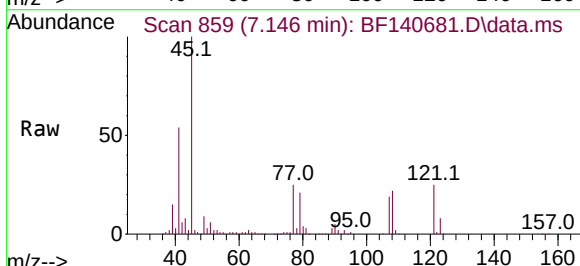
Tgt Ion: 45 Resp: 227260

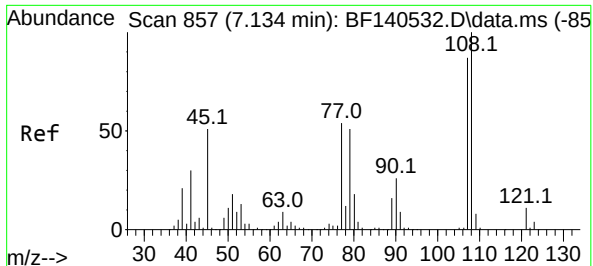
Ion Ratio Lower Upper

45 100

77 25.1 10.7 50.7

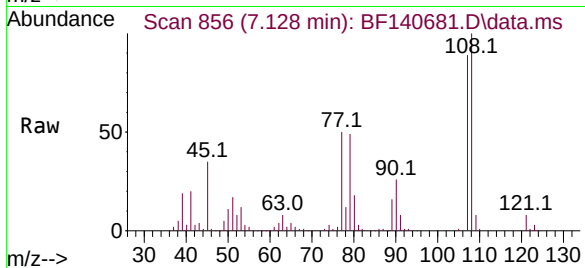
79 21.2 7.0 47.0





#17  
2-Methylphenol  
Concen: 39.183 ng  
RT: 7.128 min Scan# 810  
Delta R.T. -0.006 min  
Lab File: BF140681.D  
Acq: 02 Dec 2024 10:22

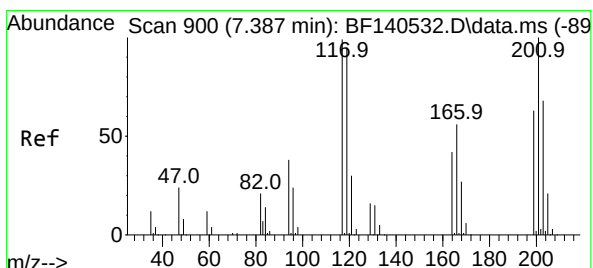
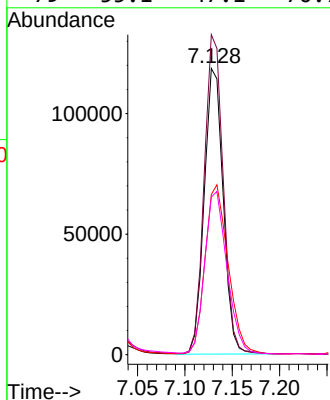
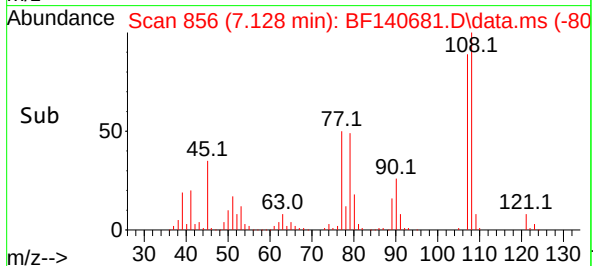
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040



Tgt Ion:107 Resp: 16482  
Ion Ratio Lower Upper  
107 100  
108 111.8 91.7 137.5  
77 56.0 49.3 73.9  
79 55.1 47.1 70.7

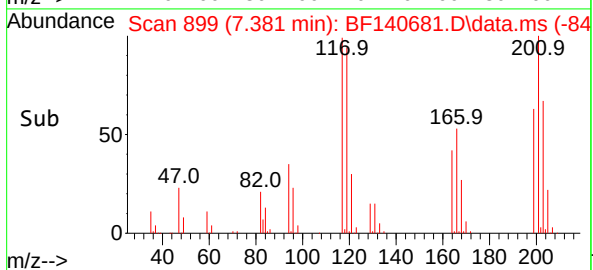
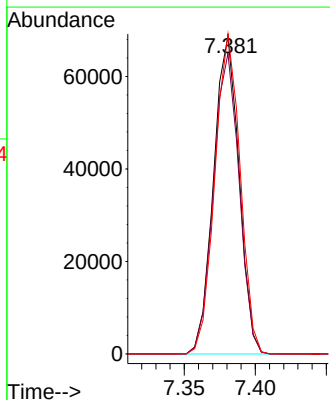
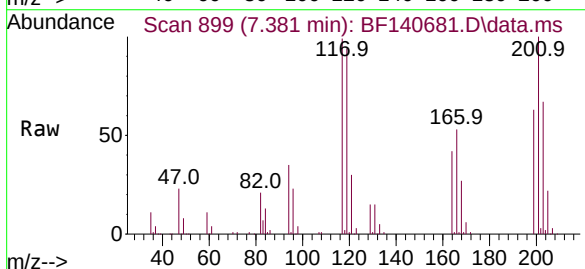
Manual Integrations  
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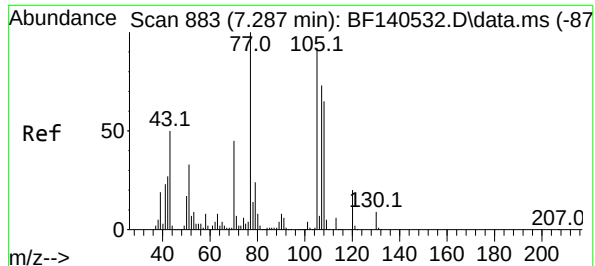
Reviewed By :Yogesh Patel 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024



#18  
Hexachloroethane  
Concen: 38.253 ng  
RT: 7.381 min Scan# 899  
Delta R.T. -0.006 min  
Lab File: BF140681.D  
Acq: 02 Dec 2024 10:22

Tgt Ion:117 Resp: 85417  
Ion Ratio Lower Upper  
117 100  
119 94.6 77.1 115.7  
201 100.7 81.1 121.7





#19

n-Nitroso-di-n-propylamine

Concen: 37.674 ng

RT: 7.281 min Scan# 882

Delta R.T. -0.006 min

Lab File: BF140681.D

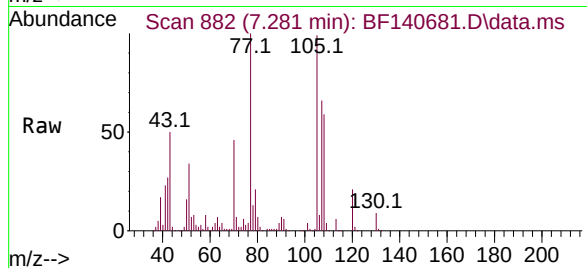
Acq: 02 Dec 2024 10:22

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040



Tgt Ion: 70 Resp: 143772

Ion Ratio Lower Upper

70 100

42 58.6 47.6 71.4

101 9.5 7.6 11.4

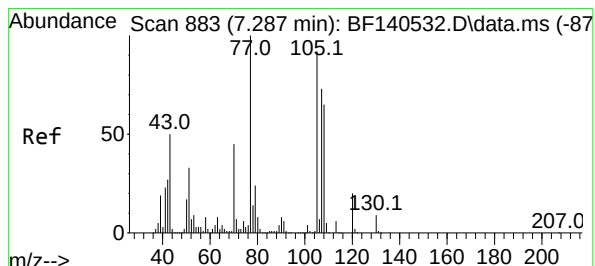
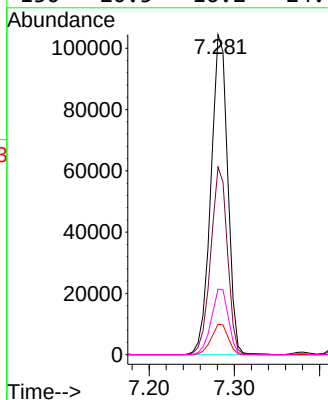
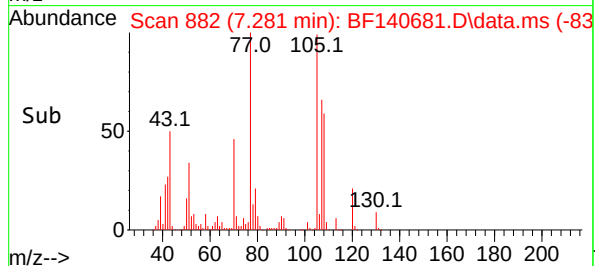
130 20.5 16.2 24.4

Manual Integrations

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Reviewed By :Yogesh Patel 12/03/2024

Supervised By :mohammad ahmed 12/05/2024



#20

3+4-Methylphenols

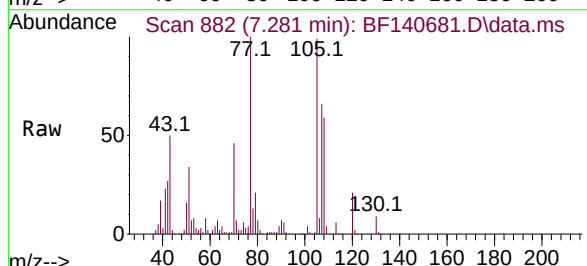
Concen: 39.158 ng

RT: 7.281 min Scan# 882

Delta R.T. -0.006 min

Lab File: BF140681.D

Acq: 02 Dec 2024 10:22



Tgt Ion:107 Resp: 211717

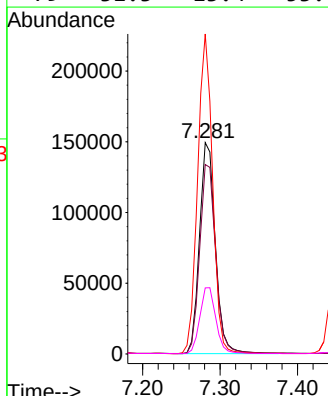
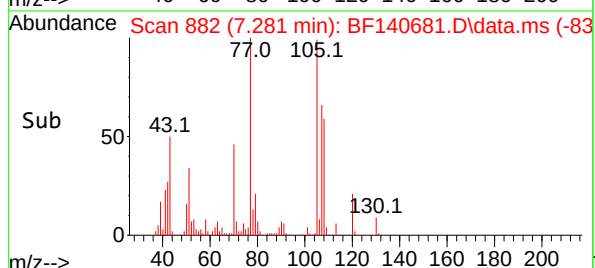
Ion Ratio Lower Upper

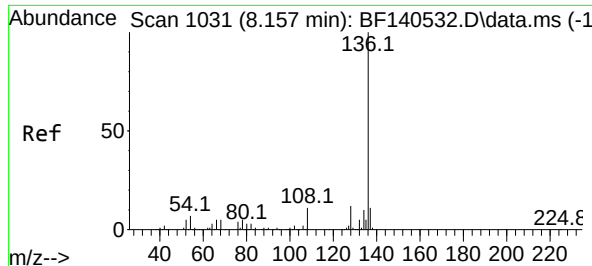
107 100

108 89.6 69.9 109.9

77 151.4 117.7 157.7

79 31.3 13.4 53.4





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.151 min Scan# 1031

Delta R.T. -0.006 min

Lab File: BF140681.D

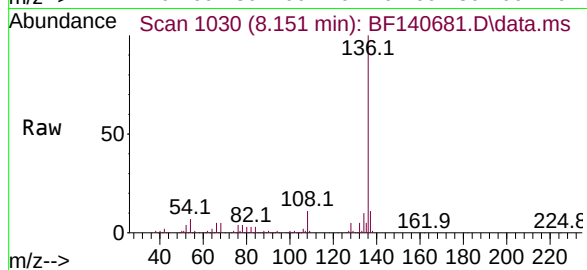
Acq: 02 Dec 2024 10:22

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040



Tgt Ion:136 Resp: 30361

Ion Ratio Lower Upper

136 100

137 11.1 8.6 13.0

54 7.1 5.8 8.8

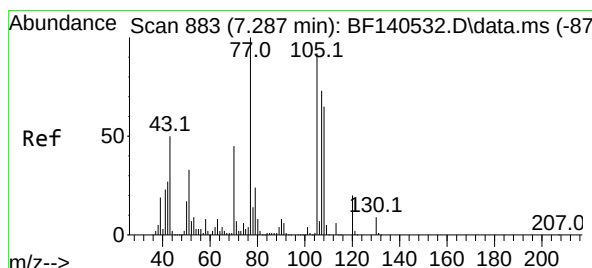
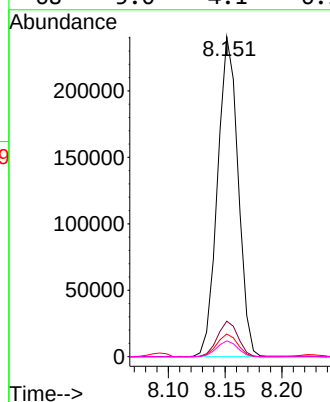
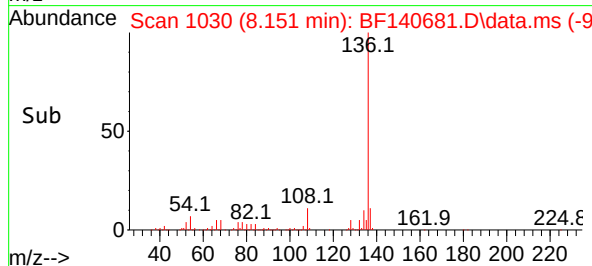
68 5.0 4.1 6.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/03/2024

Supervised By :mohammad ahmed 12/05/2024



#22

Acetophenone

Concen: 39.582 ng

RT: 7.281 min Scan# 882

Delta R.T. -0.006 min

Lab File: BF140681.D

Acq: 02 Dec 2024 10:22

Tgt Ion:105 Resp: 292987

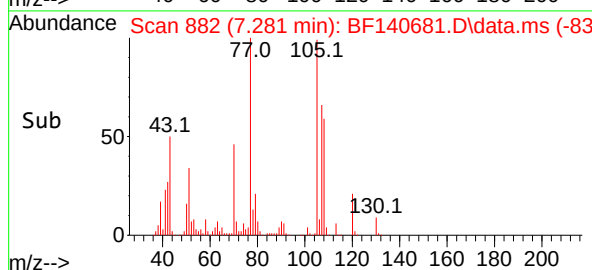
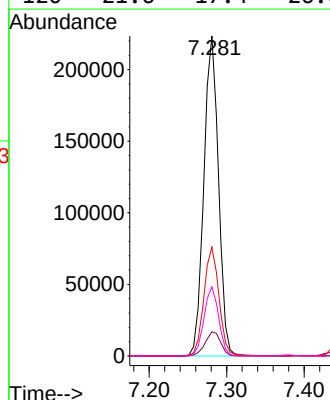
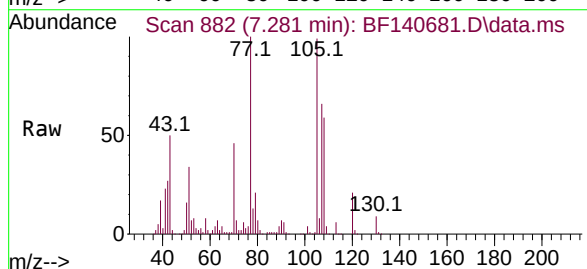
Ion Ratio Lower Upper

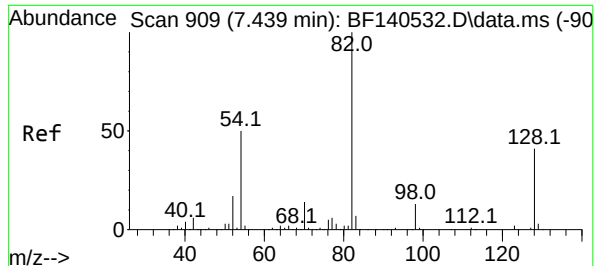
105 100

71 7.6 6.2 9.2

51 33.9 29.0 43.6

120 21.6 17.4 26.0





#23

Nitrobenzene-d5

Concen: 77.900 ng

RT: 7.434 min Scan# 909

Delta R.T. -0.006 min

Lab File: BF140681.D

Acq: 02 Dec 2024 10:22

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 82 Resp: 46239

Ion Ratio Lower Upper

82 100

128 42.2 33.0 49.4

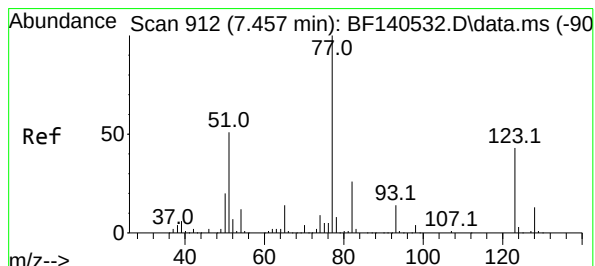
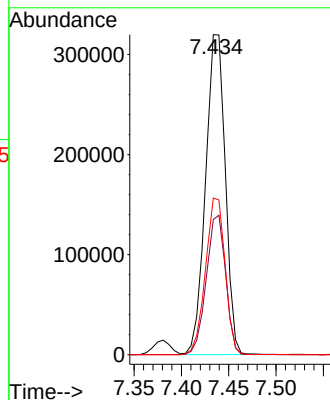
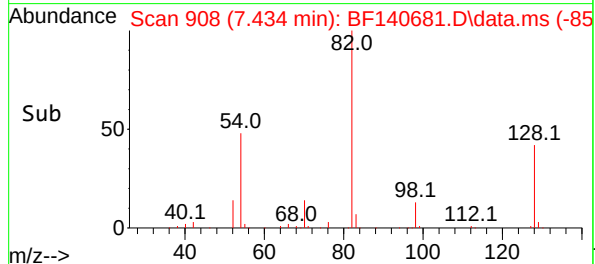
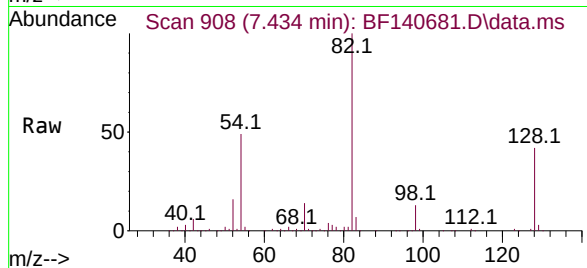
54 49.0 39.5 59.3

Manual Integrations

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Reviewed By :Yogesh Patel 12/03/2024

Supervised By :mohammad ahmed 12/05/2024



#24

Nitrobenzene

Concen: 39.523 ng

RT: 7.457 min Scan# 912

Delta R.T. 0.000 min

Lab File: BF140681.D

Acq: 02 Dec 2024 10:22

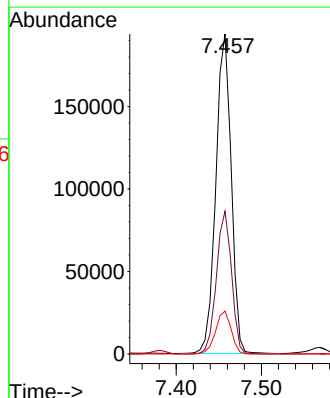
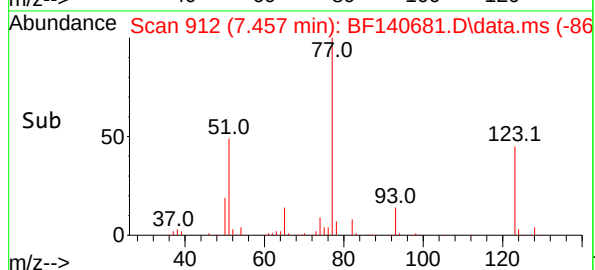
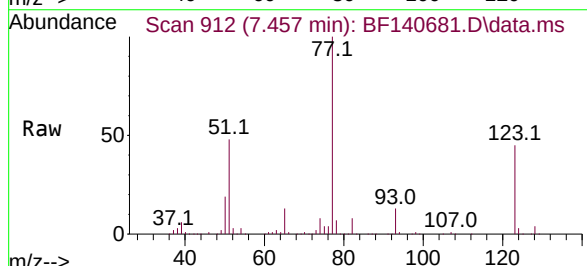
Tgt Ion: 77 Resp: 242462

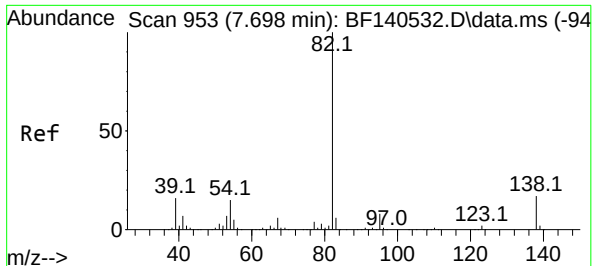
Ion Ratio Lower Upper

77 100

123 44.6 34.3 51.5

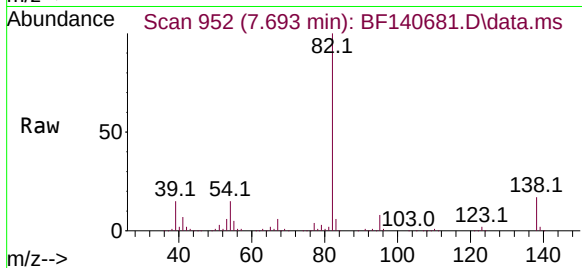
65 13.4 11.2 16.8





#25  
Isophorone  
Concen: 39.291 ng  
RT: 7.693 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: BF140681.D  
Acq: 02 Dec 2024 10:22

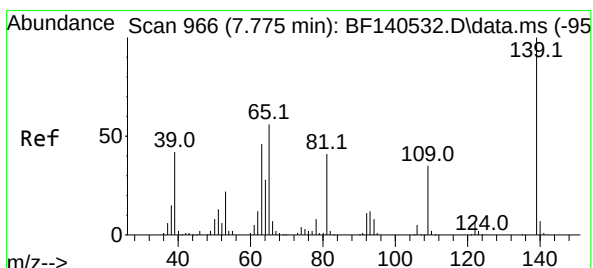
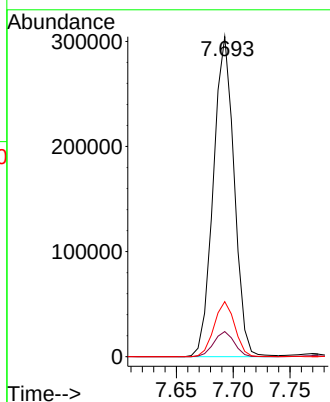
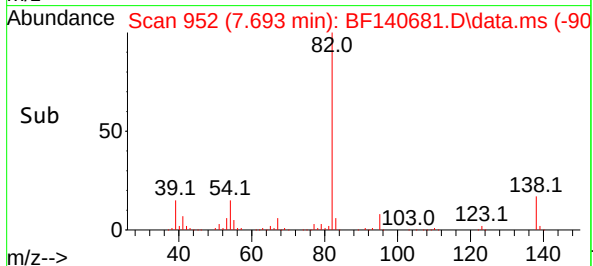
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040



Tgt Ion: 82 Resp: 38899  
Ion Ratio Lower Upper  
82 100  
95 7.8 6.4 9.6  
138 17.2 13.8 20.6

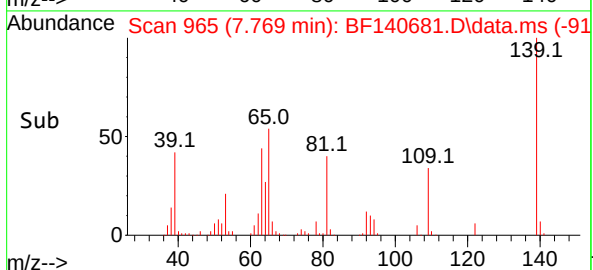
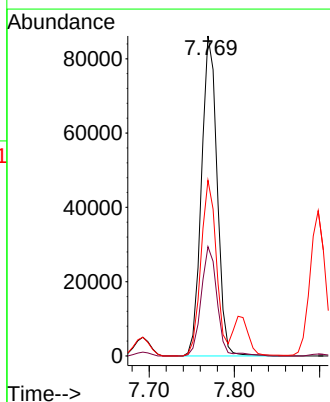
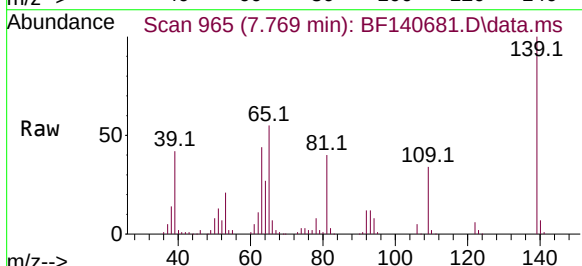
Manual Integrations  
**APPROVED**

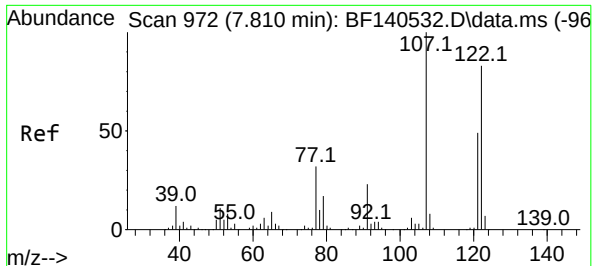
Reviewed By :Yogesh Patel 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024



#26  
2-Nitrophenol  
Concen: 40.392 ng  
RT: 7.769 min Scan# 965  
Delta R.T. -0.006 min  
Lab File: BF140681.D  
Acq: 02 Dec 2024 10:22

Tgt Ion:139 Resp: 109812  
Ion Ratio Lower Upper  
139 100  
109 34.2 28.0 42.0  
65 54.9 44.6 67.0





#27

2,4-Dimethylphenol

Concen: 42.539 ng m

RT: 7.810 min Scan# 91

Delta R.T. 0.000 min

Lab File: BF140681.D

Acq: 02 Dec 2024 10:22

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

Tgt Ion:122 Resp: 138372

Ion Ratio Lower Upper

122 100

107 117.0 96.8 145.2

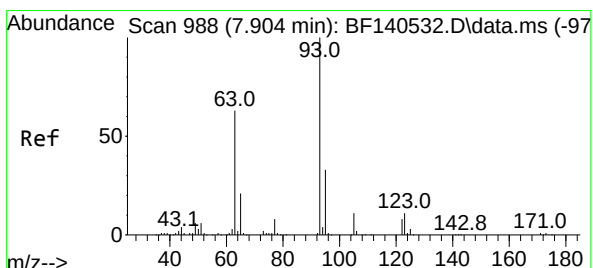
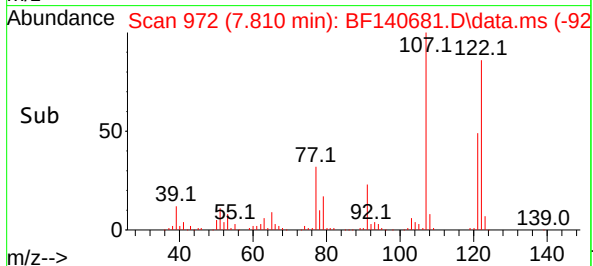
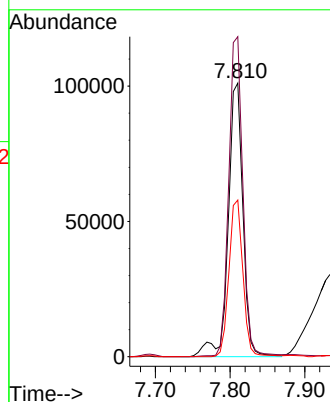
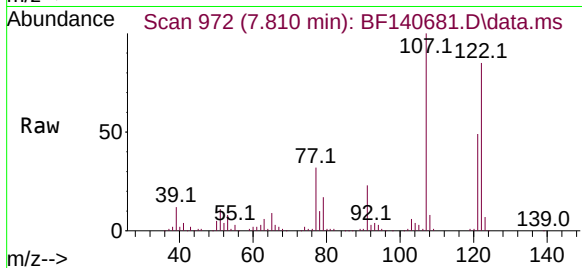
121 57.3 47.4 71.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/03/2024

Supervised By :mohammad ahmed 12/05/2024



#28

bis(2-Chloroethoxy)methane

Concen: 38.982 ng

RT: 7.898 min Scan# 987

Delta R.T. -0.006 min

Lab File: BF140681.D

Acq: 02 Dec 2024 10:22

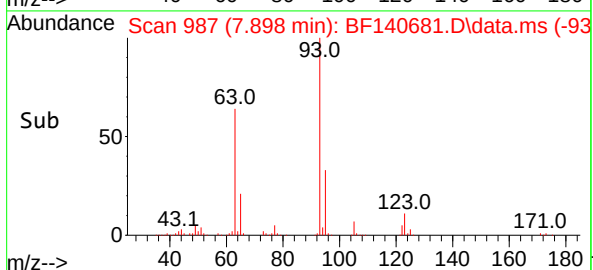
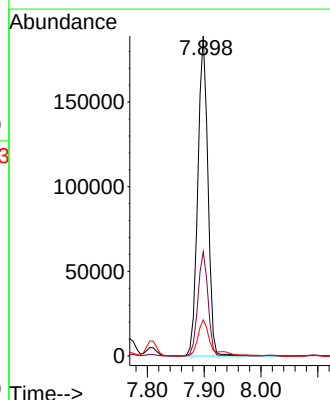
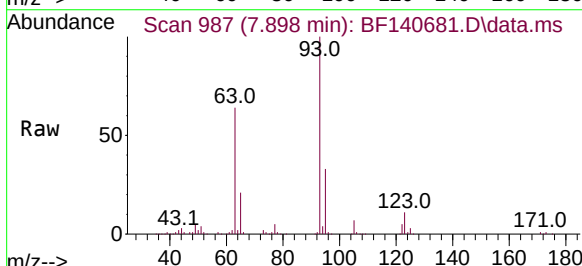
Tgt Ion: 93 Resp: 235112

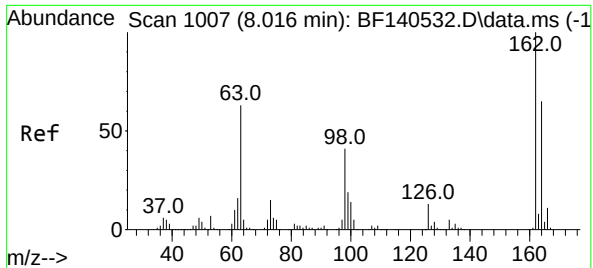
Ion Ratio Lower Upper

93 100

95 32.5 26.1 39.1

123 11.3 9.1 13.7





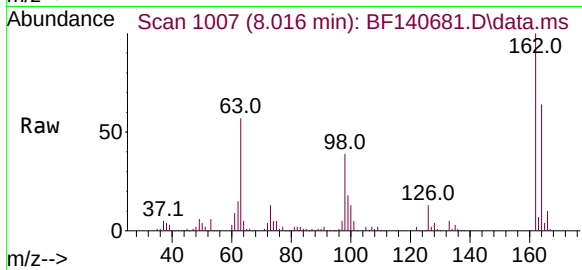
#29  
2,4-Dichlorophenol  
Concen: 40.122 ng  
RT: 8.016 min Scan# 1007  
Delta R.T. 0.000 min  
Lab File: BF140681.D  
Acq: 02 Dec 2024 10:22

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

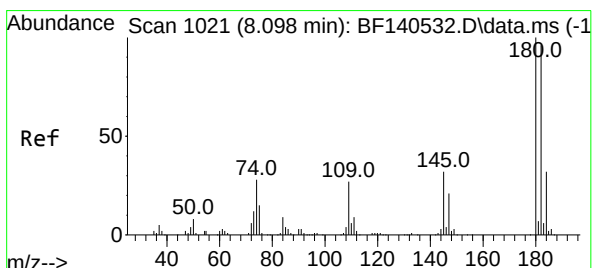
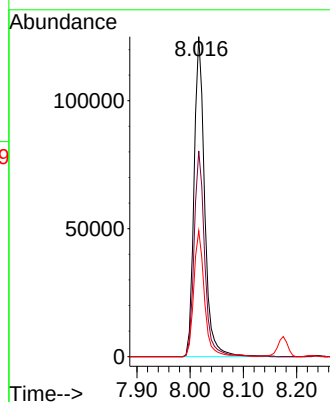
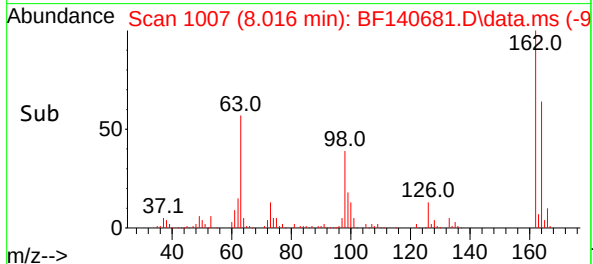


Tgt Ion:162 Resp: 172933  
Ion Ratio Lower Upper  
162 100  
164 64.3 44.8 84.8  
98 39.3 21.2 61.2

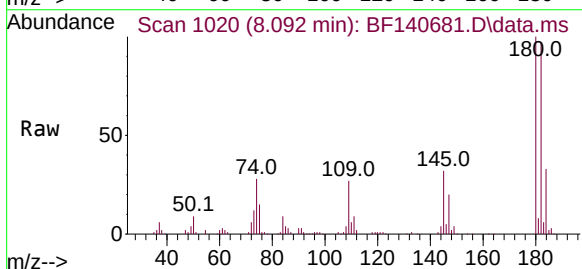
Manual Integrations

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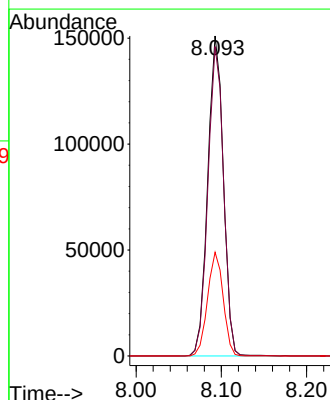
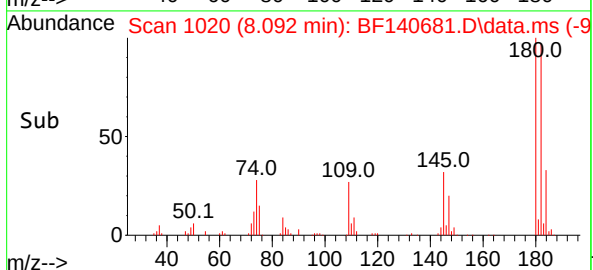
Reviewed By :Yogesh Patel 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024



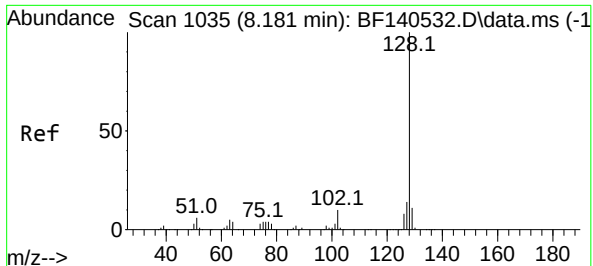
#30  
1,2,4-Trichlorobenzene  
Concen: 39.084 ng  
RT: 8.092 min Scan# 1020  
Delta R.T. -0.006 min  
Lab File: BF140681.D  
Acq: 02 Dec 2024 10:22



Tgt Ion:180 Resp: 192346  
Ion Ratio Lower Upper  
180 100  
182 96.7 76.4 114.6  
145 32.4 25.9 38.9







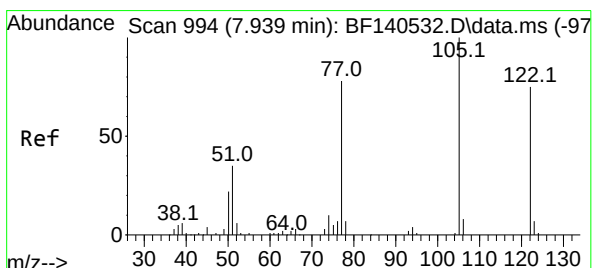
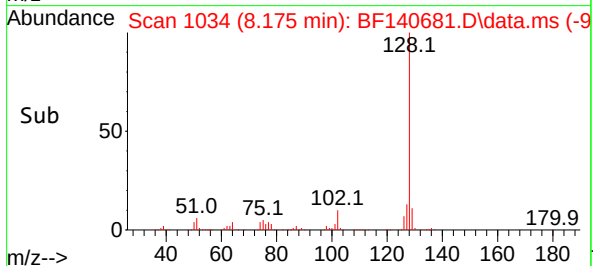
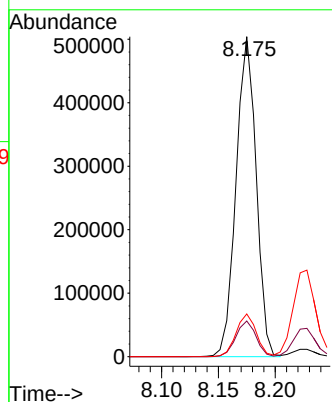
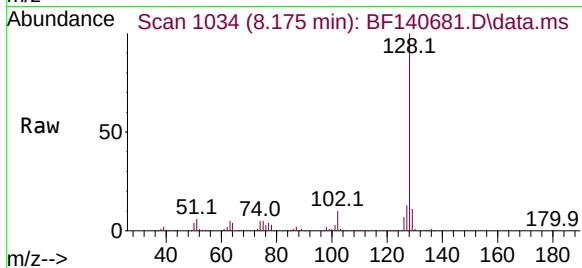
#31  
Naphthalene  
Concen: 39.627 ng  
RT: 8.175 min Scan# 1034  
Delta R.T. -0.006 min  
Lab File: BF140681.D  
Acq: 02 Dec 2024 10:22

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

Tgt Ion:128 Resp: 61971  
Ion Ratio Lower Upper  
128 100  
129 11.1 8.6 13.0  
127 13.4 10.8 16.2

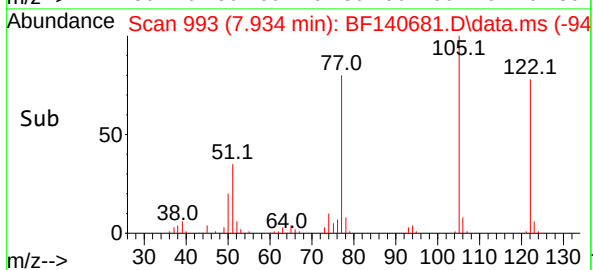
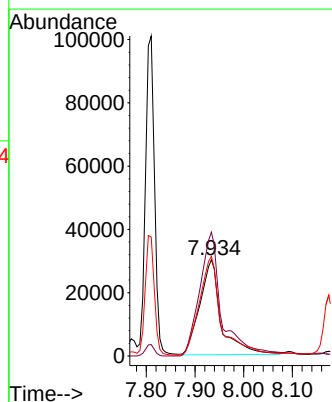
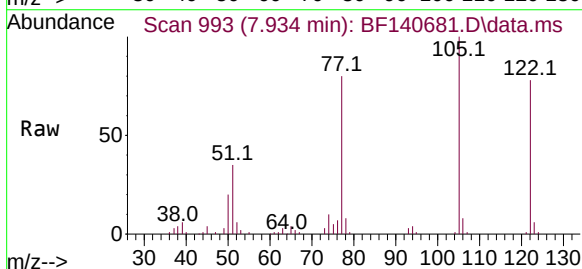
Manual Integrations  
APPROVED

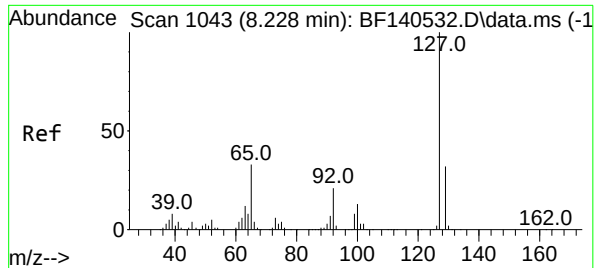
Reviewed By :Yogesh Patel 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024



#32  
Benzoic acid  
Concen: 34.616 ng  
RT: 7.934 min Scan# 993  
Delta R.T. -0.005 min  
Lab File: BF140681.D  
Acq: 02 Dec 2024 10:22

Tgt Ion:122 Resp: 91308  
Ion Ratio Lower Upper  
122 100  
105 128.7 109.3 149.3  
77 103.5 82.3 122.3





#33

4-Chloroaniline

Concen: 42.251 ng

RT: 8.228 min Scan# 1043

Delta R.T. 0.000 min

Lab File: BF140681.D

Acq: 02 Dec 2024 10:22

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

Tgt Ion:127 Resp: 19783

Ion Ratio Lower Upper

127 100

129 32.8 26.0 39.0

65 30.9 26.0 39.0

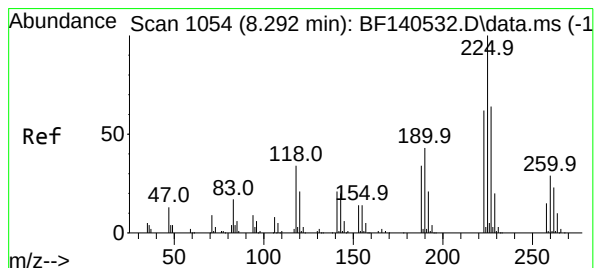
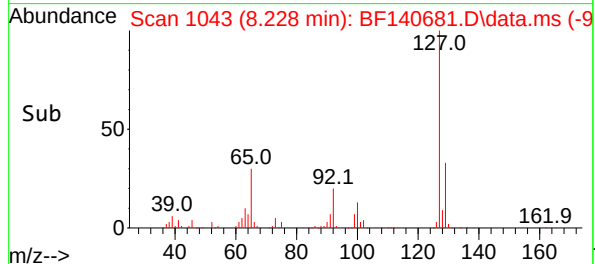
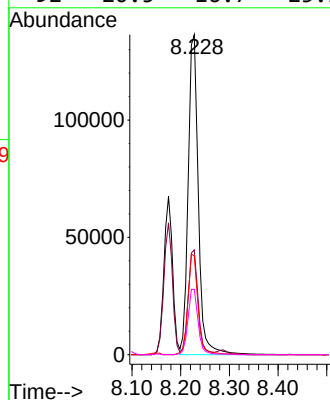
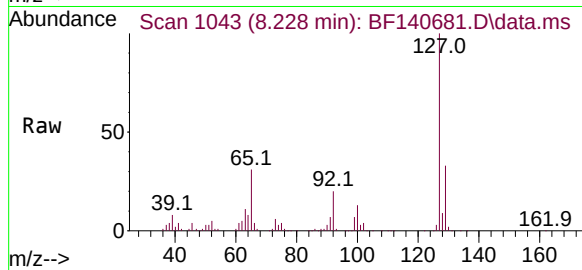
92 20.5 16.7 25.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/03/2024

Supervised By :mohammad ahmed 12/05/2024



#34

Hexachlorobutadiene

Concen: 39.335 ng

RT: 8.287 min Scan# 1053

Delta R.T. -0.006 min

Lab File: BF140681.D

Acq: 02 Dec 2024 10:22

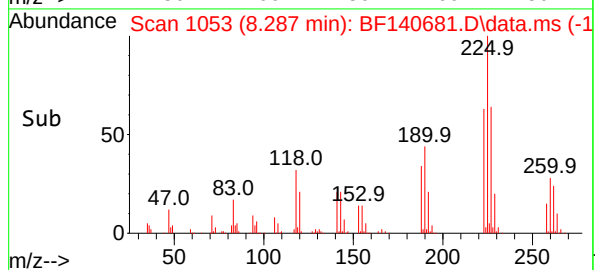
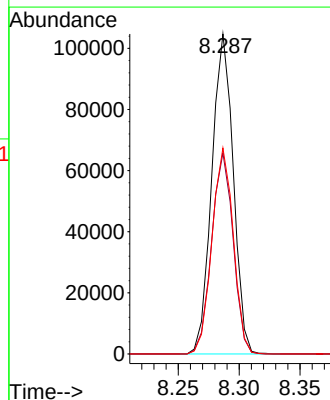
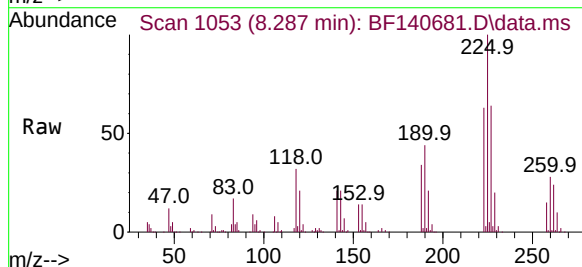
Tgt Ion:225 Resp: 128217

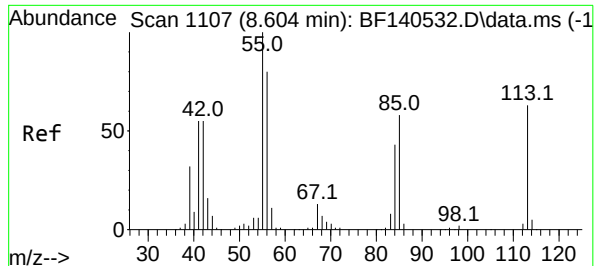
Ion Ratio Lower Upper

225 100

223 62.8 49.8 74.8

227 64.3 51.3 76.9





#35

Caprolactam

Concen: 40.334 ng

RT: 8.598 min Scan# 1106

Delta R.T. -0.006 min

Lab File: BF140681.D

Acq: 02 Dec 2024 10:22

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

Tgt Ion:113 Resp: 5380

Ion Ratio Lower Upper

113 100

55 159.0 137.7 177.7

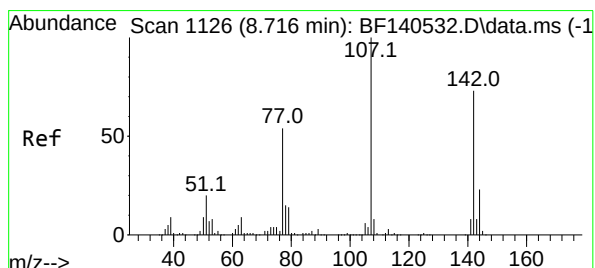
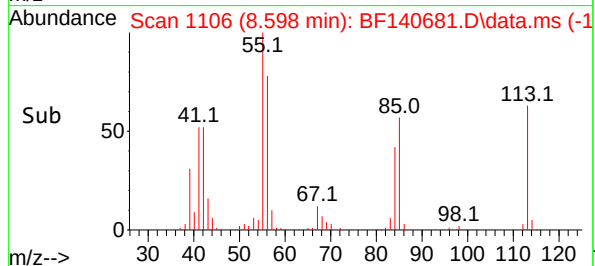
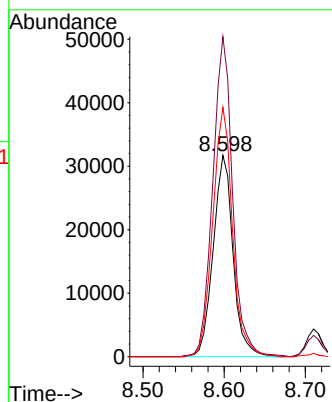
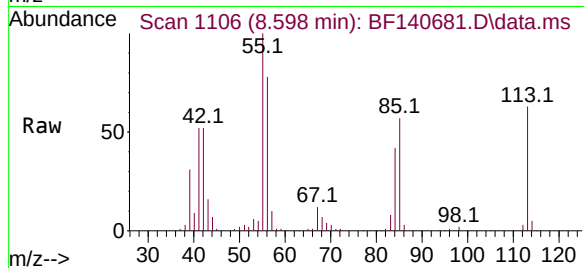
56 123.9 106.4 146.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/03/2024

Supervised By :mohammad ahmed 12/05/2024



#36

4-Chloro-3-methylphenol

Concen: 39.440 ng

RT: 8.710 min Scan# 1125

Delta R.T. -0.006 min

Lab File: BF140681.D

Acq: 02 Dec 2024 10:22

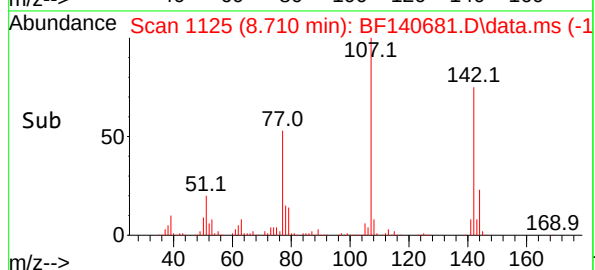
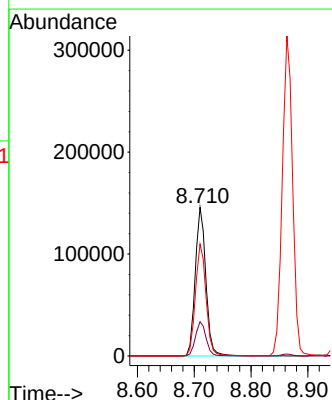
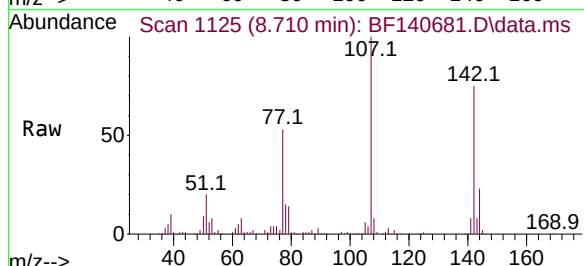
Tgt Ion:107 Resp: 190334

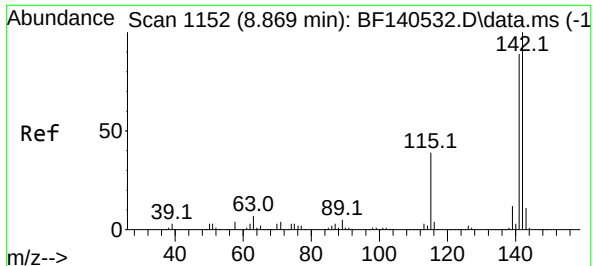
Ion Ratio Lower Upper

107 100

144 23.1 18.7 28.1

142 75.3 58.3 87.5





#37  
2-Methylnaphthalene  
Concen: 40.053 ng  
RT: 8.863 min Scan# 1151  
Delta R.T. -0.006 min  
Lab File: BF140681.D  
Acq: 02 Dec 2024 10:22

Instrument :

BNA\_F

ClientSampleId :

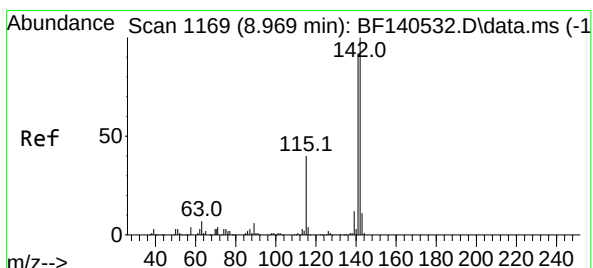
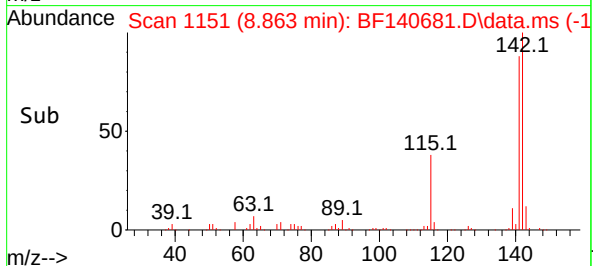
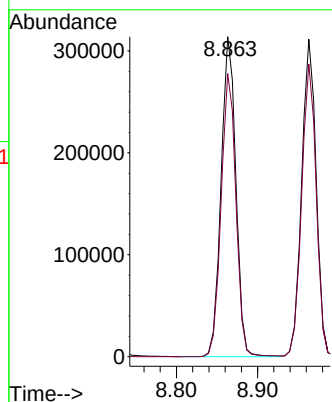
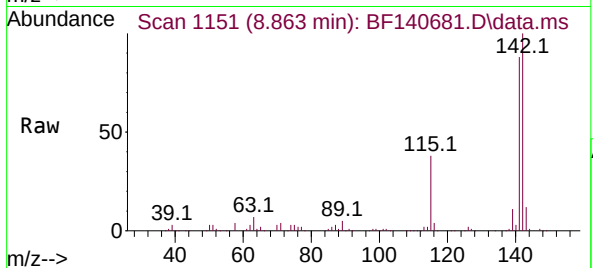
SSTDCCC040

Tgt Ion:142 Resp: 39785  
Ion Ratio Lower Upper  
142 100  
141 88.5 71.0 106.6

Manual Integrations

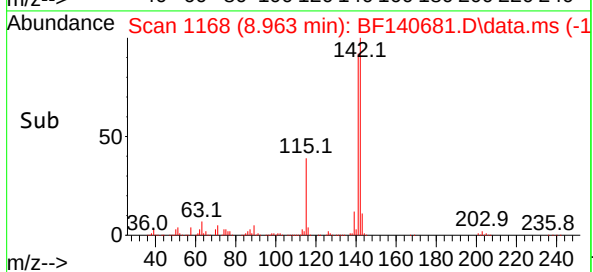
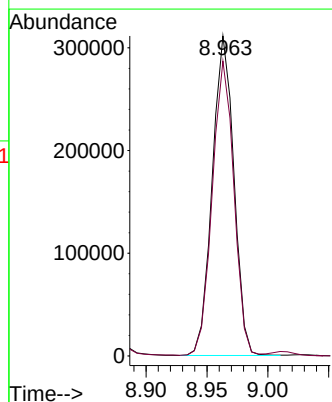
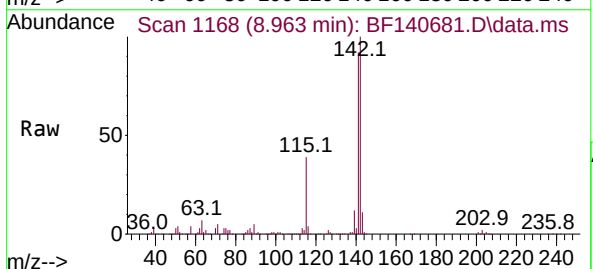
APPROVED

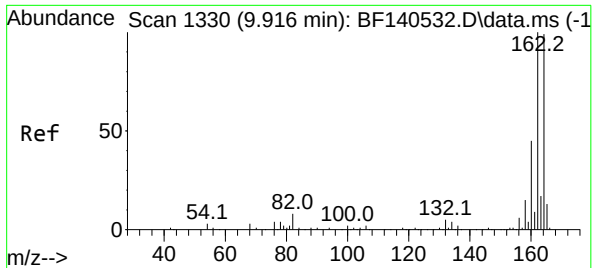
Reviewed By :Yogesh Patel 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024



#38  
1-Methylnaphthalene  
Concen: 39.495 ng  
RT: 8.963 min Scan# 1168  
Delta R.T. -0.006 min  
Lab File: BF140681.D  
Acq: 02 Dec 2024 10:22

Tgt Ion:142 Resp: 384537  
Ion Ratio Lower Upper  
142 100  
141 92.2 73.3 109.9





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.910 min Scan# 1179

Delta R.T. -0.006 min

Lab File: BF140681.D

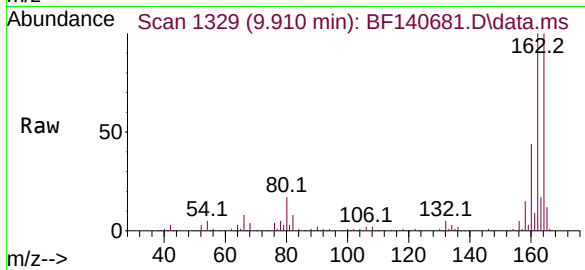
Acq: 02 Dec 2024 10:22

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040



Tgt Ion:164 Resp: 170338

Ion Ratio Lower Upper

164 100

162 100.4 80.6 120.8

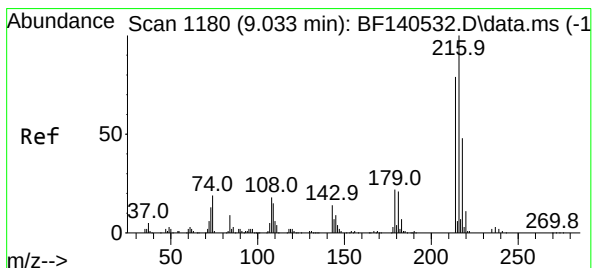
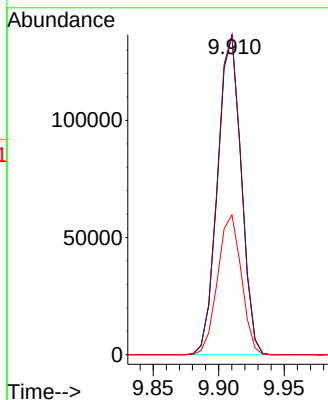
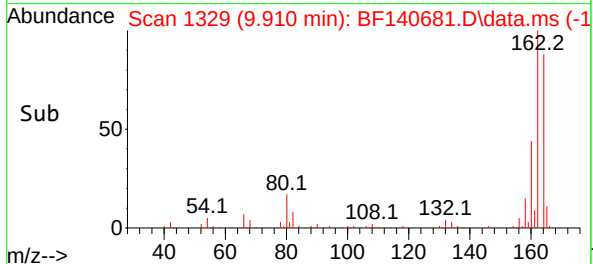
160 43.9 36.2 54.4

Manual Integrations

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Reviewed By :Yogesh Patel 12/03/2024

Supervised By :mohammad ahmed 12/05/2024



#40

1,2,4,5-Tetrachlorobenzene

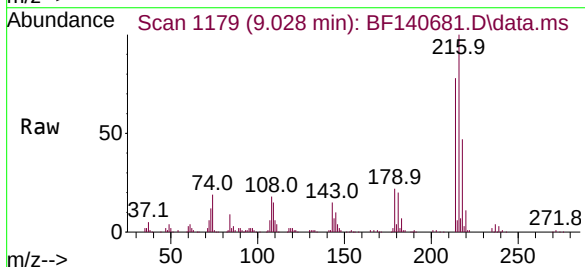
Concen: 39.254 ng

RT: 9.028 min Scan# 1179

Delta R.T. -0.006 min

Lab File: BF140681.D

Acq: 02 Dec 2024 10:22



Tgt Ion:216 Resp: 195747

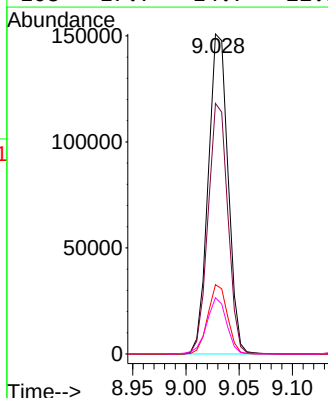
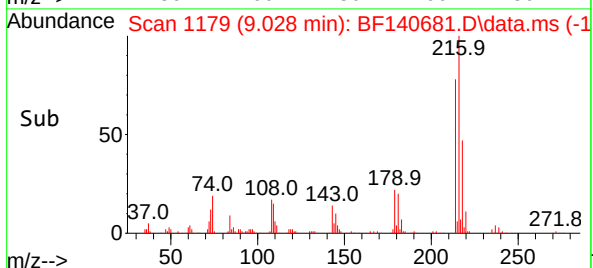
Ion Ratio Lower Upper

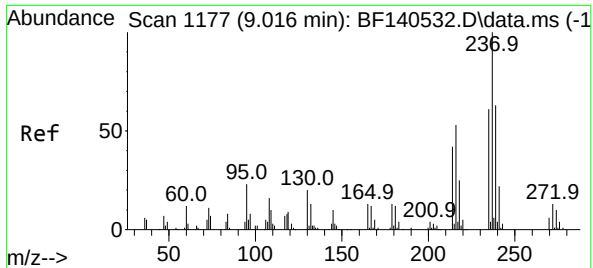
216 100

214 78.0 63.0 94.4

179 21.3 17.5 26.3

108 17.7 14.7 22.1





#41

Hexachlorocyclopentadiene

Concen: 39.441 ng

RT: 9.016 min Scan# 1177

Delta R.T. -0.000 min

Lab File: BF140681.D

Acq: 02 Dec 2024 10:22

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

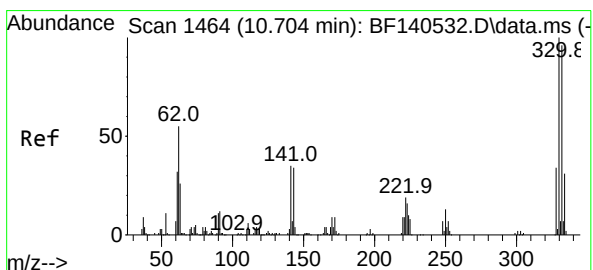
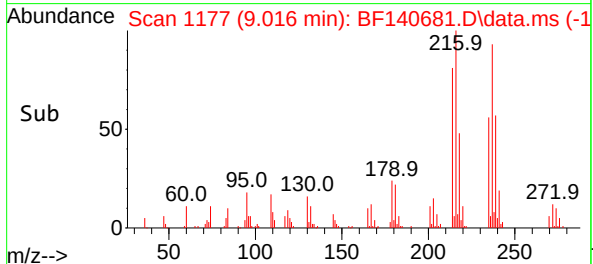
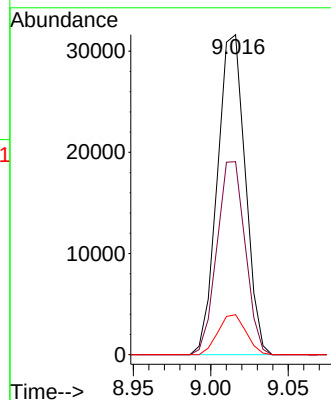
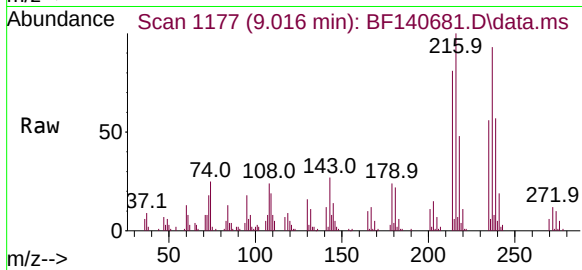
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 237   | Resp: | 39649 |
| Ion Ratio | Lower | Upper |       |
| 237       | 100   |       |       |
| 235       | 60.3  | 41.1  | 81.1  |
| 272       | 12.5  | 0.0   | 32.6  |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/03/2024

Supervised By :mohammad ahmed 12/05/2024



#42

2,4,6-Tribromophenol

Concen: 78.824 ng

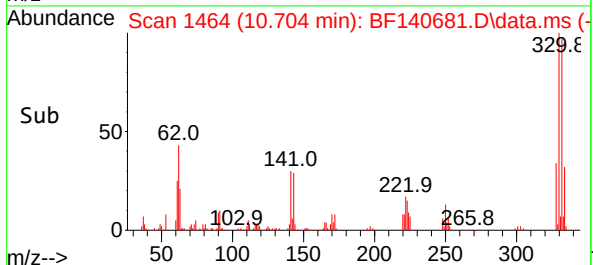
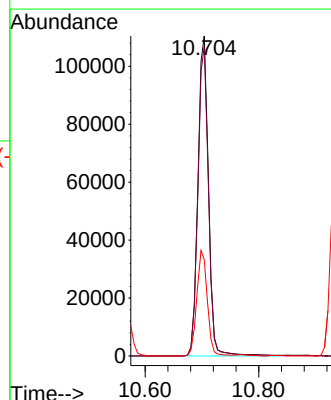
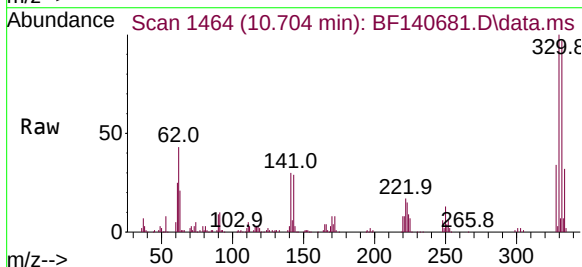
RT: 10.704 min Scan# 1464

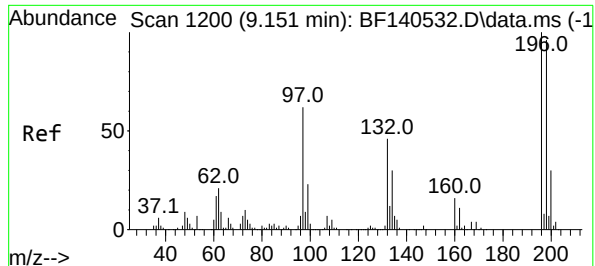
Delta R.T. 0.000 min

Lab File: BF140681.D

Acq: 02 Dec 2024 10:22

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 330   | Resp: | 143600 |
| Ion Ratio | Lower | Upper |        |
| 330       | 100   |       |        |
| 332       | 96.4  | 76.9  | 115.3  |
| 141       | 32.8  | 26.7  | 40.1   |





#43

2,4,6-Trichlorophenol

Concen: 38.903 ng

RT: 9.145 min Scan# 1199

Delta R.T. -0.006 min

Lab File: BF140681.D

Acq: 02 Dec 2024 10:22

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

Tgt Ion:196 Resp: 121729

Ion Ratio Lower Upper

196 100

198 95.3 76.8 115.2

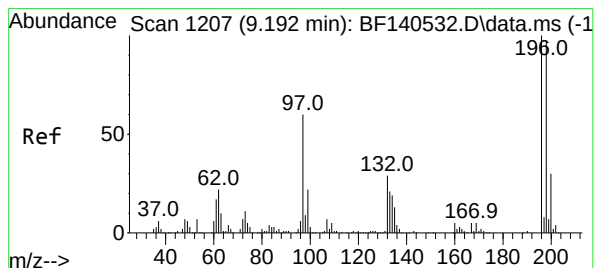
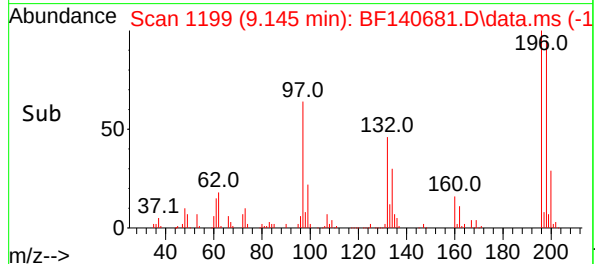
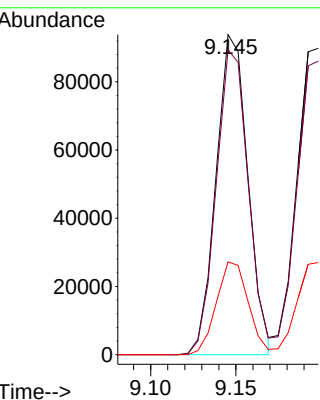
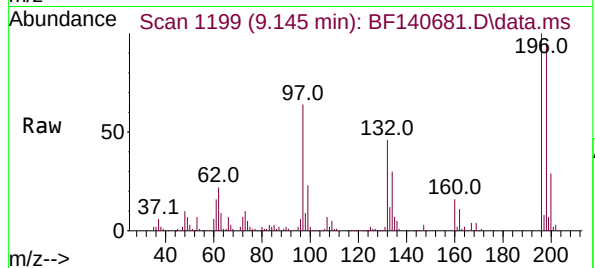
200 29.0 24.3 36.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/03/2024

Supervised By :mohammad ahmed 12/05/2024



#44

2,4,5-Trichlorophenol

Concen: 39.418 ng

RT: 9.198 min Scan# 1208

Delta R.T. 0.006 min

Lab File: BF140681.D

Acq: 02 Dec 2024 10:22

Tgt Ion:196 Resp: 133861

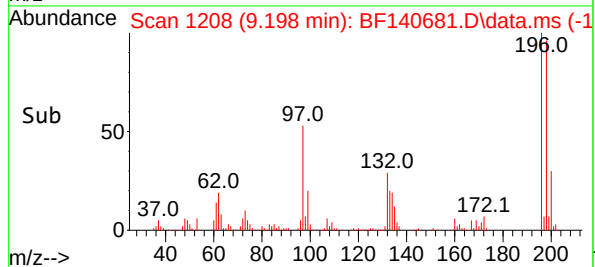
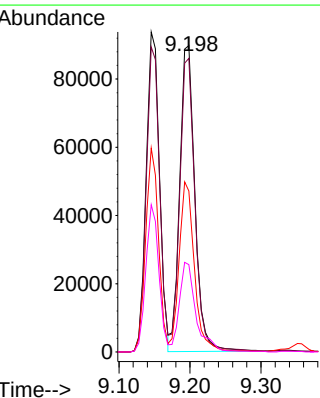
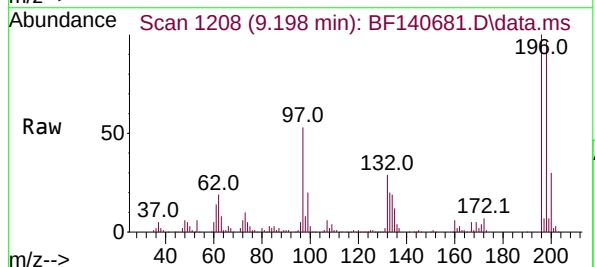
Ion Ratio Lower Upper

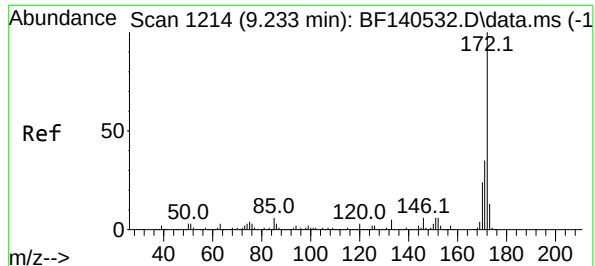
196 100

198 95.8 77.2 115.8

97 52.5 47.1 70.7

132 28.5 24.1 36.1





#45

2-Fluorobiphenyl

Concen: 77.648 ng

RT: 9.228 min Scan# 1213

Delta R.T. -0.006 min

Lab File: BF140681.D

Acq: 02 Dec 2024 10:22

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

Tgt Ion:172 Resp: 88771

Ion Ratio Lower Upper

172 100

171 35.1 28.4 42.6

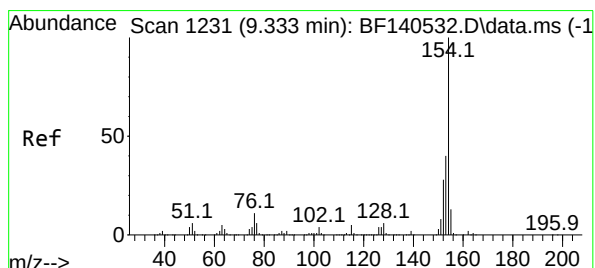
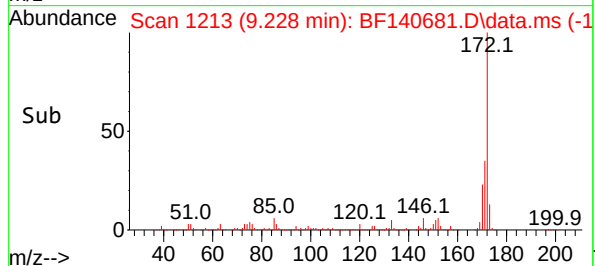
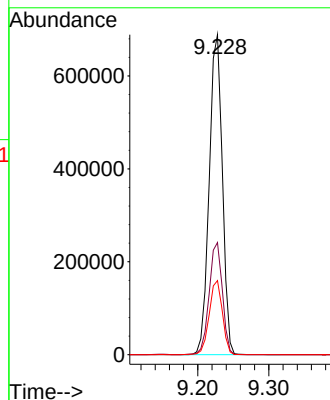
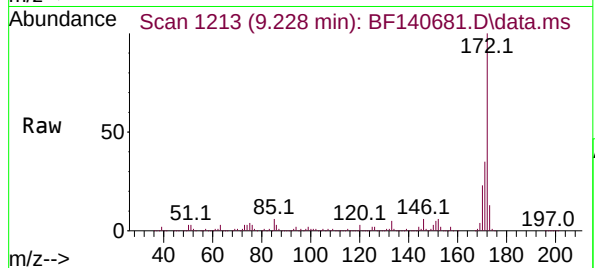
170 23.2 19.0 28.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/03/2024

Supervised By :mohammad ahmed 12/05/2024



#46

1,1'-Biphenyl

Concen: 39.480 ng

RT: 9.328 min Scan# 1230

Delta R.T. -0.006 min

Lab File: BF140681.D

Acq: 02 Dec 2024 10:22

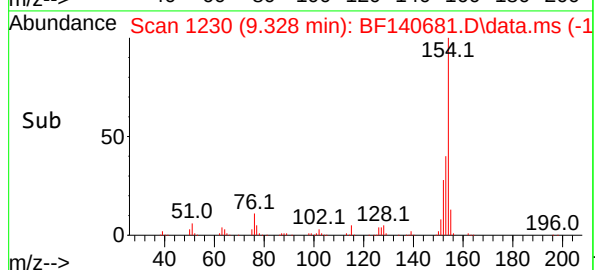
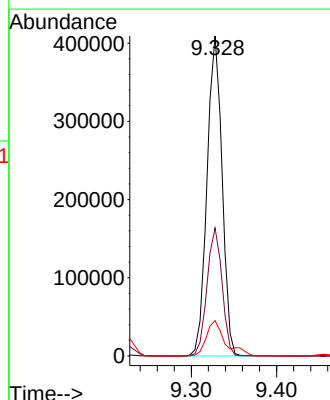
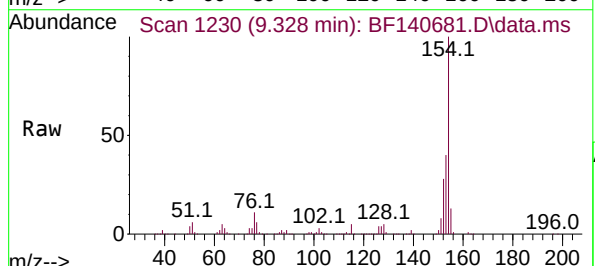
Tgt Ion:154 Resp: 502088

Ion Ratio Lower Upper

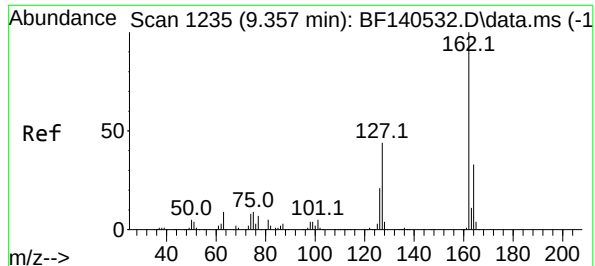
154 100

153 40.0 20.4 60.4

76 11.1 0.0 31.2







#47

2-Chloronaphthalene

Concen: 39.690 ng

RT: 9.357 min Scan# 1235

Delta R.T. 0.000 min

Lab File: BF140681.D

Acq: 02 Dec 2024 10:22

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

Tgt Ion:162 Resp: 38247

Ion Ratio Lower Upper

162 100

127 42.9 35.7 53.5

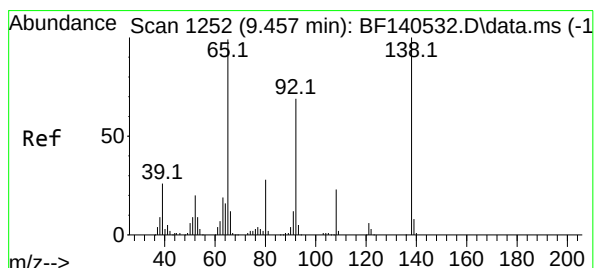
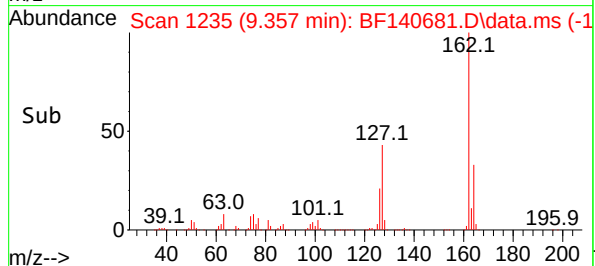
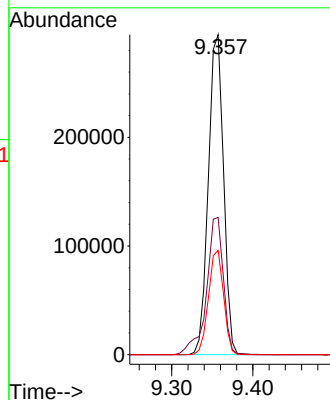
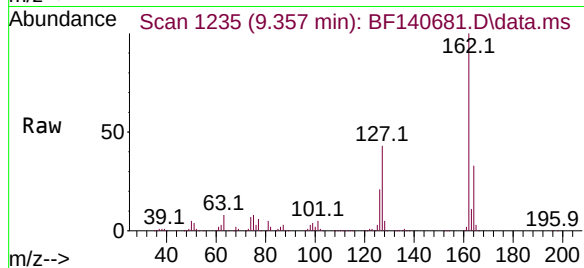
164 32.6 26.1 39.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/03/2024

Supervised By :mohammad ahmed 12/05/2024



#48

2-Nitroaniline

Concen: 39.310 ng

RT: 9.457 min Scan# 1252

Delta R.T. 0.000 min

Lab File: BF140681.D

Acq: 02 Dec 2024 10:22

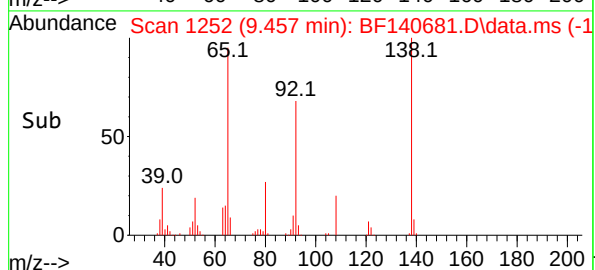
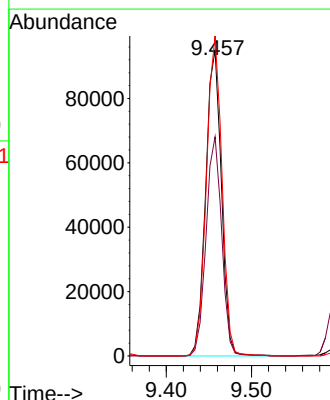
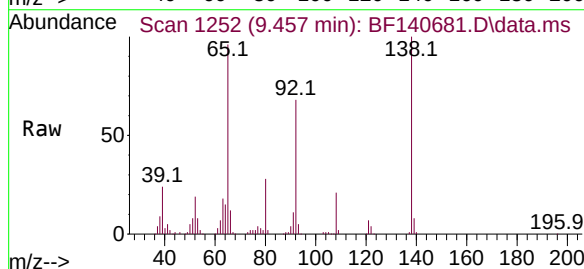
Tgt Ion: 65 Resp: 121591

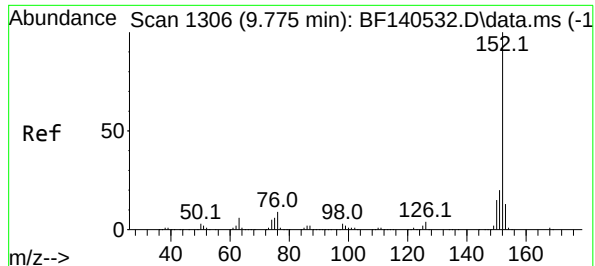
Ion Ratio Lower Upper

65 100

92 71.7 56.1 84.1

138 104.6 81.0 121.6





#49

Acenaphthylene

Concen: 39.157 ng

RT: 9.769 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF140681.D

Acq: 02 Dec 2024 10:22

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

Tgt Ion:152 Resp: 570128

Ion Ratio Lower Upper

152 100

151 20.2 15.9 23.9

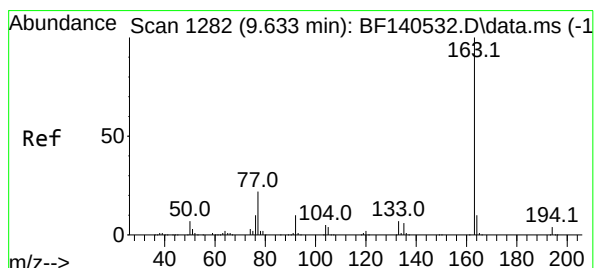
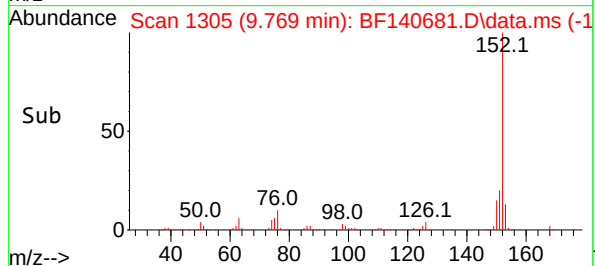
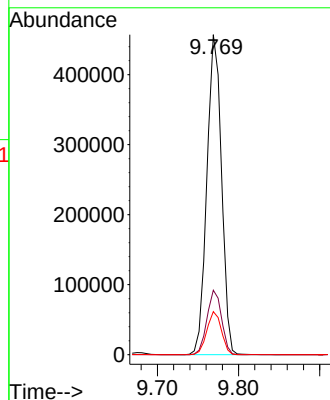
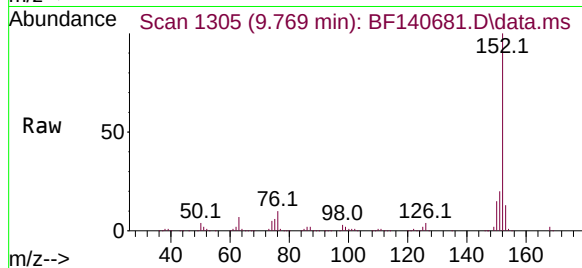
153 13.4 10.6 16.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/03/2024

Supervised By :mohammad ahmed 12/05/2024



#50

Dimethylphthalate

Concen: 38.837 ng

RT: 9.628 min Scan# 1281

Delta R.T. -0.006 min

Lab File: BF140681.D

Acq: 02 Dec 2024 10:22

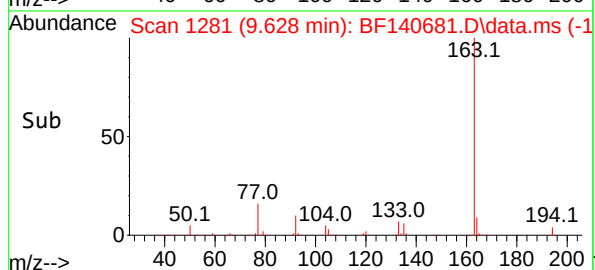
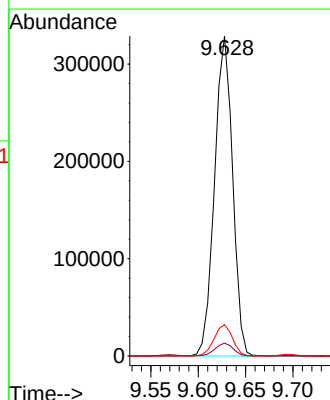
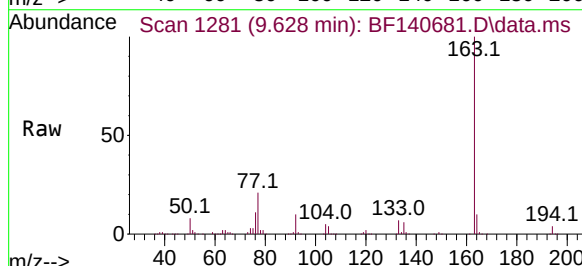
Tgt Ion:163 Resp: 435690

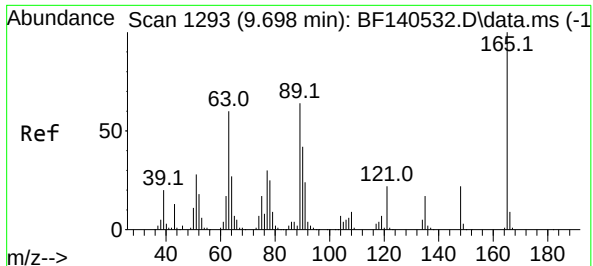
Ion Ratio Lower Upper

163 100

194 4.0 3.1 4.7

164 9.8 8.2 12.2





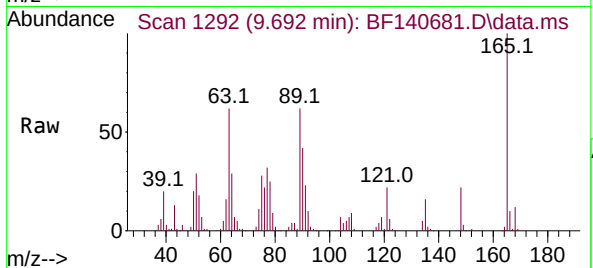
#51  
2,6-Dinitrotoluene  
Concen: 39.791 ng  
RT: 9.692 min Scan# 1293  
Delta R.T. -0.006 min  
Lab File: BF140681.D  
Acq: 02 Dec 2024 10:22

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

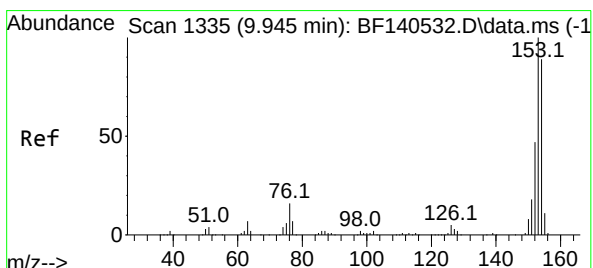
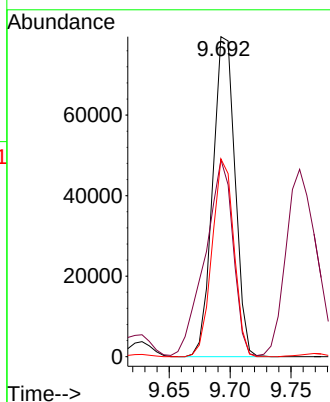
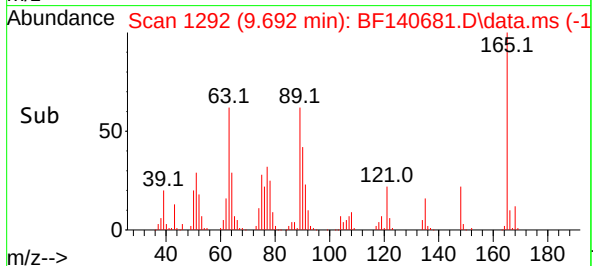


Tgt Ion:165 Resp: 101239  
Ion Ratio Lower Upper  
165 100  
63 61.5 49.9 74.9  
89 61.8 50.9 76.3

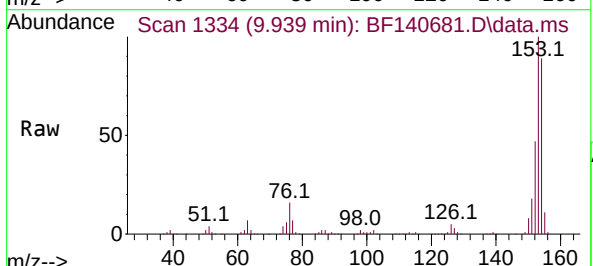
Manual Integrations

APPROVED

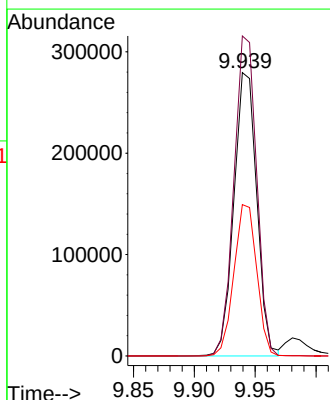
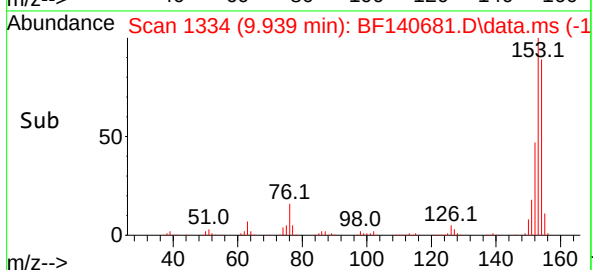
Reviewed By :Yogesh Patel 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024

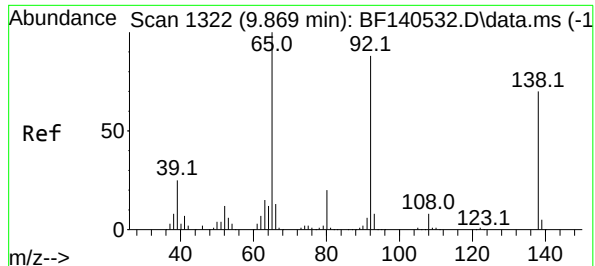


#52  
Acenaphthene  
Concen: 39.516 ng  
RT: 9.939 min Scan# 1334  
Delta R.T. -0.006 min  
Lab File: BF140681.D  
Acq: 02 Dec 2024 10:22



Tgt Ion:154 Resp: 365569  
Ion Ratio Lower Upper  
154 100  
153 112.9 89.7 134.5  
152 53.4 42.5 63.7





#53

3-Nitroaniline

Concen: 40.697 ng

RT: 9.869 min Scan# 1322

Delta R.T. 0.000 min

Lab File: BF140681.D

Acq: 02 Dec 2024 10:22

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

Tgt Ion:138 Resp: 10127

Ion Ratio Lower Upper

138 100

108 10.8 9.2 13.8

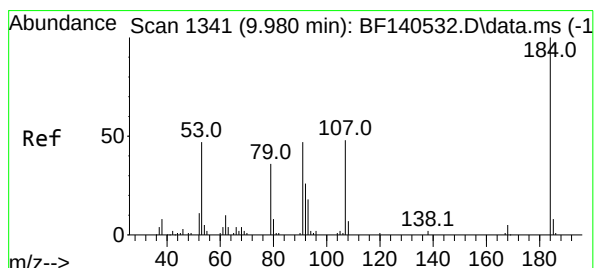
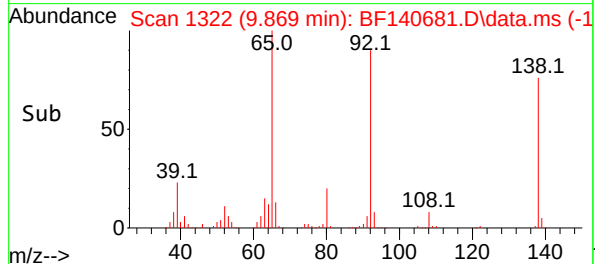
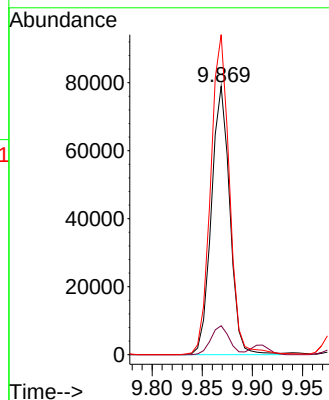
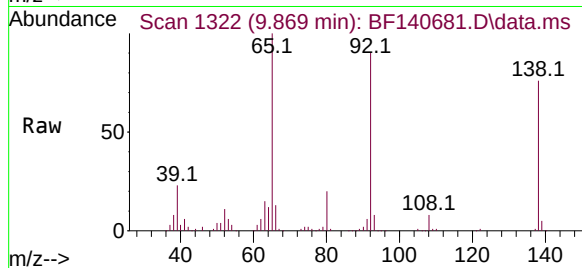
92 119.3 100.6 150.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/03/2024

Supervised By :mohammad ahmed 12/05/2024



#54

2,4-Dinitrophenol

Concen: 35.042 ng

RT: 9.981 min Scan# 1341

Delta R.T. 0.001 min

Lab File: BF140681.D

Acq: 02 Dec 2024 10:22

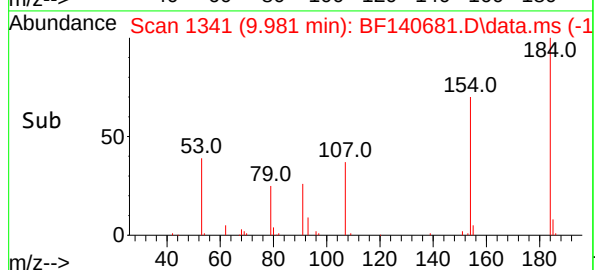
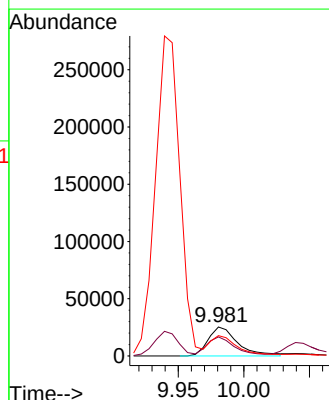
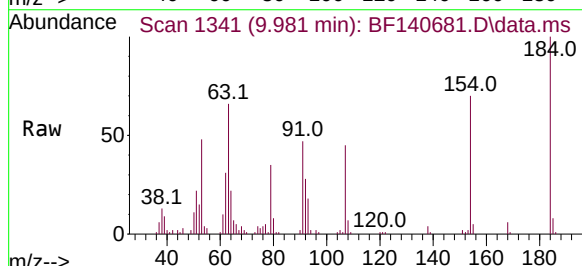
Tgt Ion:184 Resp: 39753

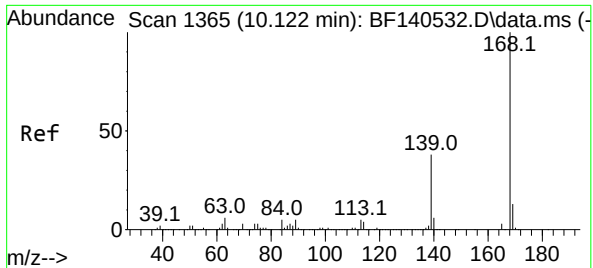
Ion Ratio Lower Upper

184 100

63 65.7 54.1 81.1

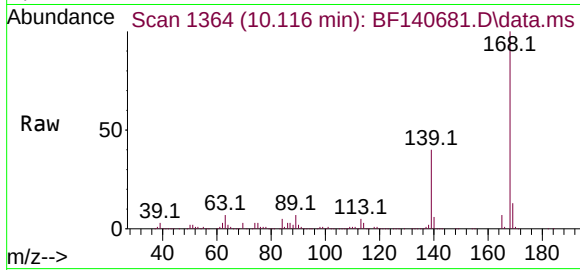
154 70.4 57.4 86.0





#55  
Dibenzenofuran  
Concen: 39.170 ng  
RT: 10.116 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF140681.D  
Acq: 02 Dec 2024 10:22

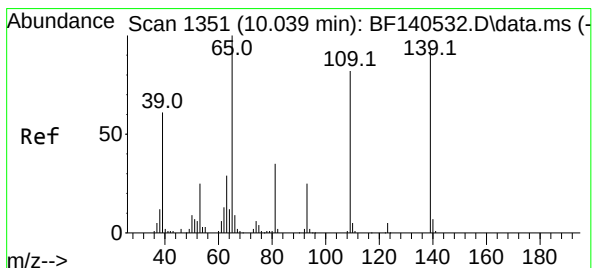
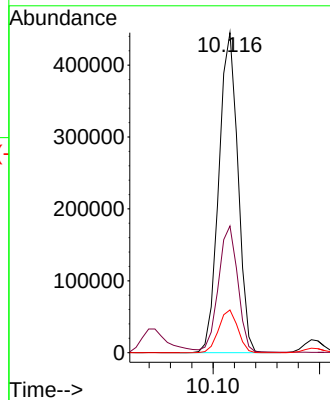
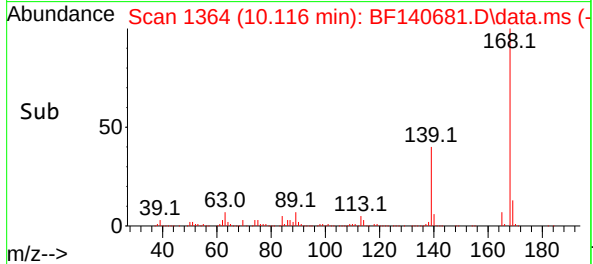
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040



Tgt Ion:168 Resp: 552732  
Ion Ratio Lower Upper  
168 100  
139 39.6 31.3 46.9  
169 13.3 10.5 15.7

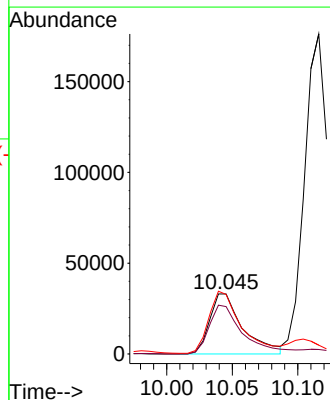
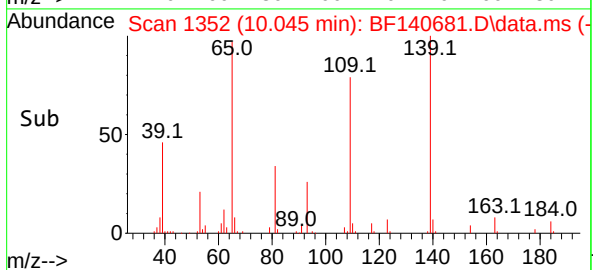
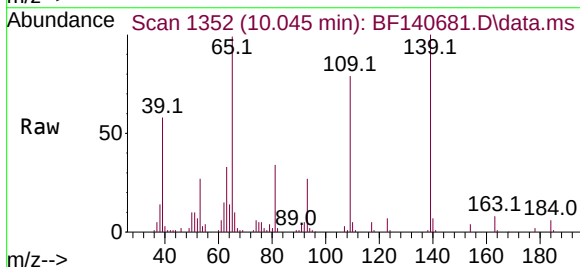
Manual Integrations  
**APPROVED**

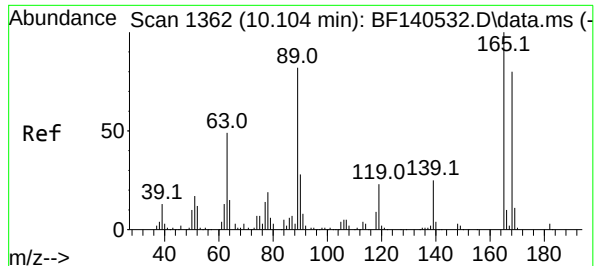
Reviewed By :Yogesh Patel 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024



#56  
4-Nitrophenol  
Concen: 34.381 ng  
RT: 10.045 min Scan# 1352  
Delta R.T. 0.006 min  
Lab File: BF140681.D  
Acq: 02 Dec 2024 10:22

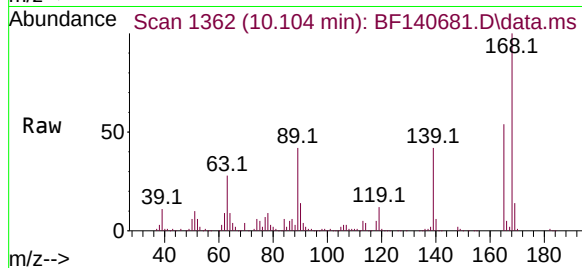
Tgt Ion:139 Resp: 58348  
Ion Ratio Lower Upper  
139 100  
109 78.8 68.4 108.4  
65 99.2 88.6 128.6





#57  
2,4-Dinitrotoluene  
Concen: 40.854 ng  
RT: 10.104 min Scan# 1362  
Delta R.T. 0.000 min  
Lab File: BF140681.D  
Acq: 02 Dec 2024 10:22

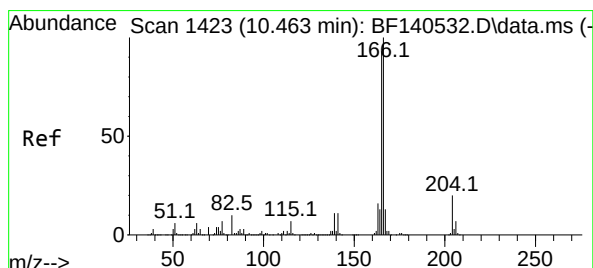
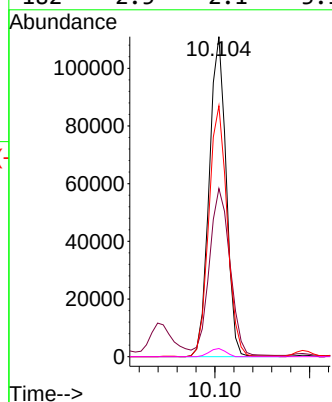
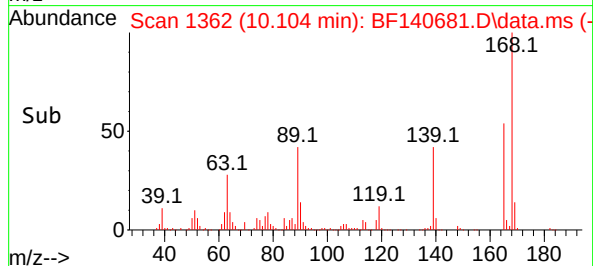
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040



Tgt Ion:165 Resp: 13814  
Ion Ratio Lower Upper  
165 100  
63 52.5 41.7 62.5  
89 78.4 65.8 98.8  
182 2.5 2.1 3.1

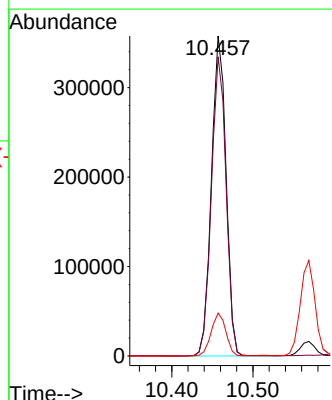
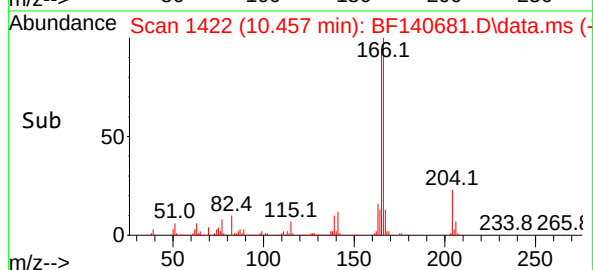
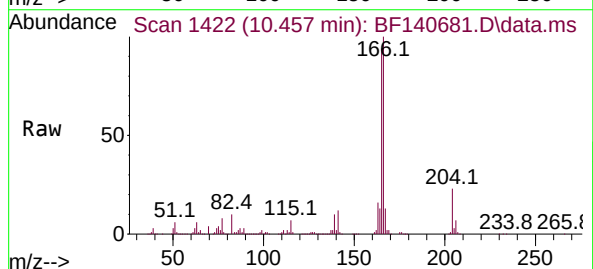
Manual Integrations  
APPROVED

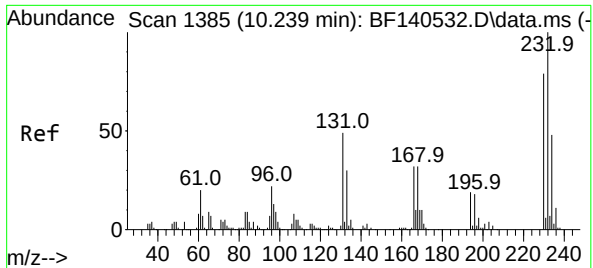
Reviewed By :Yogesh Patel 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024



#58  
Fluorene  
Concen: 39.467 ng  
RT: 10.457 min Scan# 1422  
Delta R.T. -0.006 min  
Lab File: BF140681.D  
Acq: 02 Dec 2024 10:22

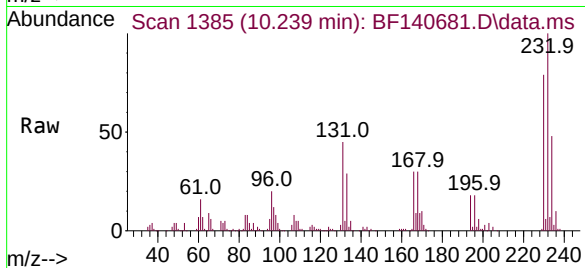
Tgt Ion:166 Resp: 447025  
Ion Ratio Lower Upper  
166 100  
165 93.5 74.6 111.8  
167 13.4 10.6 16.0





#59  
2,3,4,6-Tetrachlorophenol  
Concen: 38.989 ng  
RT: 10.239 min Scan# 1385  
Delta R.T. 0.000 min  
Lab File: BF140681.D  
Acq: 02 Dec 2024 10:22

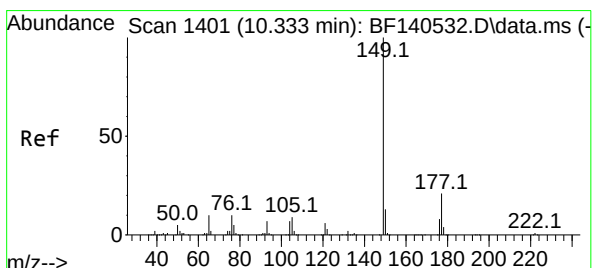
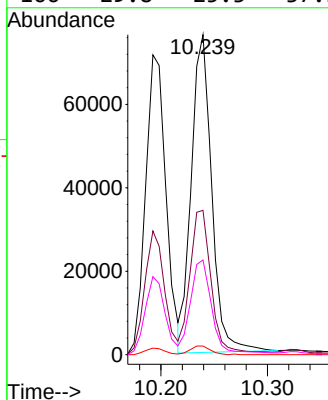
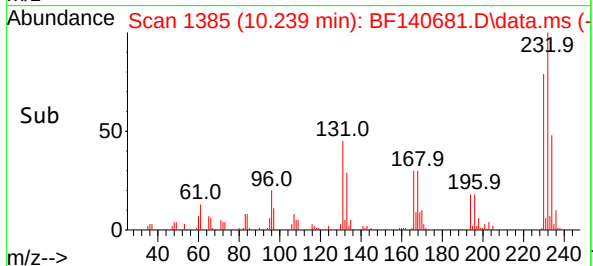
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040



Tgt Ion:232 Resp: 10175  
Ion Ratio Lower Upper  
232 100  
131 47.5 39.6 59.4  
130 2.8 1.9 2.9  
166 29.8 25.3 37.9

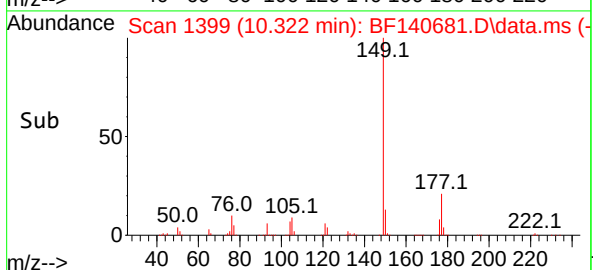
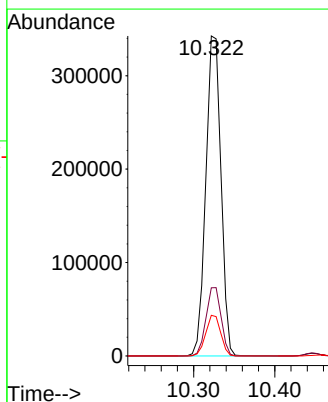
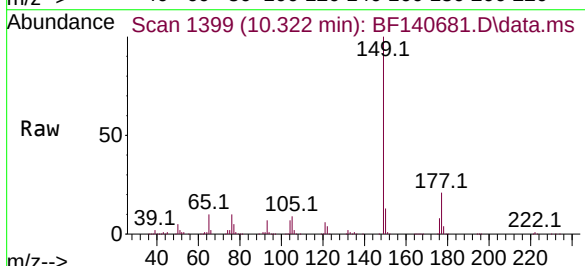
Manual Integrations  
APPROVED

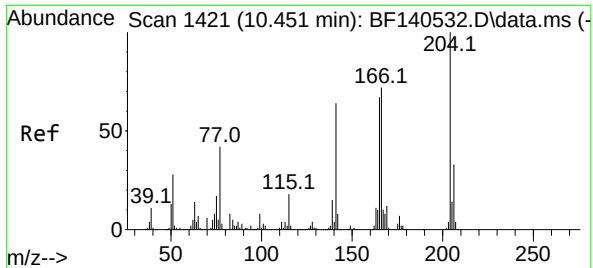
Reviewed By :Yogesh Patel 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024



#60  
Diethylphthalate  
Concen: 38.859 ng  
RT: 10.322 min Scan# 1399  
Delta R.T. -0.012 min  
Lab File: BF140681.D  
Acq: 02 Dec 2024 10:22

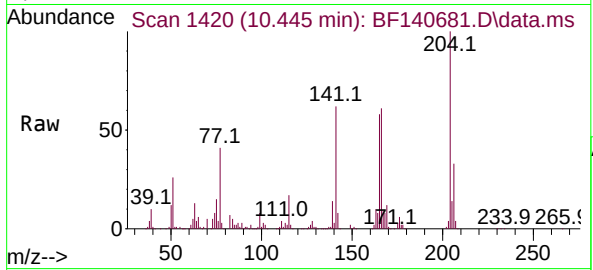
Tgt Ion:149 Resp: 442920  
Ion Ratio Lower Upper  
149 100  
177 21.3 17.1 25.7  
150 12.7 10.1 15.1





#61  
4-Chlorophenyl-phenylether  
Concen: 39.860 ng  
RT: 10.445 min Scan# 1421  
Delta R.T. -0.006 min  
Lab File: BF140681.D  
Acq: 02 Dec 2024 10:22

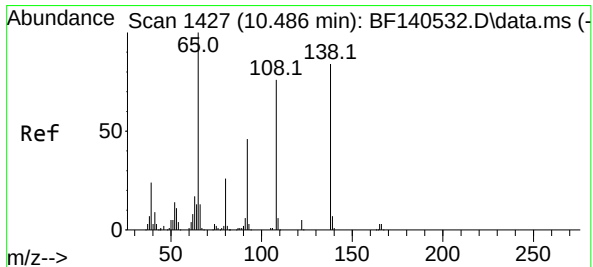
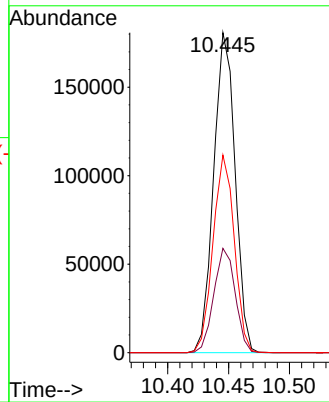
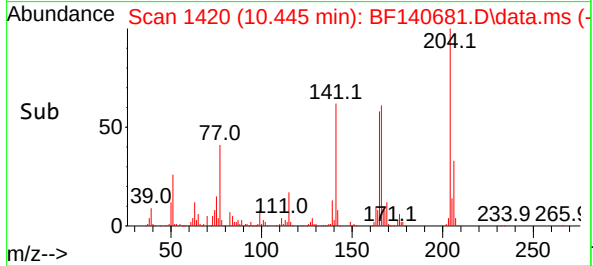
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040



Tgt Ion:204 Resp: 22156  
Ion Ratio Lower Upper  
204 100  
206 32.6 26.6 40.0  
141 61.8 51.1 76.7

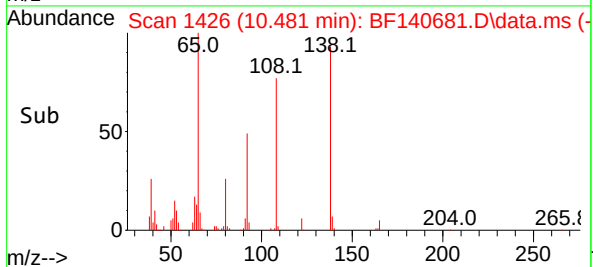
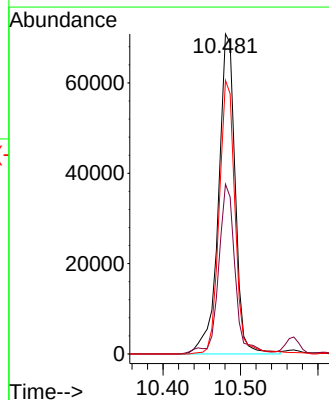
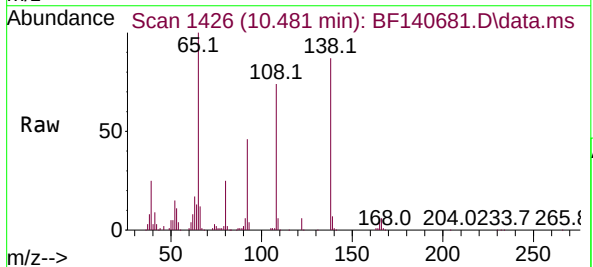
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024

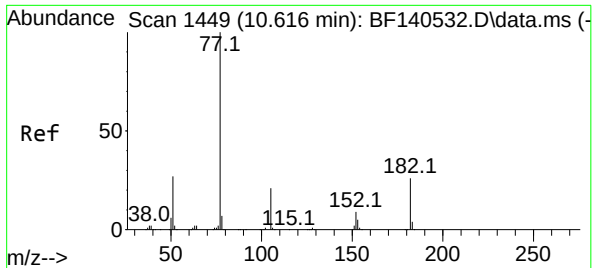


#62  
4-Nitroaniline  
Concen: 40.706 ng  
RT: 10.481 min Scan# 1426  
Delta R.T. -0.006 min  
Lab File: BF140681.D  
Acq: 02 Dec 2024 10:22

Tgt Ion:138 Resp: 106239  
Ion Ratio Lower Upper  
138 100  
92 53.0 34.5 74.5  
108 85.5 70.6 110.6

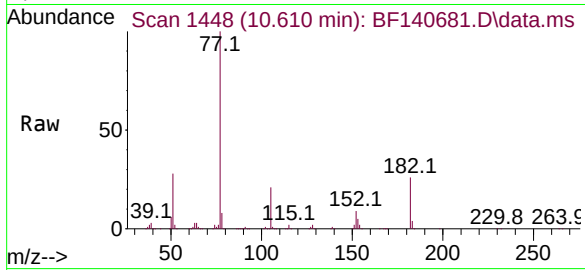






#63  
Azobenzene  
Concen: 39.095 ng  
RT: 10.610 min Scan# 1449  
Delta R.T. -0.006 min  
Lab File: BF140681.D  
Acq: 02 Dec 2024 10:22

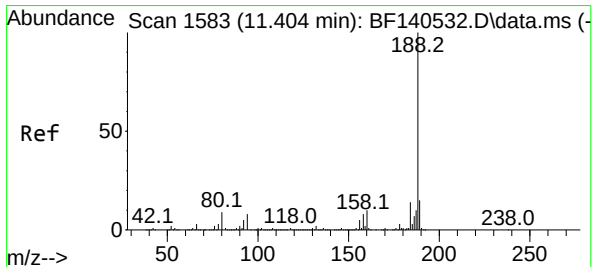
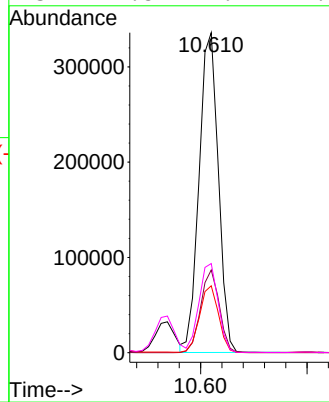
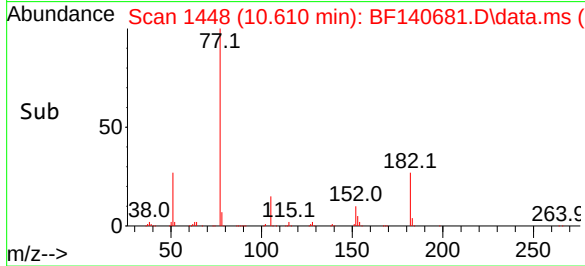
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040



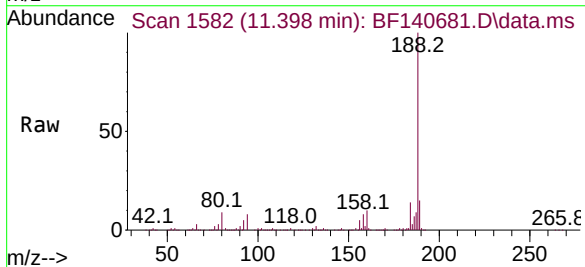
Tgt Ion: 77 Resp: 42199  
Ion Ratio Lower Upper  
77 100  
182 25.8 5.3 45.3  
105 20.9 0.3 40.3  
51 27.8 9.4 49.4

Manual Integrations  
APPROVED

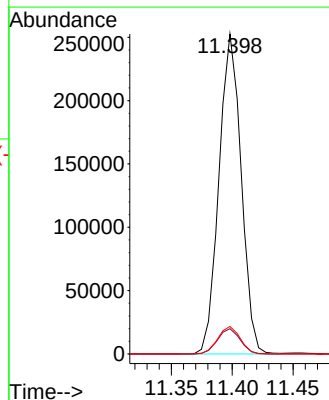
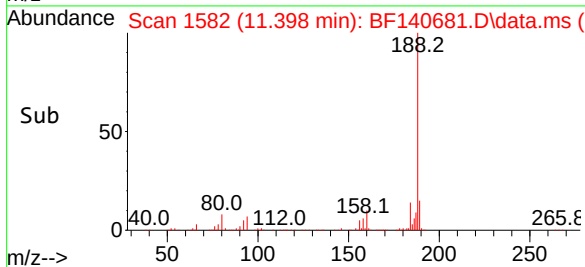
Reviewed By :Yogesh Patel 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024

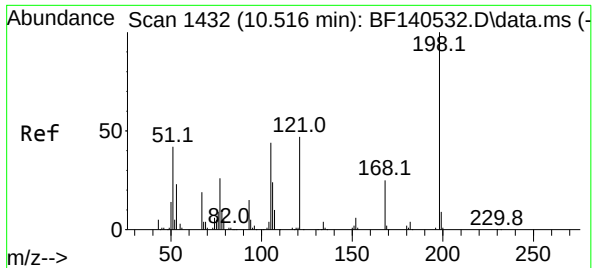


#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.398 min Scan# 1582  
Delta R.T. -0.006 min  
Lab File: BF140681.D  
Acq: 02 Dec 2024 10:22



Tgt Ion:188 Resp: 321182  
Ion Ratio Lower Upper  
188 100  
94 7.9 6.4 9.6  
80 8.6 6.9 10.3





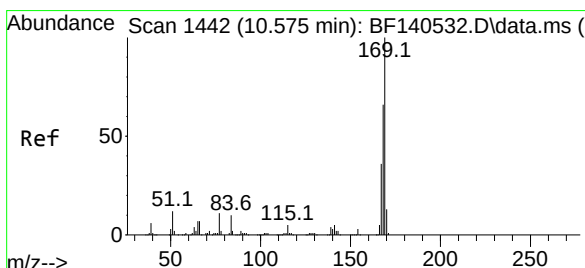
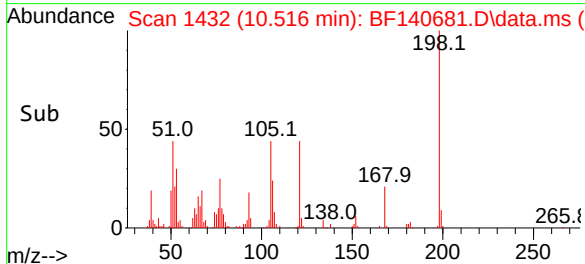
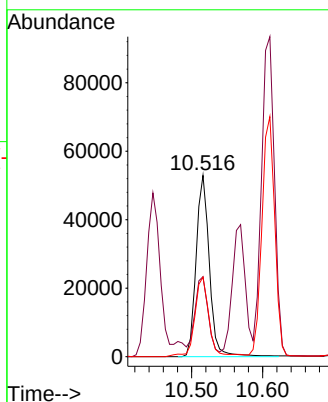
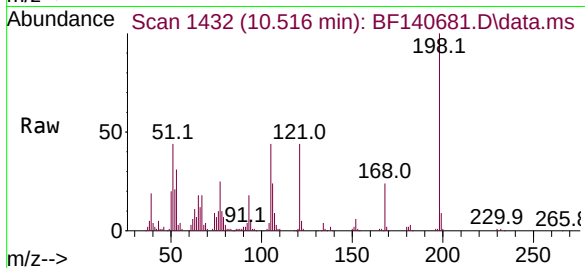
#65  
4,6-Dinitro-2-methylphenol  
Concen: 42.032 ng  
RT: 10.516 min Scan# 1432  
Delta R.T. -0.000 min  
Lab File: BF140681.D  
Acq: 02 Dec 2024 10:22

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

Tgt Ion:198 Resp: 68980  
Ion Ratio Lower Upper  
198 100  
51 44.1 29.4 69.4  
105 43.8 25.4 65.4

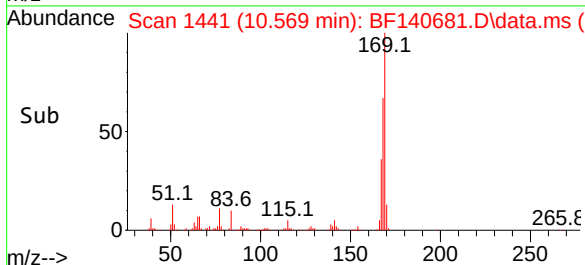
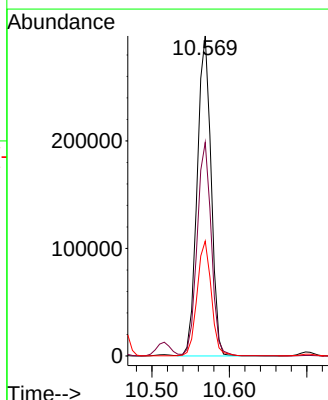
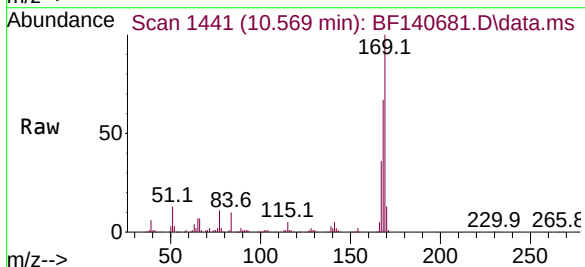
Manual Integrations  
APPROVED

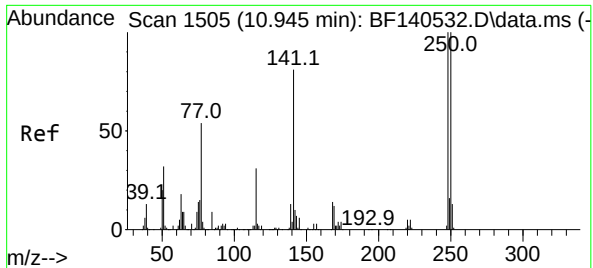
Reviewed By :Yogesh Patel 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024



#66  
n-Nitrosodiphenylamine  
Concen: 39.004 ng  
RT: 10.569 min Scan# 1441  
Delta R.T. -0.006 min  
Lab File: BF140681.D  
Acq: 02 Dec 2024 10:22

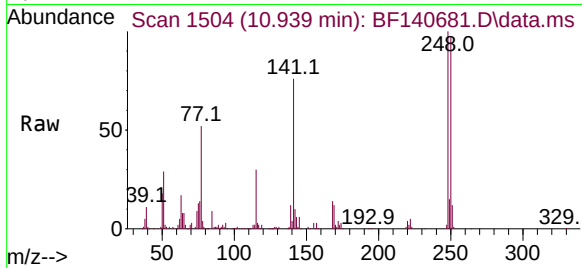
Tgt Ion:169 Resp: 370469  
Ion Ratio Lower Upper  
169 100  
168 66.7 53.2 79.8  
167 35.9 29.0 43.6





#67  
4-Bromophenyl-phenylether  
Concen: 39.735 ng  
RT: 10.939 min Scan# 1504  
Delta R.T. -0.006 min  
Lab File: BF140681.D  
Acq: 02 Dec 2024 10:22

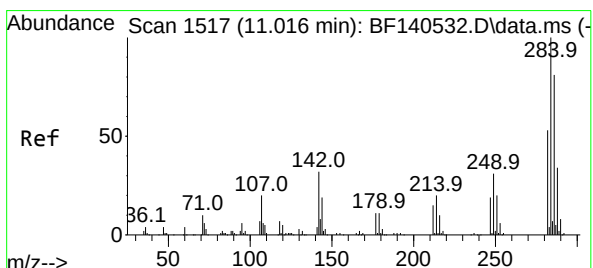
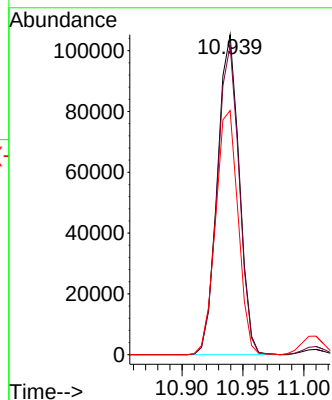
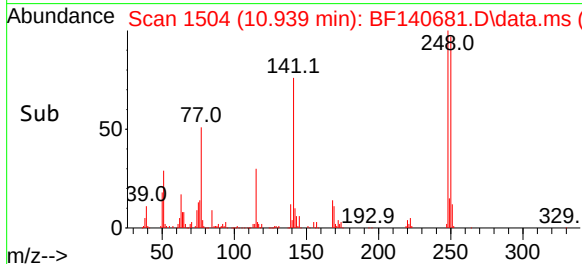
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040



Tgt Ion:248 Resp: 131430  
Ion Ratio Lower Upper  
248 100  
250 96.7 79.8 119.8  
141 76.3 64.7 97.1

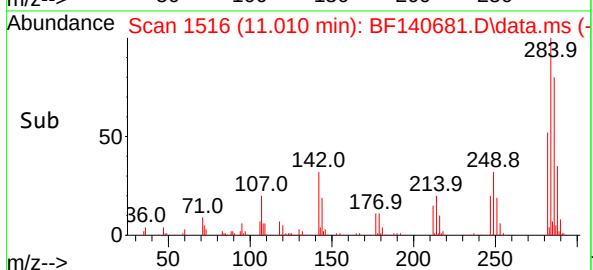
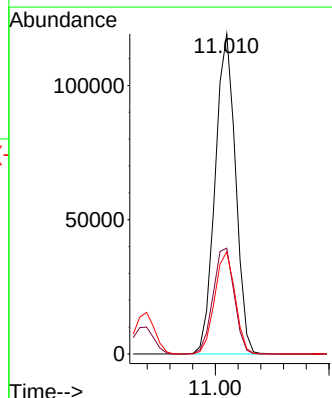
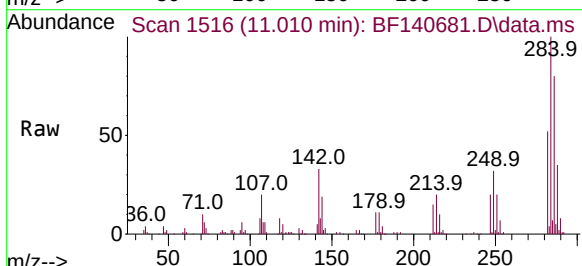
Manual Integrations  
APPROVED

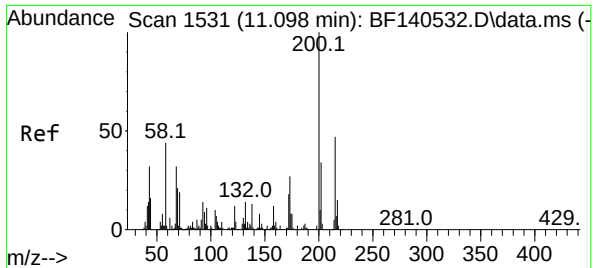
Reviewed By :Yogesh Patel 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024



#68  
Hexachlorobenzene  
Concen: 38.740 ng  
RT: 11.010 min Scan# 1516  
Delta R.T. -0.006 min  
Lab File: BF140681.D  
Acq: 02 Dec 2024 10:22

Tgt Ion:284 Resp: 148373  
Ion Ratio Lower Upper  
284 100  
142 33.1 25.3 37.9  
249 31.9 24.8 37.2





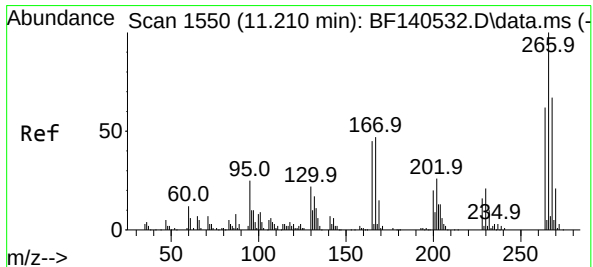
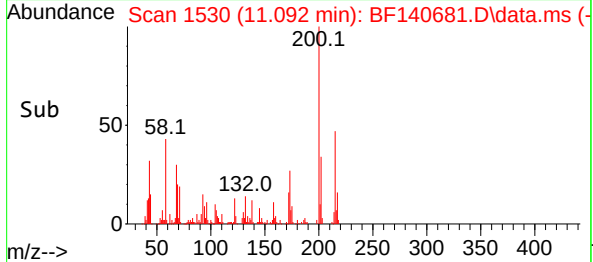
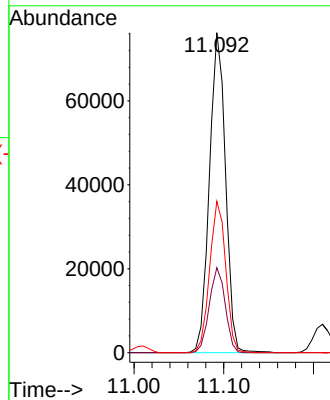
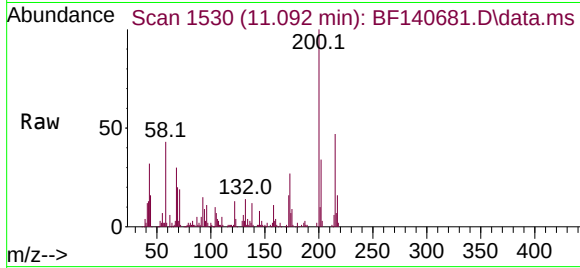
#69  
Atrazine  
Concen: 35.580 ng  
RT: 11.092 min Scan# 1109  
Delta R.T. -0.006 min  
Lab File: BF140681.D  
Acq: 02 Dec 2024 10:22

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

Tgt Ion:200 Resp: 9507  
Ion Ratio Lower Upper  
200 100  
173 26.5 7.0 47.0  
215 47.3 26.7 66.7

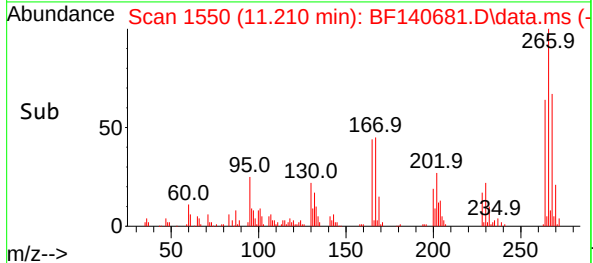
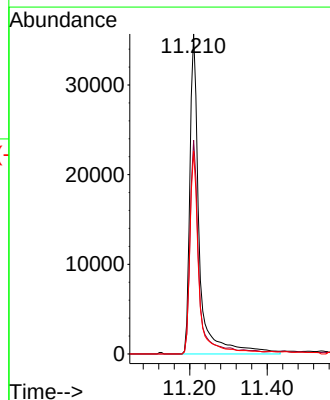
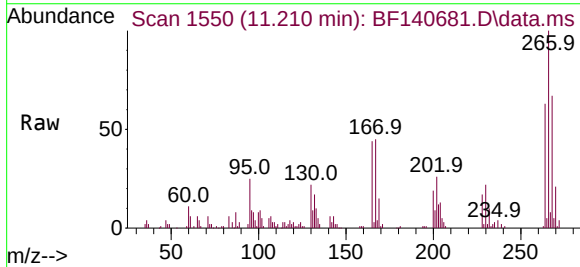
Manual Integrations  
**APPROVED**

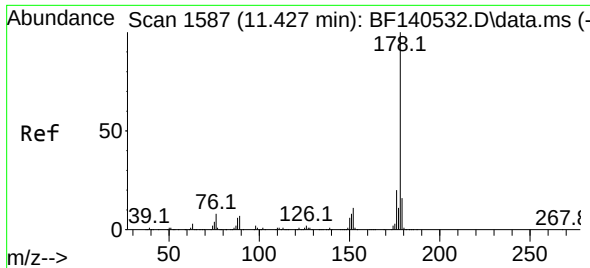
Reviewed By :Yogesh Patel 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024



#70  
Pentachlorophenol  
Concen: 36.131 ng  
RT: 11.210 min Scan# 1550  
Delta R.T. -0.000 min  
Lab File: BF140681.D  
Acq: 02 Dec 2024 10:22

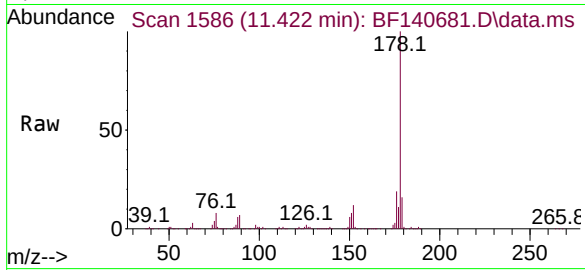
Tgt Ion:266 Resp: 60904  
Ion Ratio Lower Upper  
266 100  
268 66.8 53.7 80.5  
264 63.3 49.8 74.8





#71  
Phenanthrene  
Concen: 39.392 ng  
RT: 11.422 min Scan# 1586  
Delta R.T. -0.006 min  
Lab File: BF140681.D  
Acq: 02 Dec 2024 10:22

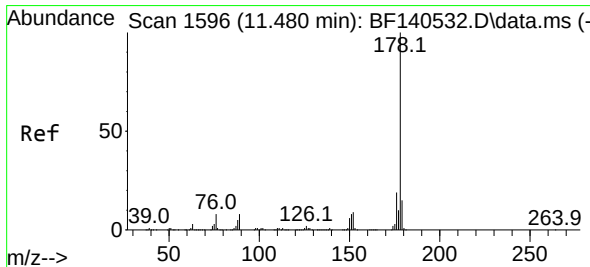
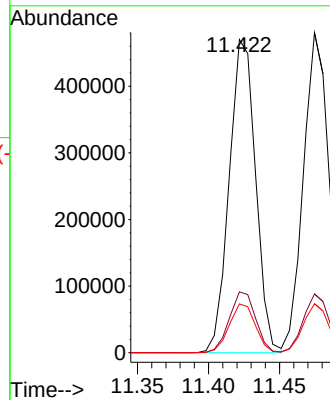
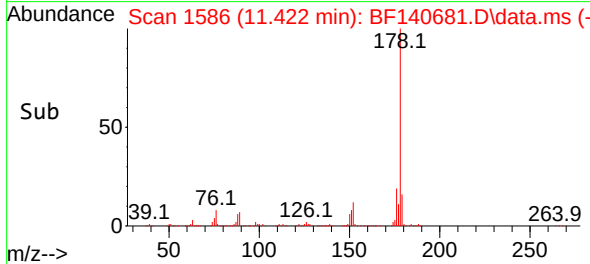
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040



Tgt Ion:178 Resp: 60817  
Ion Ratio Lower Upper  
178 100  
176 19.4 15.8 23.6  
179 15.6 12.4 18.6

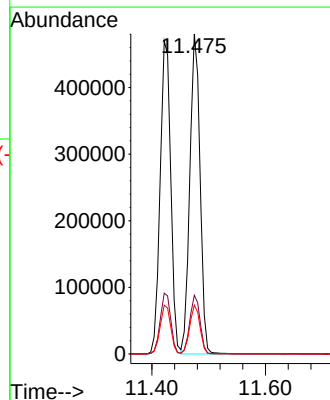
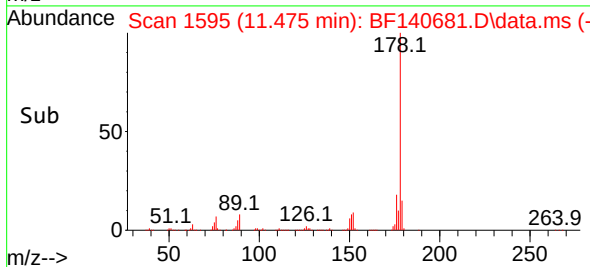
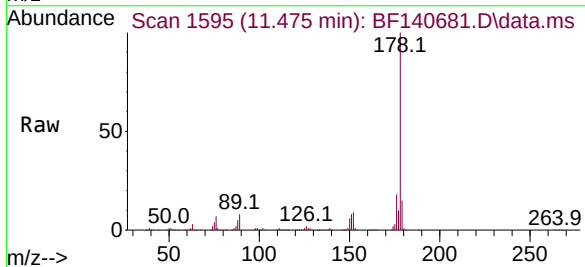
Manual Integrations  
APPROVED

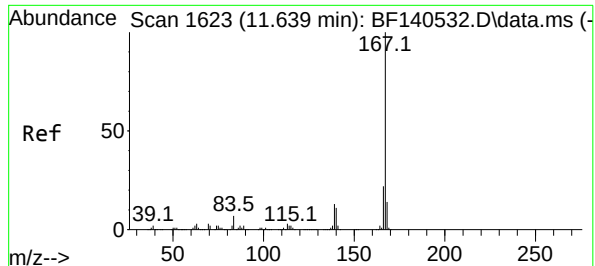
Reviewed By :Yogesh Patel 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024



#72  
Anthracene  
Concen: 39.774 ng  
RT: 11.475 min Scan# 1595  
Delta R.T. -0.006 min  
Lab File: BF140681.D  
Acq: 02 Dec 2024 10:22

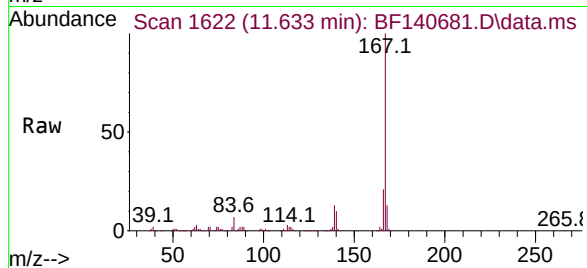
Tgt Ion:178 Resp: 600668  
Ion Ratio Lower Upper  
178 100  
176 18.4 15.0 22.4  
179 15.3 12.2 18.4





#73  
Carbazole  
Concen: 40.242 ng  
RT: 11.633 min Scan# 1622  
Delta R.T. -0.006 min  
Lab File: BF140681.D  
Acq: 02 Dec 2024 10:22

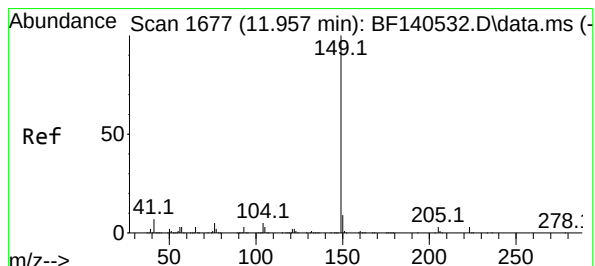
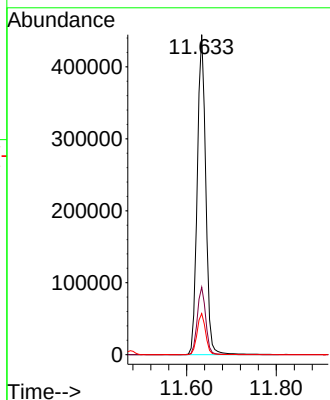
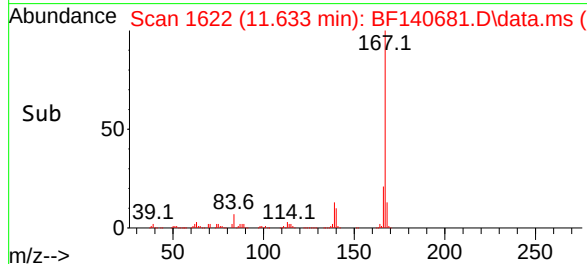
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040



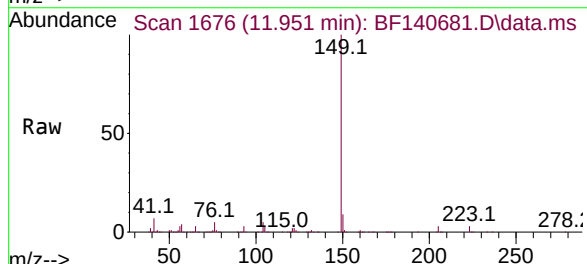
Tgt Ion:167 Resp: 584648  
Ion Ratio Lower Upper  
167 100  
166 21.1 17.2 25.8  
139 12.9 10.6 15.8

Manual Integrations  
APPROVED

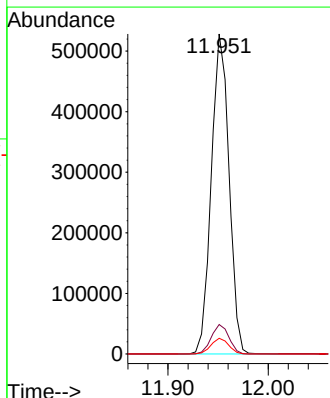
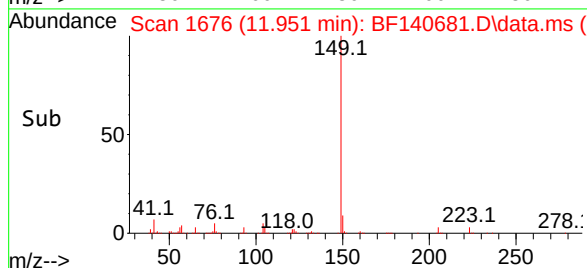
Reviewed By :Yogesh Patel 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024

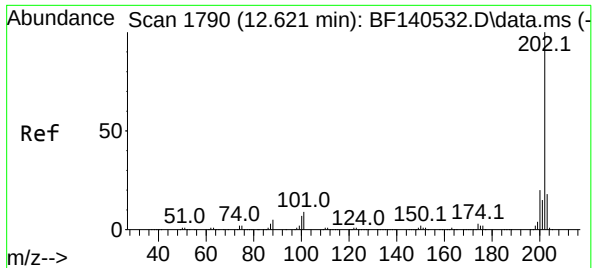


#74  
Di-n-butylphthalate  
Concen: 38.680 ng  
RT: 11.951 min Scan# 1676  
Delta R.T. -0.006 min  
Lab File: BF140681.D  
Acq: 02 Dec 2024 10:22



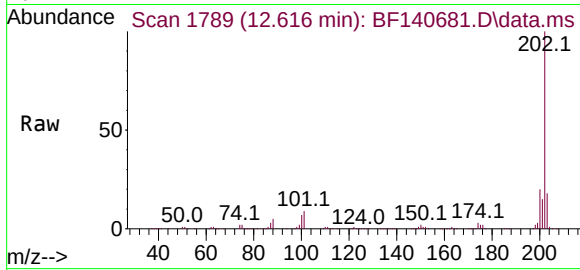
Tgt Ion:149 Resp: 648784  
Ion Ratio Lower Upper  
149 100  
150 9.2 7.5 11.3  
104 4.9 4.1 6.1





#75  
Fluoranthene  
Concen: 40.355 ng  
RT: 12.616 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF140681.D  
Acq: 02 Dec 2024 10:22

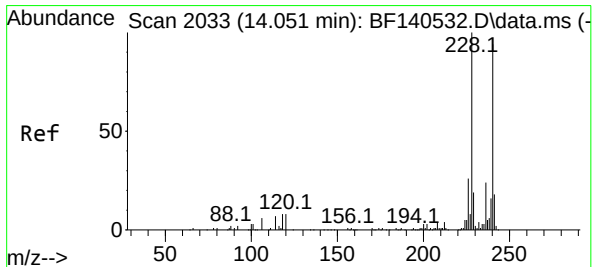
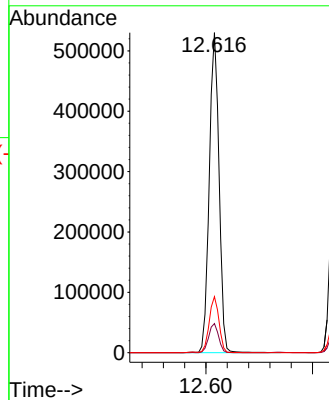
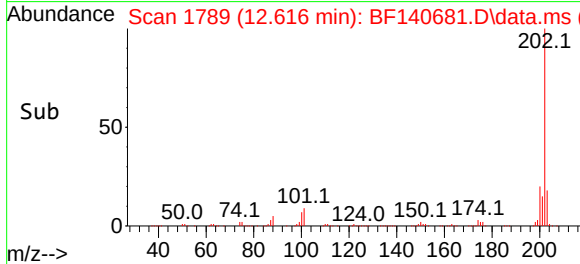
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040



Tgt Ion:202 Resp: 67645  
Ion Ratio Lower Upper  
202 100  
101 9.1 0.0 28.9  
203 17.5 0.0 37.6

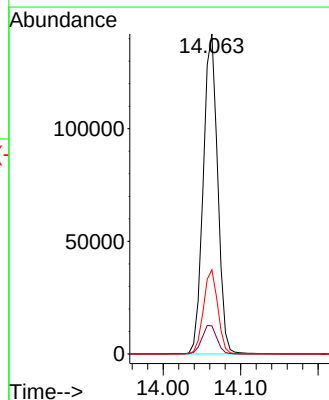
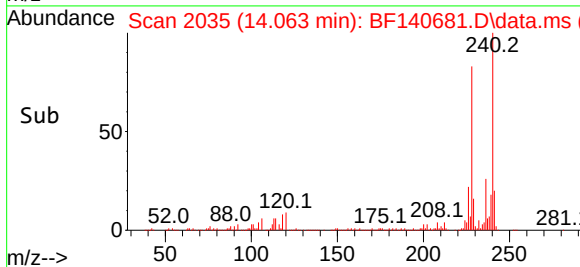
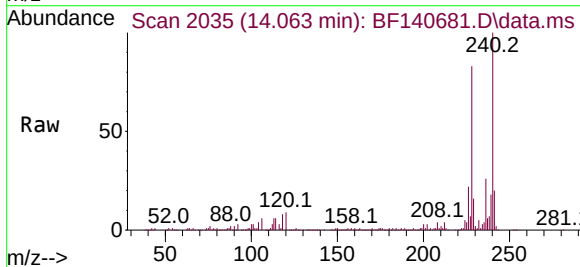
Manual Integrations  
APPROVED

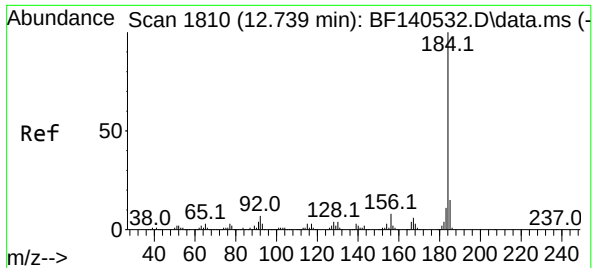
Reviewed By :Yogesh Patel 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.063 min Scan# 2035  
Delta R.T. 0.012 min  
Lab File: BF140681.D  
Acq: 02 Dec 2024 10:22

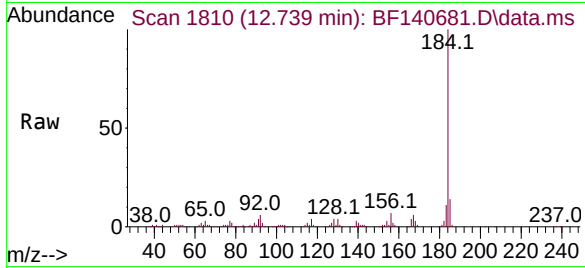
Tgt Ion:240 Resp: 183379  
Ion Ratio Lower Upper  
240 100  
120 8.8 7.3 10.9  
236 26.3 20.6 31.0





#77  
Benzidine  
Concen: 33.951 ng  
RT: 12.739 min Scan# 1810  
Delta R.T. 0.000 min  
Lab File: BF140681.D  
Acq: 02 Dec 2024 10:22

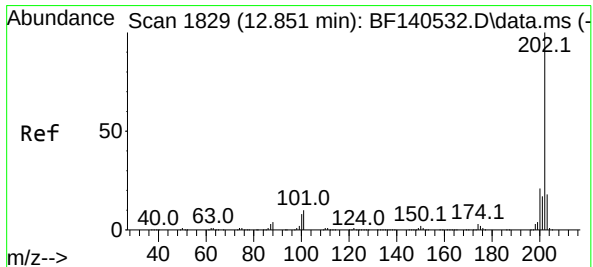
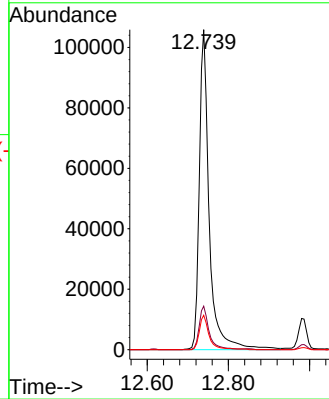
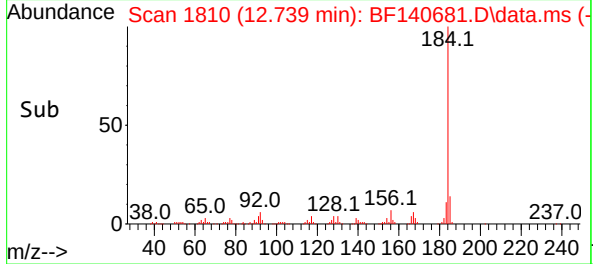
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040



Tgt Ion:184 Resp: 18101  
Ion Ratio Lower Upper  
184 100  
185 13.6 11.7 17.5  
183 10.7 8.8 13.2

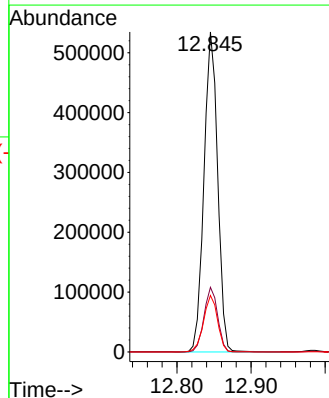
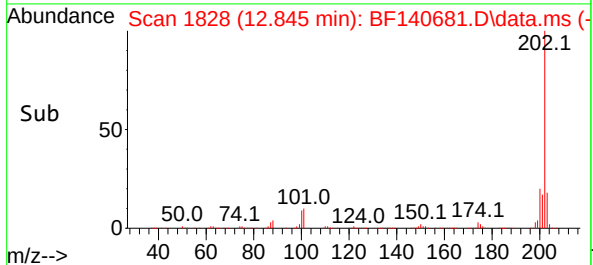
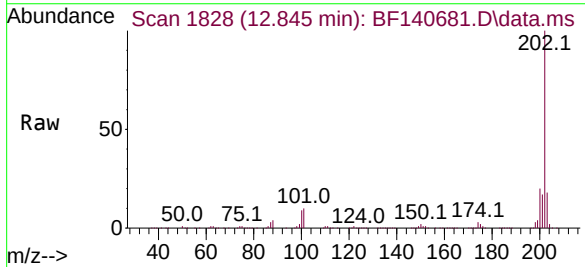
Manual Integrations  
**APPROVED**

Reviewed By :Yogesh Patel 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024

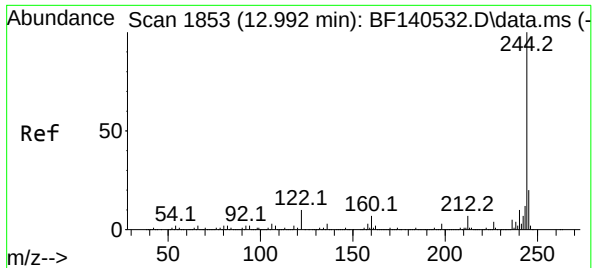


#78  
Pyrene  
Concen: 40.567 ng  
RT: 12.845 min Scan# 1828  
Delta R.T. -0.006 min  
Lab File: BF140681.D  
Acq: 02 Dec 2024 10:22

Tgt Ion:202 Resp: 687839  
Ion Ratio Lower Upper  
202 100  
200 20.2 16.5 24.7  
203 17.7 14.2 21.4







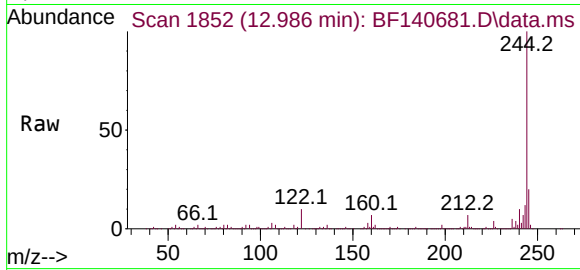
#79  
Terphenyl-d14  
Concen: 78.587 ng  
RT: 12.986 min Scan# 1852  
Delta R.T. -0.006 min  
Lab File: BF140681.D  
Acq: 02 Dec 2024 10:22

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

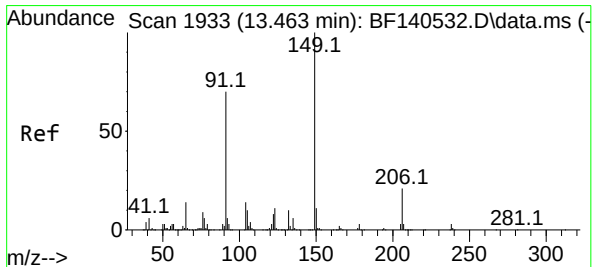
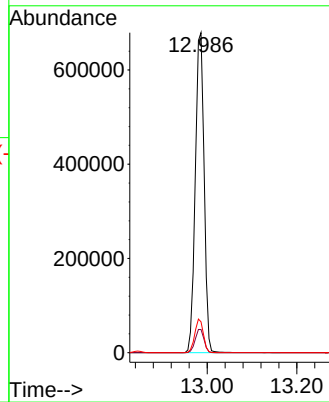
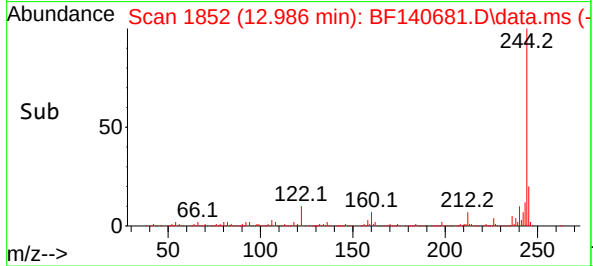


Tgt Ion:244 Resp: 925492  
Ion Ratio Lower Upper  
244 100  
212 7.3 5.8 8.8  
122 9.6 8.0 12.0

Manual Integrations

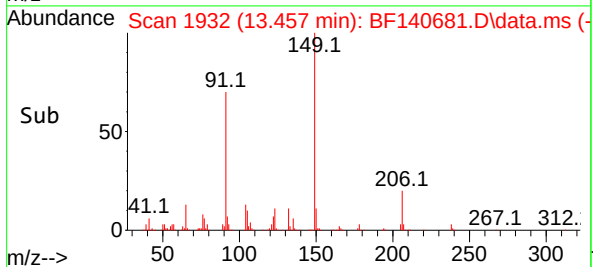
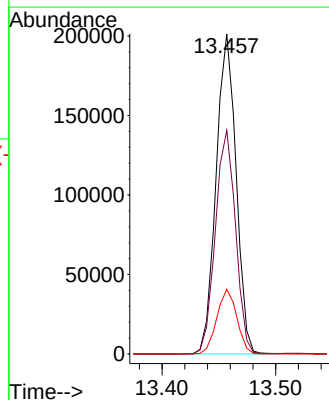
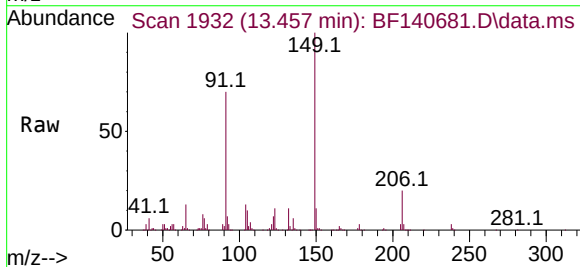
APPROVED

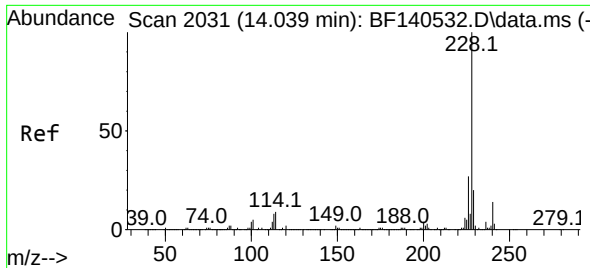
Reviewed By :Yogesh Patel 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024



#80  
Butylbenzylphthalate  
Concen: 40.363 ng  
RT: 13.457 min Scan# 1932  
Delta R.T. -0.006 min  
Lab File: BF140681.D  
Acq: 02 Dec 2024 10:22

Tgt Ion:149 Resp: 246541  
Ion Ratio Lower Upper  
149 100  
91 69.9 56.2 84.2  
206 20.2 16.4 24.6





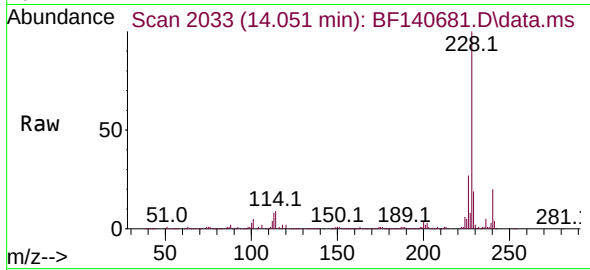
#81  
Benzo(a)anthracene  
Concen: 39.870 ng  
RT: 14.051 min Scan# 2031  
Delta R.T. 0.012 min  
Lab File: BF140681.D  
Acq: 02 Dec 2024 10:22

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

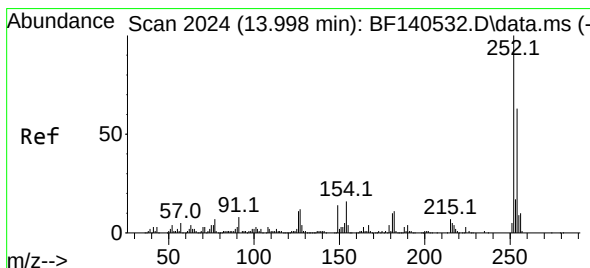
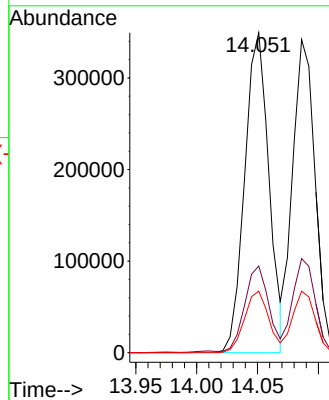
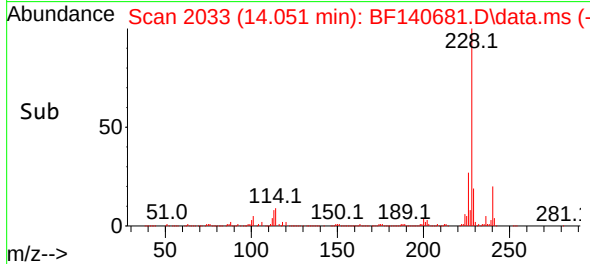


Tgt Ion:228 Resp: 48398  
Ion Ratio Lower Upper  
228 100  
226 27.1 21.8 32.8  
229 19.3 15.8 23.6

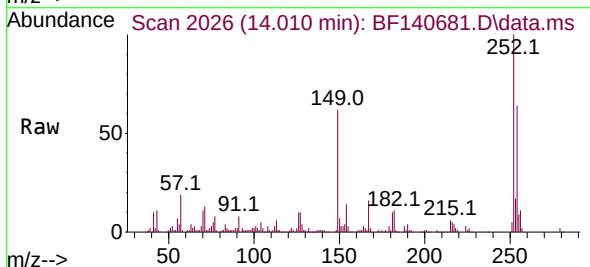
Manual Integrations

APPROVED

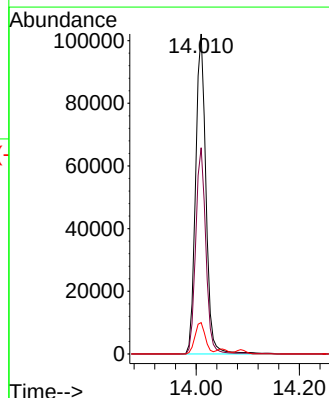
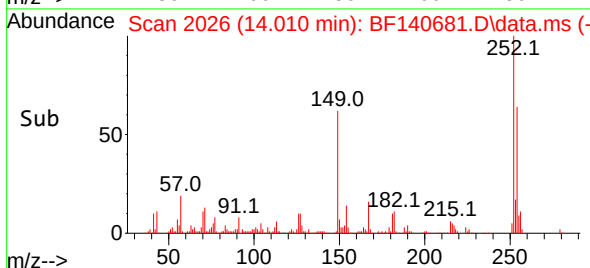
Reviewed By :Yogesh Patel 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024

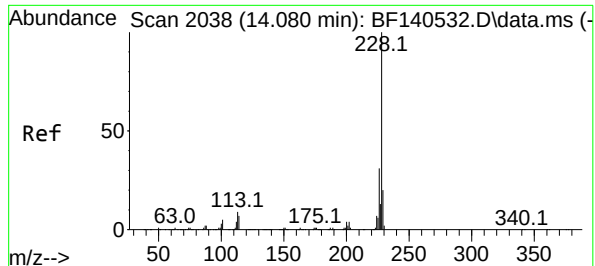


#82  
3,3'-Dichlorobenzidine  
Concen: 38.858 ng  
RT: 14.010 min Scan# 2026  
Delta R.T. 0.012 min  
Lab File: BF140681.D  
Acq: 02 Dec 2024 10:22



Tgt Ion:252 Resp: 141622  
Ion Ratio Lower Upper  
252 100  
254 64.4 50.8 76.2  
126 9.8 8.6 13.0





#83

Chrysene

Concen: 39.658 ng

RT: 14.086 min Scan# 2038

Delta R.T. 0.006 min

Lab File: BF140681.D

Acq: 02 Dec 2024 10:22

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

Tgt Ion:228 Resp: 440189

Ion Ratio Lower Upper

228 100

226 30.1 24.4 36.6

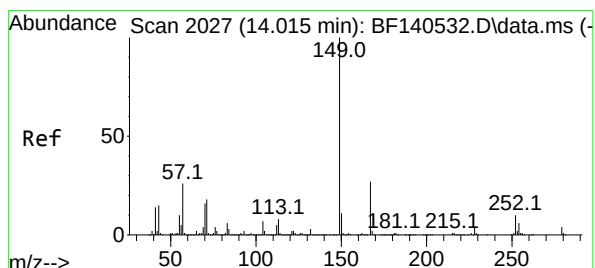
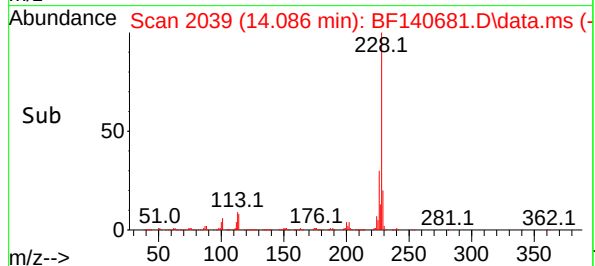
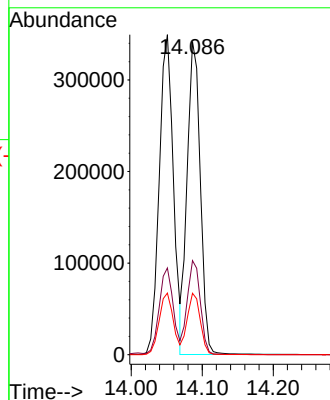
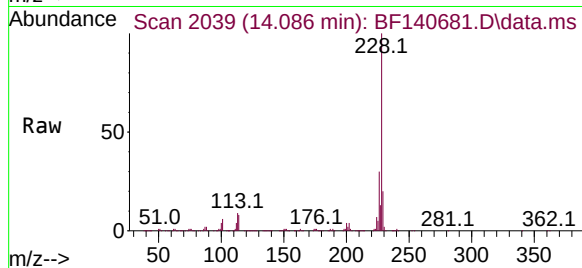
229 19.6 15.8 23.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/03/2024

Supervised By :mohammad ahmed 12/05/2024



#84

Bis(2-ethylhexyl)phthalate

Concen: 40.009 ng

RT: 14.022 min Scan# 2028

Delta R.T. 0.006 min

Lab File: BF140681.D

Acq: 02 Dec 2024 10:22

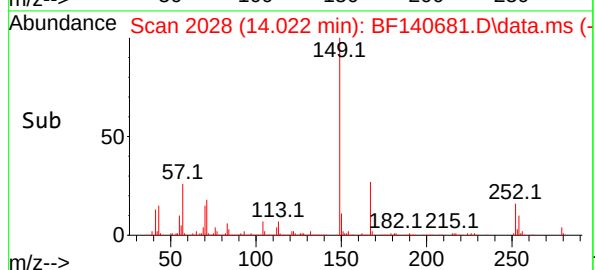
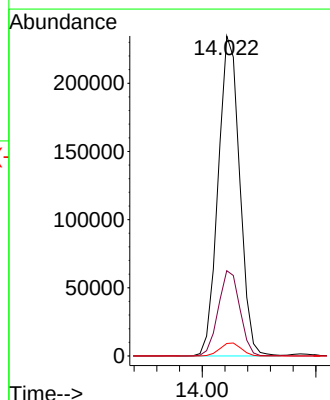
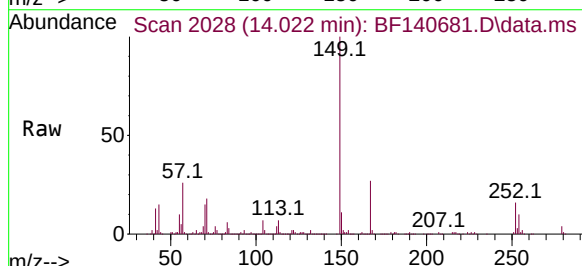
Tgt Ion:149 Resp: 308576

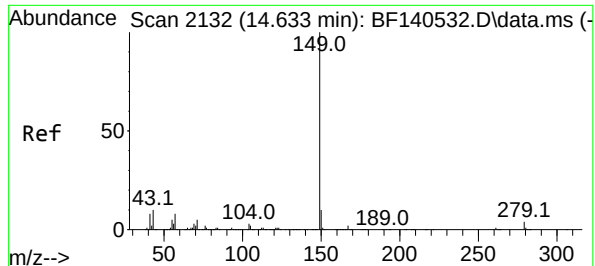
Ion Ratio Lower Upper

149 100

167 26.7 21.2 31.8

279 3.9 3.2 4.8





#85

Di-n-octyl phthalate

Concen: 39.662 ng

RT: 14.669 min Scan# 2132

Delta R.T. 0.035 min

Lab File: BF140681.D

Acq: 02 Dec 2024 10:22

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

Tgt Ion:149 Resp: 418052

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

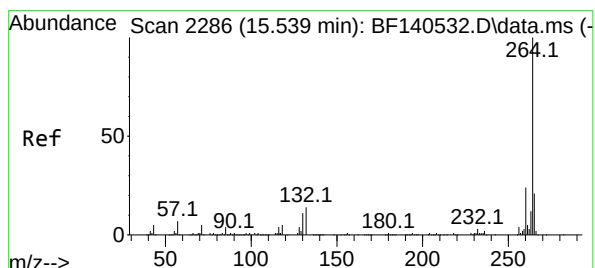
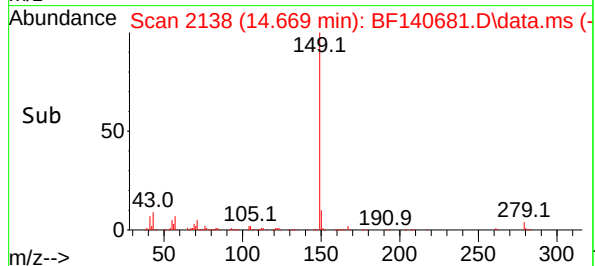
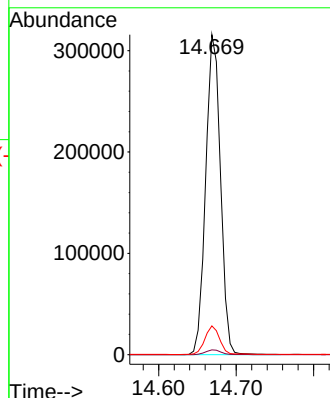
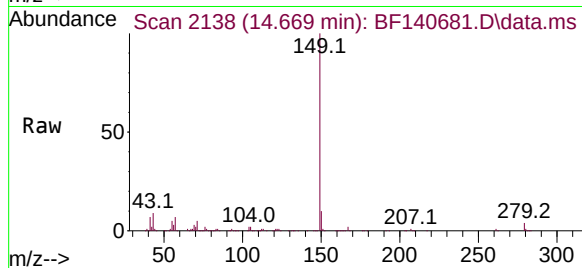
43 8.9 7.7 11.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/03/2024

Supervised By :mohammad ahmed 12/05/2024



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.580 min Scan# 2293

Delta R.T. 0.041 min

Lab File: BF140681.D

Acq: 02 Dec 2024 10:22

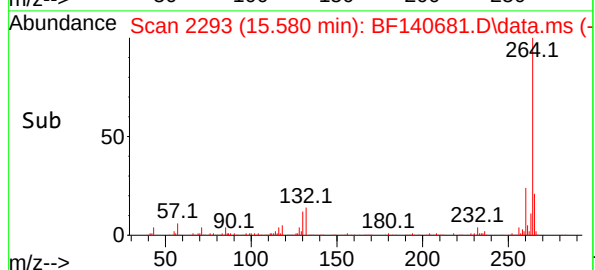
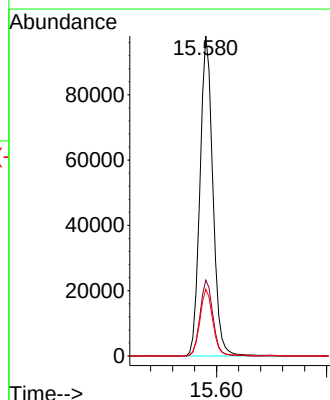
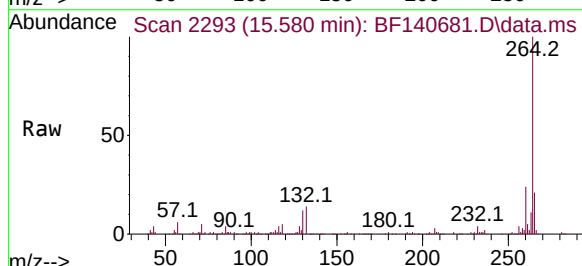
Tgt Ion:264 Resp: 159952

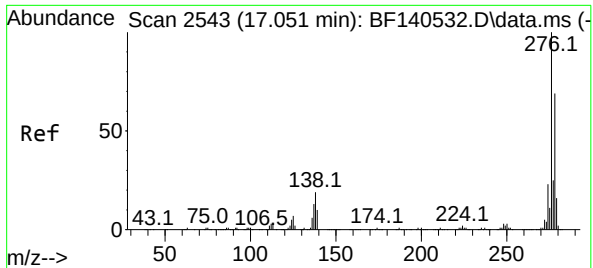
Ion Ratio Lower Upper

264 100

260 23.7 19.0 28.6

265 20.8 16.6 25.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 38.823 ng

RT: 17.104 min Scan# 21

Delta R.T. 0.053 min

Lab File: BF140681.D

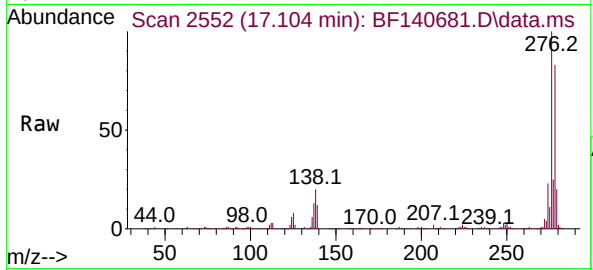
Acq: 02 Dec 2024 10:22

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040



Tgt Ion:276 Resp: 404689

Ion Ratio Lower Upper

276 100

138 20.2 15.5 23.3

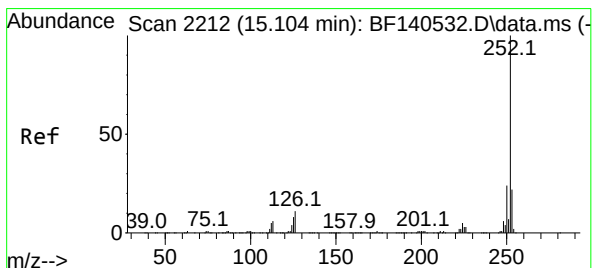
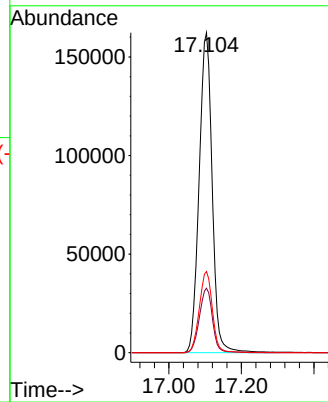
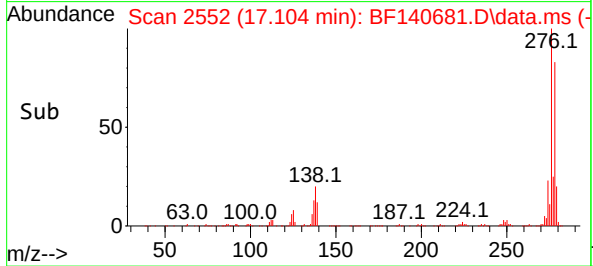
277 25.4 20.1 30.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/03/2024

Supervised By :mohammad ahmed 12/05/2024



#88

Benzo(b)fluoranthene

Concen: 39.598 ng

RT: 15.139 min Scan# 2218

Delta R.T. 0.035 min

Lab File: BF140681.D

Acq: 02 Dec 2024 10:22

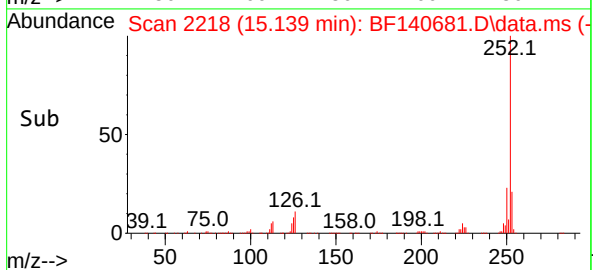
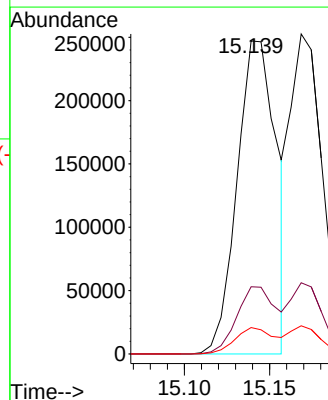
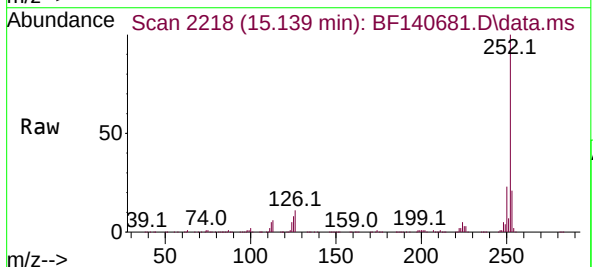
Tgt Ion:252 Resp: 397834

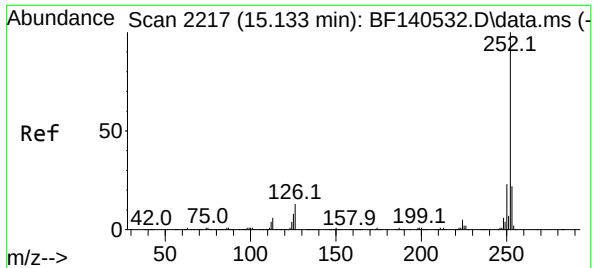
Ion Ratio Lower Upper

252 100

253 21.5 17.2 25.8

125 8.4 6.7 10.1





#89

Benzo(k)fluoranthene

Concen: 38.123 ng

RT: 15.169 min Scan# 2217

Delta R.T. 0.035 min

Lab File: BF140681.D

Acq: 02 Dec 2024 10:22

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

Tgt Ion:252 Resp: 335170

Ion Ratio Lower Upper

252 100

253 22.3 17.5 26.3

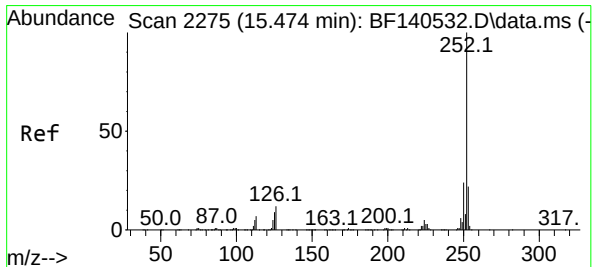
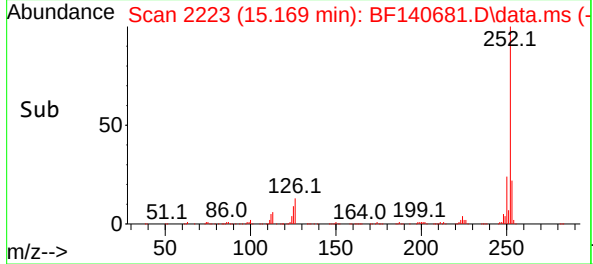
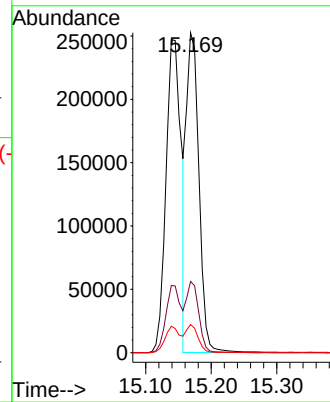
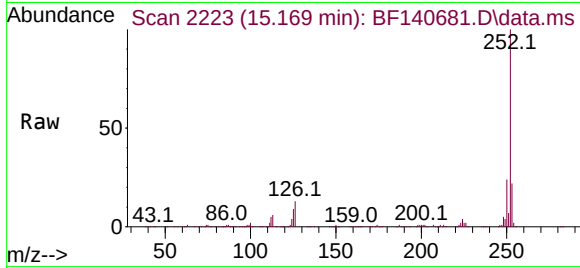
125 8.8 6.5 9.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/03/2024

Supervised By :mohammad ahmed 12/05/2024



#90

Benzo(a)pyrene

Concen: 39.153 ng

RT: 15.516 min Scan# 2282

Delta R.T. 0.041 min

Lab File: BF140681.D

Acq: 02 Dec 2024 10:22

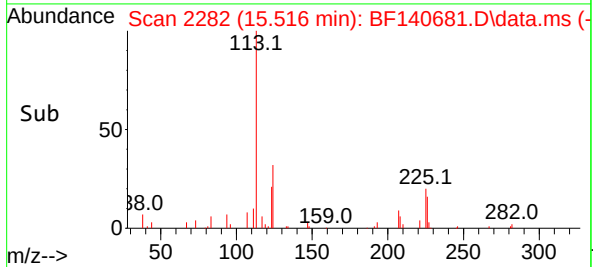
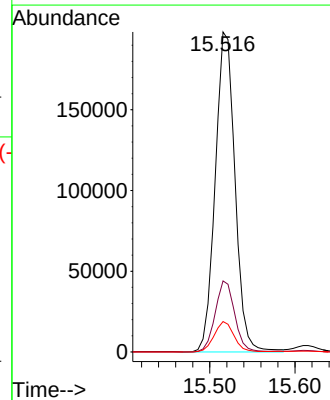
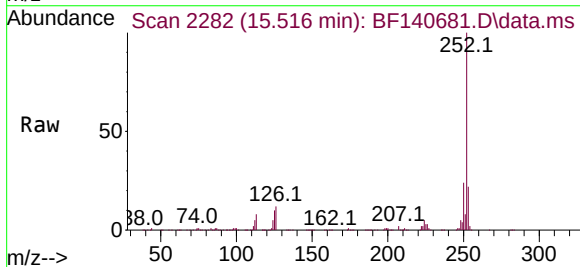
Tgt Ion:252 Resp: 319834

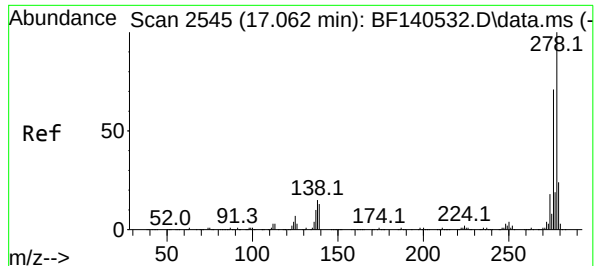
Ion Ratio Lower Upper

252 100

253 22.2 17.3 25.9

125 9.5 7.0 10.6





#91  
Dibenzo(a,h)anthracene  
Concen: 38.424 ng  
RT: 17.110 min Scan# 21  
Delta R.T. 0.047 min  
Lab File: BF140681.D  
Acq: 02 Dec 2024 10:22

Instrument :

BNA\_F

ClientSampleId :

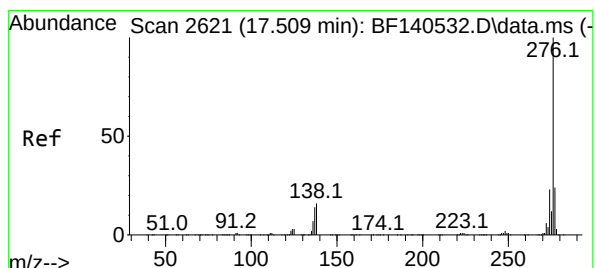
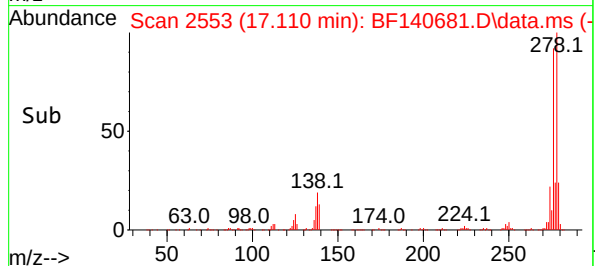
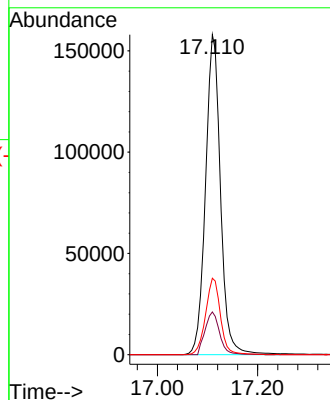
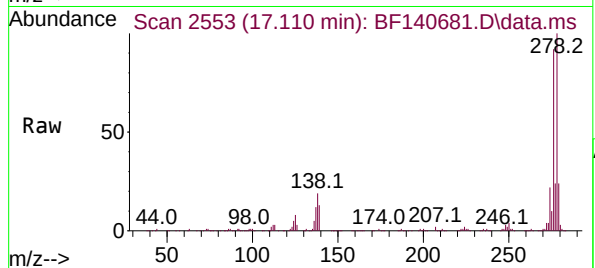
SSTDCCC040

Tgt Ion:278 Resp: 328020  
Ion Ratio Lower Upper  
278 100  
139 13.3 10.2 15.4  
279 23.9 18.9 28.3

Manual Integrations

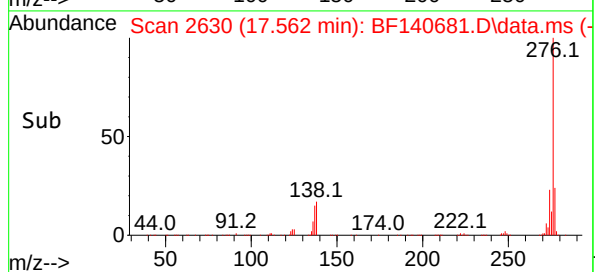
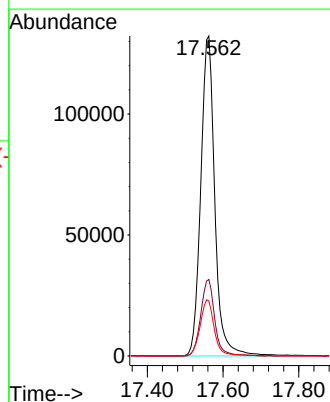
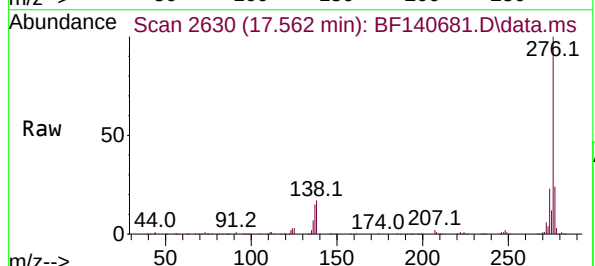
APPROVED

Reviewed By :Yogesh Patel 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024



#92  
Benzo(g,h,i)perylene  
Concen: 39.067 ng  
RT: 17.562 min Scan# 2630  
Delta R.T. 0.053 min  
Lab File: BF140681.D  
Acq: 02 Dec 2024 10:22

Tgt Ion:276 Resp: 340327  
Ion Ratio Lower Upper  
276 100  
277 23.9 18.9 28.3  
138 17.2 13.2 19.8



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF120224\  
 Data File : BF140681.D  
 Acq On : 02 Dec 2024 10:22  
 Operator : RC/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Dec 02 11:01:17 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF112124.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Nov 21 15:23:48 2024  
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 25% Max. Rel. Area : 150%

|      | Compound                    | AvgRF | CCRF  | %Dev | Area% | Dev(min) |
|------|-----------------------------|-------|-------|------|-------|----------|
| 1 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0  | 78    | 0.00     |
| 2    | 1,4-Dioxane                 | 0.493 | 0.483 | 2.0  | 77    | -0.02    |
| 3    | Pyridine                    | 1.084 | 1.121 | -3.4 | 73    | -0.02    |
| 4    | n-Nitrosodimethylamine      | 0.637 | 0.574 | 9.9  | 69    | -0.02    |
| 5 S  | 2-Fluorophenol              | 1.172 | 1.148 | 2.0  | 76    | 0.00     |
| 6    | Aniline                     | 1.091 | 1.166 | -6.9 | 72    | 0.00     |
| 7 S  | Phenol-d6                   | 1.550 | 1.511 | 2.5  | 73    | 0.00     |
| 8    | 2-Chlorophenol              | 1.261 | 1.248 | 1.0  | 75    | 0.00     |
| 9    | Benzaldehyde                | 0.820 | 0.773 | 5.7  | 81    | 0.00     |
| 10 C | Phenol                      | 1.583 | 1.579 | 0.3  | 73    | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.211 | 1.170 | 3.4  | 73    | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.417 | 1.382 | 2.5  | 77    | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.435 | 1.392 | 3.0  | 76    | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.344 | 1.325 | 1.4  | 76    | 0.00     |
| 15   | Benzyl Alcohol              | 1.149 | 1.130 | 1.7  | 72    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 1.431 | 1.363 | 4.8  | 72    | 0.00     |
| 17   | 2-Methylphenol              | 1.009 | 0.989 | 2.0  | 74    | 0.00     |
| 18   | Hexachloroethane            | 0.536 | 0.512 | 4.5  | 74    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 0.916 | 0.863 | 5.8  | 71    | 0.00     |
| 20   | 3+4-Methylphenols           | 1.298 | 1.270 | 2.2  | 73    | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0  | 73    | 0.00     |
| 22   | Acetophenone                | 0.488 | 0.482 | 1.2  | 74    | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.391 | 0.381 | 2.6  | 71    | 0.00     |
| 24   | Nitrobenzene                | 0.404 | 0.399 | 1.2  | 73    | 0.00     |
| 25   | Isophorone                  | 0.652 | 0.641 | 1.7  | 71    | 0.00     |
| 26 C | 2-Nitrophenol               | 0.179 | 0.181 | -1.1 | 74    | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.214 | 0.228 | -6.5 | 75    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.397 | 0.387 | 2.5  | 72    | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.284 | 0.285 | -0.4 | 74    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.324 | 0.317 | 2.2  | 73    | 0.00     |
| 31   | Naphthalene                 | 1.030 | 1.021 | 0.9  | 74    | 0.00     |
| 32   | Benzoic acid                | 0.164 | 0.150 | 8.5  | 62    | 0.00     |
| 33   | 4-Chloroaniline             | 0.308 | 0.326 | -5.8 | 74    | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.215 | 0.211 | 1.9  | 73    | 0.00     |
| 35   | Caprolactam                 | 0.088 | 0.089 | -1.1 | 72    | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 0.318 | 0.313 | 1.6  | 70    | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.654 | 0.655 | -0.2 | 74    | 0.00     |
| 38   | 1-Methylnaphthalene         | 0.641 | 0.633 | 1.2  | 73    | 0.00     |
| 39 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0  | 73    | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 0.586 | 0.575 | 1.9  | 74    | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 0.107 | 0.116 | -8.4 | 74    | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 0.214 | 0.211 | 1.4  | 71    | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 0.367 | 0.357 | 2.7  | 71    | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 0.399 | 0.393 | 1.5  | 71    | 0.00     |
| 45 S | 2-Fluorobiphenyl            | 1.342 | 1.303 | 2.9  | 73    | 0.00     |
| 46   | 1,1'-Biphenyl               | 1.493 | 1.474 | 1.3  | 74    | 0.00     |
| 47   | 2-Chloronaphthalene         | 1.131 | 1.123 | 0.7  | 74    | 0.00     |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF120224\  
 Data File : BF140681.D  
 Acq On : 02 Dec 2024 10:22  
 Operator : RC/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Dec 02 11:01:17 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF112124.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Nov 21 15:23:48 2024  
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 25% Max. Rel. Area : 150%

|      | Compound                   | AvgRF | CCRF  | %Dev | Area% | Dev(min) |
|------|----------------------------|-------|-------|------|-------|----------|
| 48   | 2-Nitroaniline             | 0.363 | 0.357 | 1.7  | 71    | 0.00     |
| 49   | Acenaphthylene             | 1.710 | 1.674 | 2.1  | 73    | 0.00     |
| 50   | Dimethylphthalate          | 1.317 | 1.279 | 2.9  | 72    | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 0.299 | 0.297 | 0.7  | 72    | 0.00     |
| 52 C | Acenaphthene               | 1.086 | 1.073 | 1.2  | 73    | 0.00     |
| 53   | 3-Nitroaniline             | 0.292 | 0.297 | -1.7 | 72    | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 0.122 | 0.117 | 4.1  | 61    | 0.00     |
| 55   | Dibenzofuran               | 1.657 | 1.622 | 2.1  | 73    | 0.00     |
| 56 P | 4-Nitrophenol              | 0.199 | 0.171 | 14.1 | 60    | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 0.397 | 0.406 | -2.3 | 73    | 0.00     |
| 58   | Fluorene                   | 1.330 | 1.312 | 1.4  | 74    | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 0.306 | 0.299 | 2.3  | 70    | 0.00     |
| 60   | Diethylphthalate           | 1.338 | 1.300 | 2.8  | 72    | -0.01    |
| 61   | 4-Chlorophenyl-phenylether | 0.653 | 0.650 | 0.5  | 74    | 0.00     |
| 62   | 4-Nitroaniline             | 0.306 | 0.312 | -2.0 | 73    | 0.00     |
| 63   | Azobenzene                 | 1.267 | 1.239 | 2.2  | 73    | 0.00     |
| 64 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0  | 73    | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 0.102 | 0.107 | -4.9 | 72    | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 0.591 | 0.577 | 2.4  | 73    | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 0.206 | 0.205 | 0.5  | 75    | 0.00     |
| 68   | Hexachlorobenzene          | 0.238 | 0.231 | 2.9  | 73    | 0.00     |
| 69   | Atrazine                   | 0.166 | 0.148 | 10.8 | 78    | 0.00     |
| 70 C | Pentachlorophenol          | 0.105 | 0.095 | 9.5  | 60    | 0.00     |
| 71   | Phenanthrene               | 0.961 | 0.947 | 1.5  | 74    | 0.00     |
| 72   | Anthracene                 | 0.940 | 0.935 | 0.5  | 74    | 0.00     |
| 73   | Carbazole                  | 0.905 | 0.910 | -0.6 | 75    | 0.00     |
| 74   | Di-n-butylphthalate        | 1.044 | 1.010 | 3.3  | 72    | 0.00     |
| 75 C | Fluoranthene               | 1.044 | 1.053 | -0.9 | 76    | 0.00     |
| 76 I | Chrysene-d12               | 1.000 | 1.000 | 0.0  | 77    | 0.01     |
| 77   | Benzydine                  | 0.581 | 0.494 | 15.0 | 66    | 0.00     |
| 78   | Pyrene                     | 1.849 | 1.875 | -1.4 | 78    | 0.00     |
| 79 S | Terphenyl-d14              | 1.284 | 1.262 | 1.7  | 75    | 0.00     |
| 80   | Butylbenzylphthalate       | 0.666 | 0.672 | -0.9 | 76    | 0.00     |
| 81   | Benzo(a)anthracene         | 1.324 | 1.320 | 0.3  | 79    | 0.01     |
| 82   | 3,3'-Dichlorobenzidine     | 0.397 | 0.386 | 2.8  | 72    | 0.01     |
| 83   | Chrysene                   | 1.211 | 1.200 | 0.9  | 77    | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 0.841 | 0.841 | 0.0  | 77    | 0.00     |
| 85 c | Di-n-octyl phthalate       | 1.150 | 1.140 | 0.9  | 77    | 0.04     |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0  | 76    | 0.04     |
| 87   | Indeno(1,2,3-cd)pyrene     | 1.303 | 1.265 | 2.9  | 73    | 0.05     |
| 88   | Benzo(b)fluoranthene       | 1.256 | 1.244 | 1.0  | 79    | 0.04     |
| 89   | Benzo(k)fluoranthene       | 1.099 | 1.048 | 4.6  | 72    | 0.04     |
| 90 C | Benzo(a)pyrene             | 1.021 | 1.000 | 2.1  | 75    | 0.04     |
| 91   | Dibenzo(a,h)anthracene     | 1.067 | 1.025 | 3.9  | 73    | 0.05     |
| 92   | Benzo(g,h,i)perylene       | 1.089 | 1.064 | 2.3  | 74    | 0.05     |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF120224\  
Data File : BF140681.D  
Acq On : 02 Dec 2024 10:22  
Operator : RC/JU  
Sample : SSTDCCC040  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_F  
LabSampleId :  
SSTDCCC040

Quant Time: Dec 02 11:01:17 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF112124.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Nov 21 15:23:48 2024  
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
Max. RRF Dev : 25% Max. Rel. Area : 150%

| Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|----------|-------|------|------|-------|----------|
|----------|-------|------|------|-------|----------|

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF120224\  
 Data File : BF140681.D  
 Acq On : 02 Dec 2024 10:22  
 Operator : RC/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Dec 02 11:01:17 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF112124.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Nov 21 15:23:48 2024  
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 25% Max. Rel. Area : 150%

|      | Compound                    | Amount | Calc.  | %Dev | Area% | Dev(min) |
|------|-----------------------------|--------|--------|------|-------|----------|
| 1 I  | 1,4-Dichlorobenzene-d4      | 20.000 | 20.000 | 0.0  | 78    | 0.00     |
| 2    | 1,4-Dioxane                 | 40.000 | 39.241 | 1.9  | 77    | -0.02    |
| 3    | Pyridine                    | 40.000 | 41.355 | -3.4 | 73    | -0.02    |
| 4    | n-Nitrosodimethylamine      | 40.000 | 36.032 | 9.9  | 69    | -0.02    |
| 5 S  | 2-Fluorophenol              | 80.000 | 78.340 | 2.1  | 76    | 0.00     |
| 6    | Aniline                     | 40.000 | 42.754 | -6.9 | 72    | 0.00     |
| 7 S  | Phenol-d6                   | 80.000 | 77.993 | 2.5  | 73    | 0.00     |
| 8    | 2-Chlorophenol              | 40.000 | 39.590 | 1.0  | 75    | 0.00     |
| 9    | Benzaldehyde                | 40.000 | 37.711 | 5.7  | 81    | 0.00     |
| 10 C | Phenol                      | 40.000 | 39.907 | 0.2  | 73    | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 40.000 | 38.644 | 3.4  | 73    | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 40.000 | 39.012 | 2.5  | 77    | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 40.000 | 38.799 | 3.0  | 76    | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 40.000 | 39.430 | 1.4  | 76    | 0.00     |
| 15   | Benzyl Alcohol              | 40.000 | 39.344 | 1.6  | 72    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 40.000 | 38.120 | 4.7  | 72    | 0.00     |
| 17   | 2-Methylphenol              | 40.000 | 39.183 | 2.0  | 74    | 0.00     |
| 18   | Hexachloroethane            | 40.000 | 38.253 | 4.4  | 74    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 40.000 | 37.674 | 5.8  | 71    | 0.00     |
| 20   | 3+4-Methylphenols           | 40.000 | 39.158 | 2.1  | 73    | 0.00     |
| 21 I | Naphthalene-d8              | 20.000 | 20.000 | 0.0  | 73    | 0.00     |
| 22   | Acetophenone                | 40.000 | 39.582 | 1.0  | 74    | 0.00     |
| 23 S | Nitrobenzene-d5             | 80.000 | 77.900 | 2.6  | 71    | 0.00     |
| 24   | Nitrobenzene                | 40.000 | 39.523 | 1.2  | 73    | 0.00     |
| 25   | Isophorone                  | 40.000 | 39.291 | 1.8  | 71    | 0.00     |
| 26 C | 2-Nitrophenol               | 40.000 | 40.392 | -1.0 | 74    | 0.00     |
| 27   | 2,4-Dimethylphenol          | 40.000 | 42.539 | -6.3 | 75    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 40.000 | 38.982 | 2.5  | 72    | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 40.000 | 40.122 | -0.3 | 74    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 40.000 | 39.084 | 2.3  | 73    | 0.00     |
| 31   | Naphthalene                 | 40.000 | 39.627 | 0.9  | 74    | 0.00     |
| 32   | Benzoic acid                | 40.000 | 34.616 | 13.5 | 62    | 0.00     |
| 33   | 4-Chloroaniline             | 40.000 | 42.251 | -5.6 | 74    | 0.00     |
| 34 C | Hexachlorobutadiene         | 40.000 | 39.335 | 1.7  | 73    | 0.00     |
| 35   | Caprolactam                 | 40.000 | 40.334 | -0.8 | 72    | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 40.000 | 39.440 | 1.4  | 70    | 0.00     |
| 37   | 2-Methylnaphthalene         | 40.000 | 40.053 | -0.1 | 74    | 0.00     |
| 38   | 1-Methylnaphthalene         | 40.000 | 39.495 | 1.3  | 73    | 0.00     |
| 39 I | Acenaphthene-d10            | 20.000 | 20.000 | 0.0  | 73    | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 40.000 | 39.254 | 1.9  | 74    | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 40.000 | 39.441 | 1.4  | 74    | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 80.000 | 78.824 | 1.5  | 71    | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 40.000 | 38.903 | 2.7  | 71    | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 40.000 | 39.418 | 1.5  | 71    | 0.00     |
| 45 S | 2-Fluorobiphenyl            | 80.000 | 77.648 | 2.9  | 73    | 0.00     |
| 46   | 1,1'-Biphenyl               | 40.000 | 39.480 | 1.3  | 74    | 0.00     |
| 47   | 2-Chloronaphthalene         | 40.000 | 39.690 | 0.8  | 74    | 0.00     |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF120224\  
 Data File : BF140681.D  
 Acq On : 02 Dec 2024 10:22  
 Operator : RC/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Dec 02 11:01:17 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF112124.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Nov 21 15:23:48 2024  
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 25% Max. Rel. Area : 150%

|      | Compound                   | Amount | Calc.  | %Dev | Area% | Dev(min) |
|------|----------------------------|--------|--------|------|-------|----------|
| 48   | 2-Nitroaniline             | 40.000 | 39.310 | 1.7  | 71    | 0.00     |
| 49   | Acenaphthylene             | 40.000 | 39.157 | 2.1  | 73    | 0.00     |
| 50   | Dimethylphthalate          | 40.000 | 38.837 | 2.9  | 72    | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 40.000 | 39.791 | 0.5  | 72    | 0.00     |
| 52 C | Acenaphthene               | 40.000 | 39.516 | 1.2  | 73    | 0.00     |
| 53   | 3-Nitroaniline             | 40.000 | 40.697 | -1.7 | 72    | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 40.000 | 35.042 | 12.4 | 61    | 0.00     |
| 55   | Dibenzofuran               | 40.000 | 39.170 | 2.1  | 73    | 0.00     |
| 56 P | 4-Nitrophenol              | 40.000 | 34.381 | 14.0 | 60    | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 40.000 | 40.854 | -2.1 | 73    | 0.00     |
| 58   | Fluorene                   | 40.000 | 39.467 | 1.3  | 74    | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 38.989 | 2.5  | 70    | 0.00     |
| 60   | Diethylphthalate           | 40.000 | 38.859 | 2.9  | 72    | -0.01    |
| 61   | 4-Chlorophenyl-phenylether | 40.000 | 39.860 | 0.4  | 74    | 0.00     |
| 62   | 4-Nitroaniline             | 40.000 | 40.706 | -1.8 | 73    | 0.00     |
| 63   | Azobenzene                 | 40.000 | 39.095 | 2.3  | 73    | 0.00     |
| 64 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0  | 73    | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 40.000 | 42.032 | -5.1 | 72    | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 40.000 | 39.004 | 2.5  | 73    | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 40.000 | 39.735 | 0.7  | 75    | 0.00     |
| 68   | Hexachlorobenzene          | 40.000 | 38.740 | 3.1  | 73    | 0.00     |
| 69   | Atrazine                   | 40.000 | 35.580 | 11.1 | 78    | 0.00     |
| 70 C | Pentachlorophenol          | 40.000 | 36.131 | 9.7  | 60    | 0.00     |
| 71   | Phenanthrene               | 40.000 | 39.392 | 1.5  | 74    | 0.00     |
| 72   | Anthracene                 | 40.000 | 39.774 | 0.6  | 74    | 0.00     |
| 73   | Carbazole                  | 40.000 | 40.242 | -0.6 | 75    | 0.00     |
| 74   | Di-n-butylphthalate        | 40.000 | 38.680 | 3.3  | 72    | 0.00     |
| 75 C | Fluoranthene               | 40.000 | 40.355 | -0.9 | 76    | 0.00     |
| 76 I | Chrysene-d12               | 20.000 | 20.000 | 0.0  | 77    | 0.01     |
| 77   | Benzydine                  | 40.000 | 33.951 | 15.1 | 66    | 0.00     |
| 78   | Pyrene                     | 40.000 | 40.567 | -1.4 | 78    | 0.00     |
| 79 S | Terphenyl-d14              | 80.000 | 78.587 | 1.8  | 75    | 0.00     |
| 80   | Butylbenzylphthalate       | 40.000 | 40.363 | -0.9 | 76    | 0.00     |
| 81   | Benzo(a)anthracene         | 40.000 | 39.870 | 0.3  | 79    | 0.01     |
| 82   | 3,3'-Dichlorobenzidine     | 40.000 | 38.858 | 2.9  | 72    | 0.01     |
| 83   | Chrysene                   | 40.000 | 39.658 | 0.9  | 77    | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 40.000 | 40.009 | -0.0 | 77    | 0.00     |
| 85 c | Di-n-octyl phthalate       | 40.000 | 39.662 | 0.8  | 77    | 0.04     |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0  | 76    | 0.04     |
| 87   | Indeno(1,2,3-cd)pyrene     | 40.000 | 38.823 | 2.9  | 73    | 0.05     |
| 88   | Benzo(b)fluoranthene       | 40.000 | 39.598 | 1.0  | 79    | 0.04     |
| 89   | Benzo(k)fluoranthene       | 40.000 | 38.123 | 4.7  | 72    | 0.04     |
| 90 C | Benzo(a)pyrene             | 40.000 | 39.153 | 2.1  | 75    | 0.04     |
| 91   | Dibenzo(a,h)anthracene     | 40.000 | 38.424 | 3.9  | 73    | 0.05     |
| 92   | Benzo(g,h,i)perylene       | 40.000 | 39.067 | 2.3  | 74    | 0.05     |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF120224\  
Data File : BF140681.D  
Acq On : 02 Dec 2024 10:22  
Operator : RC/JU  
Sample : SSTDCCC040  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_F  
LabSampleId :  
SSTDCCC040

Quant Time: Dec 02 11:01:17 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF112124.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Nov 21 15:23:48 2024  
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
Max. RRF Dev : 25% Max. Rel. Area : 150%

| Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|----------|--------|-------|------|-------|----------|
|----------|--------|-------|------|-------|----------|

-----  
(#) = Out of Range                      SPCC's out = 0    CCC's out = 0



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

7C

## SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: LIRO01

Lab Code: CHEM Case No.: P5021 SAS No.: P5021 SDG No.: P5021

Instrument ID: BNA\_F Calibration Date/Time: 12/03/2024 11:24

Lab File ID: BF140702.D Init. Calib. Date(s): 11/21/2024 11/21/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:13 14:18

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

| COMPOUND                 | RRF   | RRF040 | MIN<br>RRF | %D   | MAX%D |
|--------------------------|-------|--------|------------|------|-------|
| 2-Fluorophenol           | 1.172 | 1.135  |            | -3.2 |       |
| Phenol-d6                | 1.550 | 1.481  |            | -4.5 |       |
| Nitrobenzene-d5          | 0.391 | 0.372  |            | -4.9 |       |
| 2-Fluorobiphenyl         | 1.342 | 1.315  |            | -2.0 |       |
| Acenaphthylene           | 1.710 | 1.655  |            | -3.2 |       |
| Acenaphthene             | 1.086 | 1.031  |            | -5.1 | 20.0  |
| Fluorene                 | 1.330 | 1.306  |            | -1.8 |       |
| 2,4,6-Tribromophenol     | 0.214 | 0.209  |            | -2.3 |       |
| Phenanthrene             | 0.961 | 0.921  |            | -4.2 |       |
| Anthracene               | 0.940 | 0.906  |            | -3.6 |       |
| Fluoranthene             | 1.044 | 1.025  |            | -1.8 | 20.0  |
| Pyrene                   | 1.849 | 1.786  |            | -3.4 |       |
| Terphenyl-d14            | 1.284 | 1.295  |            | 0.9  |       |
| Benzo (a) anthracene     | 1.324 | 1.330  |            | 0.5  |       |
| Chrysene                 | 1.211 | 1.133  |            | -6.4 |       |
| Benzo (b) fluoranthene   | 1.256 | 1.178  |            | -6.2 |       |
| Benzo (k) fluoranthene   | 1.099 | 1.085  |            | -1.3 |       |
| Benzo (a) pyrene         | 1.021 | 0.989  |            | -3.1 | 20.0  |
| Indeno (1,2,3-cd) pyrene | 1.303 | 1.389  |            | 6.6  |       |
| Dibenzo (a,h) anthracene | 1.067 | 1.149  |            | 7.7  |       |
| Benzo (g,h,i) perylene   | 1.089 | 1.195  |            | 9.7  |       |

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF120324\  
 Data File : BF140702.D  
 Acq On : 03 Dec 2024 11:24  
 Operator : RC/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

## Instrument :

BNA\_F

## ClientSampleId :

SSTDCCC040

## Manual Integrations

## APPROVED

Reviewed By :Jagrut Upadhyay 12/03/2024  
 Supervised By :mohammad ahmed 12/05/2024

Quant Time: Dec 03 12:32:40 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF112124.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Thu Nov 21 15:23:48 2024

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.869  | 152  | 78577    | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.151  | 136  | 287976   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.910  | 164  | 161859   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.398 | 188  | 309121   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 14.057 | 240  | 178961   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12              | 15.568 | 264  | 151018   | 20.000 | ng    | 0.03     |
|                               |        |      |          |        |       |          |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.498  | 112  | 356707   | 77.455 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.510  | 99   | 465601   | 76.474 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.433  | 82   | 428914   | 76.184 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.704 | 330  | 135112   | 78.050 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.227  | 172  | 851200   | 78.355 | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.986 | 244  | 927223   | 80.677 | ng    | 0.00     |
|                               |        |      |          |        |       |          |
| Target Compounds              |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.610  | 88   | 88618    | 45.766 | ng    | 99       |
| 3) Pyridine                   | 3.393  | 79   | 211280   | 49.593 | ng    | 99       |
| 4) n-Nitrosodimethylamine     | 3.340  | 42   | 103370   | 41.283 | ng    | 89       |
| 6) Aniline                    | 6.534  | 93   | 192153   | 44.840 | ng    | 95       |
| 8) 2-Chlorophenol             | 6.663  | 128  | 189885   | 38.325 | ng    | 95       |
| 9) Benzaldehyde               | 6.428  | 77   | 122097   | 37.882 | ng    | 99       |
| 10) Phenol                    | 6.522  | 94   | 241863   | 38.899 | ng    | 94       |
| 11) bis(2-Chloroethyl)ether   | 6.604  | 93   | 182002   | 38.252 | ng    | 99       |
| 12) 1,3-Dichlorobenzene       | 6.810  | 146  | 215039   | 38.625 | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 6.886  | 146  | 219736   | 38.980 | ng    | 98       |
| 14) 1,2-Dichlorobenzene       | 7.039  | 146  | 206351   | 39.066 | ng    | 99       |
| 15) Benzyl Alcohol            | 7.016  | 79   | 171178   | 37.912 | ng    | 98       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.139  | 45   | 218575   | 38.885 | ng    | 92       |
| 17) 2-Methylphenol            | 7.128  | 107  | 149709   | 37.747 | ng    | 97       |
| 18) Hexachloroethane          | 7.381  | 117  | 81909    | 38.905 | ng    | 99       |
| 19) n-Nitroso-di-n-propyla... | 7.281  | 70   | 137238   | 38.140 | ng    | 98       |
| 20) 3+4-Methylphenols         | 7.281  | 107  | 196617   | 38.568 | ng    | 94       |
| 22) Acetophenone              | 7.281  | 105  | 268592   | 38.257 | ng    | 98       |
| 24) Nitrobenzene              | 7.457  | 77   | 220435   | 37.883 | ng    | 98       |
| 25) Isophorone                | 7.692  | 82   | 363764   | 38.738 | ng    | 99       |
| 26) 2-Nitrophenol             | 7.769  | 139  | 99836    | 38.717 | ng    | 99       |
| 27) 2,4-Dimethylphenol        | 7.804  | 122  | 125689m  | 40.738 | ng    |          |
| 28) bis(2-Chloroethoxy)met... | 7.898  | 93   | 224648   | 39.270 | ng    | 100      |
| 29) 2,4-Dichlorophenol        | 8.016  | 162  | 162796   | 39.821 | ng    | 98       |
| 30) 1,2,4-Trichlorobenzene    | 8.092  | 180  | 183699   | 39.354 | ng    | 99       |
| 31) Naphthalene               | 8.175  | 128  | 573428   | 38.658 | ng    | 100      |
| 32) Benzoic acid              | 7.933  | 122  | 89798    | 35.627 | ng    | 94       |
| 33) 4-Chloroaniline           | 8.228  | 127  | 189353   | 42.636 | ng    | 98       |
| 34) Hexachlorobutadiene       | 8.286  | 225  | 123968   | 40.096 | ng    | 99       |
| 35) Caprolactam               | 8.598  | 113  | 47318    | 37.400 | ng    | 97       |
| 36) 4-Chloro-3-methylphenol   | 8.710  | 107  | 175561   | 38.355 | ng    | 98       |
| 37) 2-Methylnaphthalene       | 8.863  | 142  | 373870   | 39.683 | ng    | 100      |
| 38) 1-Methylnaphthalene       | 8.963  | 142  | 359542   | 38.933 | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 9.033  | 216  | 186183   | 39.292 | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 9.016  | 237  | 45855    | 46.421 | ng    | 98       |
| 43) 2,4,6-Trichlorophenol     | 9.145  | 196  | 116712   | 39.253 | ng    | 98       |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF120324\  
 Data File : BF140702.D  
 Acq On : 03 Dec 2024 11:24  
 Operator : RC/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

## Instrument :

BNA\_F

## ClientSampleId :

SSTDCCC040

## Manual Integrations

## APPROVED

Reviewed By :Jagrut Upadhyay 12/03/2024  
 Supervised By :mohammad ahmed 12/05/2024

Quant Time: Dec 03 12:32:40 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF112124.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Thu Nov 21 15:23:48 2024

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.198  | 196  | 124573   | 38.605 | ng    | 97       |
| 46) 1,1'-Biphenyl             | 9.327  | 154  | 478849   | 39.625 | ng    | 100      |
| 47) 2-Chloronaphthalene       | 9.357  | 162  | 353191   | 38.572 | ng    | 98       |
| 48) 2-Nitroaniline            | 9.457  | 65   | 109766   | 37.346 | ng    | 96       |
| 49) Acenaphthylene            | 9.769  | 152  | 535680   | 38.719 | ng    | 99       |
| 50) Dimethylphthalate         | 9.627  | 163  | 420054   | 39.405 | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 9.698  | 165  | 94994    | 39.292 | ng    | 94       |
| 52) Acenaphthene              | 9.945  | 154  | 333771   | 37.968 | ng    | 99       |
| 53) 3-Nitroaniline            | 9.869  | 138  | 94739    | 40.066 | ng    | 96       |
| 54) 2,4-Dinitrophenol         | 9.986  | 184  | 44183    | 39.659 | ng    | 92       |
| 55) Dibenzofuran              | 10.116 | 168  | 520938   | 38.851 | ng    | 100      |
| 56) 4-Nitrophenol             | 10.045 | 139  | 52819    | 32.754 | ng    | 91       |
| 57) 2,4-Dinitrotoluene        | 10.104 | 165  | 128073   | 39.860 | ng    | 98       |
| 58) Fluorene                  | 10.457 | 166  | 422615   | 39.266 | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.239 | 232  | 96620    | 38.960 | ng    | 95       |
| 60) Diethylphthalate          | 10.327 | 149  | 438624   | 40.498 | ng    | 100      |
| 61) 4-Chlorophenyl-phenyle... | 10.451 | 204  | 214560   | 40.622 | ng    | 96       |
| 62) 4-Nitroaniline            | 10.486 | 138  | 95226    | 38.398 | ng    | 97       |
| 63) Azobenzene                | 10.610 | 77   | 401295   | 39.125 | ng    | 99       |
| 65) 4,6-Dinitro-2-methylph... | 10.516 | 198  | 59302    | 37.542 | ng    | 98       |
| 66) n-Nitrosodiphenylamine    | 10.569 | 169  | 355436   | 38.882 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 10.939 | 248  | 126092   | 39.608 | ng    | 99       |
| 68) Hexachlorobenzene         | 11.010 | 284  | 143294   | 38.874 | ng    | 99       |
| 69) Atrazine                  | 11.092 | 200  | 84195    | 32.739 | ng    | 100      |
| 70) Pentachlorophenol         | 11.210 | 266  | 53143m   | 32.757 | ng    |          |
| 71) Phenanthrene              | 11.427 | 178  | 569205   | 38.307 | ng    | 99       |
| 72) Anthracene                | 11.480 | 178  | 559985   | 38.526 | ng    | 100      |
| 73) Carbazole                 | 11.633 | 167  | 544791   | 38.961 | ng    | 100      |
| 74) Di-n-butylphthalate       | 11.957 | 149  | 682241   | 42.262 | ng    | 99       |
| 75) Fluoranthene              | 12.616 | 202  | 633816   | 39.286 | ng    | 99       |
| 77) Benzidine                 | 12.739 | 184  | 194649   | 37.410 | ng    | 99       |
| 78) Pyrene                    | 12.851 | 202  | 639203   | 38.629 | ng    | 99       |
| 80) Butylbenzylphthalate      | 13.457 | 149  | 261245   | 43.826 | ng    | 98       |
| 81) Benzo(a)anthracene        | 14.045 | 228  | 476207   | 40.198 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 14.004 | 252  | 145527   | 40.916 | ng    | 99       |
| 83) Chrysene                  | 14.086 | 228  | 405400   | 37.425 | ng    | 100      |
| 84) Bis(2-ethylhexyl)phtha... | 14.021 | 149  | 356413   | 47.352 | ng    | 99       |
| 85) Di-n-octyl phthalate      | 14.662 | 149  | 506556   | 49.245 | ng    | 99       |
| 87) Indeno(1,2,3-cd)pyrene    | 17.092 | 276  | 419499   | 42.625 | ng    | 99       |
| 88) Benzo(b)fluoranthene      | 15.133 | 252  | 355842   | 37.514 | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 15.162 | 252  | 327628   | 39.470 | ng    | 99       |
| 90) Benzo(a)pyrene            | 15.509 | 252  | 298771   | 38.738 | ng    | 100      |
| 91) Dibenzo(a,h)anthracene    | 17.098 | 278  | 347020   | 43.055 | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 17.545 | 276  | 361051   | 43.898 | ng    | 99       |

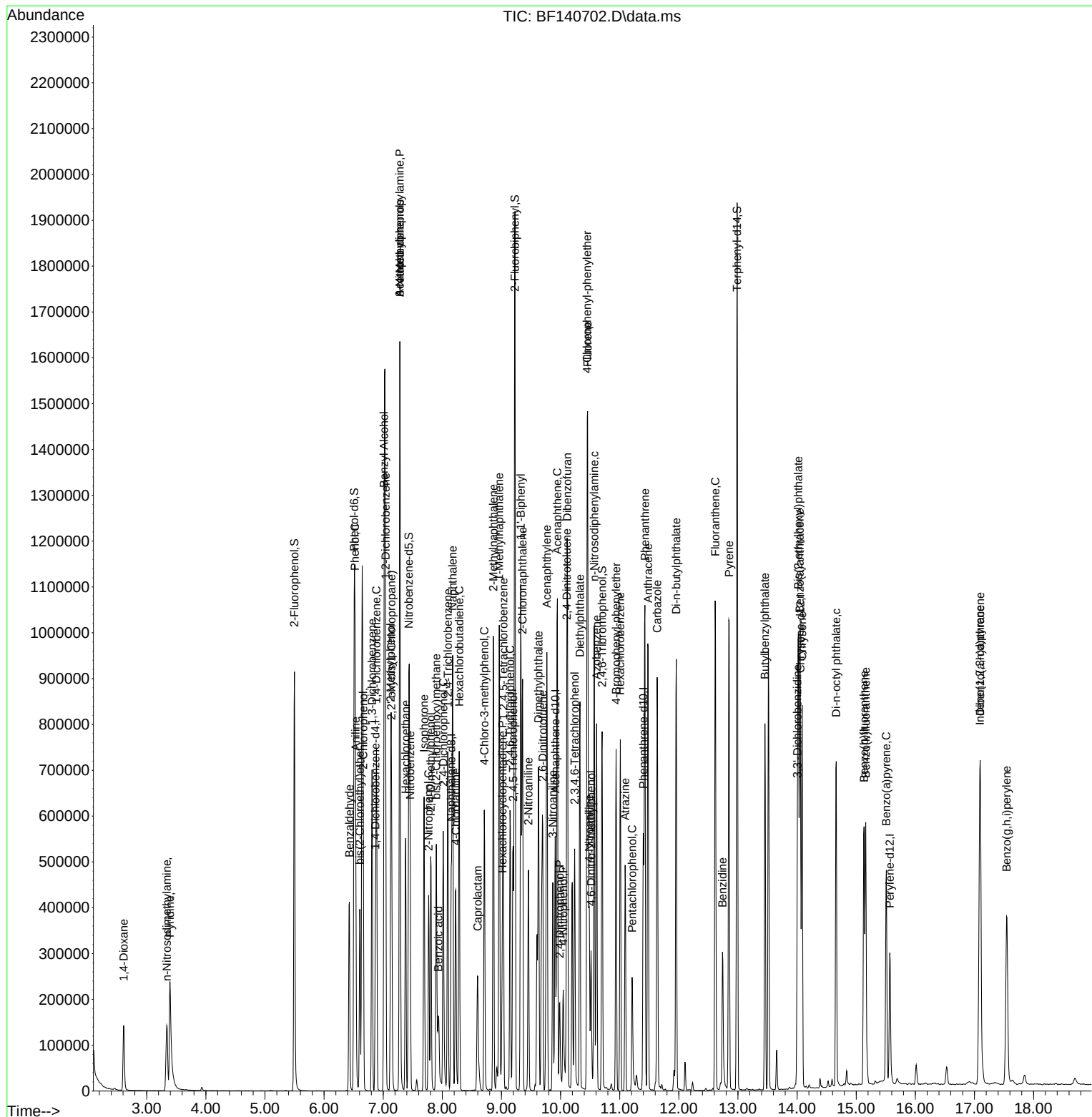
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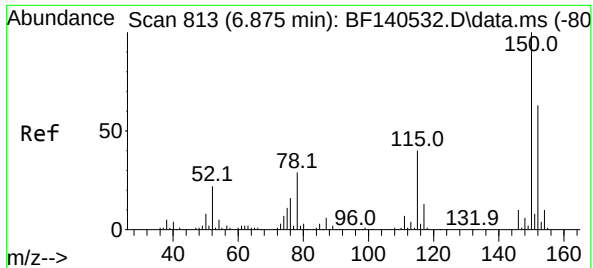


**Instrument :**  
BNA\_F  
**ClientSampleId :**  
SSTDCCC040

## Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024





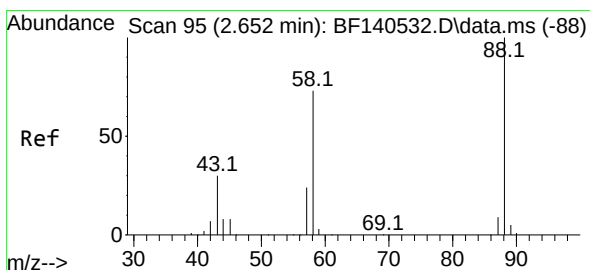
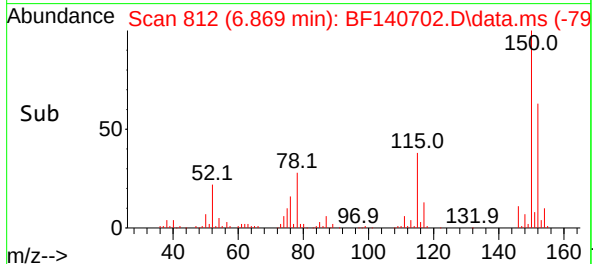
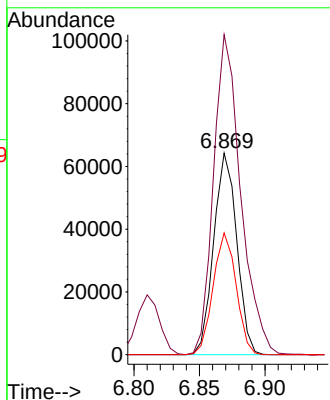
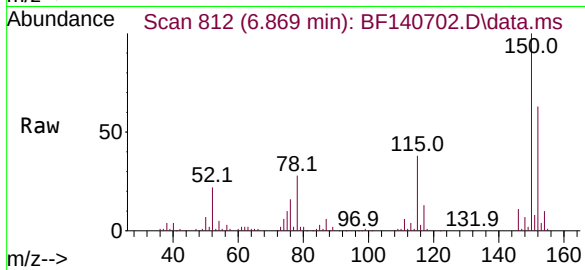
#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.869 min Scan# 81  
Delta R.T. -0.006 min  
Lab File: BF140702.D  
Acq: 03 Dec 2024 11:24

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

Tgt Ion:152 Resp: 7857  
Ion Ratio Lower Upper  
152 100  
150 158.7 128.5 192.7  
115 60.4 50.2 75.4

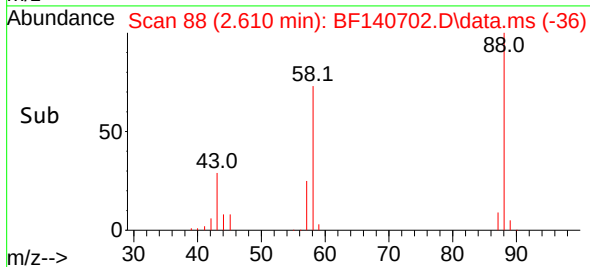
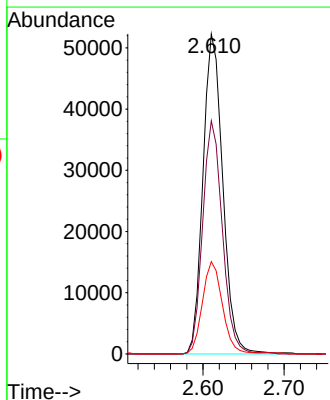
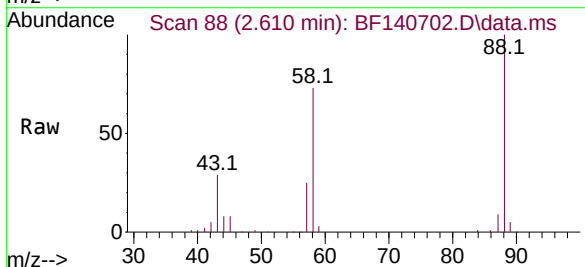
Manual Integrations  
APPROVED

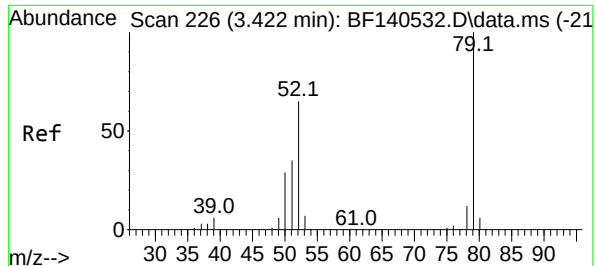
Reviewed By :Jagrut Upadhyay 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024



#2  
1,4-Dioxane  
Concen: 45.766 ng  
RT: 2.610 min Scan# 88  
Delta R.T. -0.041 min  
Lab File: BF140702.D  
Acq: 03 Dec 2024 11:24

Tgt Ion: 88 Resp: 88618  
Ion Ratio Lower Upper  
88 100  
58 72.3 57.4 86.2  
43 29.1 24.3 36.5





#3

Pyridine

Concen: 49.593 ng

RT: 3.393 min Scan# 211

Delta R.T. -0.030 min

Lab File: BF140702.D

Acq: 03 Dec 2024 11:24

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 79 Resp: 211280

Ion Ratio Lower Upper

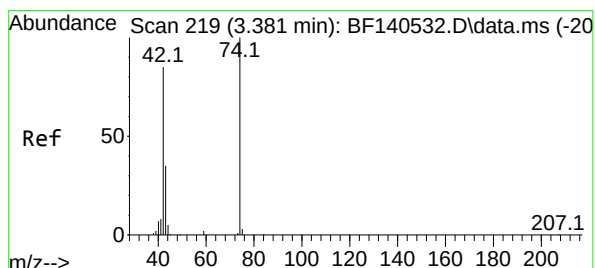
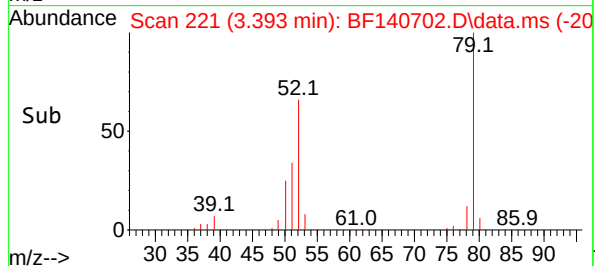
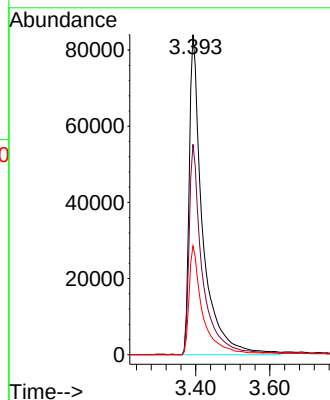
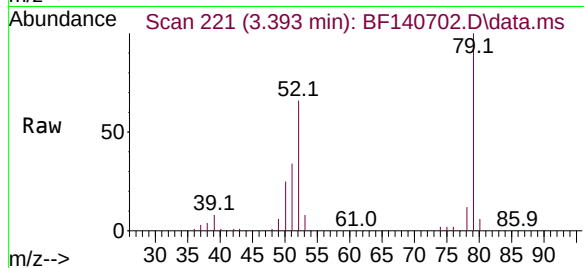
79 100

52 65.8 52.1 78.1

51 33.9 27.8 41.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024

#4

n-Nitrosodimethylamine

Concen: 41.283 ng

RT: 3.340 min Scan# 212

Delta R.T. -0.041 min

Lab File: BF140702.D

Acq: 03 Dec 2024 11:24

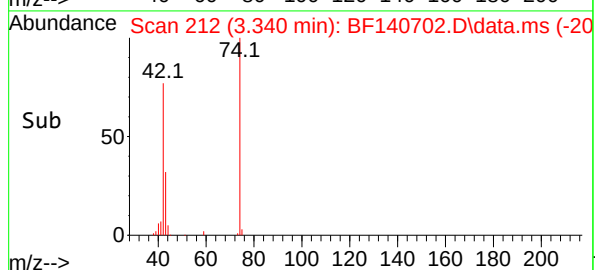
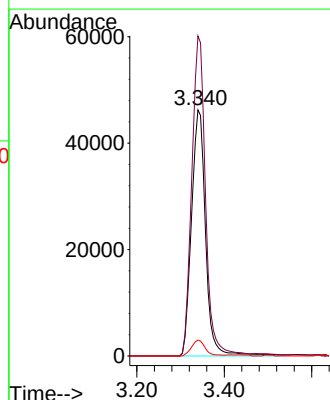
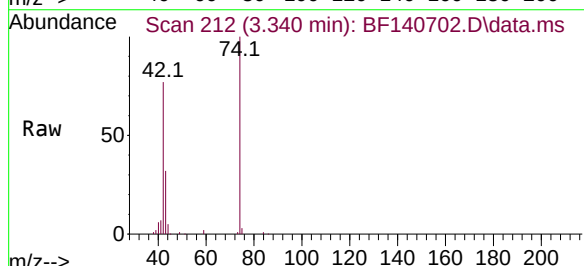
Tgt Ion: 42 Resp: 103370

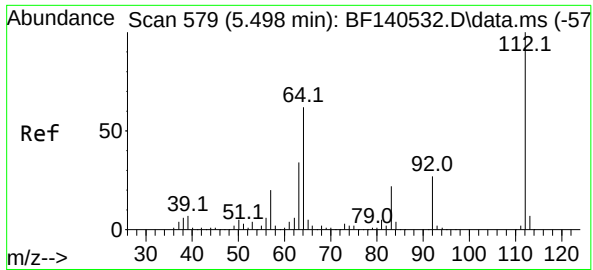
Ion Ratio Lower Upper

42 100

74 130.0 93.8 140.6

44 6.4 4.6 6.8





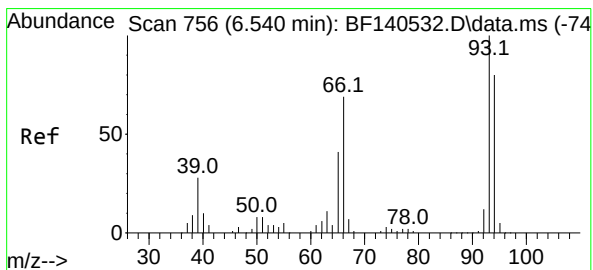
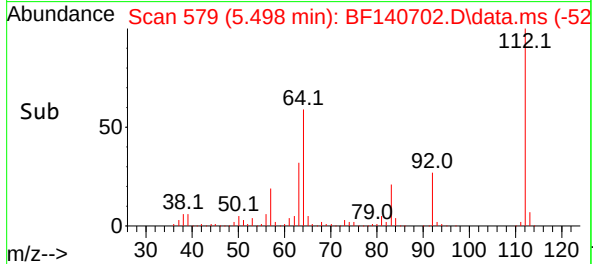
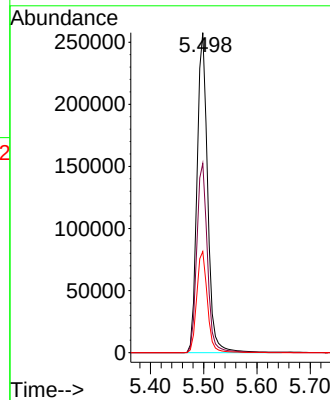
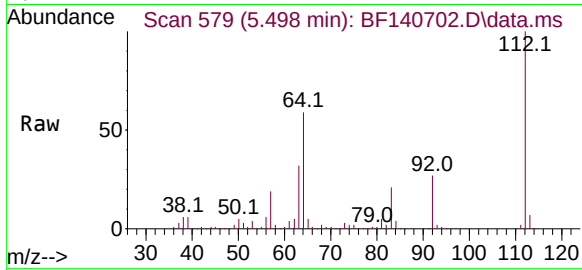
#5  
2-Fluorophenol  
Concen: 77.455 ng  
RT: 5.498 min Scan# 51  
Delta R.T. -0.000 min  
Lab File: BF140702.D  
Acq: 03 Dec 2024 11:24

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

Tgt Ion:112 Resp: 35670  
Ion Ratio Lower Upper  
112 100  
64 59.2 49.2 73.8  
63 31.6 27.0 40.4

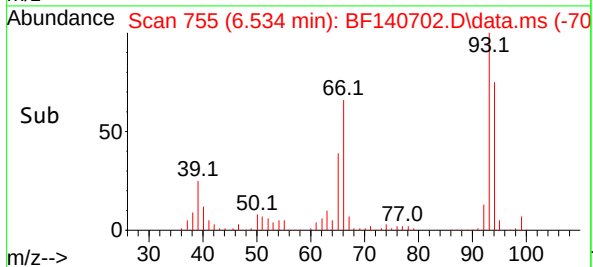
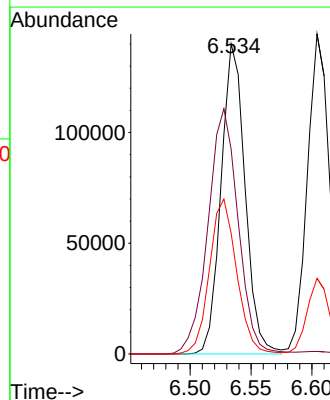
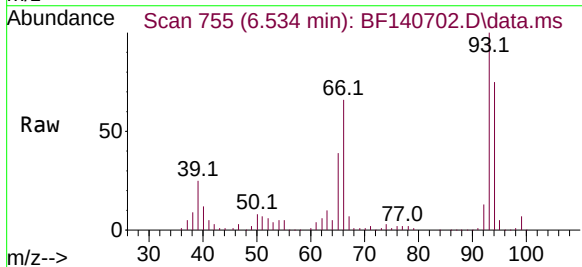
Manual Integrations  
APPROVED

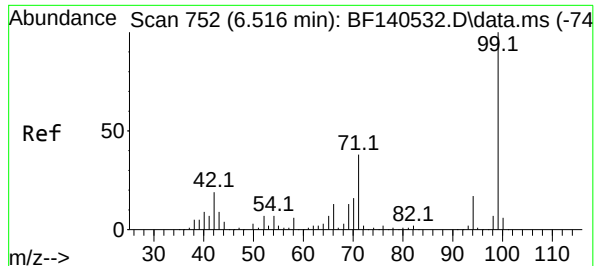
Reviewed By :Jagrut Upadhyay 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024



#6  
Aniline  
Concen: 44.840 ng  
RT: 6.534 min Scan# 755  
Delta R.T. -0.006 min  
Lab File: BF140702.D  
Acq: 03 Dec 2024 11:24

Tgt Ion: 93 Resp: 192153  
Ion Ratio Lower Upper  
93 100  
66 66.1 56.5 84.7  
65 39.0 32.9 49.3





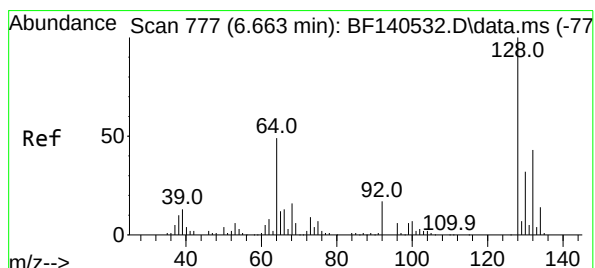
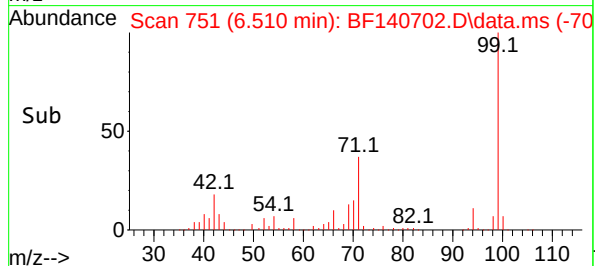
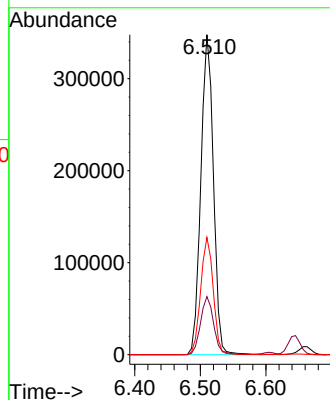
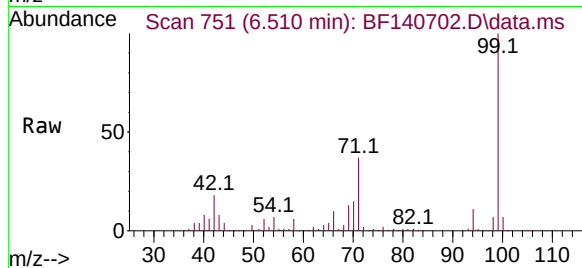
#7  
Phenol-d6  
Concen: 76.474 ng  
RT: 6.510 min Scan# 710  
Delta R.T. -0.006 min  
Lab File: BF140702.D  
Acq: 03 Dec 2024 11:24

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

Tgt Ion: 99 Resp: 46560  
Ion Ratio Lower Upper  
99 100  
42 18.2 15.4 23.0  
71 36.7 30.6 46.0

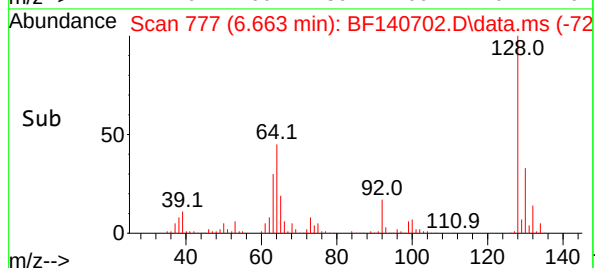
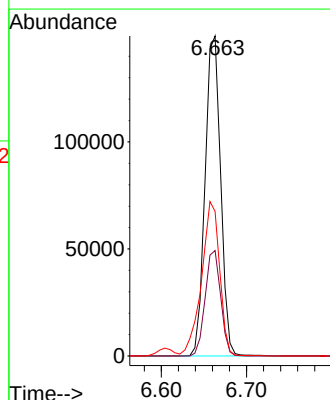
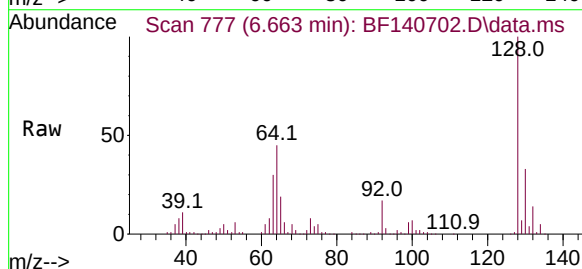
Manual Integrations  
**APPROVED**

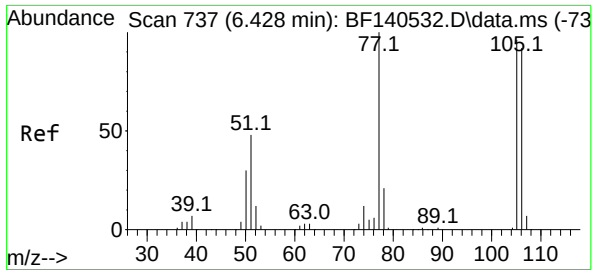
Reviewed By :Jagrut Upadhyay 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024



#8  
2-Chlorophenol  
Concen: 38.325 ng  
RT: 6.663 min Scan# 777  
Delta R.T. -0.000 min  
Lab File: BF140702.D  
Acq: 03 Dec 2024 11:24

Tgt Ion:128 Resp: 189885  
Ion Ratio Lower Upper  
128 100  
130 33.0 12.3 52.3  
64 45.2 30.2 70.2





#9

Benzaldehyde

Concen: 37.882 ng

RT: 6.428 min Scan# 71

Delta R.T. -0.000 min

Lab File: BF140702.D

Acq: 03 Dec 2024 11:24

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 77 Resp: 12209

Ion Ratio Lower Upper

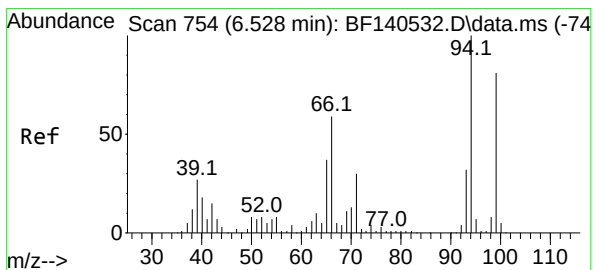
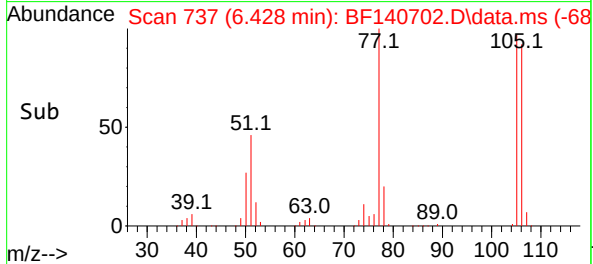
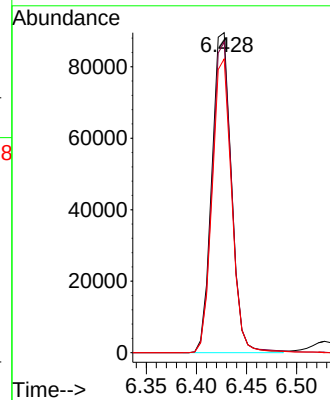
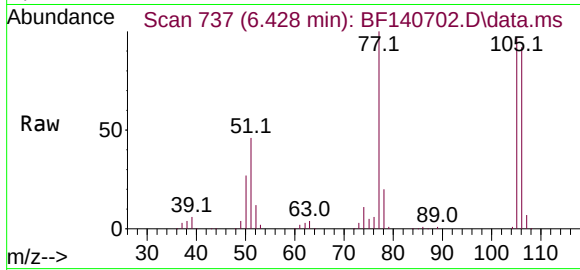
77 100

105 97.1 75.6 115.6

106 91.8 72.0 112.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024

#10

Phenol

Concen: 38.899 ng

RT: 6.522 min Scan# 753

Delta R.T. -0.006 min

Lab File: BF140702.D

Acq: 03 Dec 2024 11:24

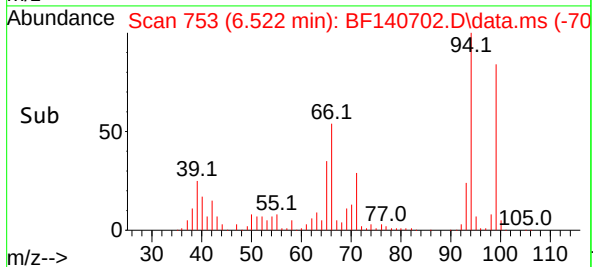
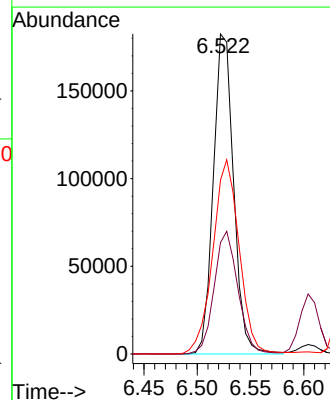
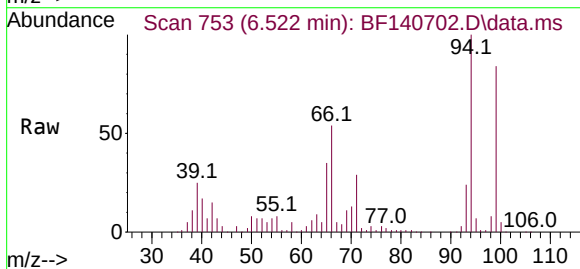
Tgt Ion: 94 Resp: 241863

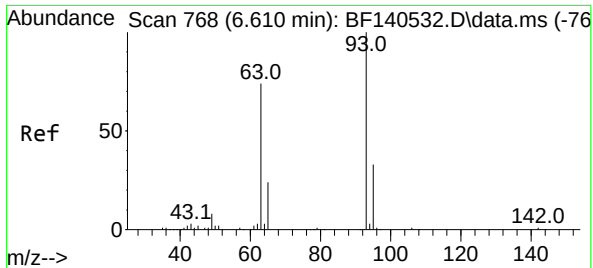
Ion Ratio Lower Upper

94 100

65 34.8 17.2 57.2

66 54.3 39.2 79.2





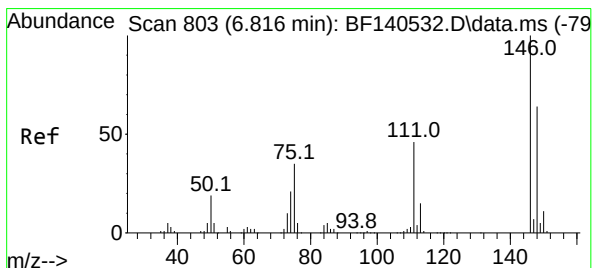
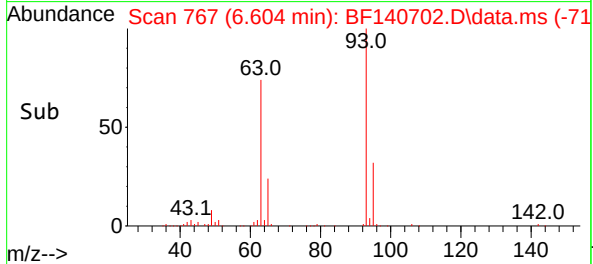
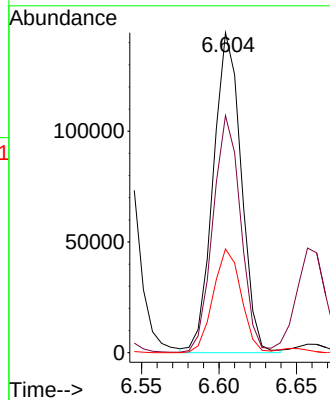
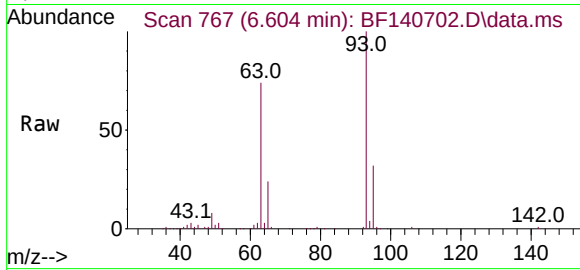
#11  
bis(2-Chloroethyl)ether  
Concen: 38.252 ng  
RT: 6.604 min Scan# 768  
Delta R.T. -0.006 min  
Lab File: BF140702.D  
Acq: 03 Dec 2024 11:24

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

Tgt Ion: 93 Resp: 18200  
Ion Ratio Lower Upper  
93 100  
63 74.1 52.8 92.8  
95 32.4 12.3 52.3

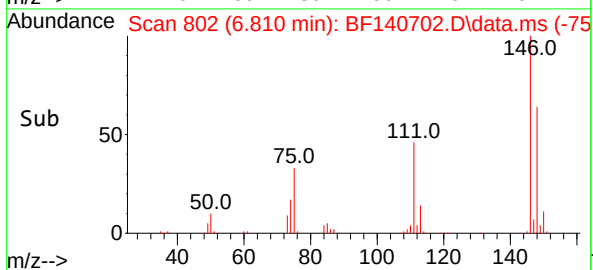
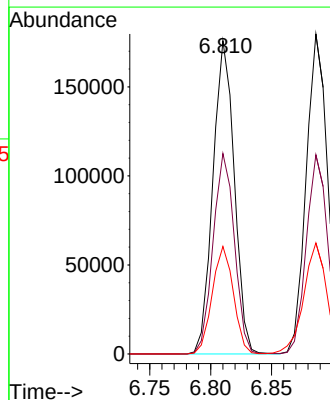
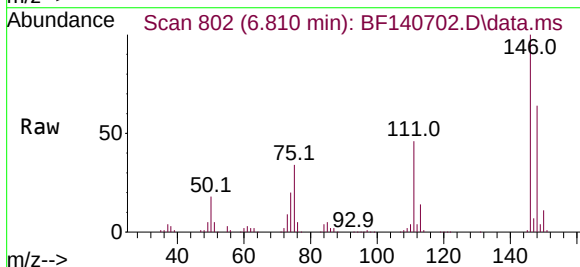
Manual Integrations  
APPROVED

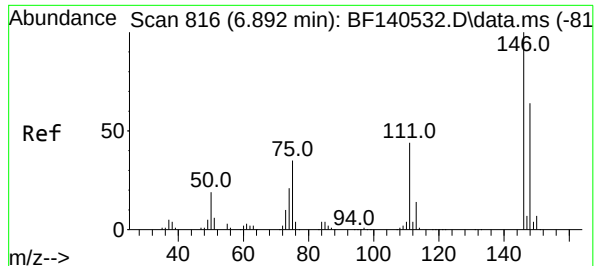
Reviewed By :Jagrut Upadhyay 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024



#12  
1,3-Dichlorobenzene  
Concen: 38.625 ng  
RT: 6.810 min Scan# 802  
Delta R.T. -0.006 min  
Lab File: BF140702.D  
Acq: 03 Dec 2024 11:24

Tgt Ion:146 Resp: 215039  
Ion Ratio Lower Upper  
146 100  
148 64.0 51.3 76.9  
75 34.3 28.2 42.2





#13

1,4-Dichlorobenzene

Concen: 38.980 ng

RT: 6.886 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF140702.D

Acq: 03 Dec 2024 11:24

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

Tgt Ion:146 Resp: 219730

Ion Ratio Lower Upper

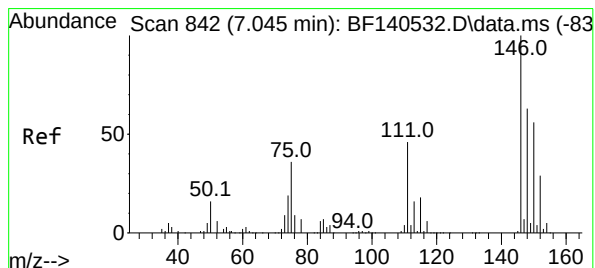
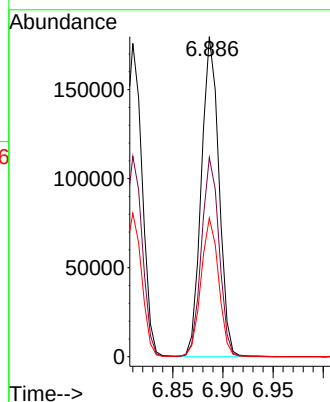
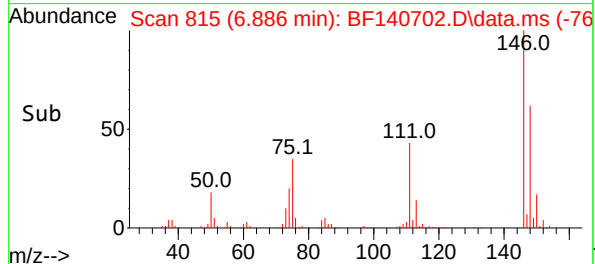
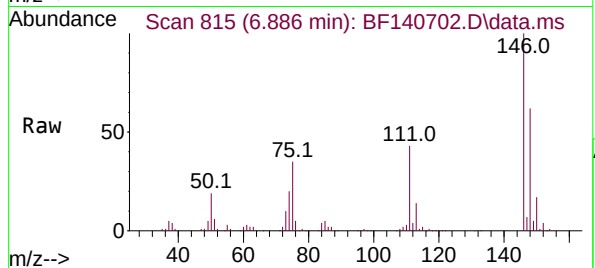
146 100

148 62.2 51.0 76.6

111 43.4 35.3 52.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024

#14

1,2-Dichlorobenzene

Concen: 39.066 ng

RT: 7.039 min Scan# 841

Delta R.T. -0.006 min

Lab File: BF140702.D

Acq: 03 Dec 2024 11:24

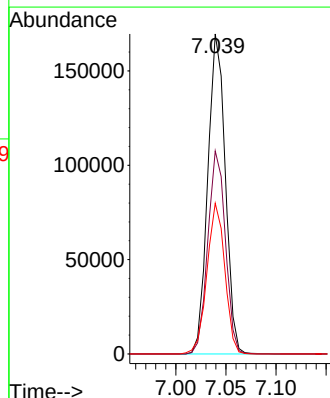
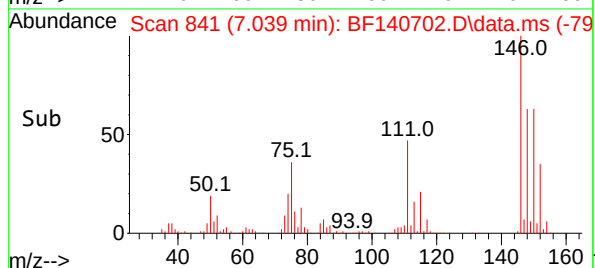
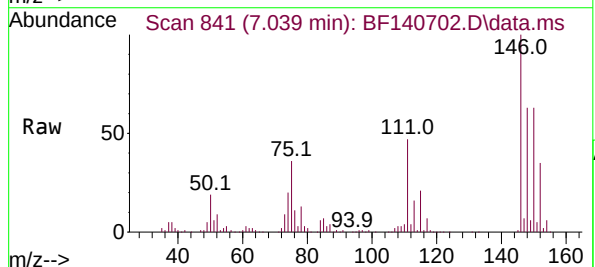
Tgt Ion:146 Resp: 206351

Ion Ratio Lower Upper

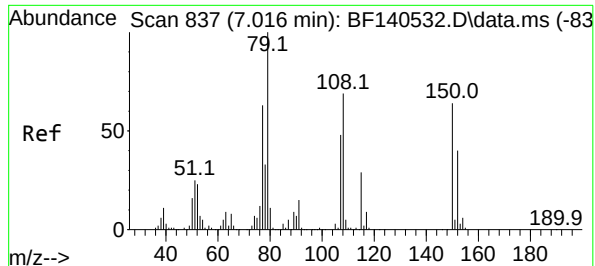
146 100

148 63.4 50.5 75.7

111 47.1 36.7 55.1







#15

Benzyl Alcohol

Concen: 37.912 ng

RT: 7.016 min Scan# 81

Delta R.T. -0.000 min

Lab File: BF140702.D

Acq: 03 Dec 2024 11:24

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 79 Resp: 171178

Ion Ratio Lower Upper

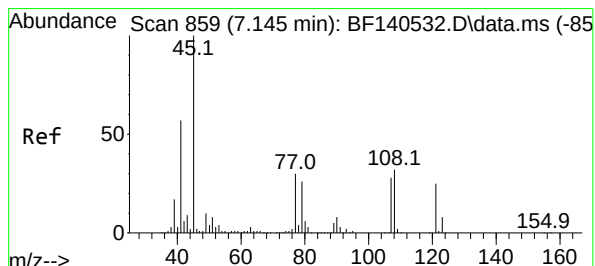
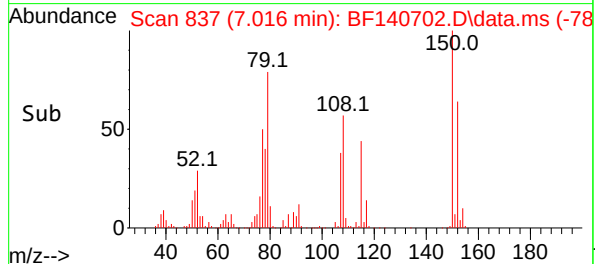
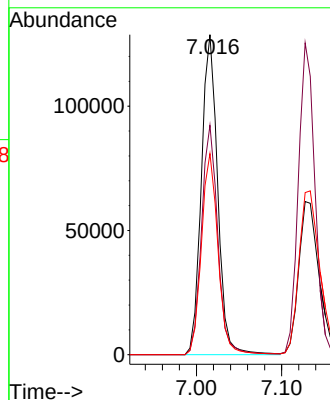
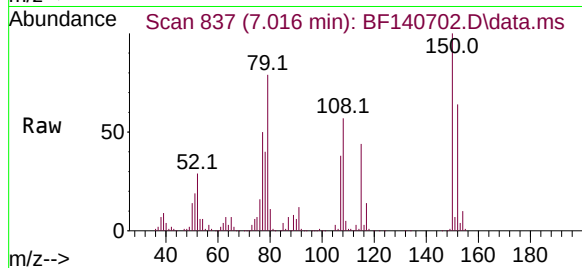
79 100

108 71.7 55.0 82.6

77 62.9 50.1 75.1

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024

#16

2,2'-oxybis(1-Chloropropane)

Concen: 38.885 ng

RT: 7.139 min Scan# 858

Delta R.T. -0.006 min

Lab File: BF140702.D

Acq: 03 Dec 2024 11:24

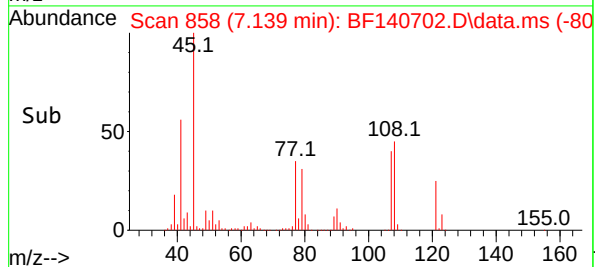
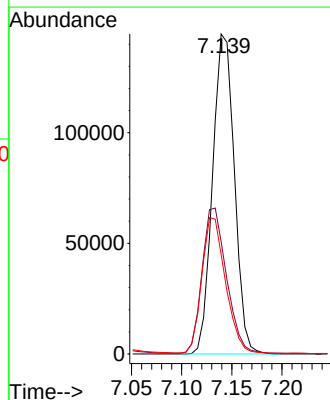
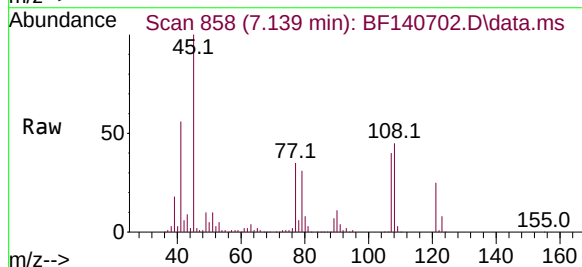
Tgt Ion: 45 Resp: 218575

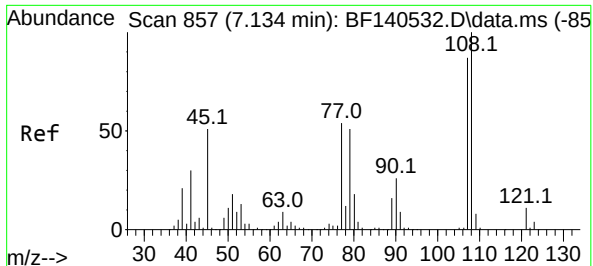
Ion Ratio Lower Upper

45 100

77 35.1 10.7 50.7

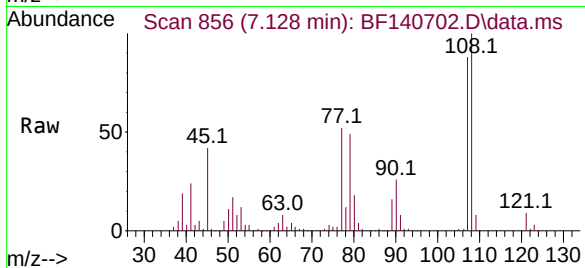
79 31.1 7.0 47.0





#17  
2-Methylphenol  
Concen: 37.747 ng  
RT: 7.128 min Scan# 81  
Delta R.T. -0.006 min  
Lab File: BF140702.D  
Acq: 03 Dec 2024 11:24

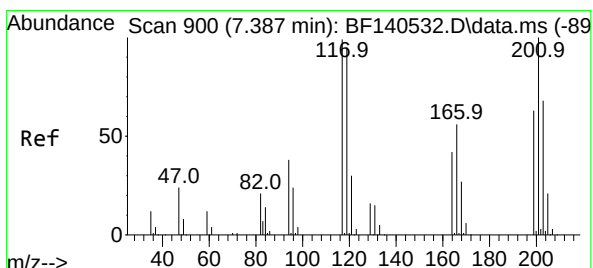
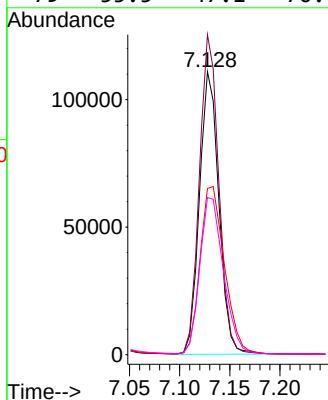
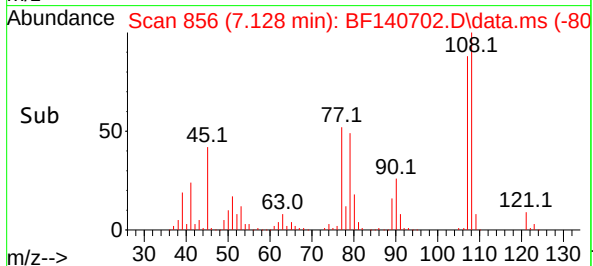
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040



Tgt Ion:107 Resp: 149709  
Ion Ratio Lower Upper  
107 100  
108 113.0 91.7 137.5  
77 58.7 49.3 73.9  
79 55.5 47.1 70.7

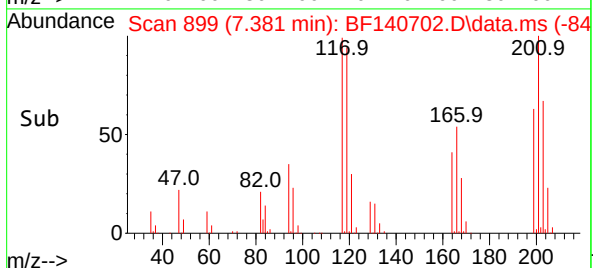
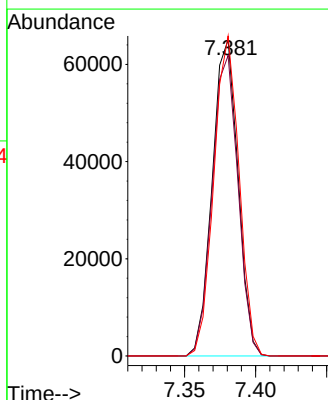
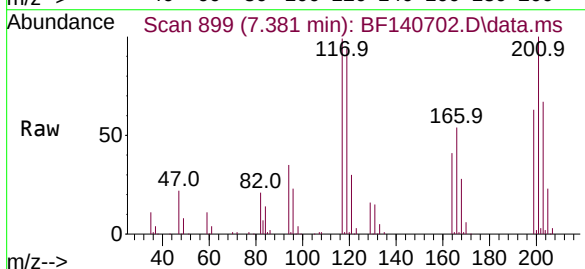
Manual Integrations  
APPROVED

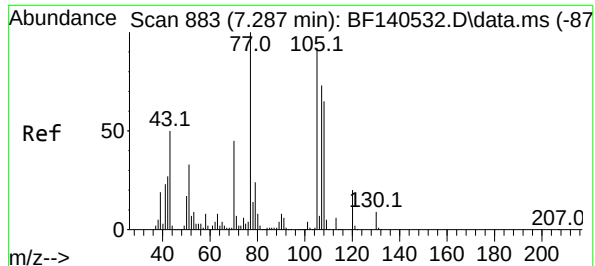
Reviewed By :Jagrut Upadhyay 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024



#18  
Hexachloroethane  
Concen: 38.905 ng  
RT: 7.381 min Scan# 899  
Delta R.T. -0.006 min  
Lab File: BF140702.D  
Acq: 03 Dec 2024 11:24

Tgt Ion:117 Resp: 81909  
Ion Ratio Lower Upper  
117 100  
119 95.1 77.1 115.7  
201 101.2 81.1 121.7





#19

n-Nitroso-di-n-propylamine

Concen: 38.140 ng

RT: 7.281 min Scan# 882

Delta R.T. -0.006 min

Lab File: BF140702.D

Acq: 03 Dec 2024 11:24

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 70 Resp: 137238

Ion Ratio Lower Upper

70 100

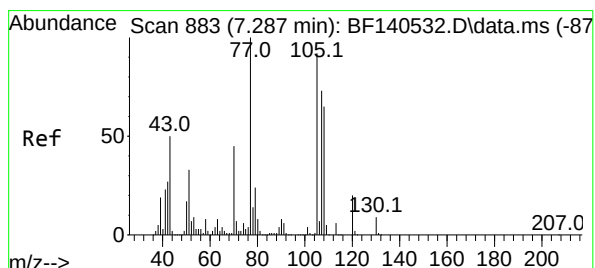
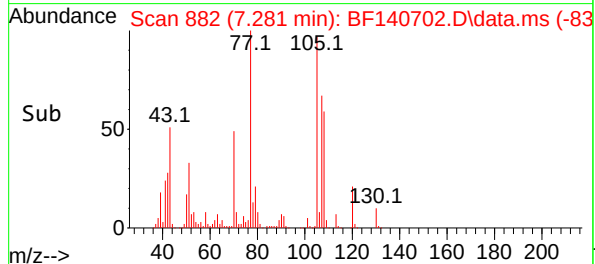
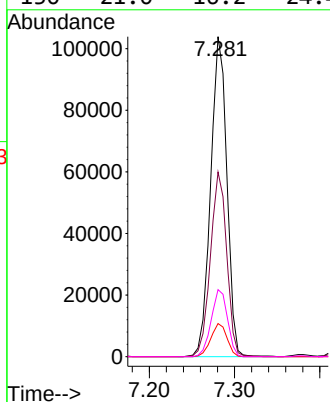
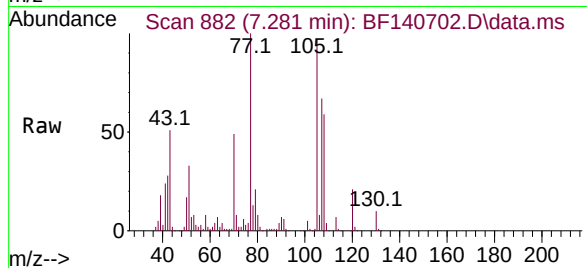
42 57.7 47.6 71.4

101 10.3 7.6 11.4

130 21.0 16.2 24.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024

#20

3+4-Methylphenols

Concen: 38.568 ng

RT: 7.281 min Scan# 882

Delta R.T. -0.006 min

Lab File: BF140702.D

Acq: 03 Dec 2024 11:24

Tgt Ion:107 Resp: 196617

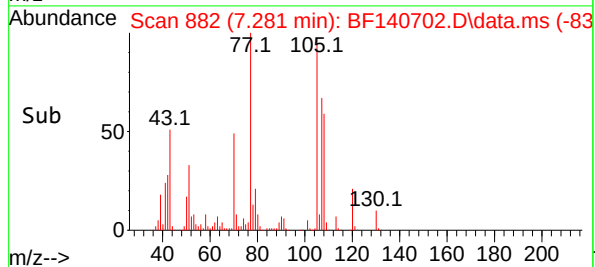
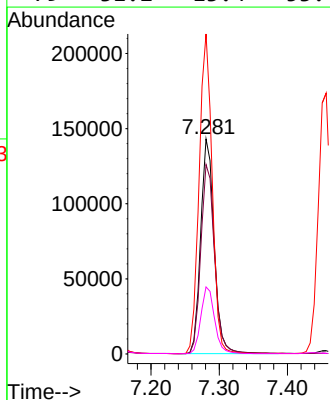
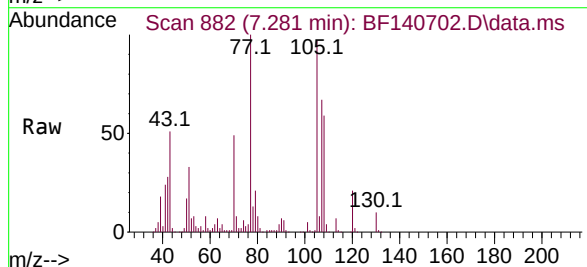
Ion Ratio Lower Upper

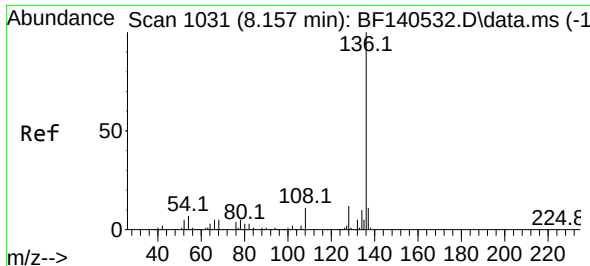
107 100

108 88.1 69.9 109.9

77 148.8 117.7 157.7

79 31.2 13.4 53.4





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.151 min Scan# 1031

Delta R.T. -0.006 min

Lab File: BF140702.D

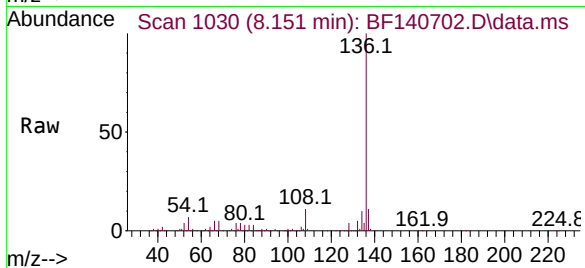
Acq: 03 Dec 2024 11:24

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040



Tgt Ion:136 Resp: 287970

Ion Ratio Lower Upper

136 100

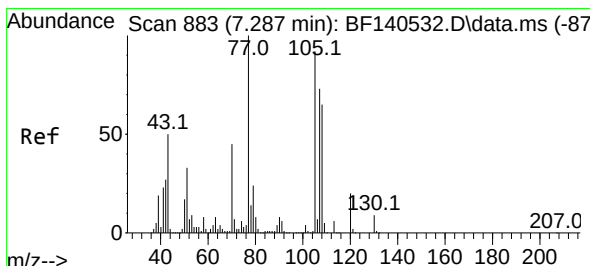
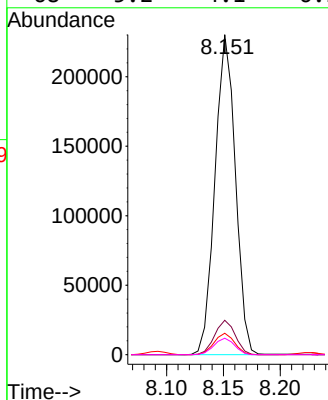
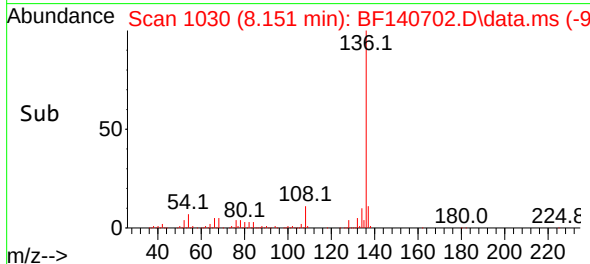
137 10.7 8.6 13.0

54 6.7 5.8 8.8

68 5.2 4.1 6.1

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024

#22

Acetophenone

Concen: 38.257 ng

RT: 7.281 min Scan# 882

Delta R.T. -0.006 min

Lab File: BF140702.D

Acq: 03 Dec 2024 11:24

Tgt Ion:105 Resp: 268592

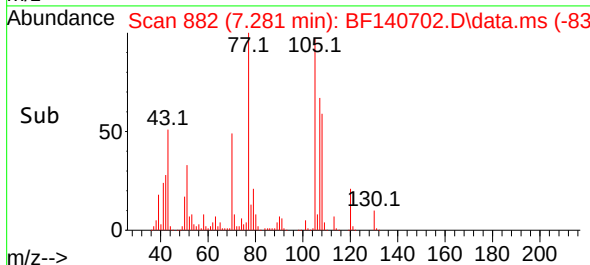
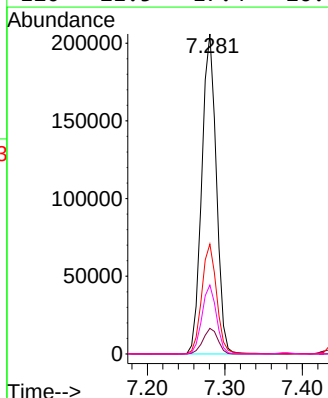
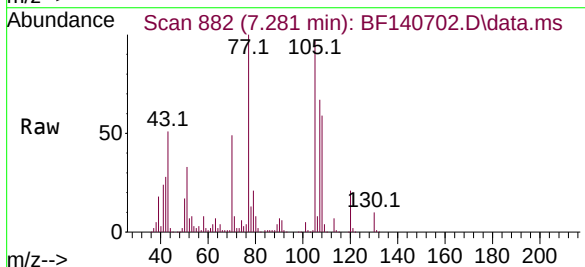
Ion Ratio Lower Upper

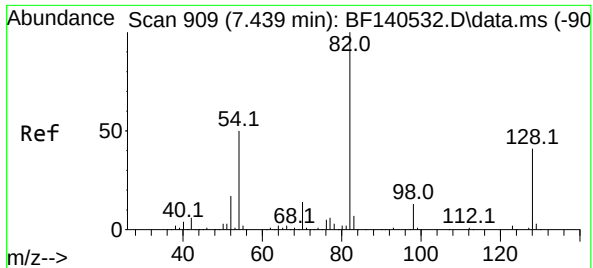
105 100

71 8.0 6.2 9.2

51 34.3 29.0 43.6

120 21.5 17.4 26.0





#23

Nitrobenzene-d5

Concen: 76.184 ng

RT: 7.433 min Scan# 909

Delta R.T. -0.006 min

Lab File: BF140702.D

Acq: 03 Dec 2024 11:24

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 82 Resp: 428914

Ion Ratio Lower Upper

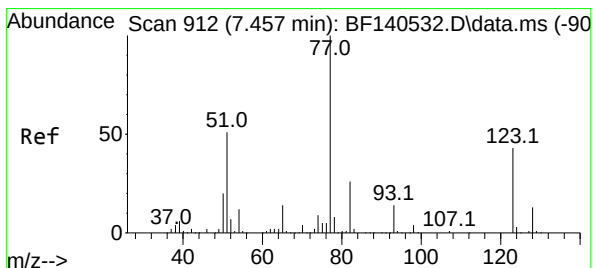
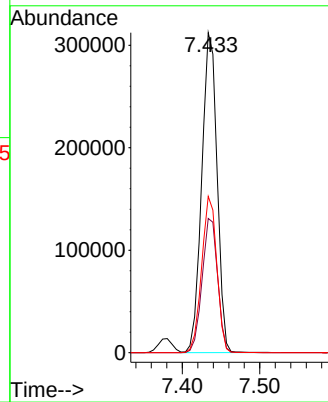
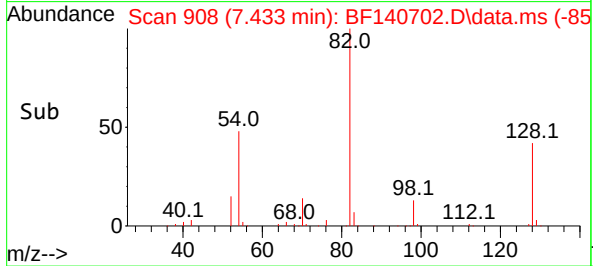
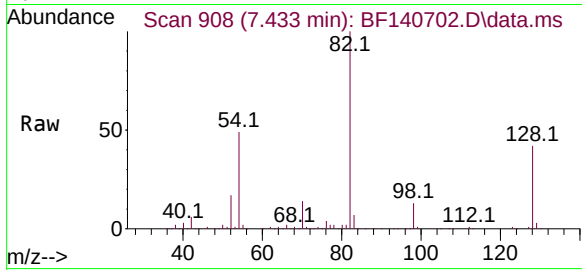
82 100

128 42.0 33.0 49.4

54 48.9 39.5 59.3

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024

#24

Nitrobenzene

Concen: 37.883 ng

RT: 7.457 min Scan# 912

Delta R.T. -0.000 min

Lab File: BF140702.D

Acq: 03 Dec 2024 11:24

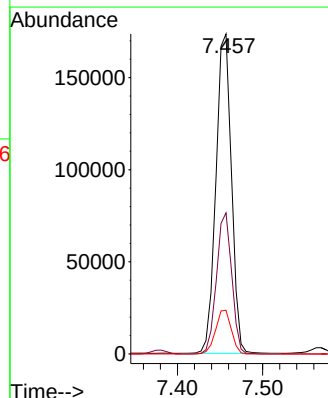
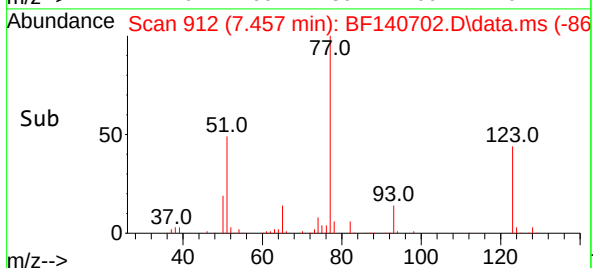
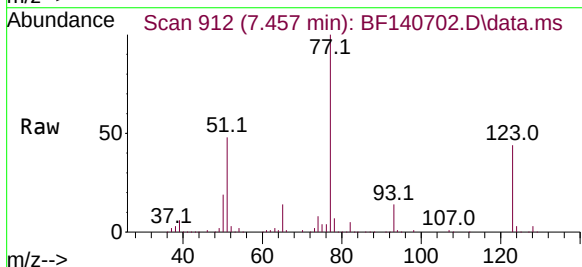
Tgt Ion: 77 Resp: 220435

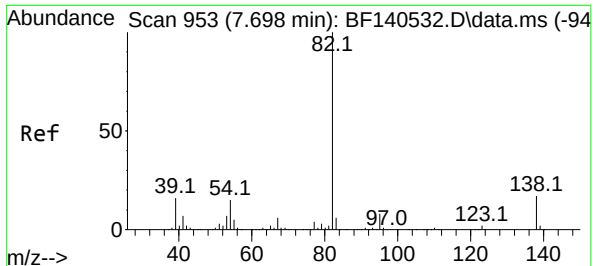
Ion Ratio Lower Upper

77 100

123 44.1 34.3 51.5

65 13.7 11.2 16.8





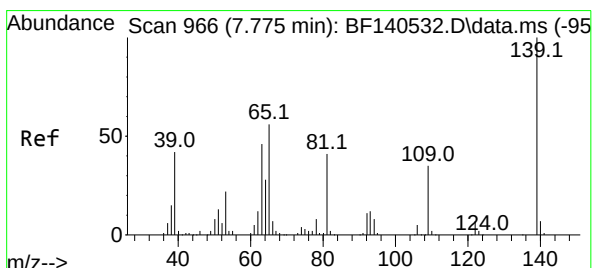
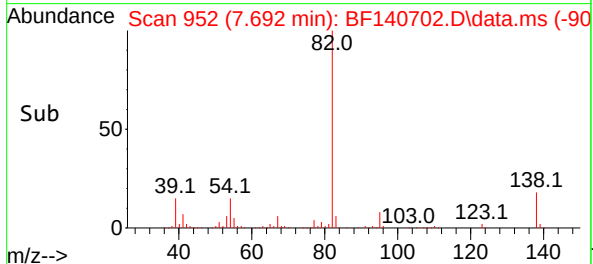
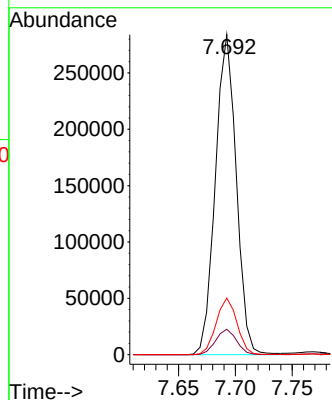
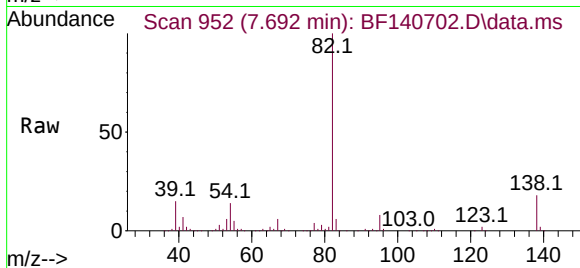
#25  
Isophorone  
Concen: 38.738 ng  
RT: 7.692 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: BF140702.D  
Acq: 03 Dec 2024 11:24

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

Tgt Ion: 82 Resp: 363764  
Ion Ratio Lower Upper  
82 100  
95 7.9 6.4 9.6  
138 17.7 13.8 20.6

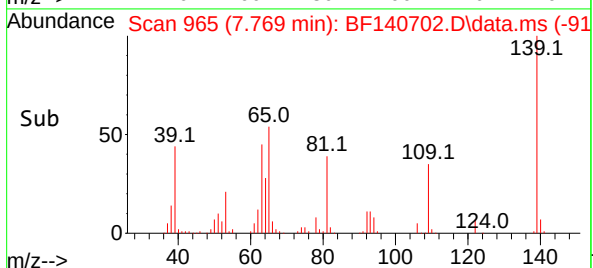
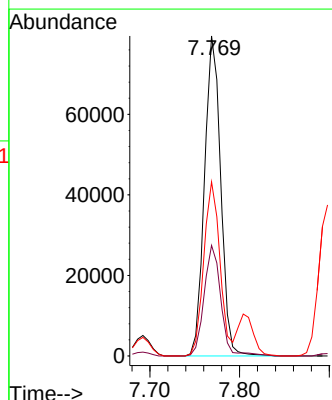
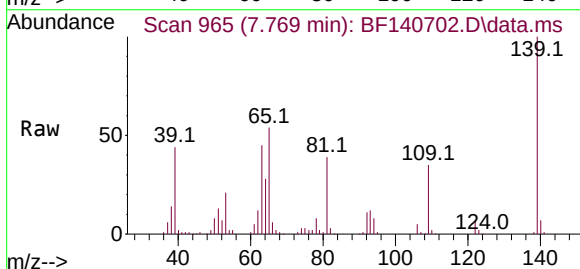
Manual Integrations  
APPROVED

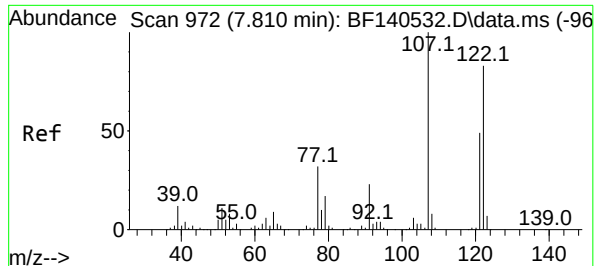
Reviewed By :Jagrut Upadhyay 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024



#26  
2-Nitrophenol  
Concen: 38.717 ng  
RT: 7.769 min Scan# 965  
Delta R.T. -0.006 min  
Lab File: BF140702.D  
Acq: 03 Dec 2024 11:24

Tgt Ion:139 Resp: 99836  
Ion Ratio Lower Upper  
139 100  
109 34.6 28.0 42.0  
65 54.4 44.6 67.0





#27

2,4-Dimethylphenol

Concen: 40.738 ng m

RT: 7.804 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF140702.D

Acq: 03 Dec 2024 11:24

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

Tgt Ion:122 Resp: 125689

Ion Ratio Lower Upper

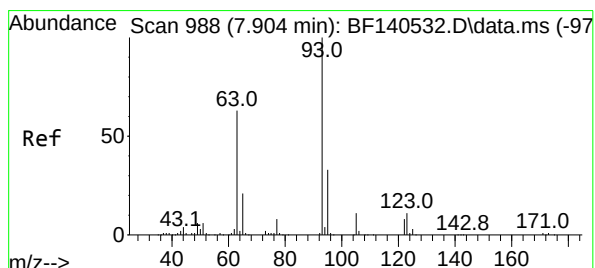
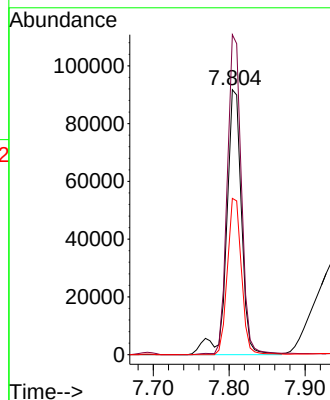
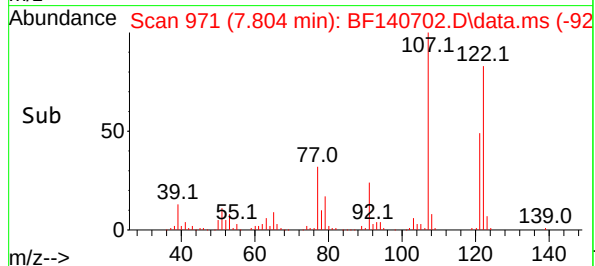
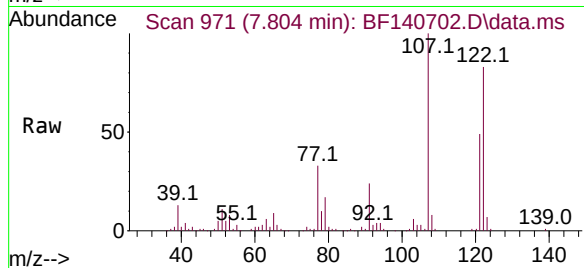
122 100

107 120.8 96.8 145.2

121 59.0 47.4 71.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024

#28

bis(2-Chloroethoxy)methane

Concen: 39.270 ng

RT: 7.898 min Scan# 987

Delta R.T. -0.006 min

Lab File: BF140702.D

Acq: 03 Dec 2024 11:24

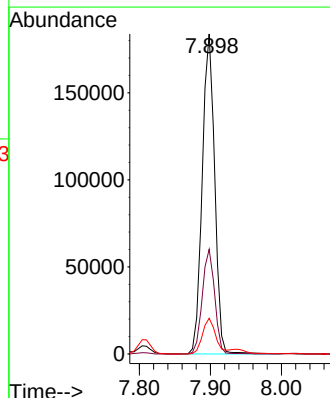
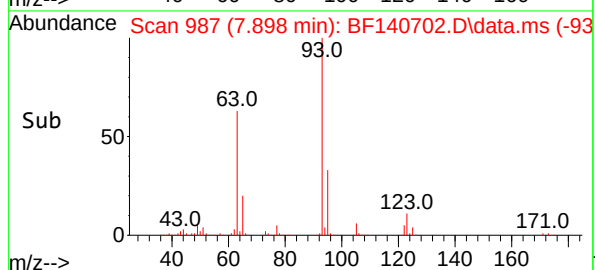
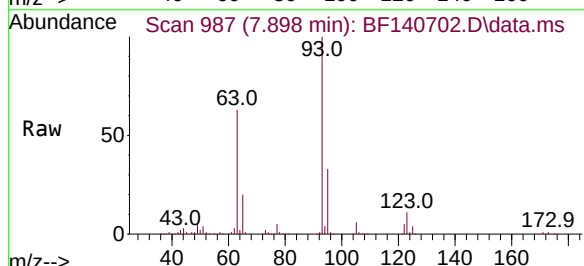
Tgt Ion: 93 Resp: 224648

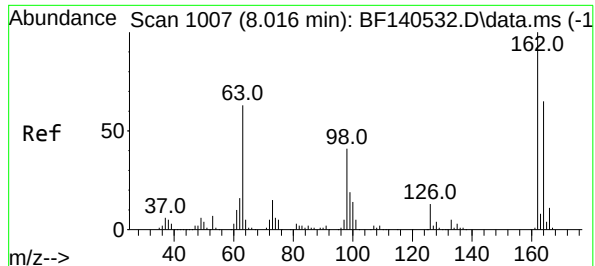
Ion Ratio Lower Upper

93 100

95 32.7 26.1 39.1

123 11.1 9.1 13.7





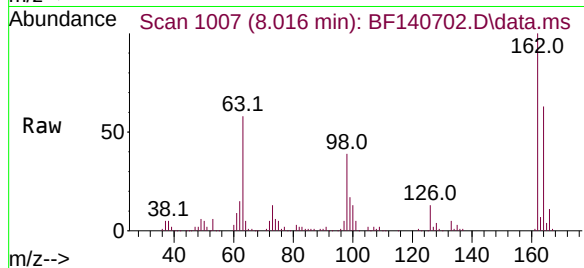
#29  
2,4-Dichlorophenol  
Concen: 39.821 ng  
RT: 8.016 min Scan# 1007  
Delta R.T. -0.000 min  
Lab File: BF140702.D  
Acq: 03 Dec 2024 11:24

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

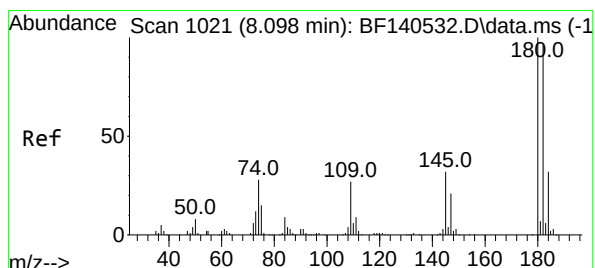
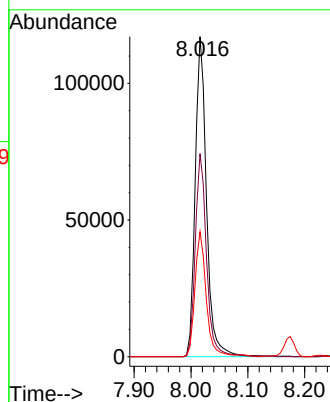
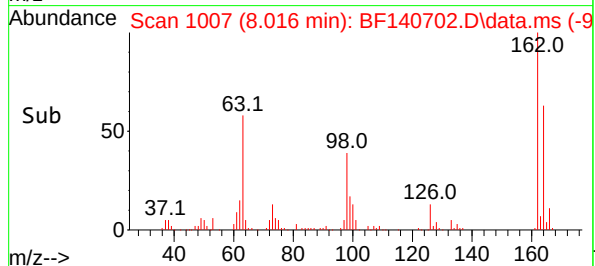


Tgt Ion:162 Resp: 162790  
Ion Ratio Lower Upper  
162 100  
164 63.4 44.8 84.8  
98 39.0 21.2 61.2

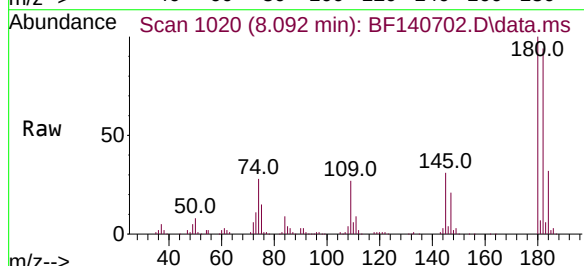
Manual Integrations

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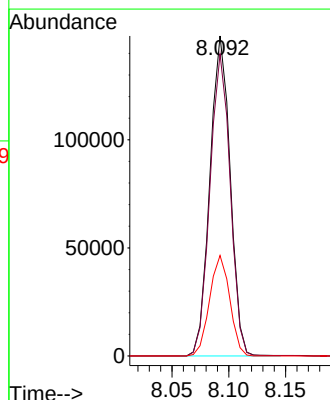
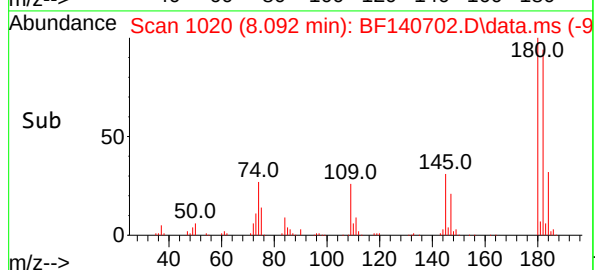
Reviewed By :Jagrut Upadhyay 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024



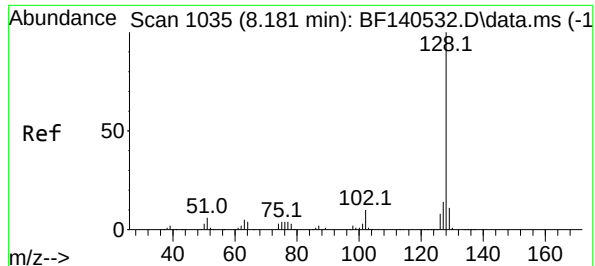
#30  
1,2,4-Trichlorobenzene  
Concen: 39.354 ng  
RT: 8.092 min Scan# 1020  
Delta R.T. -0.006 min  
Lab File: BF140702.D  
Acq: 03 Dec 2024 11:24



Tgt Ion:180 Resp: 183699  
Ion Ratio Lower Upper  
180 100  
182 94.3 76.4 114.6  
145 31.4 25.9 38.9







#31

Naphthalene

Concen: 38.658 ng

RT: 8.175 min Scan# 1034

Delta R.T. -0.006 min

Lab File: BF140702.D

Acq: 03 Dec 2024 11:24

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

Tgt Ion:128 Resp: 573428

Ion Ratio Lower Upper

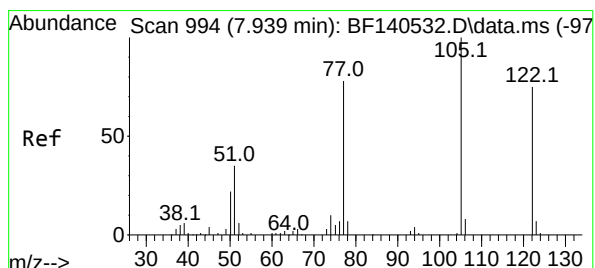
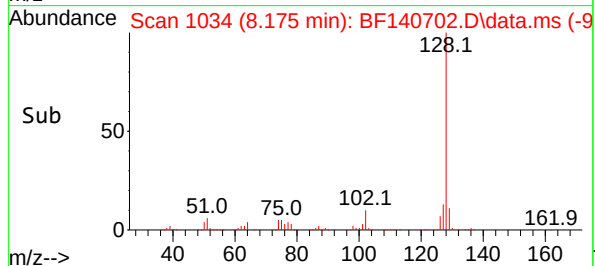
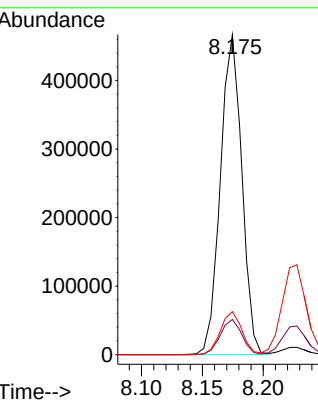
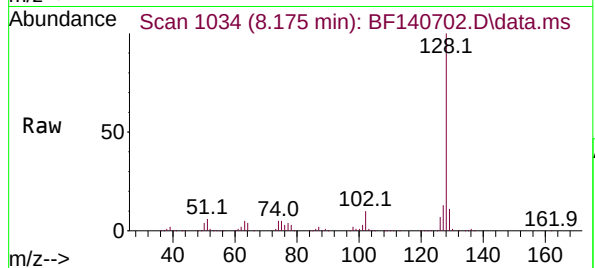
128 100

129 11.0 8.6 13.0

127 13.5 10.8 16.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024

#32

Benzoic acid

Concen: 35.627 ng

RT: 7.933 min Scan# 993

Delta R.T. -0.006 min

Lab File: BF140702.D

Acq: 03 Dec 2024 11:24

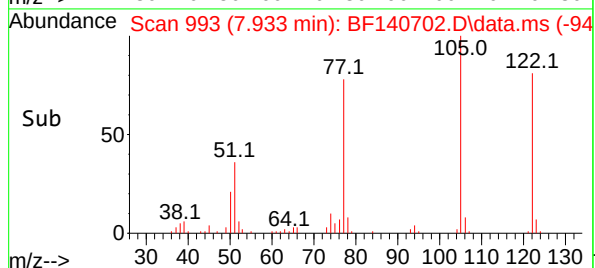
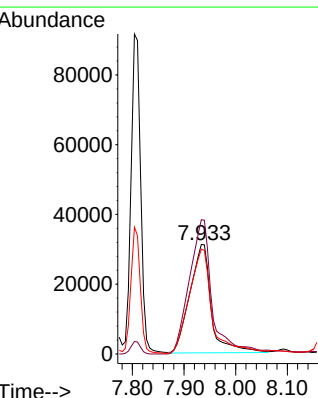
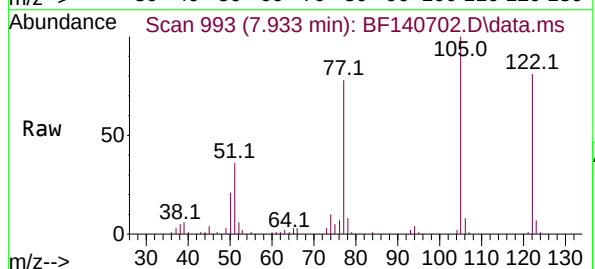
Tgt Ion:122 Resp: 89798

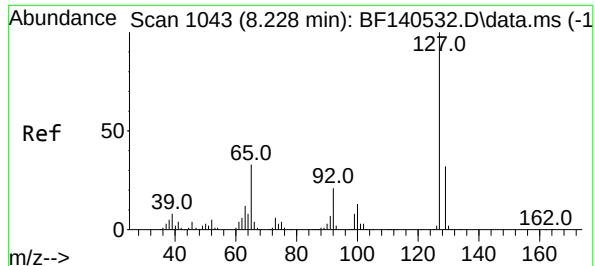
Ion Ratio Lower Upper

122 100

105 122.8 109.3 149.3

77 95.9 82.3 122.3





#33

4-Chloroaniline

Concen: 42.636 ng

RT: 8.228 min Scan# 1043

Delta R.T. -0.000 min

Lab File: BF140702.D

Acq: 03 Dec 2024 11:24

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

Tgt Ion:127 Resp: 18935

Ion Ratio Lower Upper

127 100

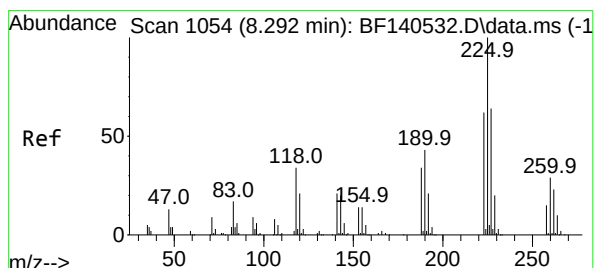
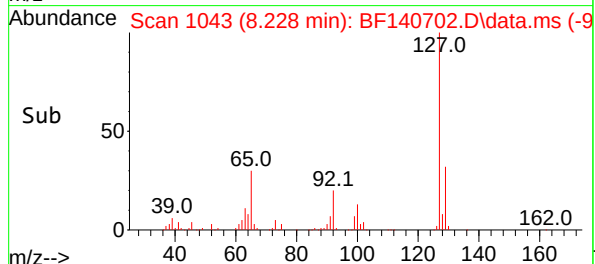
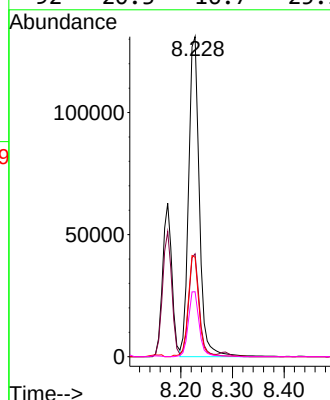
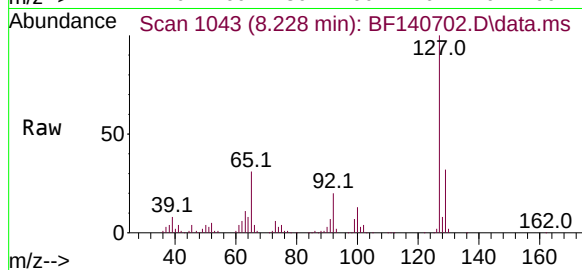
129 32.1 26.0 39.0

65 31.1 26.0 39.0

92 20.3 16.7 25.1

Manual Integrations

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Reviewed By :Jagrut Upadhyay 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024

#34

Hexachlorobutadiene

Concen: 40.096 ng

RT: 8.286 min Scan# 1053

Delta R.T. -0.006 min

Lab File: BF140702.D

Acq: 03 Dec 2024 11:24

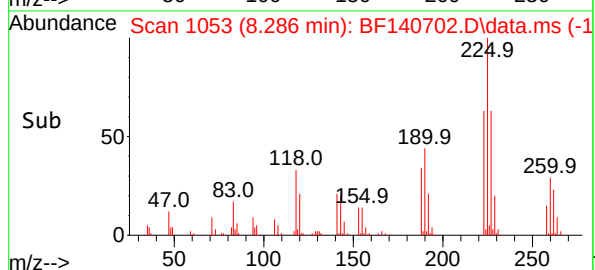
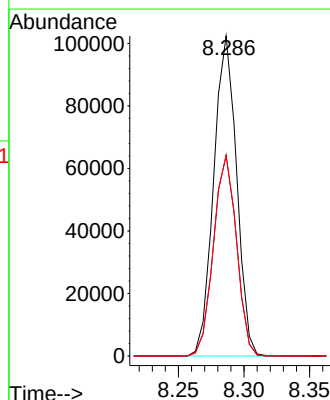
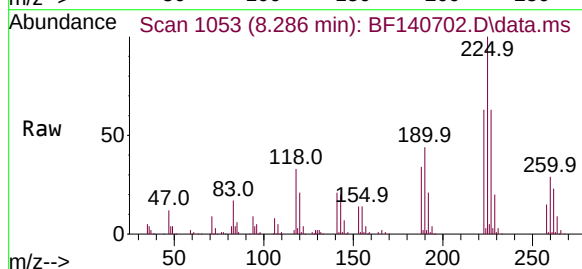
Tgt Ion:225 Resp: 123968

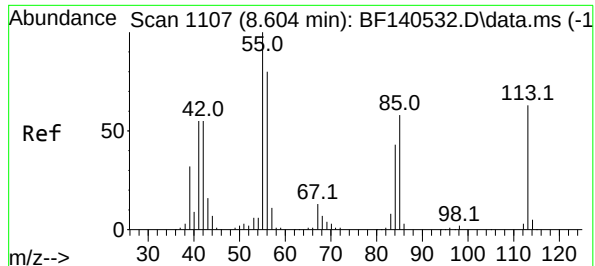
Ion Ratio Lower Upper

225 100

223 62.6 49.8 74.8

227 62.7 51.3 76.9





#35

Caprolactam

Concen: 37.400 ng

RT: 8.598 min Scan# 1106

Delta R.T. -0.006 min

Lab File: BF140702.D

Acq: 03 Dec 2024 11:24

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

Tgt Ion:113 Resp: 47318

Ion Ratio Lower Upper

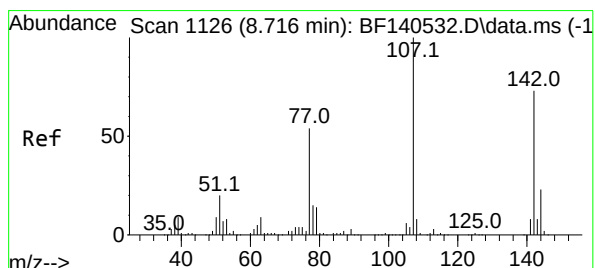
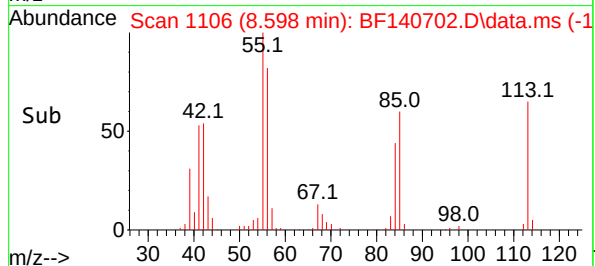
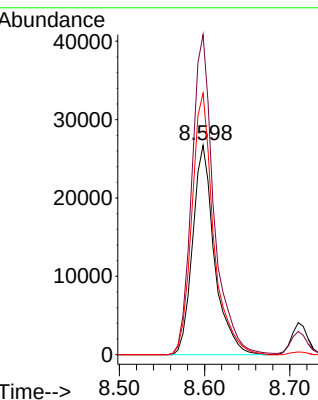
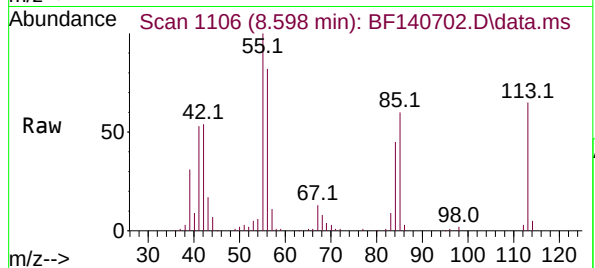
113 100

55 152.8 137.7 177.7

56 124.9 106.4 146.4

Manual Integrations

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Reviewed By :Jagrut Upadhyay 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024

#36

4-Chloro-3-methylphenol

Concen: 38.355 ng

RT: 8.710 min Scan# 1125

Delta R.T. -0.006 min

Lab File: BF140702.D

Acq: 03 Dec 2024 11:24

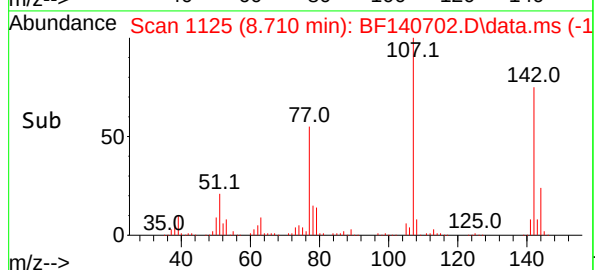
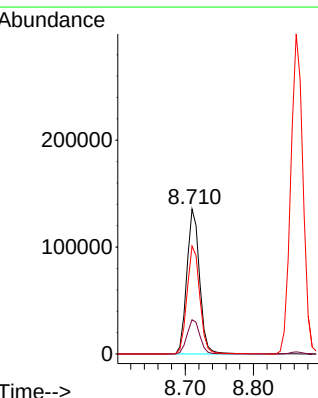
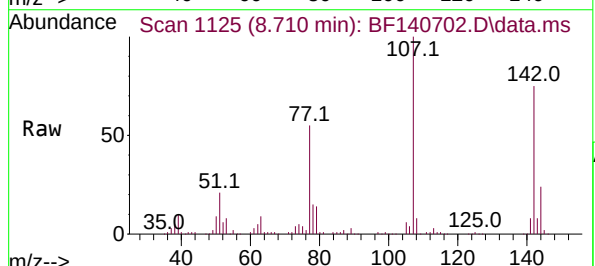
Tgt Ion:107 Resp: 175561

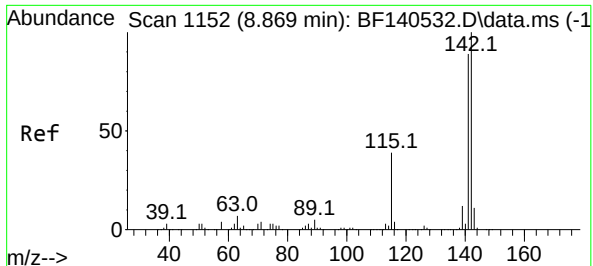
Ion Ratio Lower Upper

107 100

144 23.7 18.7 28.1

142 74.5 58.3 87.5





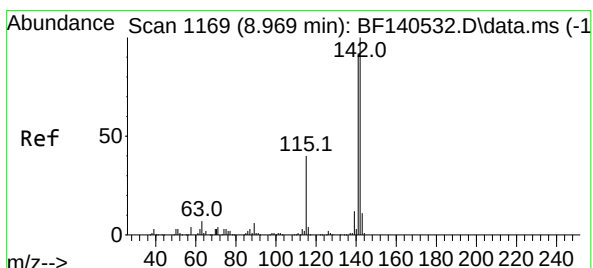
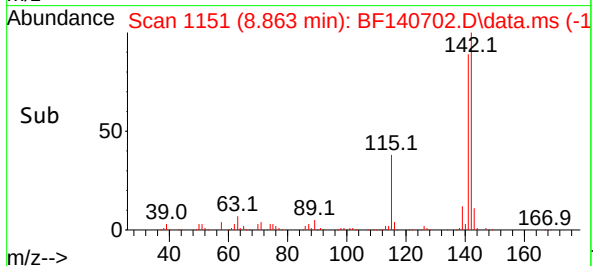
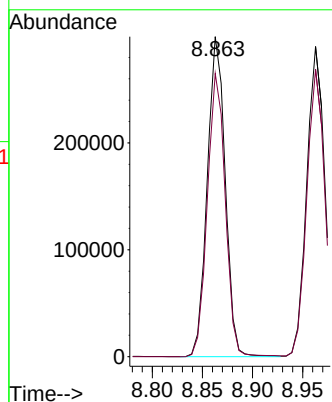
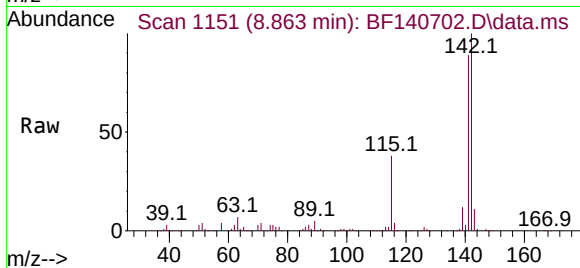
#37  
2-Methylnaphthalene  
Concen: 39.683 ng  
RT: 8.863 min Scan# 1151  
Delta R.T. -0.006 min  
Lab File: BF140702.D  
Acq: 03 Dec 2024 11:24

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

Tgt Ion:142 Resp: 373870  
Ion Ratio Lower Upper  
142 100  
141 88.5 71.0 106.6

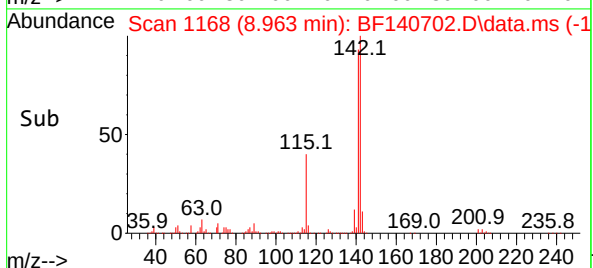
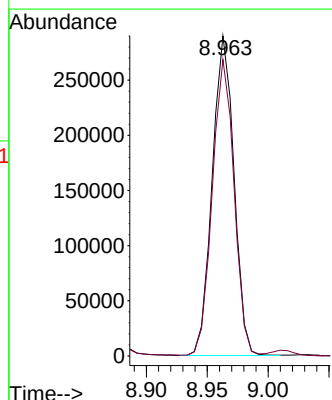
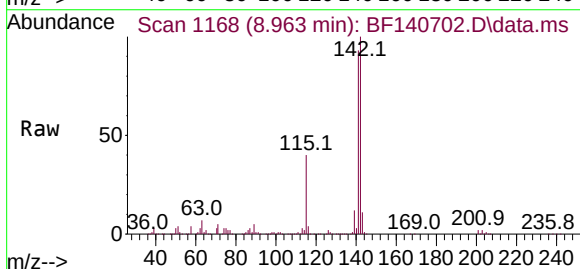
Manual Integrations  
APPROVED

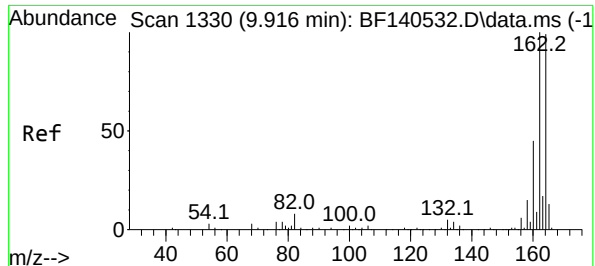
Reviewed By :Jagrut Upadhyay 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024



#38  
1-Methylnaphthalene  
Concen: 38.933 ng  
RT: 8.963 min Scan# 1168  
Delta R.T. -0.006 min  
Lab File: BF140702.D  
Acq: 03 Dec 2024 11:24

Tgt Ion:142 Resp: 359542  
Ion Ratio Lower Upper  
142 100  
141 92.7 73.3 109.9





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.910 min Scan# 1180

Delta R.T. -0.006 min

Lab File: BF140702.D

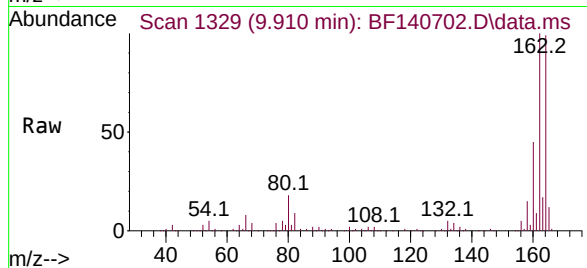
Acq: 03 Dec 2024 11:24

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040



Tgt Ion:164 Resp: 16185

Ion Ratio Lower Upper

164 100

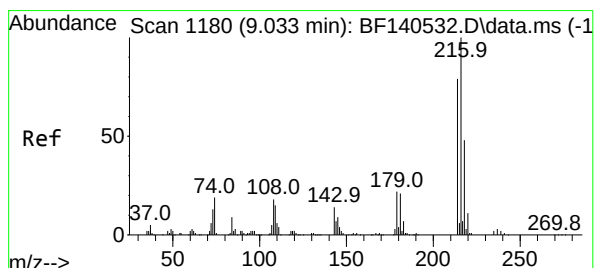
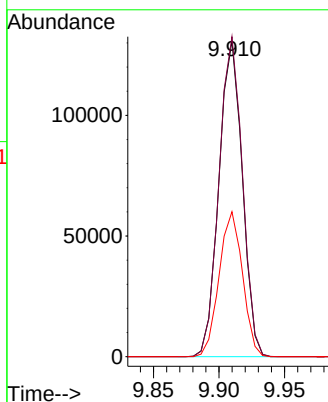
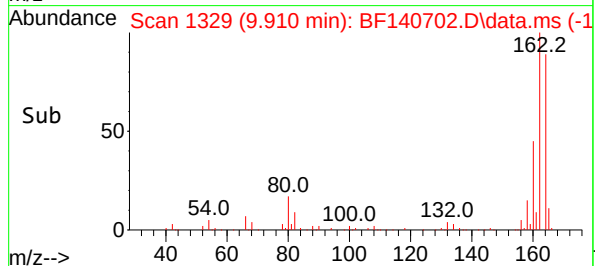
162 101.4 80.6 120.8

160 45.9 36.2 54.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/03/2024  
 Supervised By :mohammad ahmed 12/05/2024



#40

1,2,4,5-Tetrachlorobenzene

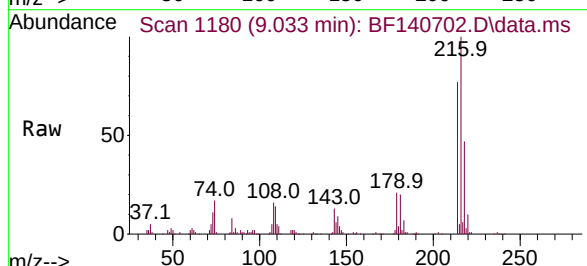
Concen: 39.292 ng

RT: 9.033 min Scan# 1180

Delta R.T. -0.000 min

Lab File: BF140702.D

Acq: 03 Dec 2024 11:24



Tgt Ion:216 Resp: 186183

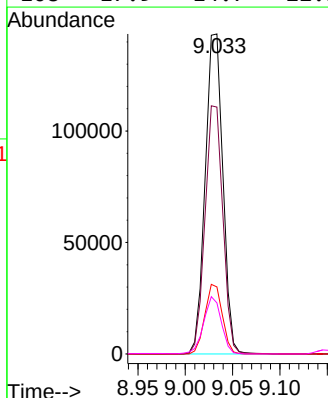
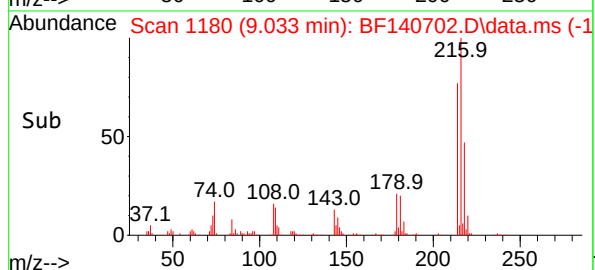
Ion Ratio Lower Upper

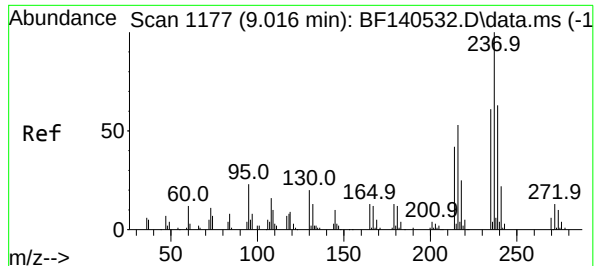
216 100

214 77.9 63.0 94.4

179 21.4 17.5 26.3

108 17.9 14.7 22.1





#41

Hexachlorocyclopentadiene

Concen: 46.421 ng

RT: 9.016 min Scan# 1177

Delta R.T. -0.000 min

Lab File: BF140702.D

Acq: 03 Dec 2024 11:24

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

Tgt Ion:237 Resp: 4585

Ion Ratio Lower Upper

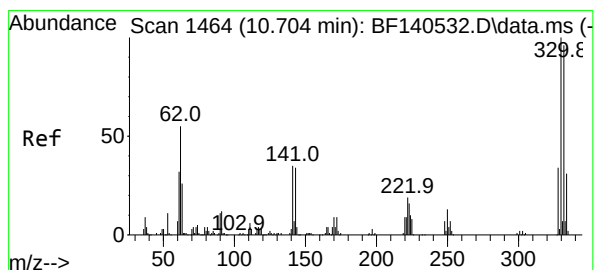
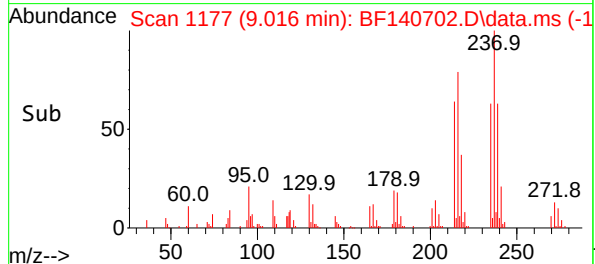
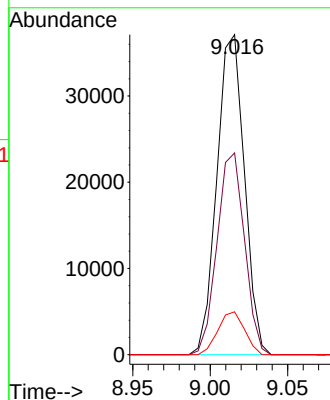
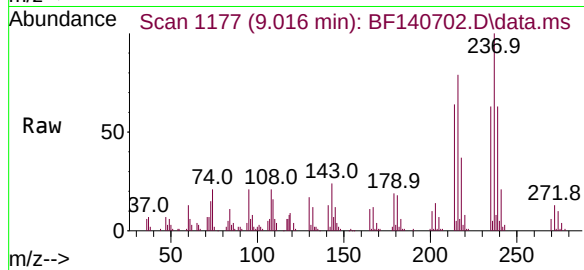
237 100

235 63.0 41.1 81.1

272 13.4 0.0 32.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024

#42

2,4,6-Tribromophenol

Concen: 78.050 ng

RT: 10.704 min Scan# 1464

Delta R.T. -0.000 min

Lab File: BF140702.D

Acq: 03 Dec 2024 11:24

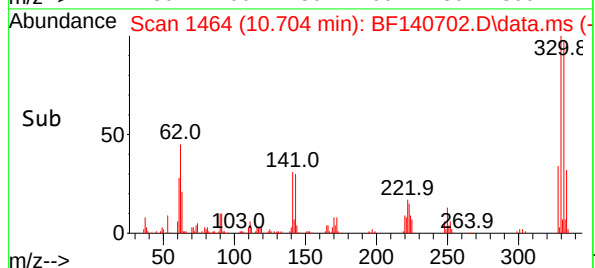
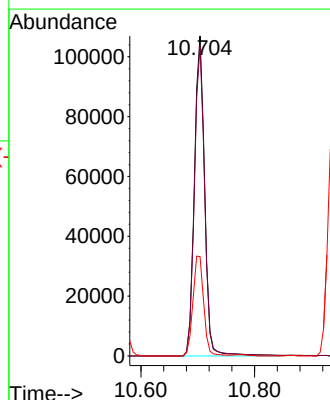
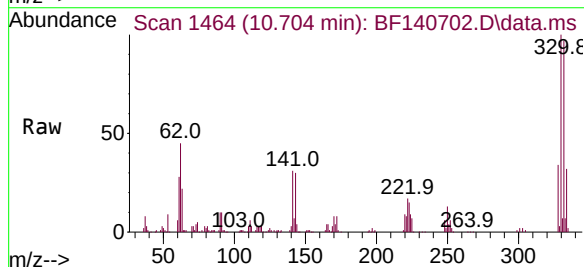
Tgt Ion:330 Resp: 135112

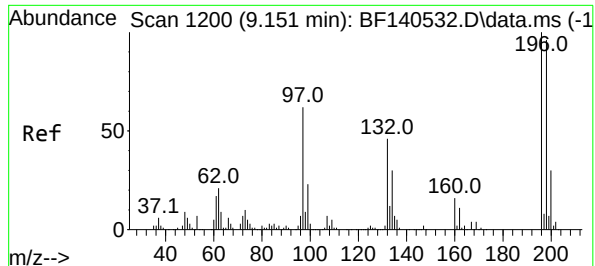
Ion Ratio Lower Upper

330 100

332 96.3 76.9 115.3

141 32.6 26.7 40.1





#43  
2,4,6-Trichlorophenol  
Concen: 39.253 ng  
RT: 9.145 min Scan# 1199  
Delta R.T. -0.006 min  
Lab File: BF140702.D  
Acq: 03 Dec 2024 11:24

Instrument :

BNA\_F

ClientSampleId :

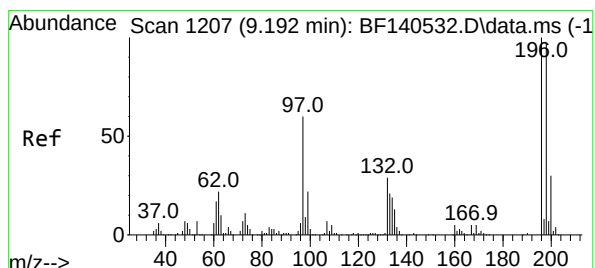
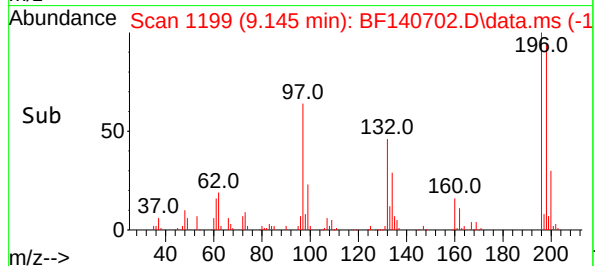
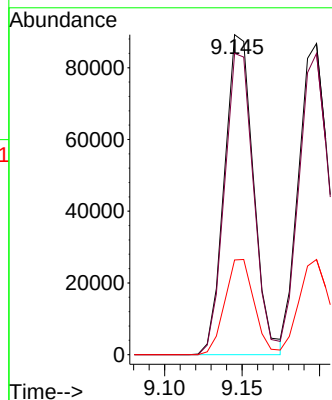
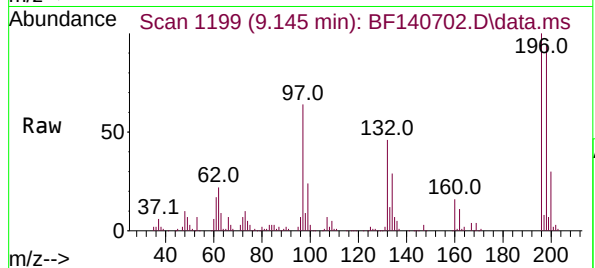
SSTDCCC040

| Tgt Ion | 196 | 198   | 200  |
|---------|-----|-------|------|
| Ratio   | 100 | 94.2  | 29.6 |
| Lower   |     | 76.8  | 24.3 |
| Upper   |     | 115.2 | 36.5 |

Manual Integrations

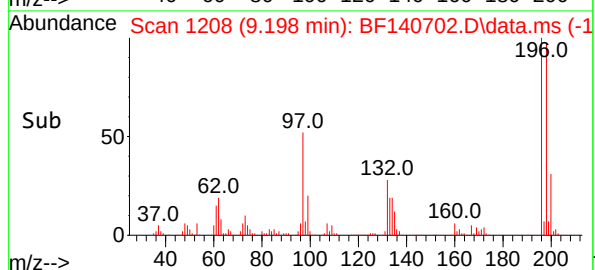
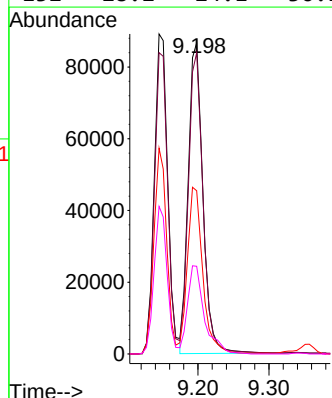
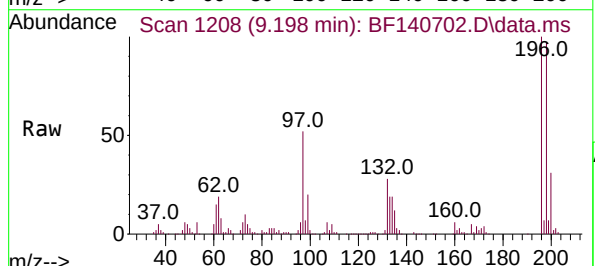
APPROVED

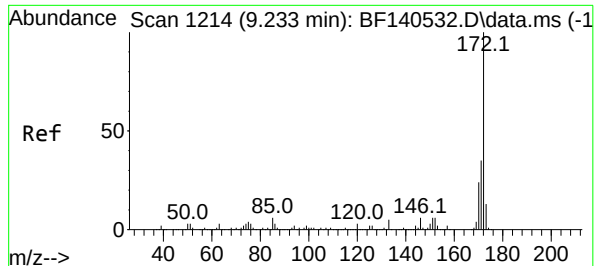
Reviewed By :Jagrut Upadhyay 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024



#44  
2,4,5-Trichlorophenol  
Concen: 38.605 ng  
RT: 9.198 min Scan# 1208  
Delta R.T. 0.006 min  
Lab File: BF140702.D  
Acq: 03 Dec 2024 11:24

| Tgt Ion | 196 | 198   | 97   | 132  |
|---------|-----|-------|------|------|
| Ratio   | 100 | 96.8  | 52.5 | 28.2 |
| Lower   |     | 77.2  | 47.1 | 24.1 |
| Upper   |     | 115.8 | 70.7 | 36.1 |





#45

2-Fluorobiphenyl

Concen: 78.355 ng

RT: 9.227 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF140702.D

Acq: 03 Dec 2024 11:24

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

Tgt Ion:172 Resp: 851200

Ion Ratio Lower Upper

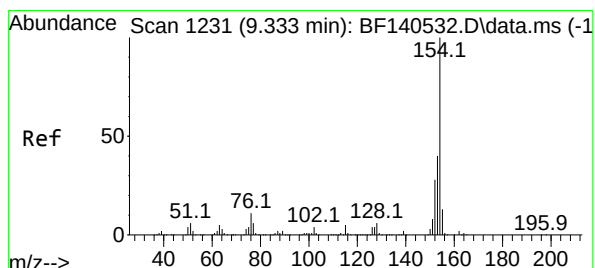
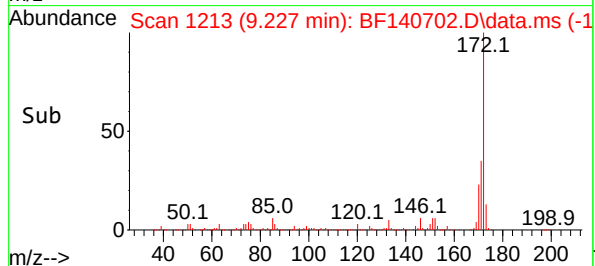
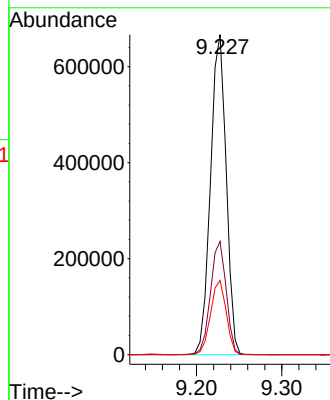
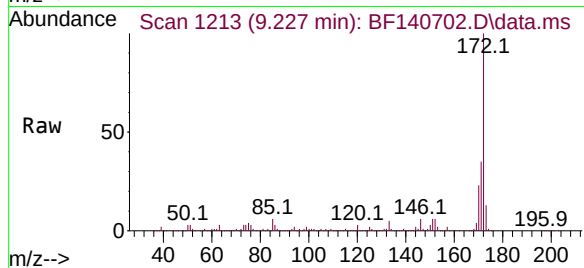
172 100

171 35.4 28.4 42.6

170 23.2 19.0 28.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024

#46

1,1'-Biphenyl

Concen: 39.625 ng

RT: 9.327 min Scan# 1230

Delta R.T. -0.006 min

Lab File: BF140702.D

Acq: 03 Dec 2024 11:24

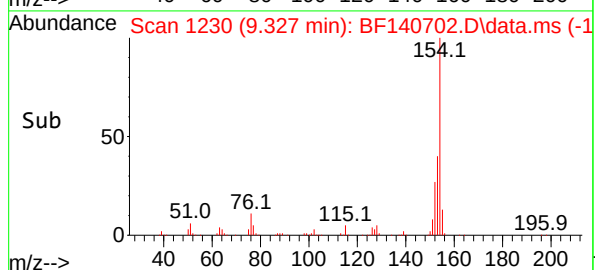
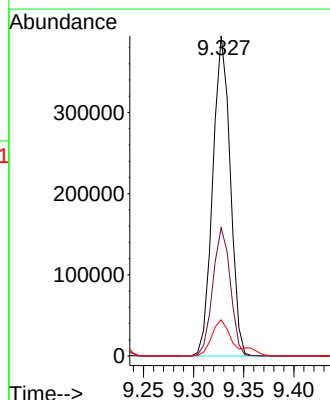
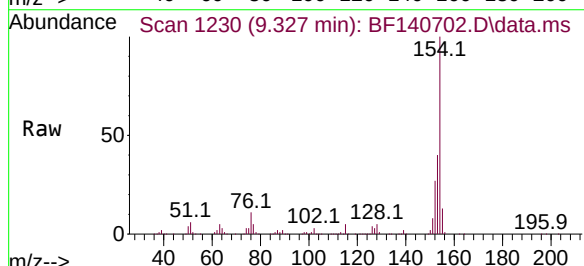
Tgt Ion:154 Resp: 478849

Ion Ratio Lower Upper

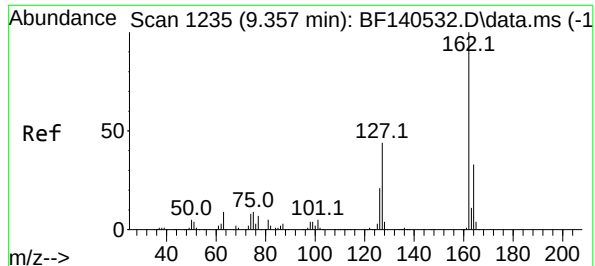
154 100

153 40.1 20.4 60.4

76 11.3 0.0 31.2







#47

2-Chloronaphthalene

Concen: 38.572 ng

RT: 9.357 min Scan# 1235

Delta R.T. -0.000 min

Lab File: BF140702.D

Acq: 03 Dec 2024 11:24

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

Tgt Ion:162 Resp: 35319

Ion Ratio Lower Upper

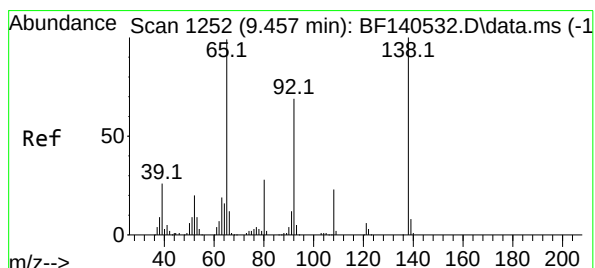
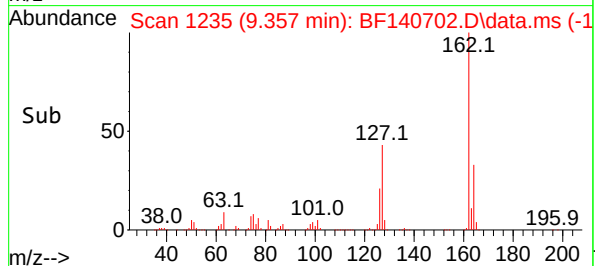
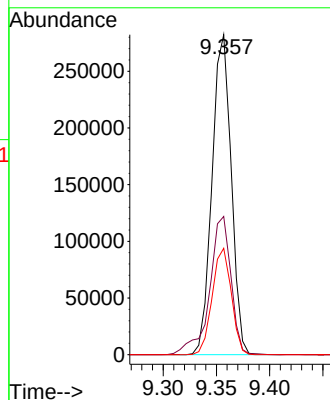
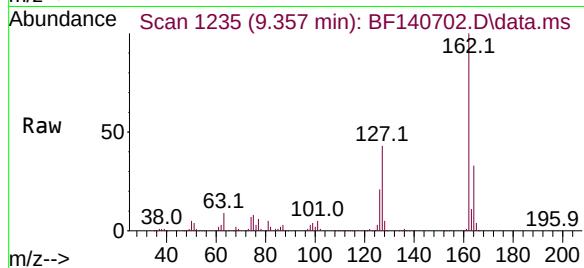
162 100

127 43.2 35.7 53.5

164 33.2 26.1 39.1

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024

#48

2-Nitroaniline

Concen: 37.346 ng

RT: 9.457 min Scan# 1252

Delta R.T. -0.000 min

Lab File: BF140702.D

Acq: 03 Dec 2024 11:24

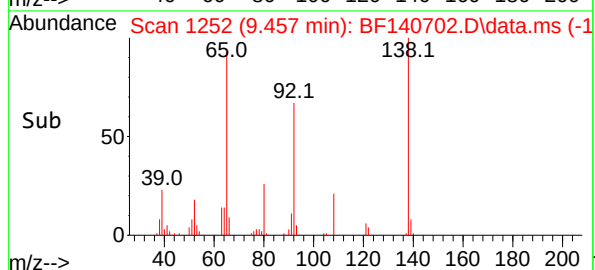
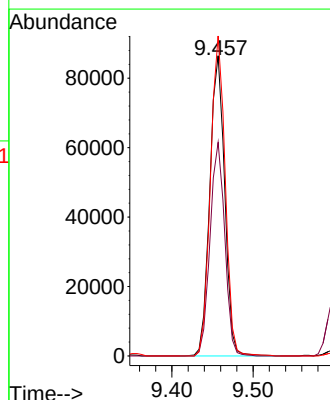
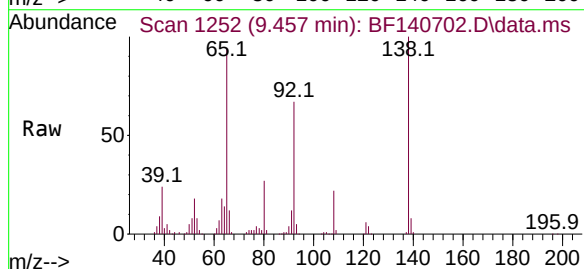
Tgt Ion: 65 Resp: 109766

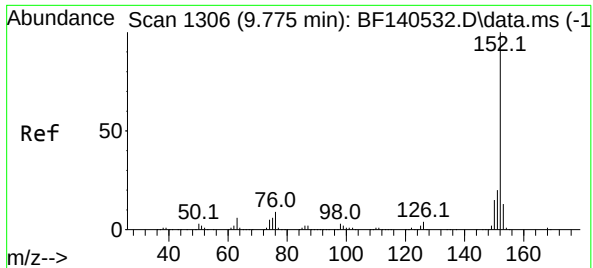
Ion Ratio Lower Upper

65 100

92 71.1 56.1 84.1

138 106.5 81.0 121.6





#49

Acenaphthylene

Concen: 38.719 ng

RT: 9.769 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF140702.D

Acq: 03 Dec 2024 11:24

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

Tgt Ion:152 Resp: 535680

Ion Ratio Lower Upper

152 100

151 20.4 15.9 23.9

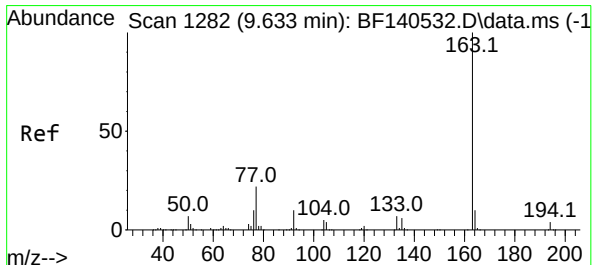
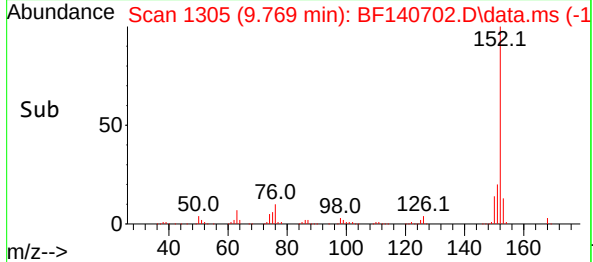
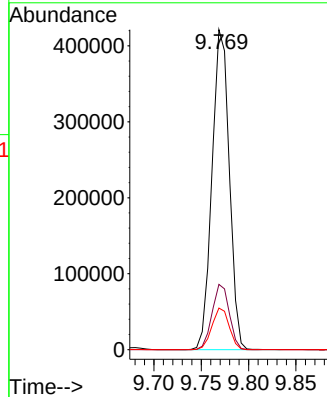
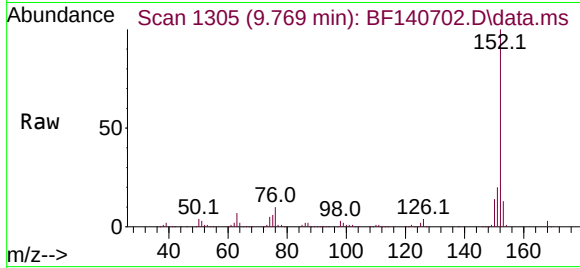
153 13.0 10.6 16.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/03/2024

Supervised By :mohammad ahmed 12/05/2024



#50

Dimethylphthalate

Concen: 39.405 ng

RT: 9.627 min Scan# 1281

Delta R.T. -0.006 min

Lab File: BF140702.D

Acq: 03 Dec 2024 11:24

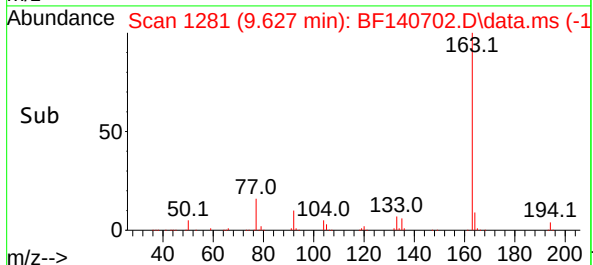
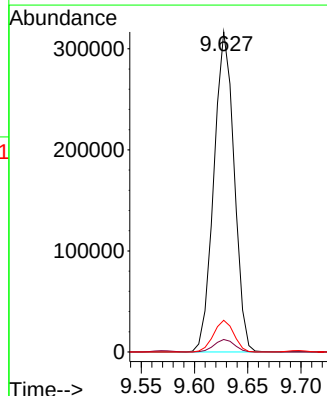
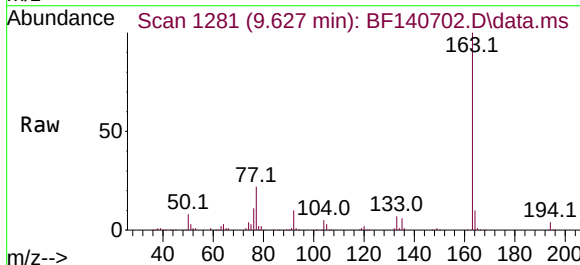
Tgt Ion:163 Resp: 420054

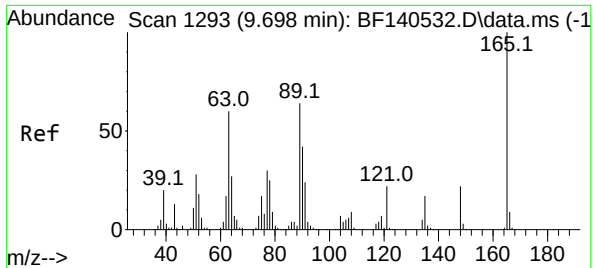
Ion Ratio Lower Upper

163 100

194 3.9 3.1 4.7

164 9.9 8.2 12.2





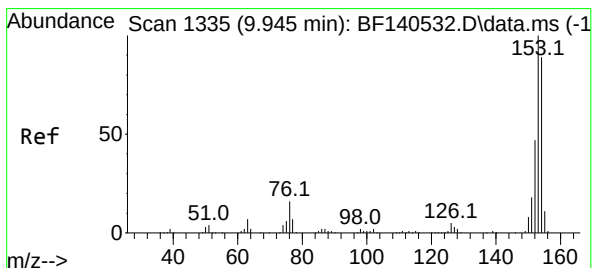
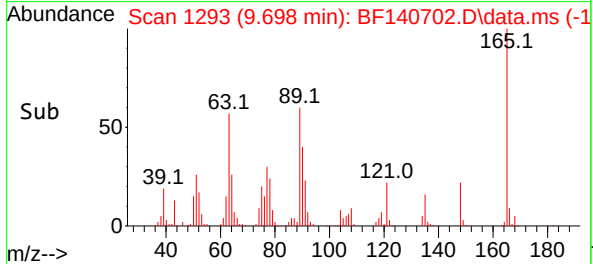
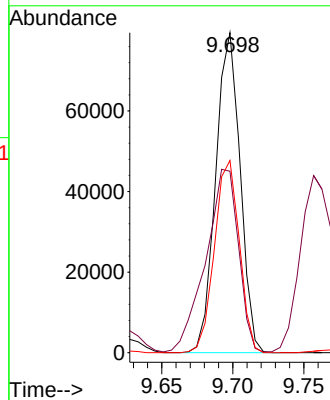
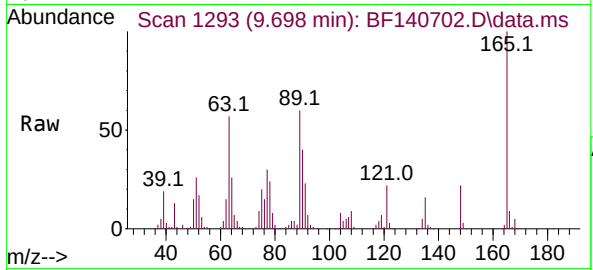
#51  
2,6-Dinitrotoluene  
Concen: 39.292 ng  
RT: 9.698 min Scan# 1293  
Delta R.T. -0.000 min  
Lab File: BF140702.D  
Acq: 03 Dec 2024 11:24

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

Tgt Ion:165 Resp: 94994  
Ion Ratio Lower Upper  
165 100  
63 56.7 49.9 74.9  
89 60.0 50.9 76.3

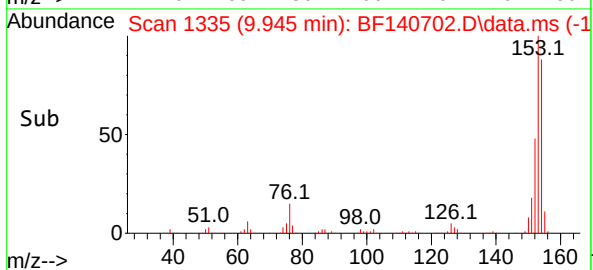
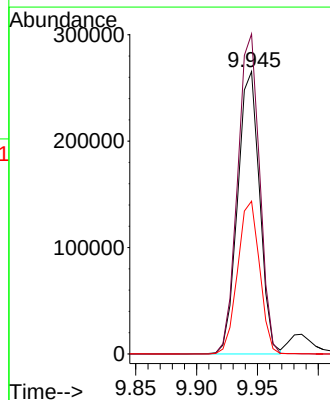
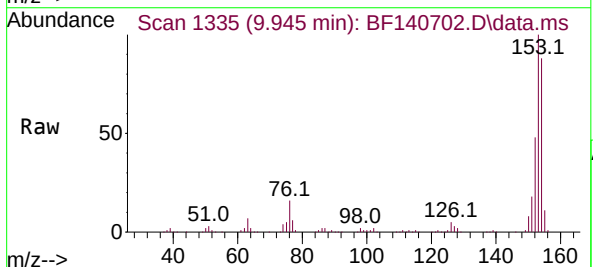
Manual Integrations  
APPROVED

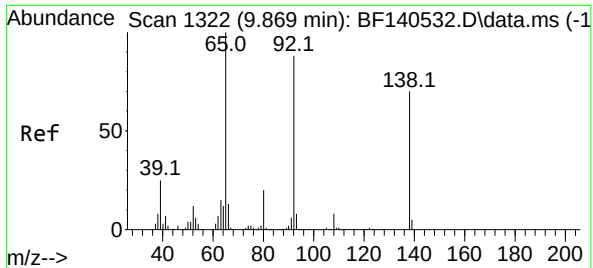
Reviewed By :Jagrut Upadhyay 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024



#52  
Acenaphthene  
Concen: 37.968 ng  
RT: 9.945 min Scan# 1335  
Delta R.T. -0.000 min  
Lab File: BF140702.D  
Acq: 03 Dec 2024 11:24

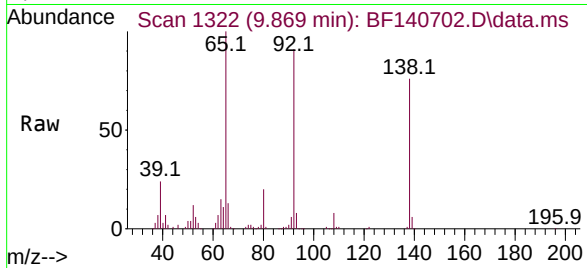
Tgt Ion:154 Resp: 333771  
Ion Ratio Lower Upper  
154 100  
153 113.3 89.7 134.5  
152 54.1 42.5 63.7





#53  
3-Nitroaniline  
Concen: 40.066 ng  
RT: 9.869 min Scan# 1322  
Delta R.T. -0.000 min  
Lab File: BF140702.D  
Acq: 03 Dec 2024 11:24

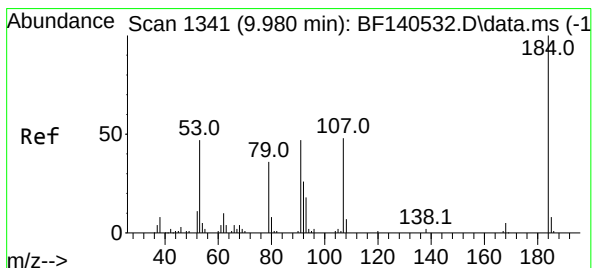
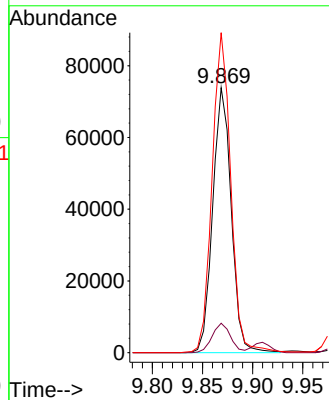
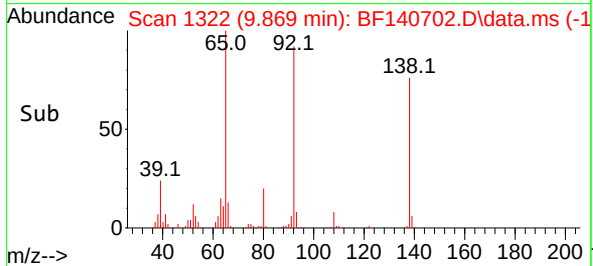
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040



Tgt Ion:138 Resp: 94739  
Ion Ratio Lower Upper  
138 100  
108 11.1 9.2 13.8  
92 120.7 100.6 150.8

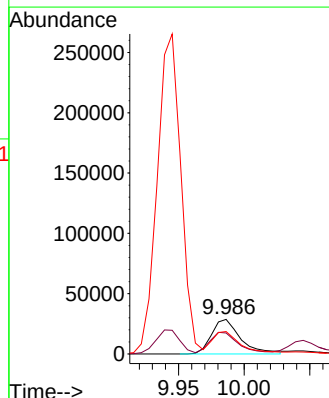
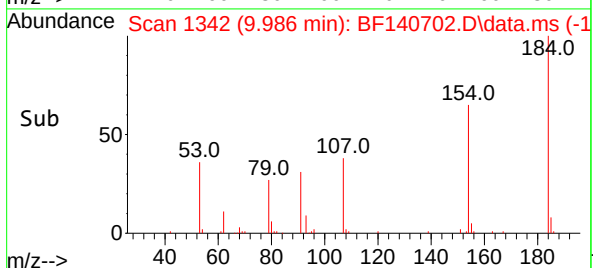
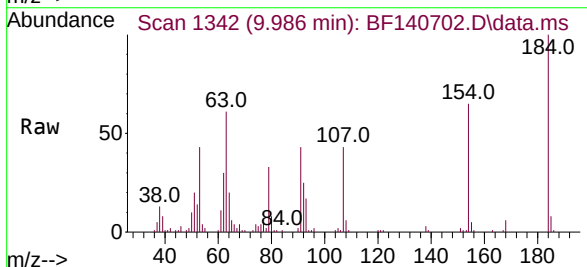
Manual Integrations  
APPROVED

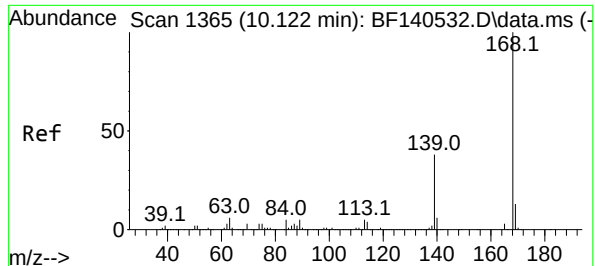
Reviewed By :Jagrut Upadhyay 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024



#54  
2,4-Dinitrophenol  
Concen: 39.659 ng  
RT: 9.986 min Scan# 1342  
Delta R.T. 0.006 min  
Lab File: BF140702.D  
Acq: 03 Dec 2024 11:24

Tgt Ion:184 Resp: 44183  
Ion Ratio Lower Upper  
184 100  
63 60.7 54.1 81.1  
154 64.8 57.4 86.0





#55

Dibenzenofuran

Concen: 38.851 ng

RT: 10.116 min Scan# 1364

Delta R.T. -0.006 min

Lab File: BF140702.D

Acq: 03 Dec 2024 11:24

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

Tgt Ion:168 Resp: 520938

Ion Ratio Lower Upper

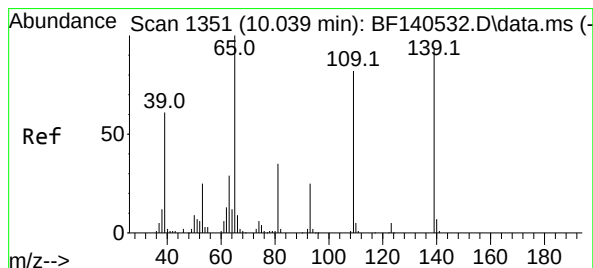
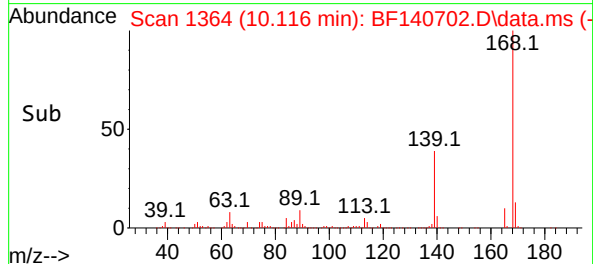
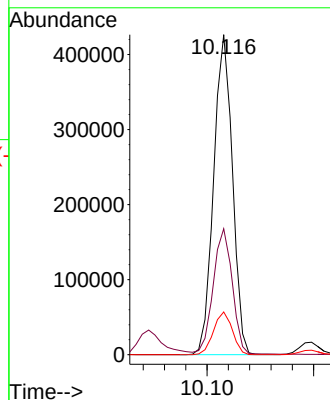
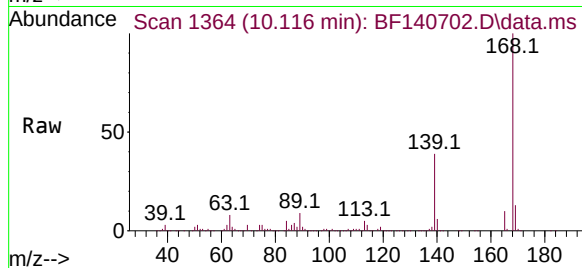
168 100

139 39.4 31.3 46.9

169 13.4 10.5 15.7

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024

#56

4-Nitrophenol

Concen: 32.754 ng

RT: 10.045 min Scan# 1352

Delta R.T. 0.006 min

Lab File: BF140702.D

Acq: 03 Dec 2024 11:24

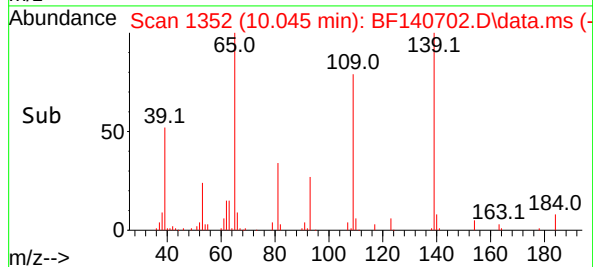
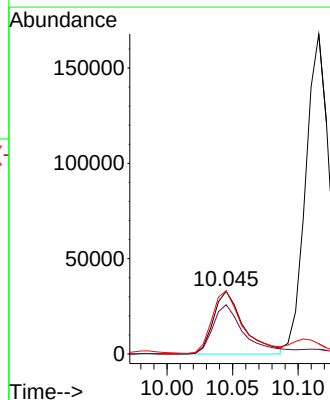
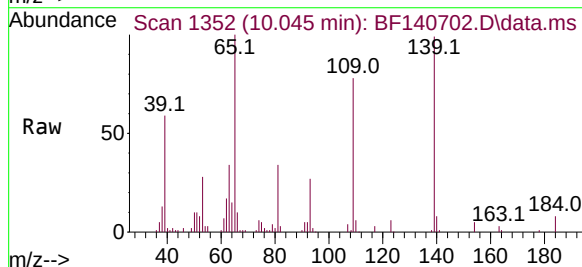
Tgt Ion:139 Resp: 52819

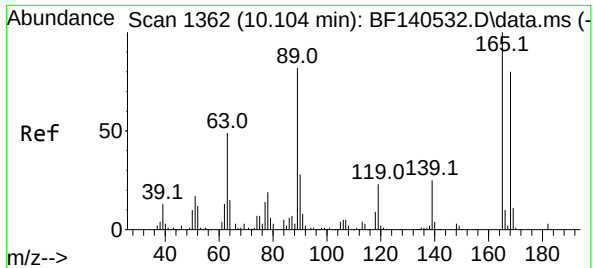
Ion Ratio Lower Upper

139 100

109 78.5 68.4 108.4

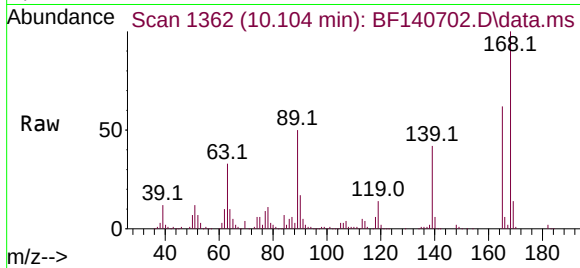
65 100.7 88.6 128.6





#57  
2,4-Dinitrotoluene  
Concen: 39.860 ng  
RT: 10.104 min Scan# 1362  
Delta R.T. -0.000 min  
Lab File: BF140702.D  
Acq: 03 Dec 2024 11:24

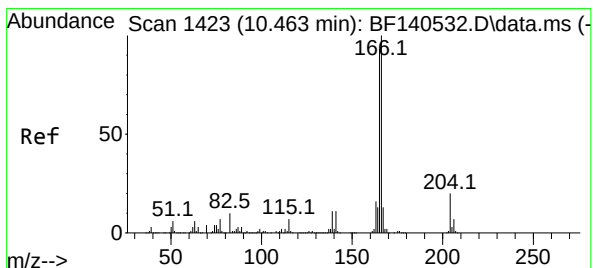
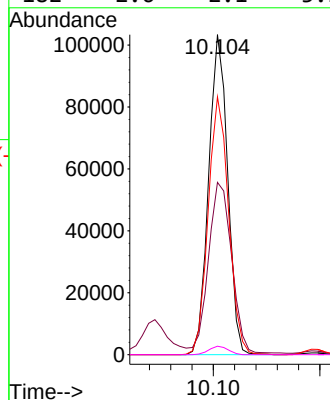
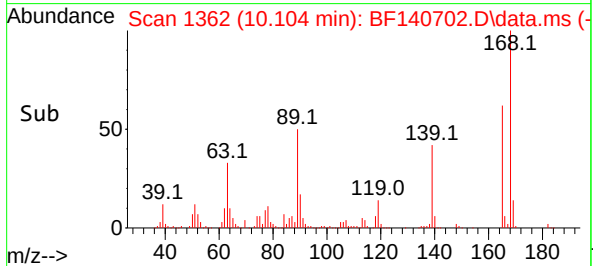
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040



Tgt Ion:165 Resp: 12807  
Ion Ratio Lower Upper  
165 100  
63 53.9 41.7 62.5  
89 80.6 65.8 98.8  
182 2.6 2.1 3.1

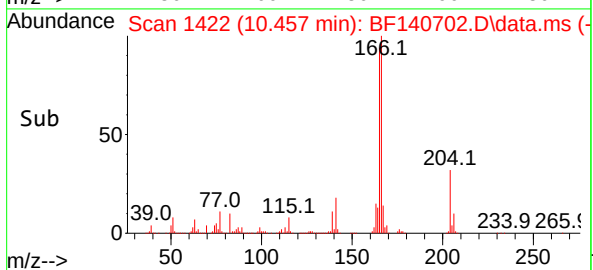
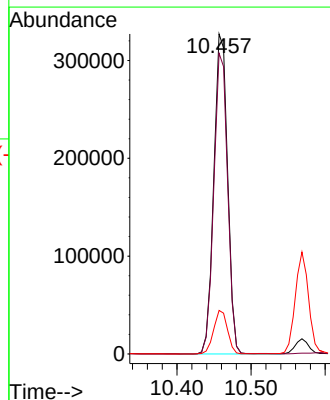
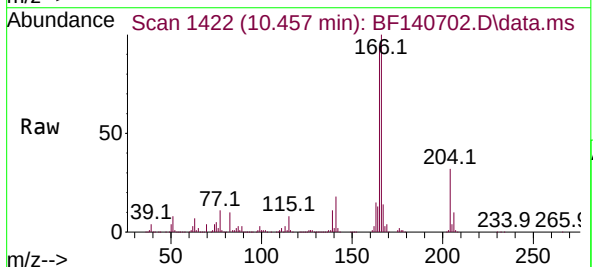
Manual Integrations  
APPROVED

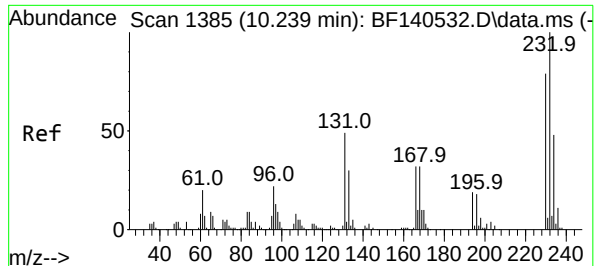
Reviewed By :Jagrut Upadhyay 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024



#58  
Fluorene  
Concen: 39.266 ng  
RT: 10.457 min Scan# 1422  
Delta R.T. -0.006 min  
Lab File: BF140702.D  
Acq: 03 Dec 2024 11:24

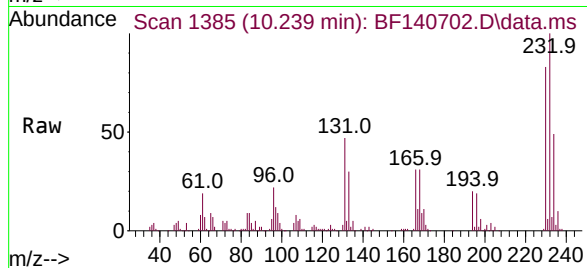
Tgt Ion:166 Resp: 422615  
Ion Ratio Lower Upper  
166 100  
165 93.9 74.6 111.8  
167 13.6 10.6 16.0





#59  
2,3,4,6-Tetrachlorophenol  
Concen: 38.960 ng  
RT: 10.239 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BF140702.D  
Acq: 03 Dec 2024 11:24

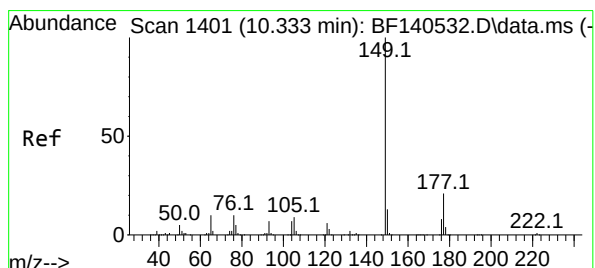
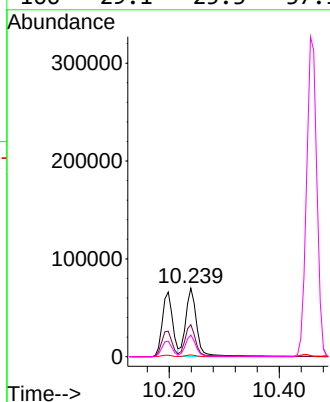
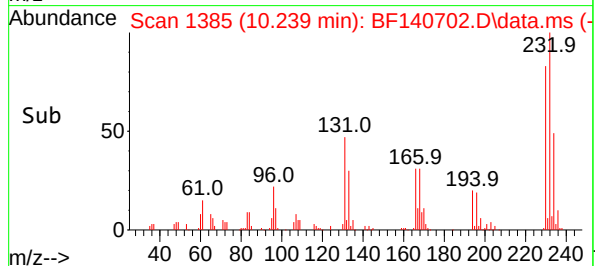
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040



Tgt Ion:232 Resp: 96620  
Ion Ratio Lower Upper  
232 100  
131 45.3 39.6 59.4  
130 2.4 1.9 2.9  
166 29.1 25.3 37.9

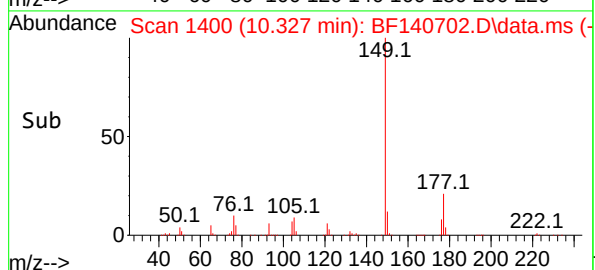
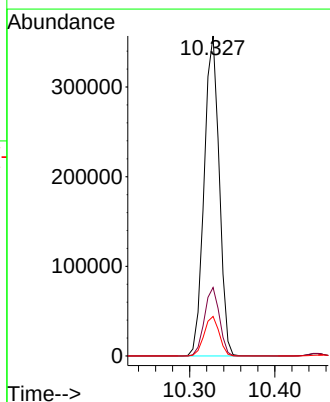
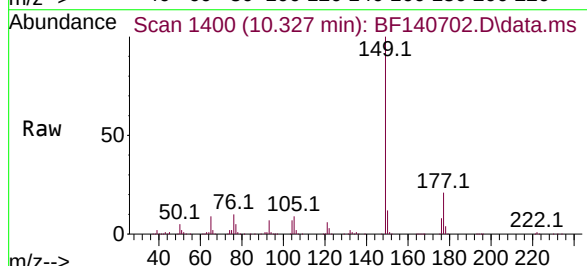
Manual Integrations  
APPROVED

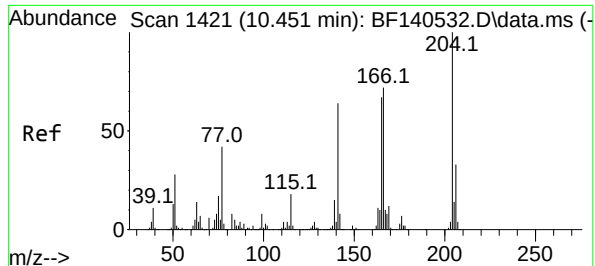
Reviewed By :Jagrut Upadhyay 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024



#60  
Diethylphthalate  
Concen: 40.498 ng  
RT: 10.327 min Scan# 1400  
Delta R.T. -0.006 min  
Lab File: BF140702.D  
Acq: 03 Dec 2024 11:24

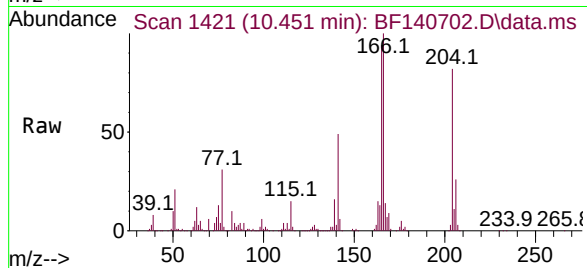
Tgt Ion:149 Resp: 438624  
Ion Ratio Lower Upper  
149 100  
177 21.4 17.1 25.7  
150 12.4 10.1 15.1





#61  
4-Chlorophenyl-phenylether  
Concen: 40.622 ng  
RT: 10.451 min Scan# 1421  
Delta R.T. -0.000 min  
Lab File: BF140702.D  
Acq: 03 Dec 2024 11:24

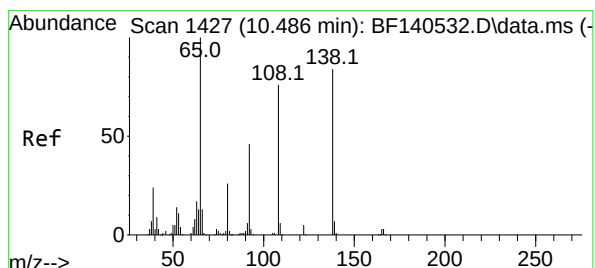
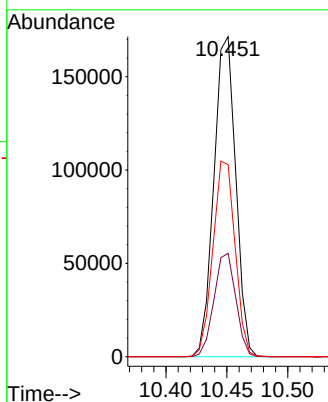
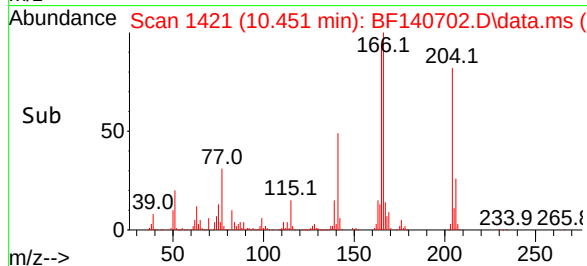
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040



Tgt Ion:204 Resp: 214560  
Ion Ratio Lower Upper  
204 100  
206 32.3 26.6 40.0  
141 60.0 51.1 76.7

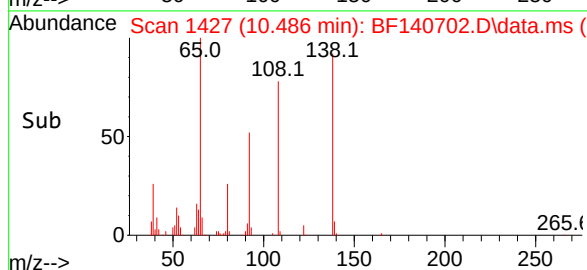
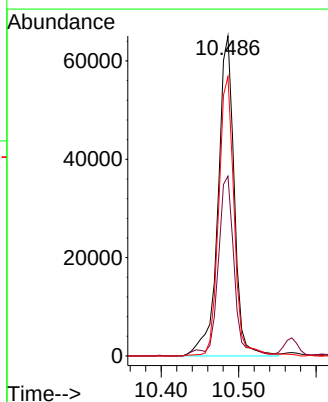
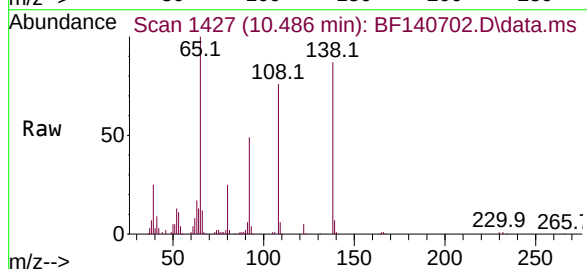
Manual Integrations  
APPROVED

Reviewed By :Jagrut Upadhyay 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024

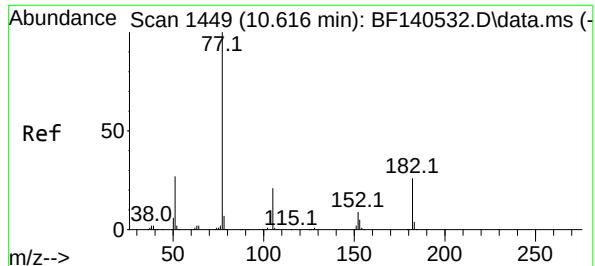


#62  
4-Nitroaniline  
Concen: 38.398 ng  
RT: 10.486 min Scan# 1427  
Delta R.T. -0.000 min  
Lab File: BF140702.D  
Acq: 03 Dec 2024 11:24

Tgt Ion:138 Resp: 95226  
Ion Ratio Lower Upper  
138 100  
92 56.2 34.5 74.5  
108 87.3 70.6 110.6

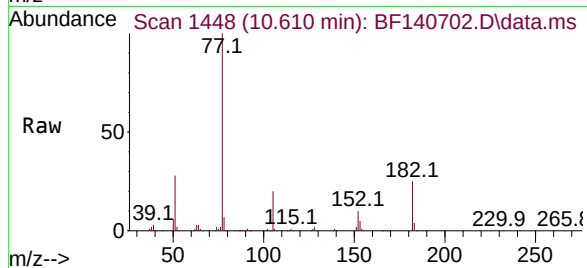






#63  
Azobenzene  
Concen: 39.125 ng  
RT: 10.610 min Scan# 1449  
Delta R.T. -0.006 min  
Lab File: BF140702.D  
Acq: 03 Dec 2024 11:24

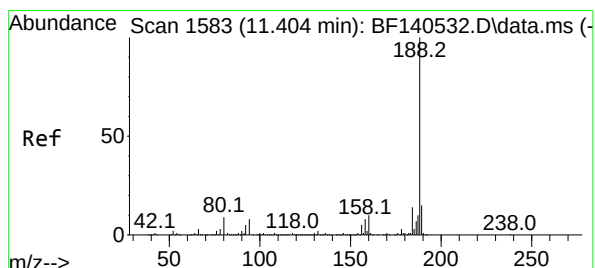
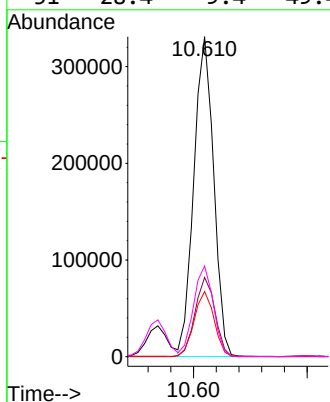
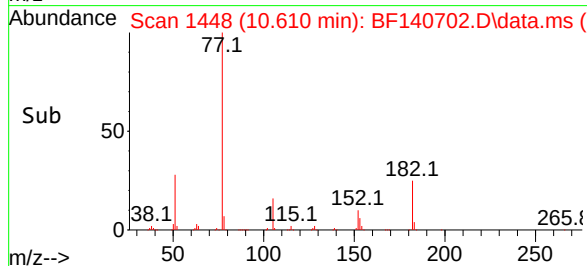
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040



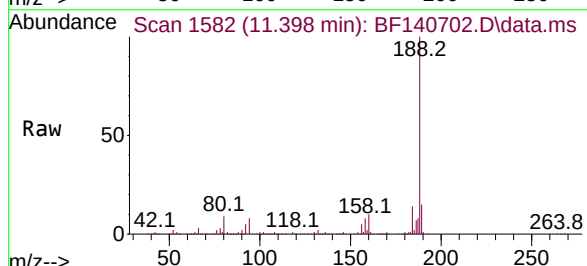
Tgt Ion: 77 Resp: 401295  
Ion Ratio Lower Upper  
77 100  
182 24.7 5.3 45.3  
105 20.4 0.3 40.3  
51 28.4 9.4 49.4

Manual Integrations  
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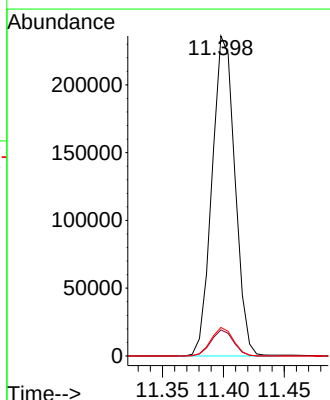
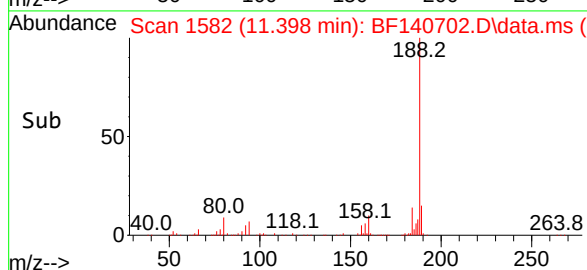
Reviewed By :Jagrut Upadhyay 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024

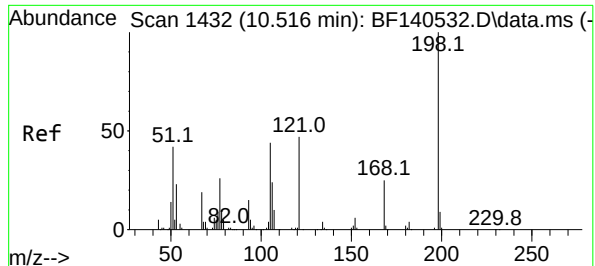


#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.398 min Scan# 1582  
Delta R.T. -0.006 min  
Lab File: BF140702.D  
Acq: 03 Dec 2024 11:24



Tgt Ion:188 Resp: 309121  
Ion Ratio Lower Upper  
188 100  
94 8.2 6.4 9.6  
80 8.9 6.9 10.3





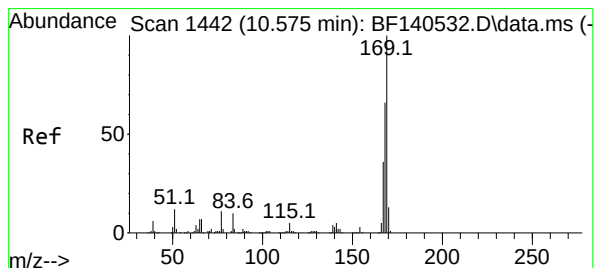
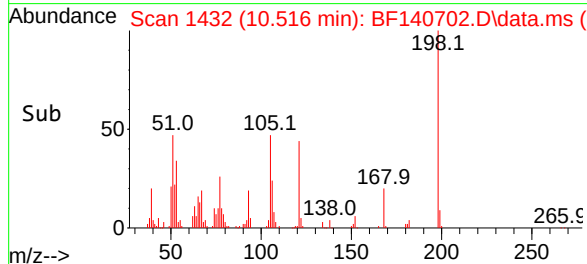
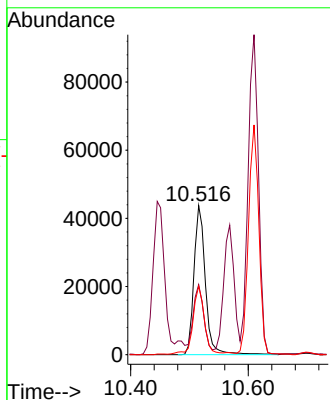
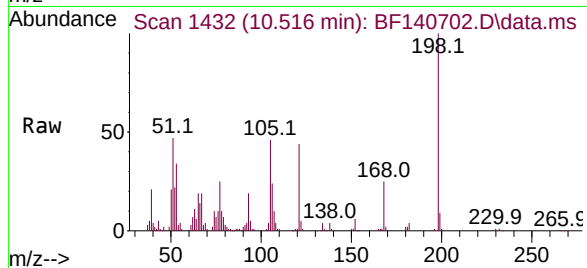
#65  
4,6-Dinitro-2-methylphenol  
Concen: 37.542 ng  
RT: 10.516 min Scan# 1432  
Delta R.T. -0.000 min  
Lab File: BF140702.D  
Acq: 03 Dec 2024 11:24

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

Tgt Ion:198 Resp: 59302  
Ion Ratio Lower Upper  
198 100  
51 47.0 29.4 69.4  
105 45.9 25.4 65.4

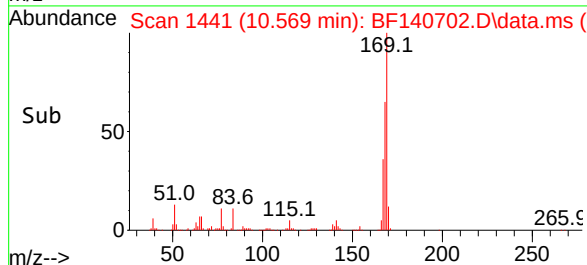
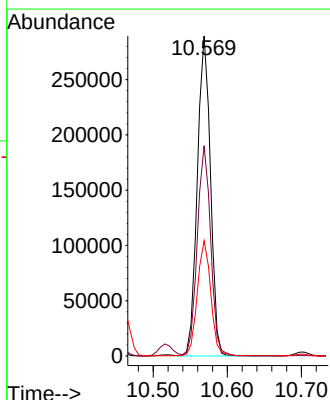
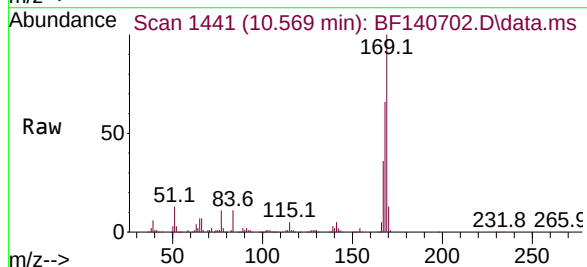
Manual Integrations  
APPROVED

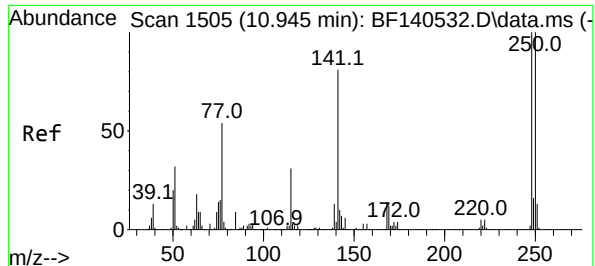
Reviewed By :Jagrut Upadhyay 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024



#66  
n-Nitrosodiphenylamine  
Concen: 38.882 ng  
RT: 10.569 min Scan# 1441  
Delta R.T. -0.006 min  
Lab File: BF140702.D  
Acq: 03 Dec 2024 11:24

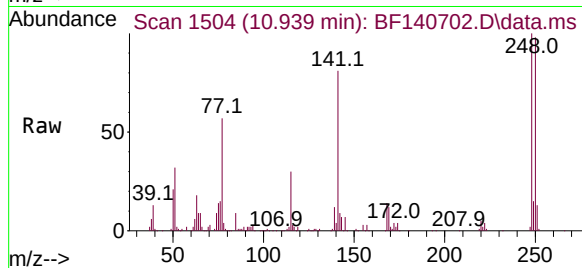
Tgt Ion:169 Resp: 355436  
Ion Ratio Lower Upper  
169 100  
168 65.7 53.2 79.8  
167 36.0 29.0 43.6





#67  
4-Bromophenyl-phenylether  
Concen: 39.608 ng  
RT: 10.939 min Scan# 1504  
Delta R.T. -0.006 min  
Lab File: BF140702.D  
Acq: 03 Dec 2024 11:24

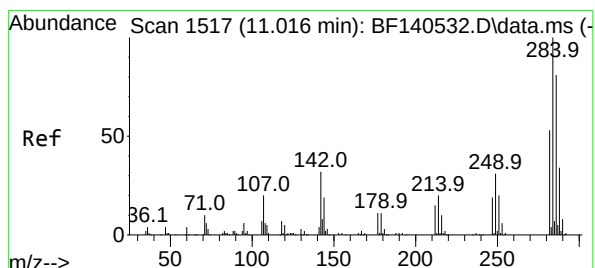
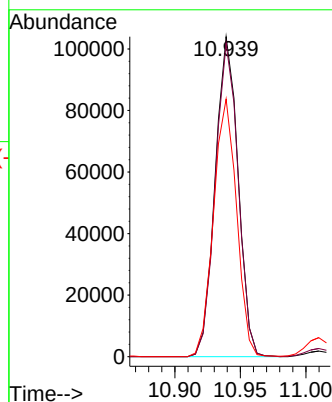
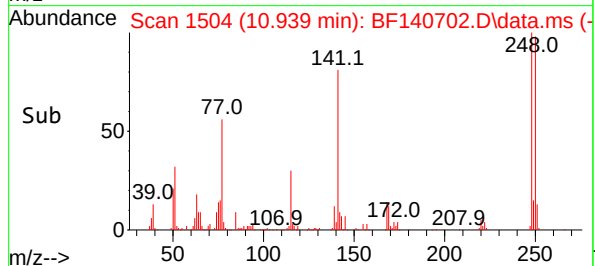
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040



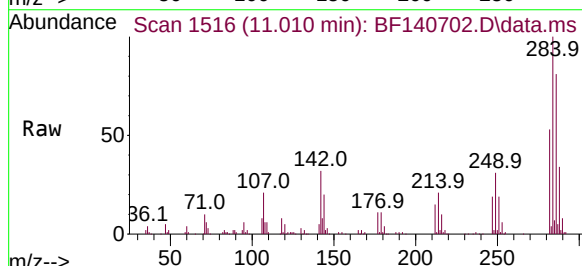
Tgt Ion:248 Resp: 126092  
Ion Ratio Lower Upper  
248 100  
250 97.9 79.8 119.8  
141 80.5 64.7 97.1

Manual Integrations  
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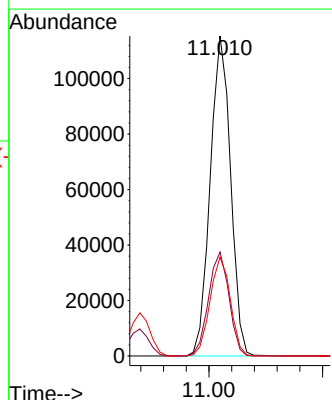
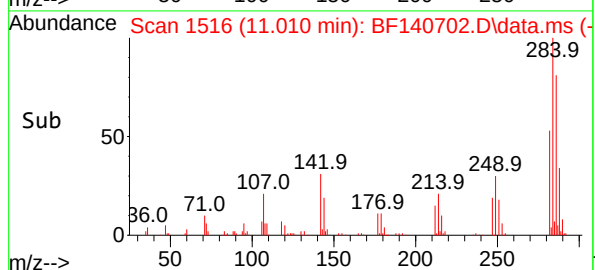
Reviewed By :Jagrut Upadhyay 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024

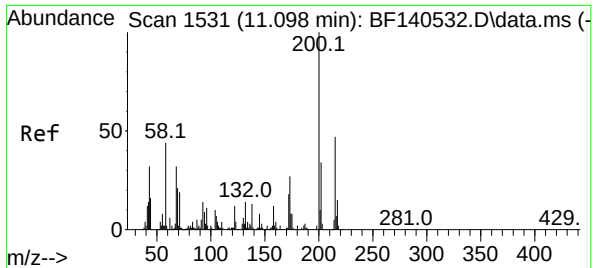


#68  
Hexachlorobenzene  
Concen: 38.874 ng  
RT: 11.010 min Scan# 1516  
Delta R.T. -0.006 min  
Lab File: BF140702.D  
Acq: 03 Dec 2024 11:24



Tgt Ion:284 Resp: 143294  
Ion Ratio Lower Upper  
284 100  
142 32.5 25.3 37.9  
249 30.9 24.8 37.2





#69

Atrazine

Concen: 32.739 ng

RT: 11.092 min Scan# 1530

Delta R.T. -0.006 min

Lab File: BF140702.D

Acq: 03 Dec 2024 11:24

Instrument :

BNA\_F

ClientSampleId :

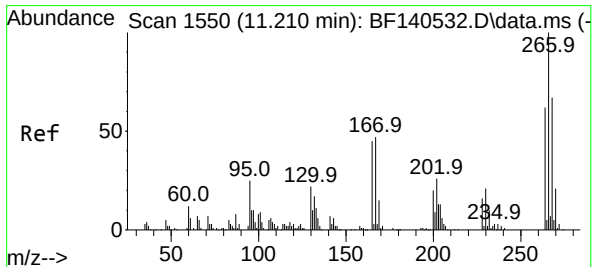
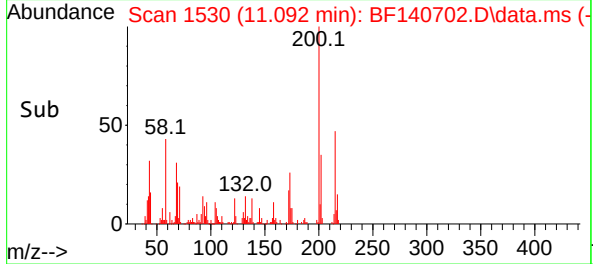
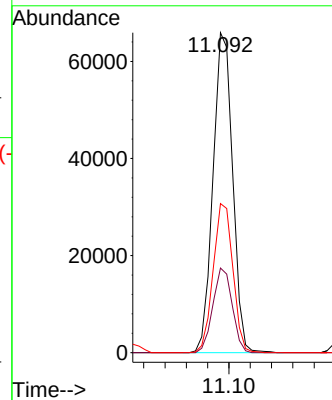
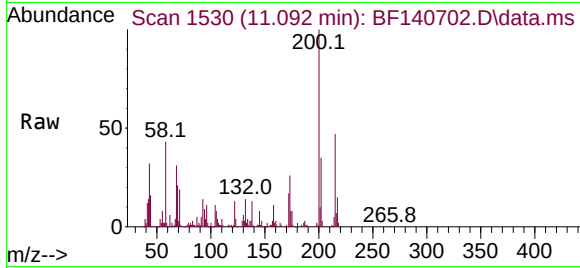
SSTDCCC040

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 200   | Resp: | 8419 |
| Ion Ratio | Lower | Upper |      |
| 200       | 100   |       |      |
| 173       | 26.5  | 7.0   | 47.0 |
| 215       | 46.6  | 26.7  | 66.7 |

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/03/2024  
 Supervised By :mohammad ahmed 12/05/2024



#70

Pentachlorophenol

Concen: 32.757 ng m

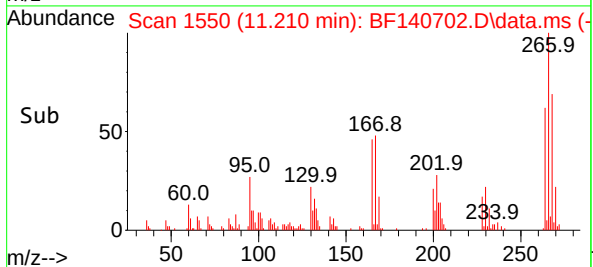
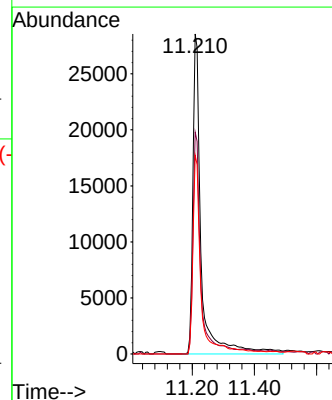
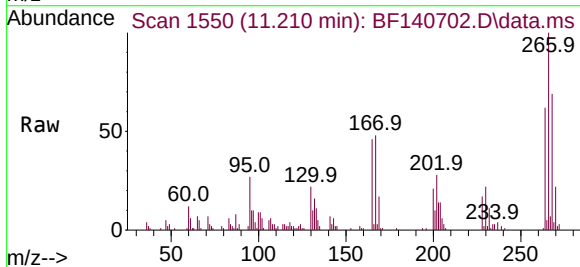
RT: 11.210 min Scan# 1550

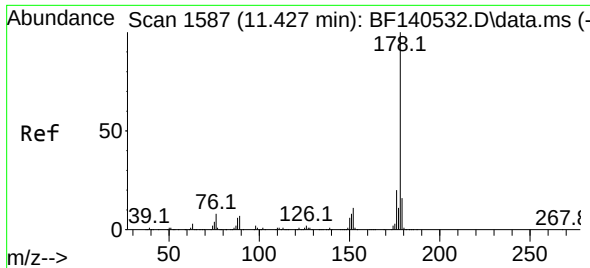
Delta R.T. -0.000 min

Lab File: BF140702.D

Acq: 03 Dec 2024 11:24

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 266   | Resp: | 53143 |
| Ion Ratio | Lower | Upper |       |
| 266       | 100   |       |       |
| 268       | 69.3  | 53.7  | 80.5  |
| 264       | 62.1  | 49.8  | 74.8  |





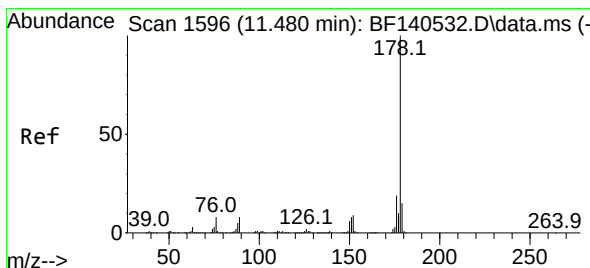
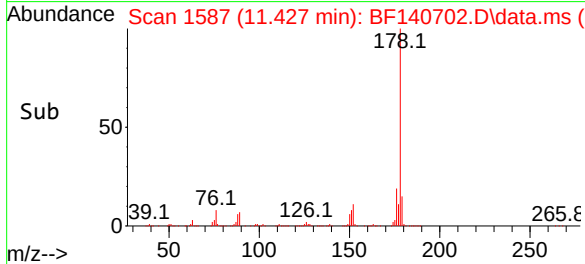
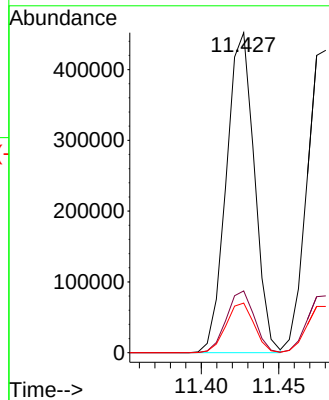
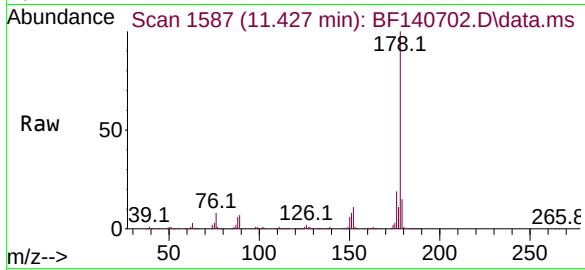
#71  
Phenanthrene  
Concen: 38.307 ng  
RT: 11.427 min Scan# 1587  
Delta R.T. -0.000 min  
Lab File: BF140702.D  
Acq: 03 Dec 2024 11:24

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

Tgt Ion:178 Resp: 569205  
Ion Ratio Lower Upper  
178 100  
176 19.3 15.8 23.6  
179 15.5 12.4 18.6

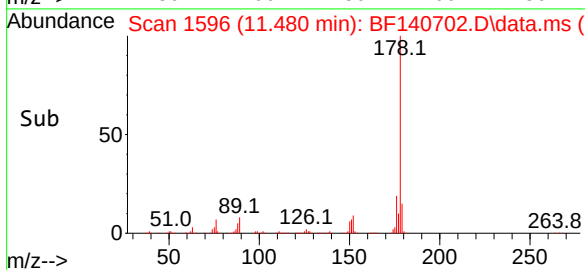
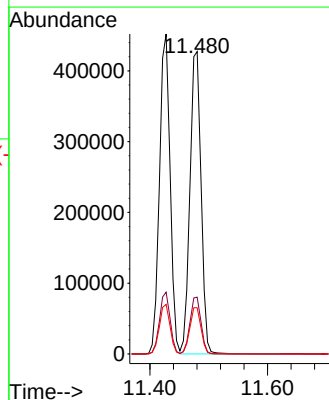
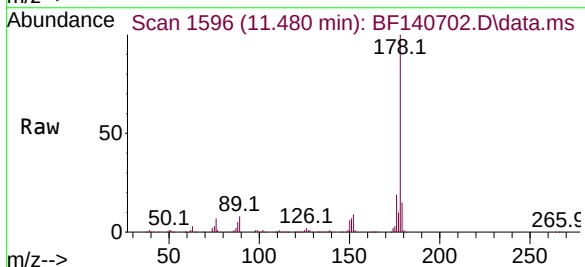
Manual Integrations  
APPROVED

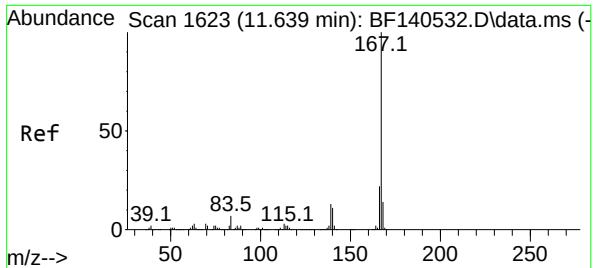
Reviewed By :Jagrut Upadhyay 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024



#72  
Anthracene  
Concen: 38.526 ng  
RT: 11.480 min Scan# 1596  
Delta R.T. -0.000 min  
Lab File: BF140702.D  
Acq: 03 Dec 2024 11:24

Tgt Ion:178 Resp: 559985  
Ion Ratio Lower Upper  
178 100  
176 18.8 15.0 22.4  
179 15.3 12.2 18.4





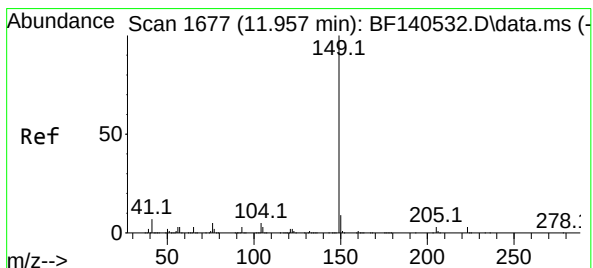
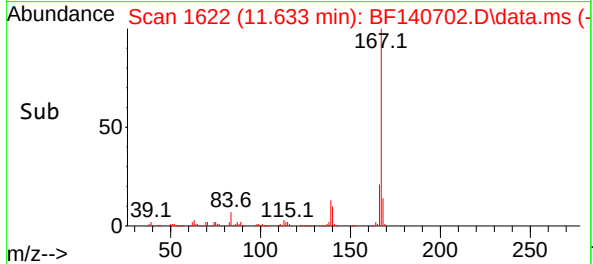
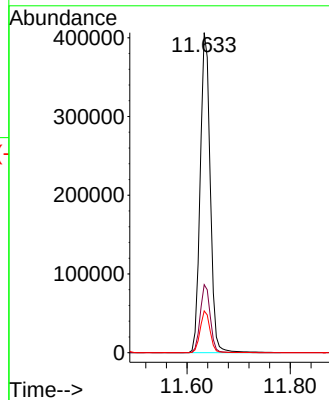
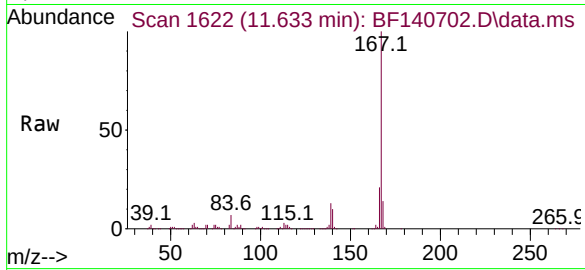
#73  
 Carbazole  
 Concen: 38.961 ng  
 RT: 11.633 min Scan# 1622  
 Delta R.T. -0.006 min  
 Lab File: BF140702.D  
 Acq: 03 Dec 2024 11:24

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDCCC040

Tgt Ion:167 Resp: 54479  
 Ion Ratio Lower Upper  
 167 100  
 166 21.3 17.2 25.8  
 139 13.0 10.6 15.8

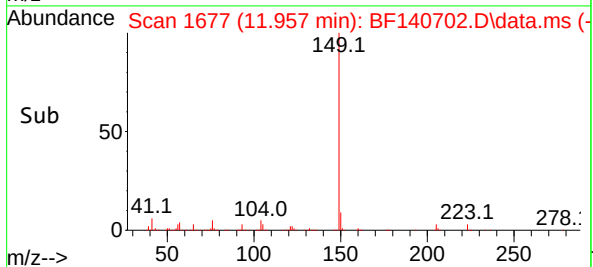
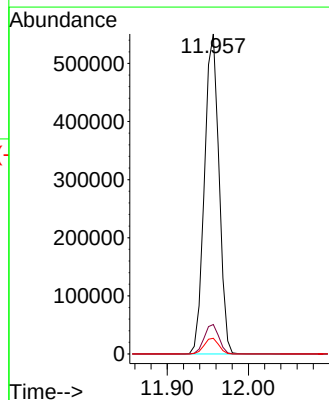
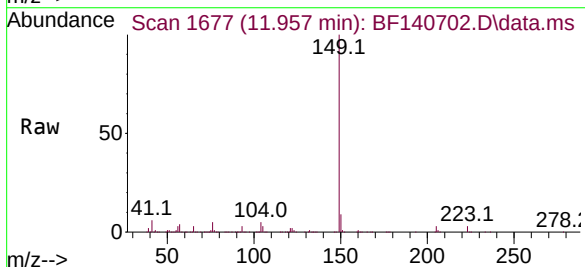
Manual Integrations  
 APPROVED

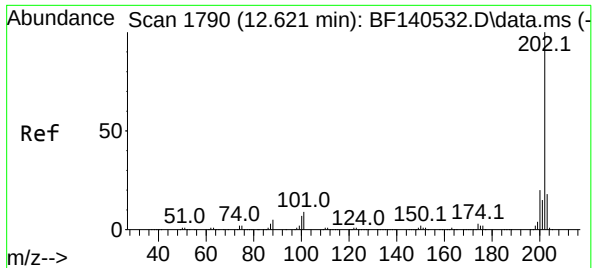
Reviewed By :Jagrut Upadhyay 12/03/2024  
 Supervised By :mohammad ahmed 12/05/2024



#74  
 Di-n-butylphthalate  
 Concen: 42.262 ng  
 RT: 11.957 min Scan# 1677  
 Delta R.T. -0.000 min  
 Lab File: BF140702.D  
 Acq: 03 Dec 2024 11:24

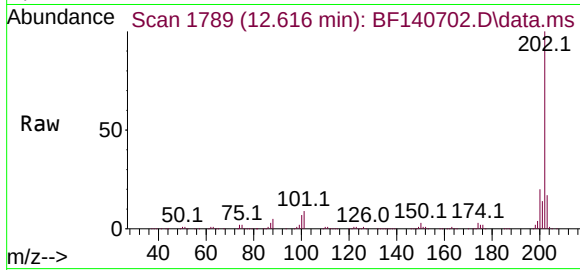
Tgt Ion:149 Resp: 682241  
 Ion Ratio Lower Upper  
 149 100  
 150 9.2 7.5 11.3  
 104 4.9 4.1 6.1





#75  
Fluoranthene  
Concen: 39.286 ng  
RT: 12.616 min Scan# 1789  
Delta R.T. -0.006 min  
Lab File: BF140702.D  
Acq: 03 Dec 2024 11:24

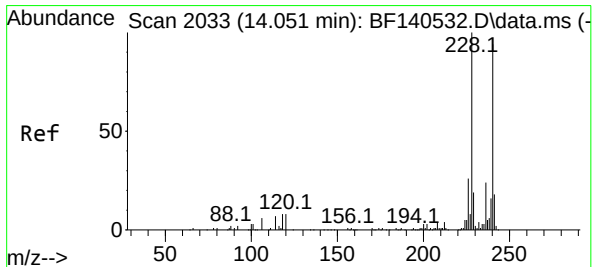
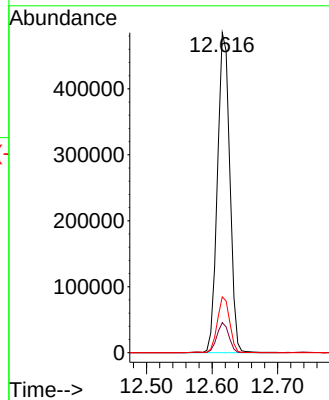
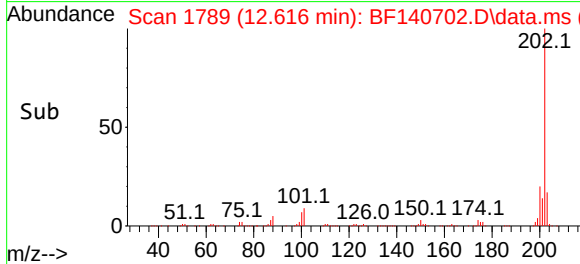
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040



Tgt Ion:202 Resp: 633810  
Ion Ratio Lower Upper  
202 100  
101 9.4 0.0 28.9  
203 17.5 0.0 37.6

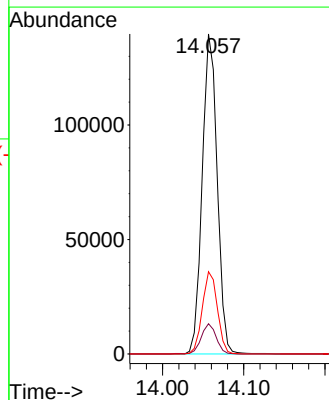
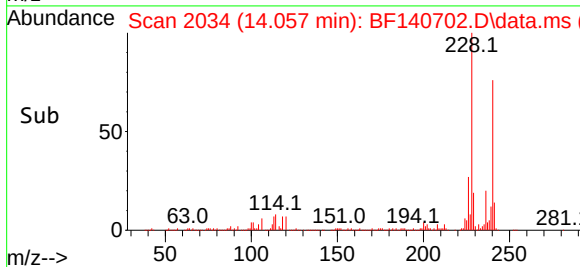
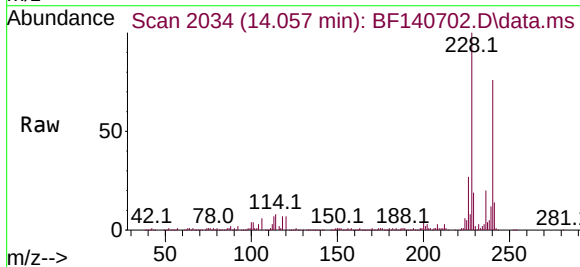
Manual Integrations  
APPROVED

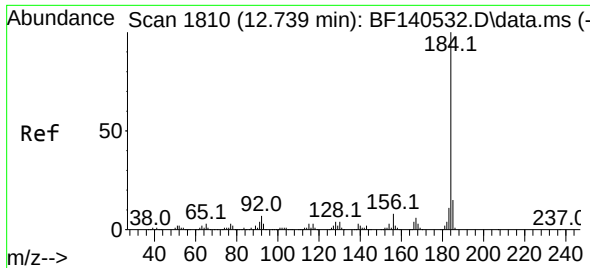
Reviewed By :Jagrut Upadhyay 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.057 min Scan# 2034  
Delta R.T. 0.006 min  
Lab File: BF140702.D  
Acq: 03 Dec 2024 11:24

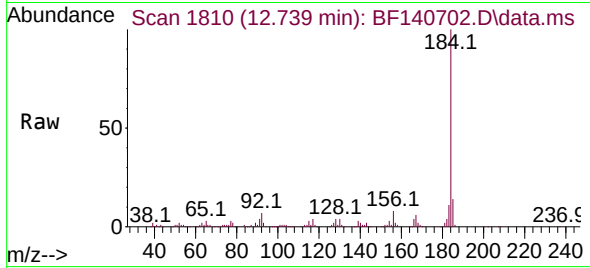
Tgt Ion:240 Resp: 178961  
Ion Ratio Lower Upper  
240 100  
120 9.5 7.3 10.9  
236 25.7 20.6 31.0





#77  
Benzidine  
Concen: 37.410 ng  
RT: 12.739 min Scan# 1810  
Delta R.T. 0.000 min  
Lab File: BF140702.D  
Acq: 03 Dec 2024 11:24

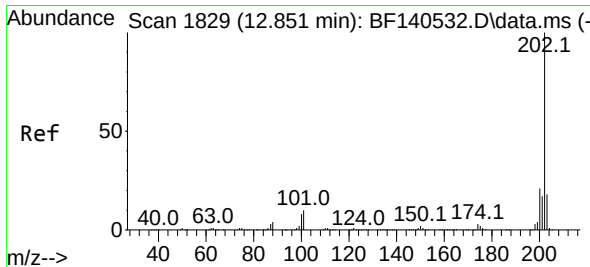
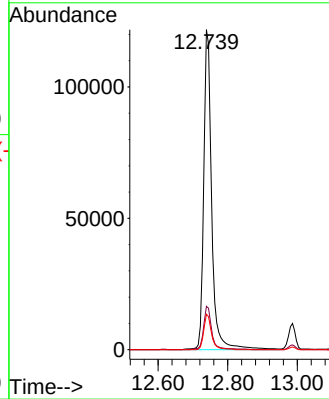
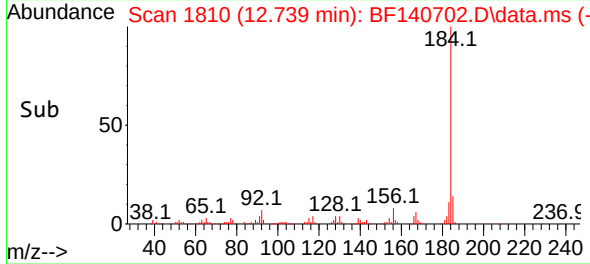
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040



Tgt Ion:184 Resp: 194649  
Ion Ratio Lower Upper  
184 100  
185 13.6 11.7 17.5  
183 11.0 8.8 13.2

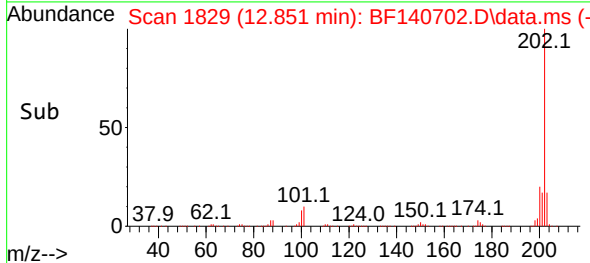
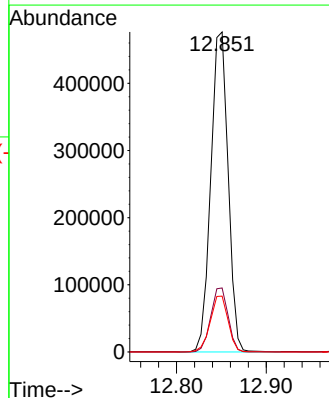
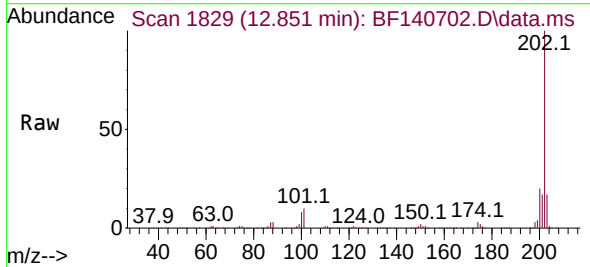
Manual Integrations  
APPROVED

Reviewed By :Jagrut Upadhyay 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024

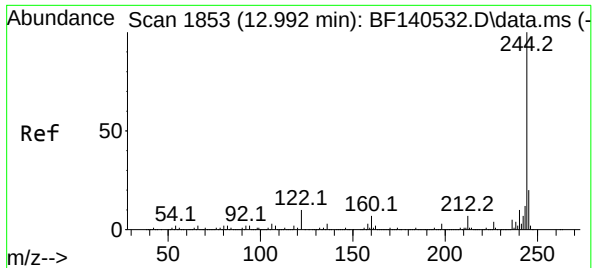


#78  
Pyrene  
Concen: 38.629 ng  
RT: 12.851 min Scan# 1829  
Delta R.T. -0.000 min  
Lab File: BF140702.D  
Acq: 03 Dec 2024 11:24

Tgt Ion:202 Resp: 639203  
Ion Ratio Lower Upper  
202 100  
200 20.0 16.5 24.7  
203 17.4 14.2 21.4







#79

Terphenyl-d14

Concen: 80.677 ng

RT: 12.986 min Scan# 1852

Delta R.T. -0.006 min

Lab File: BF140702.D

Acq: 03 Dec 2024 11:24

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

Tgt Ion:244 Resp: 92722

Ion Ratio Lower Upper

244 100

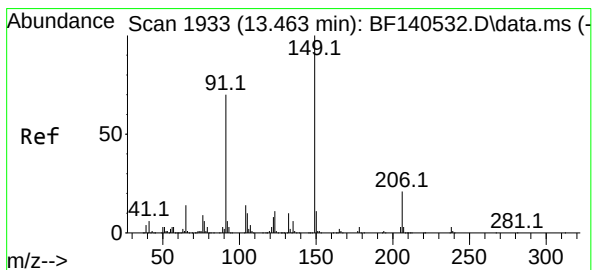
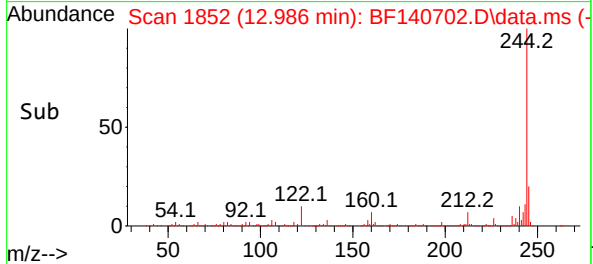
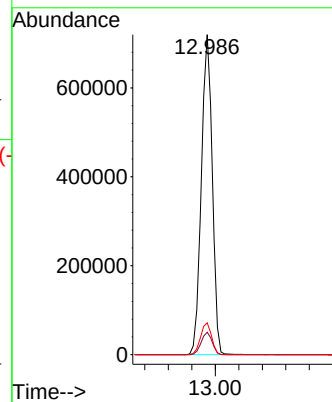
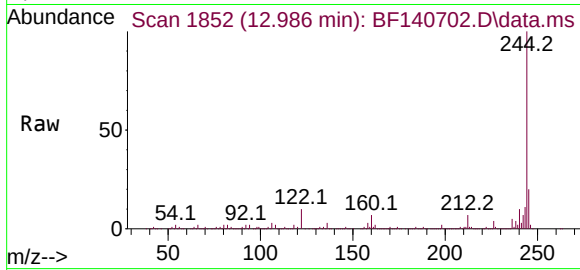
212 7.0 5.8 8.8

122 9.9 8.0 12.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/03/2024  
 Supervised By :mohammad ahmed 12/05/2024



#80

Butylbenzylphthalate

Concen: 43.826 ng

RT: 13.457 min Scan# 1932

Delta R.T. -0.006 min

Lab File: BF140702.D

Acq: 03 Dec 2024 11:24

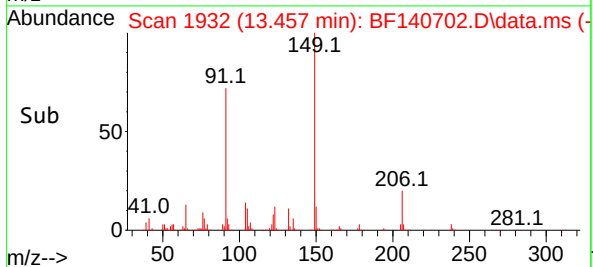
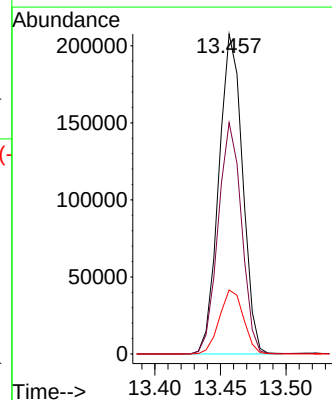
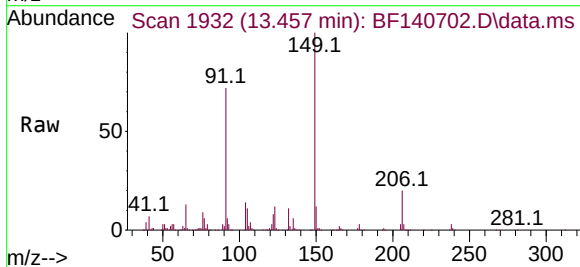
Tgt Ion:149 Resp: 261245

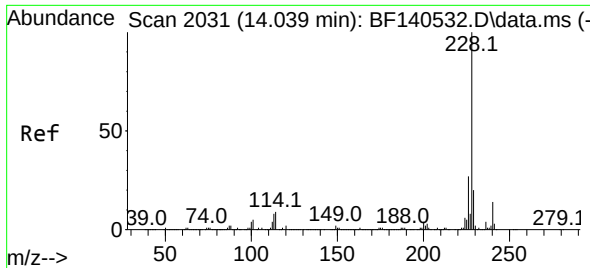
Ion Ratio Lower Upper

149 100

91 72.3 56.2 84.2

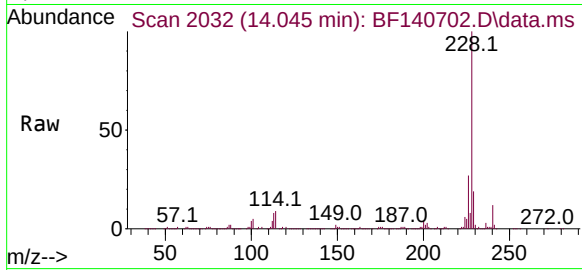
206 20.0 16.4 24.6





#81  
Benzo(a)anthracene  
Concen: 40.198 ng  
RT: 14.045 min Scan# 2031  
Delta R.T. 0.006 min  
Lab File: BF140702.D  
Acq: 03 Dec 2024 11:24

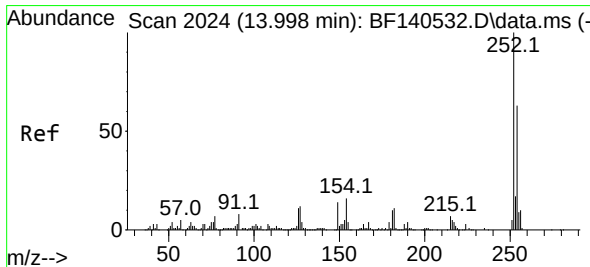
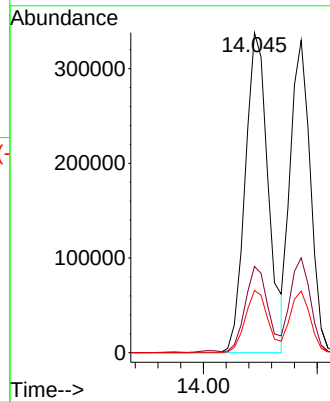
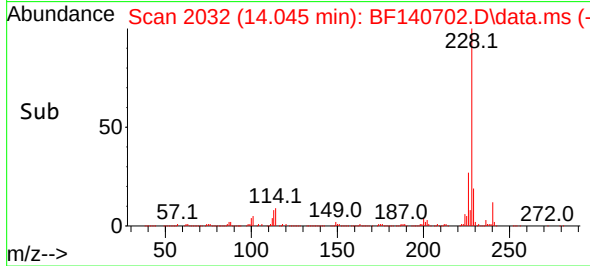
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040



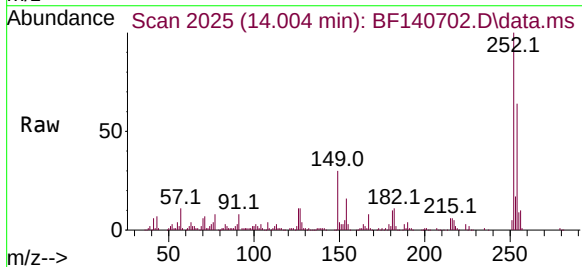
Tgt Ion:228 Resp: 476207  
Ion Ratio Lower Upper  
228 100  
226 27.0 21.8 32.8  
229 19.5 15.8 23.6

Manual Integrations  
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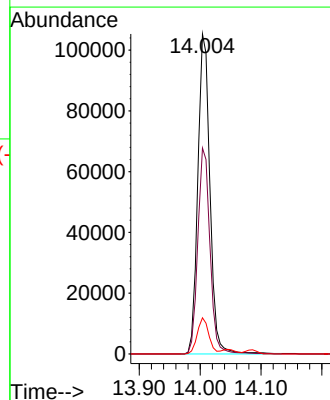
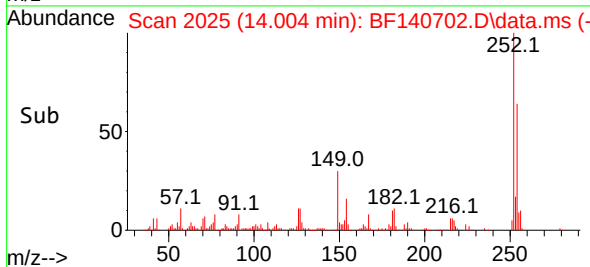
Reviewed By :Jagrut Upadhyay 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024

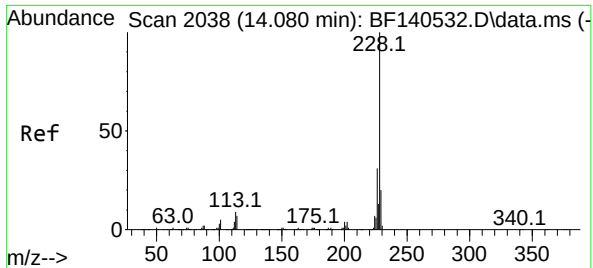


#82  
3,3'-Dichlorobenzidine  
Concen: 40.916 ng  
RT: 14.004 min Scan# 2025  
Delta R.T. 0.006 min  
Lab File: BF140702.D  
Acq: 03 Dec 2024 11:24



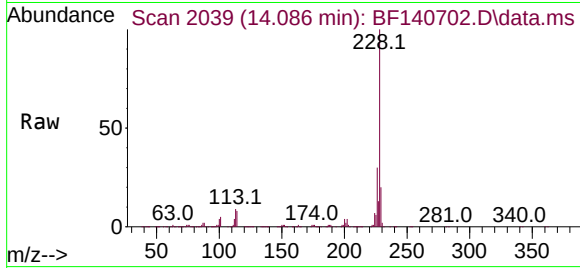
Tgt Ion:252 Resp: 145527  
Ion Ratio Lower Upper  
252 100  
254 64.4 50.8 76.2  
126 11.3 8.6 13.0





#83  
Chrysene  
Concen: 37.425 ng  
RT: 14.086 min Scan# 2038  
Delta R.T. 0.006 min  
Lab File: BF140702.D  
Acq: 03 Dec 2024 11:24

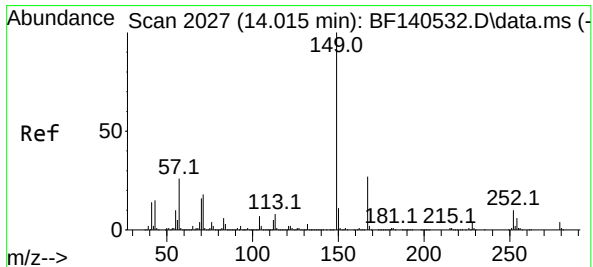
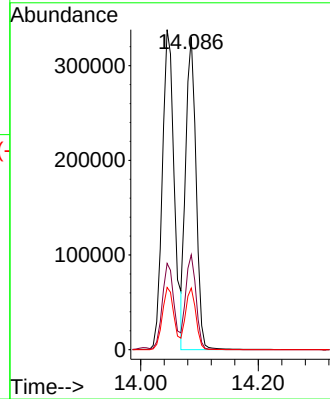
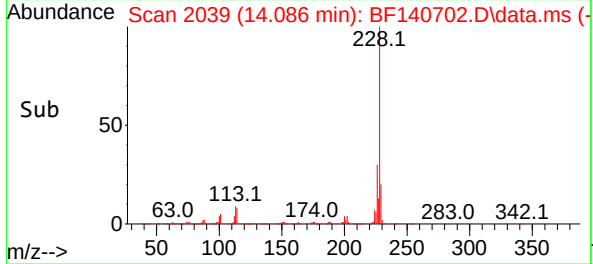
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040



Tgt Ion:228 Resp: 405400  
Ion Ratio Lower Upper  
228 100  
226 30.4 24.4 36.6  
229 19.7 15.8 23.6

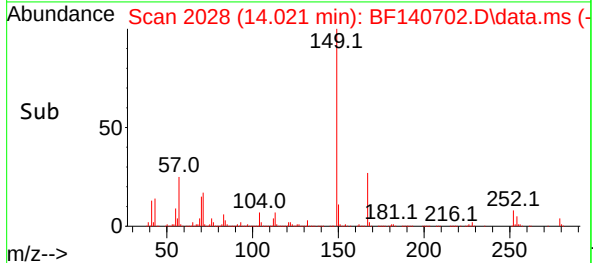
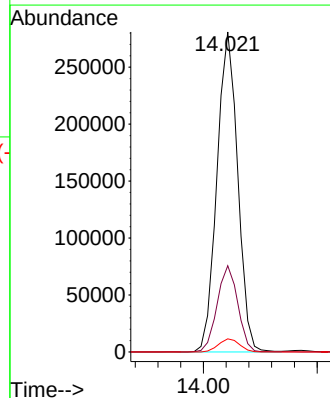
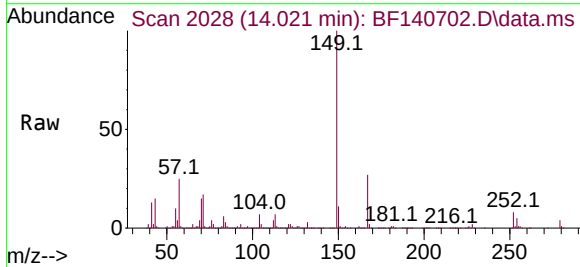
Manual Integrations  
APPROVED

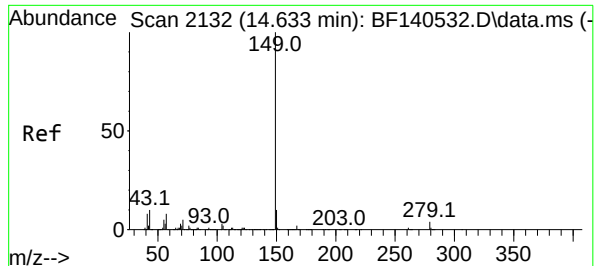
Reviewed By :Jagrut Upadhyay 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024



#84  
Bis(2-ethylhexyl)phthalate  
Concen: 47.352 ng  
RT: 14.021 min Scan# 2028  
Delta R.T. 0.006 min  
Lab File: BF140702.D  
Acq: 03 Dec 2024 11:24

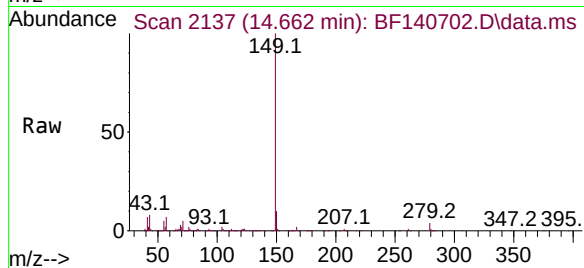
Tgt Ion:149 Resp: 356413  
Ion Ratio Lower Upper  
149 100  
167 26.9 21.2 31.8  
279 4.1 3.2 4.8





#85  
Di-n-octyl phthalate  
Concen: 49.245 ng  
RT: 14.662 min Scan# 2132  
Delta R.T. 0.029 min  
Lab File: BF140702.D  
Acq: 03 Dec 2024 11:24

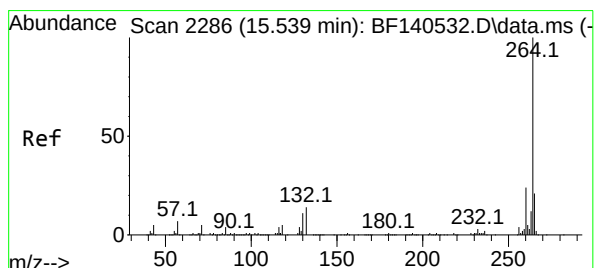
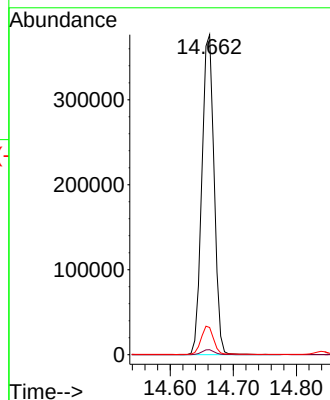
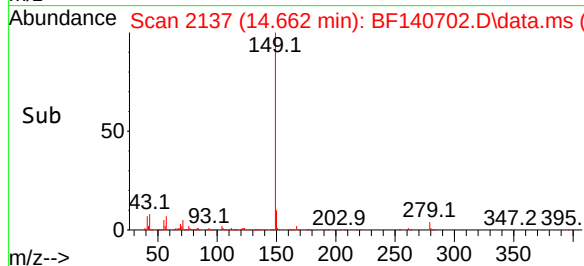
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040



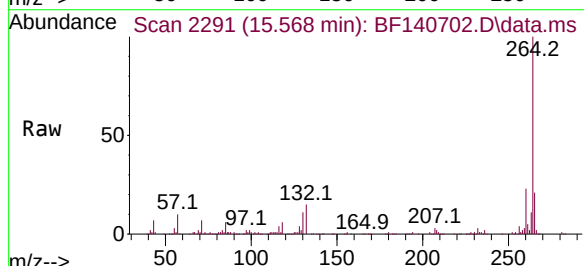
Tgt Ion:149 Resp: 506550  
Ion Ratio Lower Upper  
149 100  
167 1.6 1.3 1.9  
43 9.1 7.7 11.5

Manual Integrations  
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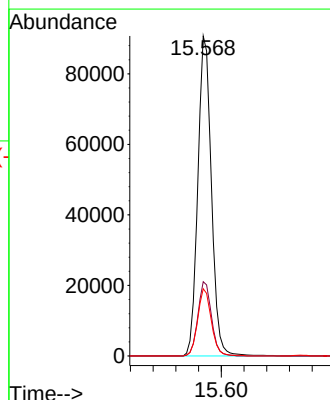
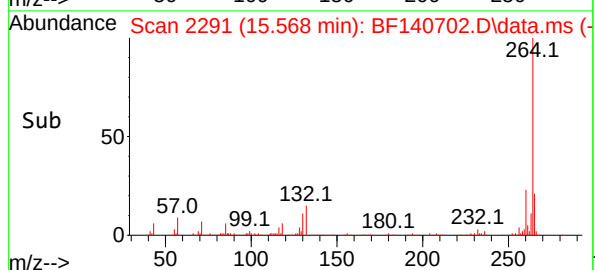
Reviewed By :Jagrut Upadhyay 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024

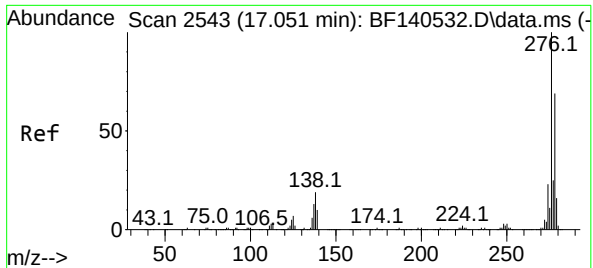


#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.568 min Scan# 2291  
Delta R.T. 0.029 min  
Lab File: BF140702.D  
Acq: 03 Dec 2024 11:24



Tgt Ion:264 Resp: 151018  
Ion Ratio Lower Upper  
264 100  
260 23.2 19.0 28.6  
265 21.0 16.6 25.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 42.625 ng

RT: 17.092 min Scan# 21

Delta R.T. 0.041 min

Lab File: BF140702.D

Acq: 03 Dec 2024 11:24

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

Tgt Ion:276 Resp: 41949

Ion Ratio Lower Upper

276 100

138 20.2 15.5 23.3

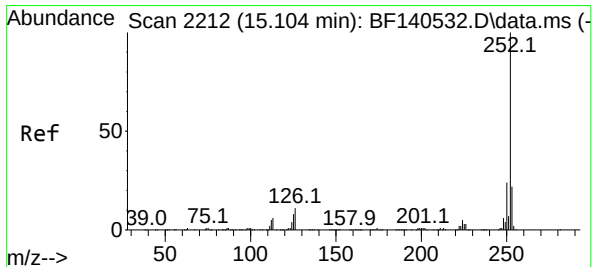
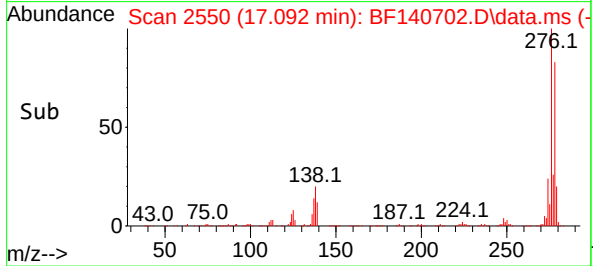
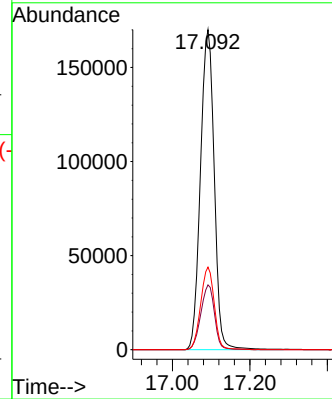
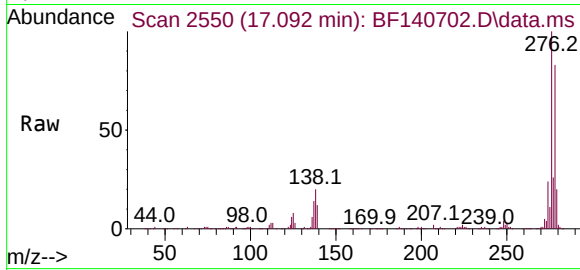
277 25.4 20.1 30.1

Manual Integrations

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Reviewed By :Jagrut Upadhyay 12/03/2024

Supervised By :mohammad ahmed 12/05/2024



#88

Benzo(b)fluoranthene

Concen: 37.514 ng

RT: 15.133 min Scan# 2217

Delta R.T. 0.029 min

Lab File: BF140702.D

Acq: 03 Dec 2024 11:24

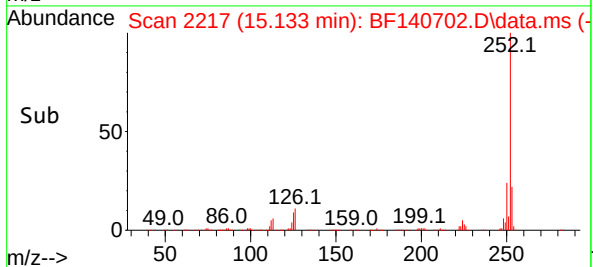
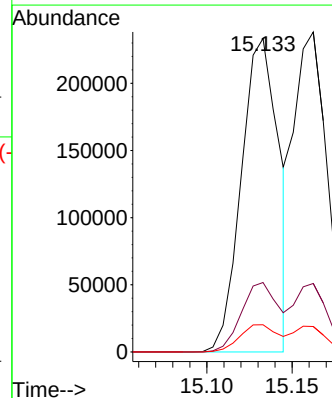
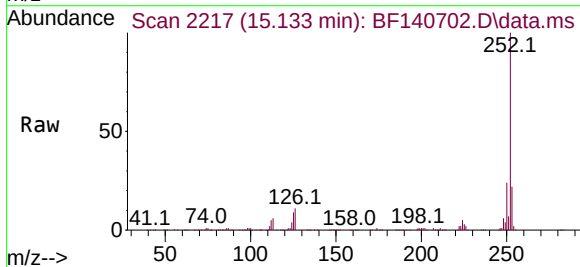
Tgt Ion:252 Resp: 355842

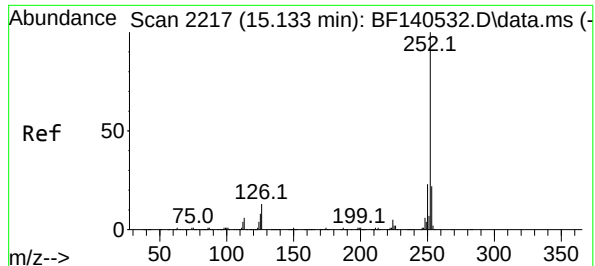
Ion Ratio Lower Upper

252 100

253 22.2 17.2 25.8

125 8.7 6.7 10.1





#89

Benzo(k)fluoranthene

Concen: 39.470 ng

RT: 15.162 min Scan# 21

Delta R.T. 0.029 min

Lab File: BF140702.D

Acq: 03 Dec 2024 11:24

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

Tgt Ion:252 Resp: 327628

Ion Ratio Lower Upper

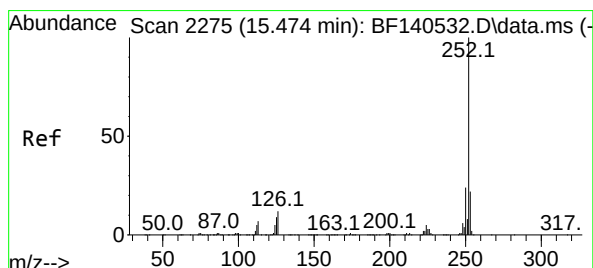
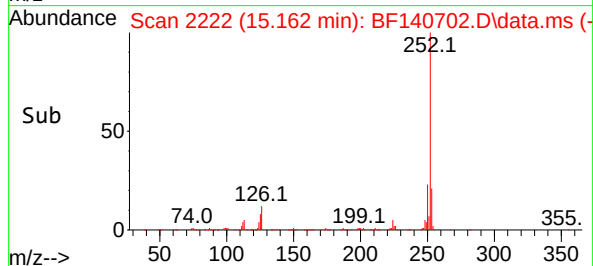
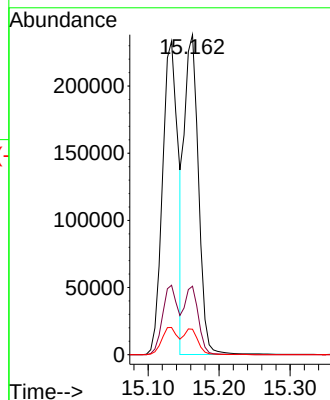
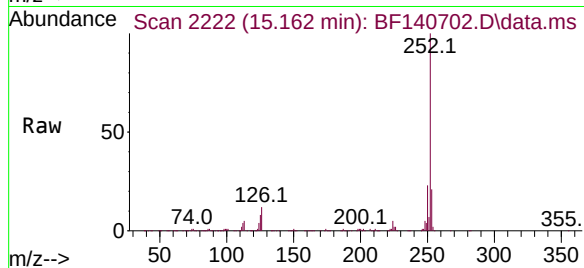
252 100

253 21.4 17.5 26.3

125 8.0 6.5 9.7

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024

#90

Benzo(a)pyrene

Concen: 38.738 ng

RT: 15.509 min Scan# 2281

Delta R.T. 0.035 min

Lab File: BF140702.D

Acq: 03 Dec 2024 11:24

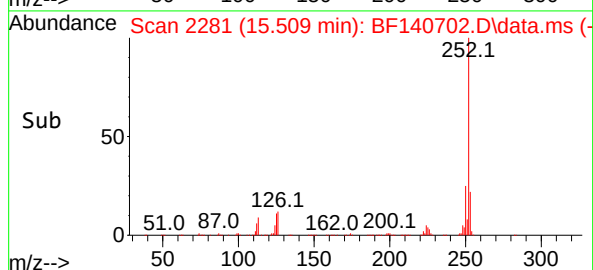
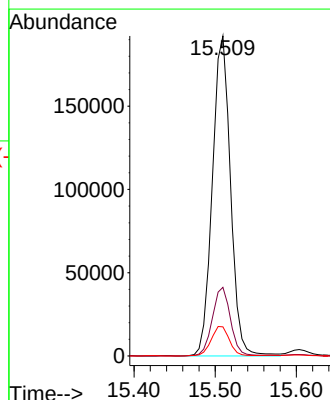
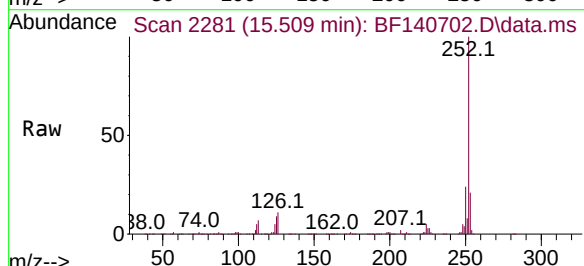
Tgt Ion:252 Resp: 298771

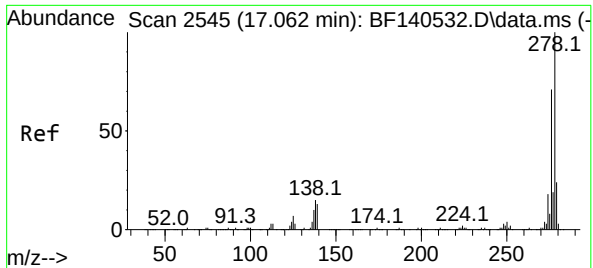
Ion Ratio Lower Upper

252 100

253 21.5 17.3 25.9

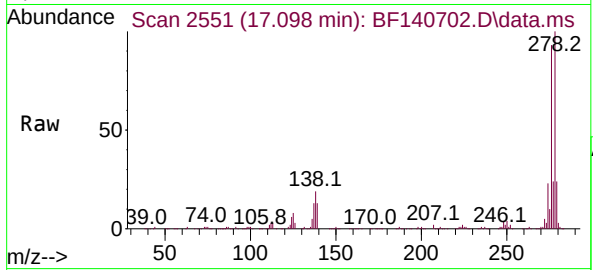
125 9.1 7.0 10.6





#91  
Dibenzo(a,h)anthracene  
Concen: 43.055 ng  
RT: 17.098 min Scan# 2545  
Delta R.T. 0.035 min  
Lab File: BF140702.D  
Acq: 03 Dec 2024 11:24

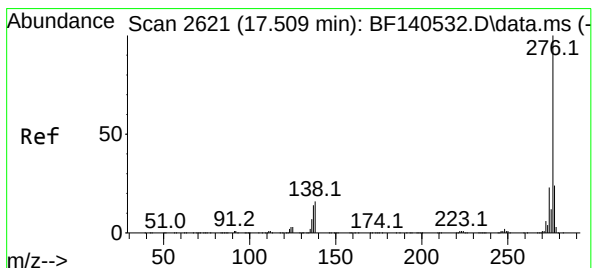
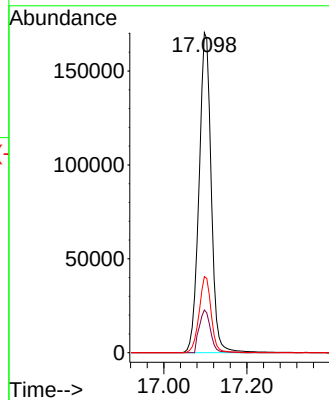
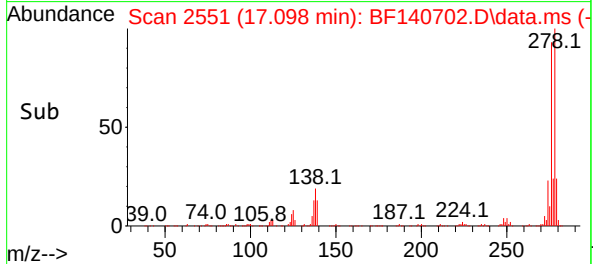
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040



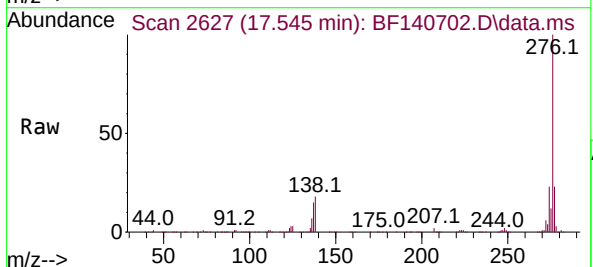
Tgt Ion:278 Resp: 347020  
Ion Ratio Lower Upper  
278 100  
139 13.4 10.2 15.4  
279 23.8 18.9 28.3

Manual Integrations  
APPROVED

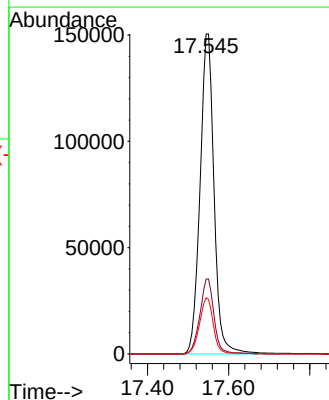
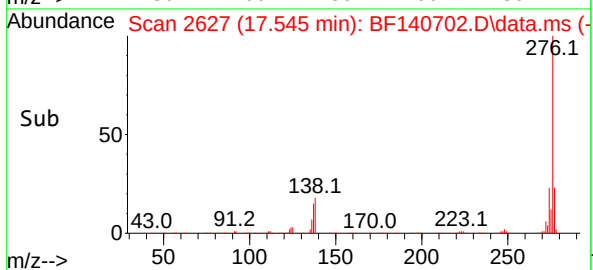
Reviewed By :Jagrut Upadhyay 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024



#92  
Benzo(g,h,i)perylene  
Concen: 43.898 ng  
RT: 17.545 min Scan# 2627  
Delta R.T. 0.035 min  
Lab File: BF140702.D  
Acq: 03 Dec 2024 11:24



Tgt Ion:276 Resp: 361051  
Ion Ratio Lower Upper  
276 100  
277 23.4 18.9 28.3  
138 17.6 13.2 19.8



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF120324\  
 Data File : BF140702.D  
 Acq On : 03 Dec 2024 11:24  
 Operator : RC/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Dec 03 12:32:40 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF112124.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Nov 21 15:23:48 2024  
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 25% Max. Rel. Area : 150%

|      | Compound                    | AvgRF | CCRF  | %Dev   | Area% | Dev(min) |
|------|-----------------------------|-------|-------|--------|-------|----------|
| 1 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0    | 73    | 0.00     |
| 2    | 1,4-Dioxane                 | 0.493 | 0.564 | -14.4  | 84    | -0.04    |
| 3    | Pyridine                    | 1.084 | 1.344 | -24.0  | 82    | -0.03    |
| 4    | n-Nitrosodimethylamine      | 0.637 | 0.658 | -3.3   | 74    | -0.04    |
| 5 S  | 2-Fluorophenol              | 1.172 | 1.135 | 3.2    | 71    | 0.00     |
| 6    | Aniline                     | 1.091 | 1.223 | -12.1  | 71    | 0.00     |
| 7 S  | Phenol-d6                   | 1.550 | 1.481 | 4.5    | 68    | 0.00     |
| 8    | 2-Chlorophenol              | 1.261 | 1.208 | 4.2    | 69    | 0.00     |
| 9    | Benzaldehyde                | 0.820 | 0.777 | 5.2    | 77    | 0.00     |
| 10 C | Phenol                      | 1.583 | 1.539 | 2.8    | 67    | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.211 | 1.158 | 4.4    | 68    | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.417 | 1.368 | 3.5    | 72    | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.435 | 1.398 | 2.6    | 72    | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.344 | 1.313 | 2.3    | 71    | 0.00     |
| 15   | Benzyl Alcohol              | 1.149 | 1.089 | 5.2    | 65    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 1.431 | 1.391 | 2.8    | 69    | 0.00     |
| 17   | 2-Methylphenol              | 1.009 | 0.953 | 5.6    | 67    | 0.00     |
| 18   | Hexachloroethane            | 0.536 | 0.521 | 2.8    | 71    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 0.916 | 0.873 | 4.7    | 67    | 0.00     |
| 20   | 3+4-Methylphenols           | 1.298 | 1.251 | 3.6    | 68    | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0    | 70    | 0.00     |
| 22   | Acetophenone                | 0.488 | 0.466 | 4.5    | 68    | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.391 | 0.372 | 4.9    | 66    | 0.00     |
| 24   | Nitrobenzene                | 0.404 | 0.383 | 5.2    | 66    | 0.00     |
| 25   | Isophorone                  | 0.652 | 0.632 | 3.1    | 67    | 0.00     |
| 26 C | 2-Nitrophenol               | 0.179 | 0.173 | 3.4    | 67    | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.214 | 0.218 | -1.9   | 68    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.397 | 0.390 | 1.8    | 68    | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.284 | 0.283 | 0.4    | 70    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.324 | 0.319 | 1.5    | 70    | 0.00     |
| 31   | Naphthalene                 | 1.030 | 0.996 | 3.3    | 68    | 0.00     |
| 32   | Benzoic acid                | 0.164 | 0.156 | 4.9    | 61    | 0.00     |
| 33   | 4-Chloroaniline             | 0.308 | 0.329 | -6.8   | 70    | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.215 | 0.215 | 0.0    | 71    | 0.00     |
| 35   | Caprolactam                 | 0.088 | 0.082 | 6.8    | 63    | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 0.318 | 0.305 | 4.1    | 65    | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.654 | 0.649 | 0.8    | 70    | 0.00     |
| 38   | 1-Methylnaphthalene         | 0.641 | 0.624 | 2.7    | 68    | 0.00     |
| 39 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0    | 69    | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 0.586 | 0.575 | 1.9    | 71    | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 0.107 | 0.142 | -32.7# | 86    | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 0.214 | 0.209 | 2.3    | 67    | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 0.367 | 0.361 | 1.6    | 68    | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 0.399 | 0.385 | 3.5    | 66    | 0.00     |
| 45 S | 2-Fluorobiphenyl            | 1.342 | 1.315 | 2.0    | 70    | 0.00     |
| 46   | 1,1'-Biphenyl               | 1.493 | 1.479 | 0.9    | 71    | 0.00     |
| 47   | 2-Chloronaphthalene         | 1.131 | 1.091 | 3.5    | 68    | 0.00     |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF120324\  
 Data File : BF140702.D  
 Acq On : 03 Dec 2024 11:24  
 Operator : RC/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Dec 03 12:32:40 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF112124.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Nov 21 15:23:48 2024  
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 25% Max. Rel. Area : 150%

|      | Compound                   | AvgRF | CCRF  | %Dev   | Area% | Dev(min) |
|------|----------------------------|-------|-------|--------|-------|----------|
| 48   | 2-Nitroaniline             | 0.363 | 0.339 | 6.6    | 64    | 0.00     |
| 49   | Acenaphthylene             | 1.710 | 1.655 | 3.2    | 69    | 0.00     |
| 50   | Dimethylphthalate          | 1.317 | 1.298 | 1.4    | 69    | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 0.299 | 0.293 | 2.0    | 67    | 0.00     |
| 52 C | Acenaphthene               | 1.086 | 1.031 | 5.1    | 67    | 0.00     |
| 53   | 3-Nitroaniline             | 0.292 | 0.293 | -0.3   | 67    | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 0.122 | 0.136 | -11.5  | 67    | 0.00     |
| 55   | Dibenzofuran               | 1.657 | 1.609 | 2.9    | 69    | 0.00     |
| 56 P | 4-Nitrophenol              | 0.199 | 0.163 | 18.1   | 54    | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 0.397 | 0.396 | 0.3    | 68    | 0.00     |
| 58   | Fluorene                   | 1.330 | 1.306 | 1.8    | 70    | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 0.306 | 0.298 | 2.6    | 66    | 0.00     |
| 60   | Diethylphthalate           | 1.338 | 1.355 | -1.3   | 71    | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 0.653 | 0.663 | -1.5   | 72    | 0.00     |
| 62   | 4-Nitroaniline             | 0.306 | 0.294 | 3.9    | 65    | 0.00     |
| 63   | Azobenzene                 | 1.267 | 1.240 | 2.1    | 69    | 0.00     |
| 64 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0    | 71    | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 0.102 | 0.096 | 5.9    | 62    | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 0.591 | 0.575 | 2.7    | 70    | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 0.206 | 0.204 | 1.0    | 72    | 0.00     |
| 68   | Hexachlorobenzene          | 0.238 | 0.232 | 2.5    | 70    | 0.00     |
| 69   | Atrazine                   | 0.166 | 0.136 | 18.1   | 69    | 0.00     |
| 70 C | Pentachlorophenol          | 0.105 | 0.086 | 18.1   | 52    | 0.00     |
| 71   | Phenanthrene               | 0.961 | 0.921 | 4.2    | 69    | 0.00     |
| 72   | Anthracene                 | 0.940 | 0.906 | 3.6    | 69    | 0.00     |
| 73   | Carbazole                  | 0.905 | 0.881 | 2.7    | 70    | 0.00     |
| 74   | Di-n-butylphthalate        | 1.044 | 1.104 | -5.7   | 76    | 0.00     |
| 75 C | Fluoranthene               | 1.044 | 1.025 | 1.8    | 71    | 0.00     |
| 76 I | Chrysene-d12               | 1.000 | 1.000 | 0.0    | 75    | 0.00     |
| 77   | Benzydine                  | 0.581 | 0.544 | 6.4    | 71    | 0.00     |
| 78   | Pyrene                     | 1.849 | 1.786 | 3.4    | 72    | 0.00     |
| 79 S | Terphenyl-d14              | 1.284 | 1.295 | -0.9   | 76    | 0.00     |
| 80   | Butylbenzylphthalate       | 0.666 | 0.730 | -9.6   | 80    | 0.00     |
| 81   | Benzo(a)anthracene         | 1.324 | 1.330 | -0.5   | 77    | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 0.397 | 0.407 | -2.5   | 74    | 0.00     |
| 83   | Chrysene                   | 1.211 | 1.133 | 6.4    | 70    | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 0.841 | 0.996 | -18.4  | 89    | 0.00     |
| 85 c | Di-n-octyl phthalate       | 1.150 | 1.415 | -23.0# | 93    | 0.03     |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0    | 71    | 0.03     |
| 87   | Indeno(1,2,3-cd)pyrene     | 1.303 | 1.389 | -6.6   | 76    | 0.04     |
| 88   | Benzo(b)fluoranthene       | 1.256 | 1.178 | 6.2    | 71    | 0.03     |
| 89   | Benzo(k)fluoranthene       | 1.099 | 1.085 | 1.3    | 70    | 0.03     |
| 90 C | Benzo(a)pyrene             | 1.021 | 0.989 | 3.1    | 70    | 0.04     |
| 91   | Dibenzo(a,h)anthracene     | 1.067 | 1.149 | -7.7   | 77    | 0.04     |
| 92   | Benzo(g,h,i)perylene       | 1.089 | 1.195 | -9.7   | 79    | 0.04     |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF120324\  
Data File : BF140702.D  
Acq On : 03 Dec 2024 11:24  
Operator : RC/JU  
Sample : SSTDCCC040  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_F  
LabSampleId :  
SSTDCCC040

Quant Time: Dec 03 12:32:40 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF112124.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Nov 21 15:23:48 2024  
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
Max. RRF Dev : 25% Max. Rel. Area : 150%

| Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|----------|-------|------|------|-------|----------|
|----------|-------|------|------|-------|----------|

(#) = Out of Range

SPCC's out = 0 CCC's out = 1

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF120324\  
 Data File : BF140702.D  
 Acq On : 03 Dec 2024 11:24  
 Operator : RC/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Dec 03 12:32:40 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF112124.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Nov 21 15:23:48 2024  
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 25% Max. Rel. Area : 150%

|      | Compound                    | Amount | Calc.  | %Dev  | Area% | Dev(min) |
|------|-----------------------------|--------|--------|-------|-------|----------|
| 1 I  | 1,4-Dichlorobenzene-d4      | 20.000 | 20.000 | 0.0   | 73    | 0.00     |
| 2    | 1,4-Dioxane                 | 40.000 | 45.766 | -14.4 | 84    | -0.04    |
| 3    | Pyridine                    | 40.000 | 49.593 | -24.0 | 82    | -0.03    |
| 4    | n-Nitrosodimethylamine      | 40.000 | 41.283 | -3.2  | 74    | -0.04    |
| 5 S  | 2-Fluorophenol              | 80.000 | 77.455 | 3.2   | 71    | 0.00     |
| 6    | Aniline                     | 40.000 | 44.840 | -12.1 | 71    | 0.00     |
| 7 S  | Phenol-d6                   | 80.000 | 76.474 | 4.4   | 68    | 0.00     |
| 8    | 2-Chlorophenol              | 40.000 | 38.325 | 4.2   | 69    | 0.00     |
| 9    | Benzaldehyde                | 40.000 | 37.882 | 5.3   | 77    | 0.00     |
| 10 C | Phenol                      | 40.000 | 38.899 | 2.8   | 67    | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 40.000 | 38.252 | 4.4   | 68    | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 40.000 | 38.625 | 3.4   | 72    | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 40.000 | 38.980 | 2.6   | 72    | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 40.000 | 39.066 | 2.3   | 71    | 0.00     |
| 15   | Benzyl Alcohol              | 40.000 | 37.912 | 5.2   | 65    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 40.000 | 38.885 | 2.8   | 69    | 0.00     |
| 17   | 2-Methylphenol              | 40.000 | 37.747 | 5.6   | 67    | 0.00     |
| 18   | Hexachloroethane            | 40.000 | 38.905 | 2.7   | 71    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 40.000 | 38.140 | 4.6   | 67    | 0.00     |
| 20   | 3+4-Methylphenols           | 40.000 | 38.568 | 3.6   | 68    | 0.00     |
| 21 I | Naphthalene-d8              | 20.000 | 20.000 | 0.0   | 70    | 0.00     |
| 22   | Acetophenone                | 40.000 | 38.257 | 4.4   | 68    | 0.00     |
| 23 S | Nitrobenzene-d5             | 80.000 | 76.184 | 4.8   | 66    | 0.00     |
| 24   | Nitrobenzene                | 40.000 | 37.883 | 5.3   | 66    | 0.00     |
| 25   | Isophorone                  | 40.000 | 38.738 | 3.2   | 67    | 0.00     |
| 26 C | 2-Nitrophenol               | 40.000 | 38.717 | 3.2   | 67    | 0.00     |
| 27   | 2,4-Dimethylphenol          | 40.000 | 40.738 | -1.8  | 68    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 40.000 | 39.270 | 1.8   | 68    | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 40.000 | 39.821 | 0.4   | 70    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 40.000 | 39.354 | 1.6   | 70    | 0.00     |
| 31   | Naphthalene                 | 40.000 | 38.658 | 3.4   | 68    | 0.00     |
| 32   | Benzoic acid                | 40.000 | 35.627 | 10.9  | 61    | 0.00     |
| 33   | 4-Chloroaniline             | 40.000 | 42.636 | -6.6  | 70    | 0.00     |
| 34 C | Hexachlorobutadiene         | 40.000 | 40.096 | -0.2  | 71    | 0.00     |
| 35   | Caprolactam                 | 40.000 | 37.400 | 6.5   | 63    | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 40.000 | 38.355 | 4.1   | 65    | 0.00     |
| 37   | 2-Methylnaphthalene         | 40.000 | 39.683 | 0.8   | 70    | 0.00     |
| 38   | 1-Methylnaphthalene         | 40.000 | 38.933 | 2.7   | 68    | 0.00     |
| 39 I | Acenaphthene-d10            | 20.000 | 20.000 | 0.0   | 69    | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 40.000 | 39.292 | 1.8   | 71    | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 40.000 | 46.421 | -16.1 | 86    | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 80.000 | 78.050 | 2.4   | 67    | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 40.000 | 39.253 | 1.9   | 68    | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 40.000 | 38.605 | 3.5   | 66    | 0.00     |
| 45 S | 2-Fluorobiphenyl            | 80.000 | 78.355 | 2.1   | 70    | 0.00     |
| 46   | 1,1'-Biphenyl               | 40.000 | 39.625 | 0.9   | 71    | 0.00     |
| 47   | 2-Chloronaphthalene         | 40.000 | 38.572 | 3.6   | 68    | 0.00     |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF120324\  
 Data File : BF140702.D  
 Acq On : 03 Dec 2024 11:24  
 Operator : RC/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Dec 03 12:32:40 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF112124.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Nov 21 15:23:48 2024  
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 25% Max. Rel. Area : 150%

|      | Compound                   | Amount | Calc.  | %Dev   | Area% | Dev(min) |
|------|----------------------------|--------|--------|--------|-------|----------|
| 48   | 2-Nitroaniline             | 40.000 | 37.346 | 6.6    | 64    | 0.00     |
| 49   | Acenaphthylene             | 40.000 | 38.719 | 3.2    | 69    | 0.00     |
| 50   | Dimethylphthalate          | 40.000 | 39.405 | 1.5    | 69    | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 40.000 | 39.292 | 1.8    | 67    | 0.00     |
| 52 C | Acenaphthene               | 40.000 | 37.968 | 5.1    | 67    | 0.00     |
| 53   | 3-Nitroaniline             | 40.000 | 40.066 | -0.2   | 67    | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 40.000 | 39.659 | 0.9    | 67    | 0.00     |
| 55   | Dibenzofuran               | 40.000 | 38.851 | 2.9    | 69    | 0.00     |
| 56 P | 4-Nitrophenol              | 40.000 | 32.754 | 18.1   | 54    | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 40.000 | 39.860 | 0.4    | 68    | 0.00     |
| 58   | Fluorene                   | 40.000 | 39.266 | 1.8    | 70    | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 38.960 | 2.6    | 66    | 0.00     |
| 60   | Diethylphthalate           | 40.000 | 40.498 | -1.2   | 71    | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 40.000 | 40.622 | -1.6   | 72    | 0.00     |
| 62   | 4-Nitroaniline             | 40.000 | 38.398 | 4.0    | 65    | 0.00     |
| 63   | Azobenzene                 | 40.000 | 39.125 | 2.2    | 69    | 0.00     |
| 64 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0    | 71    | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 40.000 | 37.542 | 6.1    | 62    | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 40.000 | 38.882 | 2.8    | 70    | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 40.000 | 39.608 | 1.0    | 72    | 0.00     |
| 68   | Hexachlorobenzene          | 40.000 | 38.874 | 2.8    | 70    | 0.00     |
| 69   | Atrazine                   | 40.000 | 32.739 | 18.2   | 69    | 0.00     |
| 70 C | Pentachlorophenol          | 40.000 | 32.757 | 18.1   | 52    | 0.00     |
| 71   | Phenanthrene               | 40.000 | 38.307 | 4.2    | 69    | 0.00     |
| 72   | Anthracene                 | 40.000 | 38.526 | 3.7    | 69    | 0.00     |
| 73   | Carbazole                  | 40.000 | 38.961 | 2.6    | 70    | 0.00     |
| 74   | Di-n-butylphthalate        | 40.000 | 42.262 | -5.7   | 76    | 0.00     |
| 75 C | Fluoranthene               | 40.000 | 39.286 | 1.8    | 71    | 0.00     |
| 76 I | Chrysene-d12               | 20.000 | 20.000 | 0.0    | 75    | 0.00     |
| 77   | Benzydine                  | 40.000 | 37.410 | 6.5    | 71    | 0.00     |
| 78   | Pyrene                     | 40.000 | 38.629 | 3.4    | 72    | 0.00     |
| 79 S | Terphenyl-d14              | 80.000 | 80.677 | -0.8   | 76    | 0.00     |
| 80   | Butylbenzylphthalate       | 40.000 | 43.826 | -9.6   | 80    | 0.00     |
| 81   | Benzo(a)anthracene         | 40.000 | 40.198 | -0.5   | 77    | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 40.000 | 40.916 | -2.3   | 74    | 0.00     |
| 83   | Chrysene                   | 40.000 | 37.425 | 6.4    | 70    | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 40.000 | 47.352 | -18.4  | 89    | 0.00     |
| 85 c | Di-n-octyl phthalate       | 40.000 | 49.245 | -23.1# | 93    | 0.03     |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0    | 71    | 0.03     |
| 87   | Indeno(1,2,3-cd)pyrene     | 40.000 | 42.625 | -6.6   | 76    | 0.04     |
| 88   | Benzo(b)fluoranthene       | 40.000 | 37.514 | 6.2    | 71    | 0.03     |
| 89   | Benzo(k)fluoranthene       | 40.000 | 39.470 | 1.3    | 70    | 0.03     |
| 90 C | Benzo(a)pyrene             | 40.000 | 38.738 | 3.2    | 70    | 0.04     |
| 91   | Dibenzo(a,h)anthracene     | 40.000 | 43.055 | -7.6   | 77    | 0.04     |
| 92   | Benzo(g,h,i)perylene       | 40.000 | 43.898 | -9.7   | 79    | 0.04     |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF120324\  
Data File : BF140702.D  
Acq On : 03 Dec 2024 11:24  
Operator : RC/JU  
Sample : SSTDCCC040  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_F  
LabSampleId :  
SSTDCCC040

Quant Time: Dec 03 12:32:40 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF112124.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Nov 21 15:23:48 2024  
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
Max. RRF Dev : 25% Max. Rel. Area : 150%

| Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|----------|--------|-------|------|-------|----------|
|----------|--------|-------|------|-------|----------|

-----  
(#) = Out of Range                      SPCC's out = 0    CCC's out = 1



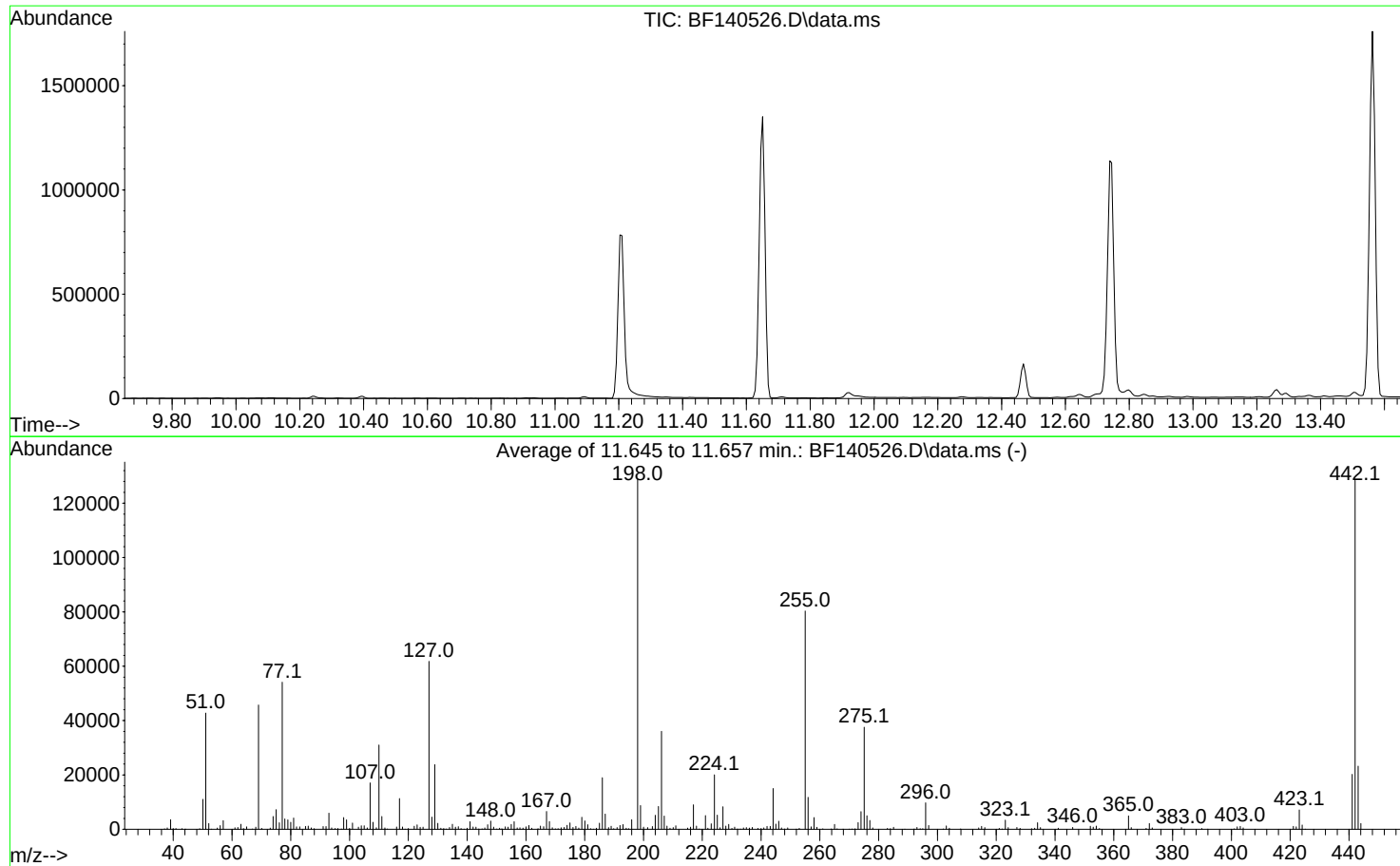
# QC SAMPLE DATA

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF112124\  
Data File : BF140526.D  
Acq On : 21 Nov 2024 10:17  
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-BF112124.M  
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
Last Update : Thu Nov 21 15:23:48 2024



AutoFind: Scans 1624, 1625, 1626; Background Corrected with Scan 1617

| 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              | 33.3         | 42792      | PASS                |
| 68             | 69              | 0.00            | 2               | 1.8          | 810        | PASS                |
| 69             | 198             | 0.00            | 100             | 35.5         | 45731      | PASS                |
| 70             | 69              | 0.00            | 2               | 0.7          | 327        | PASS                |
| 127            | 198             | 10              | 80              | 48.0         | 61811      | PASS                |
| 197            | 198             | 0.00            | 2               | 0.0          | 0          | PASS                |
| 198            | 198             | 100             | 100             | 100.0        | 128688     | PASS                |
| 199            | 198             | 5               | 9               | 6.8          | 8723       | PASS                |
| 275            | 198             | 10              | 60              | 29.2         | 37552      | PASS                |
| 365            | 198             | 1               | 100             | 3.8          | 4944       | PASS                |
| 441            | 198             | 0.01            | 100             | 15.7         | 20189      | PASS                |
| 442            | 442             | 50              | 100             | 100.0        | 128421     | PASS                |
| 443            | 442             | 15              | 24              | 18.1         | 23261      | PASS                |

### DDT Breakdown

| Date          | Instrument Name  | DFTPP Data File    |
|---------------|------------------|--------------------|
| 11/21/2024    | BNA_F            | <u>BF140526.D</u>  |
|               |                  |                    |
|               |                  |                    |
| Compound Name | Response         | Retention Time     |
|               |                  |                    |
| DDT           | 424151           | 13.562             |
| DDD           | 14557            | 13.262             |
| DDE           | 1132             | 12.921             |
|               |                  |                    |
|               |                  |                    |
| SUM(DDD+DDE)  | SUM(DDT+DDD+DDE) | % Breakdown Of DDT |
|               |                  |                    |
| 15689         | 439840           | 3.57               |
|               |                  |                    |

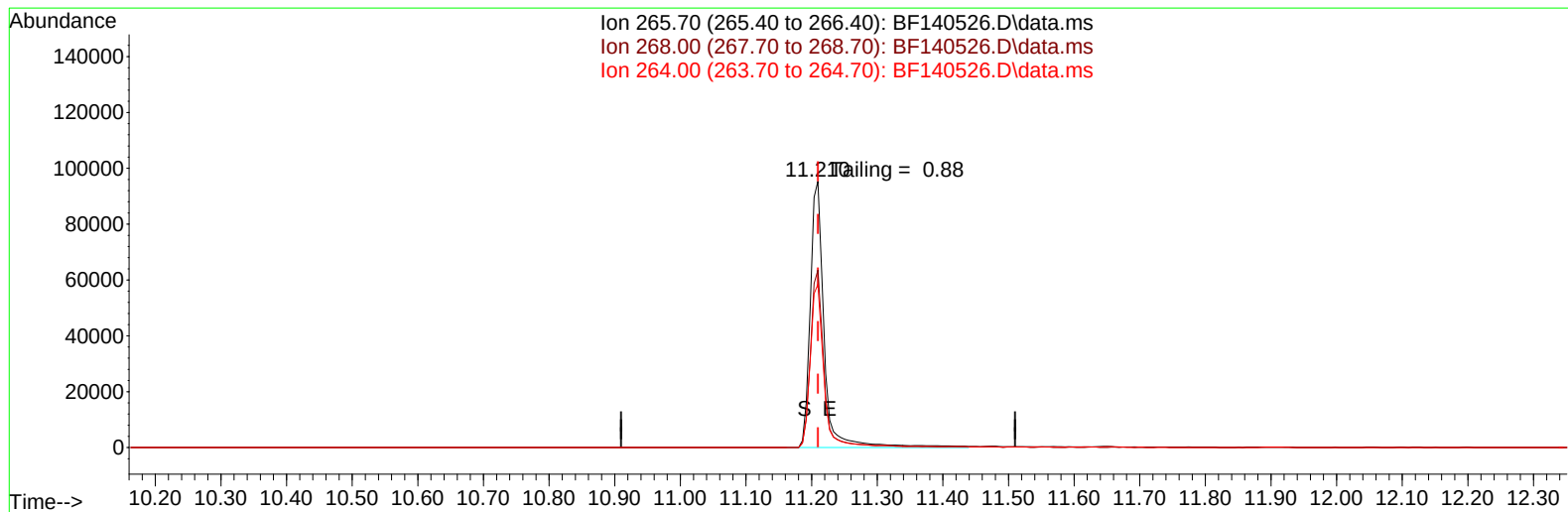
Instrument :  
BNA\_F  
ClientSampleId :  
DFTPP



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF112124\  
Data File : BF140526.D  
Acq On : 21 Nov 2024 10:17  
Operator : RC/JU  
Sample : DFTPP  
Misc :  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
DFTPP

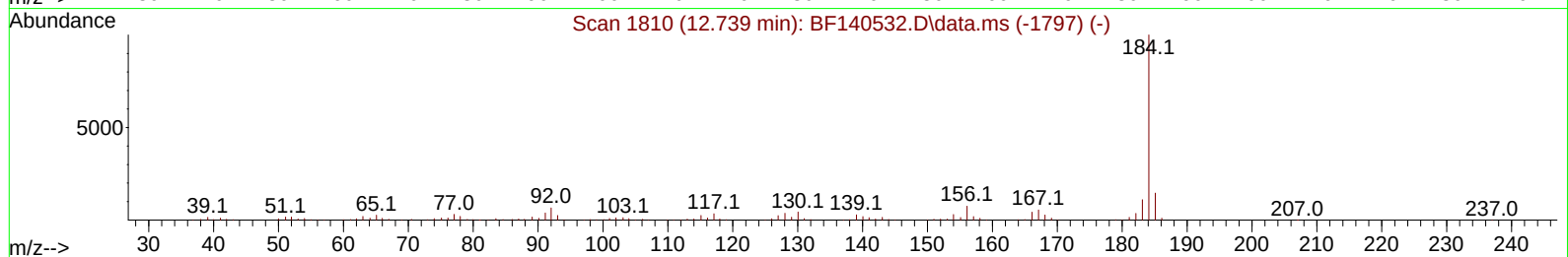
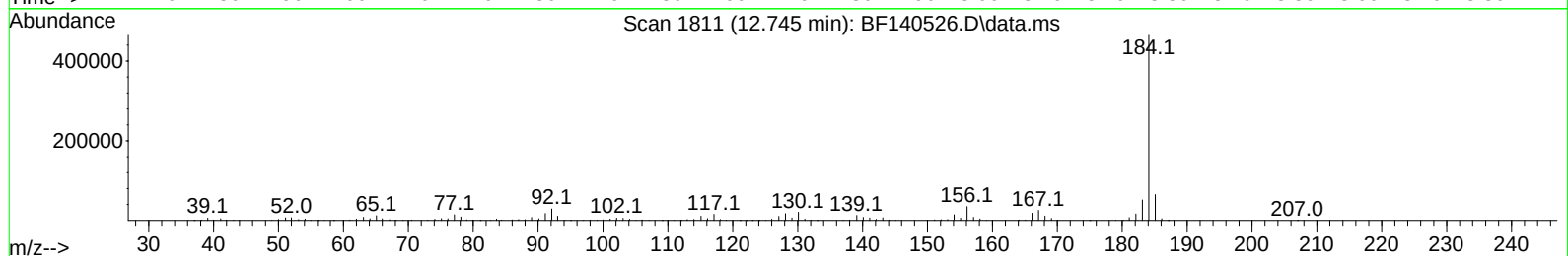
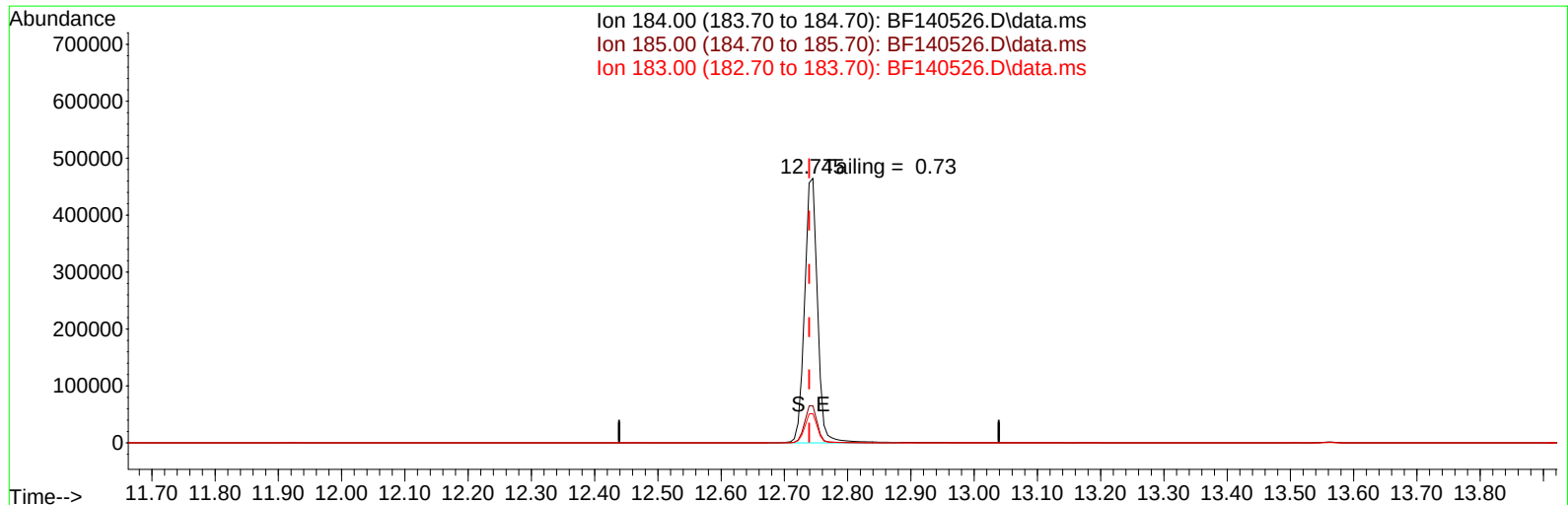
Quant Time: Nov 21 15:24:39 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF112124.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Nov 21 15:23:48 2024  
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF112124\  
Data File : BF140526.D  
Acq On : 21 Nov 2024 10:17  
Operator : RC/JU  
Sample : DFTPP  
Misc :  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
DFTPP

Quant Time: Nov 21 15:24:39 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF112124.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Nov 21 15:23:48 2024  
Response via : Initial Calibration



TIC: BF140526.D\data.ms

**(77) Benzidine**

12.745min (+ 0.006) 32779.12 ng

response 668077

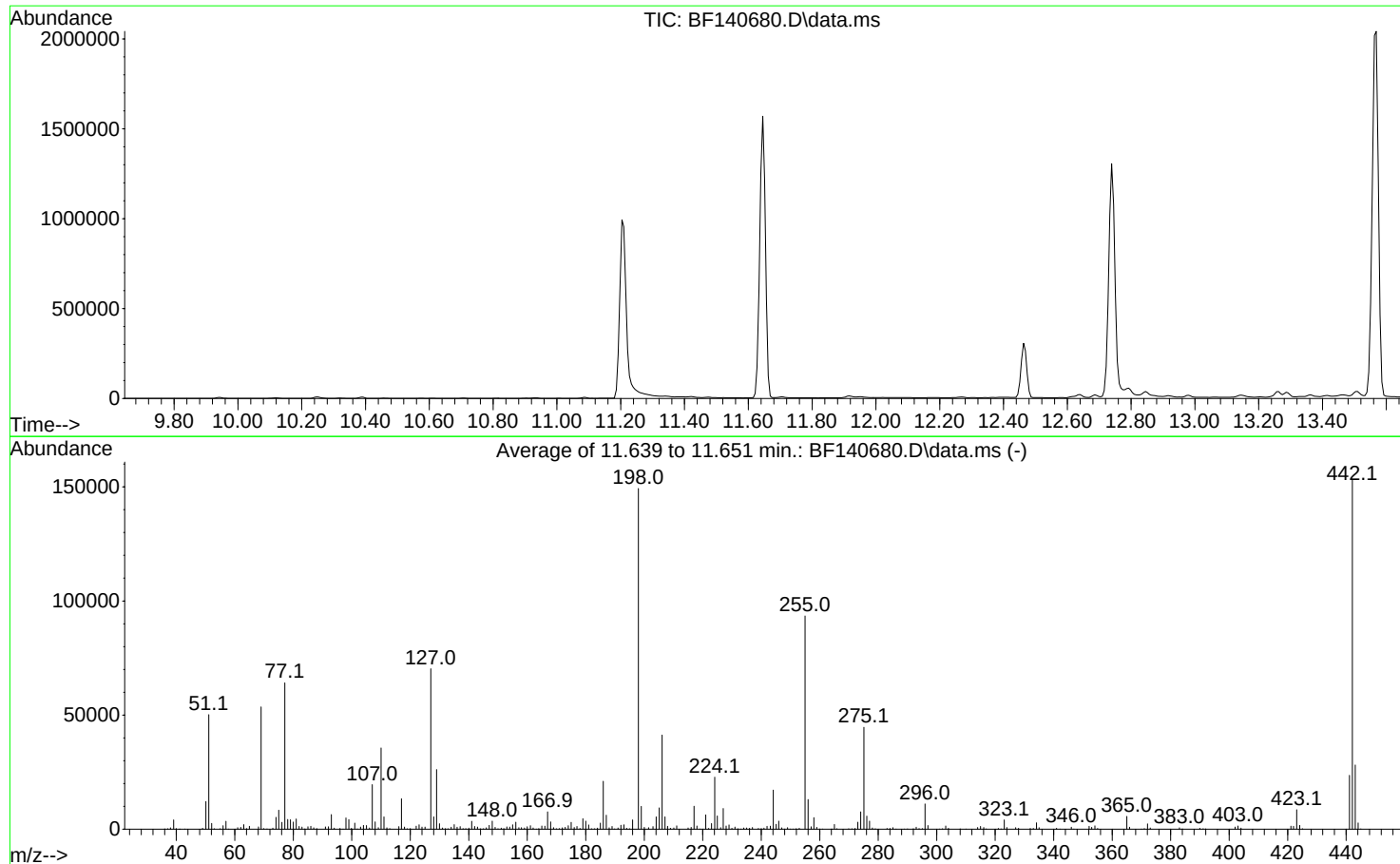
| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 184.00 | 100.00 | 100.00 |
| 185.00 | 14.60  | 14.02  |
| 183.00 | 11.00  | 11.11  |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF120224\  
Data File : BF140680.D  
Acq On : 02 Dec 2024 09:05  
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-BF112124.M  
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
Last Update : Thu Nov 21 15:23:48 2024



AutoFind: Scans 1623, 1624, 1625; Background Corrected with Scan 1616

| 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              | 33.6         | 50173      | PASS                |
| 68             | 69              | 0.00            | 2               | 1.9          | 999        | PASS                |
| 69             | 198             | 0.00            | 100             | 35.9         | 53580      | PASS                |
| 70             | 69              | 0.00            | 2               | 0.5          | 280        | PASS                |
| 127            | 198             | 10              | 80              | 47.1         | 70339      | PASS                |
| 197            | 198             | 0.00            | 2               | 0.0          | 0          | PASS                |
| 198            | 198             | 100             | 100             | 100.0        | 149269     | PASS                |
| 199            | 198             | 5               | 9               | 6.7          | 10008      | PASS                |
| 275            | 198             | 10              | 60              | 29.9         | 44685      | PASS                |
| 365            | 198             | 1               | 100             | 3.8          | 5603       | PASS                |
| 441            | 198             | 0.01            | 100             | 15.8         | 23611      | PASS                |
| 442            | 442             | 50              | 100             | 100.0        | 153221     | PASS                |
| 443            | 442             | 15              | 24              | 18.4         | 28133      | PASS                |

### DDT Breakdown

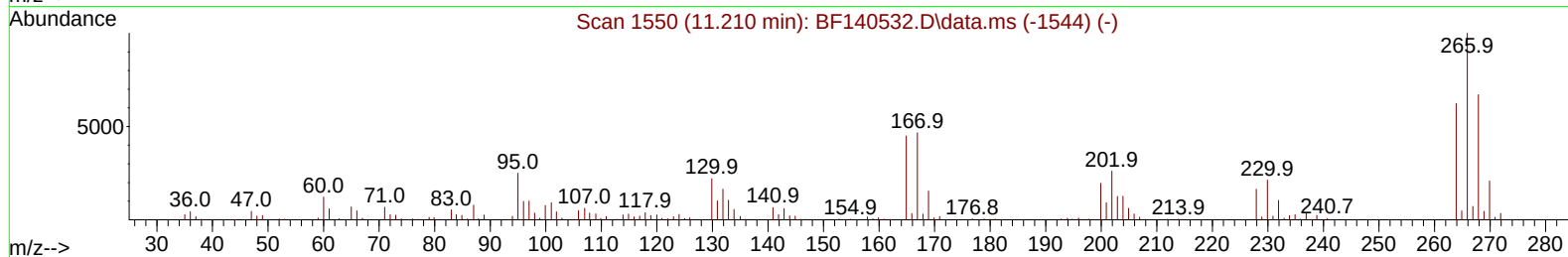
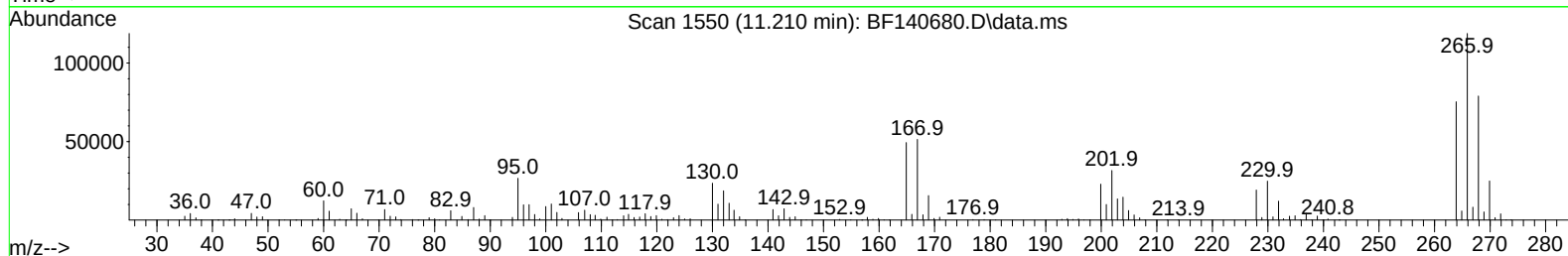
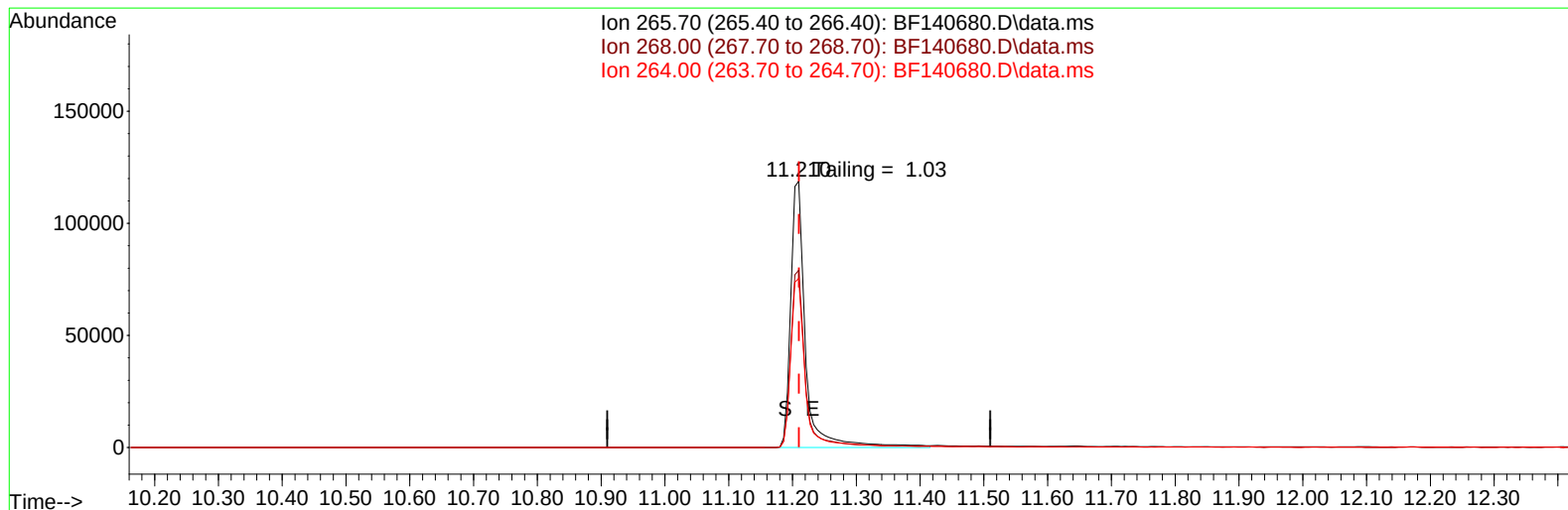
| Date          | Instrument Name  | DFTPP Data File    |
|---------------|------------------|--------------------|
| 12/2/2024     | BNA_F            | <u>BF140680.D</u>  |
|               |                  |                    |
|               |                  |                    |
| Compound Name | Response         | Retention Time     |
|               |                  |                    |
| DDT           | 546879           | 13.568             |
| DDD           | 16061            | 13.263             |
| DDE           | 2435             | 12.921             |
|               |                  |                    |
|               |                  |                    |
| SUM(DDD+DDE)  | SUM(DDT+DDD+DDE) | % Breakdown Of DDT |
|               |                  |                    |
| 18496         | 565375           | 3.27               |
|               |                  |                    |

Instrument :  
BNA\_F  
ClientSampleId :  
DFTPP

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF120224\  
Data File : BF140680.D  
Acq On : 02 Dec 2024 09:05  
Operator : RC/JU  
Sample : DFTPP  
Misc :  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
DFTPP

Quant Time: Dec 02 10:53:38 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF112124.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Nov 21 15:23:48 2024  
Response via : Initial Calibration



TIC: BF140680.D\data.ms

**(70) Pentachlorophenol (C)**

**11.210min (-0.000) 19742.67 ng**

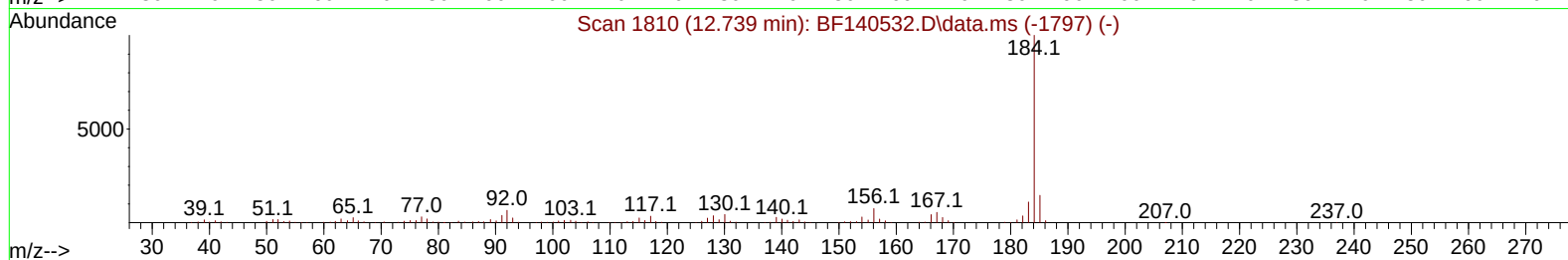
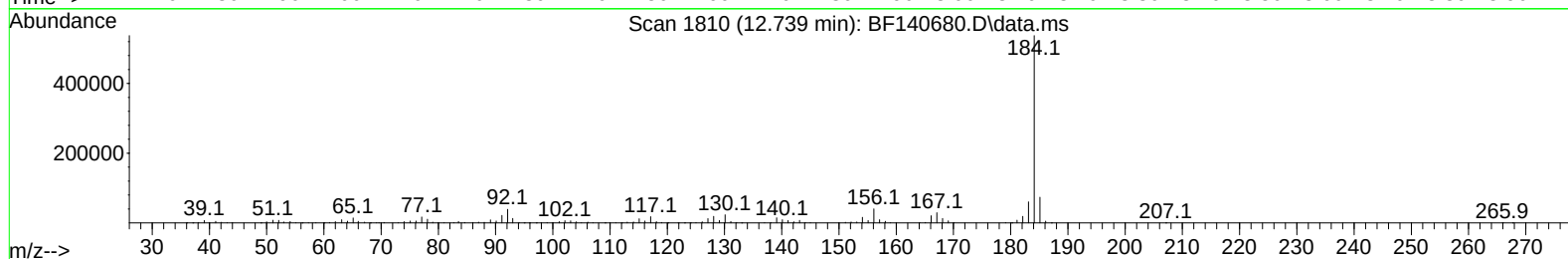
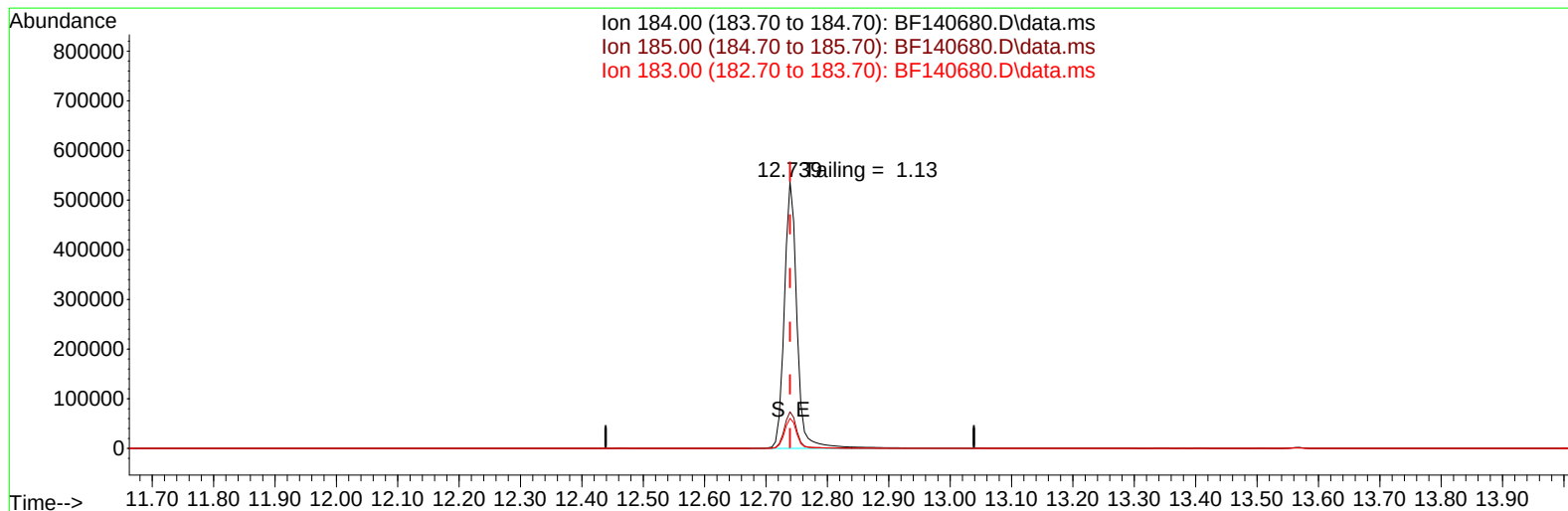
**response 192207**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 265.70 | 100.00 | 100.00 |
| 268.00 | 67.10  | 66.55  |
| 264.00 | 62.30  | 63.49  |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF120224\  
Data File : BF140680.D  
Acq On : 02 Dec 2024 09:05  
Operator : RC/JU  
Sample : DFTPP  
Misc :  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
DFTPP

Quant Time: Dec 02 10:53:38 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF112124.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Nov 21 15:23:48 2024  
Response via : Initial Calibration



TIC: BF140680.D\data.ms

**(77) Benzidine**

12.739min (+ 0.000) 18798.86 ng

response 775031

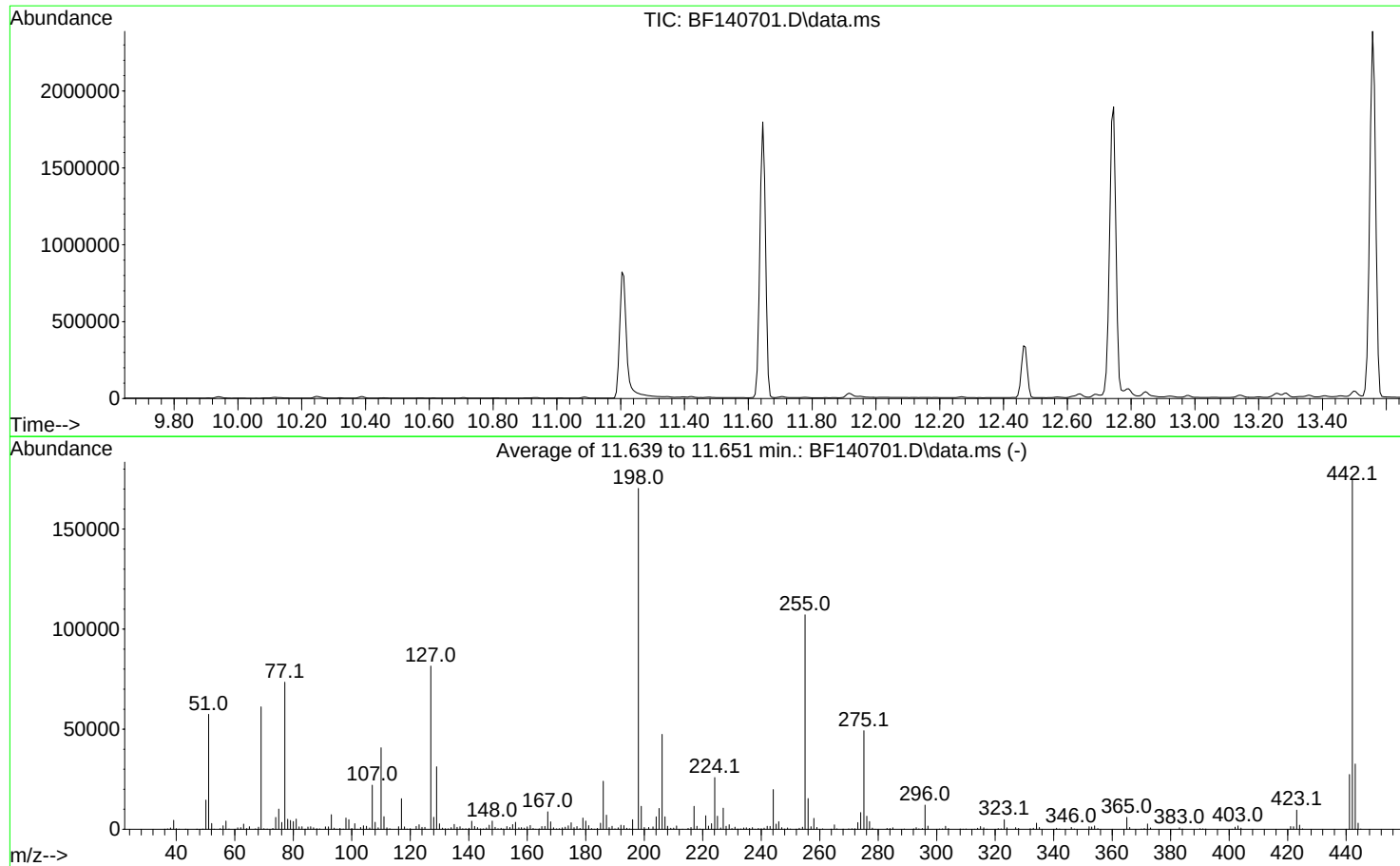
| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 184.00 | 100.00 | 100.00 |
| 185.00 | 14.60  | 13.73  |
| 183.00 | 11.00  | 11.31  |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF120324\  
Data File : BF140701.D  
Acq On : 03 Dec 2024 10:24  
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-BF112124.M  
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
Last Update : Thu Nov 21 15:23:48 2024



AutoFind: Scans 1623, 1624, 1625; Background Corrected with Scan 1616

| 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              | 33.7         | 57429      | PASS                |
| 68             | 69              | 0.00            | 2               | 1.8          | 1107       | PASS                |
| 69             | 198             | 0.00            | 100             | 35.9         | 61161      | PASS                |
| 70             | 69              | 0.00            | 2               | 0.6          | 346        | PASS                |
| 127            | 198             | 10              | 80              | 47.9         | 81539      | PASS                |
| 197            | 198             | 0.00            | 2               | 0.0          | 0          | PASS                |
| 198            | 198             | 100             | 100             | 100.0        | 170304     | PASS                |
| 199            | 198             | 5               | 9               | 6.8          | 11503      | PASS                |
| 275            | 198             | 10              | 60              | 28.9         | 49245      | PASS                |
| 365            | 198             | 1               | 100             | 3.5          | 5967       | PASS                |
| 441            | 198             | 0.01            | 100             | 16.1         | 27336      | PASS                |
| 442            | 442             | 50              | 100             | 100.0        | 174739     | PASS                |
| 443            | 442             | 15              | 24              | 18.7         | 32595      | PASS                |

### DDT Breakdown

| Date          | Instrument Name  | DFTPP Data File    |
|---------------|------------------|--------------------|
| 12/3/2024     | BNA_F            | <u>BF140701.D</u>  |
|               |                  |                    |
|               |                  |                    |
| Compound Name | Response         | Retention Time     |
|               |                  |                    |
| DDT           | 617260           | 13.557             |
| DDD           | 16771            | 13.257             |
| DDE           | 2986             | 12.921             |
|               |                  |                    |
|               |                  |                    |
| SUM(DDD+DDE)  | SUM(DDT+DDD+DDE) | % Breakdown Of DDT |
|               |                  |                    |
| 19757         | 637017           | 3.10               |
|               |                  |                    |

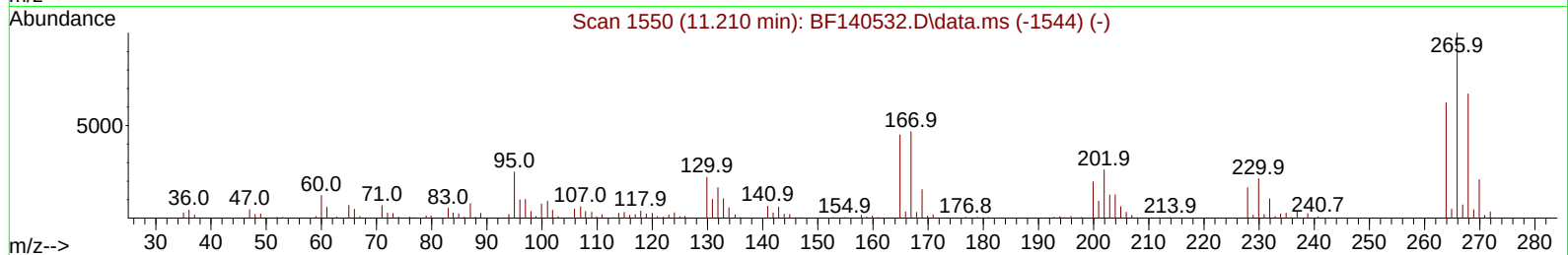
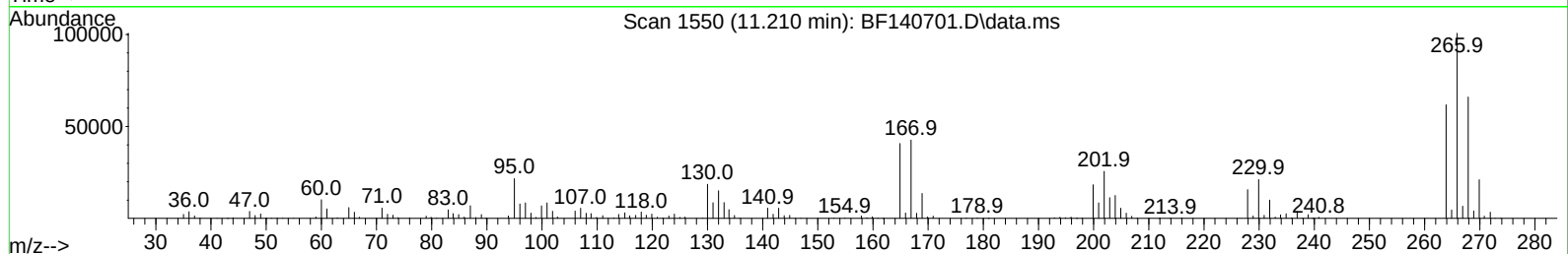
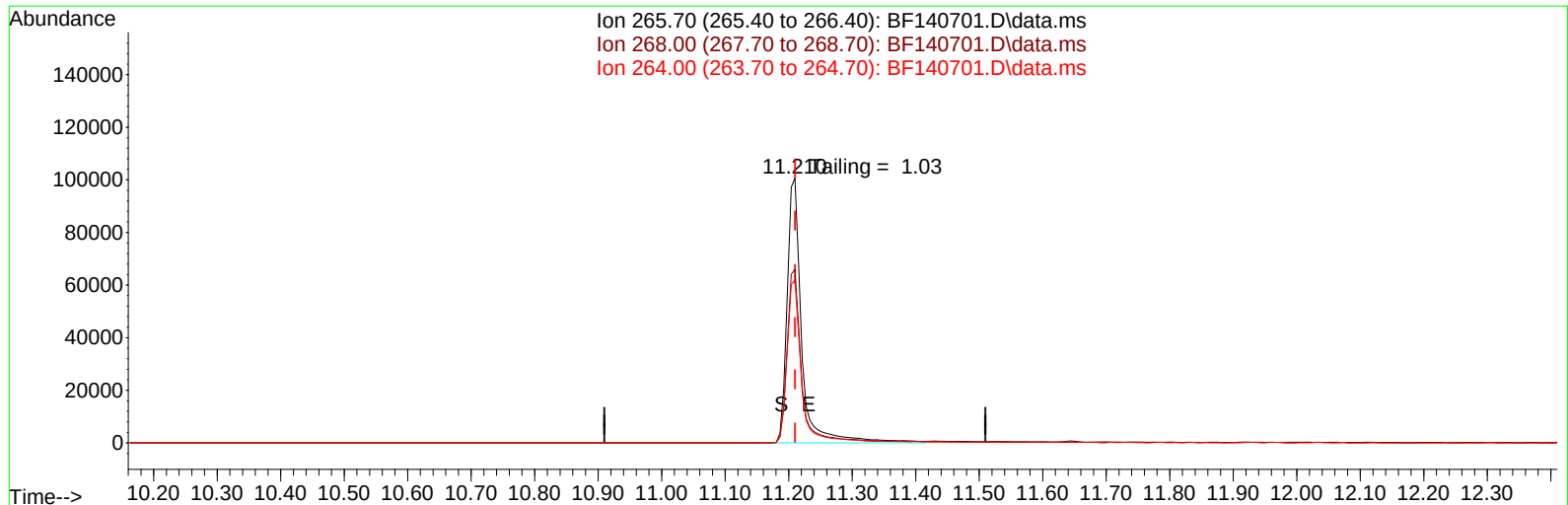
Instrument :  
BNA\_F  
ClientSampleId :  
DFTPP



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF120324\  
Data File : BF140701.D  
Acq On : 03 Dec 2024 10:24  
Operator : RC/JU  
Sample : DFTPP  
Misc :  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
DFTPP

Quant Time: Dec 03 12:35:37 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF112124.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Nov 21 15:23:48 2024  
Response via : Initial Calibration



TIC: BF140701.D\data.ms

**(70) Pentachlorophenol (C)**

**11.210min (-0.000) 13968.96 ng**

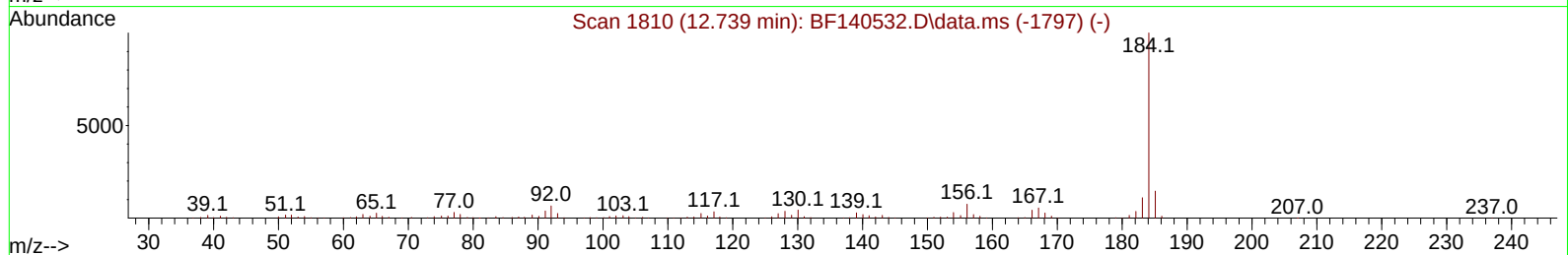
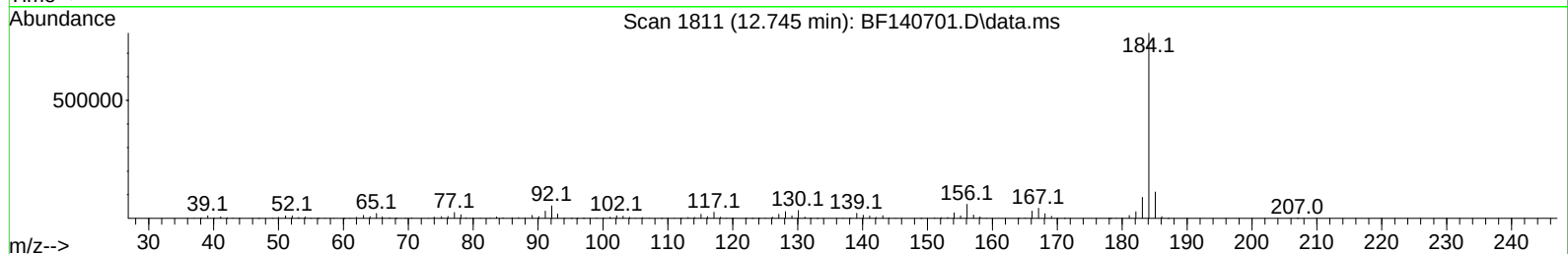
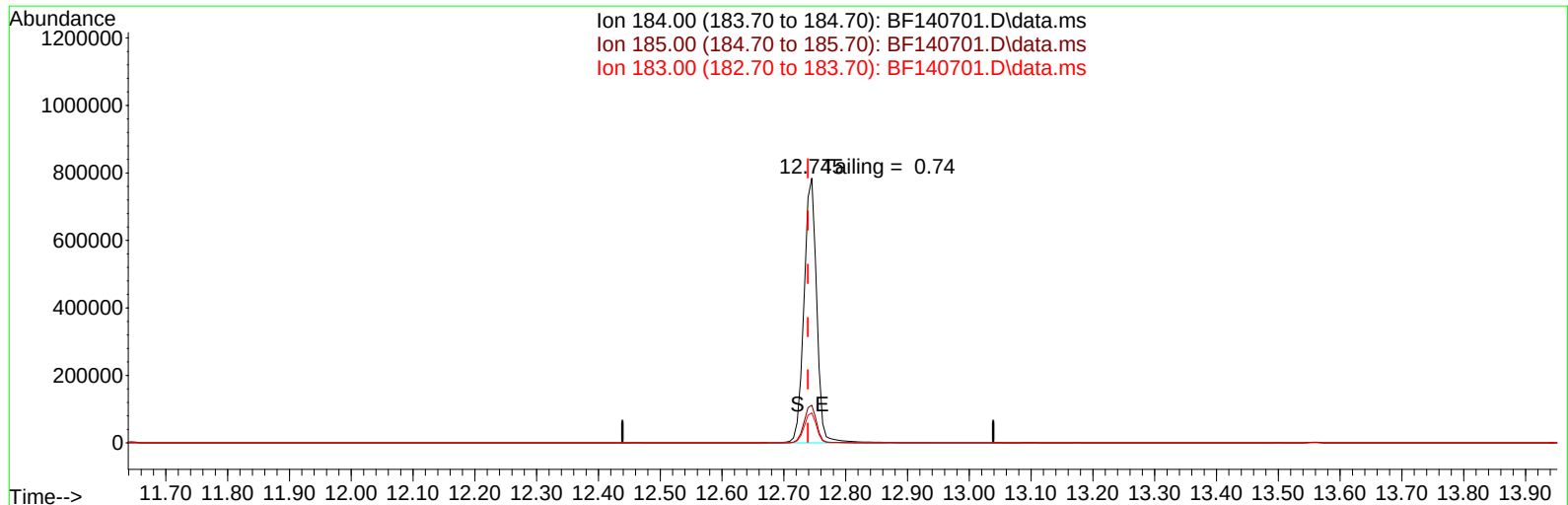
**response 162096**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 265.70 | 100.00 | 100.00 |
| 268.00 | 67.10  | 65.61  |
| 264.00 | 62.30  | 61.42  |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF120324\  
Data File : BF140701.D  
Acq On : 03 Dec 2024 10:24  
Operator : RC/JU  
Sample : DFTPP  
Misc :  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
DFTPP

Quant Time: Dec 03 12:35:37 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF112124.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Nov 21 15:23:48 2024  
Response via : Initial Calibration



TIC: BF140701.D\data.ms

**(77) Benzidine**

**12.745min (+ 0.006) 19954.27 ng**

**response 1120287**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 184.00 | 100.00 | 100.00 |
| 185.00 | 14.60  | 14.27  |
| 183.00 | 11.00  | 11.36  |
| 0.00   | 0.00   | 0.00   |

## Report of Analysis

|                    |                        |                 |                   |
|--------------------|------------------------|-----------------|-------------------|
| Client:            | LiRo Engineers, Inc.   | Date Collected: |                   |
| Project:           | RFK Bridge             | Date Received:  |                   |
| Client Sample ID:  | PB165296BL             | SDG No.:        | P5021             |
| Lab Sample ID:     | PB165296BL             | Matrix:         | Water             |
| Analytical Method: | SW8270                 | % Solid:        | 0                 |
| Sample Wt/Vol:     | 1000      Units:    mL | Final Vol:      | 1000      uL      |
| Soil Aliquot Vol:  | uL                     | Test:           | SVOCMS Group1     |
| Extraction Type :  | Decanted :    N        | Level :         | LOW               |
| Injection Volume : | GPC Factor :    1.0    | GPC Cleanup :   | N            PH : |
| Prep Method :      | SW3510C                |                 |                   |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BF140682.D        | 1         | 11/27/24 08:40 | 12/02/24 10:57 | PB165296      |

| CAS Number                | Parameter              | Conc.  | Qualifier | MDL      | LOQ / CRQL | Units    |
|---------------------------|------------------------|--------|-----------|----------|------------|----------|
| <b>TARGETS</b>            |                        |        |           |          |            |          |
| 208-96-8                  | Acenaphthylene         | 5.00   | U         | 1.00     | 5.00       | ug/L     |
| 83-32-9                   | Acenaphthene           | 5.00   | U         | 0.81     | 5.00       | ug/L     |
| 86-73-7                   | Fluorene               | 5.00   | U         | 0.96     | 5.00       | ug/L     |
| 85-01-8                   | Phenanthrene           | 5.00   | U         | 0.89     | 5.00       | ug/L     |
| 120-12-7                  | Anthracene             | 5.00   | U         | 1.10     | 5.00       | ug/L     |
| 206-44-0                  | Fluoranthene           | 5.00   | U         | 1.30     | 5.00       | ug/L     |
| 129-00-0                  | Pyrene                 | 5.00   | U         | 1.10     | 5.00       | ug/L     |
| 56-55-3                   | Benzo(a)anthracene     | 5.00   | U         | 0.94     | 5.00       | ug/L     |
| 218-01-9                  | Chrysene               | 5.00   | U         | 0.86     | 5.00       | ug/L     |
| 205-99-2                  | Benzo(b)fluoranthene   | 5.00   | U         | 1.10     | 5.00       | ug/L     |
| 207-08-9                  | Benzo(k)fluoranthene   | 5.00   | U         | 1.20     | 5.00       | ug/L     |
| 50-32-8                   | Benzo(a)pyrene         | 5.00   | U         | 1.70     | 5.00       | ug/L     |
| 193-39-5                  | Indeno(1,2,3-cd)pyrene | 5.00   | U         | 1.00     | 5.00       | ug/L     |
| 53-70-3                   | Dibenzo(a,h)anthracene | 5.00   | U         | 1.20     | 5.00       | ug/L     |
| 191-24-2                  | Benzo(g,h,i)perylene   | 5.00   | U         | 1.20     | 5.00       | ug/L     |
| <b>SURROGATES</b>         |                        |        |           |          |            |          |
| 4165-60-0                 | Nitrobenzene-d5        | 94.5   |           | 49 - 133 | 94%        | SPK: 100 |
| 321-60-8                  | 2-Fluorobiphenyl       | 96.0   |           | 52 - 132 | 96%        | SPK: 100 |
| 1718-51-0                 | Terphenyl-d14          | 94.7   |           | 48 - 125 | 95%        | SPK: 100 |
| <b>INTERNAL STANDARDS</b> |                        |        |           |          |            |          |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4 | 73200  | 6.869     |          |            |          |
| 1146-65-2                 | Naphthalene-d8         | 280000 | 8.151     |          |            |          |
| 15067-26-2                | Acenaphthene-d10       | 158000 | 9.904     |          |            |          |
| 1517-22-2                 | Phenanthrene-d10       | 308000 | 11.398    |          |            |          |
| 1719-03-5                 | Chrysene-d12           | 199000 | 14.068    |          |            |          |
| 1520-96-3                 | Perylene-d12           | 157000 | 15.598    |          |            |          |

## Report of Analysis

|                    |                        |                 |                              |
|--------------------|------------------------|-----------------|------------------------------|
| Client:            | LiRo Engineers, Inc.   | Date Collected: |                              |
| Project:           | RFK Bridge             | Date Received:  |                              |
| Client Sample ID:  | PB165296BL             | SDG No.:        | P5021                        |
| Lab Sample ID:     | PB165296BL             | Matrix:         | Water                        |
| Analytical Method: | SW8270                 | % Solid:        | 0                            |
| Sample Wt/Vol:     | 1000      Units:    mL | Final Vol:      | 1000                      uL |
| Soil Aliquot Vol:  | uL                     | Test:           | SVOCMS Group1                |
| Extraction Type :  | Decanted :      N      | Level :         | LOW                          |
| Injection Volume : | GPC Factor :    1.0    | GPC Cleanup :   | N                      PH :  |
| Prep Method :      | SW3510C                |                 |                              |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BF140682.D        | 1         | 11/27/24 08:40 | 12/02/24 10:57 | PB165296      |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|------------|-----------|-------|-----------|-----|------------|-------|
|------------|-----------|-------|-----------|-----|------------|-------|

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\BF120224\  
Data File : BF140682.D  
Acq On : 02 Dec 2024 10:57  
Operator : RC/JU  
Sample : PB165296BL  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
PB165296BL

Quant Time: Dec 02 11:18:31 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF112124.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Nov 21 15:23:48 2024  
Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-----------------------------|--------|------|----------|---------|-------|----------|
| -----                       |        |      |          |         |       |          |
| Internal Standards          |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 6.869  | 152  | 73230    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.151  | 136  | 279727   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 9.904  | 164  | 158263   | 20.000  | ng    | -0.01    |
| 64) Phenanthrene-d10        | 11.398 | 188  | 307927   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12            | 14.068 | 240  | 198812   | 20.000  | ng    | 0.02     |
| 86) Perylene-d12            | 15.598 | 264  | 157266   | 20.000  | ng    | 0.06     |
|                             |        |      |          |         |       |          |
| System Monitoring Compounds |        |      |          |         |       |          |
| 5) 2-Fluorophenol           | 5.510  | 112  | 624934   | 145.605 | ng    | 0.01     |
| 7) Phenol-d6                | 6.510  | 99   | 801347   | 141.229 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.434  | 82   | 516728   | 94.488  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.704 | 330  | 230564   | 136.216 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.222  | 172  | 1020212  | 96.046  | ng    | -0.01    |
| 79) Terphenyl-d14           | 12.986 | 244  | 1209487  | 94.729  | ng    | 0.00     |

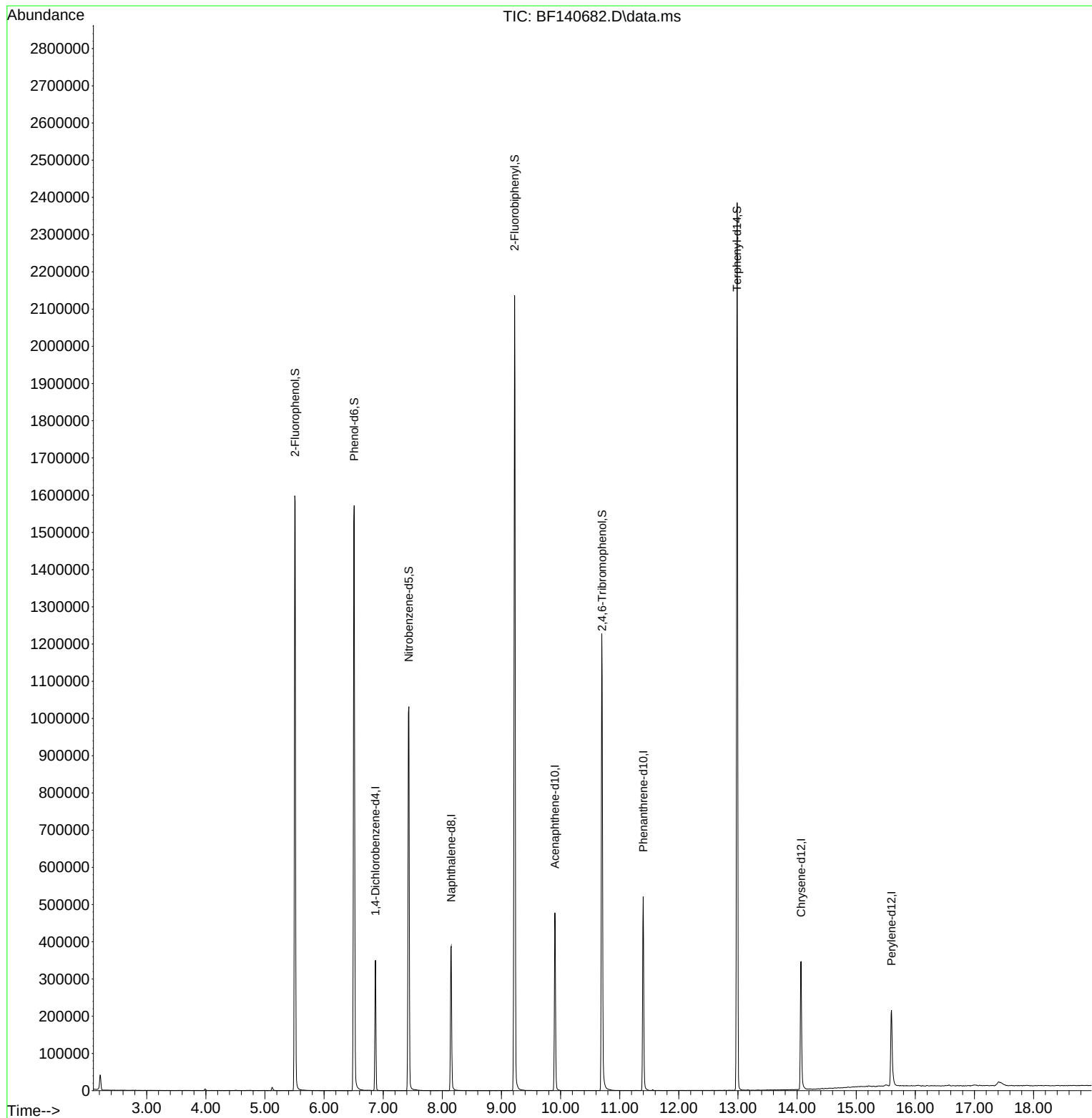
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

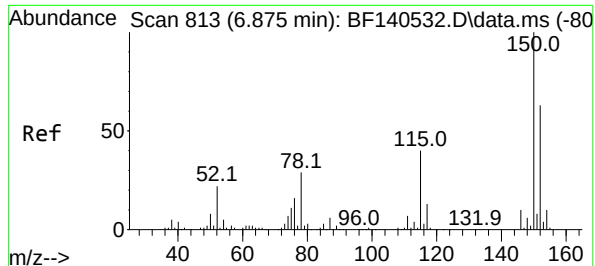
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF120224\  
Data File : BF140682.D  
Acq On : 02 Dec 2024 10:57  
Operator : RC/JU  
Sample : PB165296BL  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
PB165296BL

Quant Time: Dec 02 11:18:31 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF112124.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Nov 21 15:23:48 2024  
Response via : Initial Calibration

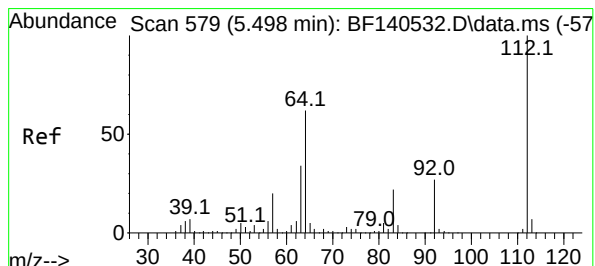
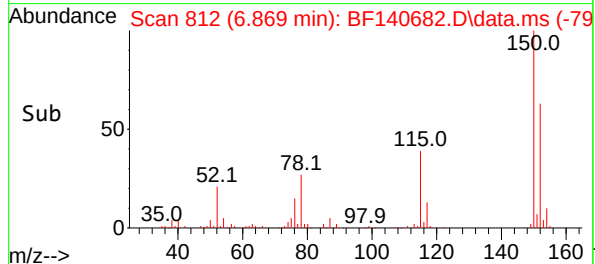
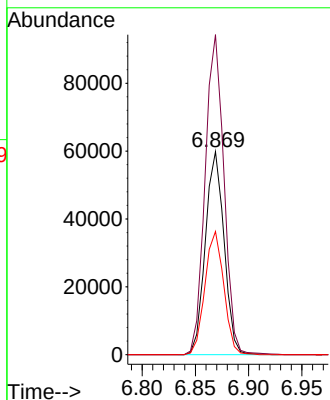
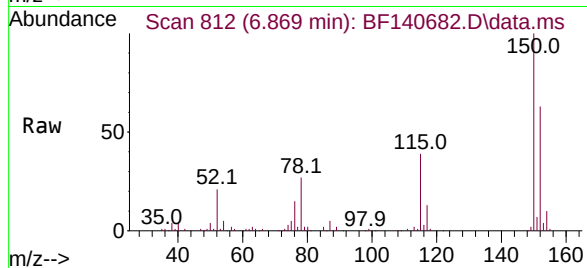




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.869 min Scan# 81  
Delta R.T. -0.006 min  
Lab File: BF140682.D  
Acq: 02 Dec 2024 10:57

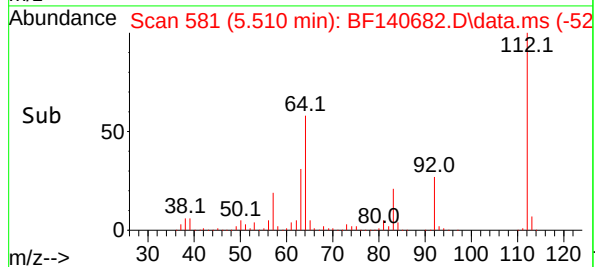
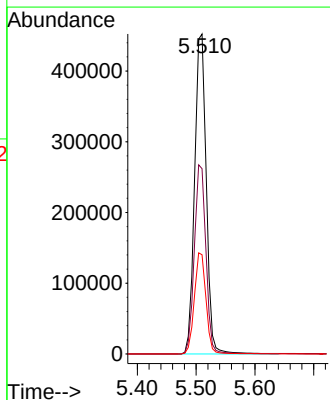
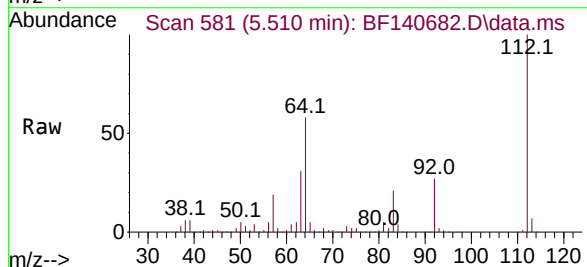
Instrument :  
BNA\_F  
ClientSampleId :  
PB165296BL

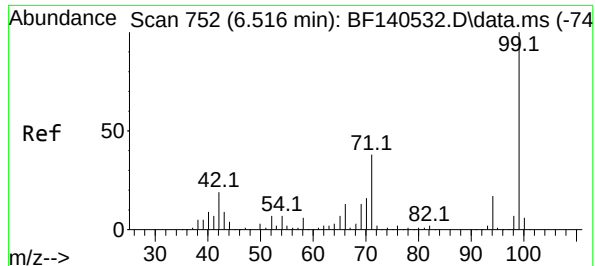
Tgt Ion:152 Resp: 73230  
Ion Ratio Lower Upper  
152 100  
150 157.5 128.5 192.7  
115 60.7 50.2 75.4



#5  
2-Fluorophenol  
Concen: 145.605 ng  
RT: 5.510 min Scan# 581  
Delta R.T. 0.012 min  
Lab File: BF140682.D  
Acq: 02 Dec 2024 10:57

Tgt Ion:112 Resp: 624934  
Ion Ratio Lower Upper  
112 100  
64 57.9 49.2 73.8  
63 31.0 27.0 40.4

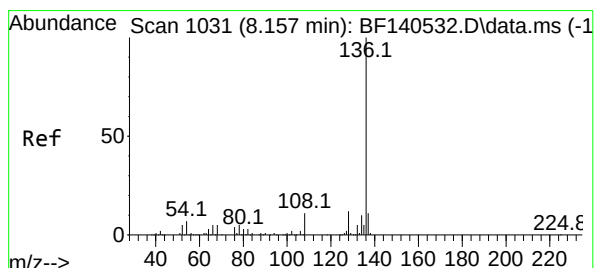
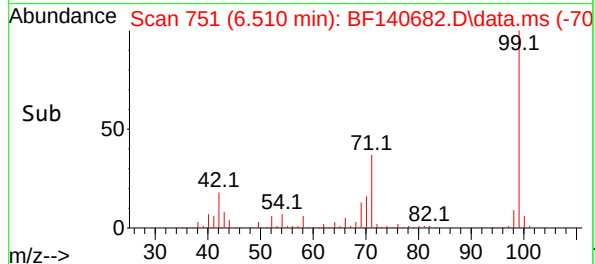
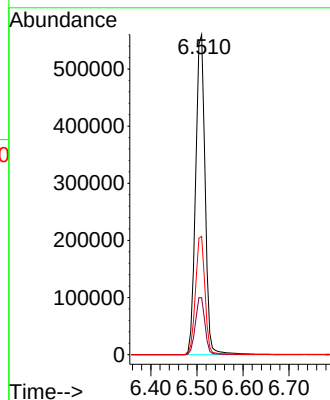
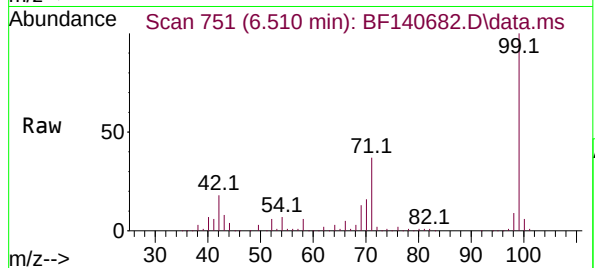




#7  
Phenol-d6  
Concen: 141.229 ng  
RT: 6.510 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: BF140682.D  
Acq: 02 Dec 2024 10:57

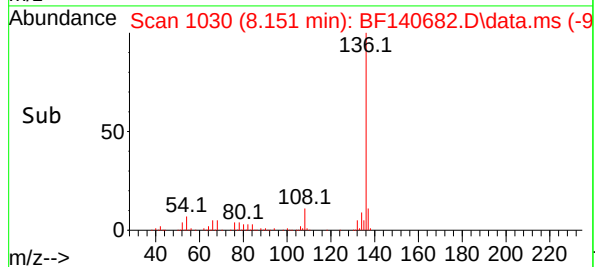
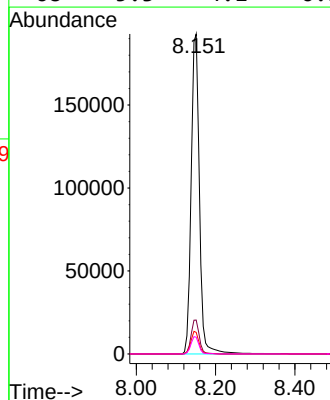
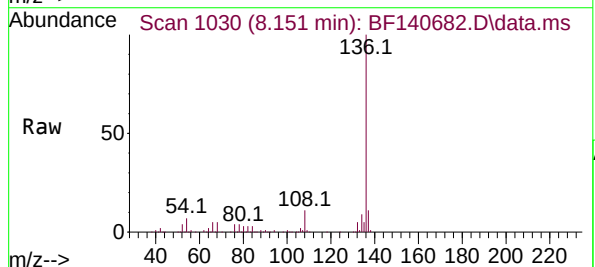
Instrument :  
BNA\_F  
ClientSampleId :  
PB165296BL

Tgt Ion: 99 Resp: 801347  
Ion Ratio Lower Upper  
99 100  
42 17.8 15.4 23.0  
71 37.0 30.6 46.0

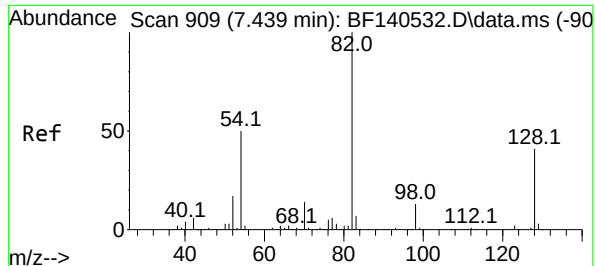


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.151 min Scan# 1030  
Delta R.T. -0.006 min  
Lab File: BF140682.D  
Acq: 02 Dec 2024 10:57

Tgt Ion: 136 Resp: 279727  
Ion Ratio Lower Upper  
136 100  
137 10.6 8.6 13.0  
54 6.8 5.8 8.8  
68 5.3 4.1 6.1







#23

Nitrobenzene-d5

Concen: 94.488 ng

RT: 7.434 min Scan# 909

Delta R.T. -0.006 min

Lab File: BF140682.D

Acq: 02 Dec 2024 10:57

Instrument :

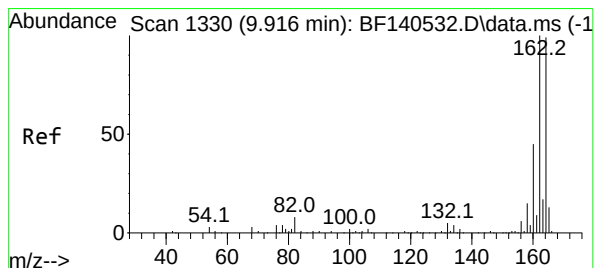
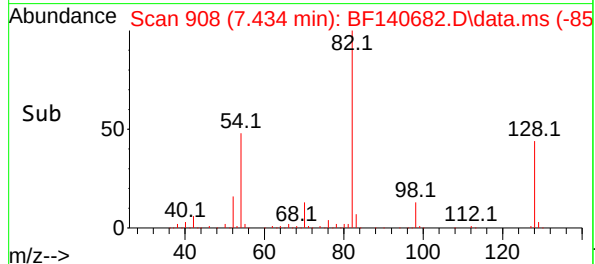
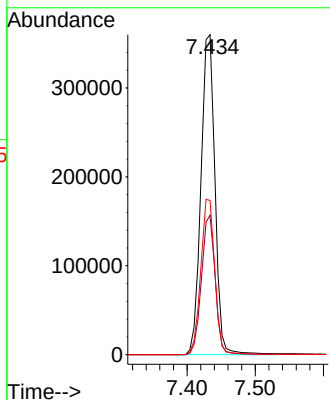
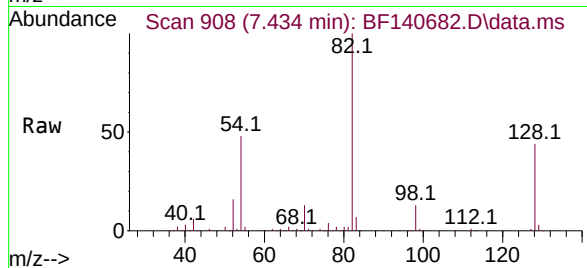
BNA\_F

ClientSampleId :

PB165296BL

Tgt Ion: 82 Resp: 516728

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 43.6  | 33.0  | 49.4  |
| 54  | 48.2  | 39.5  | 59.3  |



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.904 min Scan# 1328

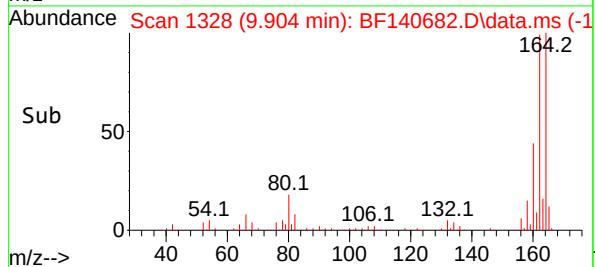
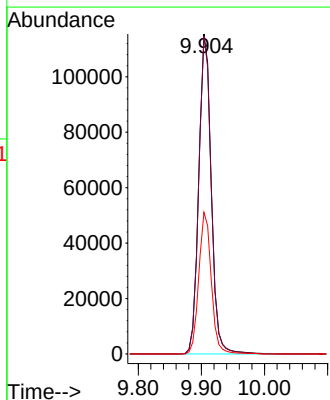
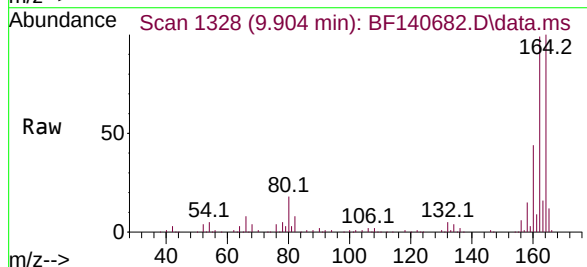
Delta R.T. -0.012 min

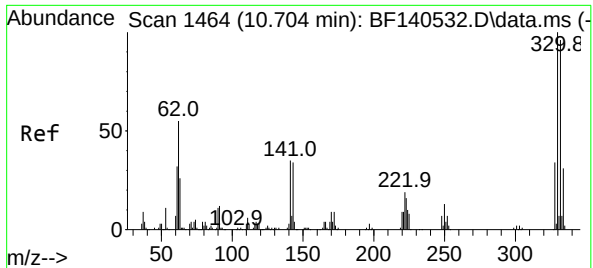
Lab File: BF140682.D

Acq: 02 Dec 2024 10:57

Tgt Ion: 164 Resp: 158263

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 162 | 99.3  | 80.6  | 120.8 |
| 160 | 44.3  | 36.2  | 54.4  |





#42

2,4,6-Tribromophenol

Concen: 136.216 ng

RT: 10.704 min Scan# 1464

Delta R.T. -0.000 min

Lab File: BF140682.D

Acq: 02 Dec 2024 10:57

Instrument :

BNA\_F

ClientSampleId :

PB165296BL

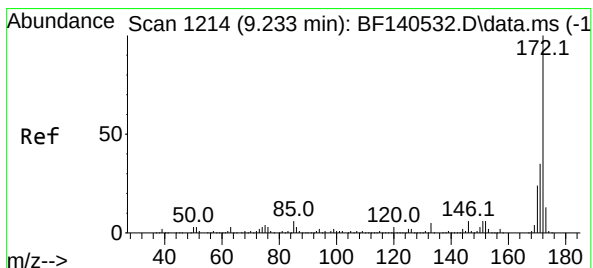
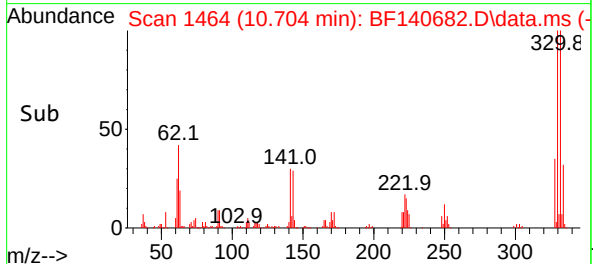
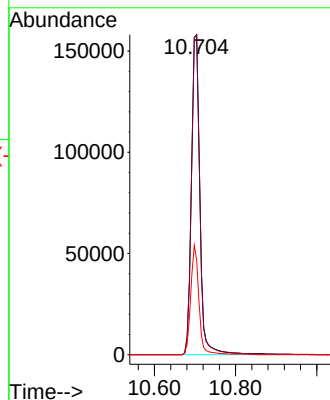
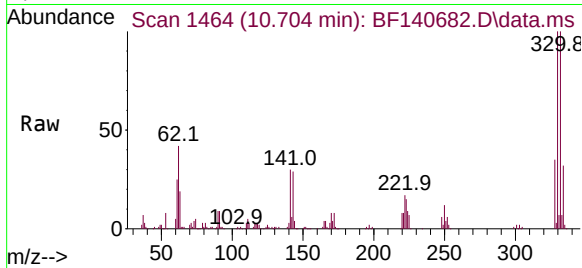
Tgt Ion:330 Resp: 230564

Ion Ratio Lower Upper

330 100

332 98.0 76.9 115.3

141 33.0 26.7 40.1



#45

2-Fluorobiphenyl

Concen: 96.046 ng

RT: 9.222 min Scan# 1212

Delta R.T. -0.012 min

Lab File: BF140682.D

Acq: 02 Dec 2024 10:57

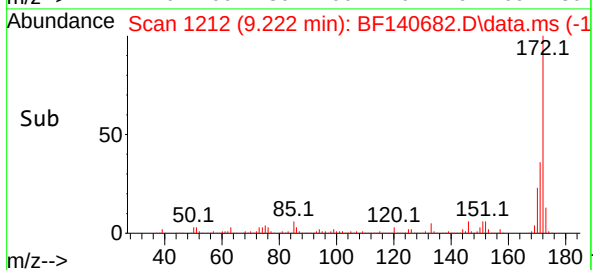
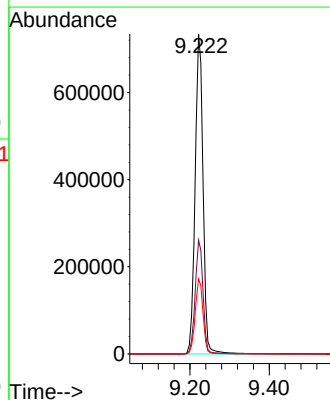
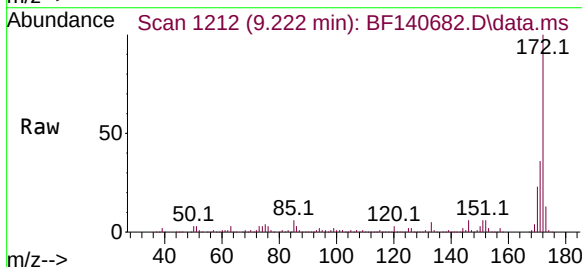
Tgt Ion:172 Resp: 1020212

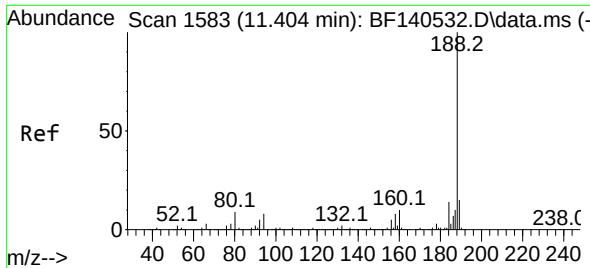
Ion Ratio Lower Upper

172 100

171 35.5 28.4 42.6

170 23.4 19.0 28.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.398 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF140682.D

Acq: 02 Dec 2024 10:57

Instrument :

BNA\_F

ClientSampleId :

PB165296BL

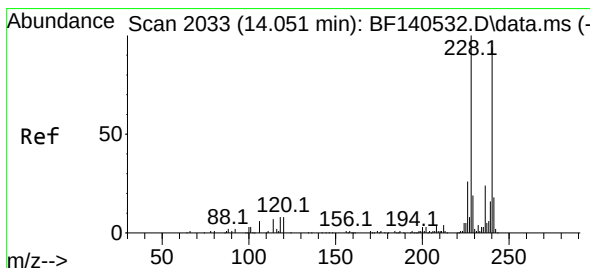
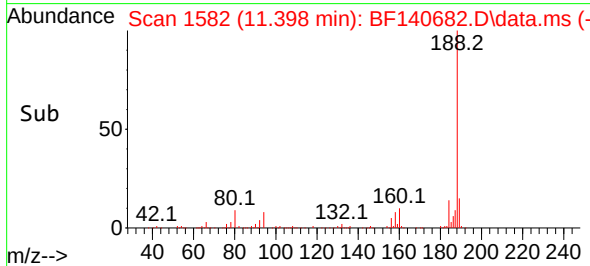
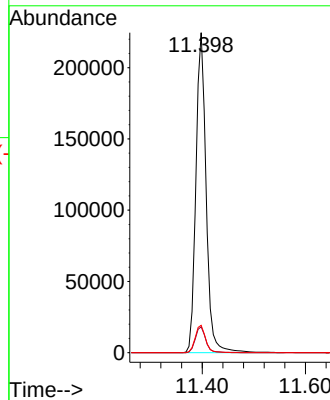
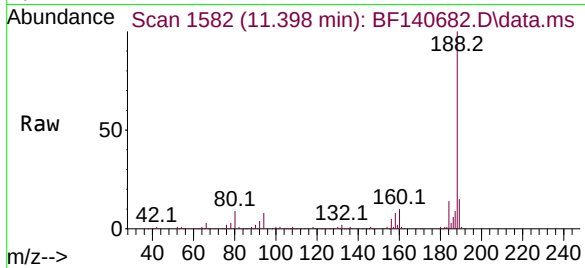
Tgt Ion:188 Resp: 307927

Ion Ratio Lower Upper

188 100

94 8.1 6.4 9.6

80 8.5 6.9 10.3



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.068 min Scan# 2036

Delta R.T. 0.018 min

Lab File: BF140682.D

Acq: 02 Dec 2024 10:57

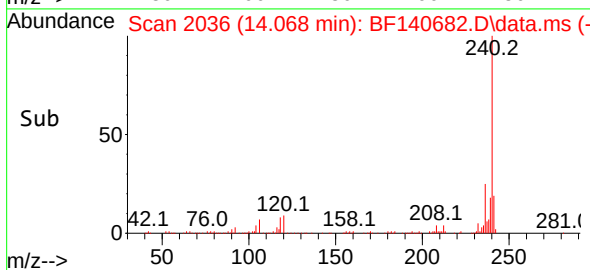
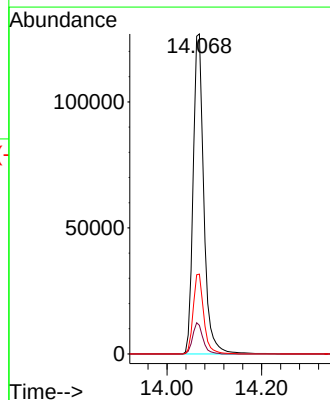
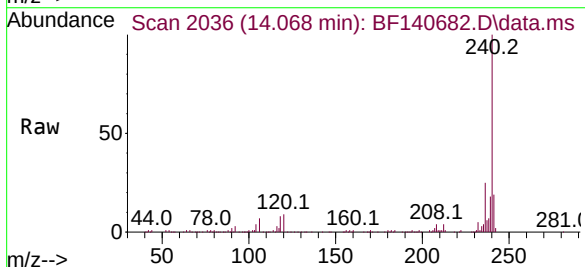
Tgt Ion:240 Resp: 198812

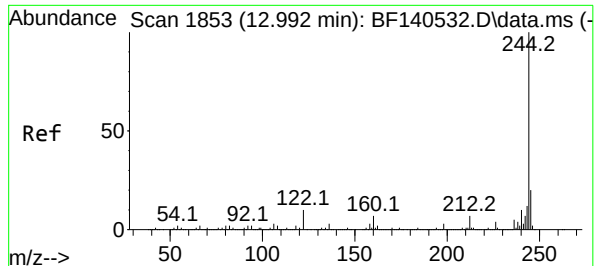
Ion Ratio Lower Upper

240 100

120 9.0 7.3 10.9

236 24.9 20.6 31.0





#79

Terphenyl-d14

Concen: 94.729 ng

RT: 12.986 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF140682.D

Acq: 02 Dec 2024 10:57

Instrument :

BNA\_F

ClientSampleId :

PB165296BL

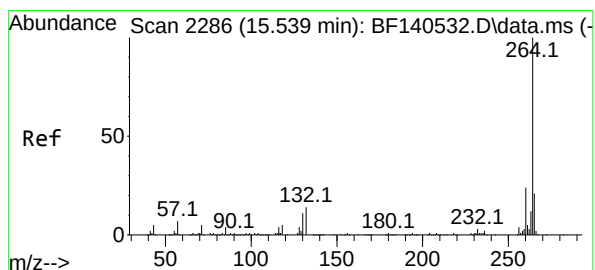
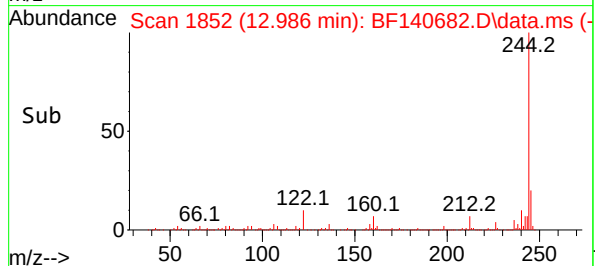
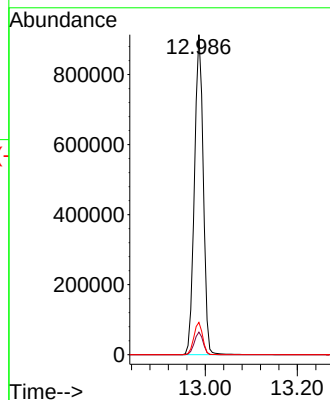
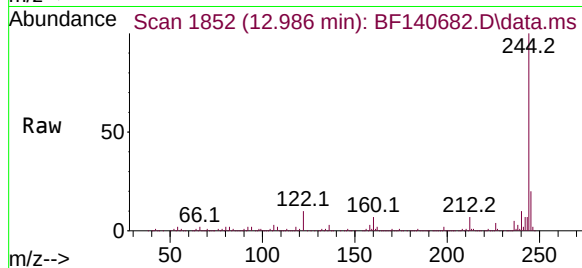
Tgt Ion:244 Resp: 1209487

Ion Ratio Lower Upper

244 100

212 7.0 5.8 8.8

122 10.1 8.0 12.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.598 min Scan# 2296

Delta R.T. 0.059 min

Lab File: BF140682.D

Acq: 02 Dec 2024 10:57

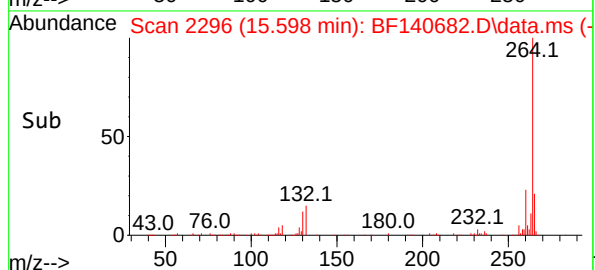
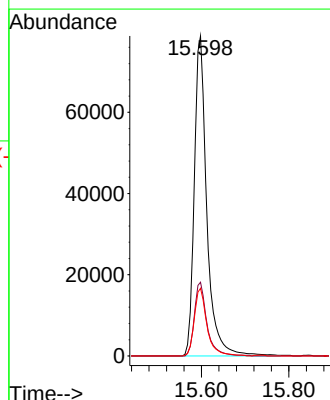
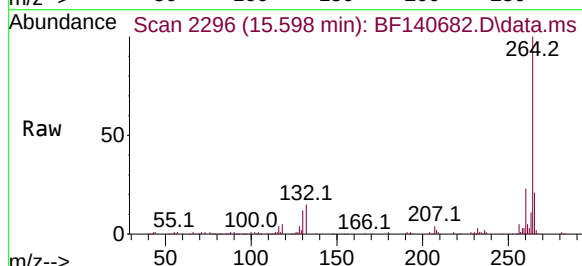
Tgt Ion:264 Resp: 157266

Ion Ratio Lower Upper

264 100

260 23.0 19.0 28.6

265 21.1 16.6 25.0



## Report of Analysis

|                    |                        |                 |                   |
|--------------------|------------------------|-----------------|-------------------|
| Client:            | LiRo Engineers, Inc.   | Date Collected: |                   |
| Project:           | RFK Bridge             | Date Received:  |                   |
| Client Sample ID:  | PB165296BS             | SDG No.:        | P5021             |
| Lab Sample ID:     | PB165296BS             | Matrix:         | Water             |
| Analytical Method: | SW8270                 | % Solid:        | 0                 |
| Sample Wt/Vol:     | 1000      Units:    mL | Final Vol:      | 1000      uL      |
| Soil Aliquot Vol:  | uL                     | Test:           | SVOCMS Group1     |
| Extraction Type :  | Decanted :    N        | Level :         | LOW               |
| Injection Volume : | GPC Factor :    1.0    | GPC Cleanup :   | N            PH : |
| Prep Method :      | SW3510C                |                 |                   |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BF140683.D        | 1         | 11/27/24 08:40 | 12/02/24 11:23 | PB165296      |

| CAS Number                | Parameter              | Conc.  | Qualifier | MDL      | LOQ / CRQL | Units    |
|---------------------------|------------------------|--------|-----------|----------|------------|----------|
| <b>TARGETS</b>            |                        |        |           |          |            |          |
| 208-96-8                  | Acenaphthylene         | 49.7   |           | 1.00     | 5.00       | ug/L     |
| 83-32-9                   | Acenaphthene           | 47.6   |           | 0.81     | 5.00       | ug/L     |
| 86-73-7                   | Fluorene               | 47.3   |           | 0.96     | 5.00       | ug/L     |
| 85-01-8                   | Phenanthrene           | 47.6   |           | 0.89     | 5.00       | ug/L     |
| 120-12-7                  | Anthracene             | 49.7   |           | 1.10     | 5.00       | ug/L     |
| 206-44-0                  | Fluoranthene           | 50.5   |           | 1.30     | 5.00       | ug/L     |
| 129-00-0                  | Pyrene                 | 46.0   |           | 1.10     | 5.00       | ug/L     |
| 56-55-3                   | Benzo(a)anthracene     | 48.2   |           | 0.94     | 5.00       | ug/L     |
| 218-01-9                  | Chrysene               | 48.5   |           | 0.86     | 5.00       | ug/L     |
| 205-99-2                  | Benzo(b)fluoranthene   | 47.2   |           | 1.10     | 5.00       | ug/L     |
| 207-08-9                  | Benzo(k)fluoranthene   | 48.9   |           | 1.20     | 5.00       | ug/L     |
| 50-32-8                   | Benzo(a)pyrene         | 52.4   |           | 1.70     | 5.00       | ug/L     |
| 193-39-5                  | Indeno(1,2,3-cd)pyrene | 47.6   |           | 1.00     | 5.00       | ug/L     |
| 53-70-3                   | Dibenzo(a,h)anthracene | 47.4   |           | 1.20     | 5.00       | ug/L     |
| 191-24-2                  | Benzo(g,h,i)perylene   | 43.9   |           | 1.20     | 5.00       | ug/L     |
| <b>SURROGATES</b>         |                        |        |           |          |            |          |
| 4165-60-0                 | Nitrobenzene-d5        | 86.7   |           | 49 - 133 | 87%        | SPK: 100 |
| 321-60-8                  | 2-Fluorobiphenyl       | 87.6   |           | 52 - 132 | 88%        | SPK: 100 |
| 1718-51-0                 | Terphenyl-d14          | 87.5   |           | 48 - 125 | 87%        | SPK: 100 |
| <b>INTERNAL STANDARDS</b> |                        |        |           |          |            |          |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4 | 84100  | 6.869     |          |            |          |
| 1146-65-2                 | Naphthalene-d8         | 324000 | 8.151     |          |            |          |
| 15067-26-2                | Acenaphthene-d10       | 181000 | 9.91      |          |            |          |
| 1517-22-2                 | Phenanthrene-d10       | 352000 | 11.398    |          |            |          |
| 1719-03-5                 | Chrysene-d12           | 226000 | 14.063    |          |            |          |
| 1520-96-3                 | Perylene-d12           | 183000 | 15.58     |          |            |          |

### Report of Analysis

|                    |                        |                 |                      |
|--------------------|------------------------|-----------------|----------------------|
| Client:            | LiRo Engineers, Inc.   | Date Collected: |                      |
| Project:           | RFK Bridge             | Date Received:  |                      |
| Client Sample ID:  | PB165296BS             | SDG No.:        | P5021                |
| Lab Sample ID:     | PB165296BS             | Matrix:         | Water                |
| Analytical Method: | SW8270                 | % Solid:        | 0                    |
| Sample Wt/Vol:     | 1000      Units:    mL | Final Vol:      | 1000              uL |
| Soil Aliquot Vol:  | uL                     | Test:           | SVOCMS Group1        |
| Extraction Type :  | Decanted :      N      | Level :         | LOW                  |
| Injection Volume : | GPC Factor :    1.0    | GPC Cleanup :   | N              PH :  |
| Prep Method :      | SW3510C                |                 |                      |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BF140683.D        | 1         | 11/27/24 08:40 | 12/02/24 11:23 | PB165296      |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|------------|-----------|-------|-----------|-----|------------|-------|
|------------|-----------|-------|-----------|-----|------------|-------|

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\BF120224\  
 Data File : BF140683.D  
 Acq On : 02 Dec 2024 11:23  
 Operator : RC/JU  
 Sample : PB165296BS  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

## Instrument :

BNA\_F

## ClientSampleId :

PB165296BS

## Manual Integrations

## APPROVED

Reviewed By :Yogesh Patel 12/03/2024

Supervised By :mohammad ahmed 12/05/2024

Quant Time: Dec 02 11:48:00 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF112124.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Thu Nov 21 15:23:48 2024

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.869  | 152  | 84060    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.151  | 136  | 323501   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.910  | 164  | 181370   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.398 | 188  | 351850   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.063 | 240  | 225717   | 20.000  | ng    | 0.01     |
| 86) Perylene-d12              | 15.580 | 264  | 182835   | 20.000  | ng    | 0.04     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.510  | 112  | 636662   | 129.227 | ng    | 0.01     |
| 7) Phenol-d6                  | 6.516  | 99   | 841109   | 129.139 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.434  | 82   | 548153   | 86.671  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.704 | 330  | 260220   | 134.150 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.228  | 172  | 1065831  | 87.557  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.986 | 244  | 1268336  | 87.497  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.740  | 88   | 85394    | 41.225  | ng    | 98       |
| 3) Pyridine                   | 3.504  | 79   | 206641   | 45.340  | ng    | 98       |
| 4) n-Nitrosodimethylamine     | 3.457  | 42   | 117073   | 43.706  | ng    | 94       |
| 6) Aniline                    | 6.534  | 93   | 205213   | 44.764  | ng    | # 77     |
| 8) 2-Chlorophenol             | 6.663  | 128  | 261176   | 49.275  | ng    | 95       |
| 9) Benzaldehyde               | 6.422  | 77   | 101418   | 29.414  | ng    | 99       |
| 10) Phenol                    | 6.528  | 94   | 321437   | 48.324  | ng    | 100      |
| 11) bis(2-Chloroethyl)ether   | 6.604  | 93   | 239740   | 47.100  | ng    | 100      |
| 12) 1,3-Dichlorobenzene       | 6.810  | 146  | 268958   | 45.159  | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 6.887  | 146  | 276129   | 45.789  | ng    | 100      |
| 14) 1,2-Dichlorobenzene       | 7.039  | 146  | 264067   | 46.731  | ng    | 99       |
| 15) Benzyl Alcohol            | 7.016  | 79   | 238782   | 49.436  | ng    | 97       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.139  | 45   | 291227   | 48.431  | ng    | 88       |
| 17) 2-Methylphenol            | 7.128  | 107  | 203823   | 48.038  | ng    | 98       |
| 18) Hexachloroethane          | 7.381  | 117  | 101338   | 44.993  | ng    | 99       |
| 19) n-Nitroso-di-n-propyla... | 7.281  | 70   | 183293   | 47.617  | ng    | 97       |
| 20) 3+4-Methylphenols         | 7.281  | 107  | 268055   | 49.152  | ng    | 95       |
| 22) Acetophenone              | 7.281  | 105  | 350806   | 44.480  | ng    | 98       |
| 24) Nitrobenzene              | 7.457  | 77   | 285214   | 43.633  | ng    | 97       |
| 25) Isophorone                | 7.692  | 82   | 497047   | 47.119  | ng    | 99       |
| 26) 2-Nitrophenol             | 7.769  | 139  | 137930   | 47.616  | ng    | 97       |
| 27) 2,4-Dimethylphenol        | 7.804  | 122  | 208836m  | 60.255  | ng    |          |
| 28) bis(2-Chloroethoxy)met... | 7.898  | 93   | 298179   | 46.399  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 8.016  | 162  | 221065   | 48.136  | ng    | 98       |
| 30) 1,2,4-Trichlorobenzene    | 8.092  | 180  | 231287   | 44.108  | ng    | 99       |
| 31) Naphthalene               | 8.175  | 128  | 761156   | 45.679  | ng    | 99       |
| 32) Benzoic acid              | 7.945  | 122  | 112150   | 38.805  | ng    | 97       |
| 33) 4-Chloroaniline           | 8.222  | 127  | 134593   | 26.978  | ng    | 100      |
| 34) Hexachlorobutadiene       | 8.286  | 225  | 152624   | 43.944  | ng    | 99       |
| 35) Caprolactam               | 8.598  | 113  | 68771m   | 48.388  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 8.716  | 107  | 245034   | 47.654  | ng    | 98       |
| 37) 2-Methylnaphthalene       | 8.863  | 142  | 503409   | 47.564  | ng    | 100      |
| 38) 1-Methylnaphthalene       | 8.963  | 142  | 466456   | 44.963  | ng    | 100      |
| 40) 1,2,4,5-Tetrachloroben... | 9.033  | 216  | 244163   | 45.985  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 9.016  | 237  | 194939   | 155.740 | ng    | 97       |
| 43) 2,4,6-Trichlorophenol     | 9.151  | 196  | 155451   | 46.658  | ng    | 99       |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF120224\  
 Data File : BF140683.D  
 Acq On : 02 Dec 2024 11:23  
 Operator : RC/JU  
 Sample : PB165296BS  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB165296BS

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 12/03/2024  
 Supervised By :mohammad ahmed 12/05/2024

Quant Time: Dec 02 11:48:00 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF112124.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Nov 21 15:23:48 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.192  | 196  | 164672   | 45.541 | ng    | 98       |
| 46) 1,1'-Biphenyl             | 9.328  | 154  | 634327   | 46.844 | ng    | 100      |
| 47) 2-Chloronaphthalene       | 9.357  | 162  | 475486   | 46.341 | ng    | 98       |
| 48) 2-Nitroaniline            | 9.457  | 65   | 155098   | 47.093 | ng    | 95       |
| 49) Acenaphthylene            | 9.769  | 152  | 770537   | 49.703 | ng    | 99       |
| 50) Dimethylphthalate         | 9.628  | 163  | 568671   | 47.608 | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 9.698  | 165  | 122044   | 45.051 | ng    | 94       |
| 52) Acenaphthene              | 9.945  | 154  | 469075   | 47.620 | ng    | 100      |
| 53) 3-Nitroaniline            | 9.869  | 138  | 77288    | 29.170 | ng    | 96       |
| 54) 2,4-Dinitrophenol         | 9.986  | 184  | 111661   | 79.626 | ng    | 95       |
| 55) Dibenzofuran              | 10.116 | 168  | 712544   | 47.424 | ng    | 100      |
| 56) 4-Nitrophenol             | 10.045 | 139  | 161998   | 89.650 | ng    | 95       |
| 57) 2,4-Dinitrotoluene        | 10.104 | 165  | 173587   | 48.213 | ng    | 97       |
| 58) Fluorene                  | 10.457 | 166  | 570177   | 47.278 | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.239 | 232  | 142991   | 51.455 | ng    | 93       |
| 60) Diethylphthalate          | 10.327 | 149  | 580252   | 47.811 | ng    | 100      |
| 61) 4-Chlorophenyl-phenyle... | 10.445 | 204  | 276657   | 46.744 | ng    | 99       |
| 62) 4-Nitroaniline            | 10.486 | 138  | 131072   | 47.167 | ng    | 95       |
| 63) Azobenzene                | 10.610 | 77   | 543798   | 47.316 | ng    | 98       |
| 65) 4,6-Dinitro-2-methylph... | 10.516 | 198  | 87923    | 48.901 | ng    | 98       |
| 66) n-Nitrosodiphenylamine    | 10.569 | 169  | 490603   | 47.150 | ng    | 100      |
| 67) 4-Bromophenyl-phenylether | 10.939 | 248  | 165858   | 45.773 | ng    | 97       |
| 68) Hexachlorobenzene         | 11.010 | 284  | 194592   | 46.379 | ng    | 99       |
| 69) Atrazine                  | 11.098 | 200  | 164709   | 56.269 | ng    | 99       |
| 70) Pentachlorophenol         | 11.210 | 266  | 159519   | 86.384 | ng    | 99       |
| 71) Phenanthrene              | 11.427 | 178  | 805195   | 47.608 | ng    | 99       |
| 72) Anthracene                | 11.480 | 178  | 822267   | 49.701 | ng    | 100      |
| 73) Carbazole                 | 11.633 | 167  | 769341   | 48.339 | ng    | 99       |
| 74) Di-n-butylphthalate       | 11.951 | 149  | 892443   | 48.570 | ng    | 100      |
| 75) Fluoranthene              | 12.616 | 202  | 927623   | 50.515 | ng    | 99       |
| 77) Benzidine                 | 12.739 | 184  | 200804   | 30.598 | ng    | 99       |
| 78) Pyrene                    | 12.845 | 202  | 961001   | 46.046 | ng    | 99       |
| 80) Butylbenzylphthalate      | 13.457 | 149  | 353715   | 47.047 | ng    | 98       |
| 81) Benzo(a)anthracene        | 14.051 | 228  | 719595   | 48.161 | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine    | 14.010 | 252  | 121565   | 27.099 | ng    | 98       |
| 83) Chrysene                  | 14.092 | 228  | 662894   | 48.520 | ng    | 100      |
| 84) Bis(2-ethylhexyl)phtha... | 14.027 | 149  | 467704   | 49.266 | ng    | 99       |
| 85) Di-n-octyl phthalate      | 14.668 | 149  | 675525   | 52.067 | ng    | 97       |
| 87) Indeno(1,2,3-cd)pyrene    | 17.104 | 276  | 566967   | 47.584 | ng    | 97       |
| 88) Benzo(b)fluoranthene      | 15.145 | 252  | 542277   | 47.220 | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 15.174 | 252  | 491611   | 48.918 | ng    | 100      |
| 90) Benzo(a)pyrene            | 15.521 | 252  | 488885   | 52.357 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 17.115 | 278  | 462916   | 47.439 | ng    | 100      |
| 92) Benzo(g,h,i)perylene      | 17.556 | 276  | 436948   | 43.881 | ng    | 98       |

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



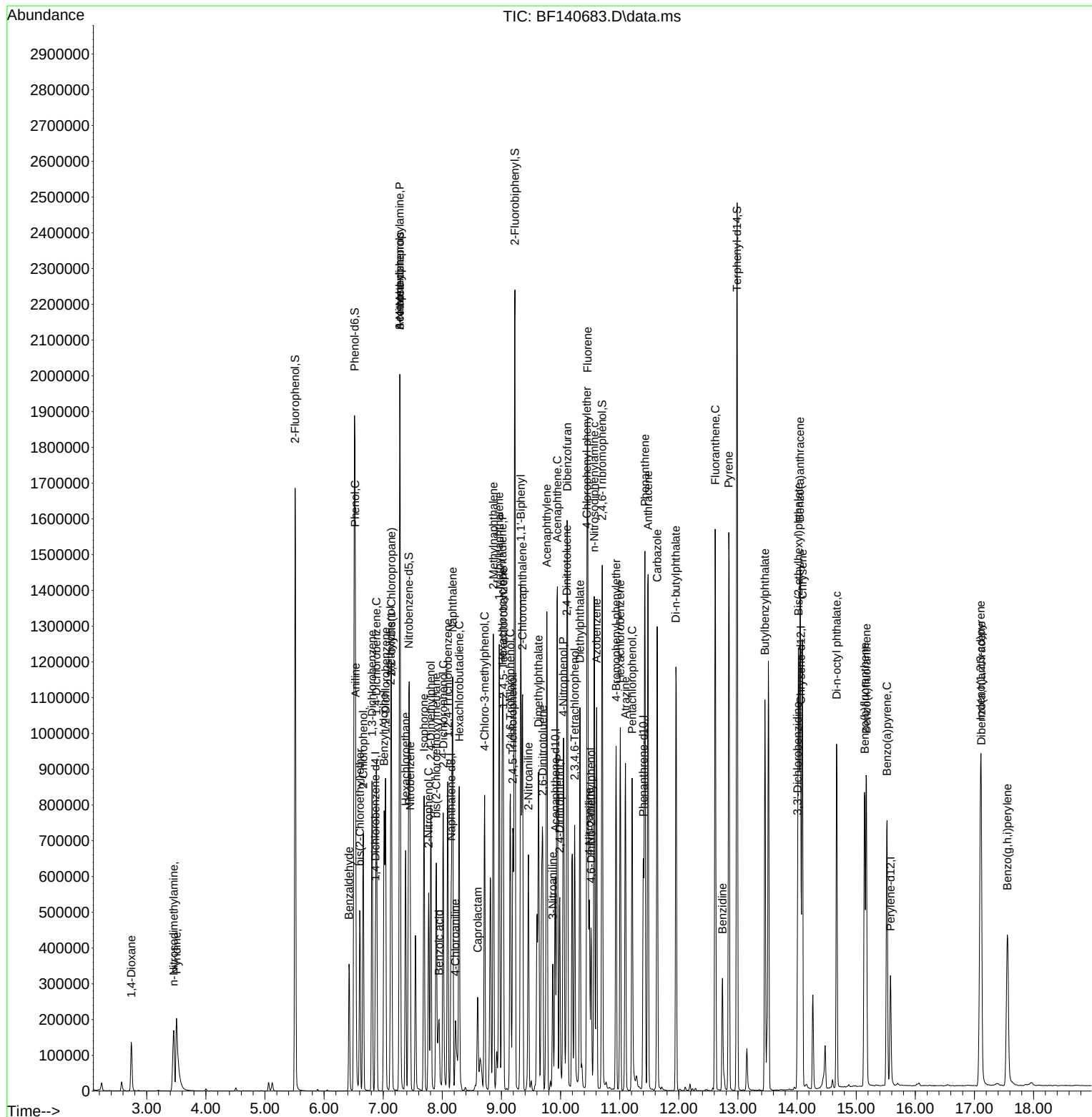
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Data File : BF140683.D  
Acq On : 02 Dec 2024 11:23  
Operator : RC/JU  
Sample : PB165296BS  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

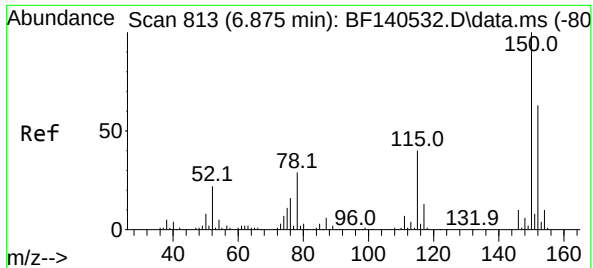
**Instrument :**  
BNA\_F  
**ClientSampleId :**  
PB165296BS

## Manual Integrations

Reviewed By :Yogesh Patel 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024

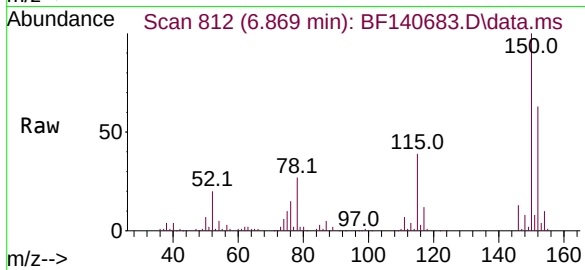
Quant Time: Dec 02 11:48:00 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF112124.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Nov 21 15:23:48 2024  
Response via : Initial Calibration





#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.869 min Scan# 81  
Delta R.T. -0.006 min  
Lab File: BF140683.D  
Acq: 02 Dec 2024 11:23

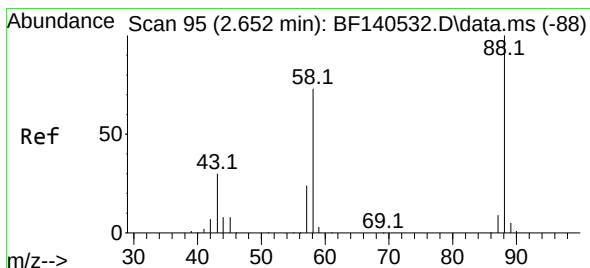
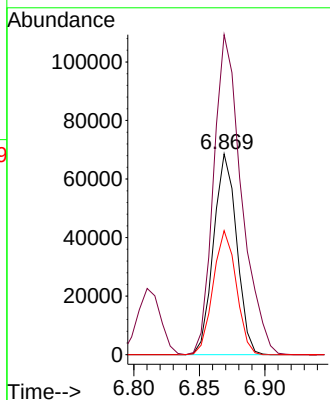
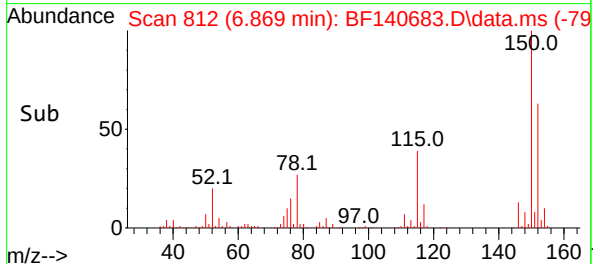
Instrument :  
BNA\_F  
ClientSampleId :  
PB165296BS



Tgt Ion:152 Resp: 84060  
Ion Ratio Lower Upper  
152 100  
150 159.4 128.5 192.7  
115 61.7 50.2 75.4

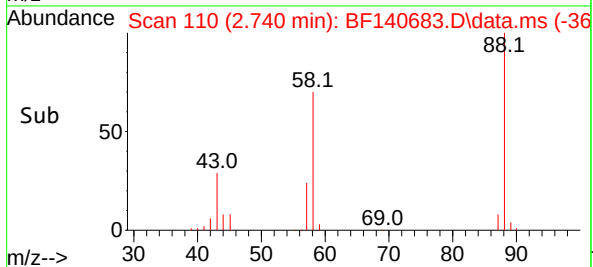
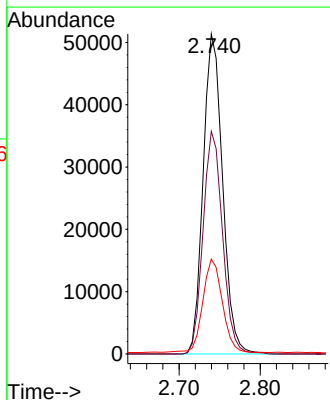
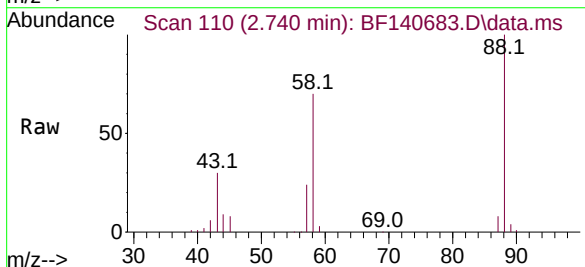
Manual Integrations  
APPROVED

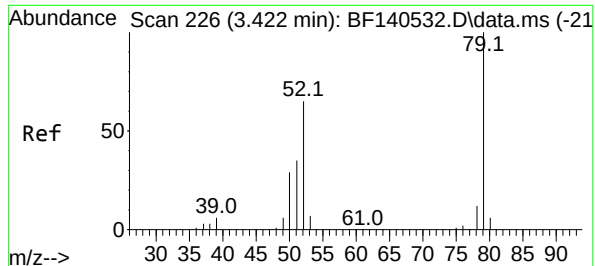
Reviewed By :Yogesh Patel 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024



#2  
1,4-Dioxane  
Concen: 41.225 ng  
RT: 2.740 min Scan# 110  
Delta R.T. 0.088 min  
Lab File: BF140683.D  
Acq: 02 Dec 2024 11:23

Tgt Ion: 88 Resp: 85394  
Ion Ratio Lower Upper  
88 100  
58 69.6 57.4 86.2  
43 29.5 24.3 36.5





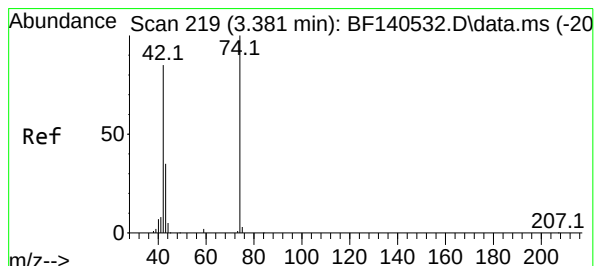
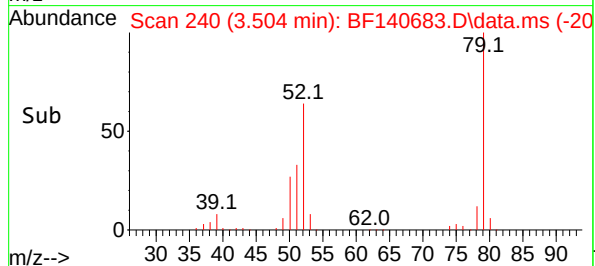
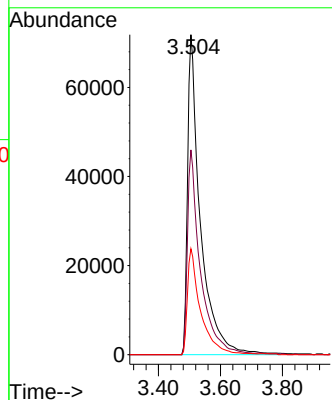
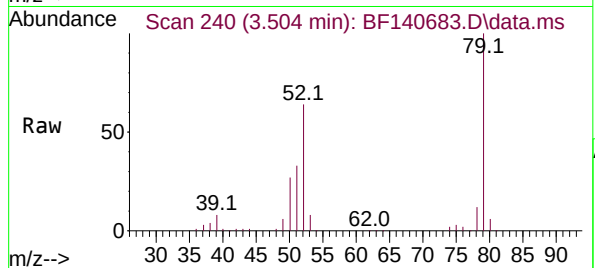
#3  
Pyridine  
Concen: 45.340 ng  
RT: 3.504 min Scan# 240  
Delta R.T. 0.082 min  
Lab File: BF140683.D  
Acq: 02 Dec 2024 11:23

Instrument :  
BNA\_F  
ClientSampleId :  
PB165296BS

Tgt Ion: 79 Resp: 20664  
Ion Ratio Lower Upper  
79 100  
52 64.0 52.1 78.1  
51 33.1 27.8 41.8

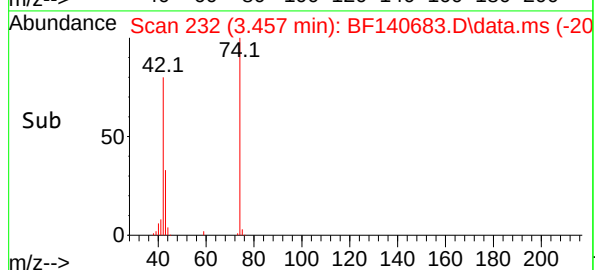
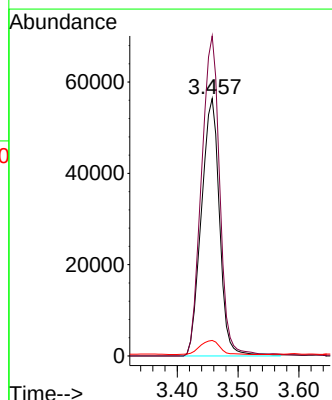
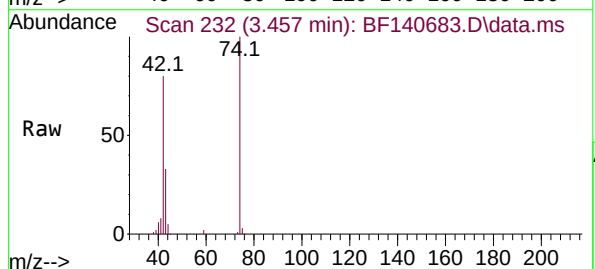
Manual Integrations  
APPROVED

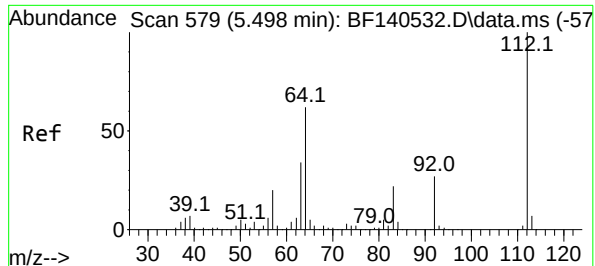
Reviewed By :Yogesh Patel 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024



#4  
n-Nitrosodimethylamine  
Concen: 43.706 ng  
RT: 3.457 min Scan# 232  
Delta R.T. 0.076 min  
Lab File: BF140683.D  
Acq: 02 Dec 2024 11:23

Tgt Ion: 42 Resp: 117073  
Ion Ratio Lower Upper  
42 100  
74 124.3 93.8 140.6  
44 6.0 4.6 6.8





#5  
2-Fluorophenol  
Concen: 129.227 ng  
RT: 5.510 min Scan# 51  
Delta R.T. 0.012 min  
Lab File: BF140683.D  
Acq: 02 Dec 2024 11:23

Instrument :

BNA\_F

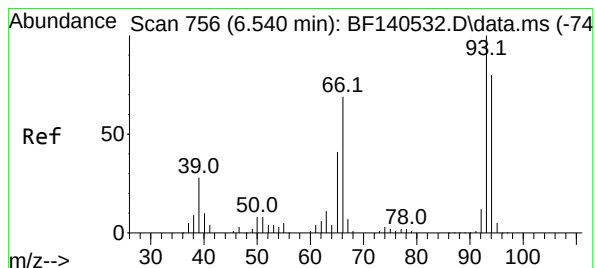
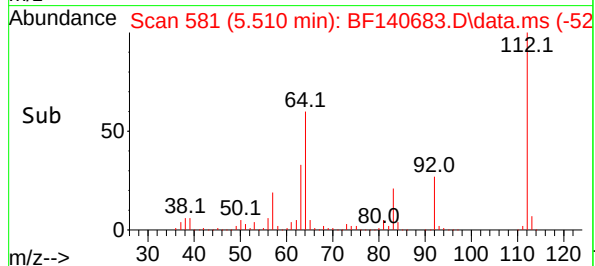
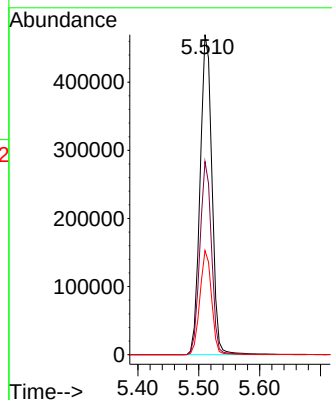
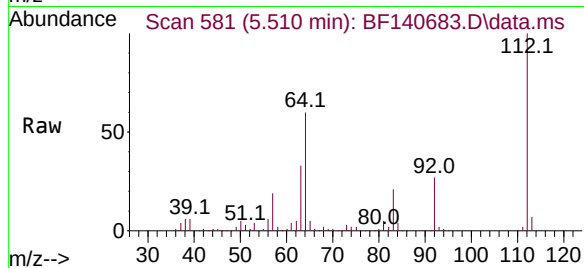
ClientSampleId :

PB165296BS

Tgt Ion:112 Resp: 63666  
Ion Ratio Lower Upper  
112 100  
64 60.3 49.2 73.8  
63 32.5 27.0 40.4

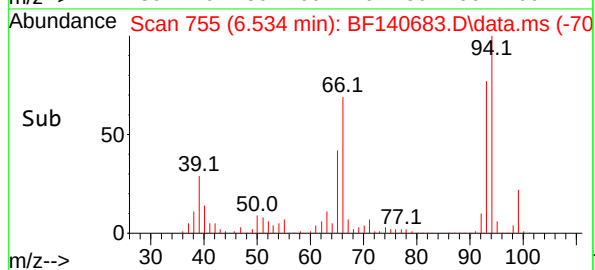
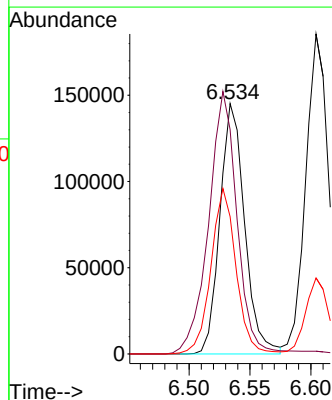
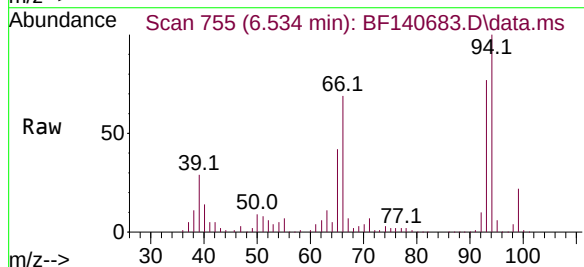
Manual Integrations  
APPROVED

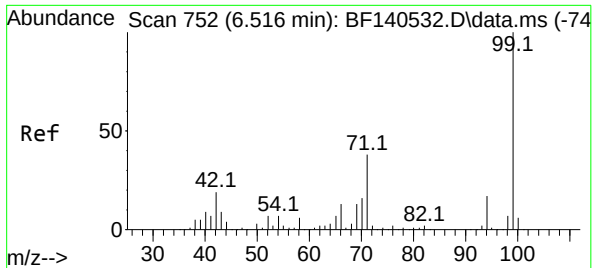
Reviewed By :Yogesh Patel 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024



#6  
Aniline  
Concen: 44.764 ng  
RT: 6.534 min Scan# 755  
Delta R.T. -0.006 min  
Lab File: BF140683.D  
Acq: 02 Dec 2024 11:23

Tgt Ion: 93 Resp: 205213  
Ion Ratio Lower Upper  
93 100  
66 89.6 56.5 84.7#  
65 54.8 32.9 49.3#





#7  
Phenol-d6  
Concen: 129.139 ng  
RT: 6.516 min Scan# 711  
Delta R.T. -0.000 min  
Lab File: BF140683.D  
Acq: 02 Dec 2024 11:23

Instrument :

BNA\_F

ClientSampleId :

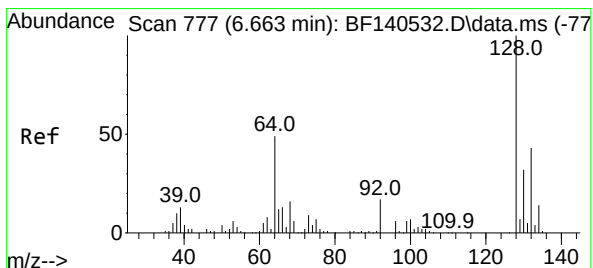
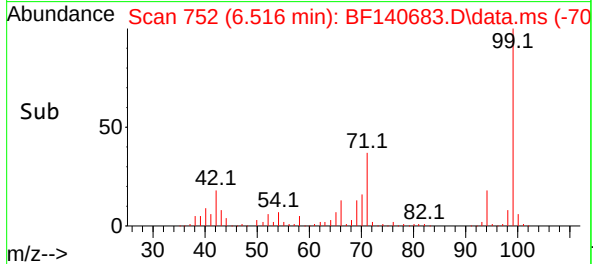
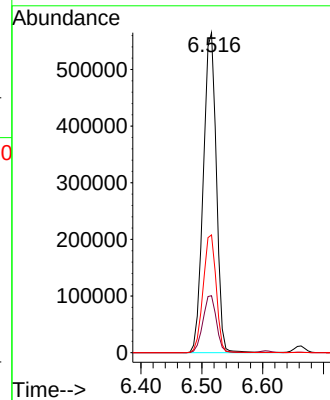
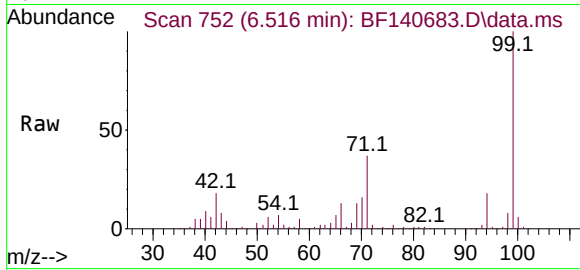
PB165296BS

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 99      | 100   |       |       |
| 42      | 17.8  | 15.4  | 23.0  |
| 71      | 36.8  | 30.6  | 46.0  |

Manual Integrations

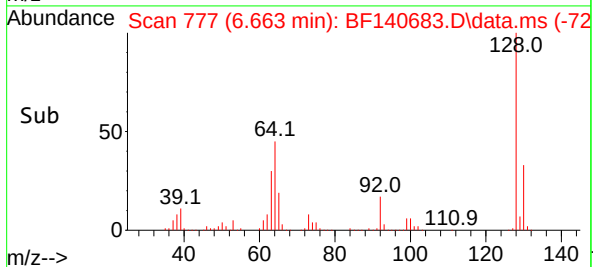
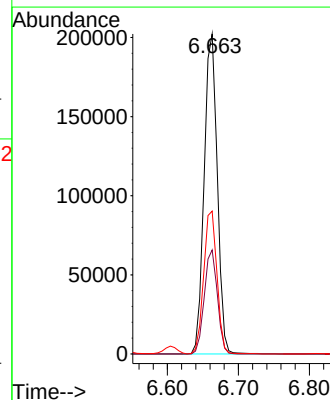
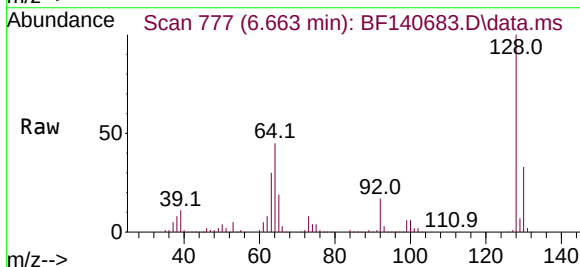
APPROVED

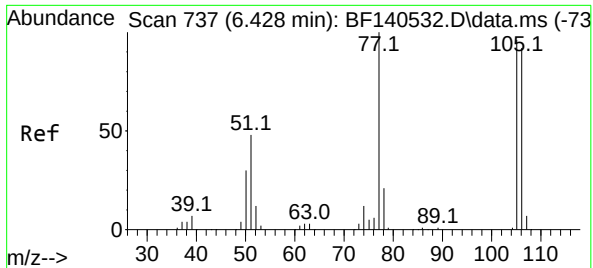
Reviewed By :Yogesh Patel 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024



#8  
2-Chlorophenol  
Concen: 49.275 ng  
RT: 6.663 min Scan# 777  
Delta R.T. -0.000 min  
Lab File: BF140683.D  
Acq: 02 Dec 2024 11:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 130     | 32.5  | 12.3  | 52.3  |
| 64      | 44.6  | 30.2  | 70.2  |





#9

Benzaldehyde

Concen: 29.414 ng

RT: 6.422 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF140683.D

Acq: 02 Dec 2024 11:23

Instrument :

BNA\_F

ClientSampleId :

PB165296BS

Tgt Ion: 77 Resp: 101418

Ion Ratio Lower Upper

77 100

105 95.2 75.6 115.6

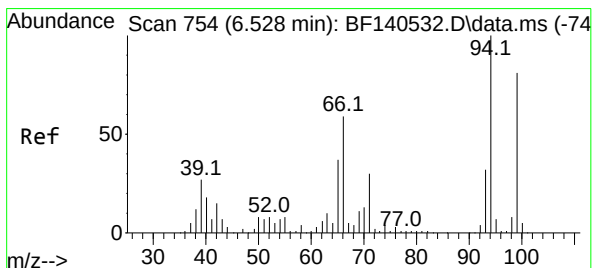
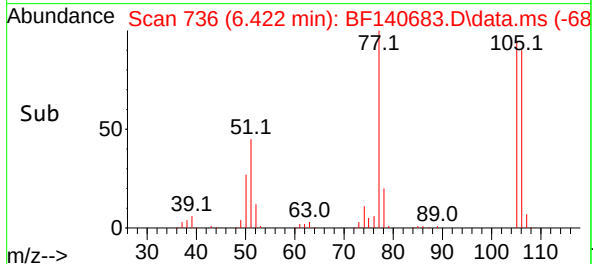
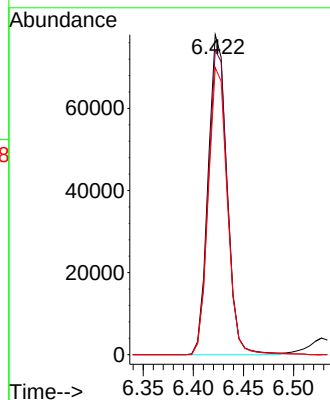
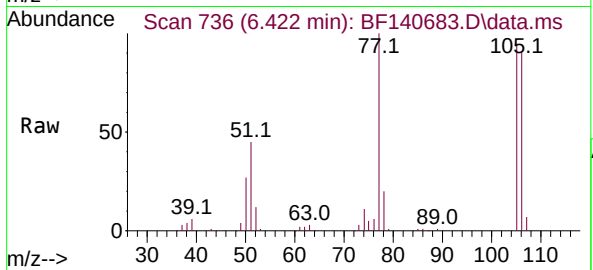
106 89.7 72.0 112.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/03/2024

Supervised By :mohammad ahmed 12/05/2024



#10

Phenol

Concen: 48.324 ng

RT: 6.528 min Scan# 754

Delta R.T. -0.000 min

Lab File: BF140683.D

Acq: 02 Dec 2024 11:23

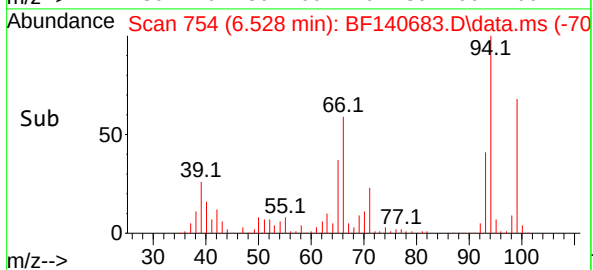
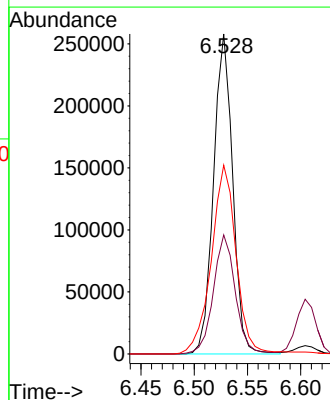
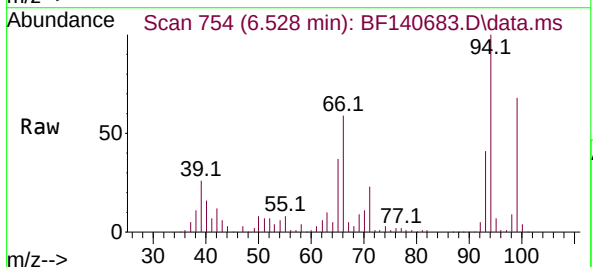
Tgt Ion: 94 Resp: 321437

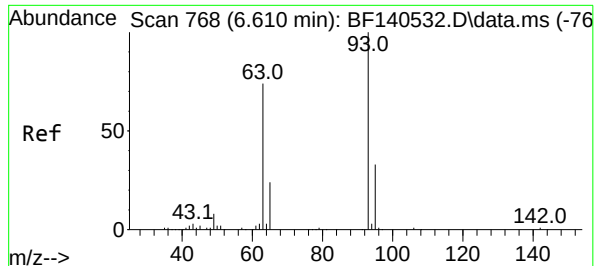
Ion Ratio Lower Upper

94 100

65 37.2 17.2 57.2

66 59.0 39.2 79.2





#11  
bis(2-Chloroethyl)ether  
Concen: 47.100 ng  
RT: 6.604 min Scan# 70  
Delta R.T. -0.006 min  
Lab File: BF140683.D  
Acq: 02 Dec 2024 11:23

Instrument :

BNA\_F

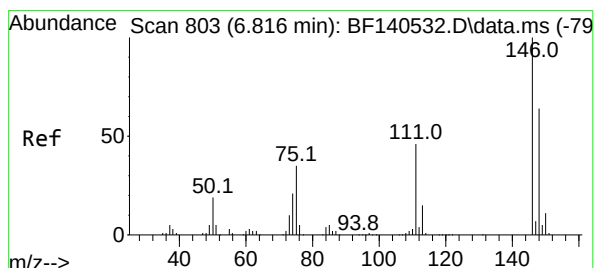
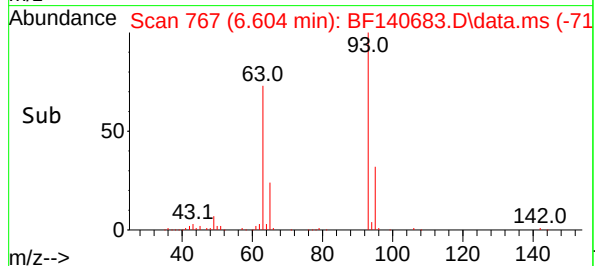
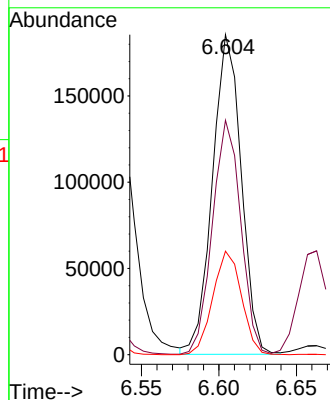
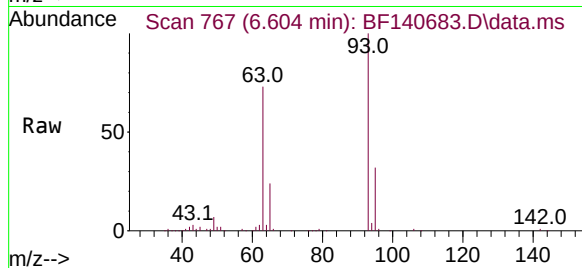
ClientSampleId :

PB165296BS

Tgt Ion: 93 Resp: 239740  
Ion Ratio Lower Upper  
93 100  
63 73.2 52.8 92.8  
95 32.4 12.3 52.3

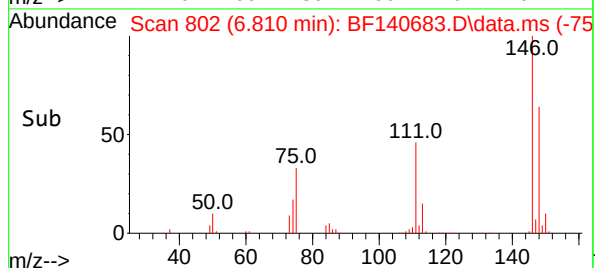
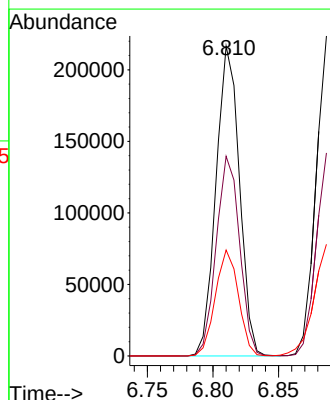
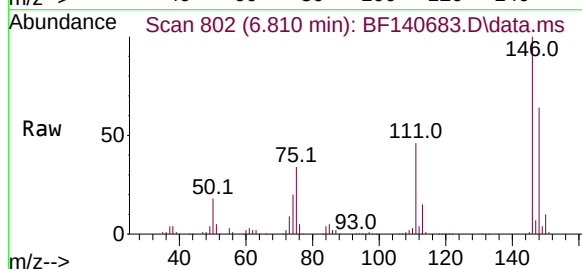
Manual Integrations  
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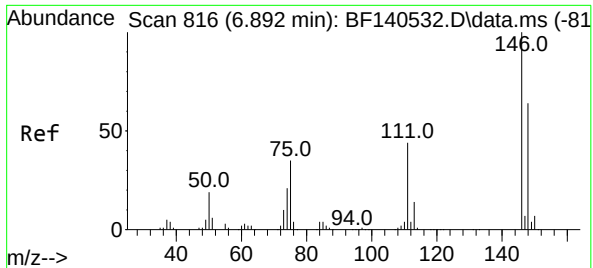
Reviewed By :Yogesh Patel 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024



#12  
1,3-Dichlorobenzene  
Concen: 45.159 ng  
RT: 6.810 min Scan# 802  
Delta R.T. -0.006 min  
Lab File: BF140683.D  
Acq: 02 Dec 2024 11:23

Tgt Ion:146 Resp: 268958  
Ion Ratio Lower Upper  
146 100  
148 64.4 51.3 76.9  
75 34.2 28.2 42.2





#13

1,4-Dichlorobenzene

Concen: 45.789 ng

RT: 6.887 min Scan# 815

Delta R.T. -0.006 min

Lab File: BF140683.D

Acq: 02 Dec 2024 11:23

Instrument :

BNA\_F

ClientSampleId :

PB165296BS

Tgt Ion:146 Resp: 276129

Ion Ratio Lower Upper

146 100

148 63.4 51.0 76.6

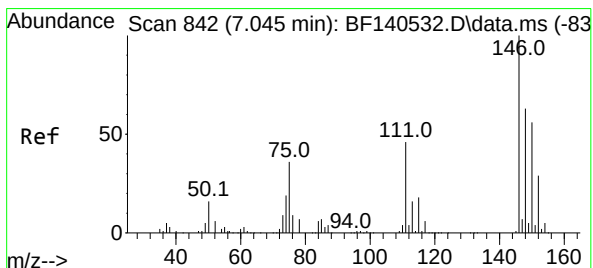
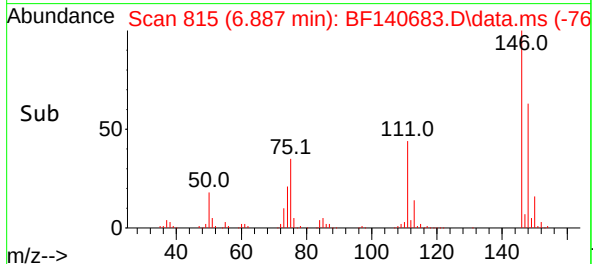
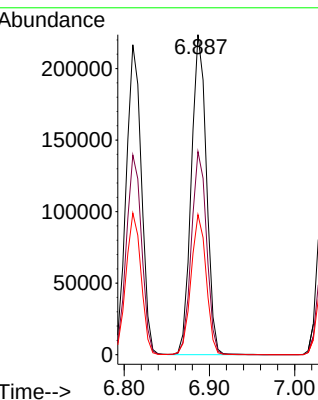
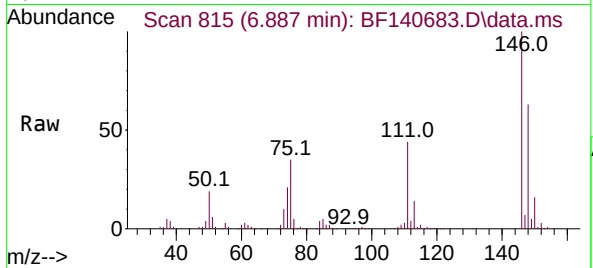
111 43.8 35.3 52.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/03/2024

Supervised By :mohammad ahmed 12/05/2024



#14

1,2-Dichlorobenzene

Concen: 46.731 ng

RT: 7.039 min Scan# 841

Delta R.T. -0.006 min

Lab File: BF140683.D

Acq: 02 Dec 2024 11:23

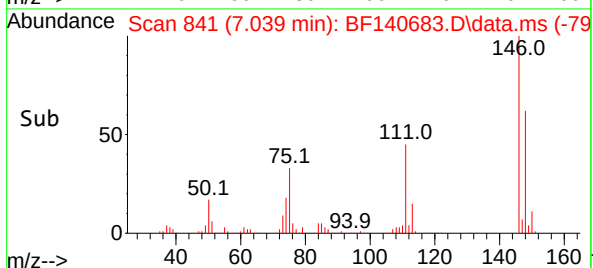
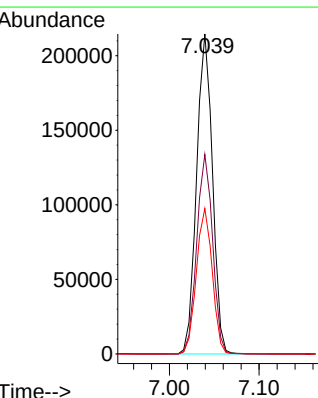
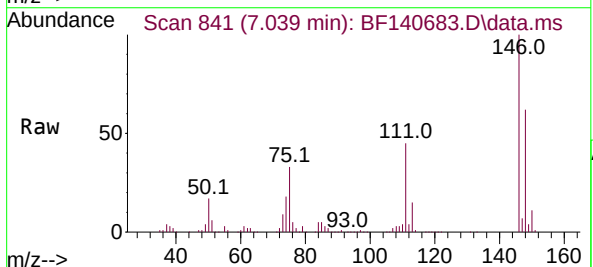
Tgt Ion:146 Resp: 264067

Ion Ratio Lower Upper

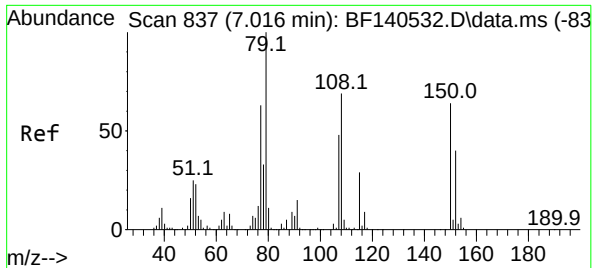
146 100

148 62.4 50.5 75.7

111 45.5 36.7 55.1







#15

Benzyl Alcohol

Concen: 49.436 ng

RT: 7.016 min Scan# 81

Delta R.T. -0.000 min

Lab File: BF140683.D

Acq: 02 Dec 2024 11:23

Instrument :

BNA\_F

ClientSampleId :

PB165296BS

Tgt Ion: 79 Resp: 23878

Ion Ratio Lower Upper

79 100

108 72.6 55.0 82.6

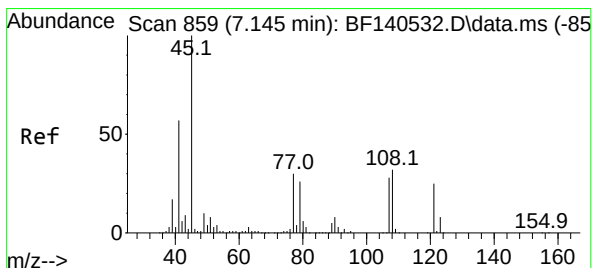
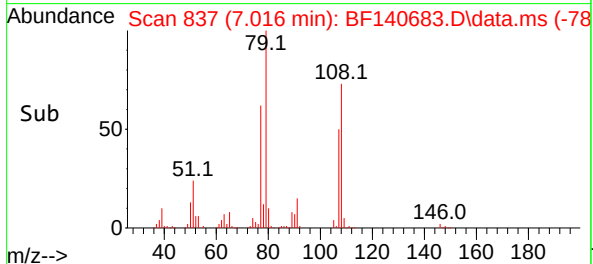
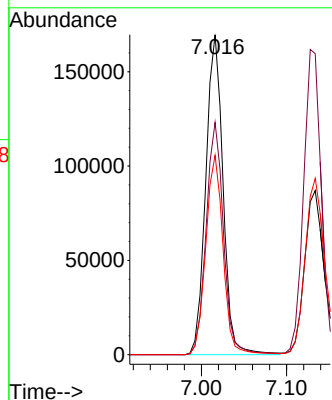
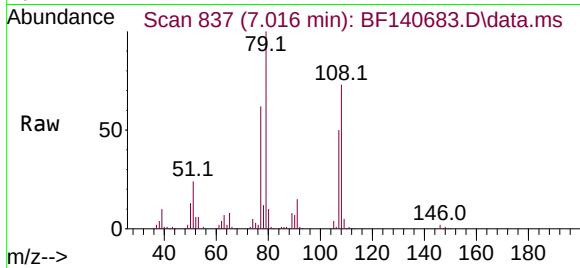
77 62.3 50.1 75.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/03/2024

Supervised By :mohammad ahmed 12/05/2024



#16

2,2'-oxybis(1-Chloropropane)

Concen: 48.431 ng

RT: 7.139 min Scan# 858

Delta R.T. -0.006 min

Lab File: BF140683.D

Acq: 02 Dec 2024 11:23

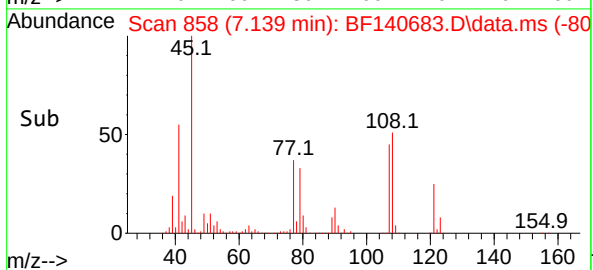
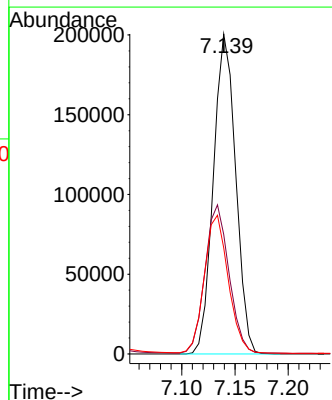
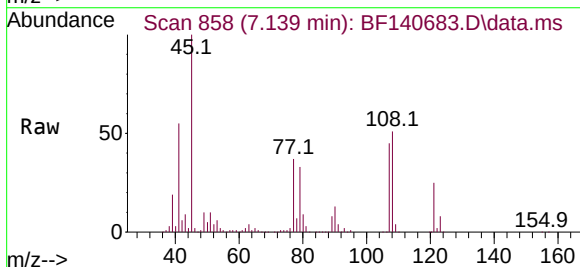
Tgt Ion: 45 Resp: 291227

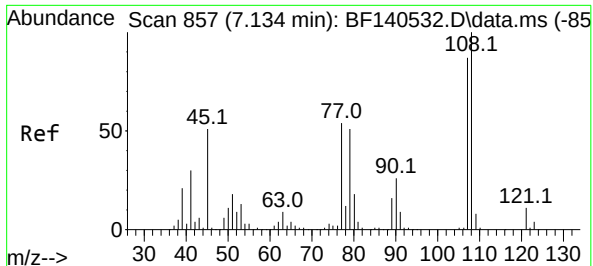
Ion Ratio Lower Upper

45 100

77 37.3 10.7 50.7

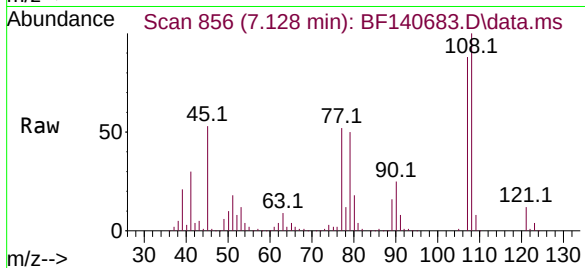
79 33.1 7.0 47.0





#17  
2-Methylphenol  
Concen: 48.038 ng  
RT: 7.128 min Scan# 810  
Delta R.T. -0.006 min  
Lab File: BF140683.D  
Acq: 02 Dec 2024 11:23

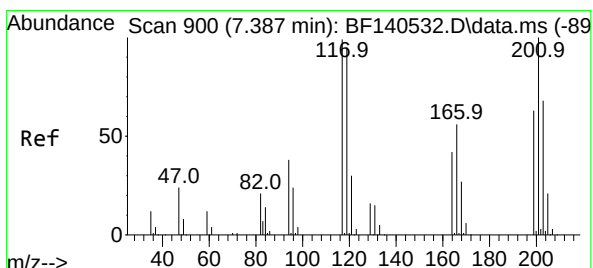
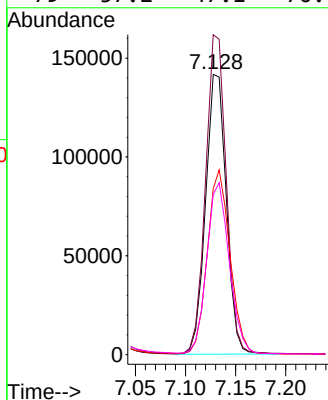
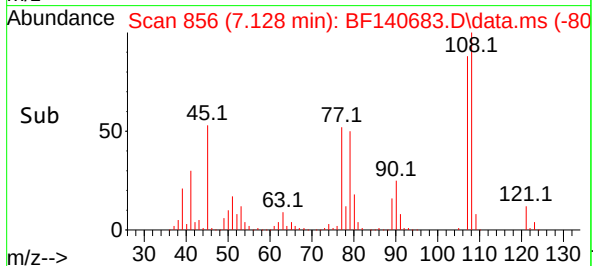
Instrument :  
BNA\_F  
ClientSampleId :  
PB165296BS



Tgt Ion:107 Resp: 20382  
Ion Ratio Lower Upper  
107 100  
108 114.1 91.7 137.5  
77 59.2 49.3 73.9  
79 57.2 47.1 70.7

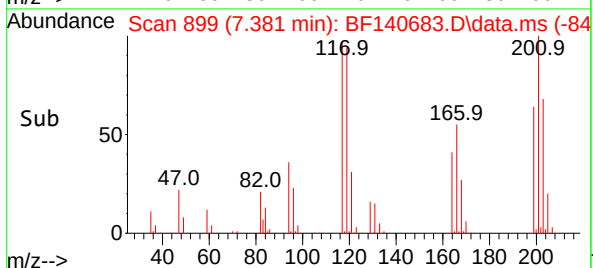
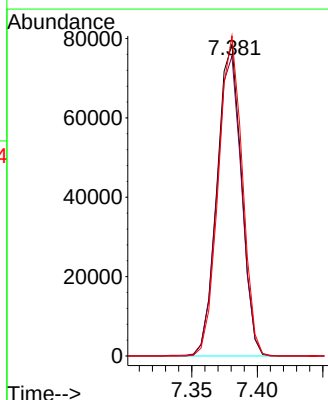
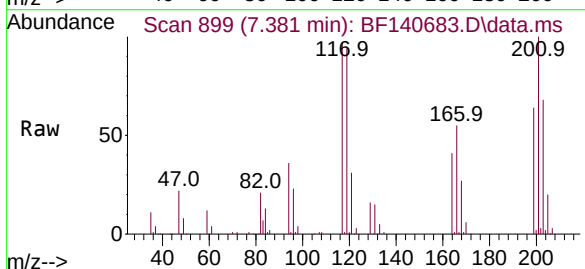
Manual Integrations  
APPROVED

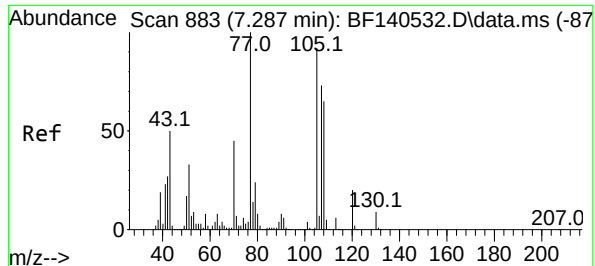
Reviewed By :Yogesh Patel 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024



#18  
Hexachloroethane  
Concen: 44.993 ng  
RT: 7.381 min Scan# 899  
Delta R.T. -0.006 min  
Lab File: BF140683.D  
Acq: 02 Dec 2024 11:23

Tgt Ion:117 Resp: 101338  
Ion Ratio Lower Upper  
117 100  
119 96.3 77.1 115.7  
201 102.8 81.1 121.7





#19

n-Nitroso-di-n-propylamine

Concen: 47.617 ng

RT: 7.281 min Scan# 882

Delta R.T. -0.006 min

Lab File: BF140683.D

Acq: 02 Dec 2024 11:23

Instrument :

BNA\_F

ClientSampleId :

PB165296BS

Tgt Ion: 70 Resp: 18329

Ion Ratio Lower Upper

70 100

42 56.5 47.6 71.4

101 9.8 7.6 11.4

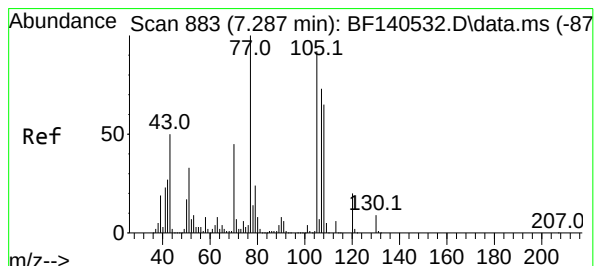
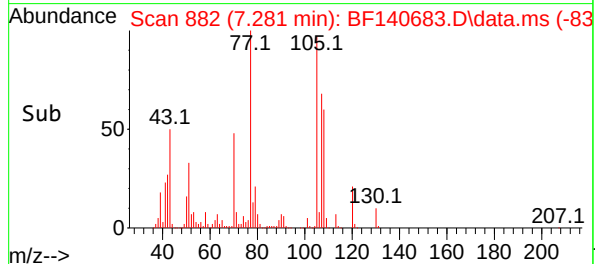
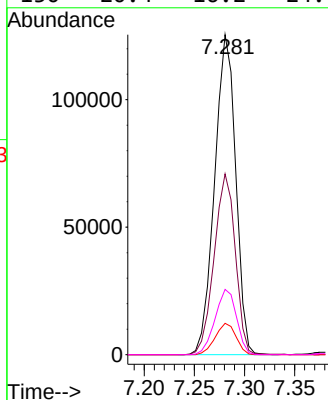
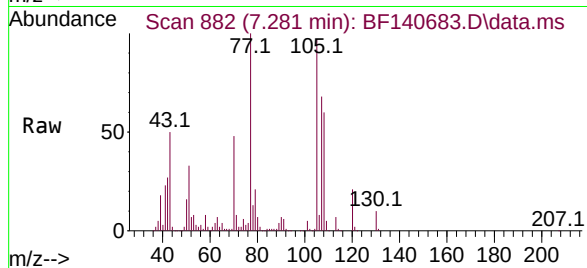
130 20.4 16.2 24.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/03/2024

Supervised By :mohammad ahmed 12/05/2024



#20

3+4-Methylphenols

Concen: 49.152 ng

RT: 7.281 min Scan# 882

Delta R.T. -0.006 min

Lab File: BF140683.D

Acq: 02 Dec 2024 11:23

Tgt Ion:107 Resp: 268055

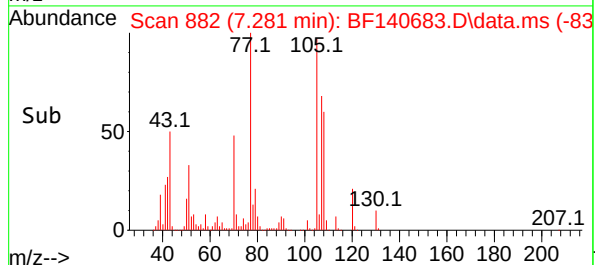
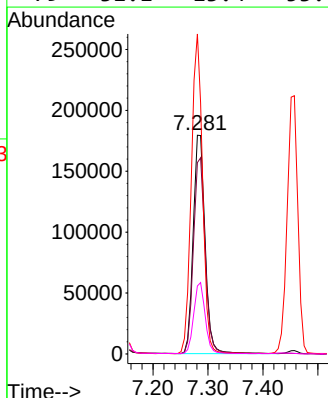
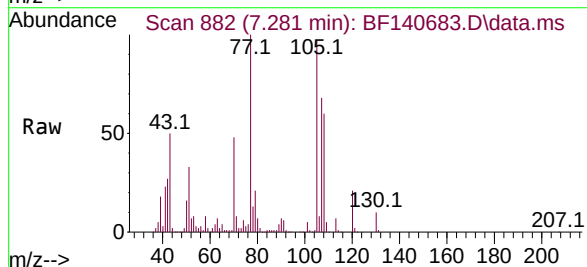
Ion Ratio Lower Upper

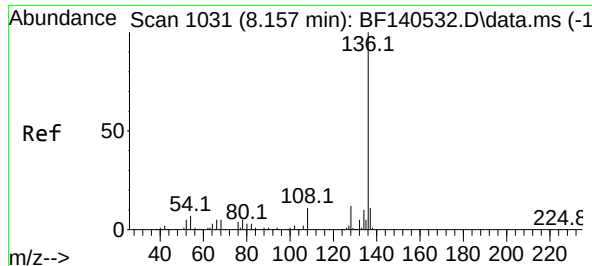
107 100

108 87.5 69.9 109.9

77 146.3 117.7 157.7

79 31.1 13.4 53.4





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.151 min Scan# 1031

Delta R.T. -0.006 min

Lab File: BF140683.D

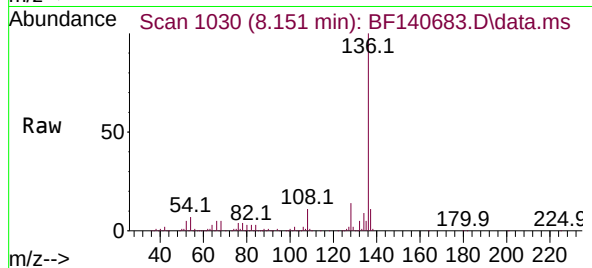
Acq: 02 Dec 2024 11:23

Instrument :

BNA\_F

ClientSampleId :

PB165296BS



Tgt Ion:136 Resp: 32350

Ion Ratio Lower Upper

136 100

137 10.6 8.6 13.0

54 6.8 5.8 8.8

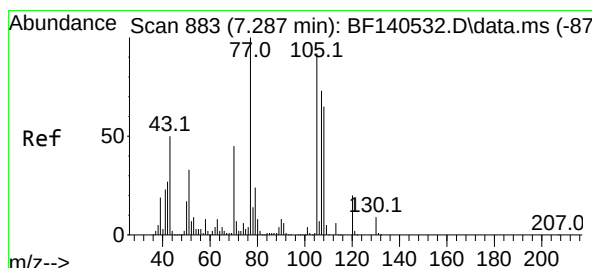
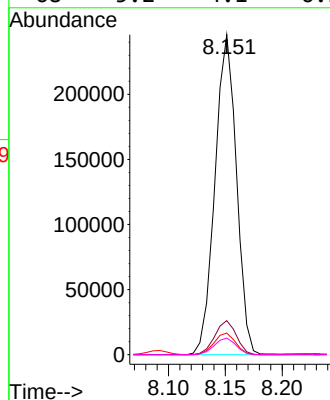
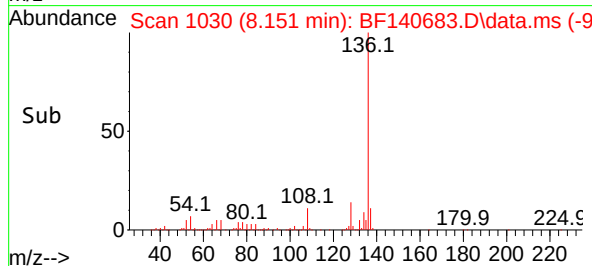
68 5.2 4.1 6.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/03/2024

Supervised By :mohammad ahmed 12/05/2024



#22

Acetophenone

Concen: 44.480 ng

RT: 7.281 min Scan# 882

Delta R.T. -0.006 min

Lab File: BF140683.D

Acq: 02 Dec 2024 11:23

Tgt Ion:105 Resp: 350806

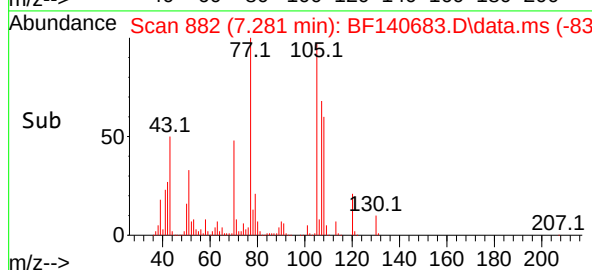
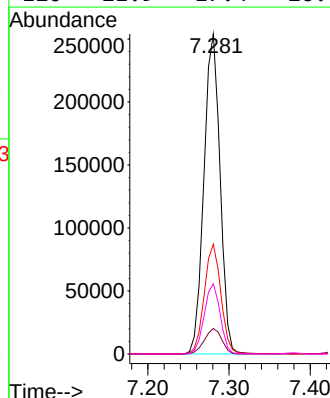
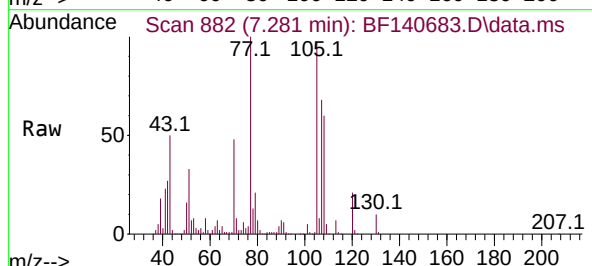
Ion Ratio Lower Upper

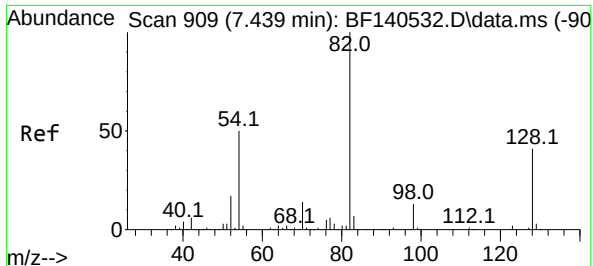
105 100

71 7.9 6.2 9.2

51 34.3 29.0 43.6

120 21.9 17.4 26.0





#23

Nitrobenzene-d5

Concen: 86.671 ng

RT: 7.434 min Scan# 909

Delta R.T. -0.006 min

Lab File: BF140683.D

Acq: 02 Dec 2024 11:23

Instrument :

BNA\_F

ClientSampleId :

PB165296BS

Tgt Ion: 82 Resp: 54815

Ion Ratio Lower Upper

82 100

128 42.1 33.0 49.4

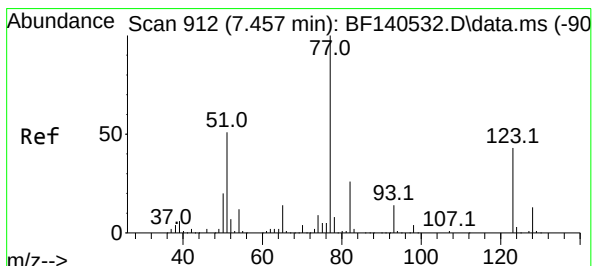
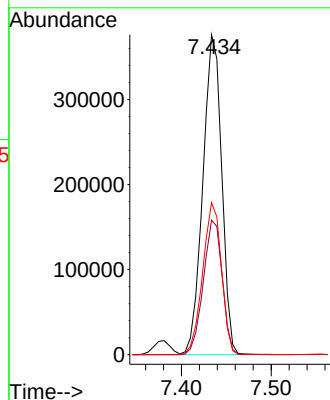
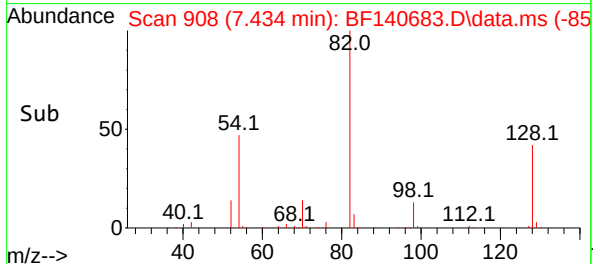
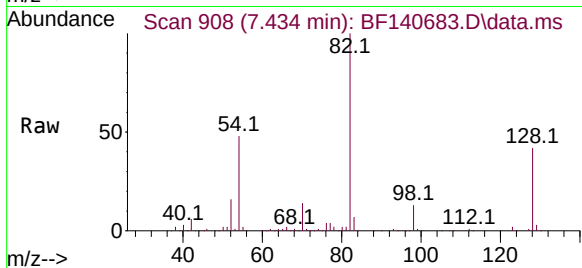
54 47.5 39.5 59.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/03/2024

Supervised By :mohammad ahmed 12/05/2024



#24

Nitrobenzene

Concen: 43.633 ng

RT: 7.457 min Scan# 912

Delta R.T. -0.000 min

Lab File: BF140683.D

Acq: 02 Dec 2024 11:23

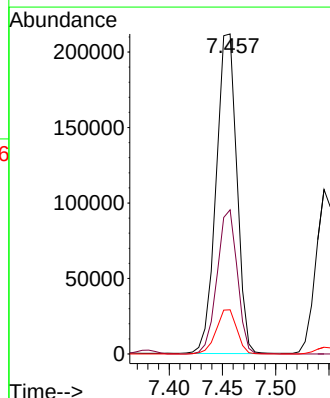
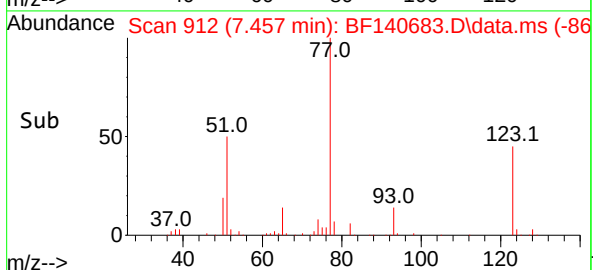
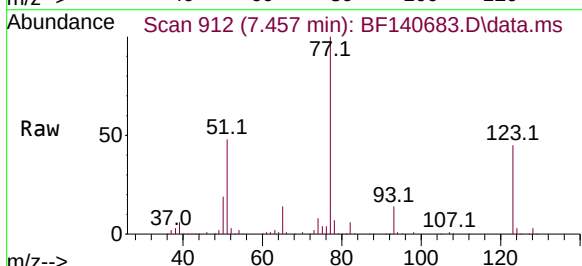
Tgt Ion: 77 Resp: 285214

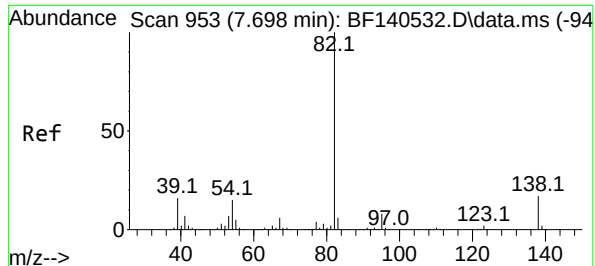
Ion Ratio Lower Upper

77 100

123 45.0 34.3 51.5

65 13.8 11.2 16.8





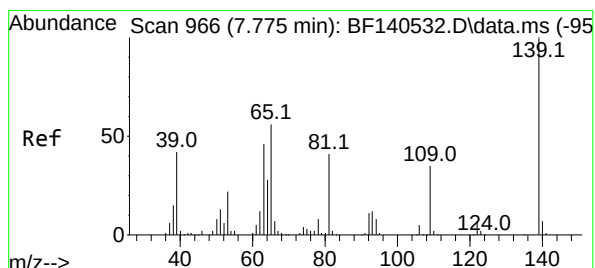
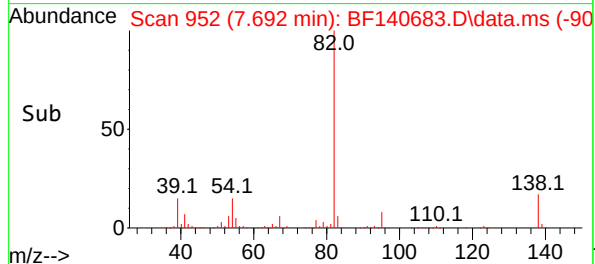
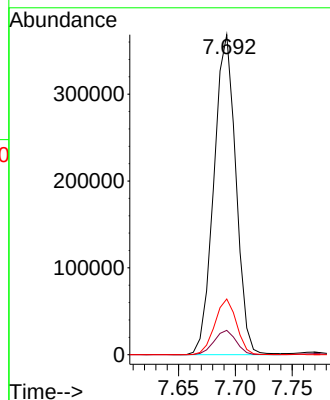
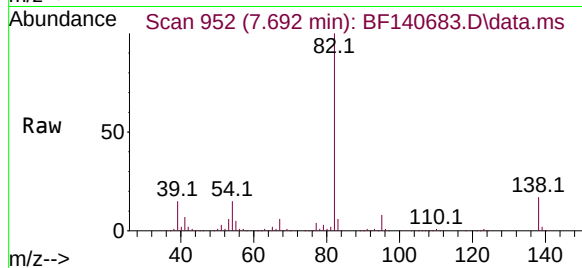
#25  
Isophorone  
Concen: 47.119 ng  
RT: 7.692 min Scan# 911  
Delta R.T. -0.006 min  
Lab File: BF140683.D  
Acq: 02 Dec 2024 11:23

Instrument :  
BNA\_F  
ClientSampleId :  
PB165296BS

Tgt Ion: 82 Resp: 49704  
Ion Ratio Lower Upper  
82 100  
95 7.6 6.4 9.6  
138 17.4 13.8 20.6

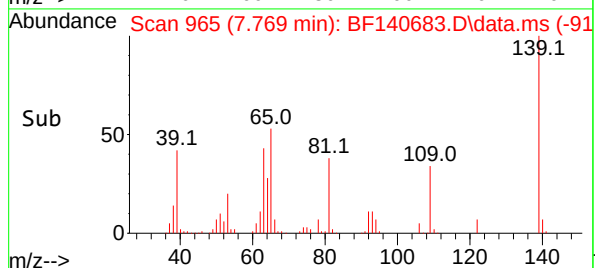
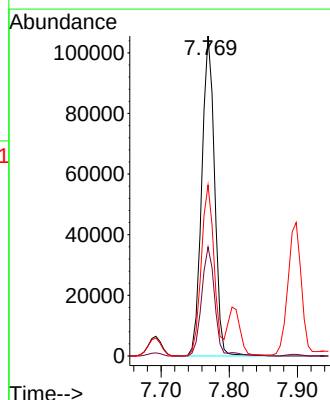
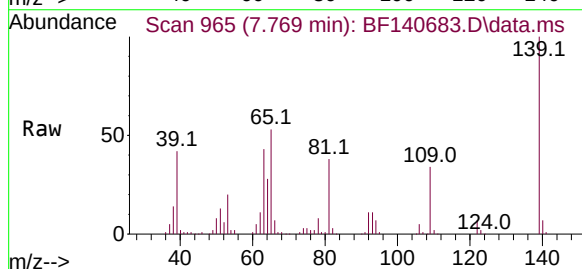
Manual Integrations  
APPROVED

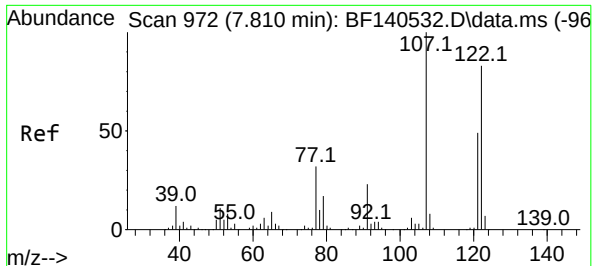
Reviewed By :Yogesh Patel 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024



#26  
2-Nitrophenol  
Concen: 47.616 ng  
RT: 7.769 min Scan# 965  
Delta R.T. -0.006 min  
Lab File: BF140683.D  
Acq: 02 Dec 2024 11:23

Tgt Ion:139 Resp: 137930  
Ion Ratio Lower Upper  
139 100  
109 34.1 28.0 42.0  
65 53.4 44.6 67.0





#27

2,4-Dimethylphenol

Concen: 60.255 ng m

RT: 7.804 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF140683.D

Acq: 02 Dec 2024 11:23

Instrument :

BNA\_F

ClientSampleId :

PB165296BS

Tgt Ion:122 Resp: 208830

Ion Ratio Lower Upper

122 100

107 117.5 96.8 145.2

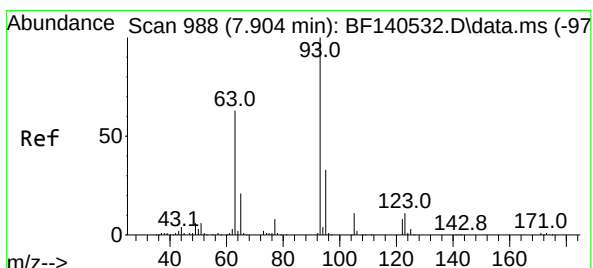
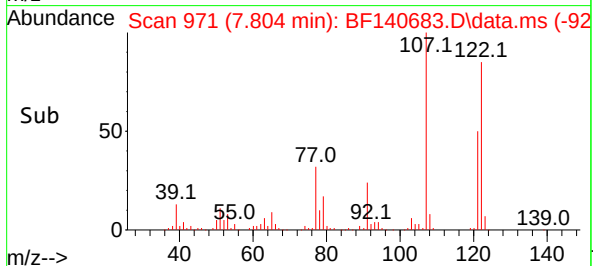
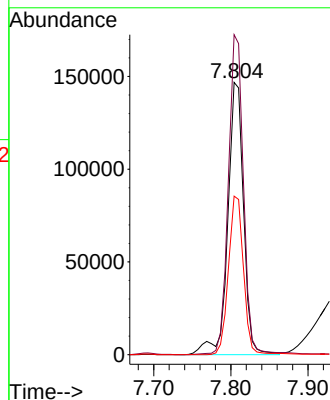
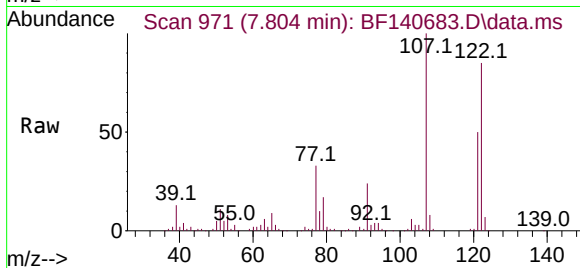
121 58.3 47.4 71.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/03/2024

Supervised By :mohammad ahmed 12/05/2024



#28

bis(2-Chloroethoxy)methane

Concen: 46.399 ng

RT: 7.898 min Scan# 987

Delta R.T. -0.006 min

Lab File: BF140683.D

Acq: 02 Dec 2024 11:23

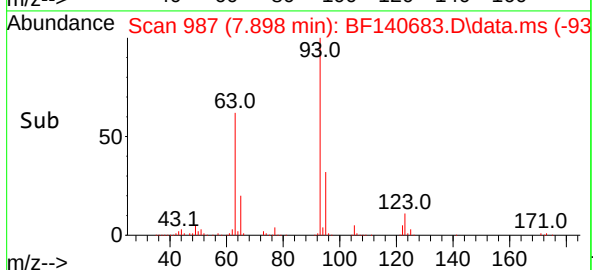
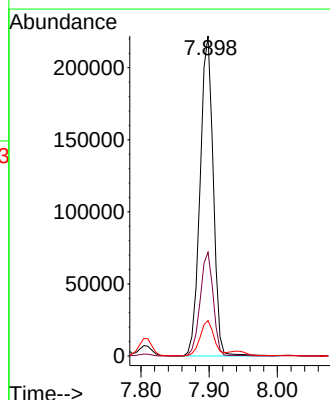
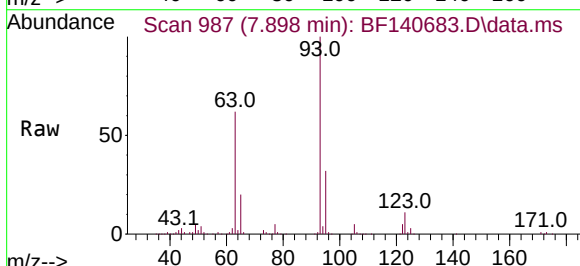
Tgt Ion: 93 Resp: 298179

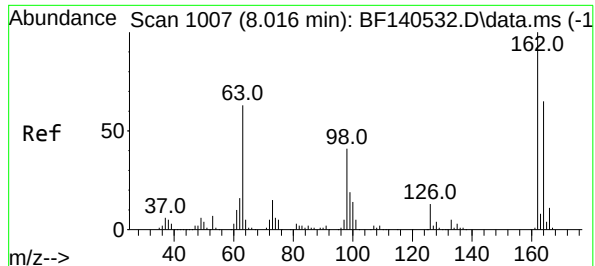
Ion Ratio Lower Upper

93 100

95 32.4 26.1 39.1

123 11.1 9.1 13.7





#29

2,4-Dichlorophenol

Concen: 48.136 ng

RT: 8.016 min Scan# 1007

Delta R.T. -0.000 min

Lab File: BF140683.D

Acq: 02 Dec 2024 11:23

Instrument :

BNA\_F

ClientSampleId :

PB165296BS

Tgt Ion:162 Resp: 22106

Ion Ratio Lower Upper

162 100

164 64.2 44.8 84.8

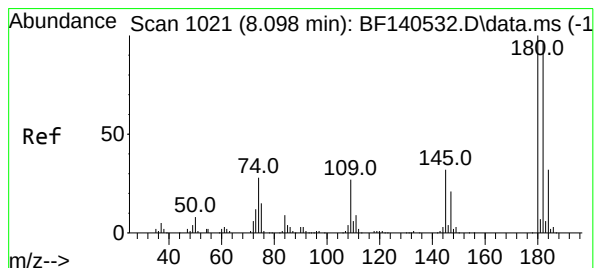
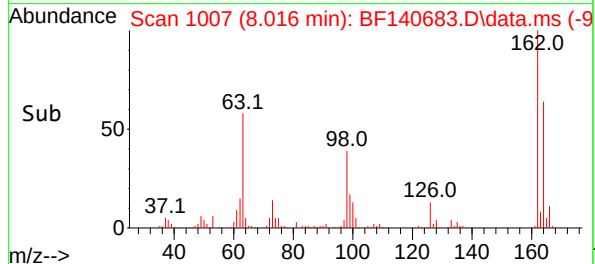
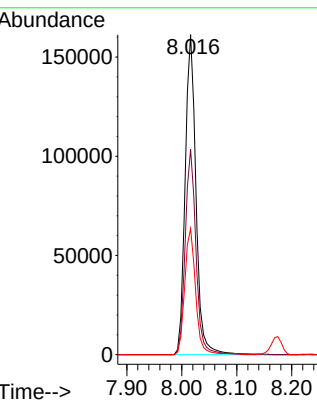
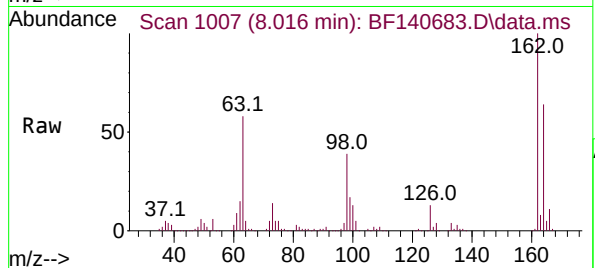
98 39.4 21.2 61.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/03/2024

Supervised By :mohammad ahmed 12/05/2024



#30

1,2,4-Trichlorobenzene

Concen: 44.108 ng

RT: 8.092 min Scan# 1020

Delta R.T. -0.006 min

Lab File: BF140683.D

Acq: 02 Dec 2024 11:23

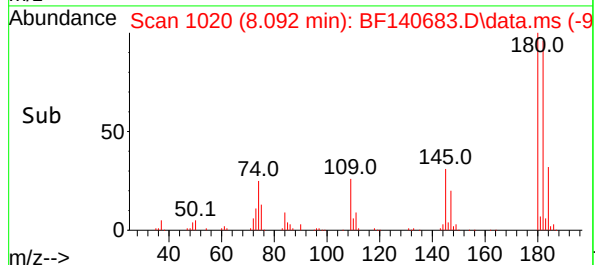
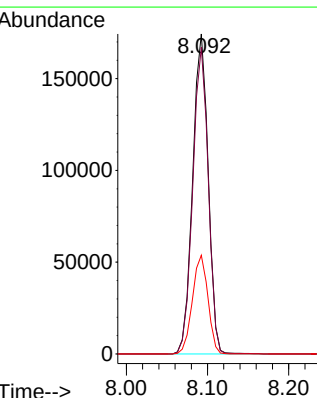
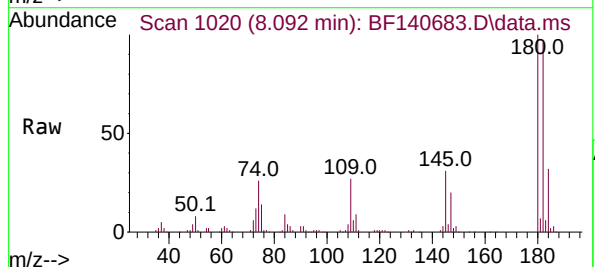
Tgt Ion:180 Resp: 231287

Ion Ratio Lower Upper

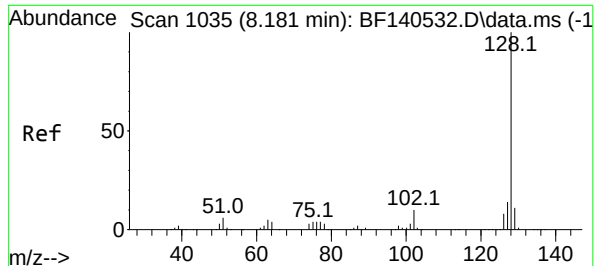
180 100

182 95.8 76.4 114.6

145 30.9 25.9 38.9







#31

Naphthalene

Concen: 45.679 ng

RT: 8.175 min Scan# 1034

Delta R.T. -0.006 min

Lab File: BF140683.D

Acq: 02 Dec 2024 11:23

Instrument :

BNA\_F

ClientSampleId :

PB165296BS

Tgt Ion:128 Resp: 761150

Ion Ratio Lower Upper

128 100

129 11.1 8.6 13.0

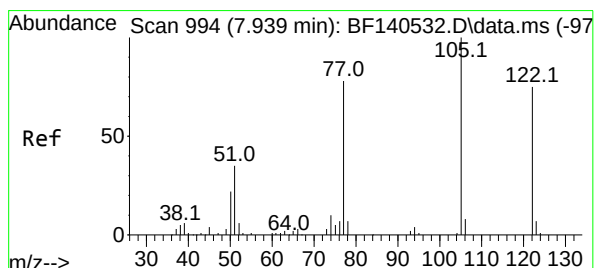
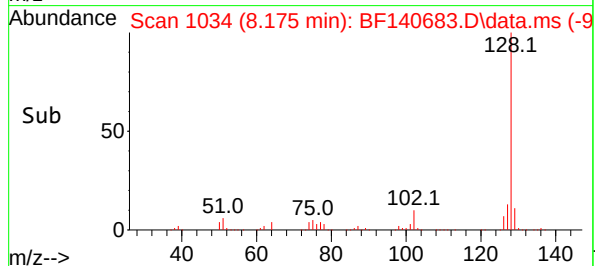
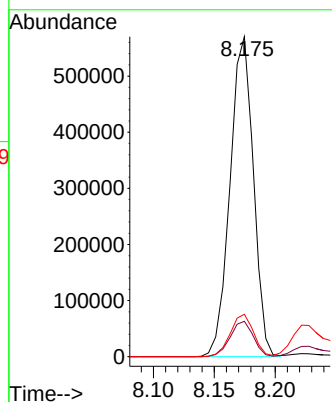
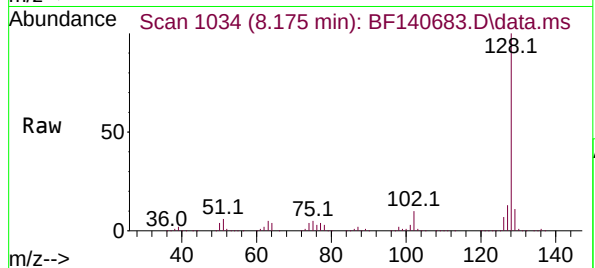
127 13.3 10.8 16.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/03/2024

Supervised By :mohammad ahmed 12/05/2024



#32

Benzoic acid

Concen: 38.805 ng

RT: 7.945 min Scan# 995

Delta R.T. 0.006 min

Lab File: BF140683.D

Acq: 02 Dec 2024 11:23

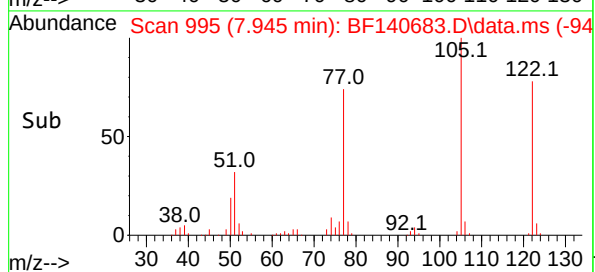
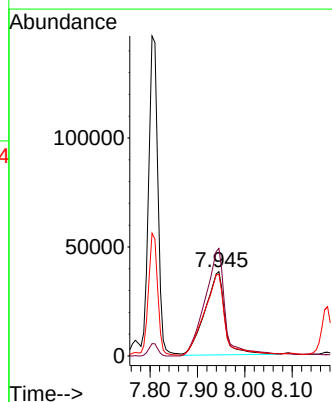
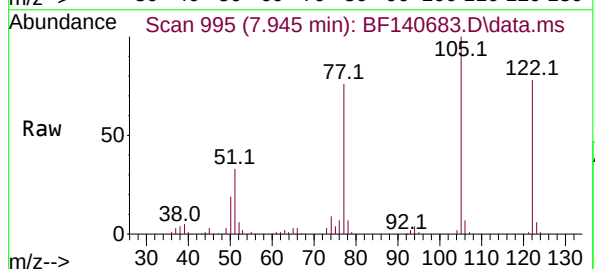
Tgt Ion:122 Resp: 112150

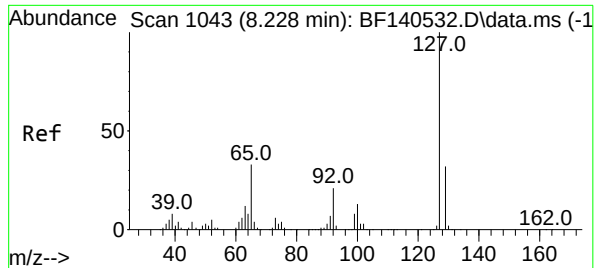
Ion Ratio Lower Upper

122 100

105 127.6 109.3 149.3

77 97.0 82.3 122.3





#33  
4-Chloroaniline  
Concen: 26.978 ng  
RT: 8.222 min Scan# 1042  
Delta R.T. -0.006 min  
Lab File: BF140683.D  
Acq: 02 Dec 2024 11:23

Instrument :

BNA\_F

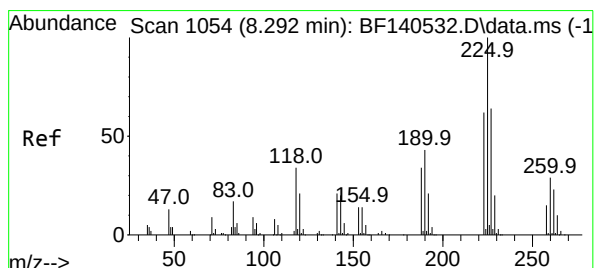
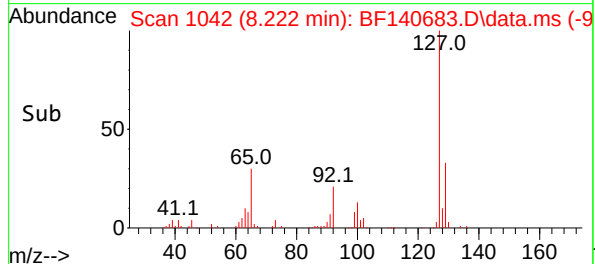
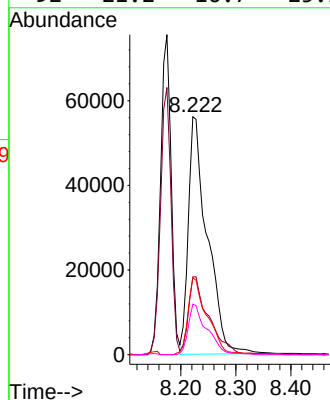
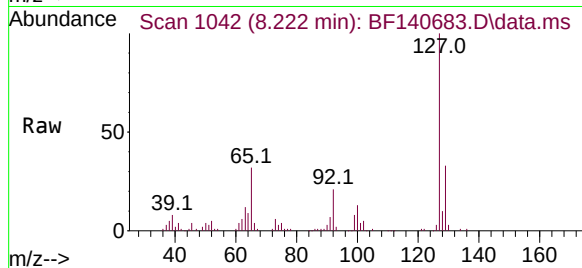
ClientSampleId :

PB165296BS

Tgt Ion:127 Resp: 13459  
Ion Ratio Lower Upper  
127 100  
129 32.7 26.0 39.0  
65 32.4 26.0 39.0  
92 21.2 16.7 25.1

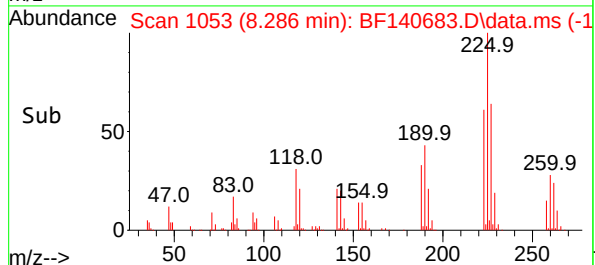
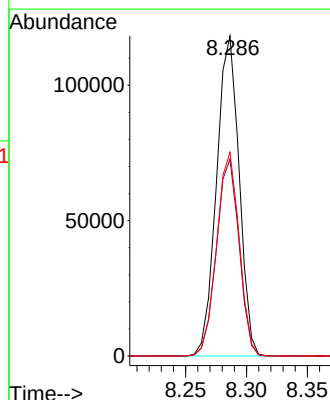
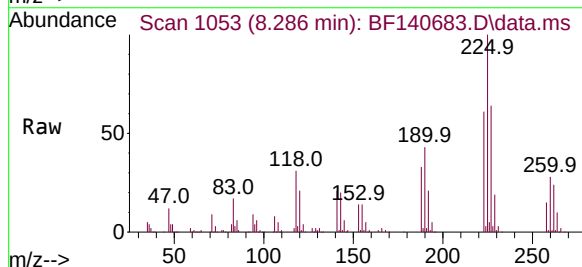
Manual Integrations  
APPROVED

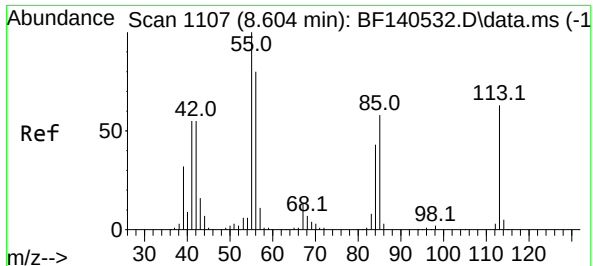
Reviewed By :Yogesh Patel 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024



#34  
Hexachlorobutadiene  
Concen: 43.944 ng  
RT: 8.286 min Scan# 1053  
Delta R.T. -0.006 min  
Lab File: BF140683.D  
Acq: 02 Dec 2024 11:23

Tgt Ion:225 Resp: 152624  
Ion Ratio Lower Upper  
225 100  
223 61.5 49.8 74.8  
227 63.6 51.3 76.9





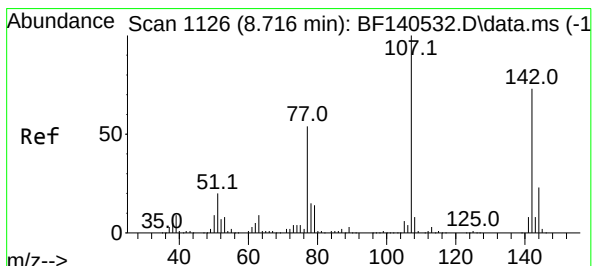
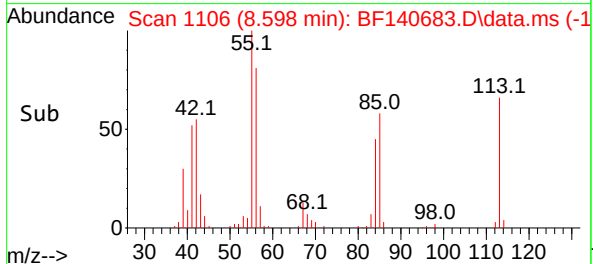
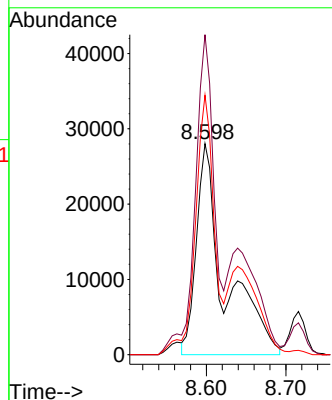
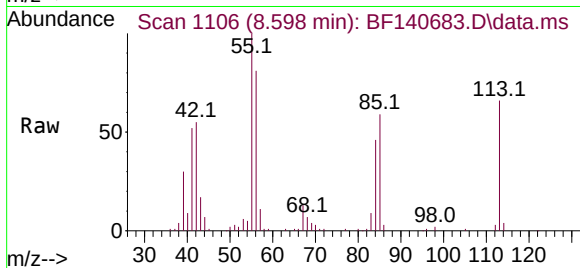
#35  
Caprolactam  
Concen: 48.388 ng m  
RT: 8.598 min Scan# 1106  
Delta R.T. -0.006 min  
Lab File: BF140683.D  
Acq: 02 Dec 2024 11:23

Instrument :  
BNA\_F  
ClientSampleId :  
PB165296BS

Tgt Ion:113 Resp: 6877  
Ion Ratio Lower Upper  
113 100  
55 151.6 137.7 177.7  
56 123.0 106.4 146.4

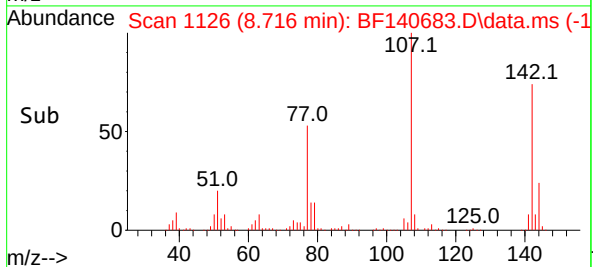
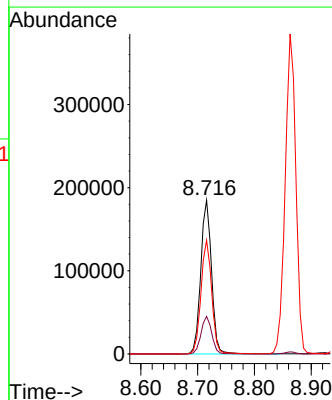
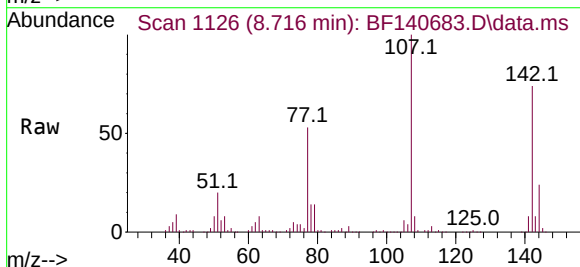
Manual Integrations  
**APPROVED**

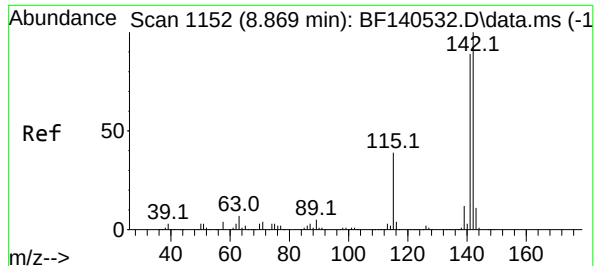
Reviewed By :Yogesh Patel 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024



#36  
4-Chloro-3-methylphenol  
Concen: 47.654 ng  
RT: 8.716 min Scan# 1126  
Delta R.T. -0.000 min  
Lab File: BF140683.D  
Acq: 02 Dec 2024 11:23

Tgt Ion:107 Resp: 245034  
Ion Ratio Lower Upper  
107 100  
144 24.5 18.7 28.1  
142 74.0 58.3 87.5





#37

2-Methylnaphthalene

Concen: 47.564 ng

RT: 8.863 min Scan# 1151

Delta R.T. -0.006 min

Lab File: BF140683.D

Acq: 02 Dec 2024 11:23

Instrument :

BNA\_F

ClientSampleId :

PB165296BS

Tgt Ion:142 Resp: 503409

Ion Ratio Lower Upper

142 100

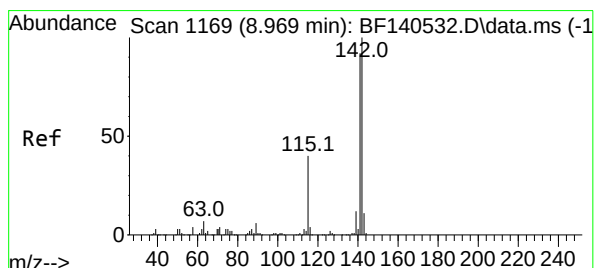
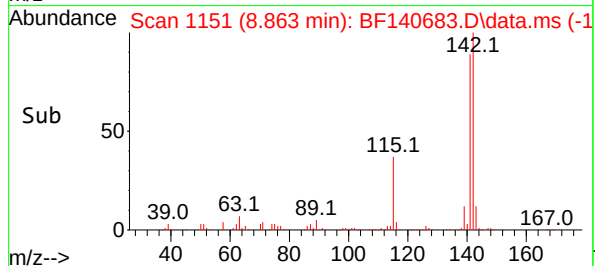
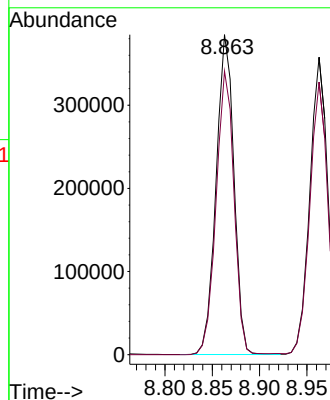
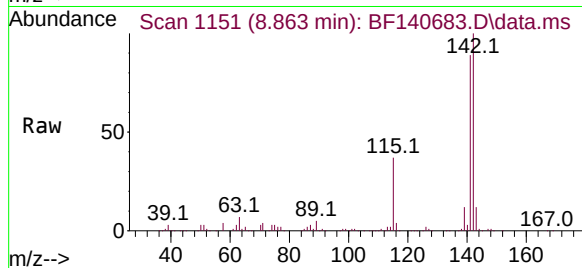
141 88.6 71.0 106.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/03/2024

Supervised By :mohammad ahmed 12/05/2024



#38

1-Methylnaphthalene

Concen: 44.963 ng

RT: 8.963 min Scan# 1168

Delta R.T. -0.006 min

Lab File: BF140683.D

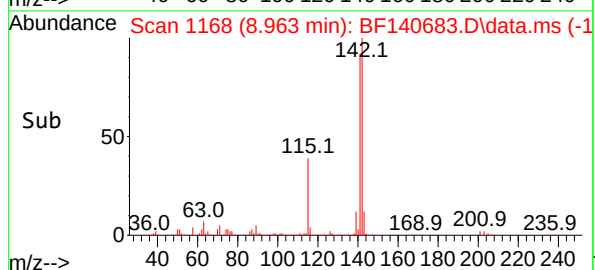
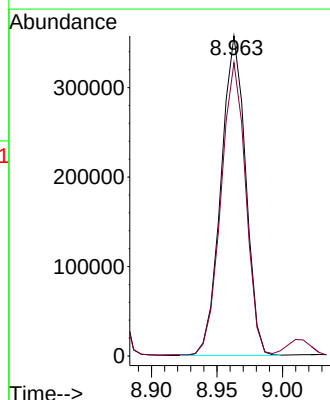
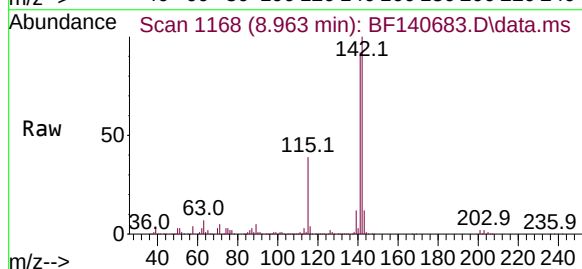
Acq: 02 Dec 2024 11:23

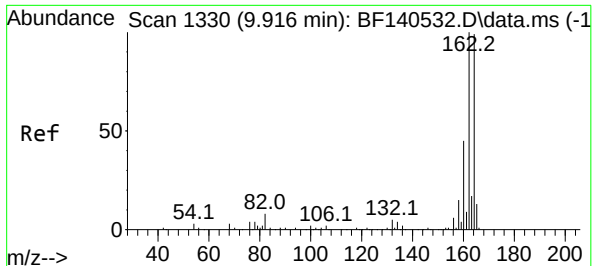
Tgt Ion:142 Resp: 466456

Ion Ratio Lower Upper

142 100

141 91.6 73.3 109.9





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.910 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF140683.D

Acq: 02 Dec 2024 11:23

Instrument :

BNA\_F

ClientSampleId :

PB165296BS

Tgt Ion:164 Resp: 181370

Ion Ratio Lower Upper

164 100

162 103.0 80.6 120.8

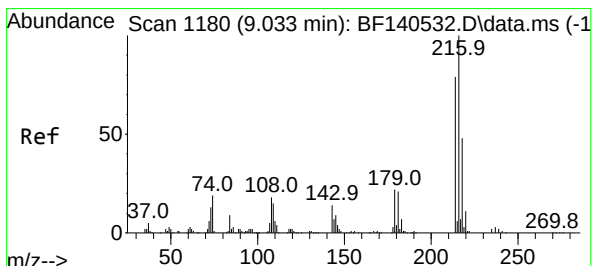
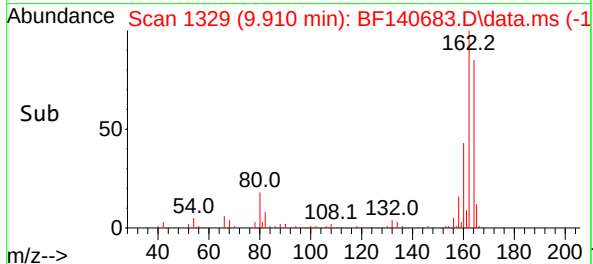
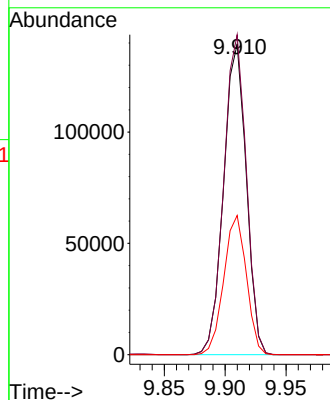
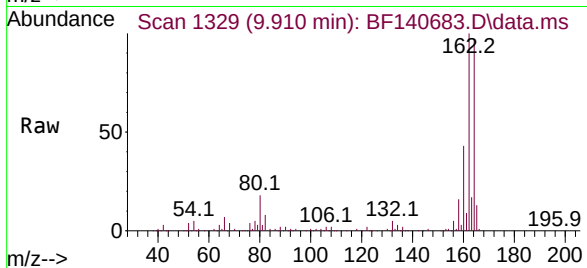
160 44.8 36.2 54.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/03/2024

Supervised By :mohammad ahmed 12/05/2024



#40

1,2,4,5-Tetrachlorobenzene

Concen: 45.985 ng

RT: 9.033 min Scan# 1180

Delta R.T. -0.000 min

Lab File: BF140683.D

Acq: 02 Dec 2024 11:23

Tgt Ion:216 Resp: 244163

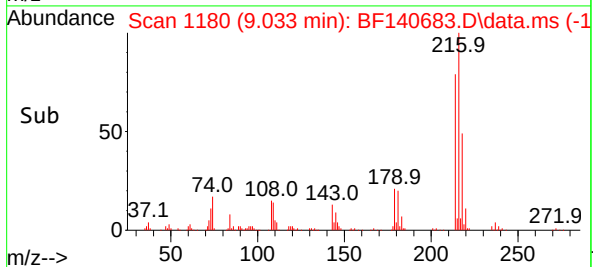
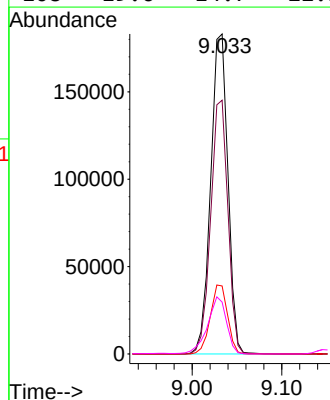
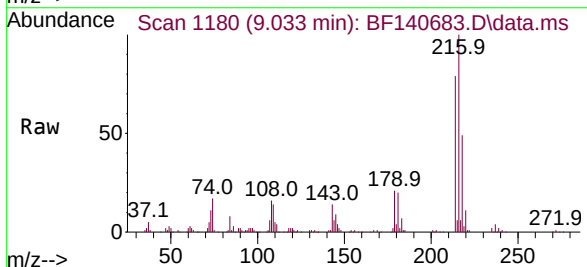
Ion Ratio Lower Upper

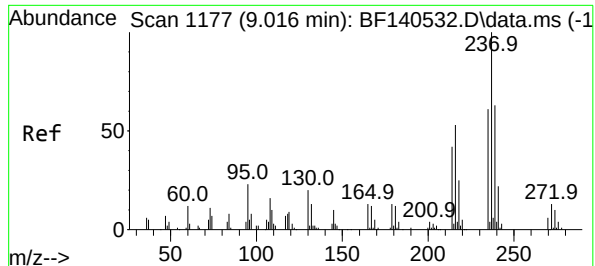
216 100

214 79.3 63.0 94.4

179 21.6 17.5 26.3

108 19.6 14.7 22.1





#41

Hexachlorocyclopentadiene

Concen: 155.740 ng

RT: 9.016 min Scan# 1177

Delta R.T. -0.000 min

Lab File: BF140683.D

Acq: 02 Dec 2024 11:23

Instrument :

BNA\_F

ClientSampleId :

PB165296BS

Tgt Ion:237 Resp: 194939

Ion Ratio Lower Upper

237 100

235 63.8 41.1 81.1

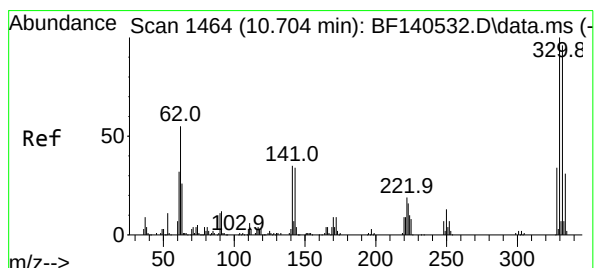
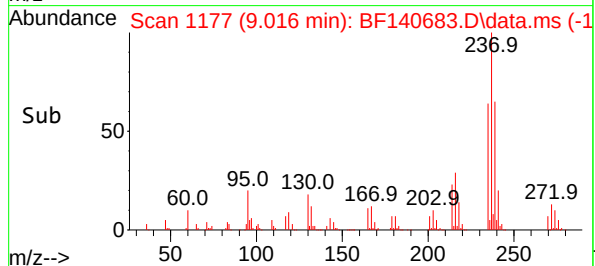
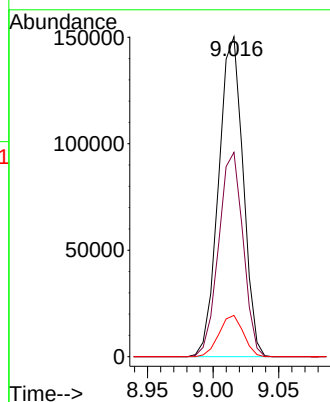
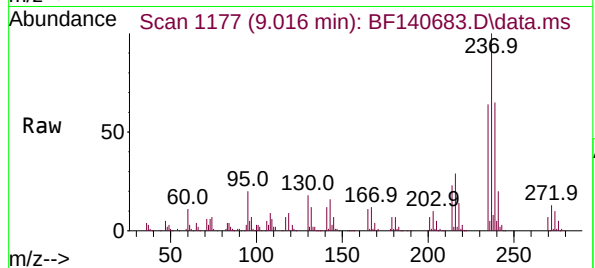
272 12.9 0.0 32.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/03/2024

Supervised By :mohammad ahmed 12/05/2024



#42

2,4,6-Tribromophenol

Concen: 134.150 ng

RT: 10.704 min Scan# 1464

Delta R.T. -0.000 min

Lab File: BF140683.D

Acq: 02 Dec 2024 11:23

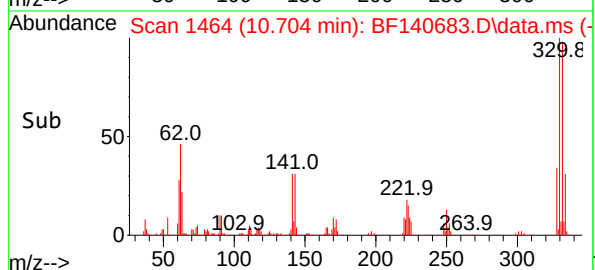
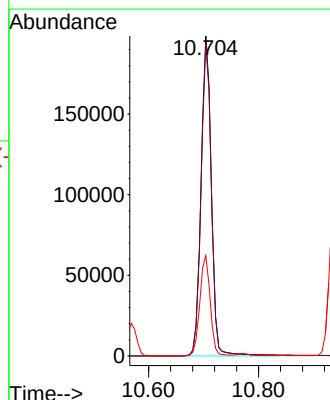
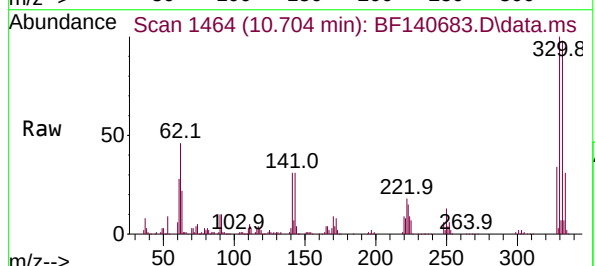
Tgt Ion:330 Resp: 260220

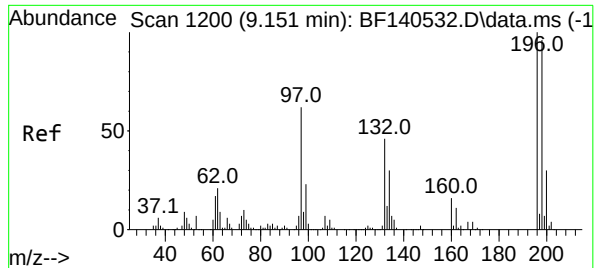
Ion Ratio Lower Upper

330 100

332 97.9 76.9 115.3

141 31.5 26.7 40.1





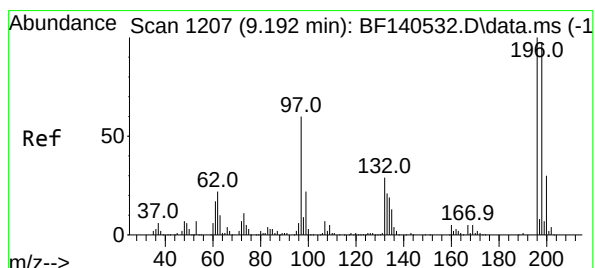
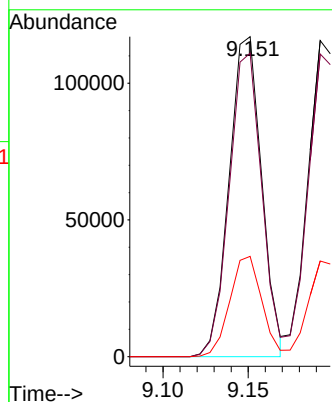
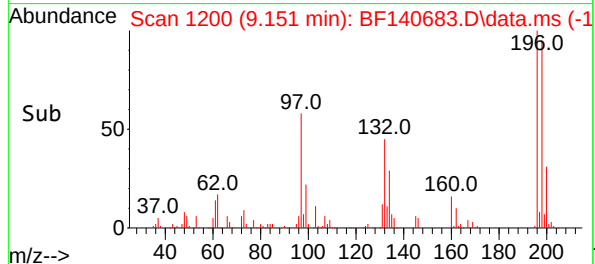
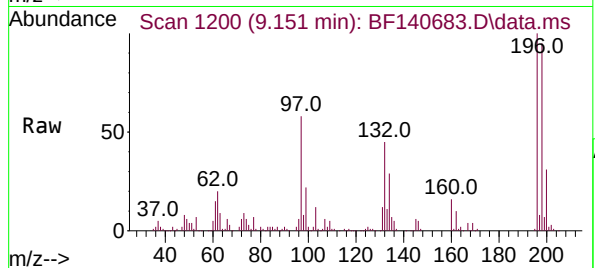
#43  
2,4,6-Trichlorophenol  
Concen: 46.658 ng  
RT: 9.151 min Scan# 1200  
Delta R.T. -0.000 min  
Lab File: BF140683.D  
Acq: 02 Dec 2024 11:23

Instrument :  
BNA\_F  
ClientSampleId :  
PB165296BS

Tgt Ion:196 Resp: 15545  
Ion Ratio Lower Upper  
196 100  
198 94.9 76.8 115.2  
200 31.4 24.3 36.5

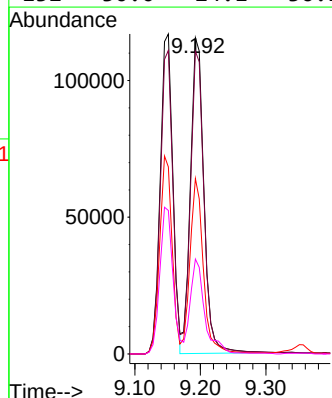
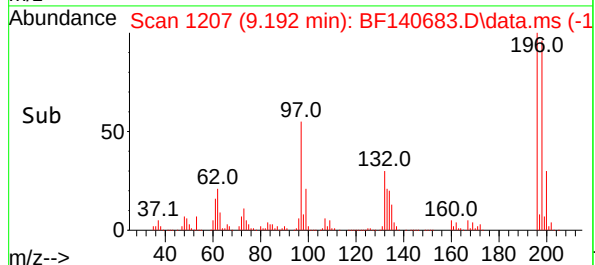
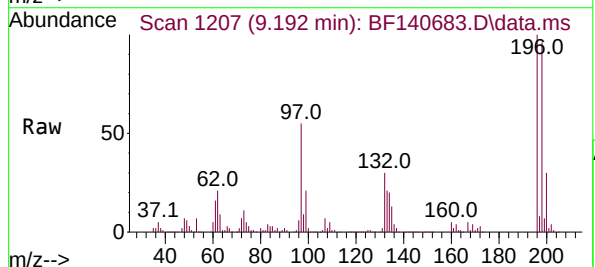
Manual Integrations  
APPROVED

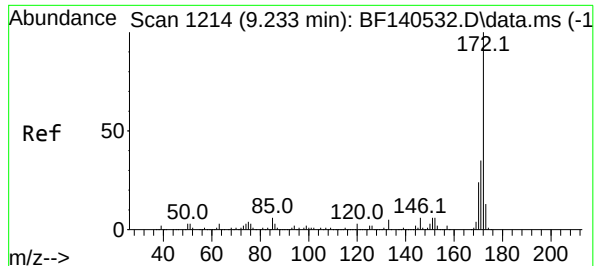
Reviewed By :Yogesh Patel 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024



#44  
2,4,5-Trichlorophenol  
Concen: 45.541 ng  
RT: 9.192 min Scan# 1207  
Delta R.T. -0.000 min  
Lab File: BF140683.D  
Acq: 02 Dec 2024 11:23

Tgt Ion:196 Resp: 164672  
Ion Ratio Lower Upper  
196 100  
198 95.8 77.2 115.8  
97 55.5 47.1 70.7  
132 30.0 24.1 36.1





#45

2-Fluorobiphenyl

Concen: 87.557 ng

RT: 9.228 min Scan# 1213

Delta R.T. -0.006 min

Lab File: BF140683.D

Acq: 02 Dec 2024 11:23

Instrument :

BNA\_F

ClientSampleId :

PB165296BS

Tgt Ion:172 Resp: 106583

Ion Ratio Lower Upper

172 100

171 35.7 28.4 42.6

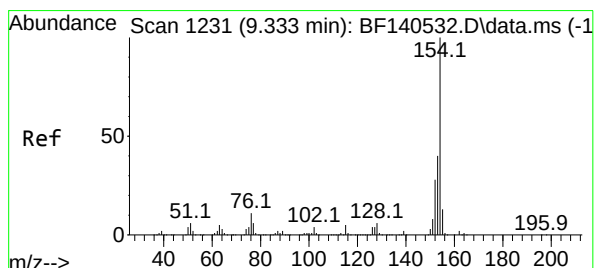
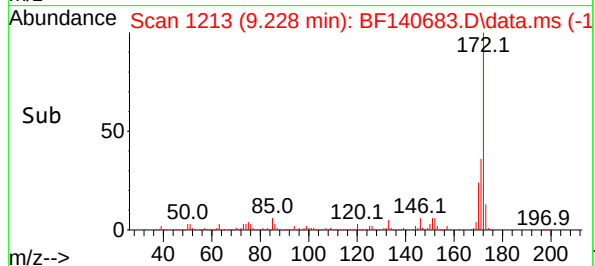
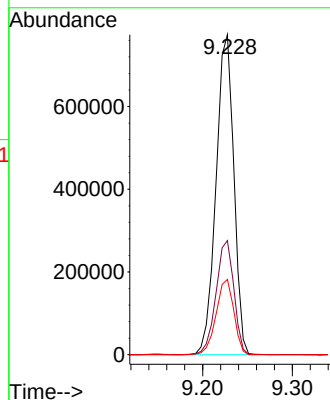
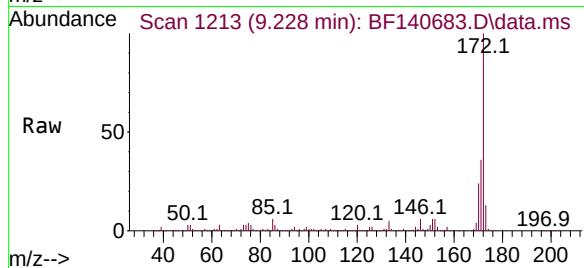
170 23.5 19.0 28.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/03/2024

Supervised By :mohammad ahmed 12/05/2024



#46

1,1'-Biphenyl

Concen: 46.844 ng

RT: 9.328 min Scan# 1230

Delta R.T. -0.006 min

Lab File: BF140683.D

Acq: 02 Dec 2024 11:23

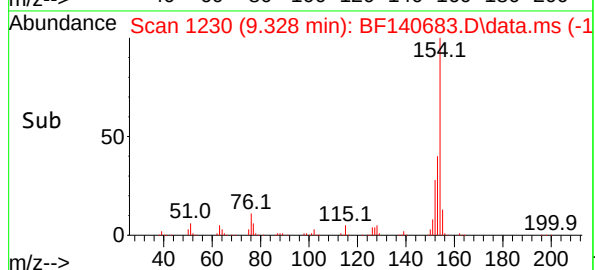
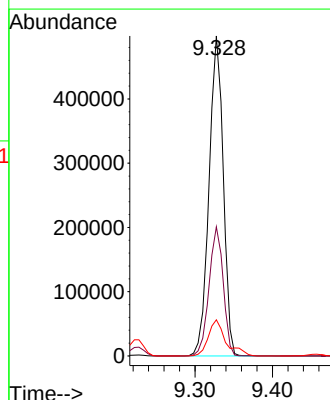
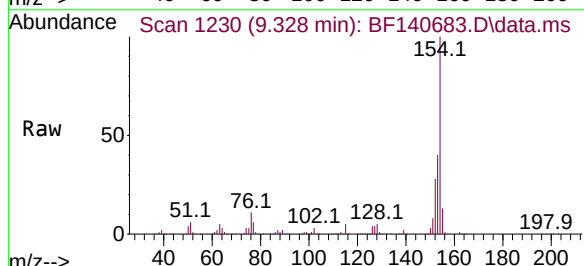
Tgt Ion:154 Resp: 634327

Ion Ratio Lower Upper

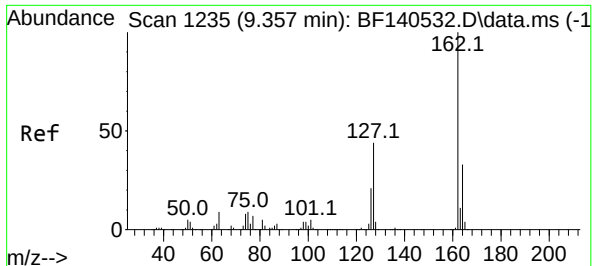
154 100

153 40.3 20.4 60.4

76 11.3 0.0 31.2







#47

2-Chloronaphthalene

Concen: 46.341 ng

RT: 9.357 min Scan# 1235

Delta R.T. -0.000 min

Lab File: BF140683.D

Acq: 02 Dec 2024 11:23

Instrument :

BNA\_F

ClientSampleId :

PB165296BS

Tgt Ion:162 Resp: 475480

Ion Ratio Lower Upper

162 100

127 43.0 35.7 53.5

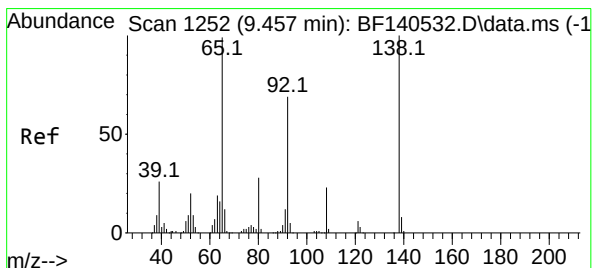
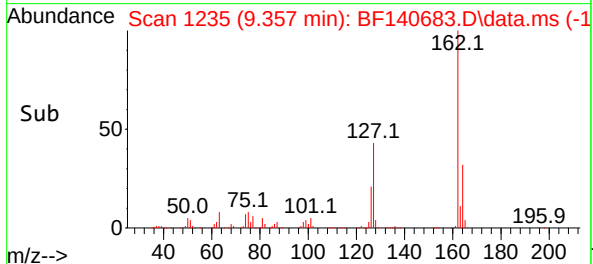
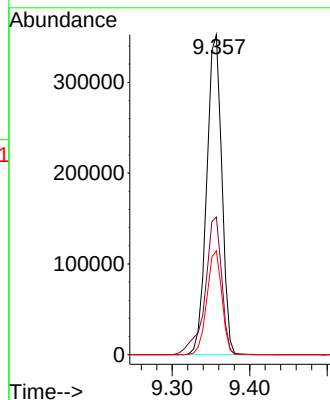
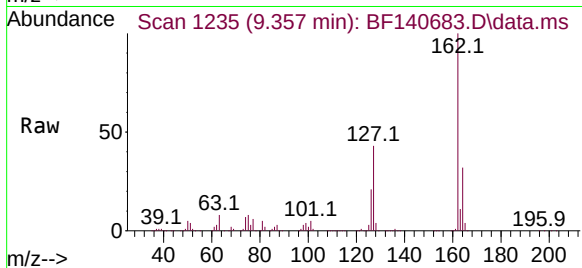
164 32.5 26.1 39.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/03/2024

Supervised By :mohammad ahmed 12/05/2024



#48

2-Nitroaniline

Concen: 47.093 ng

RT: 9.457 min Scan# 1252

Delta R.T. -0.000 min

Lab File: BF140683.D

Acq: 02 Dec 2024 11:23

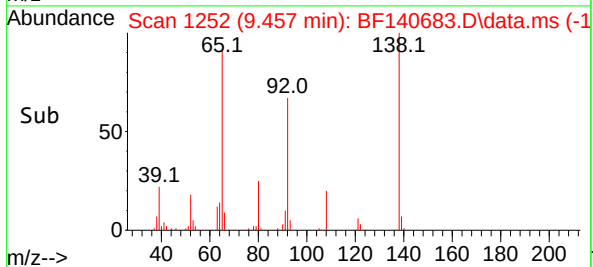
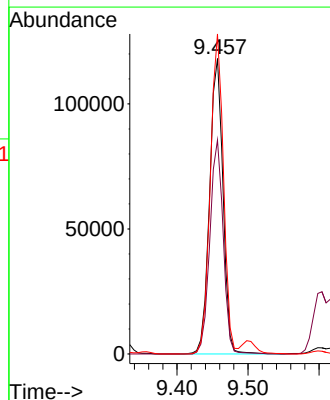
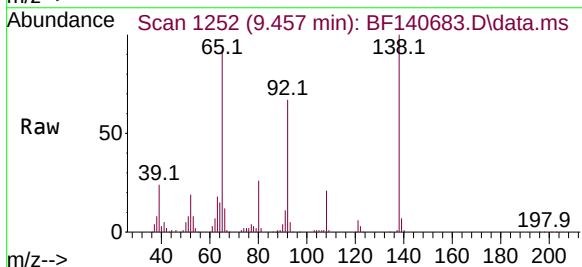
Tgt Ion: 65 Resp: 155098

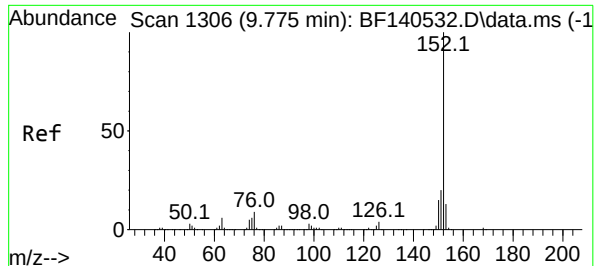
Ion Ratio Lower Upper

65 100

92 72.4 56.1 84.1

138 108.3 81.0 121.6





#49

Acenaphthylene

Concen: 49.703 ng

RT: 9.769 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF140683.D

Acq: 02 Dec 2024 11:23

Instrument :

BNA\_F

ClientSampleId :

PB165296BS

Tgt Ion:152 Resp: 77053

Ion Ratio Lower Upper

152 100

151 20.3 15.9 23.9

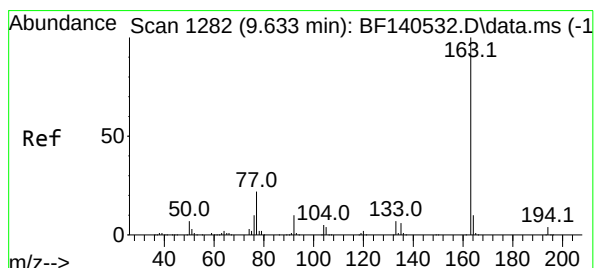
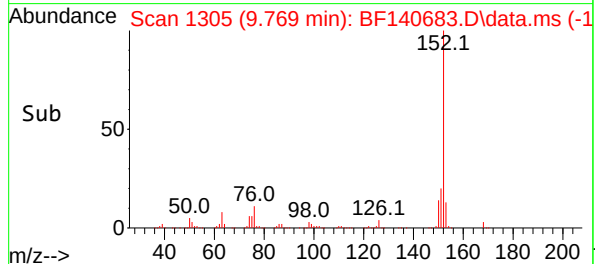
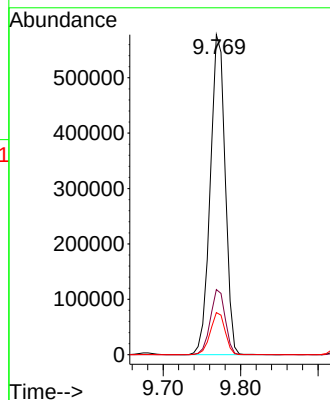
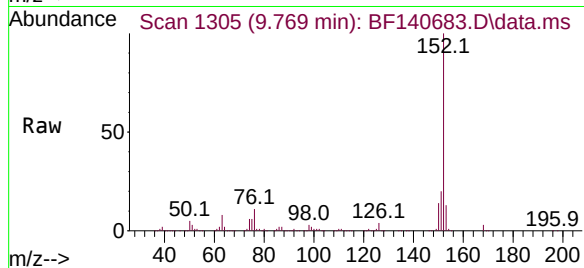
153 13.2 10.6 16.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/03/2024

Supervised By :mohammad ahmed 12/05/2024



#50

Dimethylphthalate

Concen: 47.608 ng

RT: 9.628 min Scan# 1281

Delta R.T. -0.006 min

Lab File: BF140683.D

Acq: 02 Dec 2024 11:23

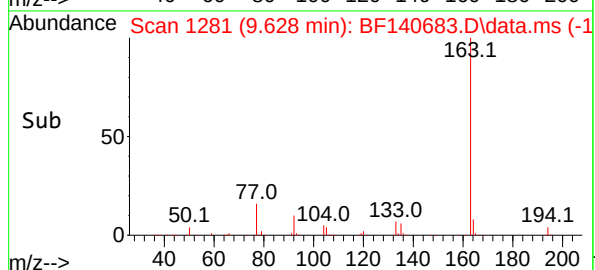
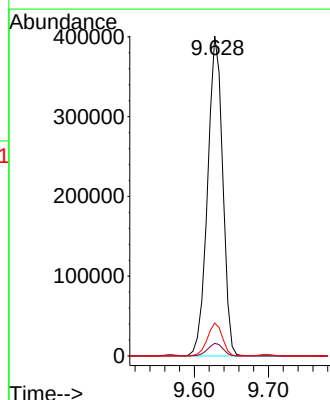
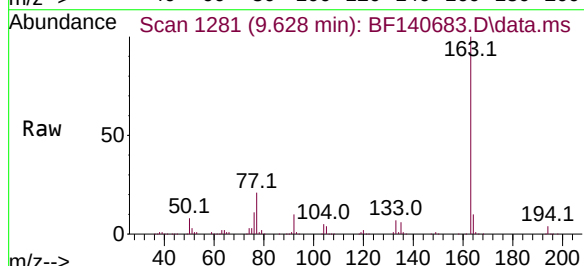
Tgt Ion:163 Resp: 568671

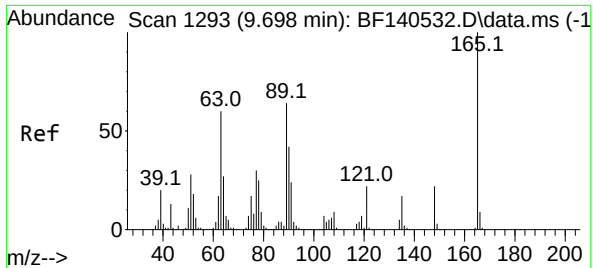
Ion Ratio Lower Upper

163 100

194 3.9 3.1 4.7

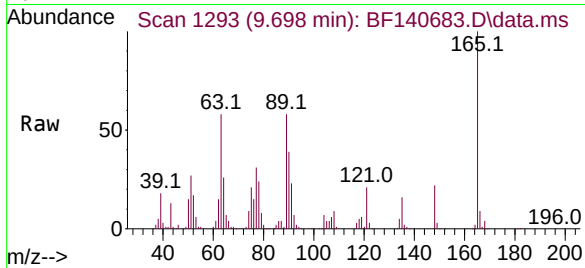
164 10.3 8.2 12.2





#51  
2,6-Dinitrotoluene  
Concen: 45.051 ng  
RT: 9.698 min Scan# 1293  
Delta R.T. -0.000 min  
Lab File: BF140683.D  
Acq: 02 Dec 2024 11:23

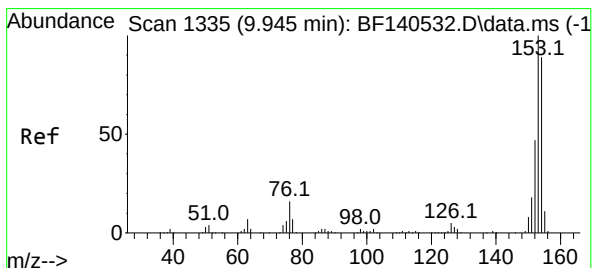
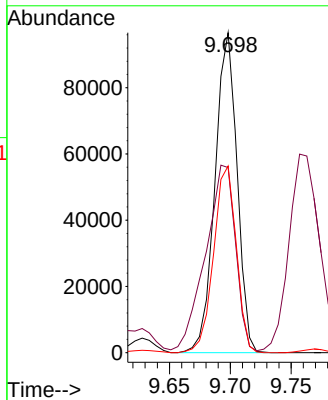
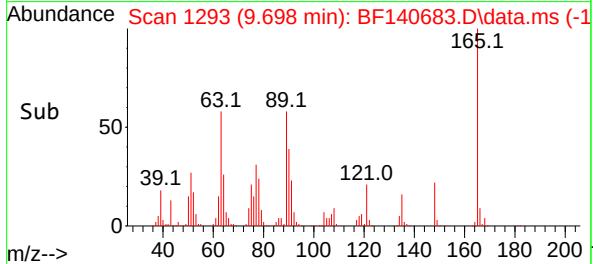
Instrument :  
BNA\_F  
ClientSampleId :  
PB165296BS



Tgt Ion:165 Resp: 12204  
Ion Ratio Lower Upper  
165 100  
63 57.8 49.9 74.9  
89 58.4 50.9 76.3

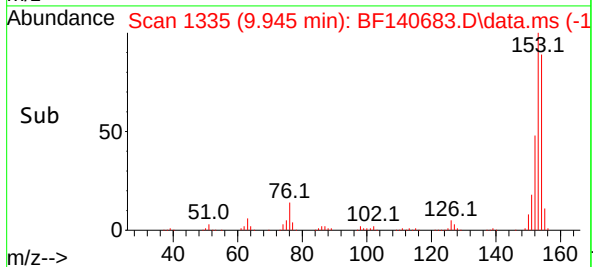
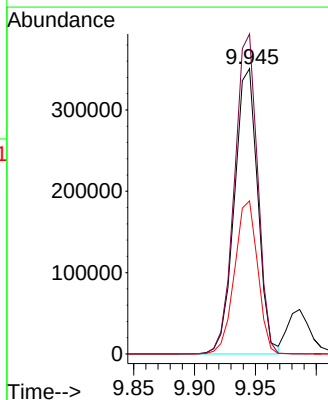
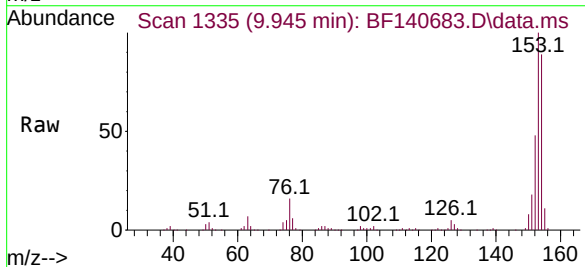
Manual Integrations  
APPROVED

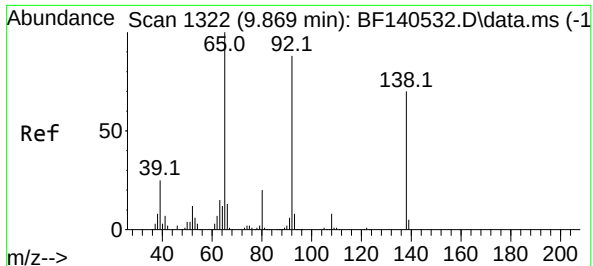
Reviewed By :Yogesh Patel 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024



#52  
Acenaphthene  
Concen: 47.620 ng  
RT: 9.945 min Scan# 1335  
Delta R.T. -0.000 min  
Lab File: BF140683.D  
Acq: 02 Dec 2024 11:23

Tgt Ion:154 Resp: 469075  
Ion Ratio Lower Upper  
154 100  
153 112.1 89.7 134.5  
152 53.6 42.5 63.7





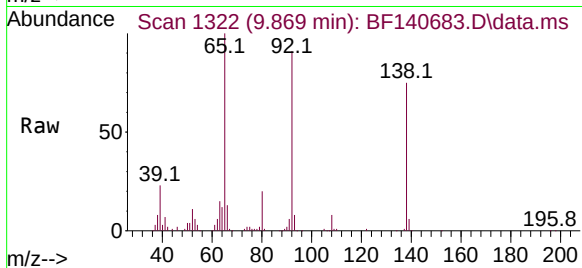
#53  
3-Nitroaniline  
Concen: 29.170 ng  
RT: 9.869 min Scan# 1322  
Delta R.T. -0.000 min  
Lab File: BF140683.D  
Acq: 02 Dec 2024 11:23

Instrument :

BNA\_F

ClientSampleId :

PB165296BS

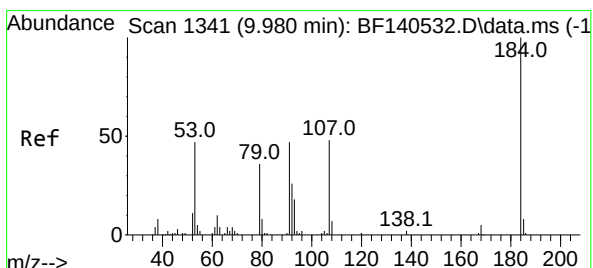
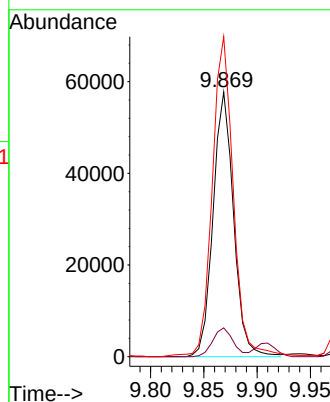
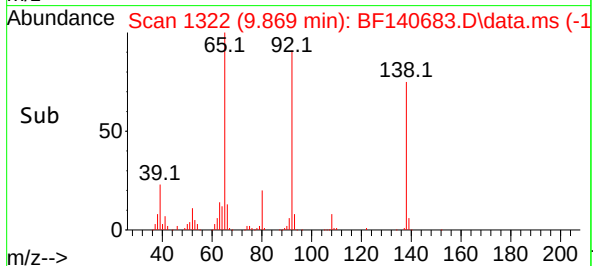


Tgt Ion:138 Resp: 7728  
Ion Ratio Lower Upper  
138 100  
108 10.9 9.2 13.8  
92 120.9 100.6 150.8

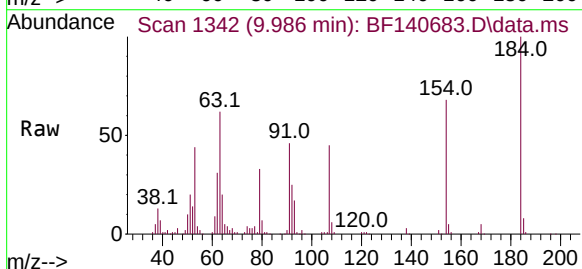
Manual Integrations

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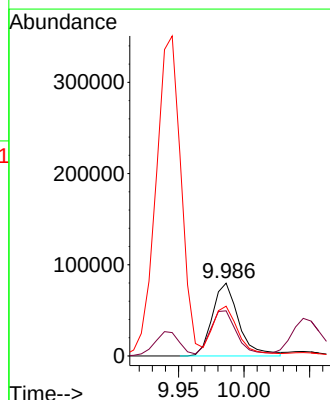
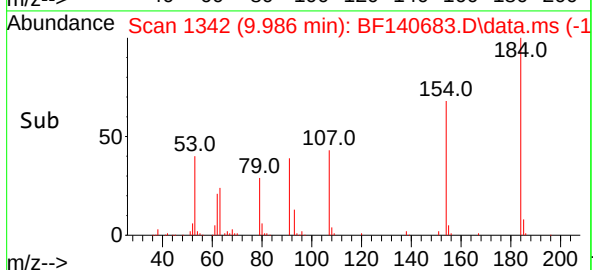
Reviewed By :Yogesh Patel 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024

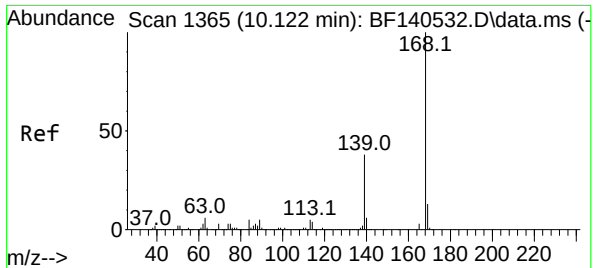


#54  
2,4-Dinitrophenol  
Concen: 79.626 ng  
RT: 9.986 min Scan# 1342  
Delta R.T. 0.006 min  
Lab File: BF140683.D  
Acq: 02 Dec 2024 11:23



Tgt Ion:184 Resp: 111661  
Ion Ratio Lower Upper  
184 100  
63 62.0 54.1 81.1  
154 68.5 57.4 86.0





#55

Dibenzenofuran

Concen: 47.424 ng

RT: 10.116 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF140683.D

Acq: 02 Dec 2024 11:23

Instrument :

BNA\_F

ClientSampleId :

PB165296BS

Tgt Ion:168 Resp: 71254

Ion Ratio Lower Upper

168 100

139 39.0 31.3 46.9

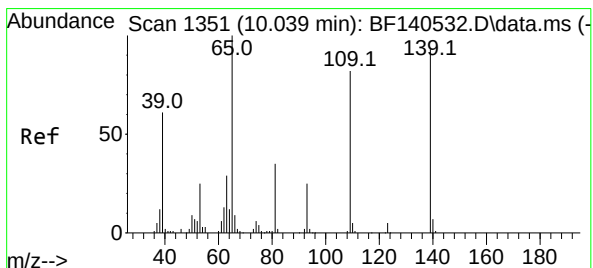
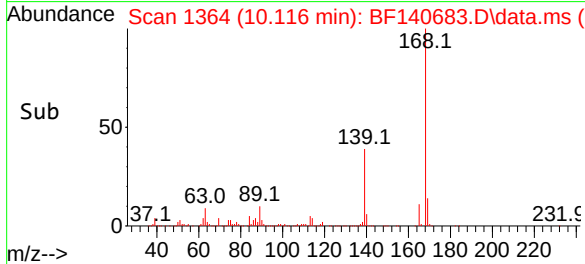
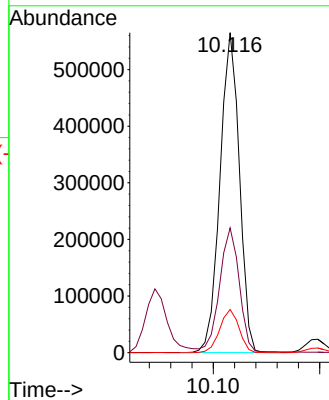
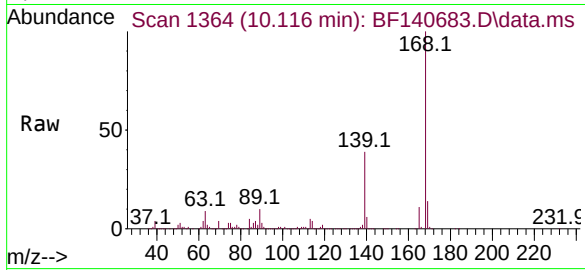
169 13.5 10.5 15.7

Manual Integrations

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Reviewed By :Yogesh Patel 12/03/2024

Supervised By :mohammad ahmed 12/05/2024



#56

4-Nitrophenol

Concen: 89.650 ng

RT: 10.045 min Scan# 1352

Delta R.T. 0.006 min

Lab File: BF140683.D

Acq: 02 Dec 2024 11:23

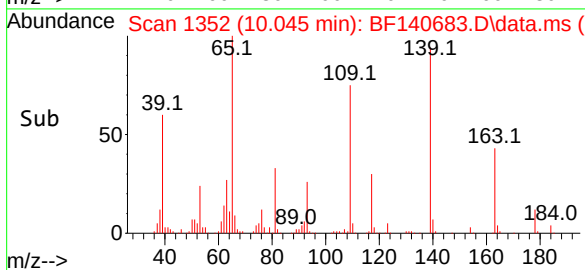
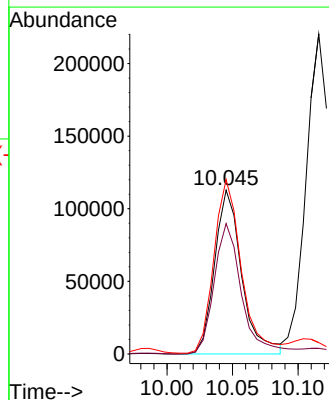
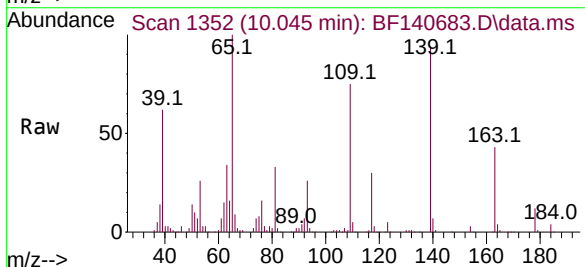
Tgt Ion:139 Resp: 161998

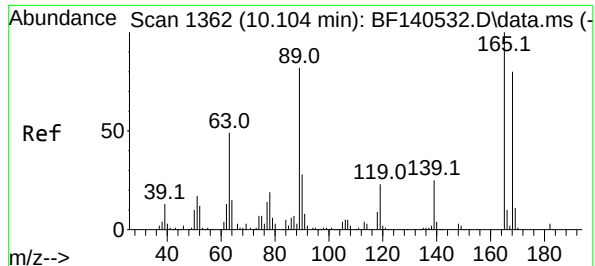
Ion Ratio Lower Upper

139 100

109 79.6 68.4 108.4

65 106.5 88.6 128.6





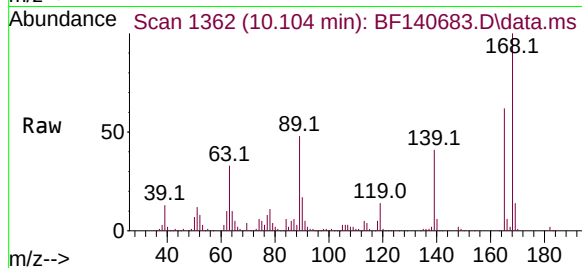
#57  
2,4-Dinitrotoluene  
Concen: 48.213 ng  
RT: 10.104 min Scan# 1362  
Delta R.T. -0.000 min  
Lab File: BF140683.D  
Acq: 02 Dec 2024 11:23

Instrument :

BNA\_F

ClientSampleId :

PB165296BS

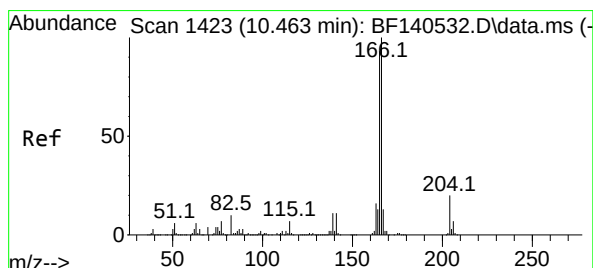
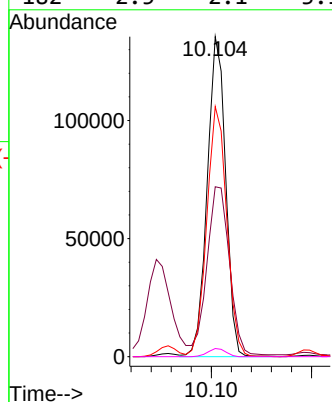
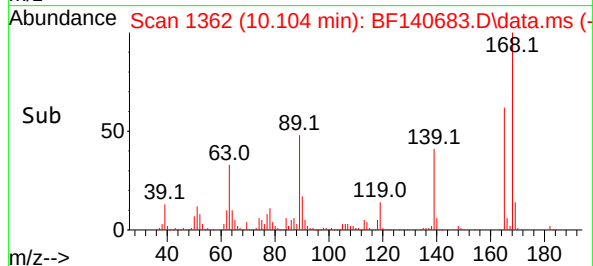


Tgt Ion:165 Resp: 17358  
Ion Ratio Lower Upper  
165 100  
63 53.1 41.7 62.5  
89 78.1 65.8 98.8  
182 2.5 2.1 3.1

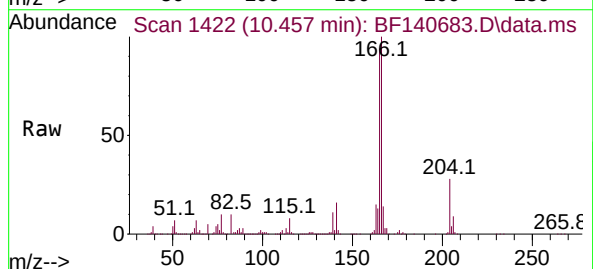
Manual Integrations

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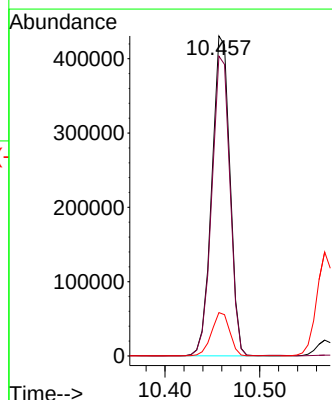
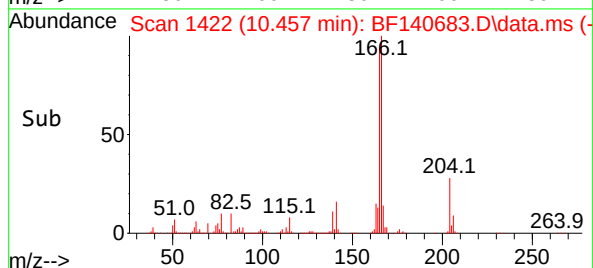
Reviewed By :Yogesh Patel 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024

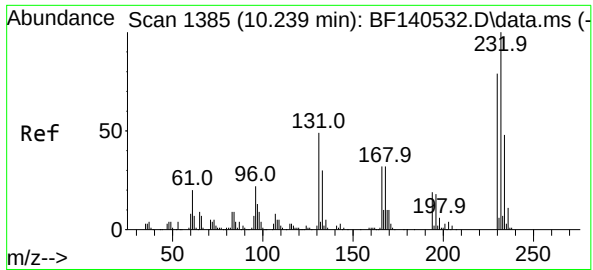


#58  
Fluorene  
Concen: 47.278 ng  
RT: 10.457 min Scan# 1422  
Delta R.T. -0.006 min  
Lab File: BF140683.D  
Acq: 02 Dec 2024 11:23



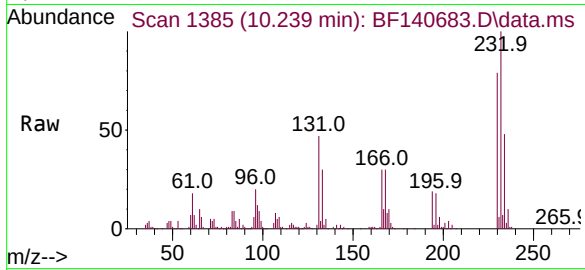
Tgt Ion:166 Resp: 570177  
Ion Ratio Lower Upper  
166 100  
165 93.7 74.6 111.8  
167 13.6 10.6 16.0





#59  
2,3,4,6-Tetrachlorophenol  
Concen: 51.455 ng  
RT: 10.239 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BF140683.D  
Acq: 02 Dec 2024 11:23

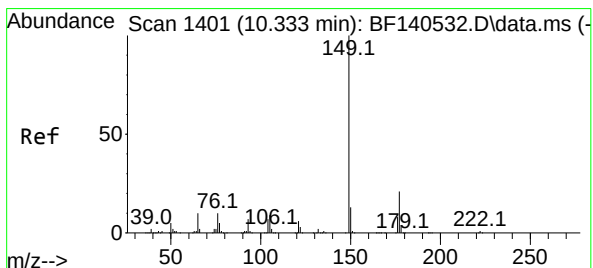
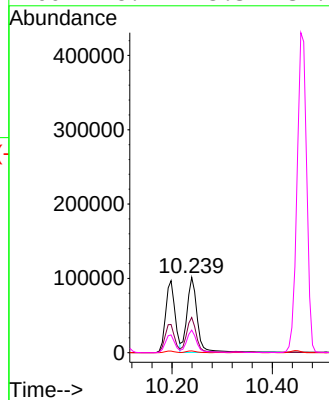
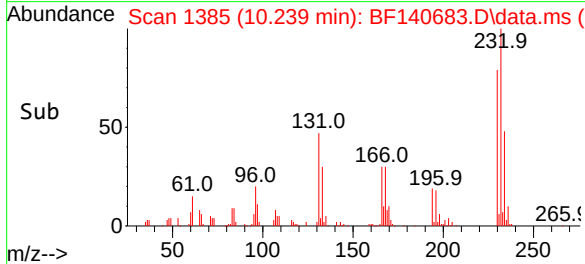
Instrument :  
BNA\_F  
ClientSampleId :  
PB165296BS



Tgt Ion:232 Resp: 14299  
Ion Ratio Lower Upper  
232 100  
131 43.8 39.6 59.4  
130 2.4 1.9 2.9  
166 28.1 25.3 37.9

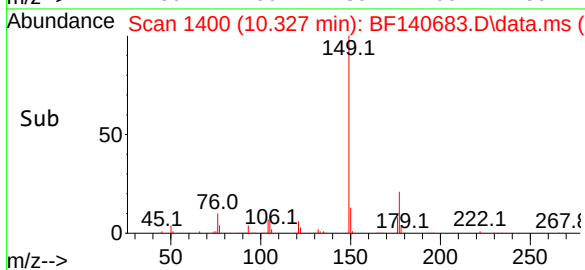
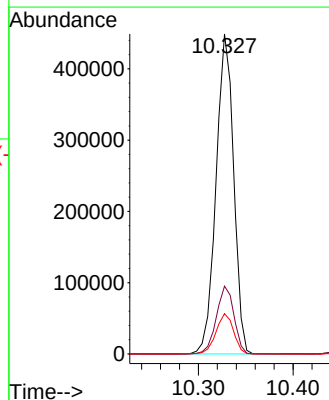
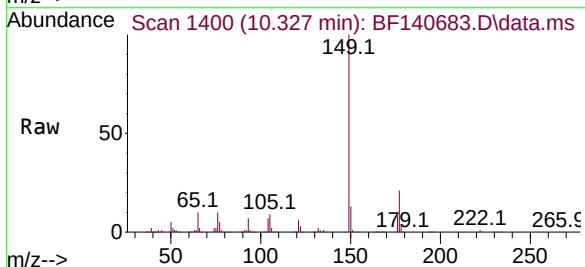
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APPROVED

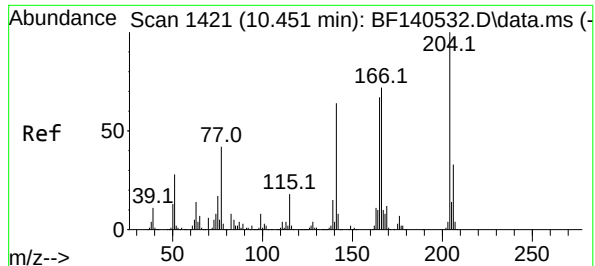
Reviewed By :Yogesh Patel 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024



#60  
Diethylphthalate  
Concen: 47.811 ng  
RT: 10.327 min Scan# 1400  
Delta R.T. -0.006 min  
Lab File: BF140683.D  
Acq: 02 Dec 2024 11:23

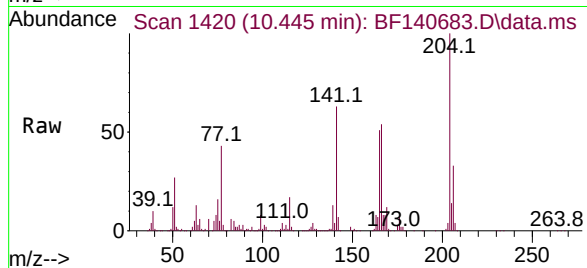
Tgt Ion:149 Resp: 580252  
Ion Ratio Lower Upper  
149 100  
177 21.2 17.1 25.7  
150 12.6 10.1 15.1





#61  
4-Chlorophenyl-phenylether  
Concen: 46.744 ng  
RT: 10.445 min Scan# 1421  
Delta R.T. -0.006 min  
Lab File: BF140683.D  
Acq: 02 Dec 2024 11:23

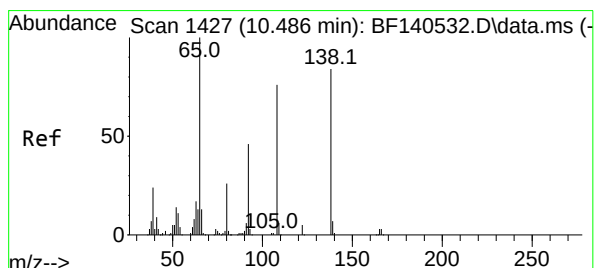
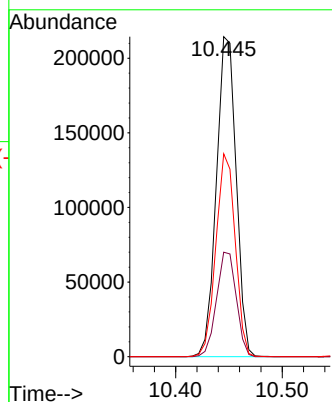
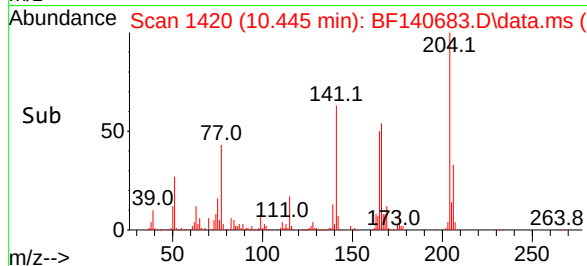
Instrument :  
BNA\_F  
ClientSampleId :  
PB165296BS



Tgt Ion:204 Resp: 27665  
Ion Ratio Lower Upper  
204 100  
206 32.7 26.6 40.0  
141 63.4 51.1 76.7

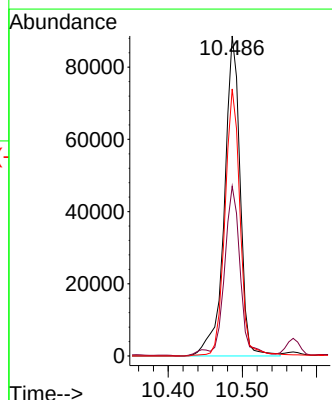
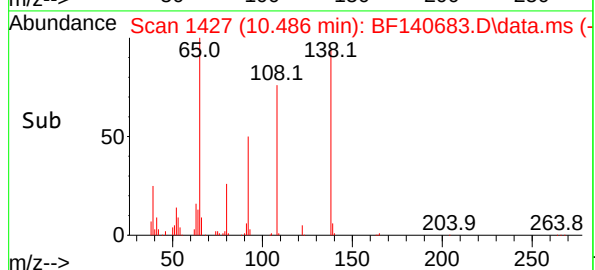
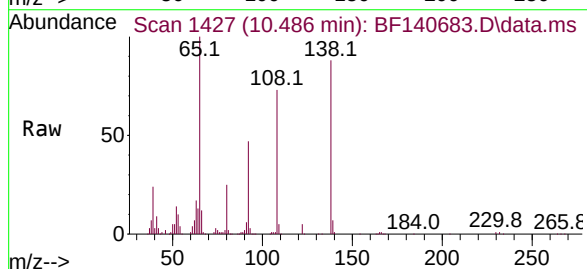
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024

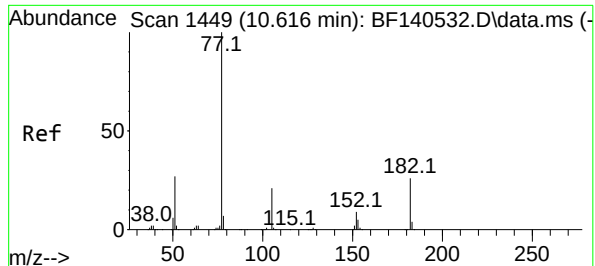


#62  
4-Nitroaniline  
Concen: 47.167 ng  
RT: 10.486 min Scan# 1427  
Delta R.T. -0.000 min  
Lab File: BF140683.D  
Acq: 02 Dec 2024 11:23

Tgt Ion:138 Resp: 131072  
Ion Ratio Lower Upper  
138 100  
92 53.0 34.5 74.5  
108 83.4 70.6 110.6

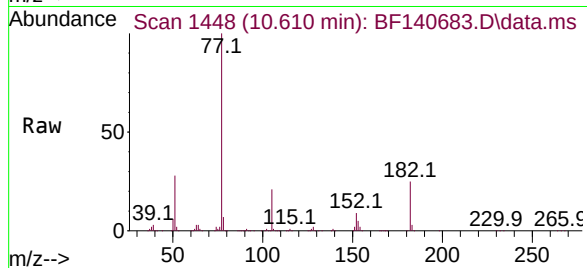






#63  
Azobenzene  
Concen: 47.316 ng  
RT: 10.610 min Scan# 1449  
Delta R.T. -0.006 min  
Lab File: BF140683.D  
Acq: 02 Dec 2024 11:23

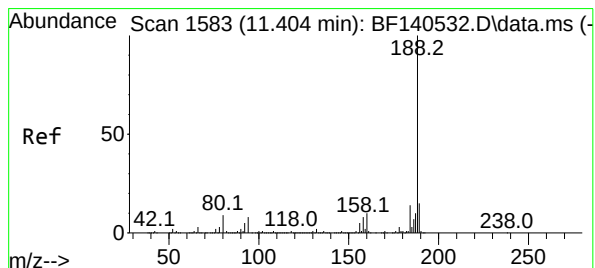
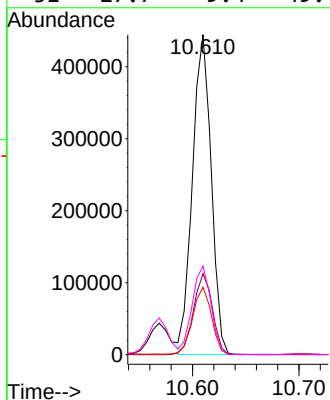
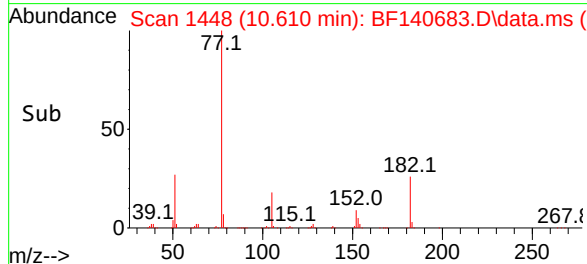
Instrument :  
BNA\_F  
ClientSampleId :  
PB165296BS



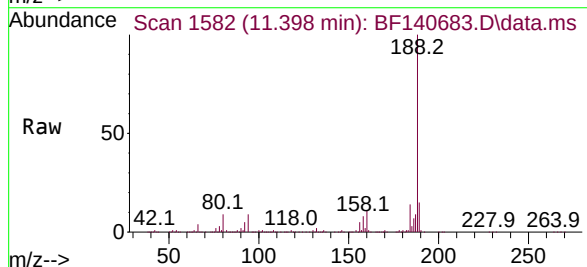
Tgt Ion: 77 Resp: 543798  
Ion Ratio Lower Upper  
77 100  
182 25.3 5.3 45.3  
105 21.0 0.3 40.3  
51 27.7 9.4 49.4

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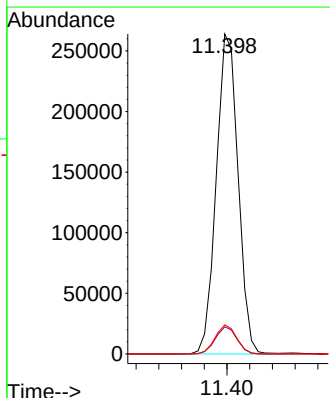
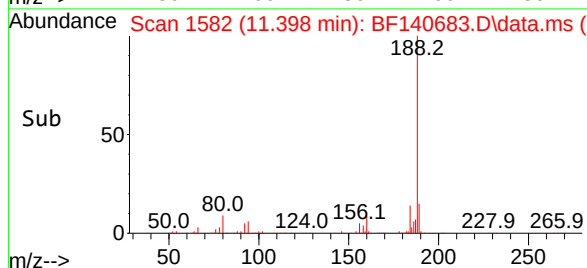
Reviewed By :Yogesh Patel 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024

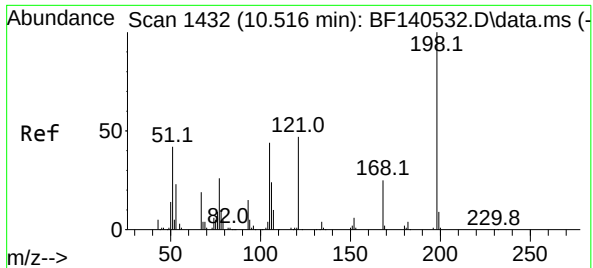


#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.398 min Scan# 1582  
Delta R.T. -0.006 min  
Lab File: BF140683.D  
Acq: 02 Dec 2024 11:23



Tgt Ion:188 Resp: 351850  
Ion Ratio Lower Upper  
188 100  
94 8.5 6.4 9.6  
80 9.1 6.9 10.3





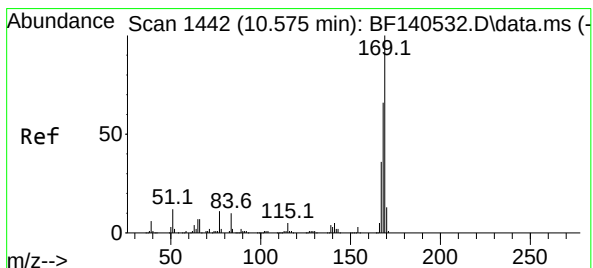
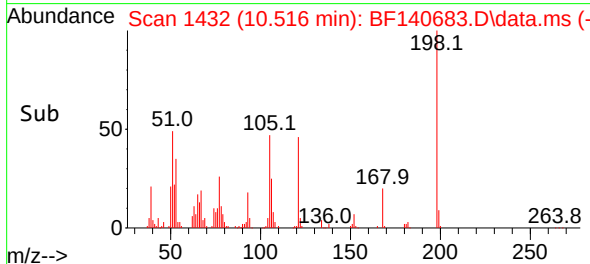
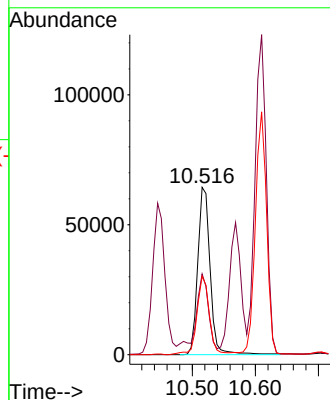
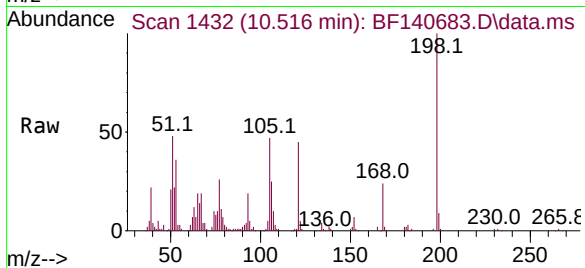
#65  
4,6-Dinitro-2-methylphenol  
Concen: 48.901 ng  
RT: 10.516 min Scan# 1432  
Delta R.T. -0.000 min  
Lab File: BF140683.D  
Acq: 02 Dec 2024 11:23

Instrument :  
BNA\_F  
ClientSampleId :  
PB165296BS

Tgt Ion:198 Resp: 87920  
Ion Ratio Lower Upper  
198 100  
51 48.3 29.4 69.4  
105 46.9 25.4 65.4

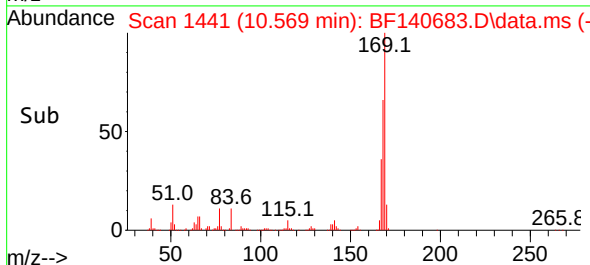
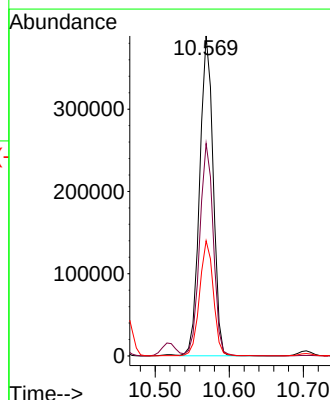
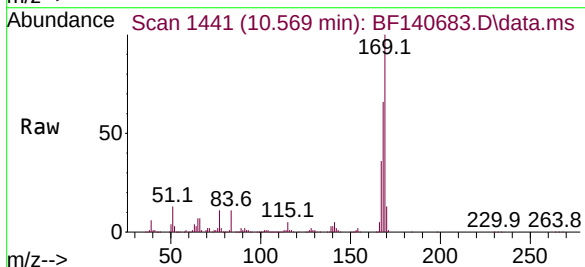
Manual Integrations  
APPROVED

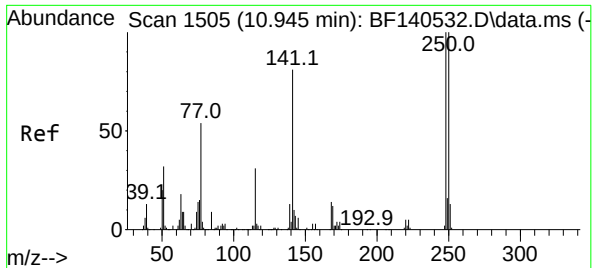
Reviewed By :Yogesh Patel 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024



#66  
n-Nitrosodiphenylamine  
Concen: 47.150 ng  
RT: 10.569 min Scan# 1441  
Delta R.T. -0.006 min  
Lab File: BF140683.D  
Acq: 02 Dec 2024 11:23

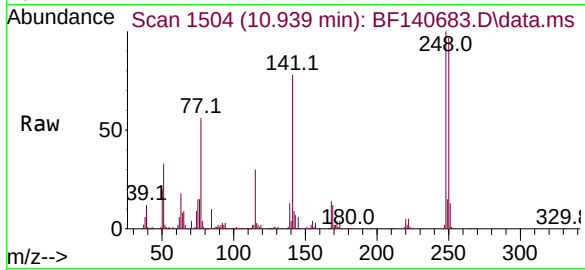
Tgt Ion:169 Resp: 490603  
Ion Ratio Lower Upper  
169 100  
168 66.4 53.2 79.8  
167 36.0 29.0 43.6





#67  
4-Bromophenyl-phenylether  
Concen: 45.773 ng  
RT: 10.939 min Scan# 1504  
Delta R.T. -0.006 min  
Lab File: BF140683.D  
Acq: 02 Dec 2024 11:23

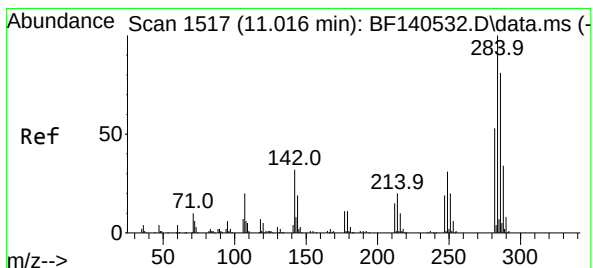
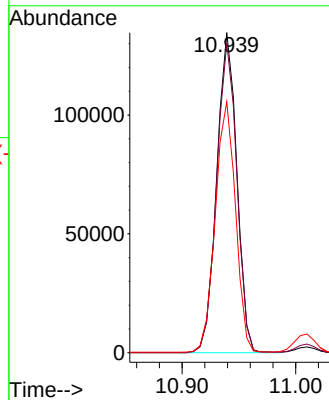
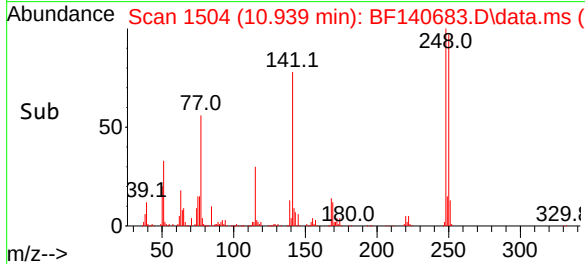
Instrument :  
BNA\_F  
ClientSampleId :  
PB165296BS



Tgt Ion:248 Resp: 165858  
Ion Ratio Lower Upper  
248 100  
250 96.8 79.8 119.8  
141 78.4 64.7 97.1

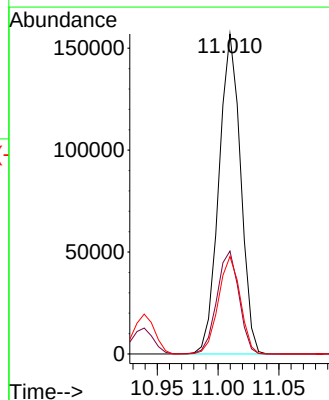
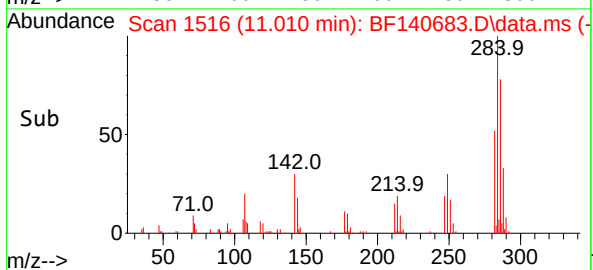
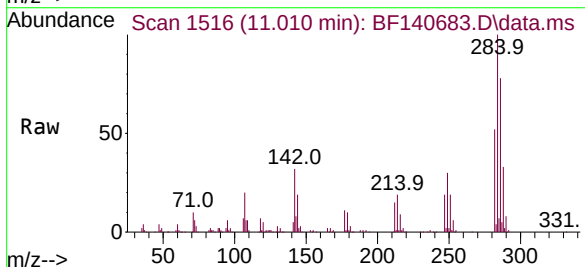
Manual Integrations  
APPROVED

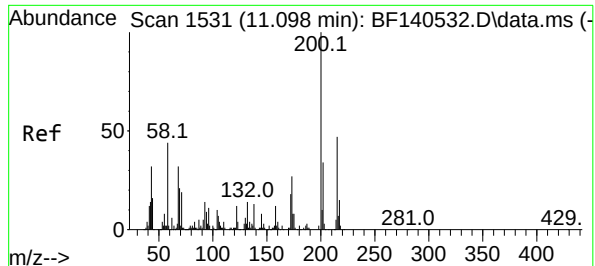
Reviewed By :Yogesh Patel 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024



#68  
Hexachlorobenzene  
Concen: 46.379 ng  
RT: 11.010 min Scan# 1516  
Delta R.T. -0.006 min  
Lab File: BF140683.D  
Acq: 02 Dec 2024 11:23

Tgt Ion:284 Resp: 194592  
Ion Ratio Lower Upper  
284 100  
142 32.2 25.3 37.9  
249 30.5 24.8 37.2





#69

Atrazine

Concen: 56.269 ng

RT: 11.098 min Scan# 1531

Delta R.T. -0.000 min

Lab File: BF140683.D

Acq: 02 Dec 2024 11:23

Instrument :

BNA\_F

ClientSampleId :

PB165296BS

Tgt Ion:200 Resp: 164709

Ion Ratio Lower Upper

200 100

173 26.7 7.0 47.0

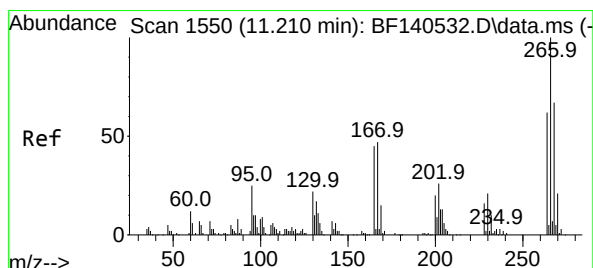
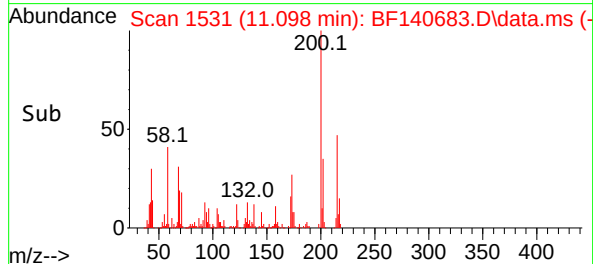
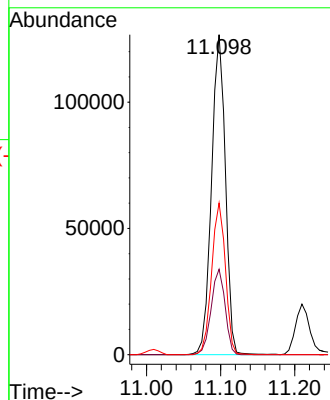
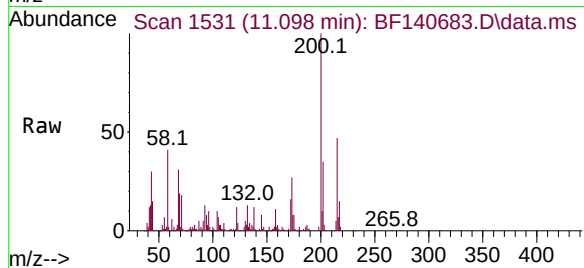
215 47.4 26.7 66.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/03/2024

Supervised By :mohammad ahmed 12/05/2024



#70

Pentachlorophenol

Concen: 86.384 ng

RT: 11.210 min Scan# 1550

Delta R.T. -0.000 min

Lab File: BF140683.D

Acq: 02 Dec 2024 11:23

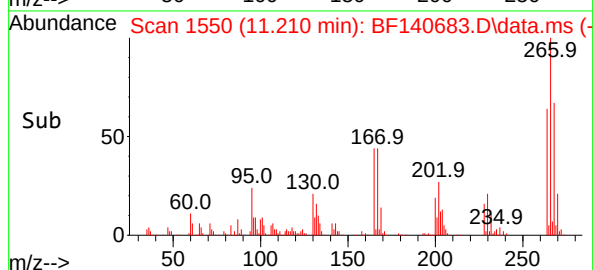
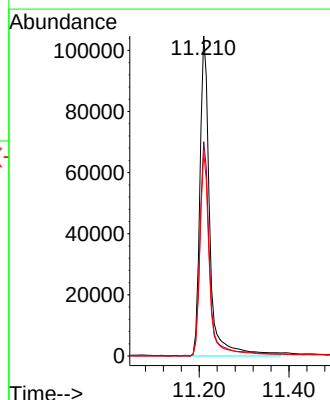
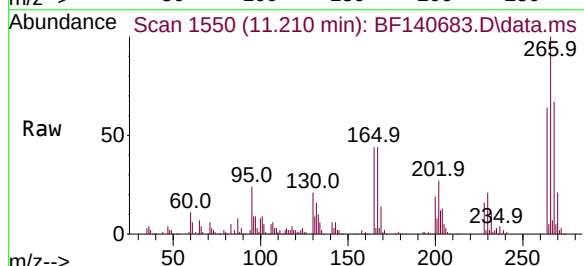
Tgt Ion:266 Resp: 159519

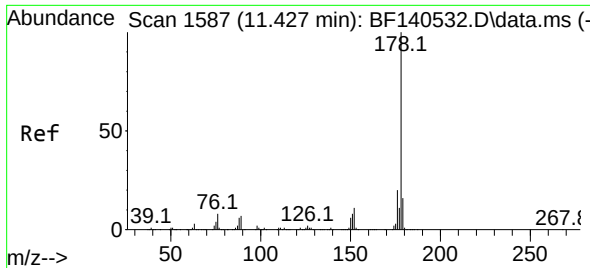
Ion Ratio Lower Upper

266 100

268 67.0 53.7 80.5

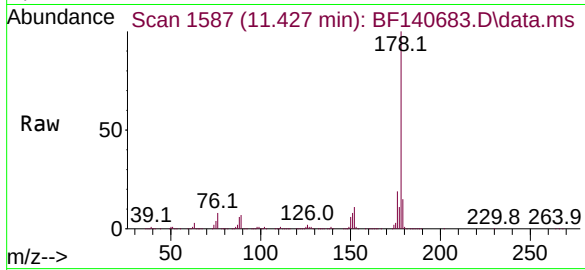
264 63.6 49.8 74.8





#71  
Phenanthrene  
Concen: 47.608 ng  
RT: 11.427 min Scan# 1587  
Delta R.T. -0.000 min  
Lab File: BF140683.D  
Acq: 02 Dec 2024 11:23

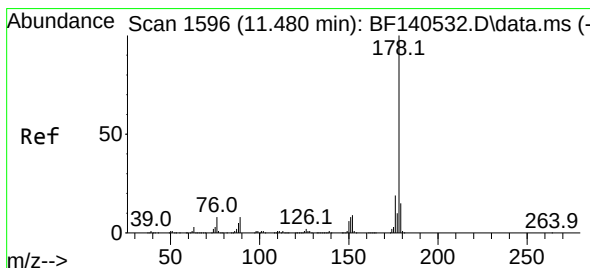
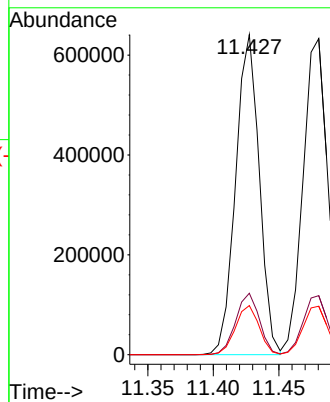
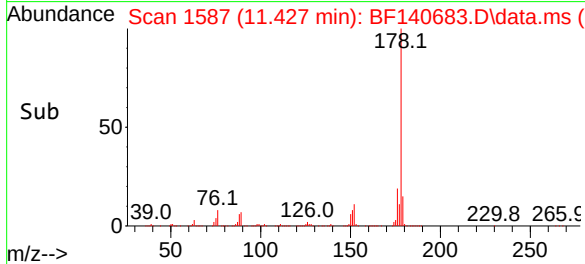
Instrument :  
BNA\_F  
ClientSampleId :  
PB165296BS



Tgt Ion:178 Resp: 80519  
Ion Ratio Lower Upper  
178 100  
176 19.2 15.8 23.6  
179 15.4 12.4 18.6

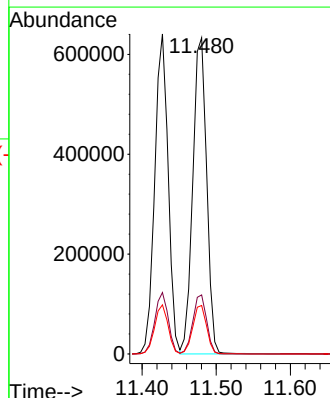
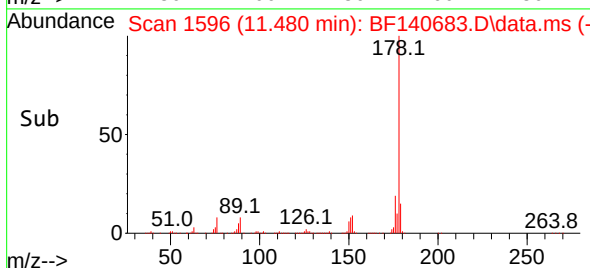
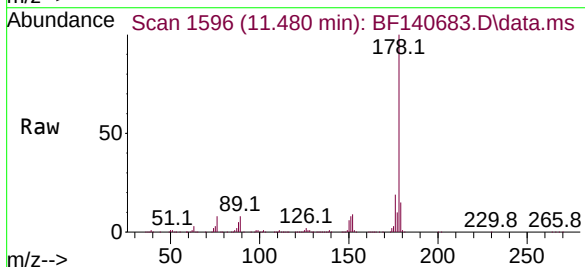
Manual Integrations  
APPROVED

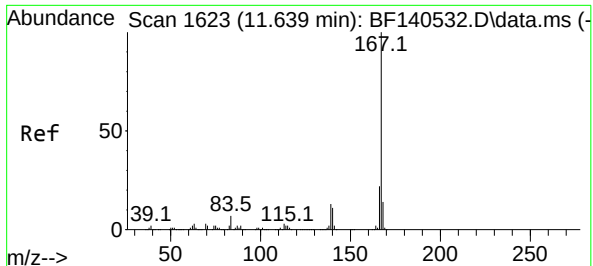
Reviewed By :Yogesh Patel 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024



#72  
Anthracene  
Concen: 49.701 ng  
RT: 11.480 min Scan# 1596  
Delta R.T. -0.000 min  
Lab File: BF140683.D  
Acq: 02 Dec 2024 11:23

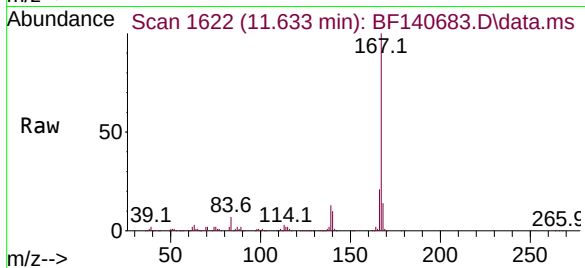
Tgt Ion:178 Resp: 822267  
Ion Ratio Lower Upper  
178 100  
176 18.7 15.0 22.4  
179 15.3 12.2 18.4





#73  
Carbazole  
Concen: 48.339 ng  
RT: 11.633 min Scan# 1622  
Delta R.T. -0.006 min  
Lab File: BF140683.D  
Acq: 02 Dec 2024 11:23

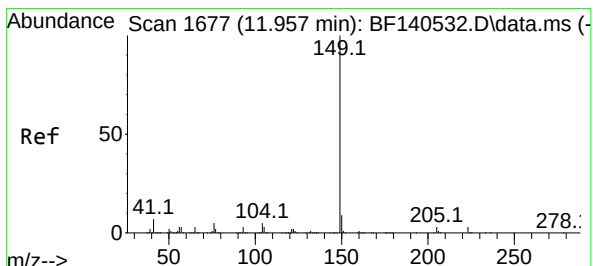
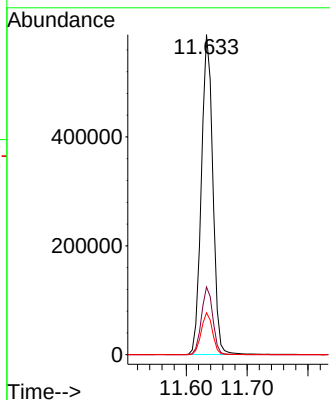
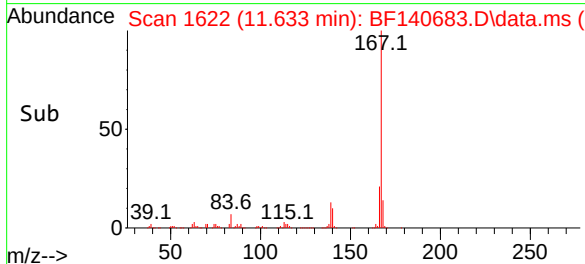
Instrument :  
BNA\_F  
ClientSampleId :  
PB165296BS



Tgt Ion:167 Resp: 76934  
Ion Ratio Lower Upper  
167 100  
166 21.1 17.2 25.8  
139 13.1 10.6 15.8

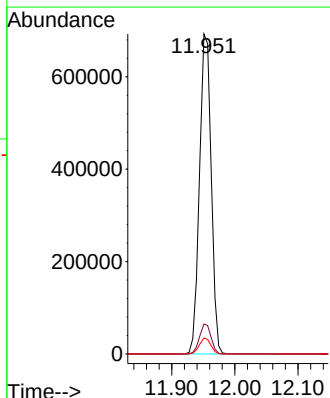
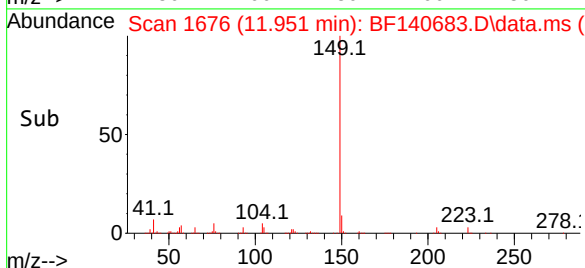
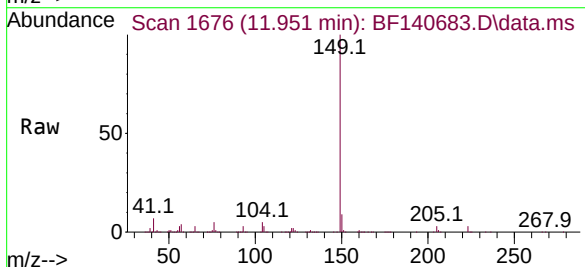
Manual Integrations  
APPROVED

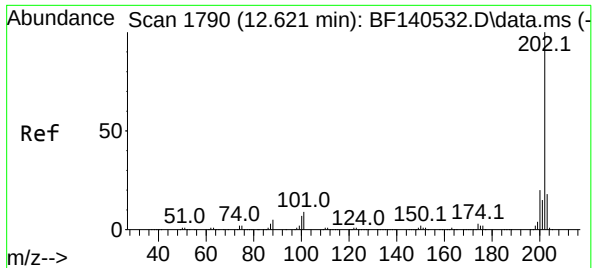
Reviewed By :Yogesh Patel 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024



#74  
Di-n-butylphthalate  
Concen: 48.570 ng  
RT: 11.951 min Scan# 1676  
Delta R.T. -0.006 min  
Lab File: BF140683.D  
Acq: 02 Dec 2024 11:23

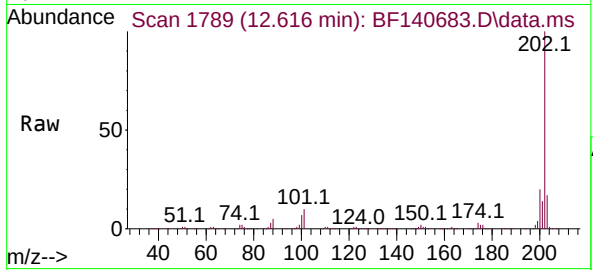
Tgt Ion:149 Resp: 892443  
Ion Ratio Lower Upper  
149 100  
150 9.3 7.5 11.3  
104 4.9 4.1 6.1





#75  
Fluoranthene  
Concen: 50.515 ng  
RT: 12.616 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF140683.D  
Acq: 02 Dec 2024 11:23

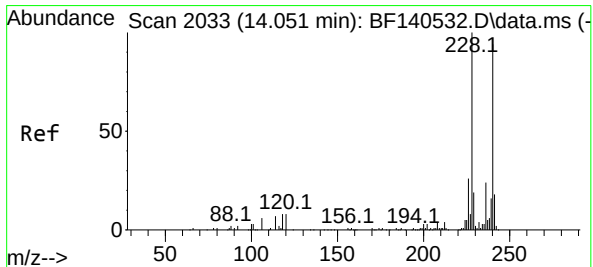
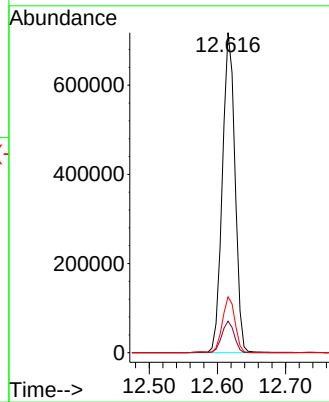
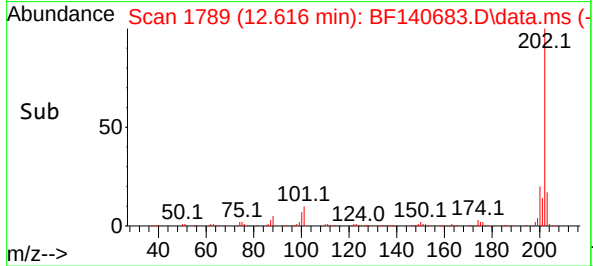
Instrument :  
BNA\_F  
ClientSampleId :  
PB165296BS



Tgt Ion:202 Resp: 92762  
Ion Ratio Lower Upper  
202 100  
101 9.9 0.0 28.9  
203 17.5 0.0 37.6

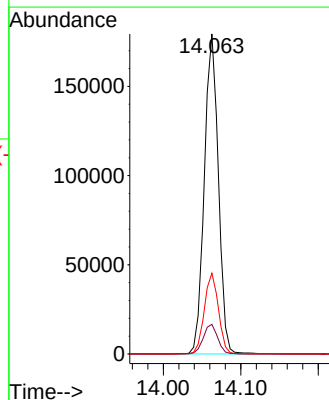
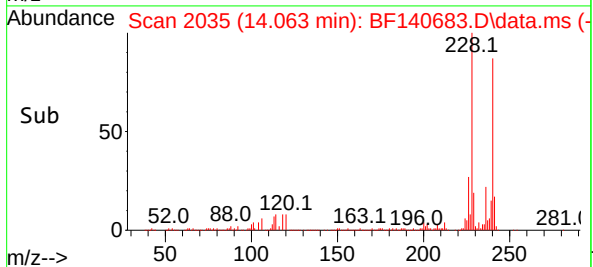
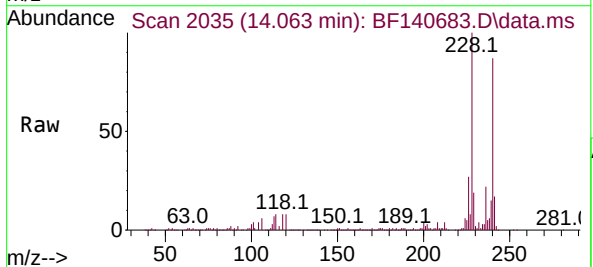
Manual Integrations  
APPROVED

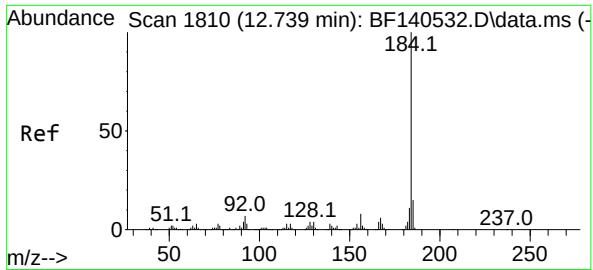
Reviewed By :Yogesh Patel 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.063 min Scan# 2035  
Delta R.T. 0.012 min  
Lab File: BF140683.D  
Acq: 02 Dec 2024 11:23

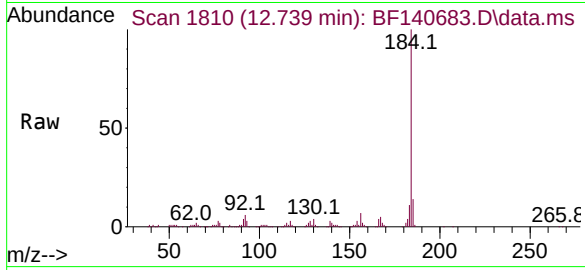
Tgt Ion:240 Resp: 225717  
Ion Ratio Lower Upper  
240 100  
120 9.3 7.3 10.9  
236 25.2 20.6 31.0





#77  
Benzidine  
Concen: 30.598 ng  
RT: 12.739 min Scan# 1810  
Delta R.T. 0.000 min  
Lab File: BF140683.D  
Acq: 02 Dec 2024 11:23

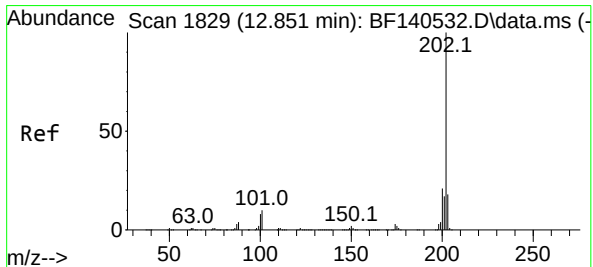
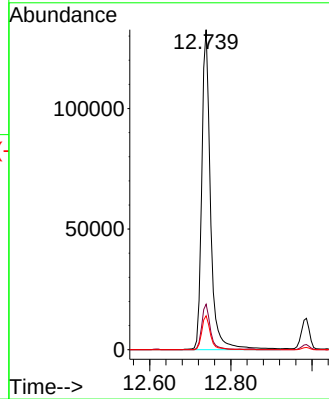
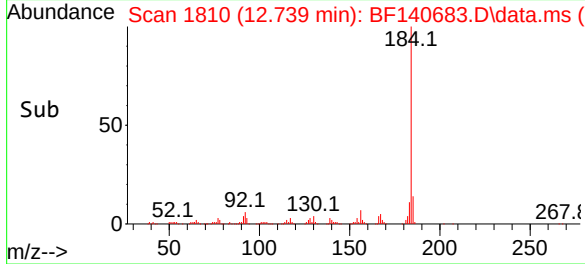
Instrument :  
BNA\_F  
ClientSampleId :  
PB165296BS



Tgt Ion:184 Resp: 200804  
Ion Ratio Lower Upper  
184 100  
185 14.2 11.7 17.5  
183 10.6 8.8 13.2

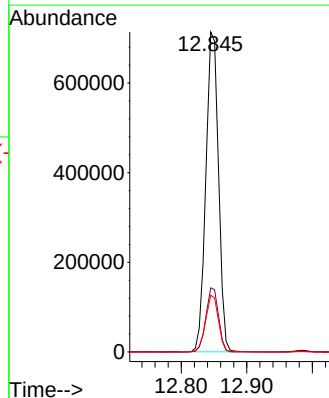
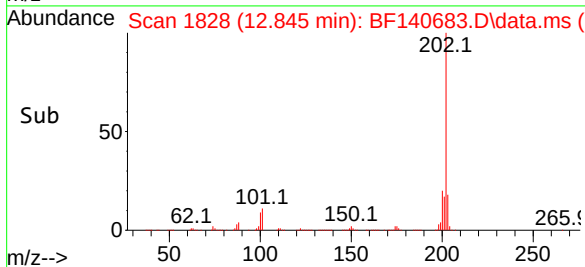
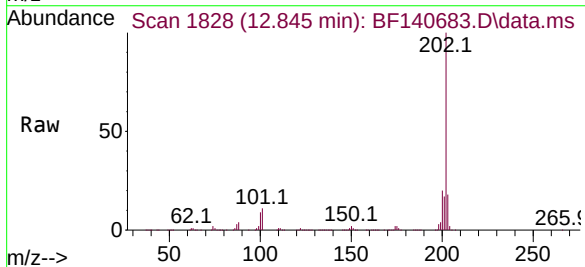
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024

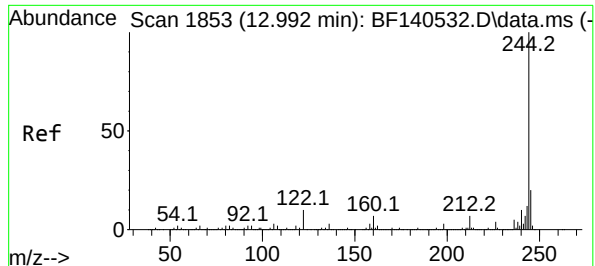


#78  
Pyrene  
Concen: 46.046 ng  
RT: 12.845 min Scan# 1828  
Delta R.T. -0.006 min  
Lab File: BF140683.D  
Acq: 02 Dec 2024 11:23

Tgt Ion:202 Resp: 961001  
Ion Ratio Lower Upper  
202 100  
200 20.1 16.5 24.7  
203 17.7 14.2 21.4







#79

Terphenyl-d14

Concen: 87.497 ng

RT: 12.986 min Scan# 1852

Delta R.T. -0.006 min

Lab File: BF140683.D

Acq: 02 Dec 2024 11:23

Instrument :

BNA\_F

ClientSampleId :

PB165296BS

Tgt Ion:244 Resp: 1268330

Ion Ratio Lower Upper

244 100

212 7.1 5.8 8.8

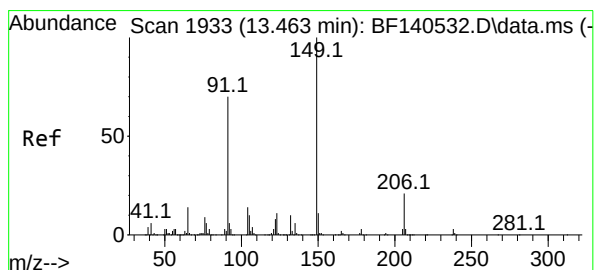
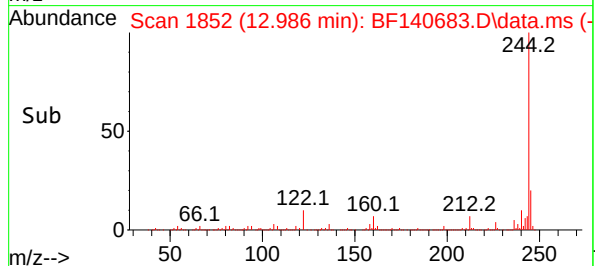
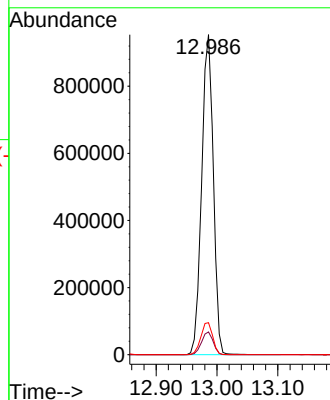
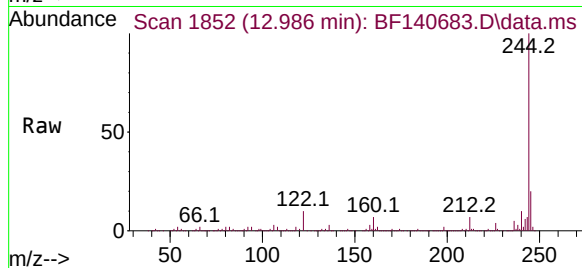
122 10.0 8.0 12.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/03/2024

Supervised By :mohammad ahmed 12/05/2024



#80

Butylbenzylphthalate

Concen: 47.047 ng

RT: 13.457 min Scan# 1932

Delta R.T. -0.006 min

Lab File: BF140683.D

Acq: 02 Dec 2024 11:23

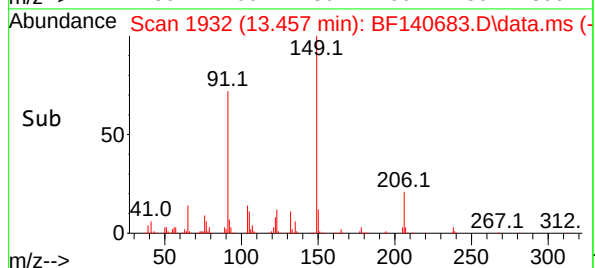
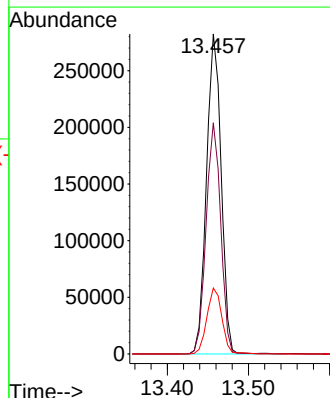
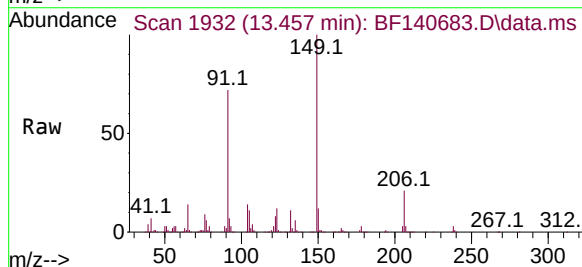
Tgt Ion:149 Resp: 353715

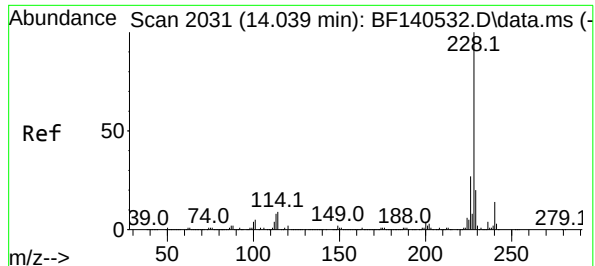
Ion Ratio Lower Upper

149 100

91 72.3 56.2 84.2

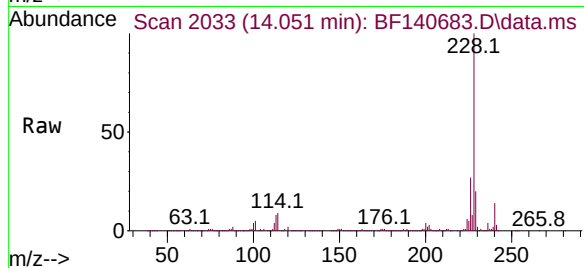
206 20.6 16.4 24.6





#81  
Benzo(a)anthracene  
Concen: 48.161 ng  
RT: 14.051 min Scan# 2031  
Delta R.T. 0.012 min  
Lab File: BF140683.D  
Acq: 02 Dec 2024 11:23

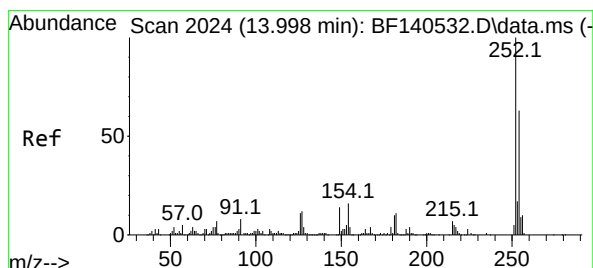
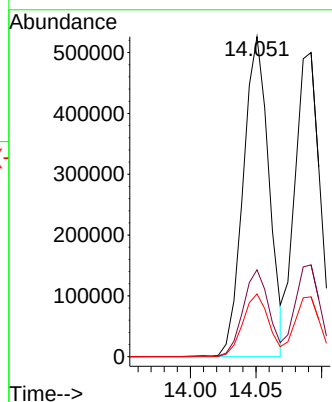
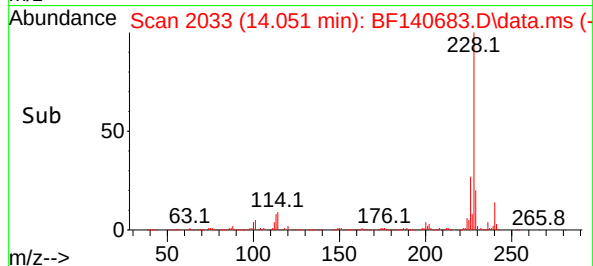
Instrument :  
BNA\_F  
ClientSampleId :  
PB165296BS



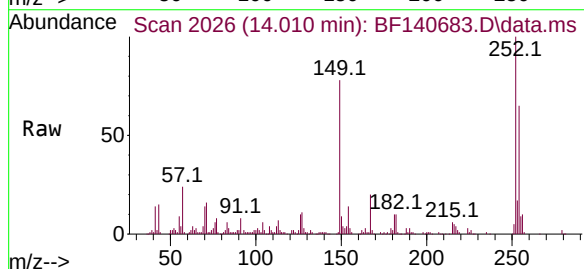
Tgt Ion:228 Resp: 71959  
Ion Ratio Lower Upper  
228 100  
226 27.1 21.8 32.8  
229 19.6 15.8 23.6

Manual Integrations  
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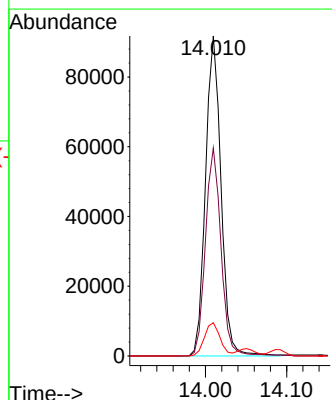
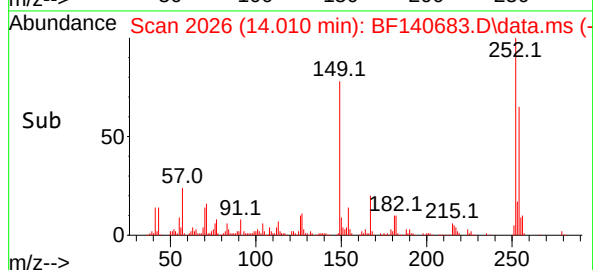
Reviewed By :Yogesh Patel 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024

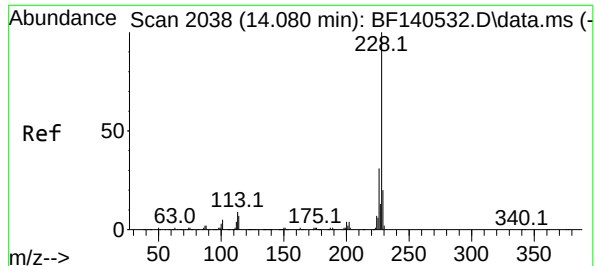


#82  
3,3'-Dichlorobenzidine  
Concen: 27.099 ng  
RT: 14.010 min Scan# 2026  
Delta R.T. 0.012 min  
Lab File: BF140683.D  
Acq: 02 Dec 2024 11:23



Tgt Ion:252 Resp: 121565  
Ion Ratio Lower Upper  
252 100  
254 65.0 50.8 76.2  
126 10.4 8.6 13.0





#83

Chrysene

Concen: 48.520 ng

RT: 14.092 min Scan# 2038

Delta R.T. 0.012 min

Lab File: BF140683.D

Acq: 02 Dec 2024 11:23

Instrument :

BNA\_F

ClientSampleId :

PB165296BS

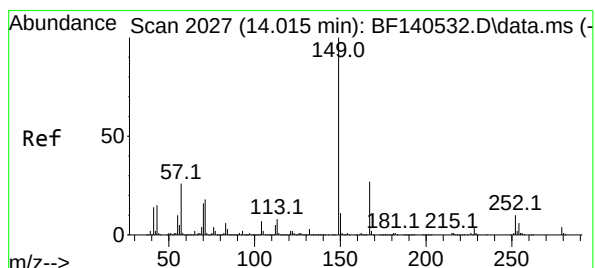
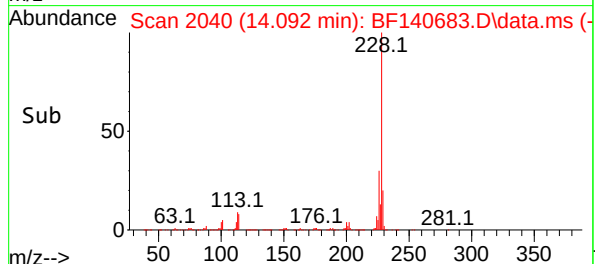
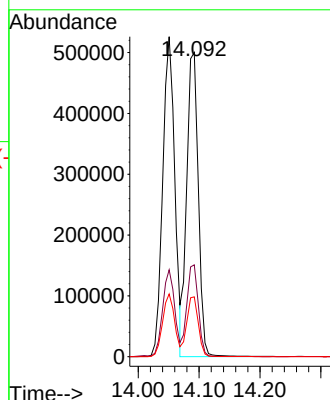
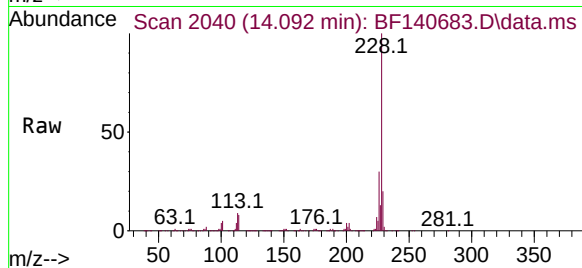
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 228   | Resp: | 662894 |
| Ion Ratio | Lower | Upper |        |
| 228       | 100   |       |        |
| 226       | 30.2  | 24.4  | 36.6   |
| 229       | 19.7  | 15.8  | 23.6   |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/03/2024

Supervised By :mohammad ahmed 12/05/2024



#84

Bis(2-ethylhexyl)phthalate

Concen: 49.266 ng

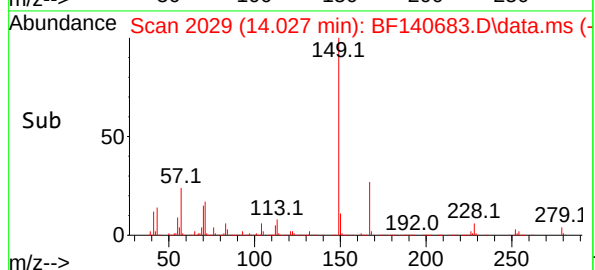
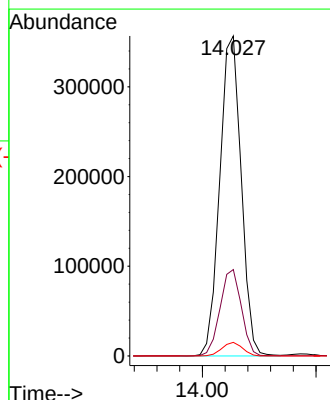
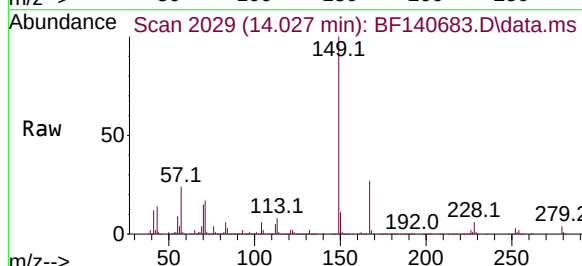
RT: 14.027 min Scan# 2029

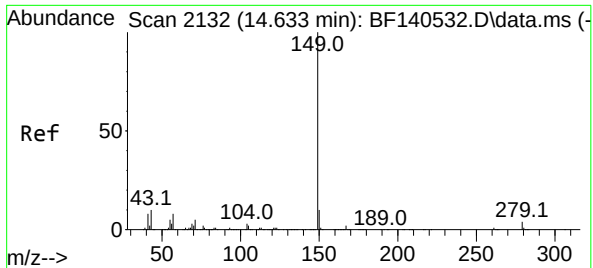
Delta R.T. 0.012 min

Lab File: BF140683.D

Acq: 02 Dec 2024 11:23

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 149   | Resp: | 467704 |
| Ion Ratio | Lower | Upper |        |
| 149       | 100   |       |        |
| 167       | 27.0  | 21.2  | 31.8   |
| 279       | 4.3   | 3.2   | 4.8    |





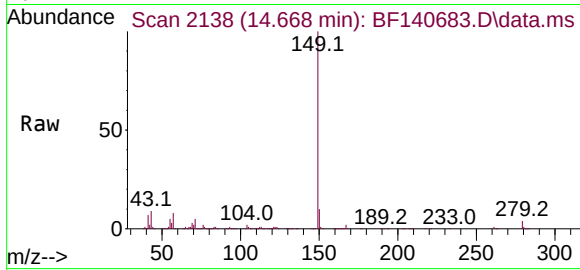
#85  
Di-n-octyl phthalate  
Concen: 52.067 ng  
RT: 14.668 min Scan# 2138  
Delta R.T. 0.035 min  
Lab File: BF140683.D  
Acq: 02 Dec 2024 11:23

Instrument :

BNA\_F

ClientSampleId :

PB165296BS

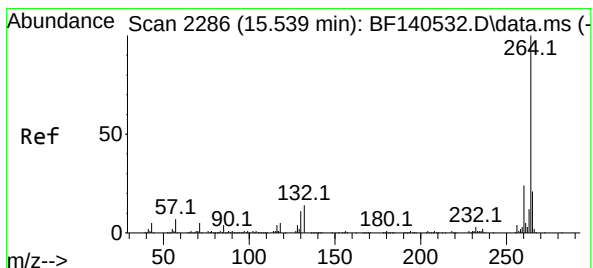
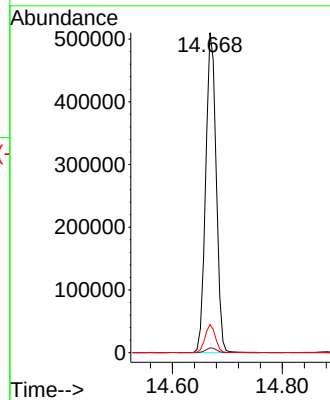
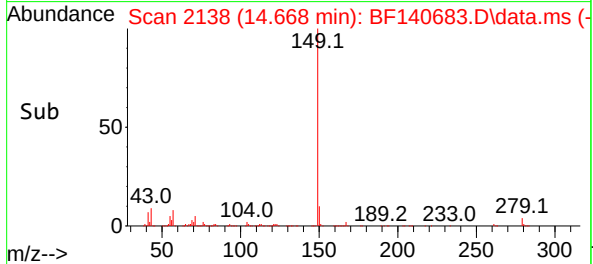


Tgt Ion:149 Resp: 67552  
Ion Ratio Lower Upper  
149 100  
167 1.6 1.3 1.9  
43 8.5 7.7 11.5

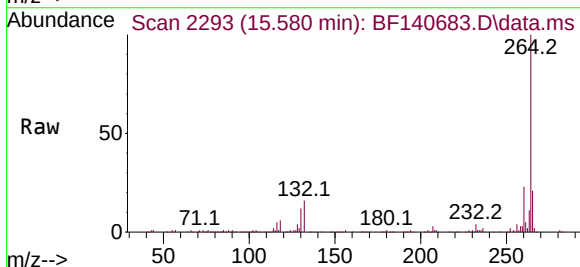
Manual Integrations

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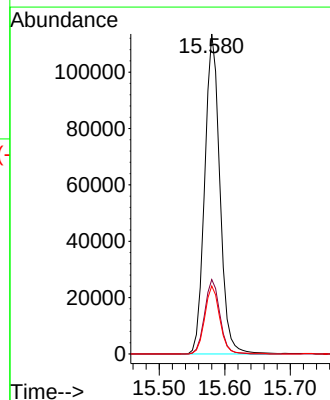
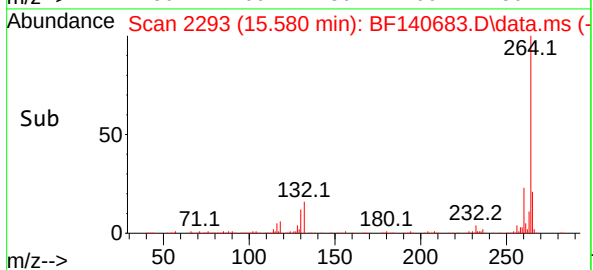
Reviewed By :Yogesh Patel 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024

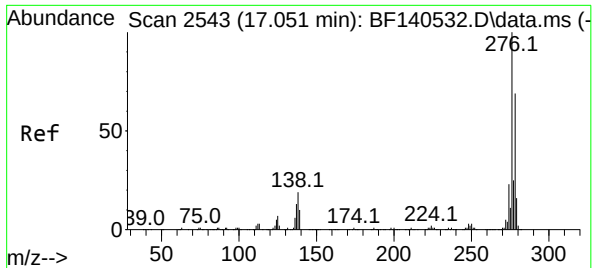


#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.580 min Scan# 2293  
Delta R.T. 0.041 min  
Lab File: BF140683.D  
Acq: 02 Dec 2024 11:23



Tgt Ion:264 Resp: 182835  
Ion Ratio Lower Upper  
264 100  
260 23.3 19.0 28.6  
265 21.3 16.6 25.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 47.584 ng

RT: 17.104 min Scan# 21

Delta R.T. 0.053 min

Lab File: BF140683.D

Acq: 02 Dec 2024 11:23

Instrument :

BNA\_F

ClientSampleId :

PB165296BS

Tgt Ion:276 Resp: 56696

Ion Ratio Lower Upper

276 100

138 21.5 15.5 23.3

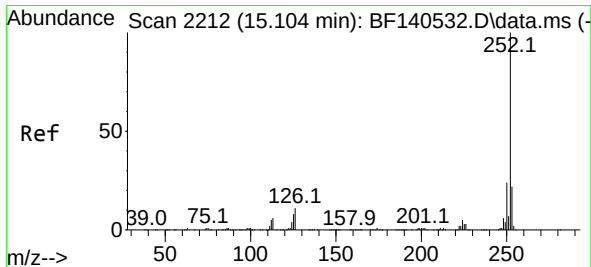
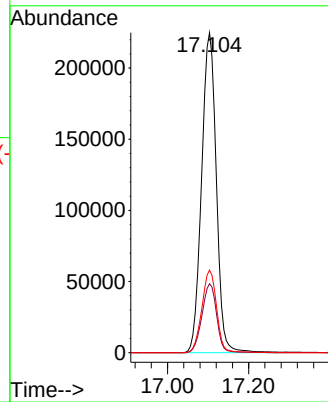
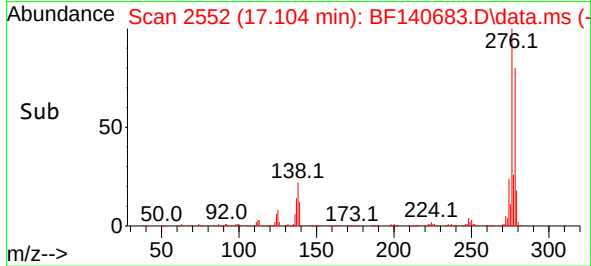
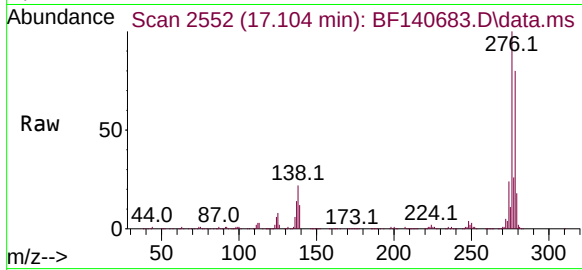
277 25.8 20.1 30.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/03/2024

Supervised By :mohammad ahmed 12/05/2024



#88

Benzo(b)fluoranthene

Concen: 47.220 ng

RT: 15.145 min Scan# 2219

Delta R.T. 0.041 min

Lab File: BF140683.D

Acq: 02 Dec 2024 11:23

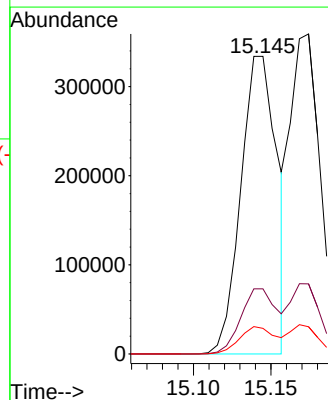
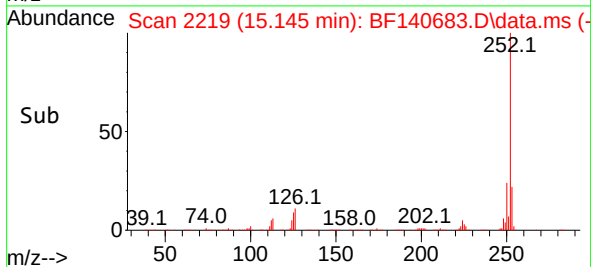
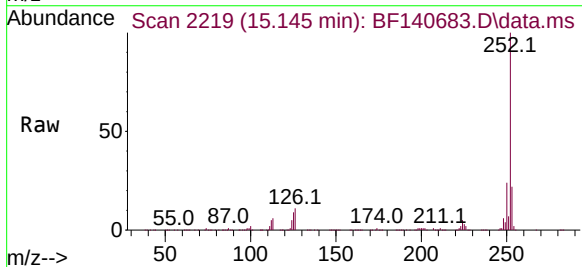
Tgt Ion:252 Resp: 542277

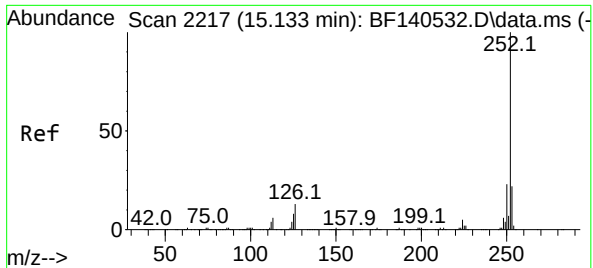
Ion Ratio Lower Upper

252 100

253 21.9 17.2 25.8

125 8.6 6.7 10.1





#89

Benzo(k)fluoranthene

Concen: 48.918 ng

RT: 15.174 min Scan# 21

Delta R.T. 0.041 min

Lab File: BF140683.D

Acq: 02 Dec 2024 11:23

Instrument :

BNA\_F

ClientSampleId :

PB165296BS

Tgt Ion:252 Resp: 49161

Ion Ratio Lower Upper

252 100

253 21.9 17.5 26.3

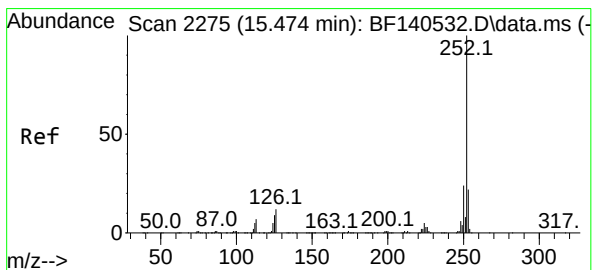
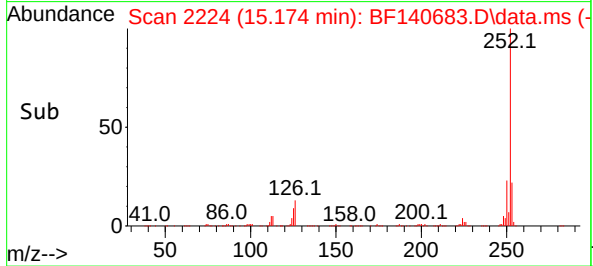
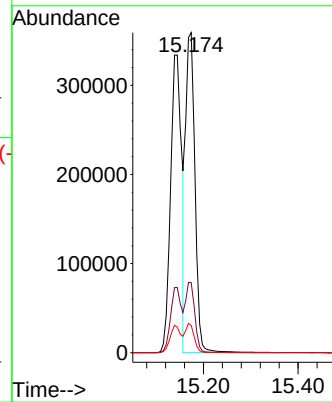
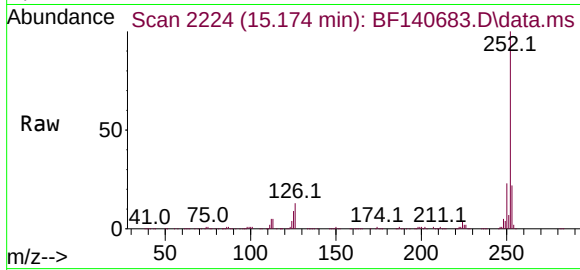
125 8.5 6.5 9.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/03/2024

Supervised By :mohammad ahmed 12/05/2024



#90

Benzo(a)pyrene

Concen: 52.357 ng

RT: 15.521 min Scan# 2283

Delta R.T. 0.047 min

Lab File: BF140683.D

Acq: 02 Dec 2024 11:23

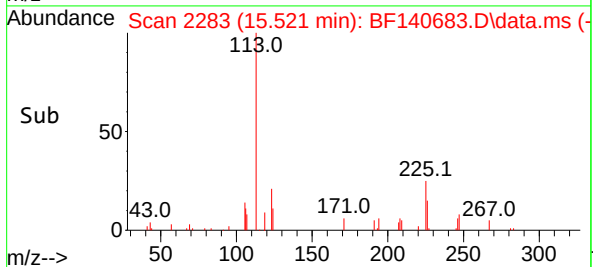
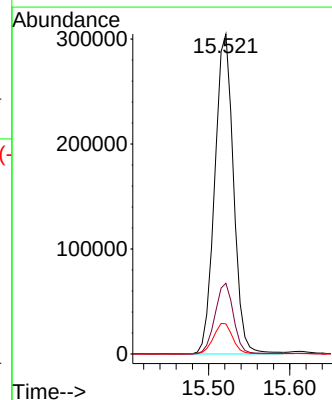
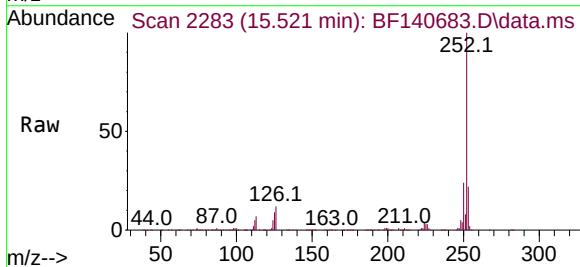
Tgt Ion:252 Resp: 488885

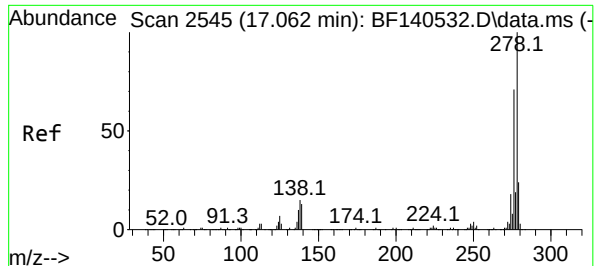
Ion Ratio Lower Upper

252 100

253 22.1 17.3 25.9

125 9.4 7.0 10.6





#91

Dibenzo(a,h)anthracene

Concen: 47.439 ng

RT: 17.115 min Scan# 2545

Delta R.T. 0.053 min

Lab File: BF140683.D

Acq: 02 Dec 2024 11:23

Instrument :

BNA\_F

ClientSampleId :

PB165296BS

Tgt Ion:278 Resp: 462910

Ion Ratio Lower Upper

278 100

139 12.8 10.2 15.4

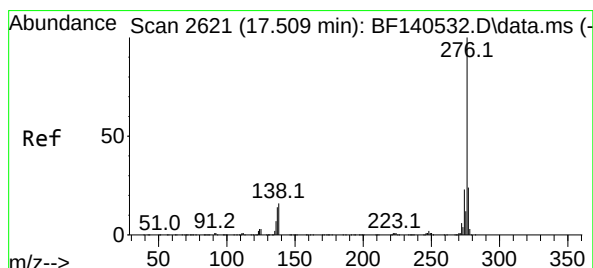
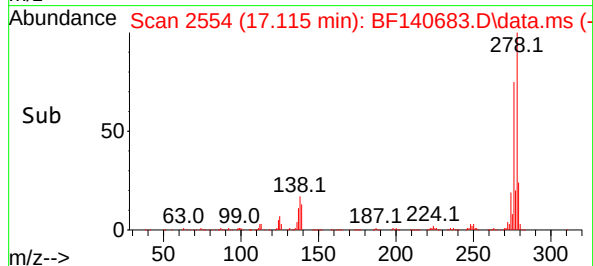
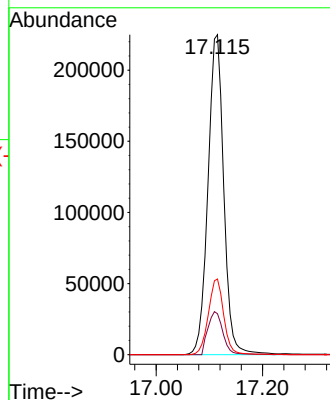
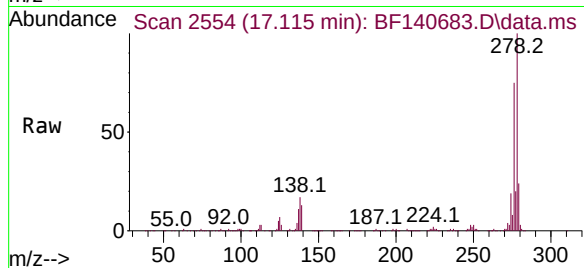
279 23.7 18.9 28.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/03/2024

Supervised By :mohammad ahmed 12/05/2024



#92

Benzo(g,h,i)perylene

Concen: 43.881 ng

RT: 17.556 min Scan# 2629

Delta R.T. 0.047 min

Lab File: BF140683.D

Acq: 02 Dec 2024 11:23

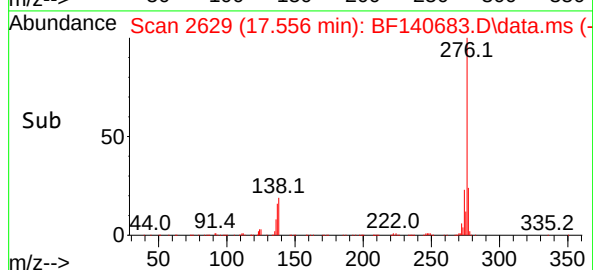
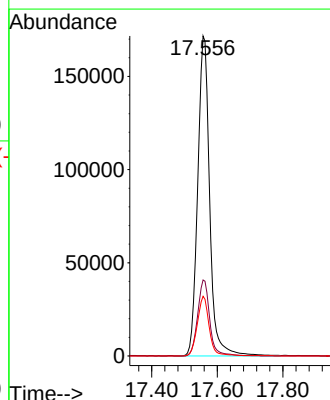
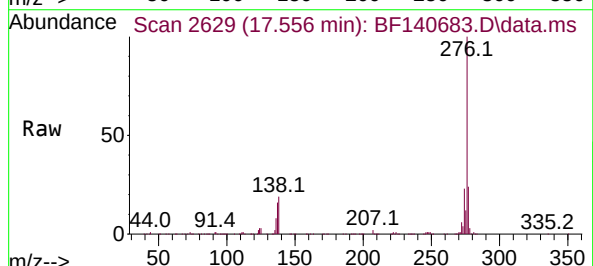
Tgt Ion:276 Resp: 436948

Ion Ratio Lower Upper

276 100

277 23.8 18.9 28.3

138 18.6 13.2 19.8



## Report of Analysis

|                    |                      |                 |               |
|--------------------|----------------------|-----------------|---------------|
| Client:            | LiRo Engineers, Inc. | Date Collected: |               |
| Project:           | RFK Bridge           | Date Received:  |               |
| Client Sample ID:  | PB165296BSD          | SDG No.:        | P5021         |
| Lab Sample ID:     | PB165296BSD          | Matrix:         | Water         |
| Analytical Method: | SW8270               | % Solid:        | 0             |
| Sample Wt/Vol:     | 1000 Units: mL       | Final Vol:      | 1000 uL       |
| Soil Aliquot Vol:  | uL                   | Test:           | SVOCMS Group1 |
| Extraction Type :  | Decanted : N         | Level :         | LOW           |
| Injection Volume : | GPC Factor : 1.0     | GPC Cleanup :   | N PH :        |
| Prep Method :      | SW3510C              |                 |               |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BF140684.D        | 1         | 11/27/24 08:40 | 12/02/24 11:49 | PB165296      |

| CAS Number                | Parameter              | Conc.  | Qualifier | MDL      | LOQ / CRQL | Units    |
|---------------------------|------------------------|--------|-----------|----------|------------|----------|
| <b>TARGETS</b>            |                        |        |           |          |            |          |
| 208-96-8                  | Acenaphthylene         | 54.9   |           | 1.00     | 5.00       | ug/L     |
| 83-32-9                   | Acenaphthene           | 52.4   |           | 0.81     | 5.00       | ug/L     |
| 86-73-7                   | Fluorene               | 52.2   |           | 0.96     | 5.00       | ug/L     |
| 85-01-8                   | Phenanthrene           | 53.2   |           | 0.89     | 5.00       | ug/L     |
| 120-12-7                  | Anthracene             | 54.6   |           | 1.10     | 5.00       | ug/L     |
| 206-44-0                  | Fluoranthene           | 46.8   |           | 1.30     | 5.00       | ug/L     |
| 129-00-0                  | Pyrene                 | 52.5   |           | 1.10     | 5.00       | ug/L     |
| 56-55-3                   | Benzo(a)anthracene     | 56.0   |           | 0.94     | 5.00       | ug/L     |
| 218-01-9                  | Chrysene               | 54.9   |           | 0.86     | 5.00       | ug/L     |
| 205-99-2                  | Benzo(b)fluoranthene   | 55.5   |           | 1.10     | 5.00       | ug/L     |
| 207-08-9                  | Benzo(k)fluoranthene   | 54.0   |           | 1.20     | 5.00       | ug/L     |
| 50-32-8                   | Benzo(a)pyrene         | 62.5   |           | 1.70     | 5.00       | ug/L     |
| 193-39-5                  | Indeno(1,2,3-cd)pyrene | 49.9   |           | 1.00     | 5.00       | ug/L     |
| 53-70-3                   | Dibenzo(a,h)anthracene | 49.7   |           | 1.20     | 5.00       | ug/L     |
| 191-24-2                  | Benzo(g,h,i)perylene   | 49.2   |           | 1.20     | 5.00       | ug/L     |
| <b>SURROGATES</b>         |                        |        |           |          |            |          |
| 4165-60-0                 | Nitrobenzene-d5        | 96.7   |           | 49 - 133 | 97%        | SPK: 100 |
| 321-60-8                  | 2-Fluorobiphenyl       | 95.4   |           | 52 - 132 | 95%        | SPK: 100 |
| 1718-51-0                 | Terphenyl-d14          | 101    |           | 48 - 125 | 101%       | SPK: 100 |
| <b>INTERNAL STANDARDS</b> |                        |        |           |          |            |          |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4 | 80600  | 6.869     |          |            |          |
| 1146-65-2                 | Naphthalene-d8         | 308000 | 8.151     |          |            |          |
| 15067-26-2                | Acenaphthene-d10       | 177000 | 9.91      |          |            |          |
| 1517-22-2                 | Phenanthrene-d10       | 364000 | 11.398    |          |            |          |
| 1719-03-5                 | Chrysene-d12           | 186000 | 14.057    |          |            |          |
| 1520-96-3                 | Perylene-d12           | 166000 | 15.574    |          |            |          |



## Report of Analysis

|                    |                        |                 |                      |
|--------------------|------------------------|-----------------|----------------------|
| Client:            | LiRo Engineers, Inc.   | Date Collected: |                      |
| Project:           | RFK Bridge             | Date Received:  |                      |
| Client Sample ID:  | PB165296BSD            | SDG No.:        | P5021                |
| Lab Sample ID:     | PB165296BSD            | Matrix:         | Water                |
| Analytical Method: | SW8270                 | % Solid:        | 0                    |
| Sample Wt/Vol:     | 1000      Units:    mL | Final Vol:      | 1000              uL |
| Soil Aliquot Vol:  | uL                     | Test:           | SVOCMS Group1        |
| Extraction Type :  | Decanted :      N      | Level :         | LOW                  |
| Injection Volume : | GPC Factor :    1.0    | GPC Cleanup :   | N              PH :  |
| Prep Method :      | SW3510C                |                 |                      |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BF140684.D        | 1         | 11/27/24 08:40 | 12/02/24 11:49 | PB165296      |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|------------|-----------|-------|-----------|-----|------------|-------|
|------------|-----------|-------|-----------|-----|------------|-------|

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\BF120224\  
 Data File : BF140684.D  
 Acq On : 02 Dec 2024 11:49  
 Operator : RC/JU  
 Sample : PB165296BSD  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB165296BSD

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 12/03/2024  
 Supervised By :mohammad ahmed 12/05/2024

Quant Time: Dec 02 12:08:43 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF112124.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Nov 21 15:23:48 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.869  | 152  | 80604    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.151  | 136  | 308077   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.910  | 164  | 176945   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.398 | 188  | 364189   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.057 | 240  | 185704   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.574 | 264  | 166131   | 20.000  | ng    | 0.04     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.510  | 112  | 692805   | 146.652 | ng    | 0.01     |
| 7) Phenol-d6                  | 6.516  | 99   | 903376   | 144.646 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.434  | 82   | 582394   | 96.695  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.704 | 330  | 281210   | 148.597 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.228  | 172  | 1132946  | 95.398  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.986 | 244  | 1210322  | 101.486 | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.740  | 88   | 93239    | 46.942  | ng    | 98       |
| 3) Pyridine                   | 3.504  | 79   | 230611   | 52.769  | ng    | 99       |
| 4) n-Nitrosodimethylamine     | 3.457  | 42   | 127737   | 49.732  | ng    | 93       |
| 6) Aniline                    | 6.534  | 93   | 219946   | 50.035  | ng    | # 80     |
| 8) 2-Chlorophenol             | 6.663  | 128  | 280150   | 55.121  | ng    | 95       |
| 9) Benzaldehyde               | 6.422  | 77   | 109584   | 33.145  | ng    | 99       |
| 10) Phenol                    | 6.528  | 94   | 346438   | 54.316  | ng    | 99       |
| 11) bis(2-Chloroethyl)ether   | 6.604  | 93   | 257628   | 52.785  | ng    | 99       |
| 12) 1,3-Dichlorobenzene       | 6.810  | 146  | 292210   | 51.167  | ng    | 98       |
| 13) 1,4-Dichlorobenzene       | 6.886  | 146  | 295568   | 51.114  | ng    | 100      |
| 14) 1,2-Dichlorobenzene       | 7.039  | 146  | 280995   | 51.859  | ng    | 99       |
| 15) Benzyl Alcohol            | 7.016  | 79   | 256161   | 55.307  | ng    | 96       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.139  | 45   | 321414   | 55.742  | ng    | 88       |
| 17) 2-Methylphenol            | 7.134  | 107  | 220077   | 54.093  | ng    | 96       |
| 18) Hexachloroethane          | 7.381  | 117  | 109807   | 50.844  | ng    | 99       |
| 19) n-Nitroso-di-n-propyla... | 7.281  | 70   | 192068   | 52.036  | ng    | 98       |
| 20) 3+4-Methylphenols         | 7.286  | 107  | 284988   | 54.497  | ng    | # 89     |
| 22) Acetophenone              | 7.281  | 105  | 378802   | 50.435  | ng    | 98       |
| 24) Nitrobenzene              | 7.457  | 77   | 305048   | 49.004  | ng    | 97       |
| 25) Isophorone                | 7.692  | 82   | 527648   | 52.524  | ng    | 100      |
| 26) 2-Nitrophenol             | 7.769  | 139  | 148127   | 53.696  | ng    | 96       |
| 27) 2,4-Dimethylphenol        | 7.804  | 122  | 222294   | 67.349  | ng    | 98       |
| 28) bis(2-Chloroethoxy)met... | 7.898  | 93   | 319108   | 52.142  | ng    | 100      |
| 29) 2,4-Dichlorophenol        | 8.016  | 162  | 235599   | 53.869  | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 8.092  | 180  | 242992   | 48.660  | ng    | 99       |
| 31) Naphthalene               | 8.175  | 128  | 813708   | 51.278  | ng    | 99       |
| 32) Benzoic acid              | 7.945  | 122  | 124745   | 44.116  | ng    | 97       |
| 33) 4-Chloroaniline           | 8.222  | 127  | 120649   | 25.394  | ng    | 98       |
| 34) Hexachlorobutadiene       | 8.286  | 225  | 160950   | 48.661  | ng    | 99       |
| 35) Caprolactam               | 8.598  | 113  | 75636m   | 55.882  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 8.716  | 107  | 261939   | 53.492  | ng    | 97       |
| 37) 2-Methylnaphthalene       | 8.863  | 142  | 535775   | 53.157  | ng    | 99       |
| 38) 1-Methylnaphthalene       | 8.963  | 142  | 501861   | 50.798  | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 9.033  | 216  | 262079   | 50.594  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 9.016  | 237  | 210973   | 171.968 | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 9.145  | 196  | 164699   | 50.670  | ng    | 98       |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF120224\  
 Data File : BF140684.D  
 Acq On : 02 Dec 2024 11:49  
 Operator : RC/JU  
 Sample : PB165296BSD  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB165296BSD

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 12/03/2024  
 Supervised By :mohammad ahmed 12/05/2024

Quant Time: Dec 02 12:08:43 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF112124.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Nov 21 15:23:48 2024  
 Response via : Initial Calibration

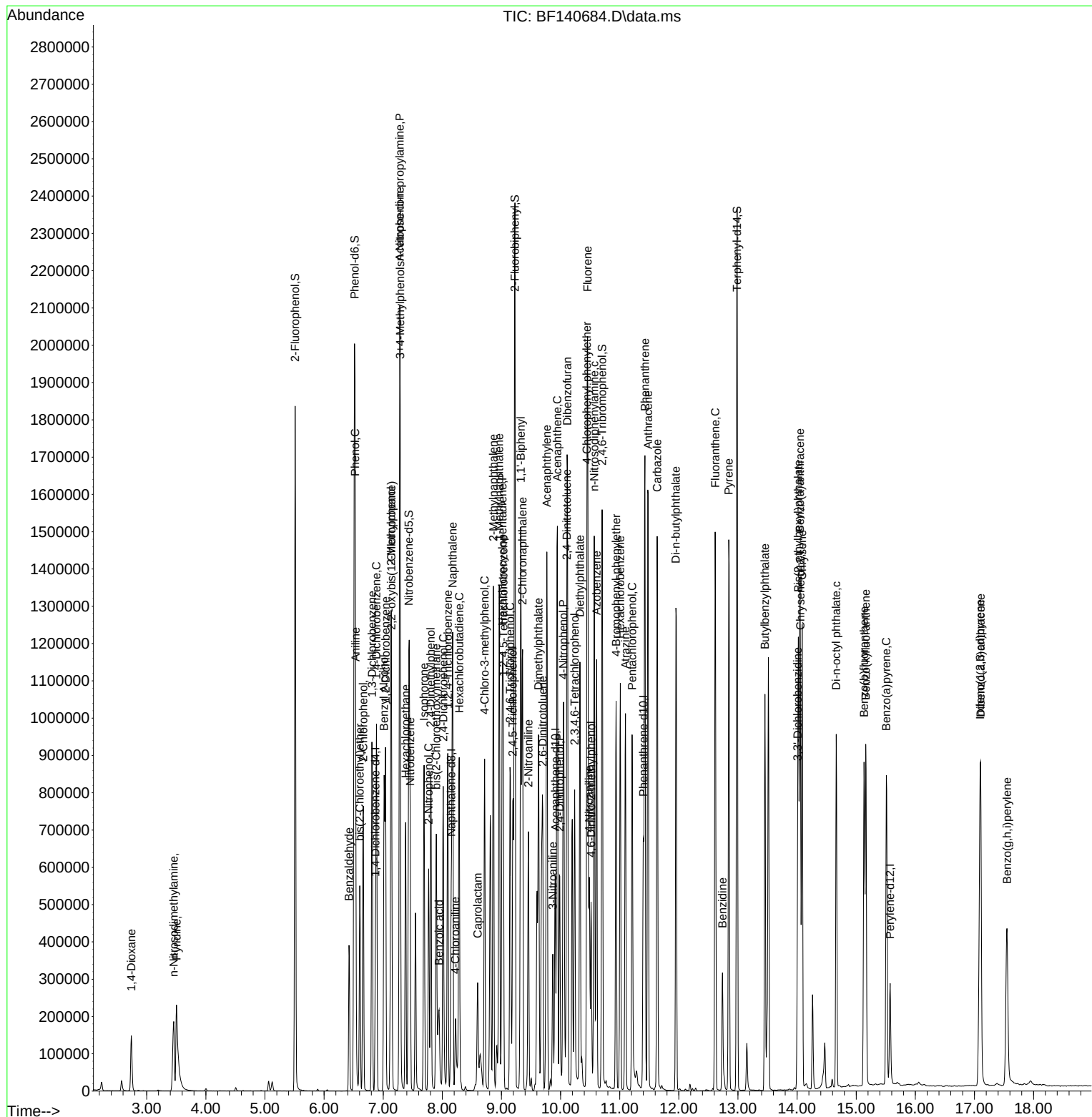
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.192  | 196  | 180576   | 51.189 | ng    | 96       |
| 46) 1,1'-Biphenyl             | 9.328  | 154  | 675689   | 51.146 | ng    | 100      |
| 47) 2-Chloronaphthalene       | 9.357  | 162  | 508079   | 50.756 | ng    | 98       |
| 48) 2-Nitroaniline            | 9.457  | 65   | 164563   | 51.217 | ng    | 93       |
| 49) Acenaphthylene            | 9.769  | 152  | 830309   | 54.898 | ng    | 100      |
| 50) Dimethylphthalate         | 9.627  | 163  | 608324   | 52.201 | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 9.698  | 165  | 134865   | 51.028 | ng    | 92       |
| 52) Acenaphthene              | 9.945  | 154  | 503250   | 52.367 | ng    | 99       |
| 53) 3-Nitroaniline            | 9.869  | 138  | 81650    | 31.587 | ng    | 95       |
| 54) 2,4-Dinitrophenol         | 9.986  | 184  | 124419   | 89.831 | ng    | 93       |
| 55) Dibenzofuran              | 10.116 | 168  | 765188   | 52.201 | ng    | 99       |
| 56) 4-Nitrophenol             | 10.045 | 139  | 171875   | 97.495 | ng    | 93       |
| 57) 2,4-Dinitrotoluene        | 10.104 | 165  | 184382   | 52.492 | ng    | 98       |
| 58) Fluorene                  | 10.457 | 166  | 614046   | 52.188 | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol | 10.239 | 232  | 157484   | 58.088 | ng    | 92       |
| 60) Diethylphthalate          | 10.327 | 149  | 610240   | 51.540 | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 10.445 | 204  | 297755   | 51.566 | ng    | 99       |
| 62) 4-Nitroaniline            | 10.486 | 138  | 143529   | 52.941 | ng    | 91       |
| 63) Azobenzene                | 10.610 | 77   | 594144   | 52.989 | ng    | 98       |
| 65) 4,6-Dinitro-2-methylph... | 10.516 | 198  | 97268    | 52.266 | ng    | 96       |
| 66) n-Nitrosodiphenylamine    | 10.569 | 169  | 529399   | 49.155 | ng    | 100      |
| 67) 4-Bromophenyl-phenylether | 10.939 | 248  | 181073   | 48.279 | ng    | 97       |
| 68) Hexachlorobenzene         | 11.010 | 284  | 212351   | 48.897 | ng    | 98       |
| 69) Atrazine                  | 11.098 | 200  | 182419   | 60.208 | ng    | 97       |
| 70) Pentachlorophenol         | 11.210 | 266  | 174089   | 91.080 | ng    | 98       |
| 71) Phenanthrene              | 11.427 | 178  | 931722   | 53.222 | ng    | 99       |
| 72) Anthracene                | 11.480 | 178  | 935656   | 54.639 | ng    | 100      |
| 73) Carbazole                 | 11.633 | 167  | 870701   | 52.854 | ng    | 100      |
| 74) Di-n-butylphthalate       | 11.951 | 149  | 982036   | 51.635 | ng    | 100      |
| 75) Fluoranthene              | 12.616 | 202  | 889820   | 46.815 | ng    | 99       |
| 77) Benzidine                 | 12.739 | 184  | 195942   | 36.291 | ng    | 99       |
| 78) Pyrene                    | 12.845 | 202  | 902064   | 52.535 | ng    | 99       |
| 80) Butylbenzylphthalate      | 13.457 | 149  | 343875   | 55.593 | ng    | 98       |
| 81) Benzo(a)anthracene        | 14.051 | 228  | 688198   | 55.984 | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine    | 14.010 | 252  | 117561   | 31.853 | ng    | 98       |
| 83) Chrysene                  | 14.086 | 228  | 616772   | 54.871 | ng    | 100      |
| 84) Bis(2-ethylhexyl)phtha... | 14.021 | 149  | 444208   | 56.873 | ng    | 98       |
| 85) Di-n-octyl phthalate      | 14.662 | 149  | 662453   | 62.062 | ng    | 98       |
| 87) Indeno(1,2,3-cd)pyrene    | 17.098 | 276  | 539894   | 49.867 | ng    | 98       |
| 88) Benzo(b)fluoranthene      | 15.133 | 252  | 578953   | 55.482 | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 15.162 | 252  | 492833   | 53.971 | ng    | 98       |
| 90) Benzo(a)pyrene            | 15.509 | 252  | 529910   | 62.457 | ng    | 98       |
| 91) Dibenzo(a,h)anthracene    | 17.103 | 278  | 440710   | 49.705 | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 17.551 | 276  | 445308   | 49.217 | ng    | 98       |

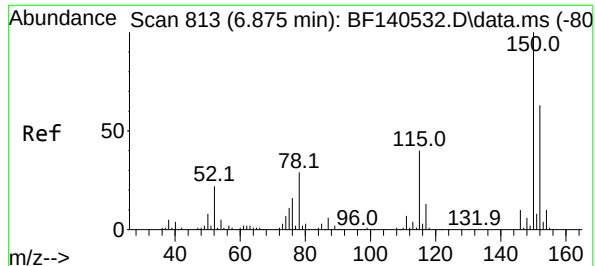
(#) = qualifier out of range (m) = manual integration (+) = signals summed

**Instrument :**  
BNA\_F  
**ClientSampleId :**  
PB165296BSD

## Manual Integrations

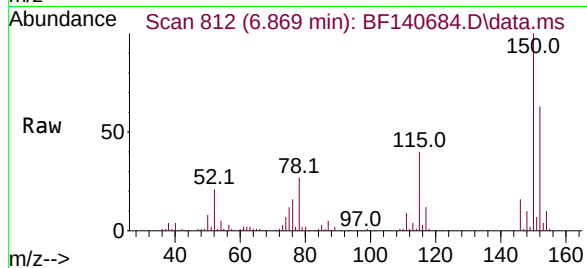
Reviewed By :Yogesh Patel 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024





#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.869 min Scan# 81  
Delta R.T. -0.006 min  
Lab File: BF140684.D  
Acq: 02 Dec 2024 11:49

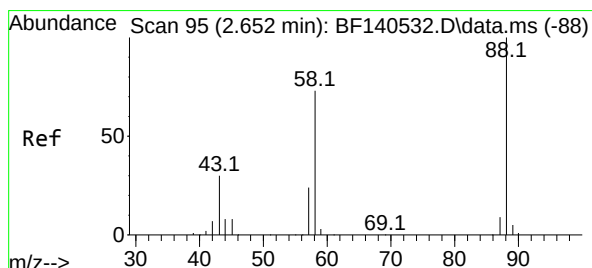
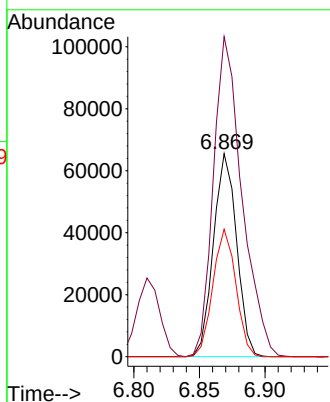
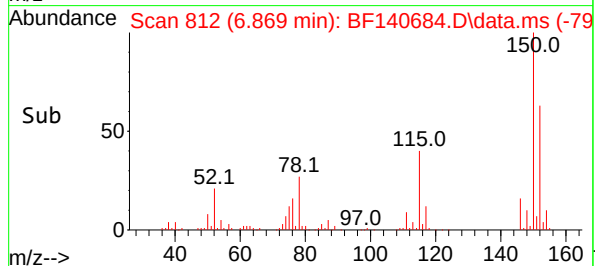
Instrument :  
BNA\_F  
ClientSampleId :  
PB165296BSD



Tgt Ion:152 Resp: 80604  
Ion Ratio Lower Upper  
152 100  
150 157.6 128.5 192.7  
115 62.7 50.2 75.4

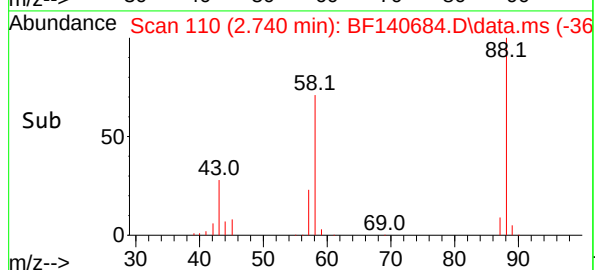
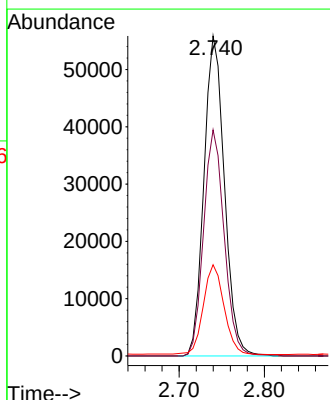
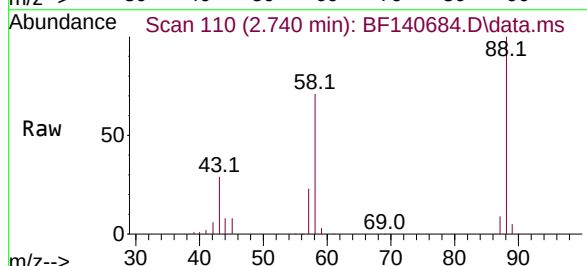
Manual Integrations  
APPROVED

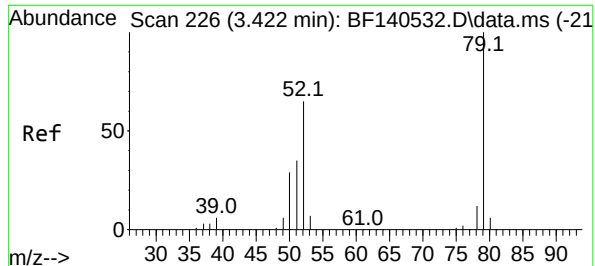
Reviewed By :Yogesh Patel 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024



#2  
1,4-Dioxane  
Concen: 46.942 ng  
RT: 2.740 min Scan# 110  
Delta R.T. 0.088 min  
Lab File: BF140684.D  
Acq: 02 Dec 2024 11:49

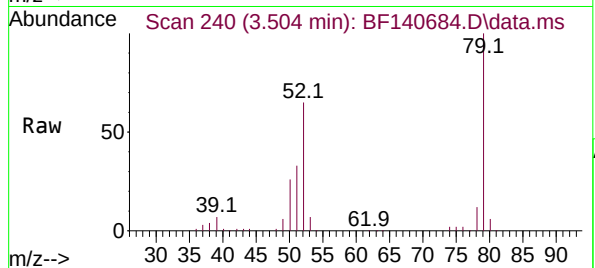
Tgt Ion: 88 Resp: 93239  
Ion Ratio Lower Upper  
88 100  
58 71.1 57.4 86.2  
43 28.3 24.3 36.5





#3  
Pyridine  
Concen: 52.769 ng  
RT: 3.504 min Scan# 240  
Delta R.T. 0.082 min  
Lab File: BF140684.D  
Acq: 02 Dec 2024 11:49

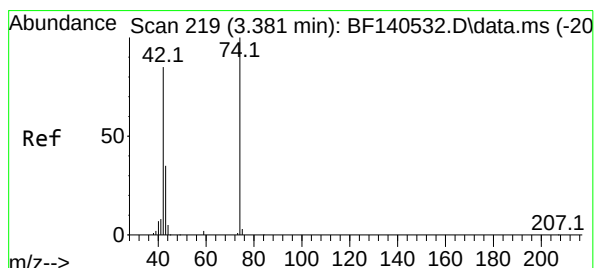
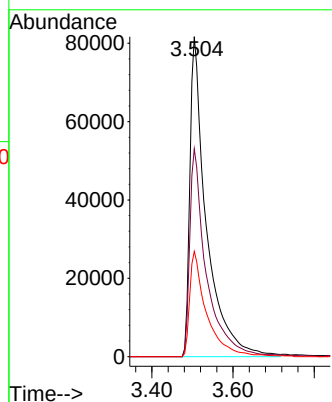
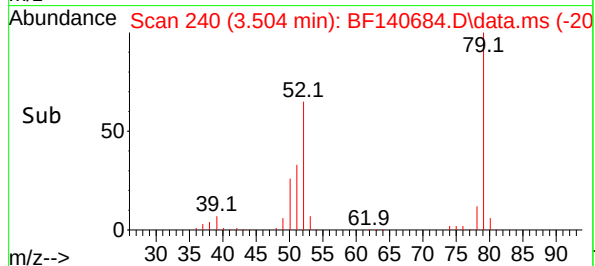
Instrument :  
BNA\_F  
ClientSampleId :  
PB165296BSD



Tgt Ion: 79 Resp: 23061  
Ion Ratio Lower Upper  
79 100  
52 64.9 52.1 78.1  
51 32.9 27.8 41.8

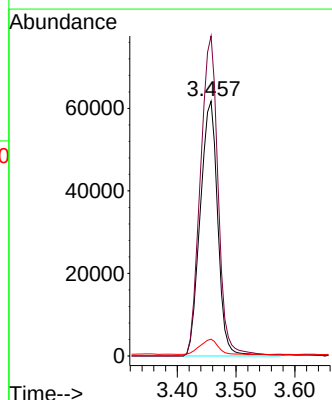
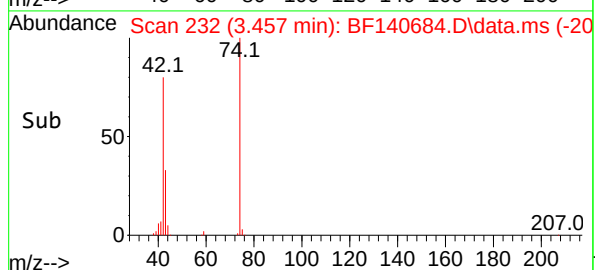
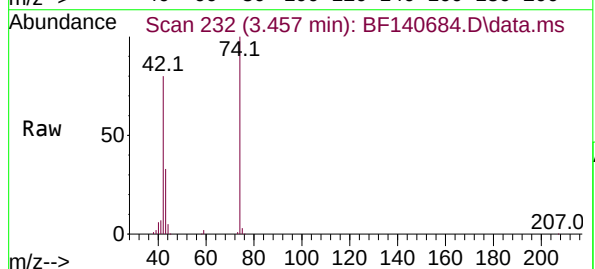
Manual Integrations  
**APPROVED**

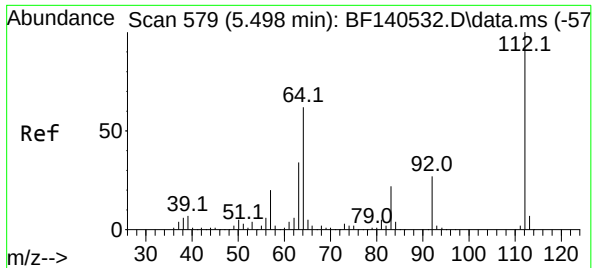
Reviewed By :Yogesh Patel 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024



#4  
n-Nitrosodimethylamine  
Concen: 49.732 ng  
RT: 3.457 min Scan# 232  
Delta R.T. 0.076 min  
Lab File: BF140684.D  
Acq: 02 Dec 2024 11:49

Tgt Ion: 42 Resp: 127737  
Ion Ratio Lower Upper  
42 100  
74 125.7 93.8 140.6  
44 6.6 4.6 6.8





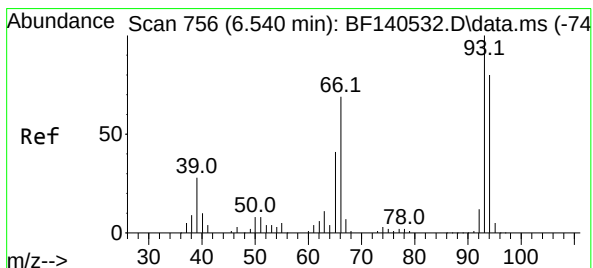
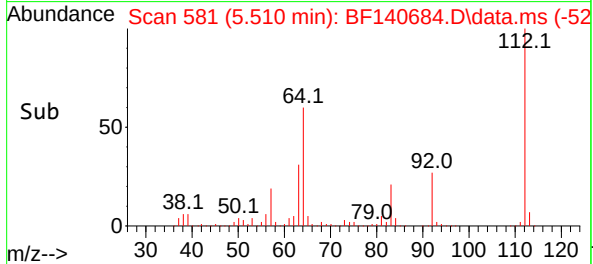
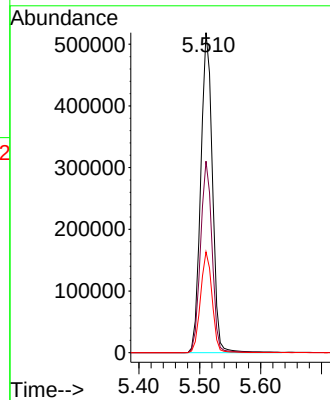
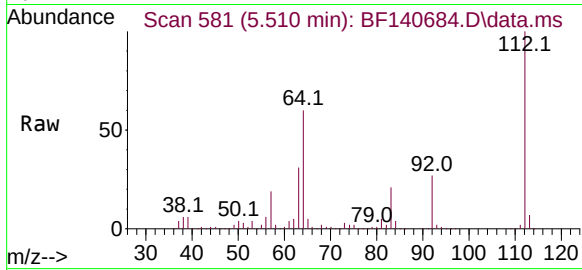
#5  
2-Fluorophenol  
Concen: 146.652 ng  
RT: 5.510 min Scan# 51  
Delta R.T. 0.012 min  
Lab File: BF140684.D  
Acq: 02 Dec 2024 11:49

Instrument :  
BNA\_F  
ClientSampleId :  
PB165296BSD

Tgt Ion:112 Resp: 69280  
Ion Ratio Lower Upper  
112 100  
64 59.8 49.2 73.8  
63 31.5 27.0 40.4

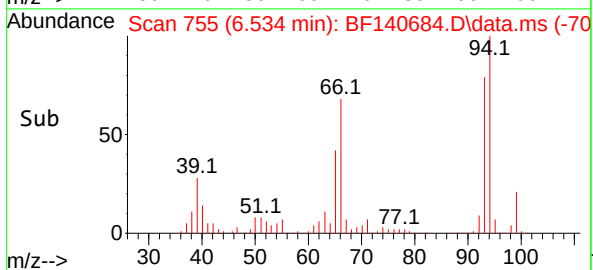
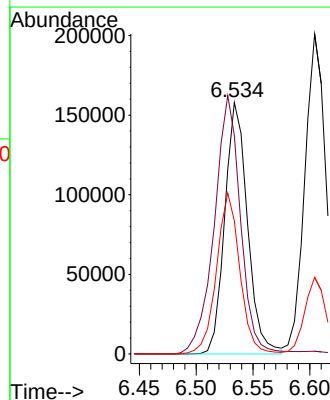
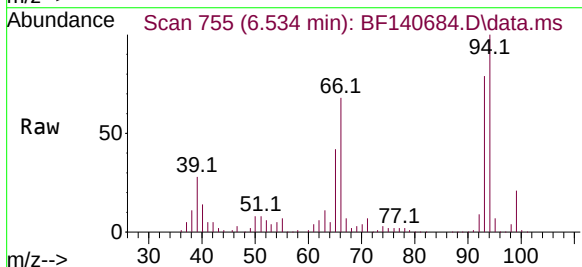
Manual Integrations  
APPROVED

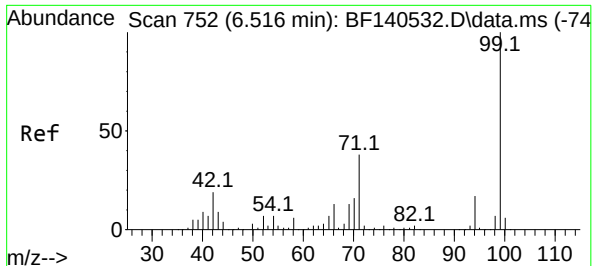
Reviewed By :Yogesh Patel 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024



#6  
Aniline  
Concen: 50.035 ng  
RT: 6.534 min Scan# 755  
Delta R.T. -0.006 min  
Lab File: BF140684.D  
Acq: 02 Dec 2024 11:49

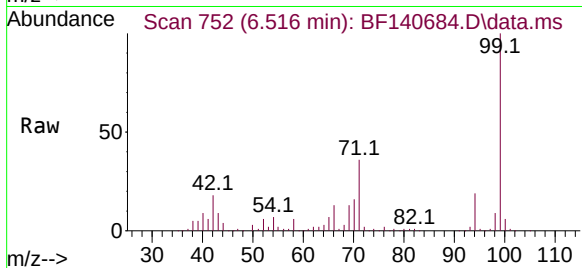
Tgt Ion: 93 Resp: 219946  
Ion Ratio Lower Upper  
93 100  
66 87.0 56.5 84.7#  
65 53.0 32.9 49.3#





#7  
Phenol-d6  
Concen: 144.646 ng  
RT: 6.516 min Scan# 752  
Delta R.T. -0.000 min  
Lab File: BF140684.D  
Acq: 02 Dec 2024 11:49

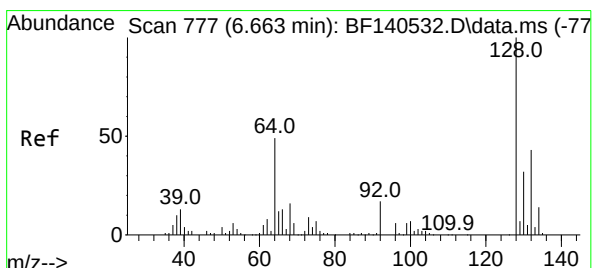
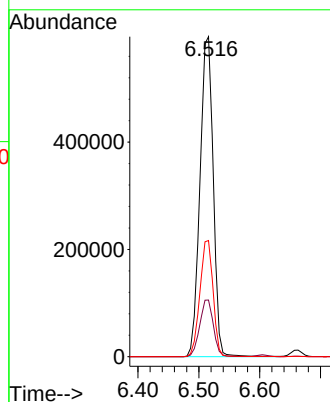
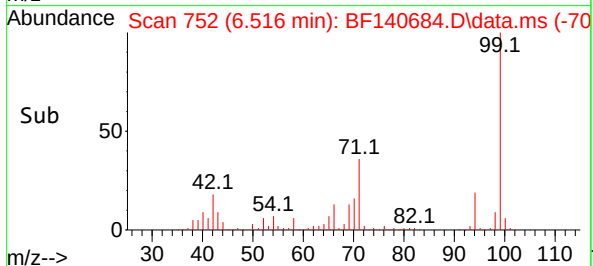
Instrument :  
BNA\_F  
ClientSampleId :  
PB165296BSD



Tgt Ion: 99 Resp: 903370  
Ion Ratio Lower Upper  
99 100  
42 17.7 15.4 23.0  
71 36.3 30.6 46.0

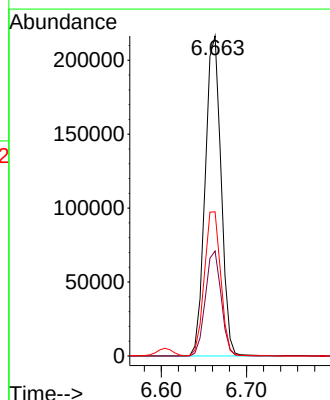
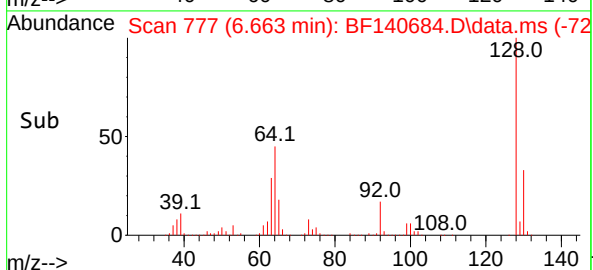
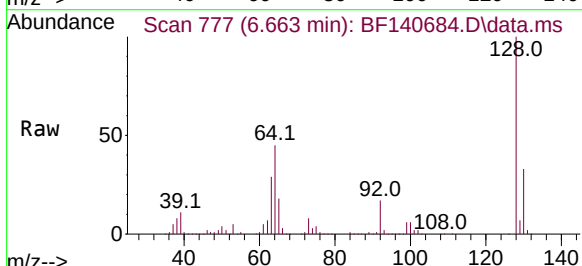
Manual Integrations  
**APPROVED**

Reviewed By :Yogesh Patel 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024

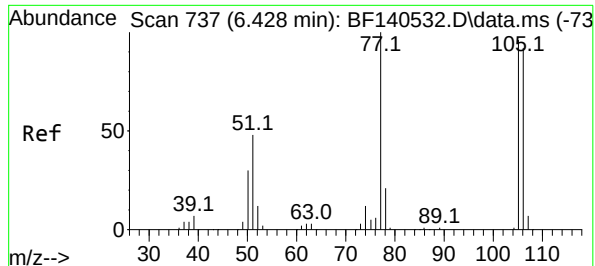


#8  
2-Chlorophenol  
Concen: 55.121 ng  
RT: 6.663 min Scan# 777  
Delta R.T. -0.000 min  
Lab File: BF140684.D  
Acq: 02 Dec 2024 11:49

Tgt Ion:128 Resp: 280150  
Ion Ratio Lower Upper  
128 100  
130 32.8 12.3 52.3  
64 45.1 30.2 70.2







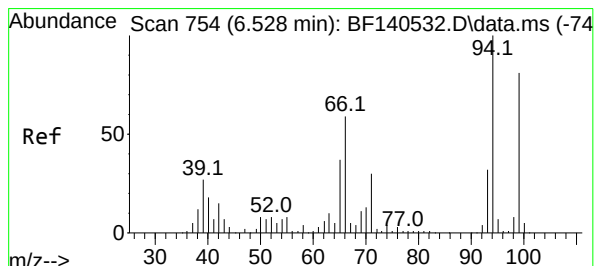
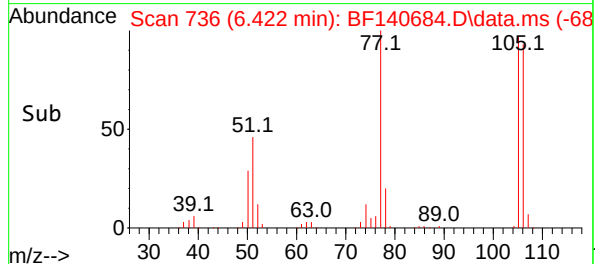
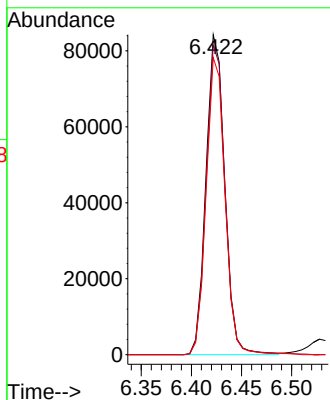
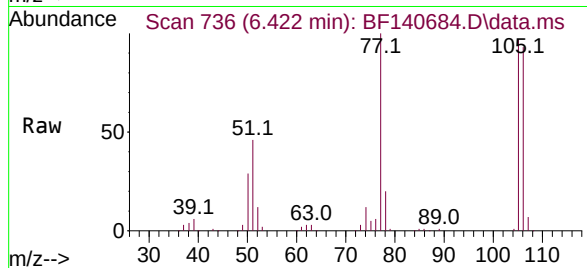
#9  
Benzaldehyde  
Concen: 33.145 ng  
RT: 6.422 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: BF140684.D  
Acq: 02 Dec 2024 11:49

Instrument :  
BNA\_F  
ClientSampleId :  
PB165296BSD

Tgt Ion: 77 Resp: 109584  
Ion Ratio Lower Upper  
77 100  
105 96.8 75.6 115.6  
106 92.9 72.0 112.0

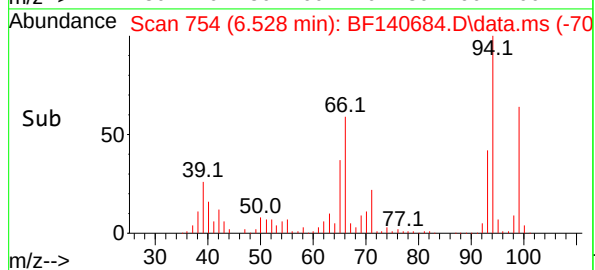
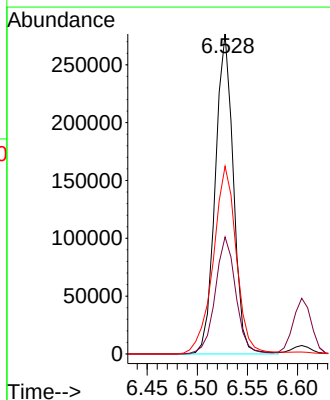
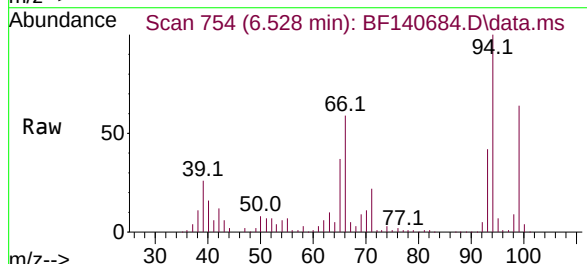
Manual Integrations  
**APPROVED**

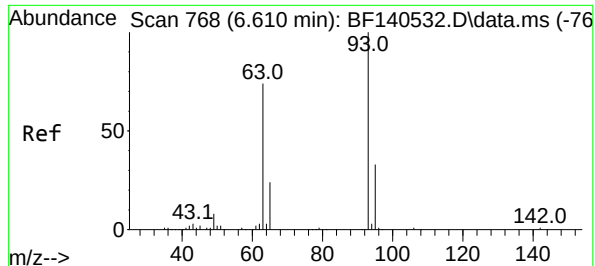
Reviewed By :Yogesh Patel 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024



#10  
Phenol  
Concen: 54.316 ng  
RT: 6.528 min Scan# 754  
Delta R.T. -0.000 min  
Lab File: BF140684.D  
Acq: 02 Dec 2024 11:49

Tgt Ion: 94 Resp: 346438  
Ion Ratio Lower Upper  
94 100  
65 36.5 17.2 57.2  
66 58.7 39.2 79.2





#11

bis(2-Chloroethyl)ether

Concen: 52.785 ng

RT: 6.604 min Scan# 768

Delta R.T. -0.006 min

Lab File: BF140684.D

Acq: 02 Dec 2024 11:49

Instrument :

BNA\_F

ClientSampleId :

PB165296BSD

Tgt Ion: 93 Resp: 257628

Ion Ratio Lower Upper

93 100

63 74.0 52.8 92.8

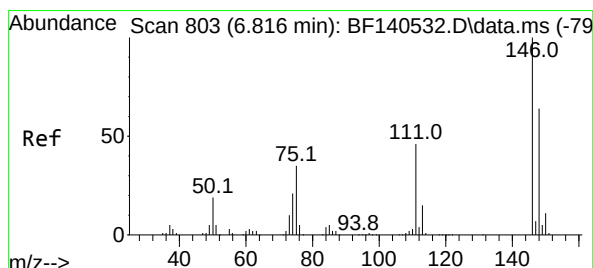
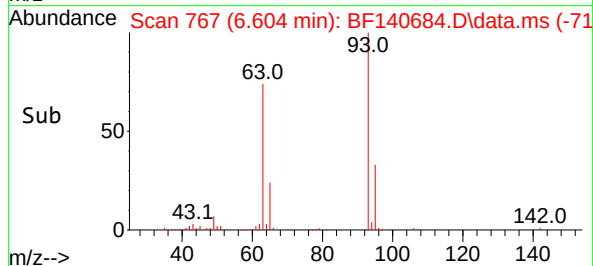
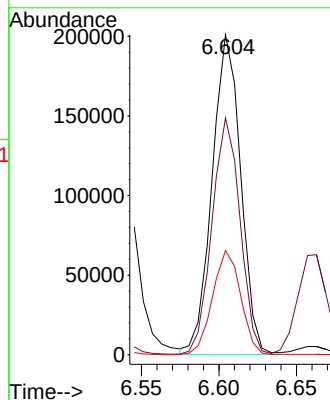
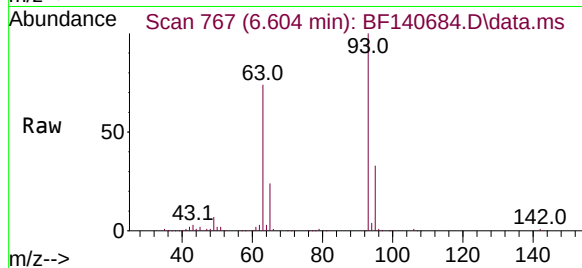
95 32.6 12.3 52.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/03/2024

Supervised By :mohammad ahmed 12/05/2024



#12

1,3-Dichlorobenzene

Concen: 51.167 ng

RT: 6.810 min Scan# 802

Delta R.T. -0.006 min

Lab File: BF140684.D

Acq: 02 Dec 2024 11:49

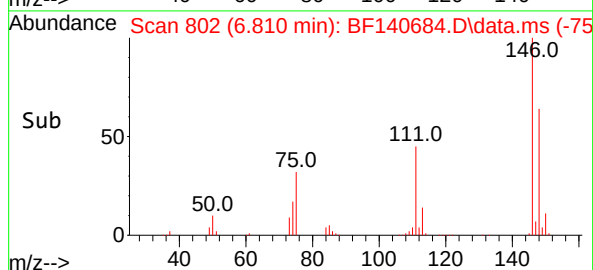
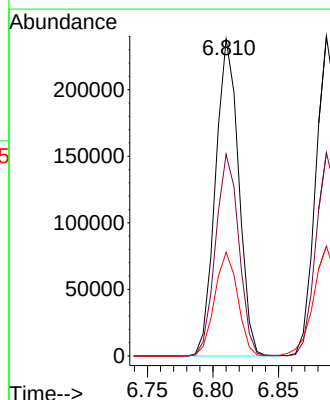
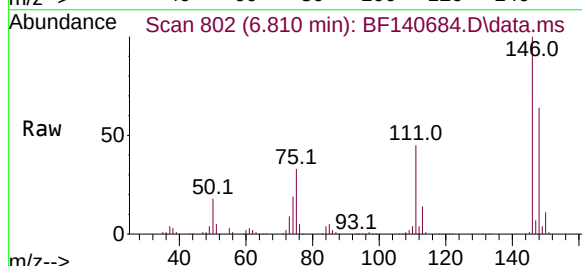
Tgt Ion:146 Resp: 292210

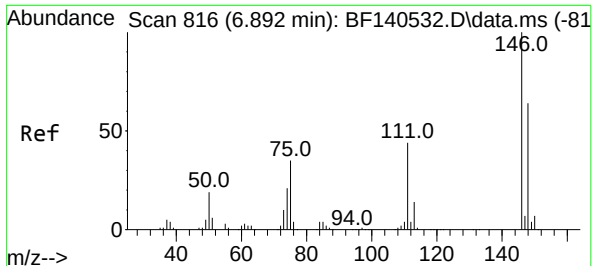
Ion Ratio Lower Upper

146 100

148 63.6 51.3 76.9

75 32.7 28.2 42.2





#13

1,4-Dichlorobenzene

Concen: 51.114 ng

RT: 6.886 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF140684.D

Acq: 02 Dec 2024 11:49

Instrument :

BNA\_F

ClientSampleId :

PB165296BSD

Tgt Ion:146 Resp: 29556

Ion Ratio Lower Upper

146 100

148 63.6 51.0 76.6

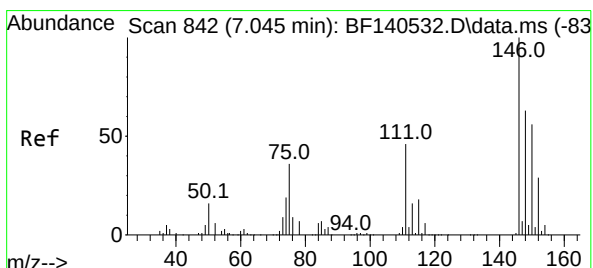
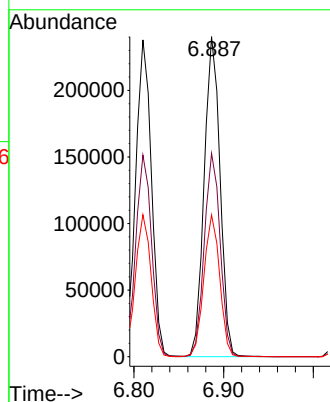
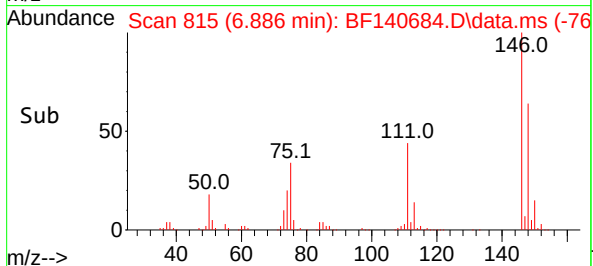
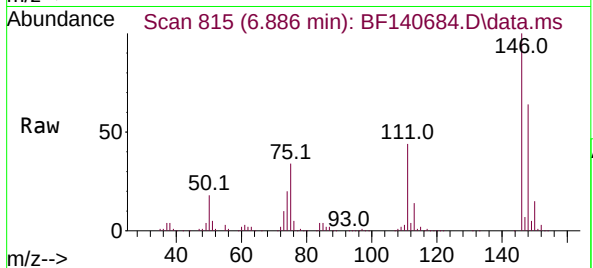
111 44.3 35.3 52.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/03/2024

Supervised By :mohammad ahmed 12/05/2024



#14

1,2-Dichlorobenzene

Concen: 51.859 ng

RT: 7.039 min Scan# 841

Delta R.T. -0.006 min

Lab File: BF140684.D

Acq: 02 Dec 2024 11:49

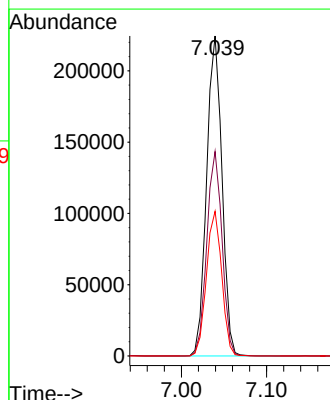
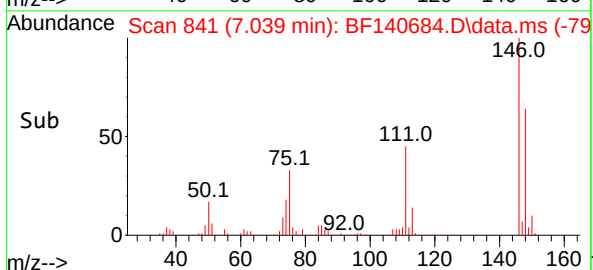
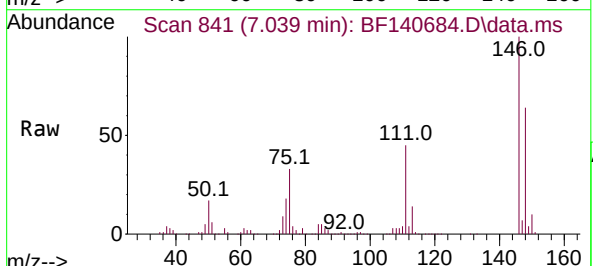
Tgt Ion:146 Resp: 280995

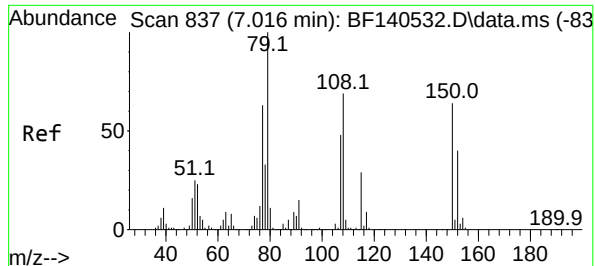
Ion Ratio Lower Upper

146 100

148 63.9 50.5 75.7

111 45.2 36.7 55.1





#15

Benzyl Alcohol

Concen: 55.307 ng

RT: 7.016 min Scan# 81

Delta R.T. -0.000 min

Lab File: BF140684.D

Acq: 02 Dec 2024 11:49

Instrument :

BNA\_F

ClientSampleId :

PB165296BSD

Tgt Ion: 79 Resp: 25616

Ion Ratio Lower Upper

79 100

108 73.5 55.0 82.6

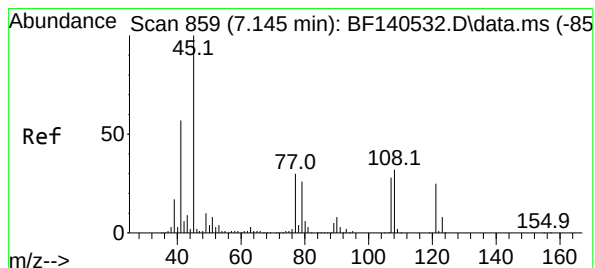
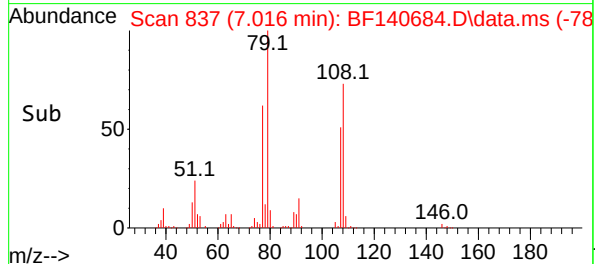
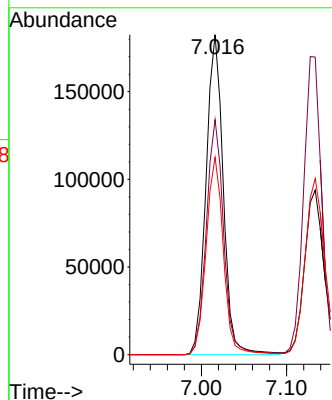
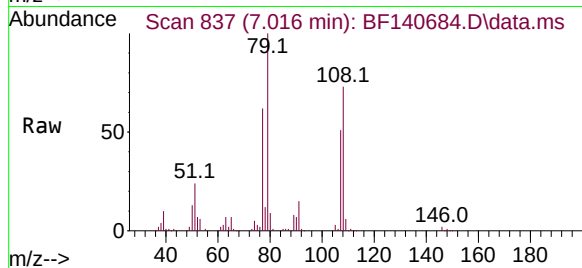
77 61.7 50.1 75.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/03/2024

Supervised By :mohammad ahmed 12/05/2024



#16

2,2'-oxybis(1-Chloropropane)

Concen: 55.742 ng

RT: 7.139 min Scan# 858

Delta R.T. -0.006 min

Lab File: BF140684.D

Acq: 02 Dec 2024 11:49

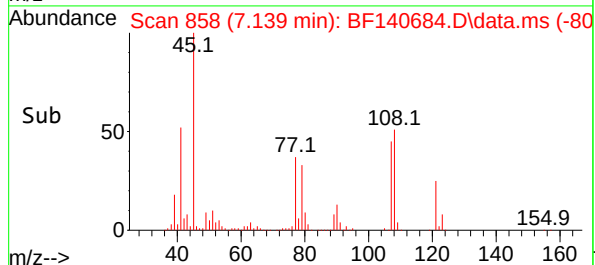
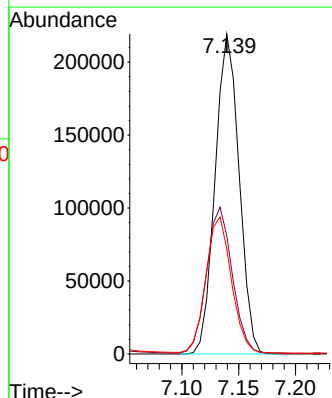
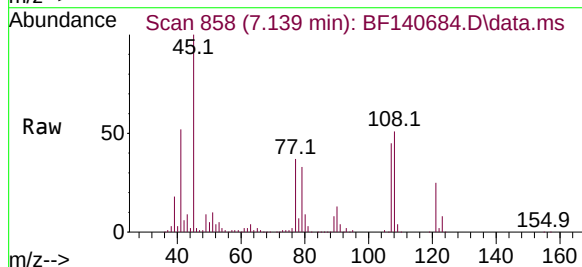
Tgt Ion: 45 Resp: 321414

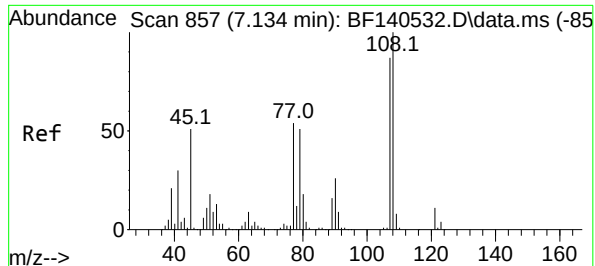
Ion Ratio Lower Upper

45 100

77 37.0 10.7 50.7

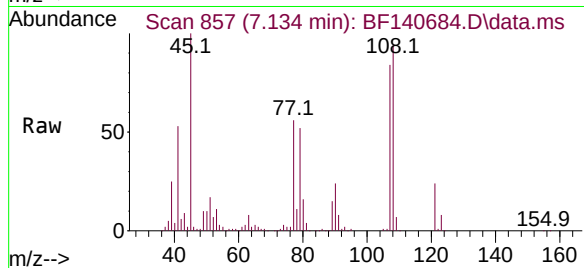
79 33.0 7.0 47.0





#17  
2-Methylphenol  
Concen: 54.093 ng  
RT: 7.134 min Scan# 857  
Delta R.T. -0.000 min  
Lab File: BF140684.D  
Acq: 02 Dec 2024 11:49

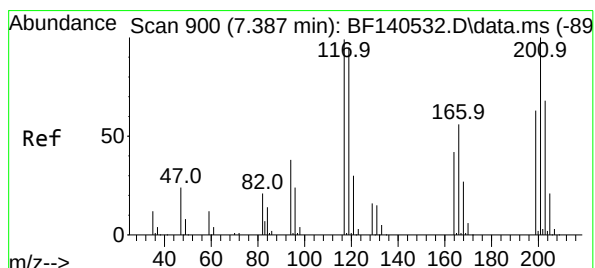
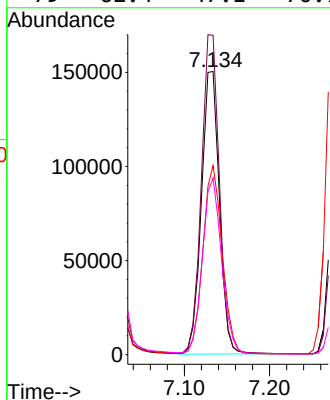
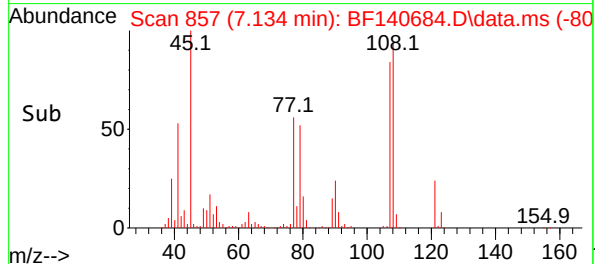
Instrument :  
BNA\_F  
ClientSampleId :  
PB165296BSD



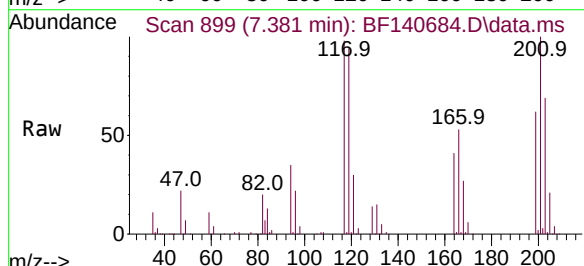
Tgt Ion:107 Resp: 22007  
Ion Ratio Lower Upper  
107 100  
108 112.8 91.7 137.5  
77 66.8 49.3 73.9  
79 62.4 47.1 70.7

Manual Integrations  
**APPROVED**

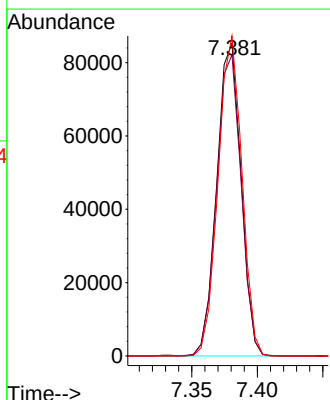
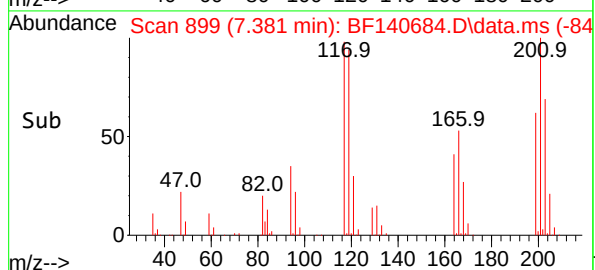
Reviewed By :Yogesh Patel 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024

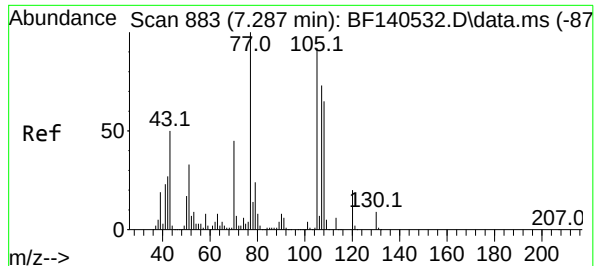


#18  
Hexachloroethane  
Concen: 50.844 ng  
RT: 7.381 min Scan# 899  
Delta R.T. -0.006 min  
Lab File: BF140684.D  
Acq: 02 Dec 2024 11:49



Tgt Ion:117 Resp: 109807  
Ion Ratio Lower Upper  
117 100  
119 96.3 77.1 115.7  
201 102.4 81.1 121.7





#19

n-Nitroso-di-n-propylamine

Concen: 52.036 ng

RT: 7.281 min Scan# 882

Delta R.T. -0.006 min

Lab File: BF140684.D

Acq: 02 Dec 2024 11:49

Instrument :

BNA\_F

ClientSampleId :

PB165296BSD

Tgt Ion: 70 Resp: 192068

Ion Ratio Lower Upper

70 100

42 57.7 47.6 71.4

101 9.7 7.6 11.4

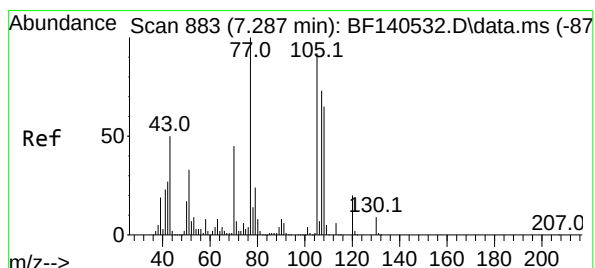
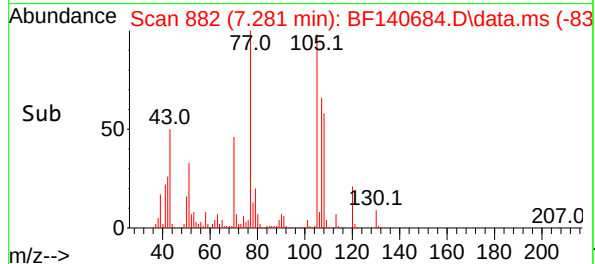
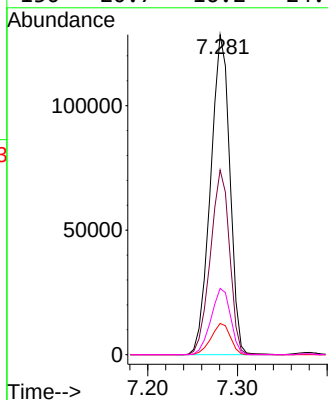
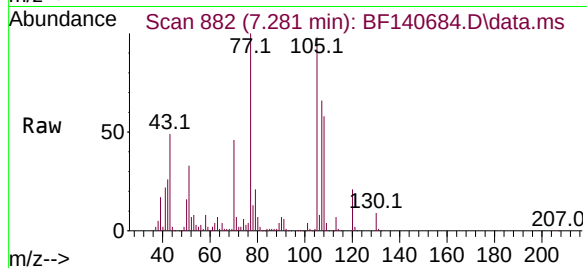
130 20.7 16.2 24.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/03/2024

Supervised By :mohammad ahmed 12/05/2024



#20

3+4-Methylphenols

Concen: 54.497 ng

RT: 7.286 min Scan# 883

Delta R.T. -0.000 min

Lab File: BF140684.D

Acq: 02 Dec 2024 11:49

Tgt Ion:107 Resp: 284988

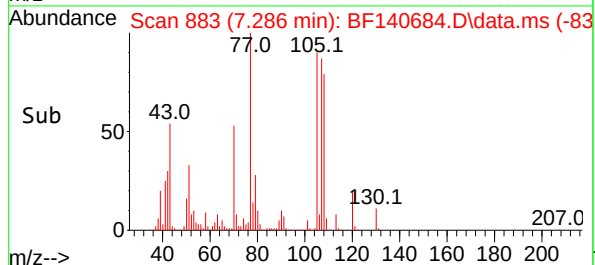
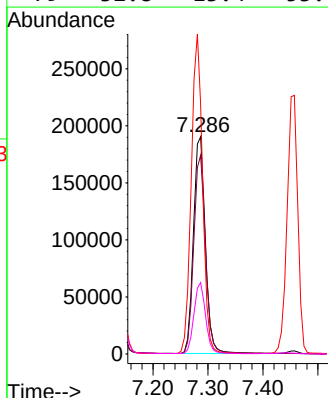
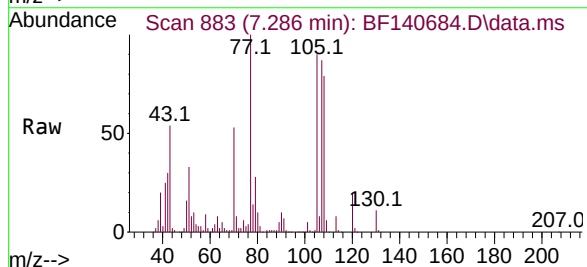
Ion Ratio Lower Upper

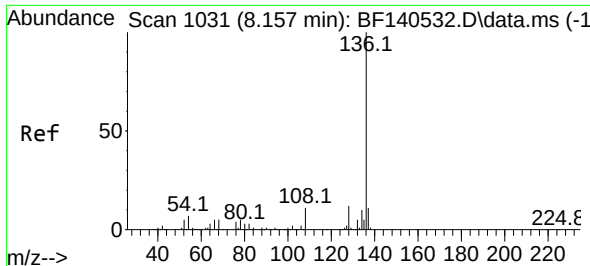
107 100

108 91.4 69.9 109.9

77 115.2 117.7 157.7#

79 32.8 13.4 53.4





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.151 min Scan# 1031

Delta R.T. -0.006 min

Lab File: BF140684.D

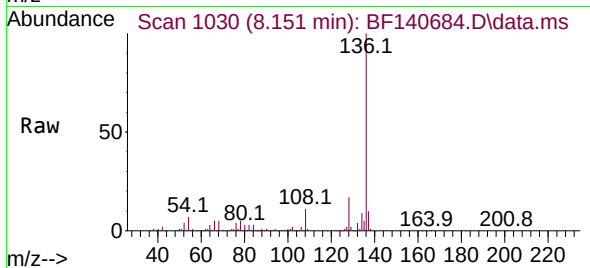
Acq: 02 Dec 2024 11:49

Instrument :

BNA\_F

ClientSampleId :

PB165296BSD



Tgt Ion:136 Resp: 30807

Ion Ratio Lower Upper

136 100

137 10.5 8.6 13.0

54 7.0 5.8 8.8

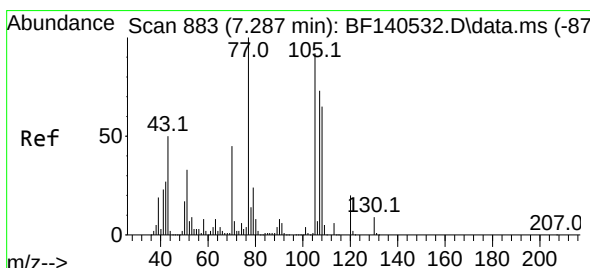
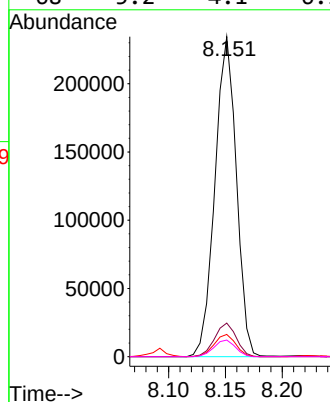
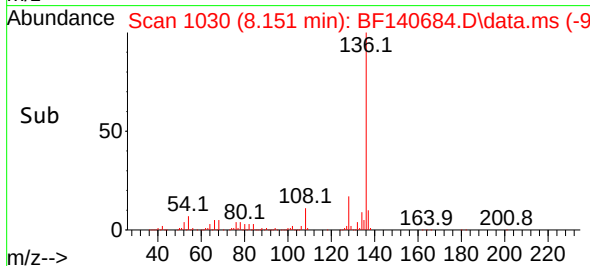
68 5.2 4.1 6.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/03/2024

Supervised By :mohammad ahmed 12/05/2024



#22

Acetophenone

Concen: 50.435 ng

RT: 7.281 min Scan# 882

Delta R.T. -0.006 min

Lab File: BF140684.D

Acq: 02 Dec 2024 11:49

Tgt Ion:105 Resp: 378802

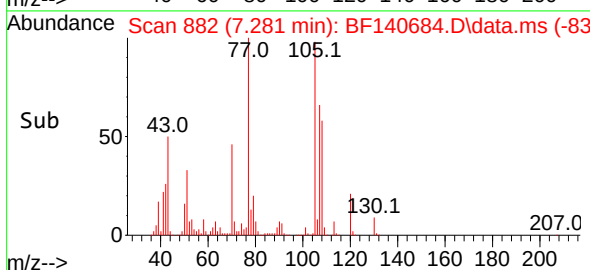
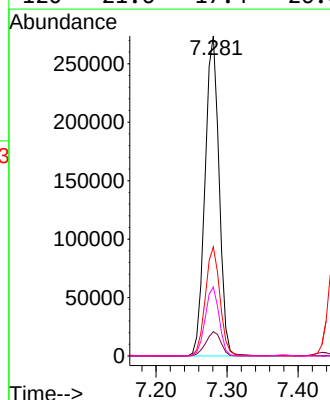
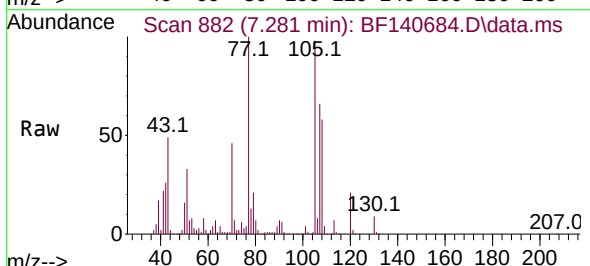
Ion Ratio Lower Upper

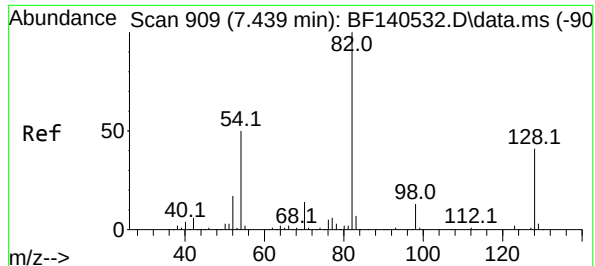
105 100

71 7.6 6.2 9.2

51 34.1 29.0 43.6

120 21.6 17.4 26.0





#23

Nitrobenzene-d5

Concen: 96.695 ng

RT: 7.434 min Scan# 909

Delta R.T. -0.006 min

Lab File: BF140684.D

Acq: 02 Dec 2024 11:49

Instrument :

BNA\_F

ClientSampleId :

PB165296BSD

Tgt Ion: 82 Resp: 582394

Ion Ratio Lower Upper

82 100

128 42.5 33.0 49.4

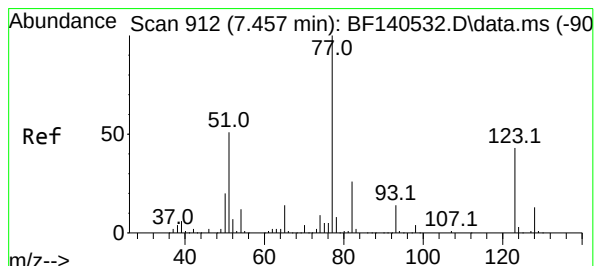
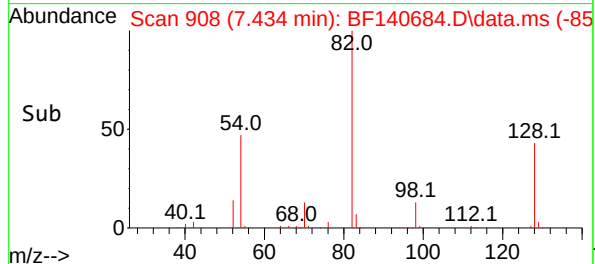
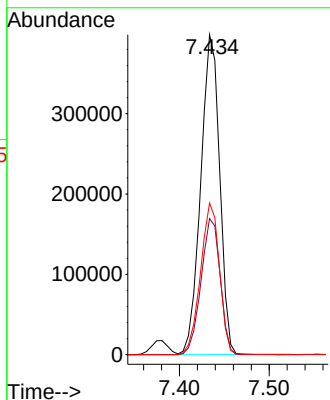
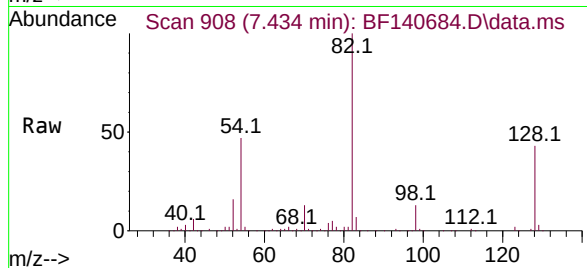
54 47.4 39.5 59.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/03/2024

Supervised By :mohammad ahmed 12/05/2024



#24

Nitrobenzene

Concen: 49.004 ng

RT: 7.457 min Scan# 912

Delta R.T. -0.000 min

Lab File: BF140684.D

Acq: 02 Dec 2024 11:49

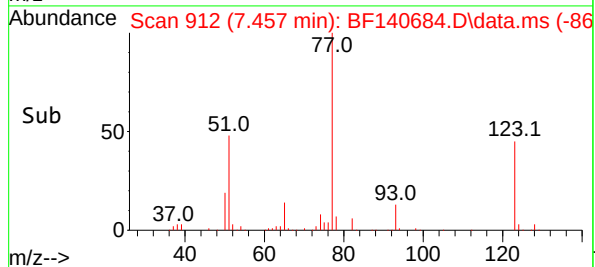
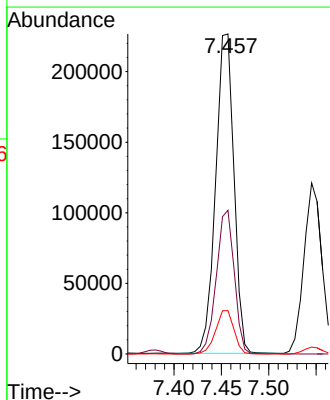
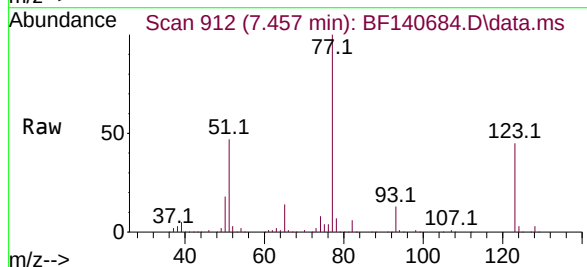
Tgt Ion: 77 Resp: 305048

Ion Ratio Lower Upper

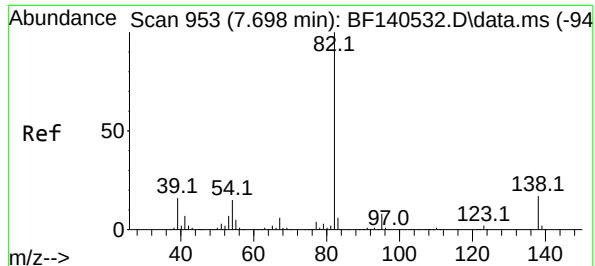
77 100

123 44.9 34.3 51.5

65 13.6 11.2 16.8







#25

Isophorone

Concen: 52.524 ng

RT: 7.692 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF140684.D

Acq: 02 Dec 2024 11:49

Instrument :

BNA\_F

ClientSampleId :

PB165296BSD

Tgt Ion: 82 Resp: 52764

Ion Ratio Lower Upper

82 100

95 7.8 6.4 9.6

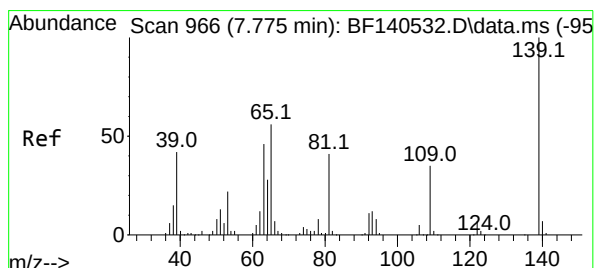
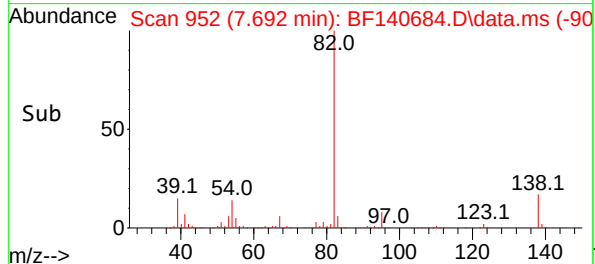
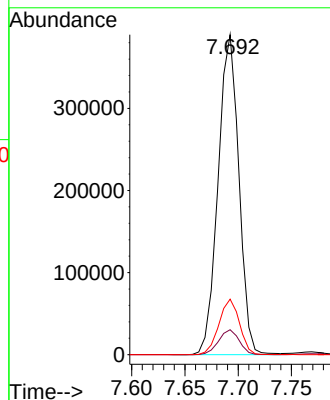
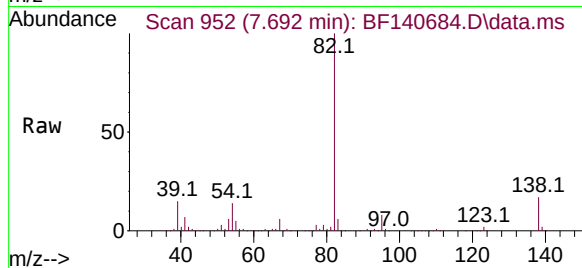
138 17.4 13.8 20.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/03/2024

Supervised By :mohammad ahmed 12/05/2024



#26

2-Nitrophenol

Concen: 53.696 ng

RT: 7.769 min Scan# 965

Delta R.T. -0.006 min

Lab File: BF140684.D

Acq: 02 Dec 2024 11:49

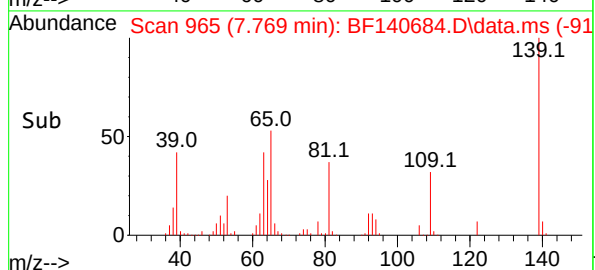
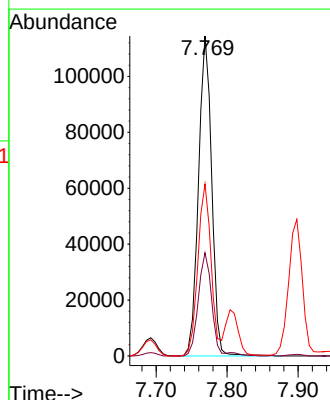
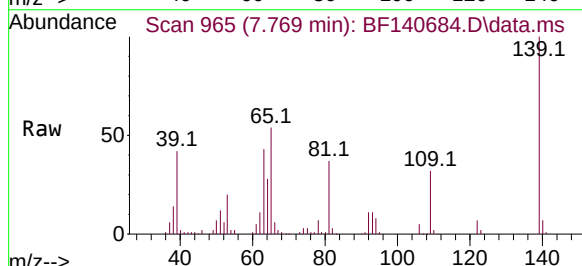
Tgt Ion:139 Resp: 148127

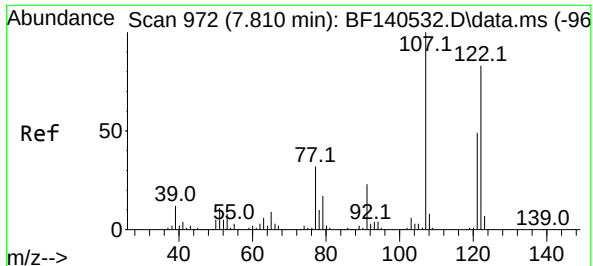
Ion Ratio Lower Upper

139 100

109 32.3 28.0 42.0

65 53.8 44.6 67.0





#27

2,4-Dimethylphenol

Concen: 67.349 ng

RT: 7.804 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF140684.D

Acq: 02 Dec 2024 11:49

Instrument :

BNA\_F

ClientSampleId :

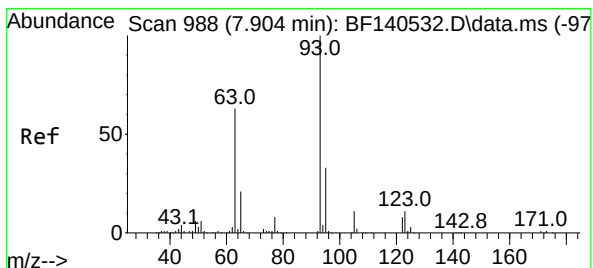
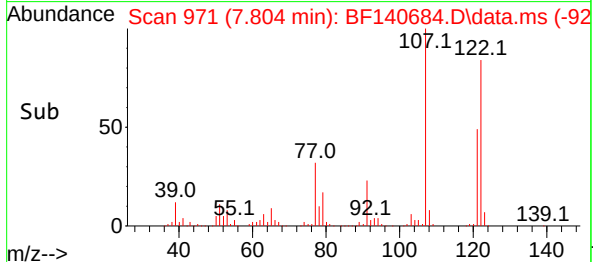
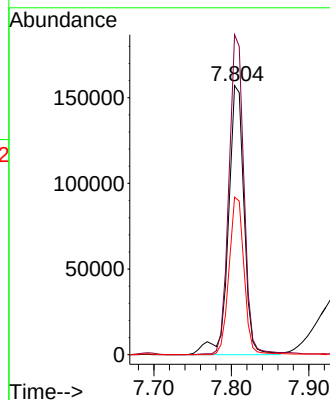
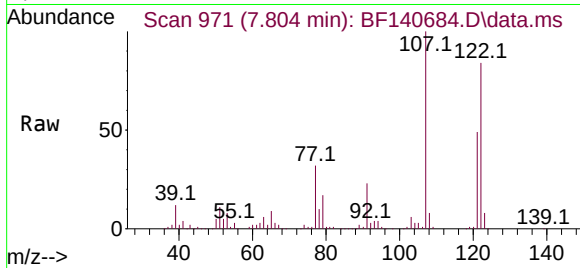
PB165296BSD

Tgt Ion:122 Resp: 222294  
Ion Ratio Lower Upper  
122 100  
107 118.9 96.8 145.2  
121 58.6 47.4 71.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024



#28

bis(2-Chloroethoxy)methane

Concen: 52.142 ng

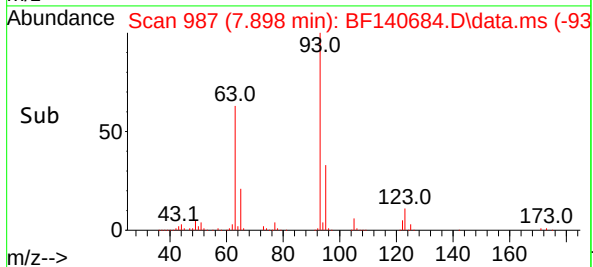
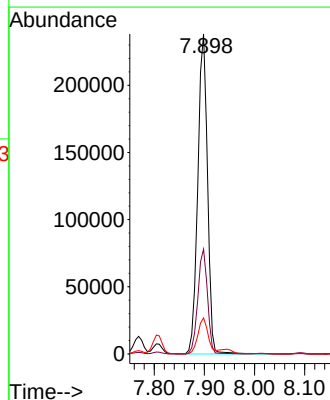
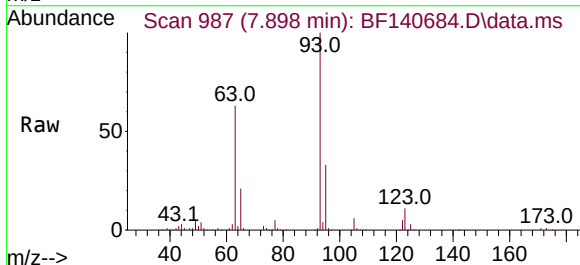
RT: 7.898 min Scan# 987

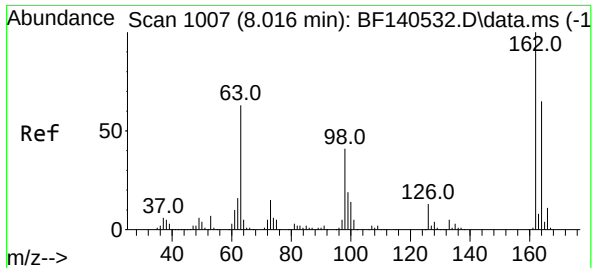
Delta R.T. -0.006 min

Lab File: BF140684.D

Acq: 02 Dec 2024 11:49

Tgt Ion: 93 Resp: 319108  
Ion Ratio Lower Upper  
93 100  
95 32.7 26.1 39.1  
123 11.2 9.1 13.7





#29  
2,4-Dichlorophenol  
Concen: 53.869 ng  
RT: 8.016 min Scan# 1007  
Delta R.T. -0.000 min  
Lab File: BF140684.D  
Acq: 02 Dec 2024 11:49

Instrument :

BNA\_F

ClientSampleId :

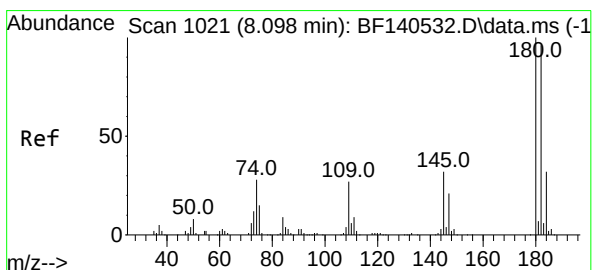
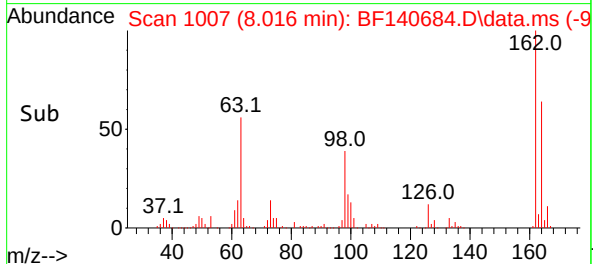
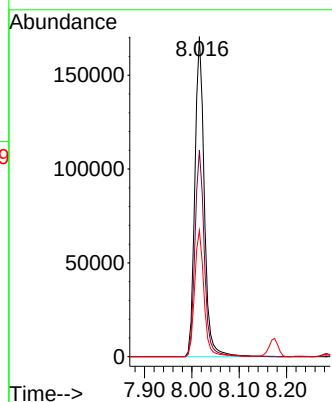
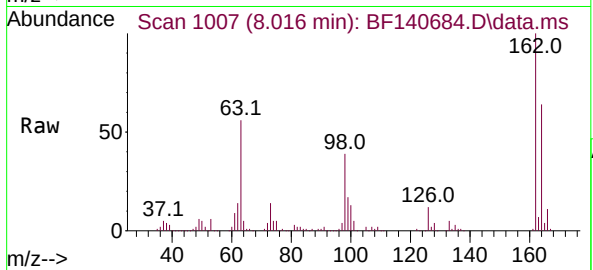
PB165296BSD

Tgt Ion:162 Resp: 235592  
Ion Ratio Lower Upper  
162 100  
164 64.5 44.8 84.8  
98 39.4 21.2 61.2

Manual Integrations

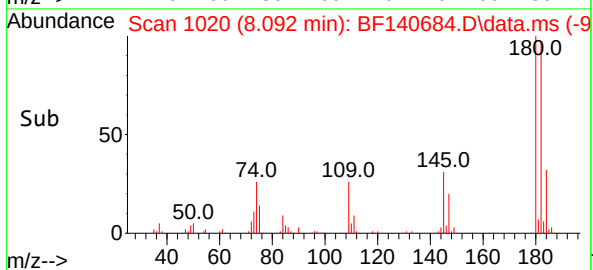
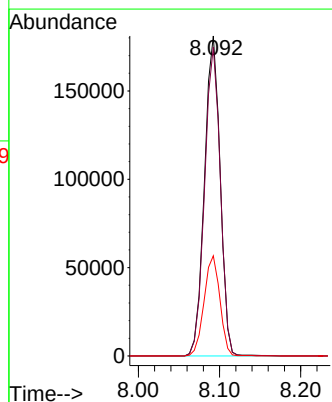
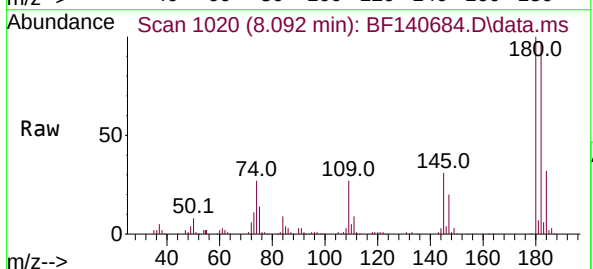
APPROVED

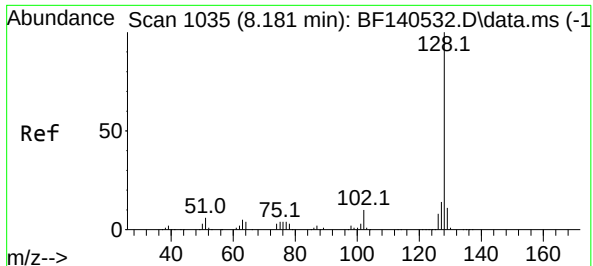
Reviewed By :Yogesh Patel 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024



#30  
1,2,4-Trichlorobenzene  
Concen: 48.660 ng  
RT: 8.092 min Scan# 1020  
Delta R.T. -0.006 min  
Lab File: BF140684.D  
Acq: 02 Dec 2024 11:49

Tgt Ion:180 Resp: 242992  
Ion Ratio Lower Upper  
180 100  
182 96.6 76.4 114.6  
145 31.3 25.9 38.9





#31

Naphthalene

Concen: 51.278 ng

RT: 8.175 min Scan# 1034

Delta R.T. -0.006 min

Lab File: BF140684.D

Acq: 02 Dec 2024 11:49

Instrument :

BNA\_F

ClientSampleId :

PB165296BSD

Tgt Ion:128 Resp: 813708

Ion Ratio Lower Upper

128 100

129 11.1 8.6 13.0

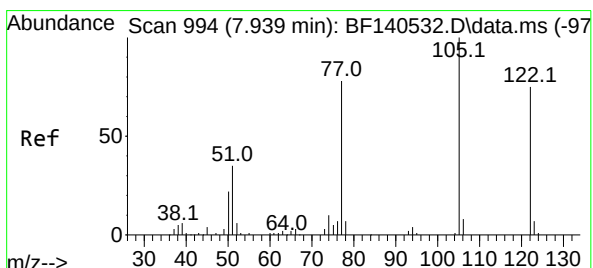
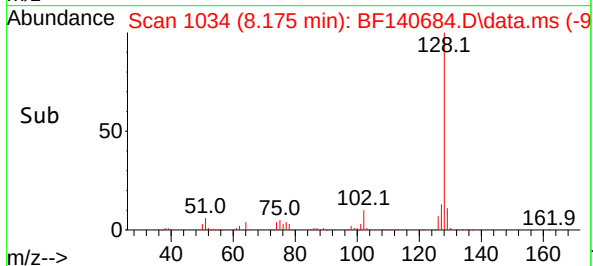
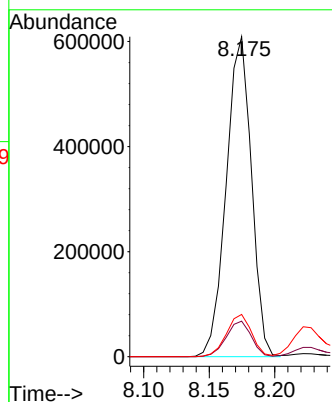
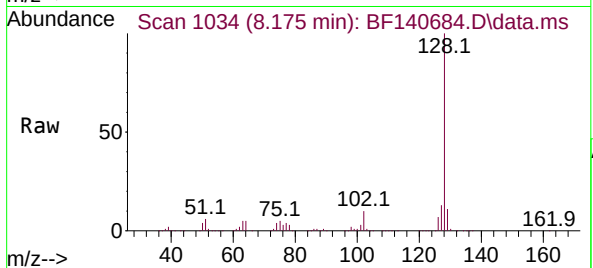
127 13.2 10.8 16.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/03/2024

Supervised By :mohammad ahmed 12/05/2024



#32

Benzoic acid

Concen: 44.116 ng

RT: 7.945 min Scan# 995

Delta R.T. 0.006 min

Lab File: BF140684.D

Acq: 02 Dec 2024 11:49

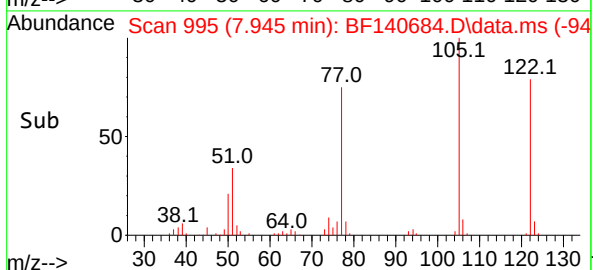
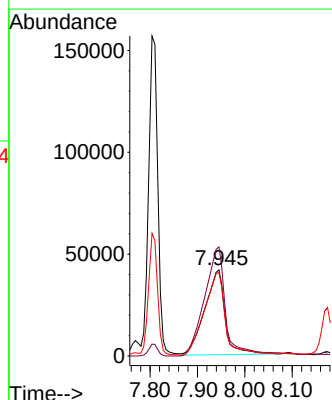
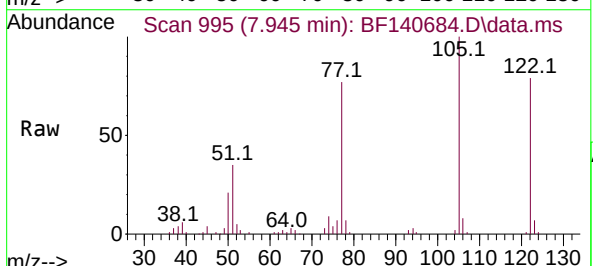
Tgt Ion:122 Resp: 124745

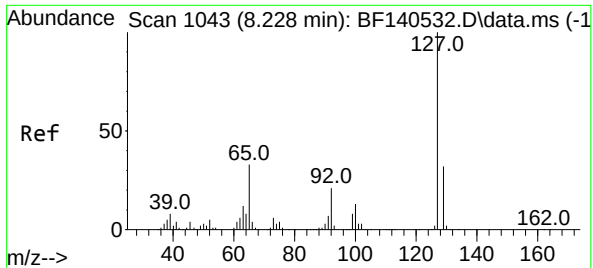
Ion Ratio Lower Upper

122 100

105 126.7 109.3 149.3

77 97.2 82.3 122.3





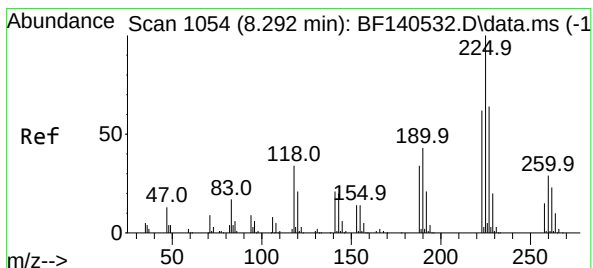
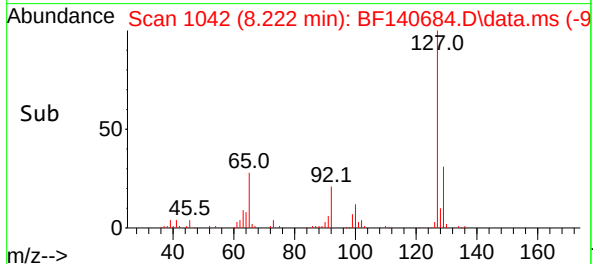
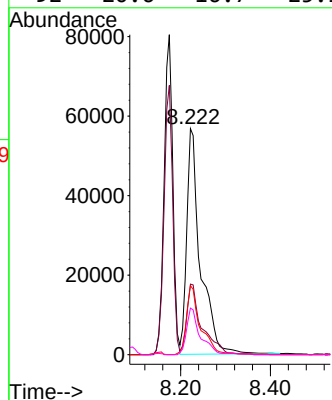
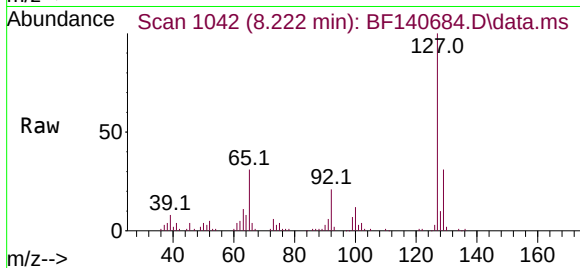
#33  
4-Chloroaniline  
Concen: 25.394 ng  
RT: 8.222 min Scan# 1042  
Delta R.T. -0.006 min  
Lab File: BF140684.D  
Acq: 02 Dec 2024 11:49

Instrument :  
BNA\_F  
ClientSampleId :  
PB165296BSD

Tgt Ion:127 Resp: 120649  
Ion Ratio Lower Upper  
127 100  
129 31.2 26.0 39.0  
65 30.6 26.0 39.0  
92 20.6 16.7 25.1

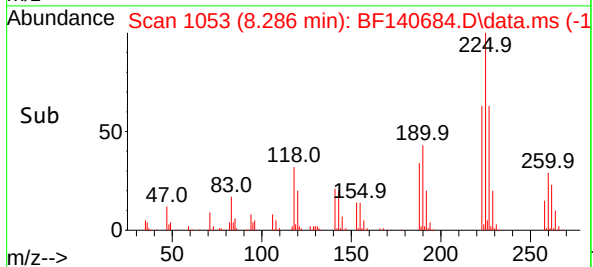
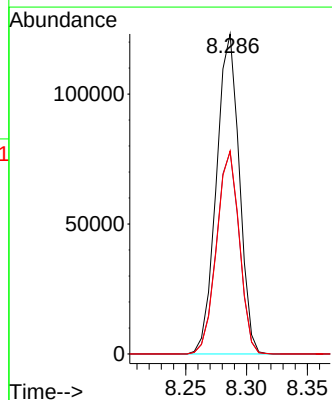
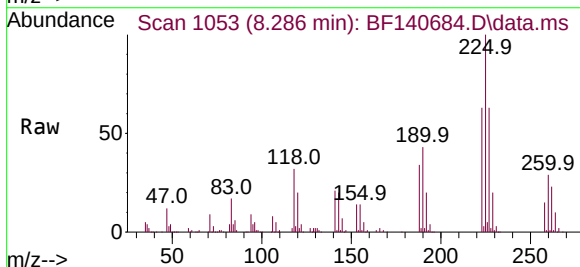
Manual Integrations  
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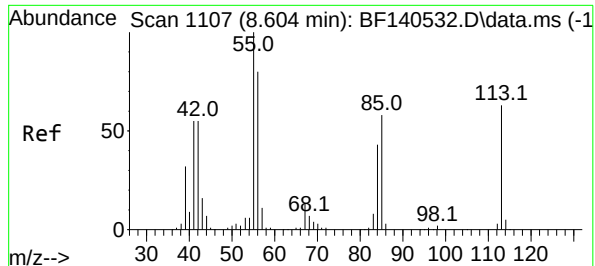
Reviewed By :Yogesh Patel 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024



#34  
Hexachlorobutadiene  
Concen: 48.661 ng  
RT: 8.286 min Scan# 1053  
Delta R.T. -0.006 min  
Lab File: BF140684.D  
Acq: 02 Dec 2024 11:49

Tgt Ion:225 Resp: 160950  
Ion Ratio Lower Upper  
225 100  
223 63.2 49.8 74.8  
227 63.4 51.3 76.9





#35

Caprolactam

Concen: 55.882 ng m

RT: 8.598 min Scan# 1106

Delta R.T. -0.006 min

Lab File: BF140684.D

Acq: 02 Dec 2024 11:49

Instrument :

BNA\_F

ClientSampleId :

PB165296BSD

Tgt Ion:113 Resp: 75630

Ion Ratio Lower Upper

113 100

55 150.8 137.7 177.7

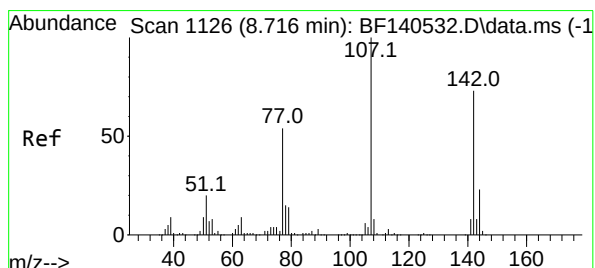
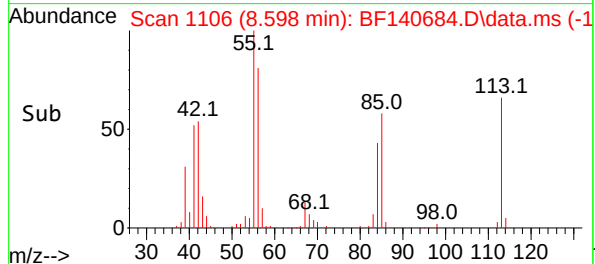
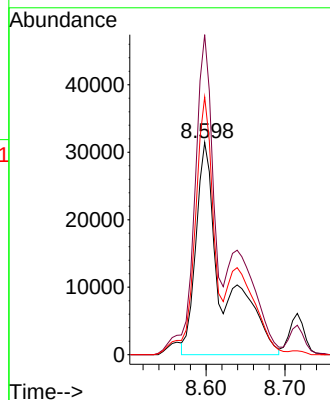
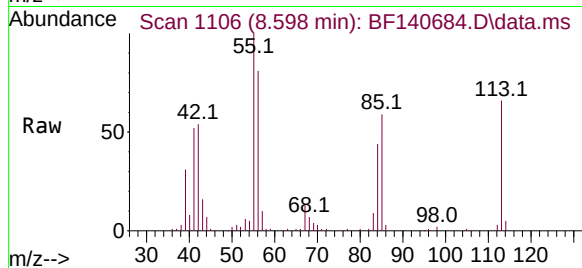
56 121.4 106.4 146.4

Manual Integrations

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Reviewed By :Yogesh Patel 12/03/2024

Supervised By :mohammad ahmed 12/05/2024



#36

4-Chloro-3-methylphenol

Concen: 53.492 ng

RT: 8.716 min Scan# 1126

Delta R.T. -0.000 min

Lab File: BF140684.D

Acq: 02 Dec 2024 11:49

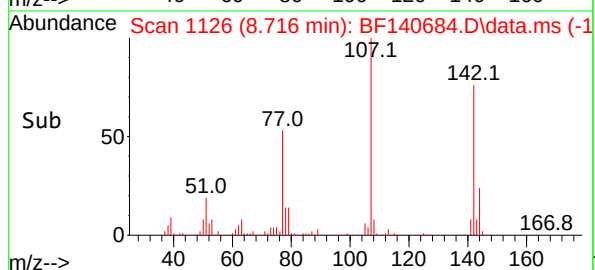
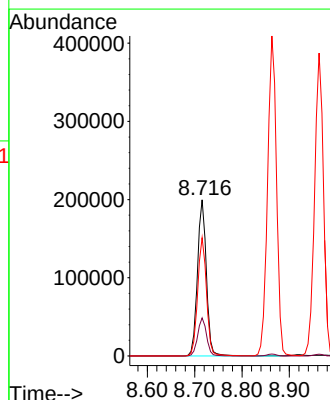
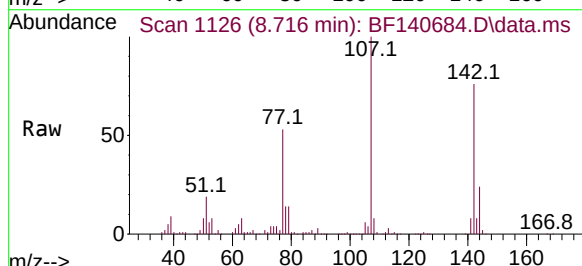
Tgt Ion:107 Resp: 261939

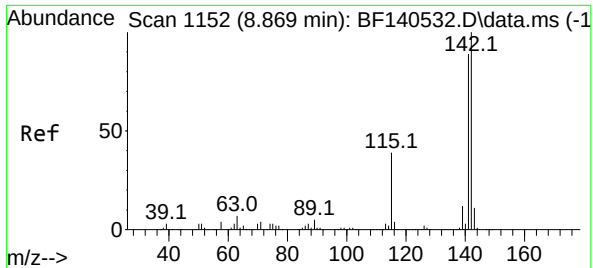
Ion Ratio Lower Upper

107 100

144 24.4 18.7 28.1

142 75.7 58.3 87.5





#37

2-Methylnaphthalene

Concen: 53.157 ng

RT: 8.863 min Scan# 1151

Delta R.T. -0.006 min

Lab File: BF140684.D

Acq: 02 Dec 2024 11:49

Instrument :

BNA\_F

ClientSampleId :

PB165296BSD

Tgt Ion:142 Resp: 53577

Ion Ratio Lower Upper

142 100

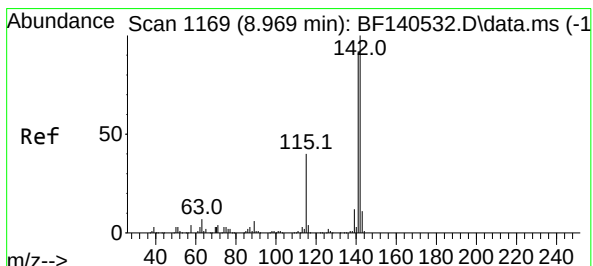
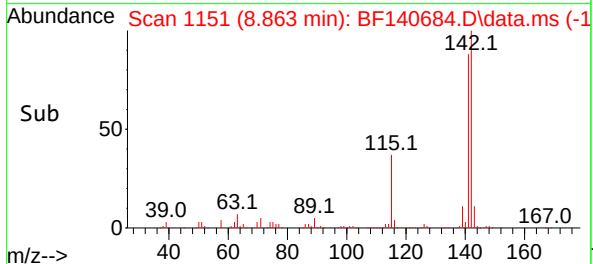
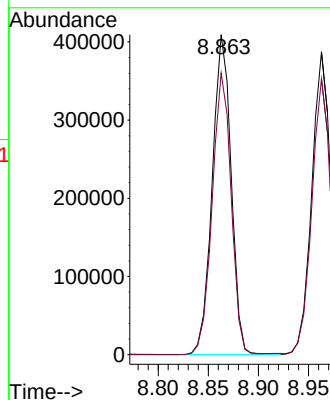
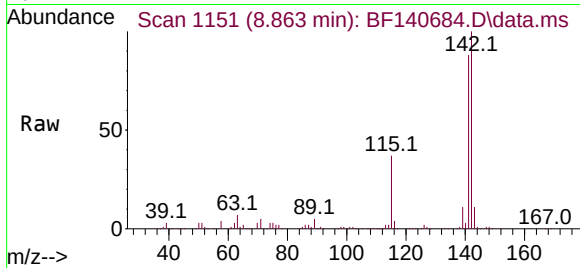
141 88.1 71.0 106.6

Manual Integrations

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Reviewed By :Yogesh Patel 12/03/2024

Supervised By :mohammad ahmed 12/05/2024



#38

1-Methylnaphthalene

Concen: 50.798 ng

RT: 8.963 min Scan# 1168

Delta R.T. -0.006 min

Lab File: BF140684.D

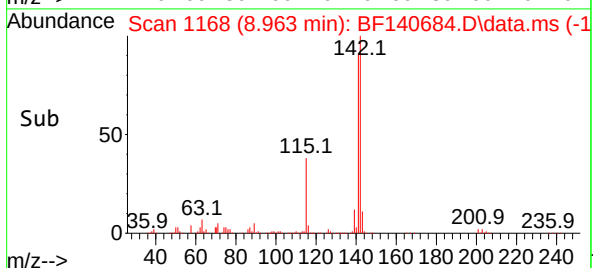
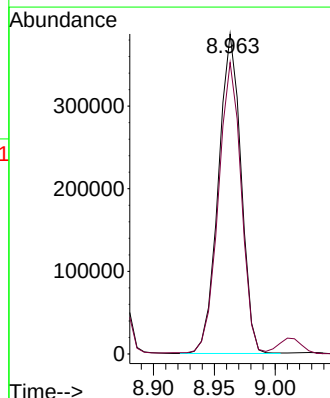
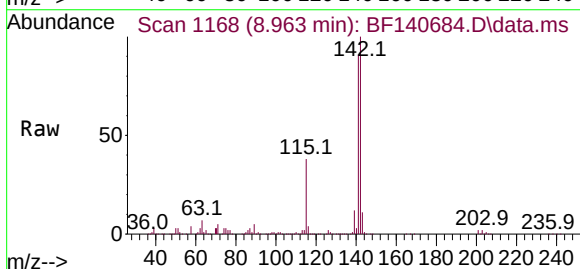
Acq: 02 Dec 2024 11:49

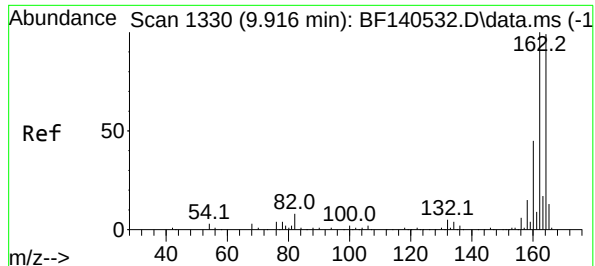
Tgt Ion:142 Resp: 501861

Ion Ratio Lower Upper

142 100

141 91.1 73.3 109.9





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.910 min Scan# 1180

Delta R.T. -0.006 min

Lab File: BF140684.D

Acq: 02 Dec 2024 11:49

Instrument :

BNA\_F

ClientSampleId :

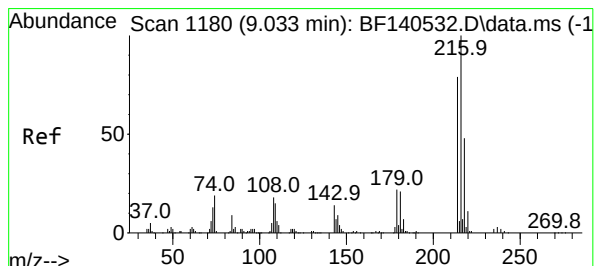
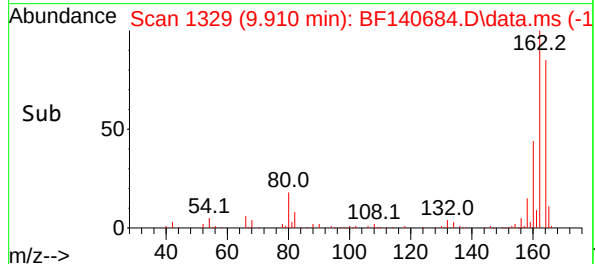
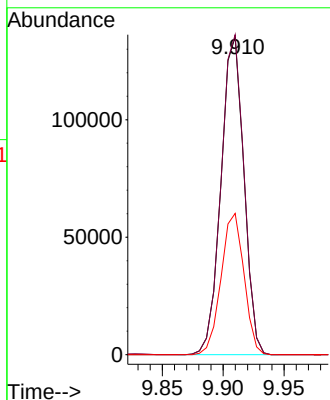
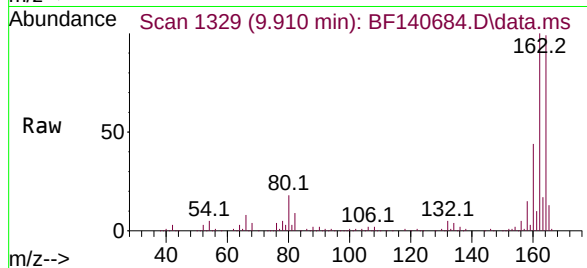
PB165296BSD

Tgt Ion:164 Resp: 176945  
Ion Ratio Lower Upper  
164 100  
162 100.8 80.6 120.8  
160 44.5 36.2 54.4

Manual Integrations

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Reviewed By :Yogesh Patel 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024



#40

1,2,4,5-Tetrachlorobenzene

Concen: 50.594 ng

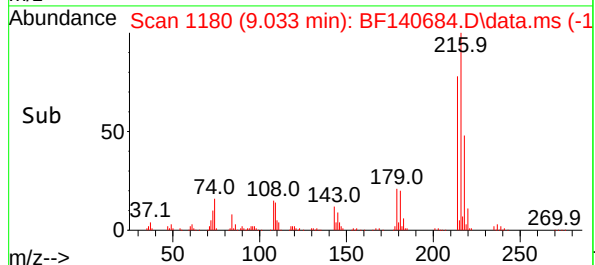
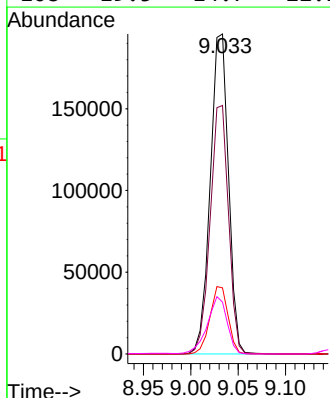
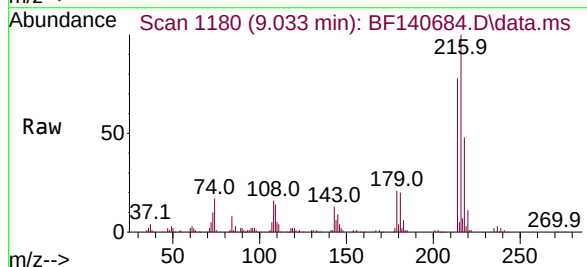
RT: 9.033 min Scan# 1180

Delta R.T. -0.000 min

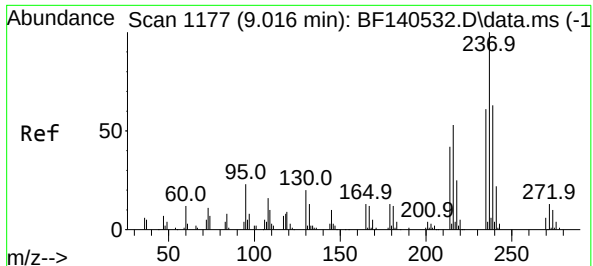
Lab File: BF140684.D

Acq: 02 Dec 2024 11:49

Tgt Ion:216 Resp: 262079  
Ion Ratio Lower Upper  
216 100  
214 78.1 63.0 94.4  
179 21.0 17.5 26.3  
108 19.5 14.7 22.1

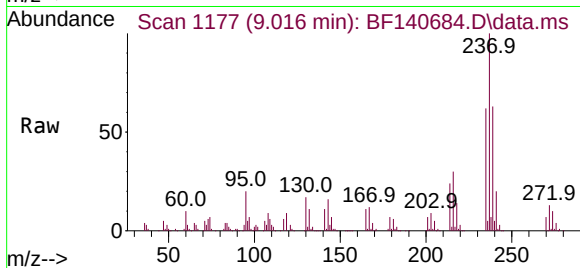






#41  
Hexachlorocyclopentadiene  
Concen: 171.968 ng  
RT: 9.016 min Scan# 1177  
Delta R.T. -0.000 min  
Lab File: BF140684.D  
Acq: 02 Dec 2024 11:49

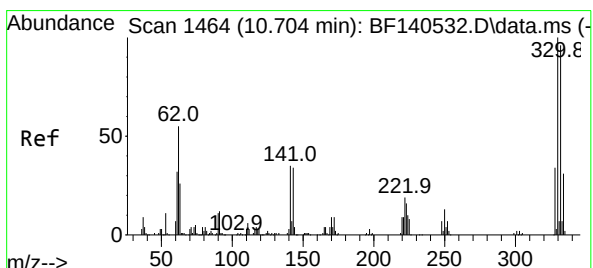
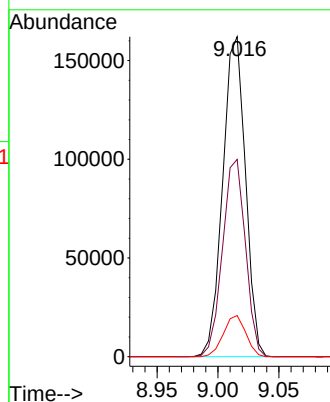
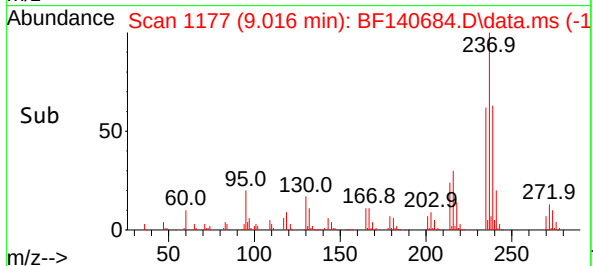
Instrument :  
BNA\_F  
ClientSampleId :  
PB165296BSD



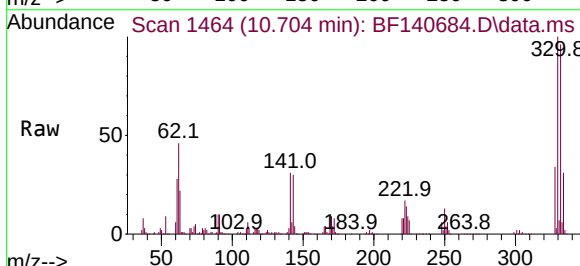
Tgt Ion:237 Resp: 21097  
Ion Ratio Lower Upper  
237 100  
235 61.7 41.1 81.1  
272 12.9 0.0 32.6

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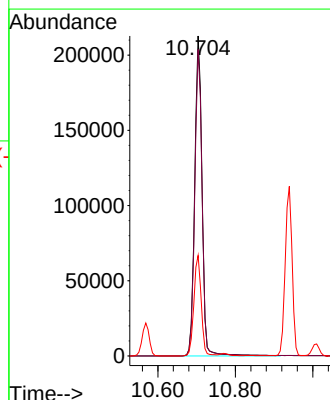
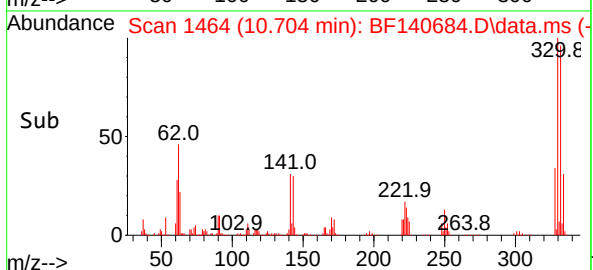
Reviewed By :Yogesh Patel 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024

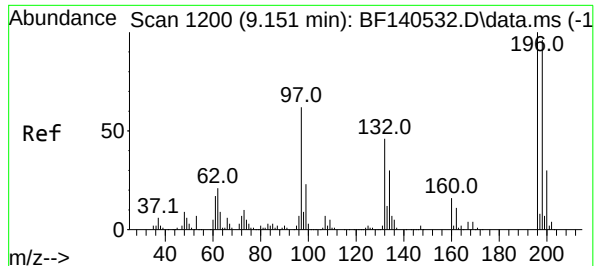


#42  
2,4,6-Tribromophenol  
Concen: 148.597 ng  
RT: 10.704 min Scan# 1464  
Delta R.T. -0.000 min  
Lab File: BF140684.D  
Acq: 02 Dec 2024 11:49



Tgt Ion:330 Resp: 281210  
Ion Ratio Lower Upper  
330 100  
332 95.0 76.9 115.3  
141 31.3 26.7 40.1





#43

2,4,6-Trichlorophenol

Concen: 50.670 ng

RT: 9.145 min Scan# 1199

Delta R.T. -0.006 min

Lab File: BF140684.D

Acq: 02 Dec 2024 11:49

Instrument :

BNA\_F

ClientSampleId :

PB165296BSD

Tgt Ion:196 Resp: 164699

Ion Ratio Lower Upper

196 100

198 94.2 76.8 115.2

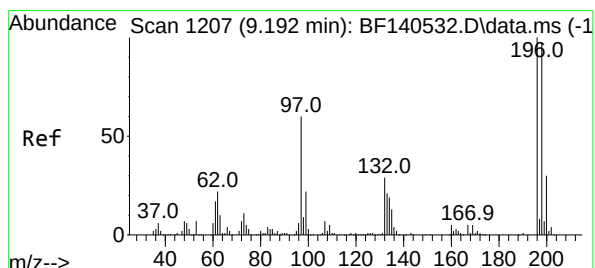
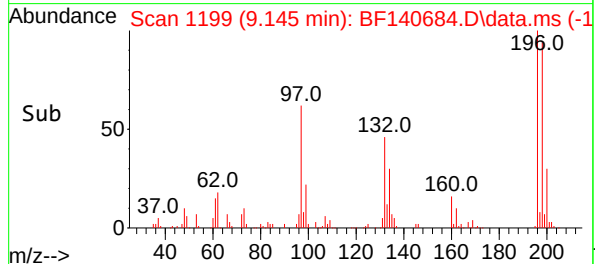
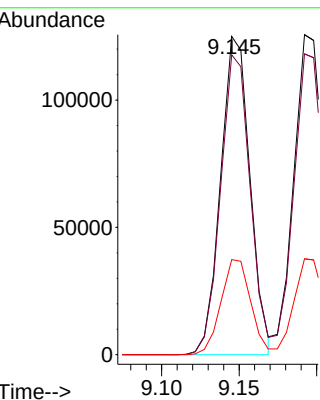
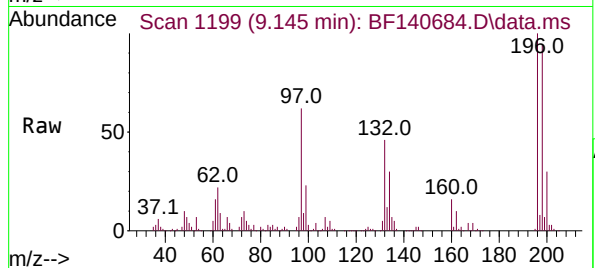
200 29.9 24.3 36.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/03/2024

Supervised By :mohammad ahmed 12/05/2024



#44

2,4,5-Trichlorophenol

Concen: 51.189 ng

RT: 9.192 min Scan# 1207

Delta R.T. -0.000 min

Lab File: BF140684.D

Acq: 02 Dec 2024 11:49

Tgt Ion:196 Resp: 180576

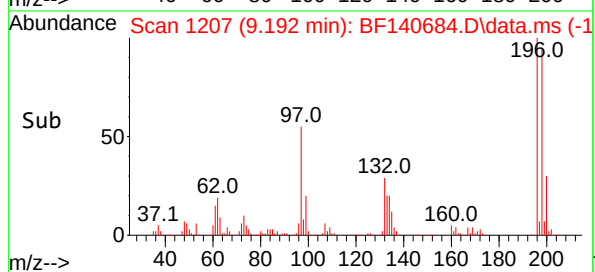
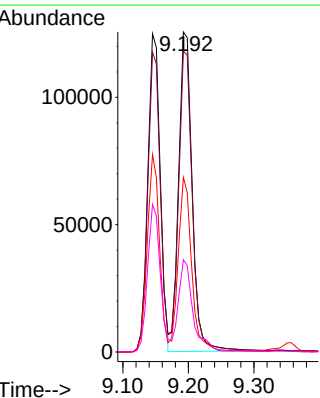
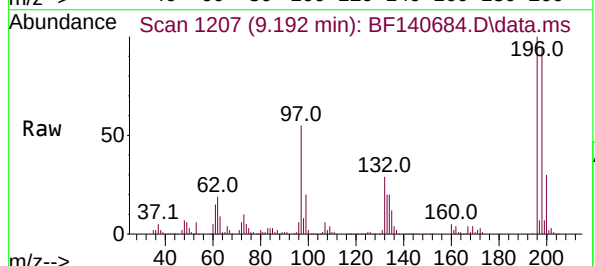
Ion Ratio Lower Upper

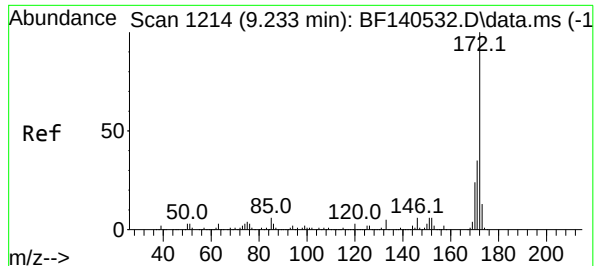
196 100

198 94.0 77.2 115.8

97 54.6 47.1 70.7

132 28.8 24.1 36.1





#45

2-Fluorobiphenyl

Concen: 95.398 ng

RT: 9.228 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF140684.D

Acq: 02 Dec 2024 11:49

Instrument :

BNA\_F

ClientSampleId :

PB165296BSD

Tgt Ion:172 Resp: 1132940

Ion Ratio Lower Upper

172 100

171 35.3 28.4 42.6

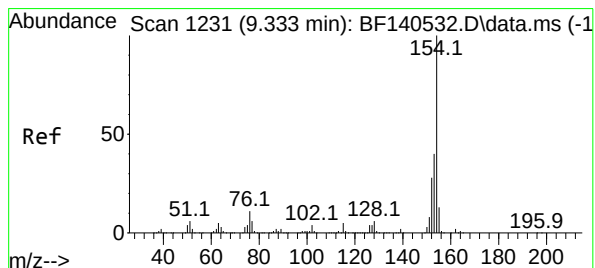
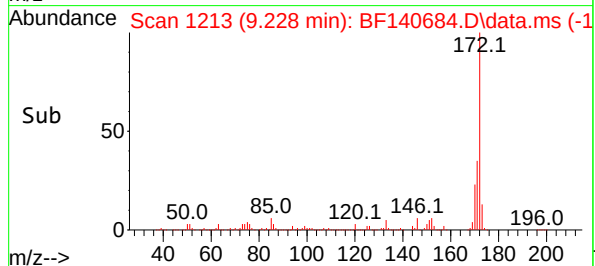
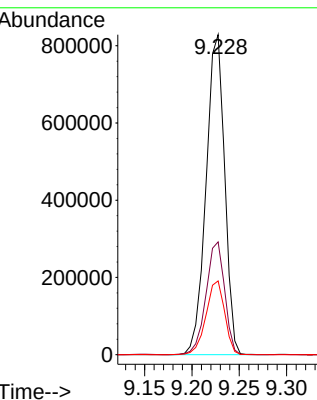
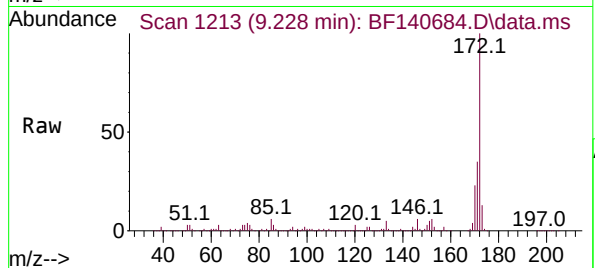
170 23.1 19.0 28.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/03/2024

Supervised By :mohammad ahmed 12/05/2024



#46

1,1'-Biphenyl

Concen: 51.146 ng

RT: 9.328 min Scan# 1230

Delta R.T. -0.006 min

Lab File: BF140684.D

Acq: 02 Dec 2024 11:49

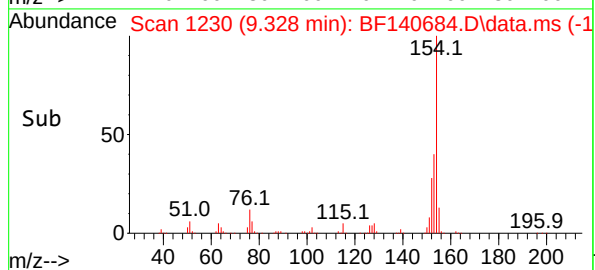
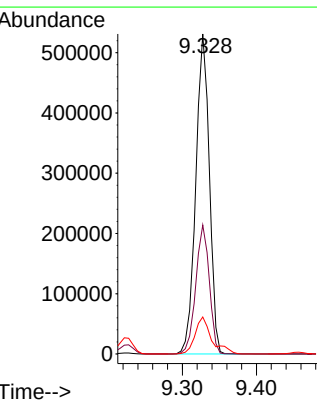
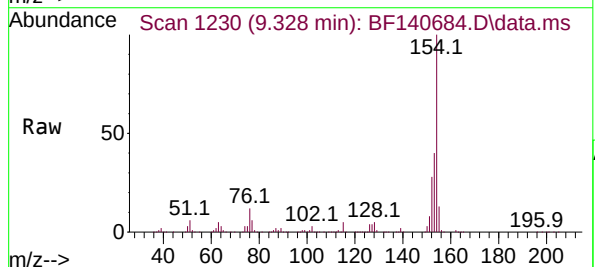
Tgt Ion:154 Resp: 675689

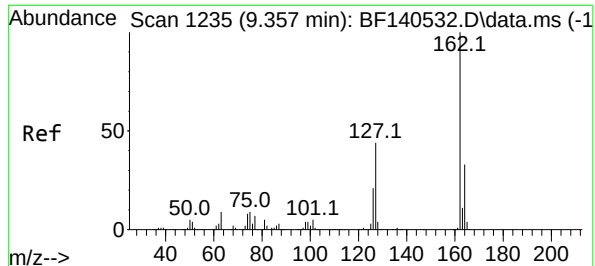
Ion Ratio Lower Upper

154 100

153 40.3 20.4 60.4

76 11.5 0.0 31.2





#47

2-Chloronaphthalene

Concen: 50.756 ng

RT: 9.357 min Scan# 1235

Delta R.T. -0.000 min

Lab File: BF140684.D

Acq: 02 Dec 2024 11:49

Instrument :

BNA\_F

ClientSampleId :

PB165296BSD

Tgt Ion:162 Resp: 508079

Ion Ratio Lower Upper

162 100

127 42.8 35.7 53.5

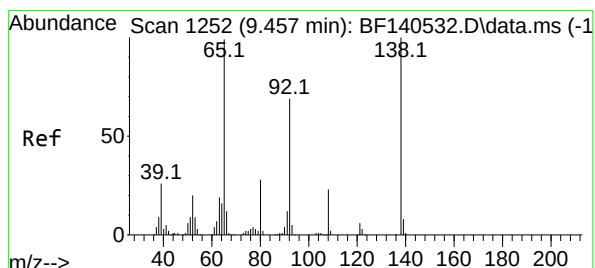
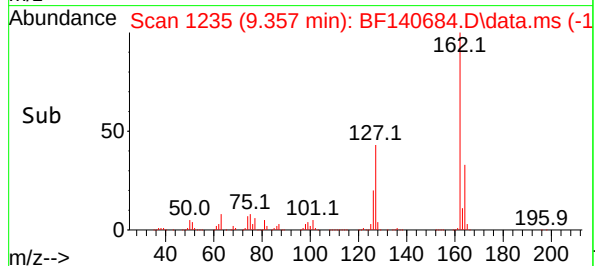
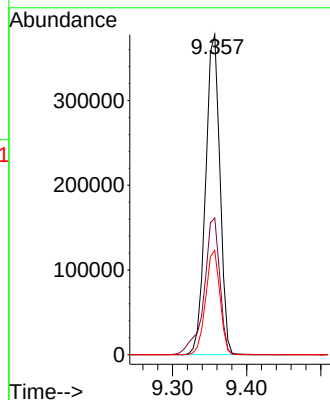
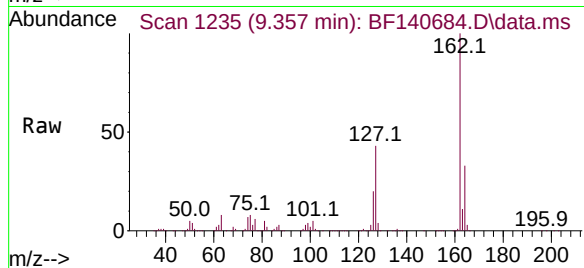
164 32.5 26.1 39.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/03/2024

Supervised By :mohammad ahmed 12/05/2024



#48

2-Nitroaniline

Concen: 51.217 ng

RT: 9.457 min Scan# 1252

Delta R.T. -0.000 min

Lab File: BF140684.D

Acq: 02 Dec 2024 11:49

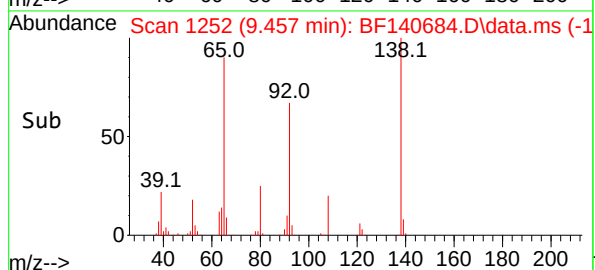
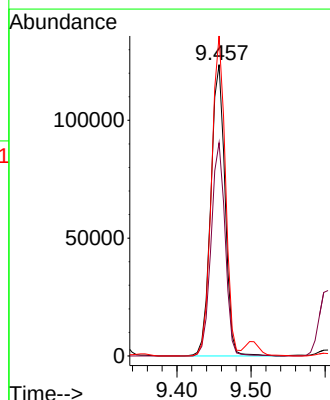
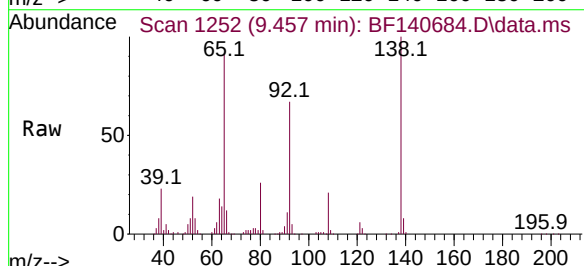
Tgt Ion: 65 Resp: 164563

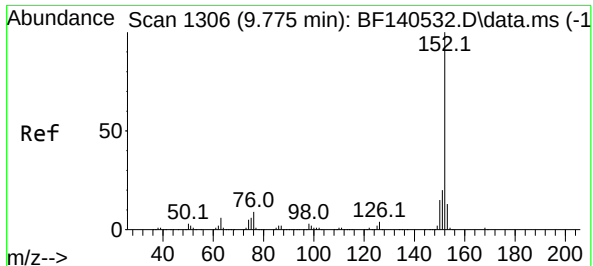
Ion Ratio Lower Upper

65 100

92 73.2 56.1 84.1

138 109.8 81.0 121.6





#49

Acenaphthylene

Concen: 54.898 ng

RT: 9.769 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF140684.D

Acq: 02 Dec 2024 11:49

Instrument :

BNA\_F

ClientSampleId :

PB165296BSD

Tgt Ion:152 Resp: 830309

Ion Ratio Lower Upper

152 100

151 20.2 15.9 23.9

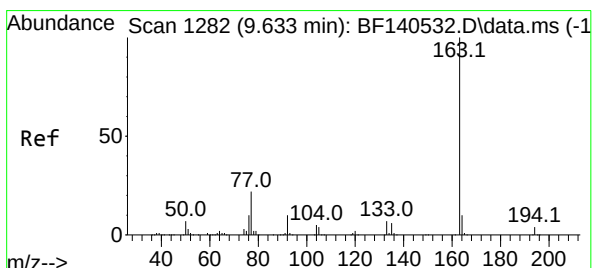
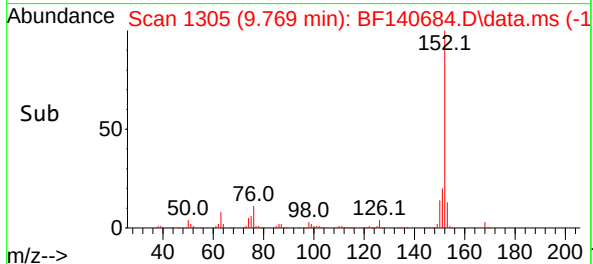
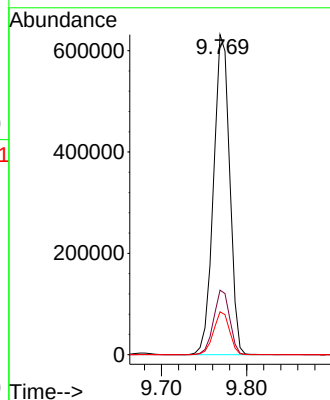
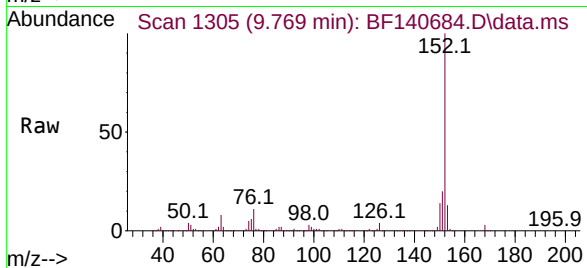
153 13.4 10.6 16.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/03/2024

Supervised By :mohammad ahmed 12/05/2024



#50

Dimethylphthalate

Concen: 52.201 ng

RT: 9.627 min Scan# 1281

Delta R.T. -0.006 min

Lab File: BF140684.D

Acq: 02 Dec 2024 11:49

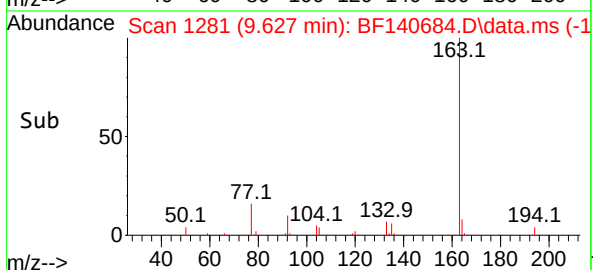
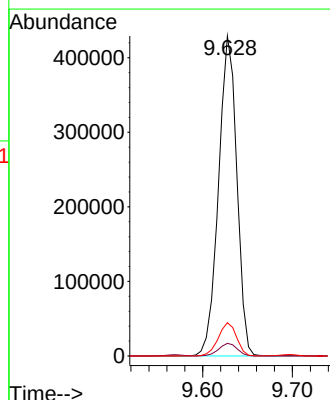
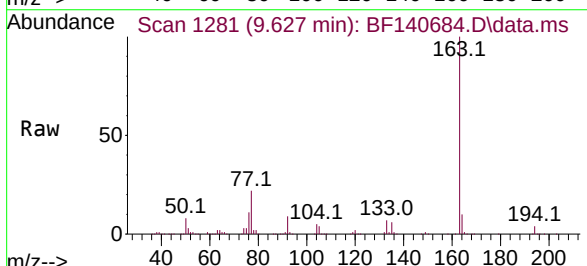
Tgt Ion:163 Resp: 608324

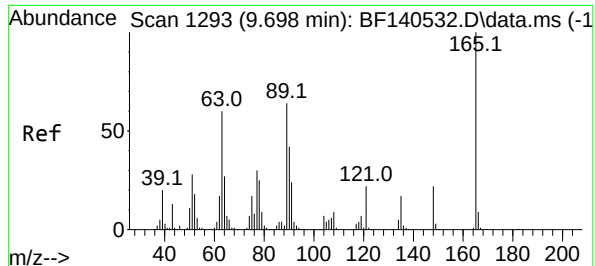
Ion Ratio Lower Upper

163 100

194 4.0 3.1 4.7

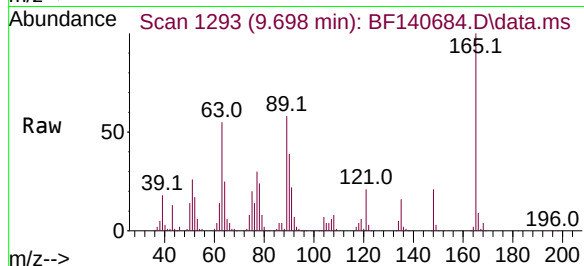
164 10.4 8.2 12.2





#51  
2,6-Dinitrotoluene  
Concen: 51.028 ng  
RT: 9.698 min Scan# 1293  
Delta R.T. -0.000 min  
Lab File: BF140684.D  
Acq: 02 Dec 2024 11:49

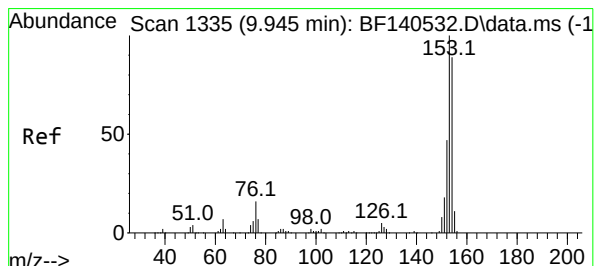
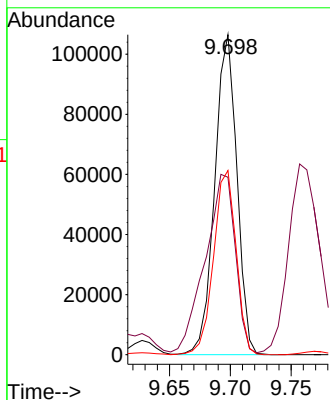
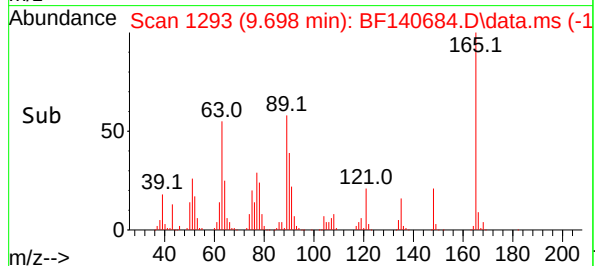
Instrument :  
BNA\_F  
ClientSampleId :  
PB165296BSD



Tgt Ion:165 Resp: 13486  
Ion Ratio Lower Upper  
165 100  
63 55.4 49.9 74.9  
89 57.5 50.9 76.3

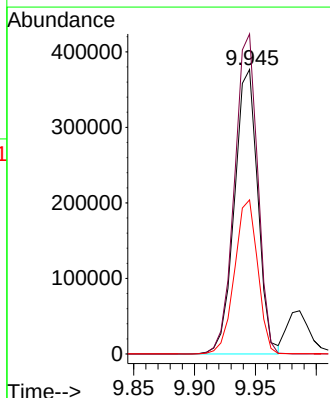
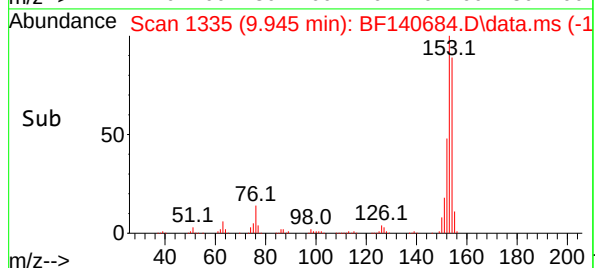
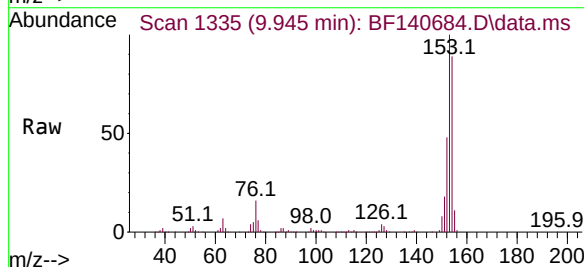
Manual Integrations  
**APPROVED**

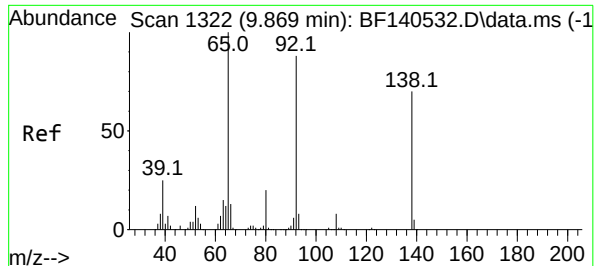
Reviewed By :Yogesh Patel 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024



#52  
Acenaphthene  
Concen: 52.367 ng  
RT: 9.945 min Scan# 1335  
Delta R.T. -0.000 min  
Lab File: BF140684.D  
Acq: 02 Dec 2024 11:49

Tgt Ion:154 Resp: 503250  
Ion Ratio Lower Upper  
154 100  
153 112.5 89.7 134.5  
152 54.1 42.5 63.7





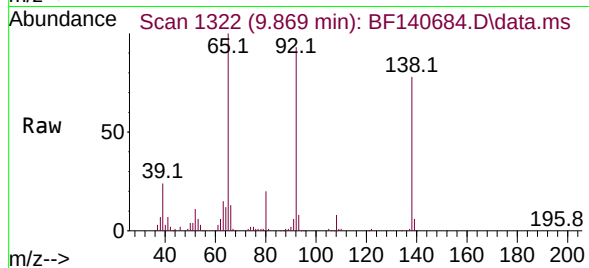
#53  
3-Nitroaniline  
Concen: 31.587 ng  
RT: 9.869 min Scan# 1322  
Delta R.T. -0.000 min  
Lab File: BF140684.D  
Acq: 02 Dec 2024 11:49

Instrument :

BNA\_F

ClientSampleId :

PB165296BSD

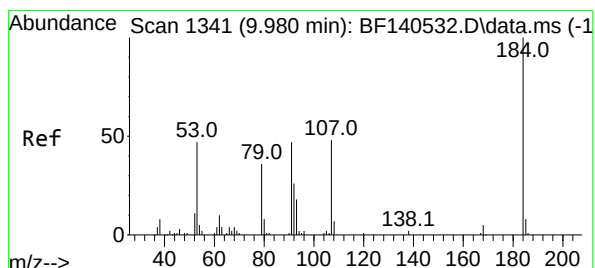
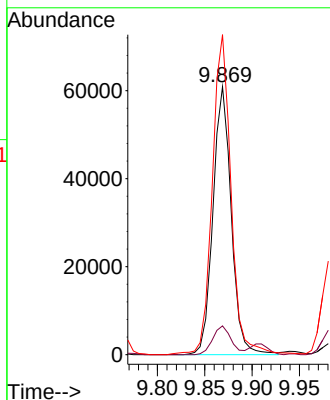
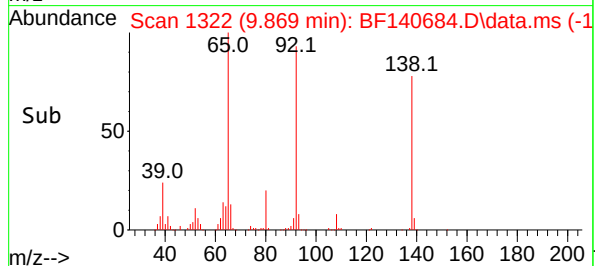


Tgt Ion:138 Resp: 81650  
Ion Ratio Lower Upper  
138 100  
108 10.7 9.2 13.8  
92 119.4 100.6 150.8

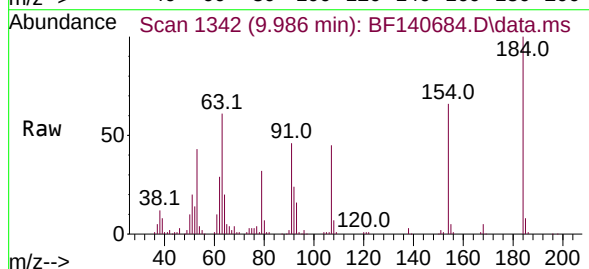
Manual Integrations

APPROVED

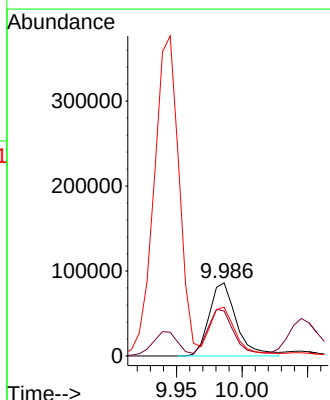
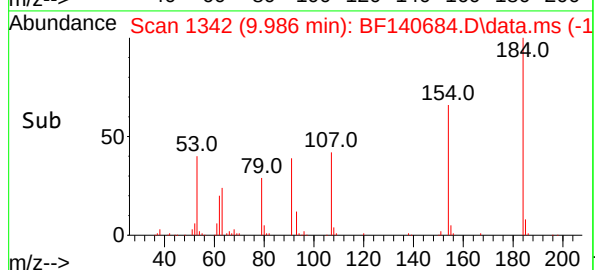
Reviewed By :Yogesh Patel 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024

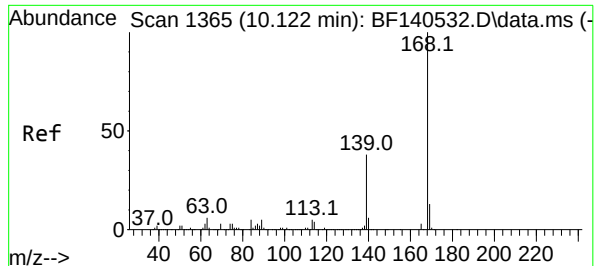


#54  
2,4-Dinitrophenol  
Concen: 89.831 ng  
RT: 9.986 min Scan# 1342  
Delta R.T. 0.006 min  
Lab File: BF140684.D  
Acq: 02 Dec 2024 11:49



Tgt Ion:184 Resp: 124419  
Ion Ratio Lower Upper  
184 100  
63 61.5 54.1 81.1  
154 66.4 57.4 86.0





#55

Dibenzofuran

Concen: 52.201 ng

RT: 10.116 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF140684.D

Acq: 02 Dec 2024 11:49

Instrument :

BNA\_F

ClientSampleId :

PB165296BSD

Tgt Ion:168 Resp: 76518

Ion Ratio Lower Upper

168 100

139 39.4 31.3 46.9

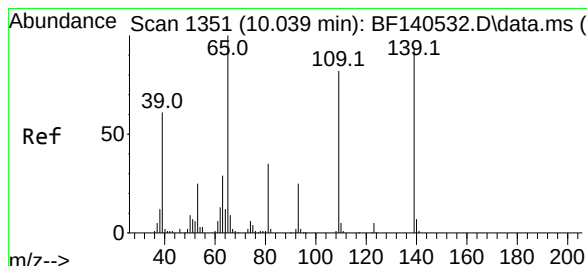
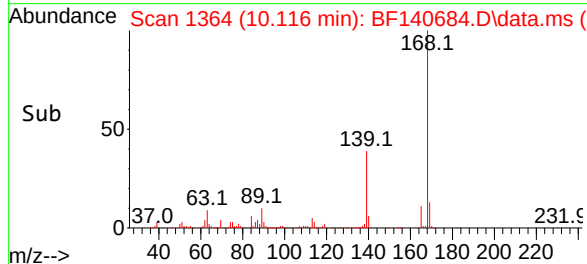
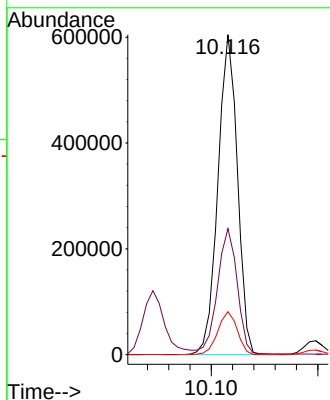
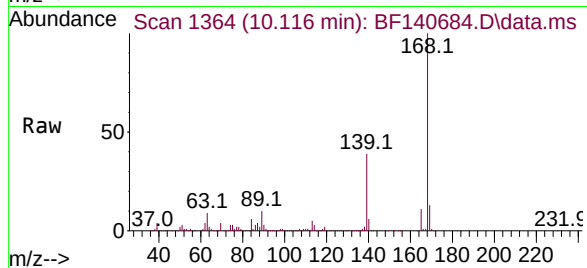
169 13.5 10.5 15.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/03/2024

Supervised By :mohammad ahmed 12/05/2024



#56

4-Nitrophenol

Concen: 97.495 ng

RT: 10.045 min Scan# 1352

Delta R.T. 0.006 min

Lab File: BF140684.D

Acq: 02 Dec 2024 11:49

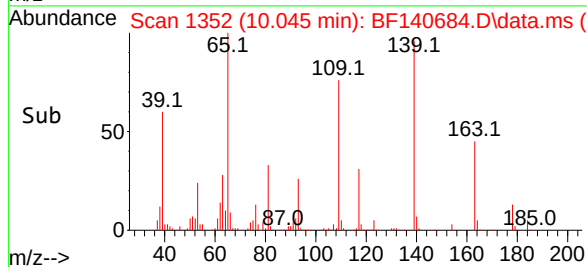
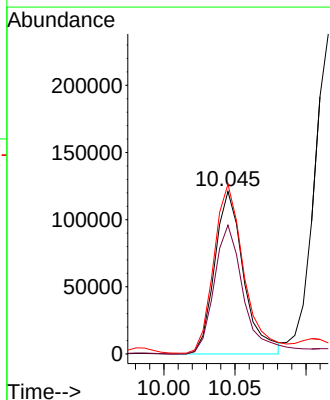
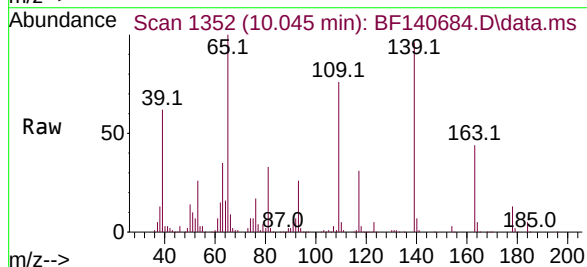
Tgt Ion:139 Resp: 171875

Ion Ratio Lower Upper

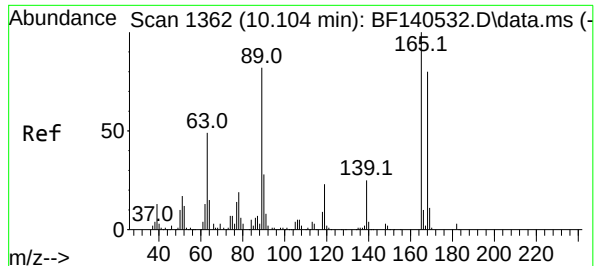
139 100

109 79.2 68.4 108.4

65 104.4 88.6 128.6

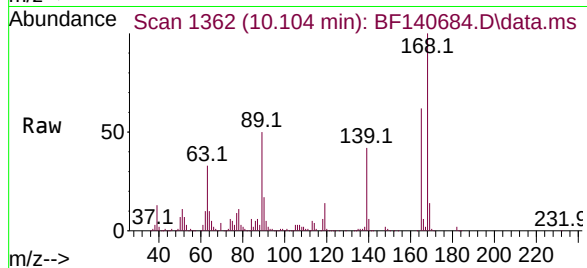






#57  
2,4-Dinitrotoluene  
Concen: 52.492 ng  
RT: 10.104 min Scan# 1362  
Delta R.T. -0.000 min  
Lab File: BF140684.D  
Acq: 02 Dec 2024 11:49

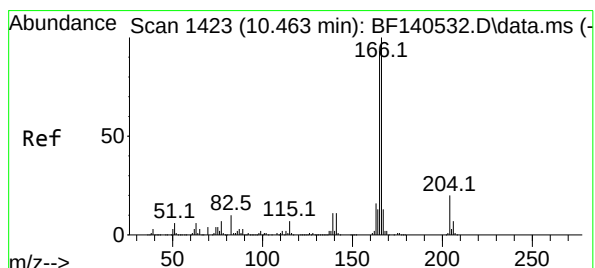
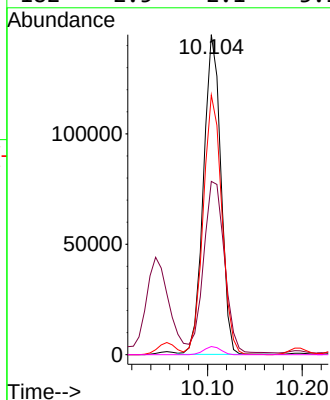
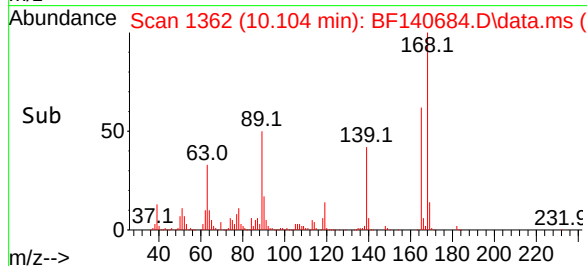
Instrument :  
BNA\_F  
ClientSampleId :  
PB165296BSD



Tgt Ion:165 Resp: 18438  
Ion Ratio Lower Upper  
165 100  
63 54.2 41.7 62.5  
89 81.1 65.8 98.8  
182 2.5 2.1 3.1

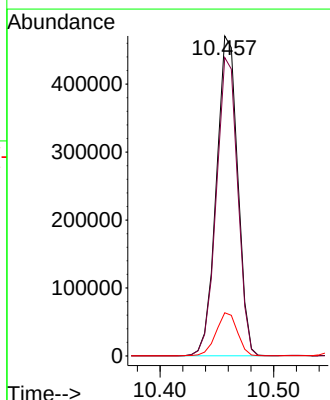
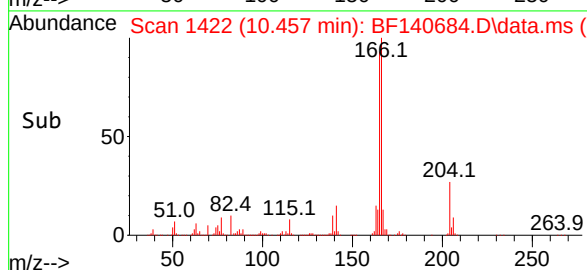
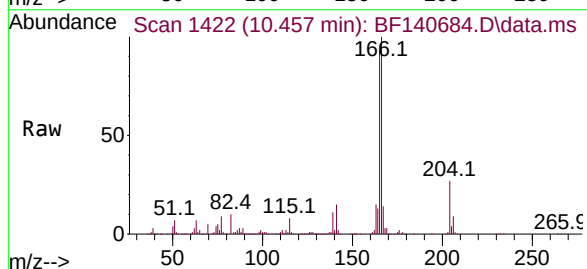
Manual Integrations  
APPROVED

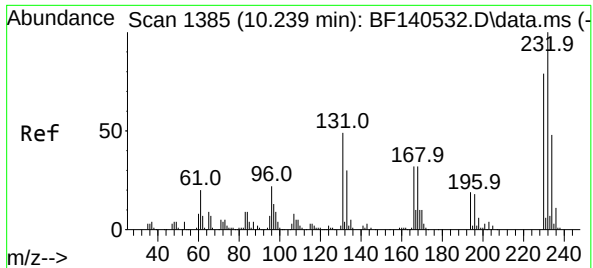
Reviewed By :Yogesh Patel 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024



#58  
Fluorene  
Concen: 52.188 ng  
RT: 10.457 min Scan# 1422  
Delta R.T. -0.006 min  
Lab File: BF140684.D  
Acq: 02 Dec 2024 11:49

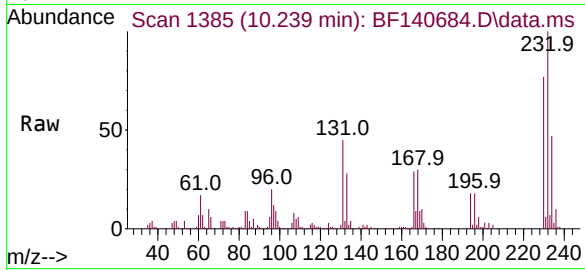
Tgt Ion:166 Resp: 614046  
Ion Ratio Lower Upper  
166 100  
165 93.3 74.6 111.8  
167 13.5 10.6 16.0





#59  
2,3,4,6-Tetrachlorophenol  
Concen: 58.088 ng  
RT: 10.239 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BF140684.D  
Acq: 02 Dec 2024 11:49

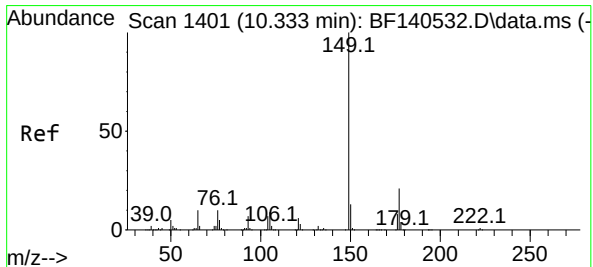
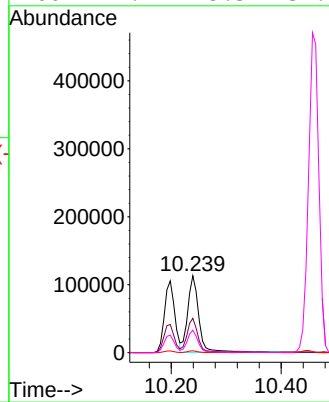
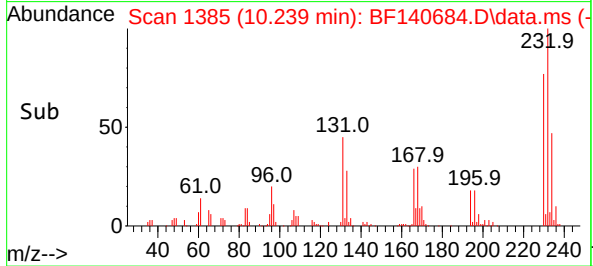
Instrument :  
BNA\_F  
ClientSampleId :  
PB165296BSD



Tgt Ion:232 Resp: 157484  
Ion Ratio Lower Upper  
232 100  
131 43.2 39.6 59.4  
130 2.3 1.9 2.9  
166 27.7 25.3 37.9

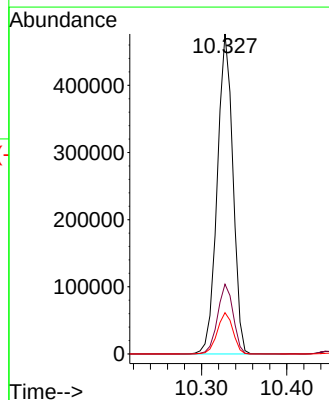
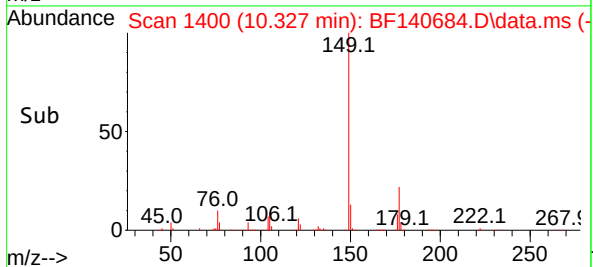
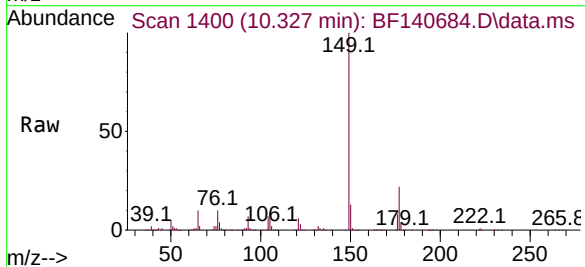
Manual Integrations  
APPROVED

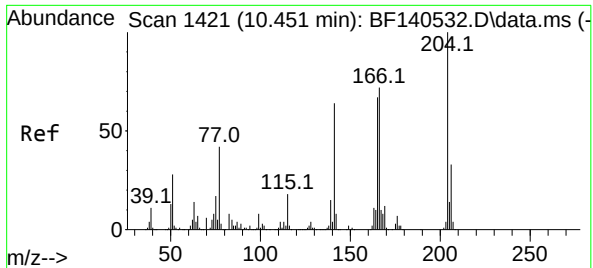
Reviewed By :Yogesh Patel 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024



#60  
Diethylphthalate  
Concen: 51.540 ng  
RT: 10.327 min Scan# 1400  
Delta R.T. -0.006 min  
Lab File: BF140684.D  
Acq: 02 Dec 2024 11:49

Tgt Ion:149 Resp: 610240  
Ion Ratio Lower Upper  
149 100  
177 21.8 17.1 25.7  
150 12.9 10.1 15.1





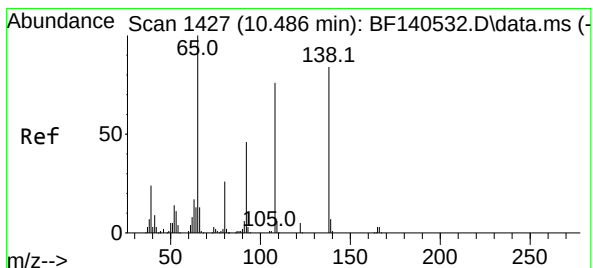
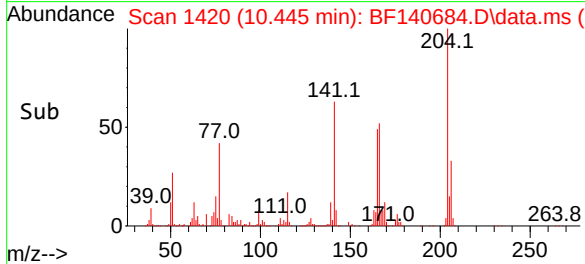
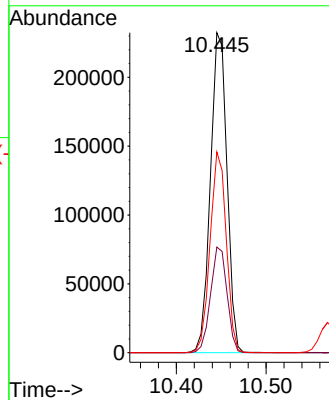
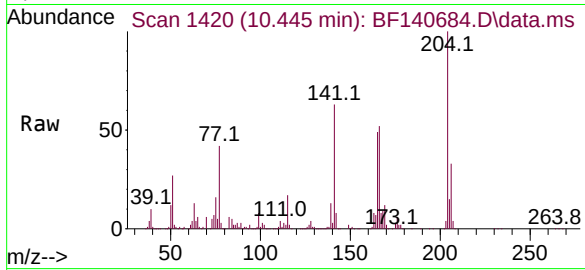
#61  
4-Chlorophenyl-phenylether  
Concen: 51.566 ng  
RT: 10.445 min Scan# 1421  
Delta R.T. -0.006 min  
Lab File: BF140684.D  
Acq: 02 Dec 2024 11:49

Instrument :  
BNA\_F  
ClientSampleId :  
PB165296BSD

Tgt Ion:204 Resp: 29775  
Ion Ratio Lower Upper  
204 100  
206 33.0 26.6 40.0  
141 62.7 51.1 76.7

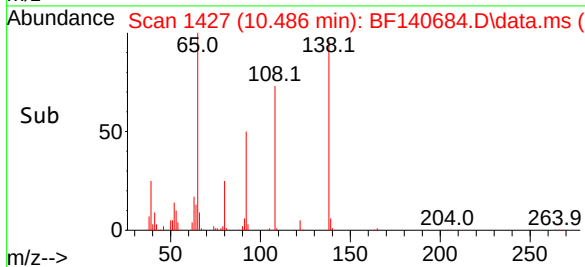
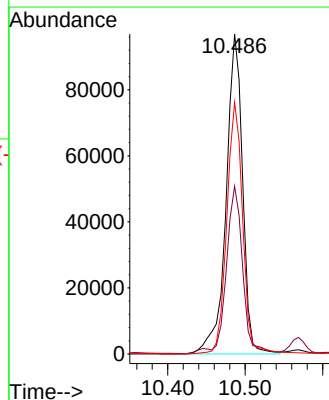
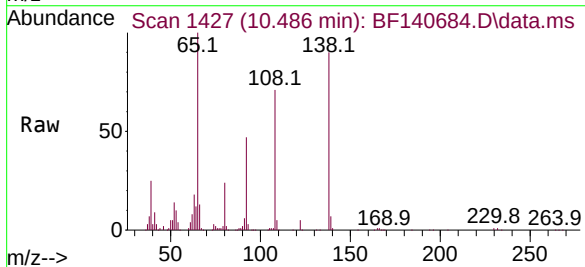
Manual Integrations  
APPROVED

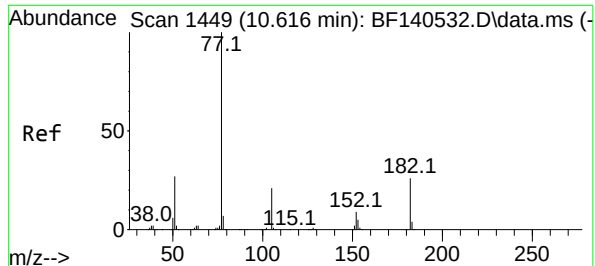
Reviewed By :Yogesh Patel 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024



#62  
4-Nitroaniline  
Concen: 52.941 ng  
RT: 10.486 min Scan# 1427  
Delta R.T. -0.000 min  
Lab File: BF140684.D  
Acq: 02 Dec 2024 11:49

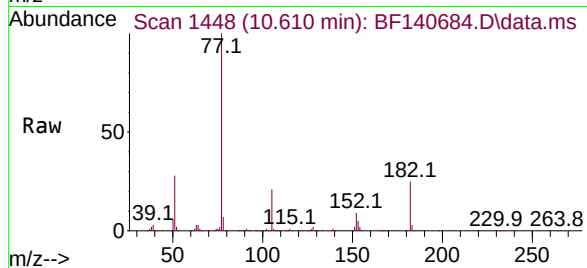
Tgt Ion:138 Resp: 143529  
Ion Ratio Lower Upper  
138 100  
92 52.5 34.5 74.5  
108 78.7 70.6 110.6





#63  
Azobenzene  
Concen: 52.989 ng  
RT: 10.610 min Scan# 1449  
Delta R.T. -0.006 min  
Lab File: BF140684.D  
Acq: 02 Dec 2024 11:49

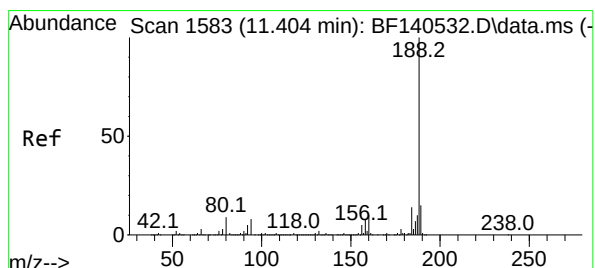
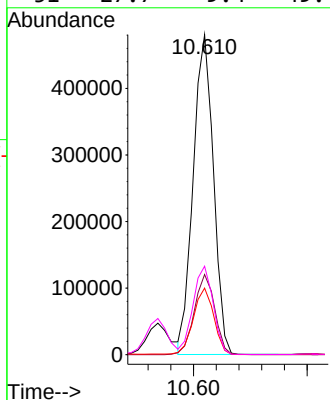
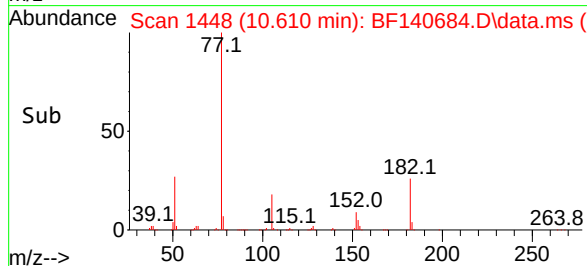
Instrument :  
BNA\_F  
ClientSampleId :  
PB165296BSD



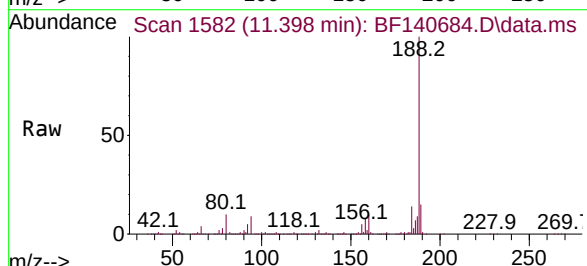
Tgt Ion: 77 Resp: 59414  
Ion Ratio Lower Upper  
77 100  
182 25.1 5.3 45.3  
105 20.8 0.3 40.3  
51 27.7 9.4 49.4

Manual Integrations  
APPROVED

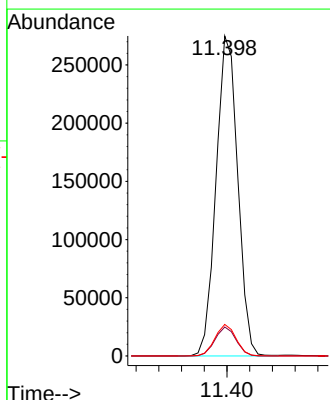
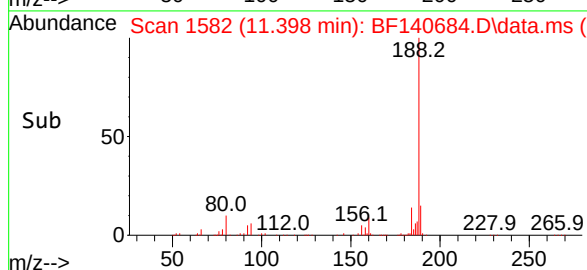
Reviewed By :Yogesh Patel 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024

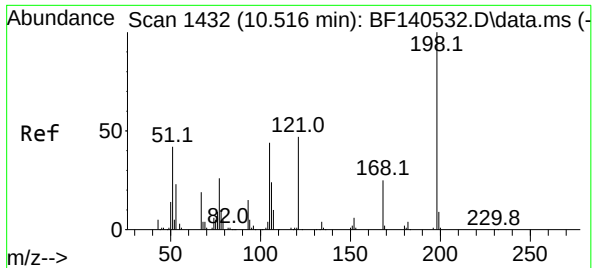


#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.398 min Scan# 1582  
Delta R.T. -0.006 min  
Lab File: BF140684.D  
Acq: 02 Dec 2024 11:49



Tgt Ion:188 Resp: 364189  
Ion Ratio Lower Upper  
188 100  
94 9.0 6.4 9.6  
80 9.9 6.9 10.3





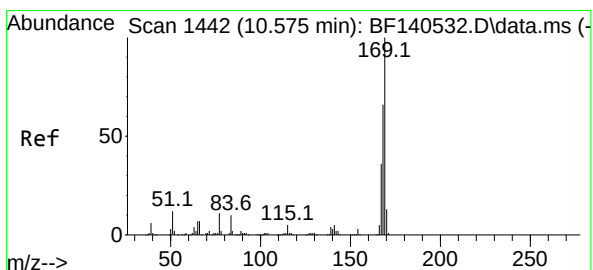
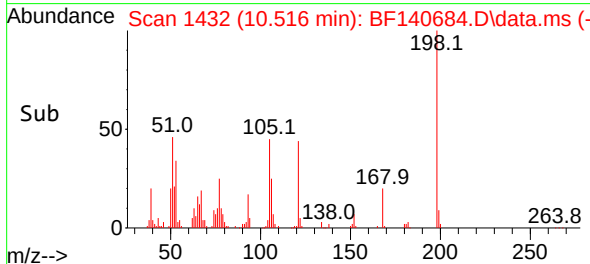
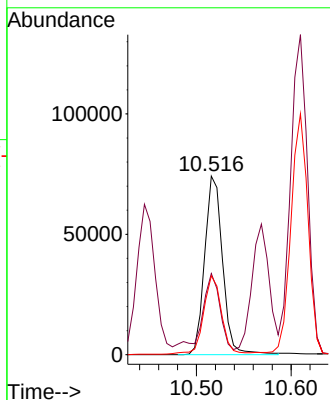
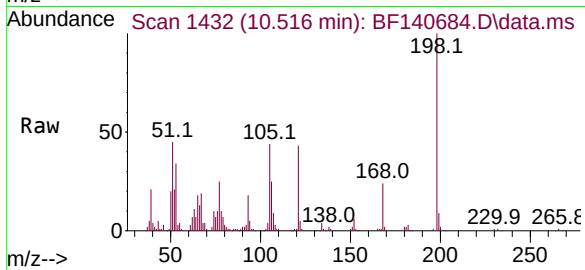
#65  
4,6-Dinitro-2-methylphenol  
Concen: 52.266 ng  
RT: 10.516 min Scan# 1432  
Delta R.T. -0.000 min  
Lab File: BF140684.D  
Acq: 02 Dec 2024 11:49

Instrument :  
BNA\_F  
ClientSampleId :  
PB165296BSD

Tgt Ion:198 Resp: 97268  
Ion Ratio Lower Upper  
198 100  
51 45.5 29.4 69.4  
105 44.2 25.4 65.4

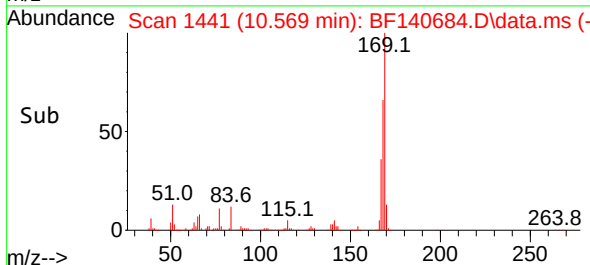
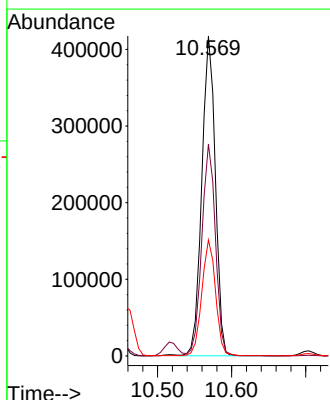
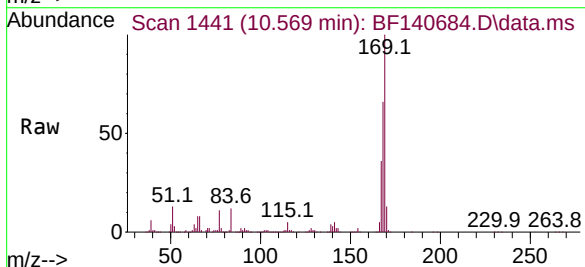
Manual Integrations  
APPROVED

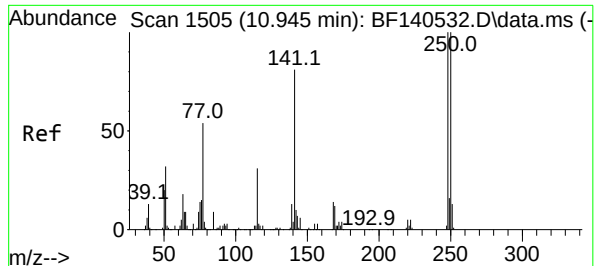
Reviewed By :Yogesh Patel 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024



#66  
n-Nitrosodiphenylamine  
Concen: 49.155 ng  
RT: 10.569 min Scan# 1441  
Delta R.T. -0.006 min  
Lab File: BF140684.D  
Acq: 02 Dec 2024 11:49

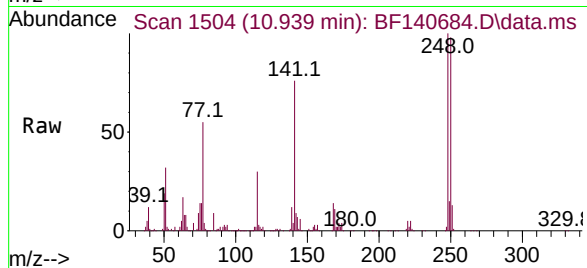
Tgt Ion:169 Resp: 529399  
Ion Ratio Lower Upper  
169 100  
168 66.3 53.2 79.8  
167 36.3 29.0 43.6





#67  
4-Bromophenyl-phenylether  
Concen: 48.279 ng  
RT: 10.939 min Scan# 1504  
Delta R.T. -0.006 min  
Lab File: BF140684.D  
Acq: 02 Dec 2024 11:49

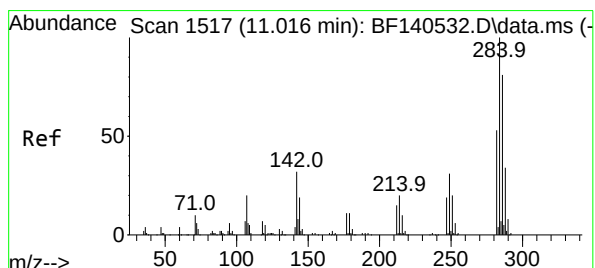
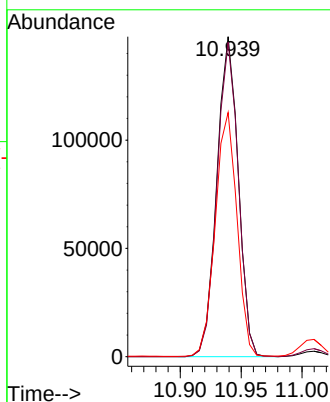
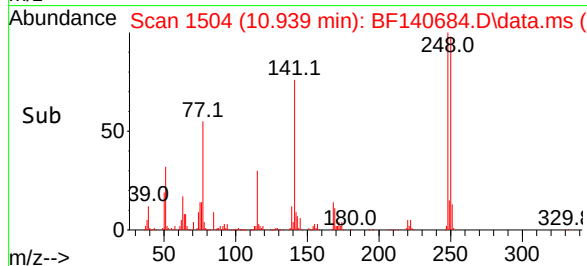
Instrument :  
BNA\_F  
ClientSampleId :  
PB165296BSD



Tgt Ion:248 Resp: 18107  
Ion Ratio Lower Upper  
248 100  
250 98.3 79.8 119.8  
141 76.3 64.7 97.1

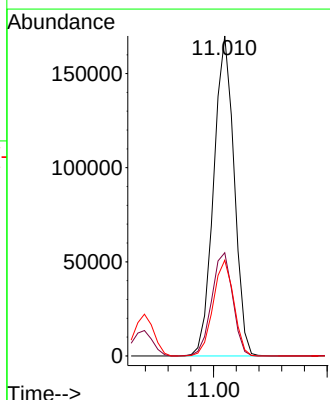
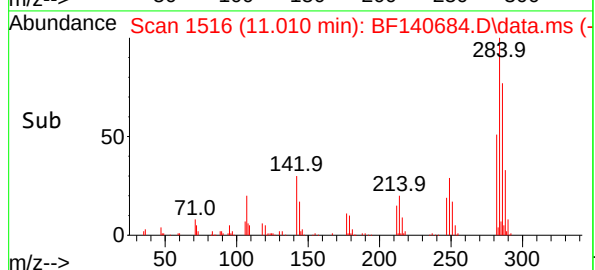
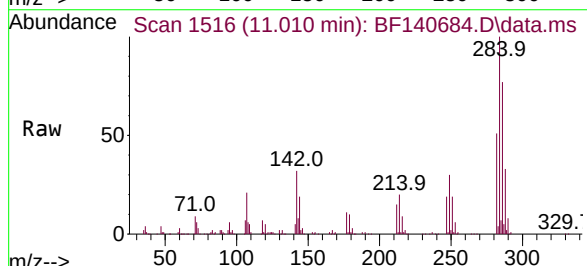
Manual Integrations  
APPROVED

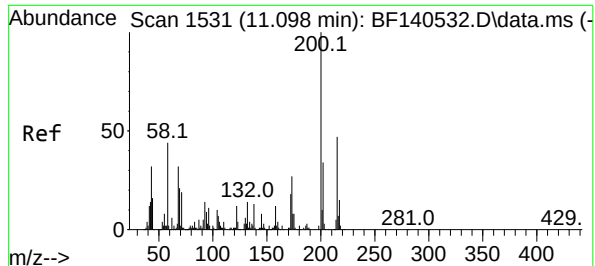
Reviewed By :Yogesh Patel 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024



#68  
Hexachlorobenzene  
Concen: 48.897 ng  
RT: 11.010 min Scan# 1516  
Delta R.T. -0.006 min  
Lab File: BF140684.D  
Acq: 02 Dec 2024 11:49

Tgt Ion:284 Resp: 212351  
Ion Ratio Lower Upper  
284 100  
142 32.3 25.3 37.9  
249 29.9 24.8 37.2





#69

Atrazine

Concen: 60.208 ng

RT: 11.098 min Scan# 1531

Delta R.T. -0.000 min

Lab File: BF140684.D

Acq: 02 Dec 2024 11:49

Instrument :

BNA\_F

ClientSampleId :

PB165296BSD

Tgt Ion:200 Resp: 182419

Ion Ratio Lower Upper

200 100

173 25.8 7.0 47.0

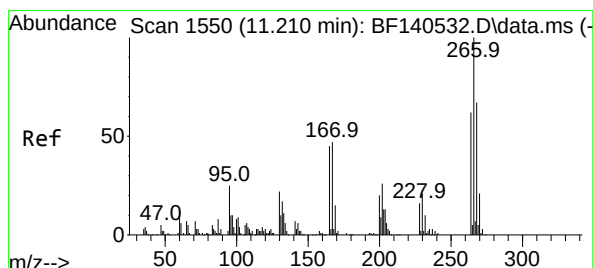
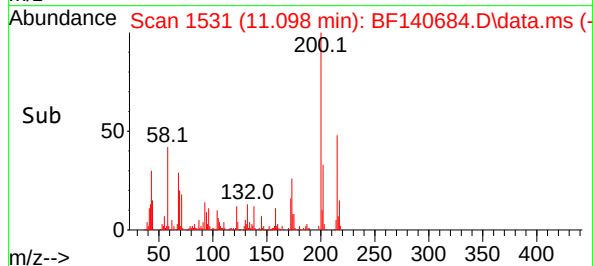
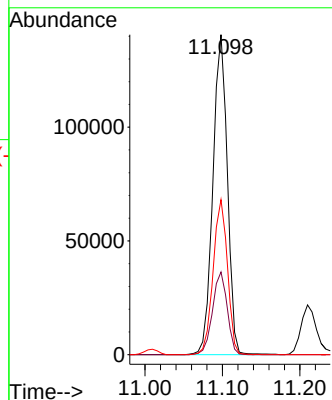
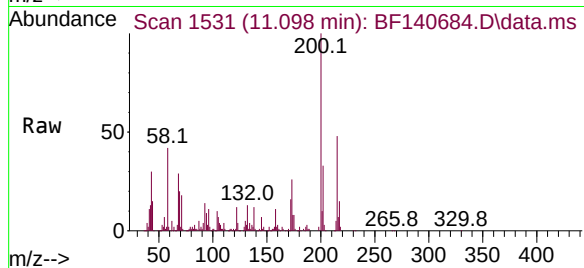
215 48.5 26.7 66.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/03/2024

Supervised By :mohammad ahmed 12/05/2024



#70

Pentachlorophenol

Concen: 91.080 ng

RT: 11.210 min Scan# 1550

Delta R.T. -0.000 min

Lab File: BF140684.D

Acq: 02 Dec 2024 11:49

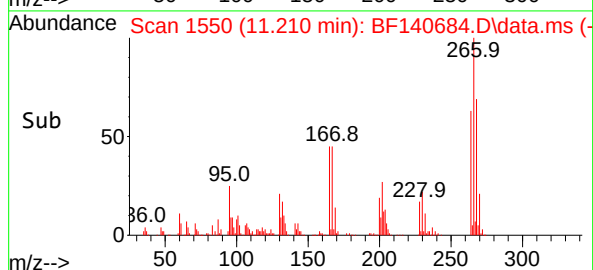
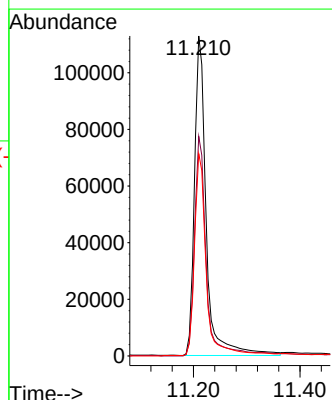
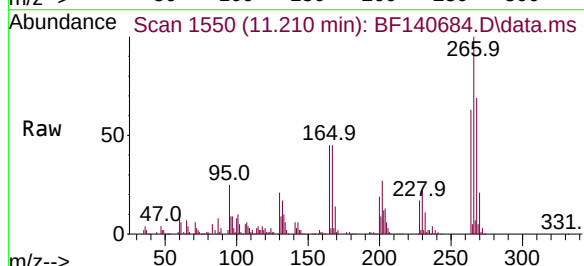
Tgt Ion:266 Resp: 174089

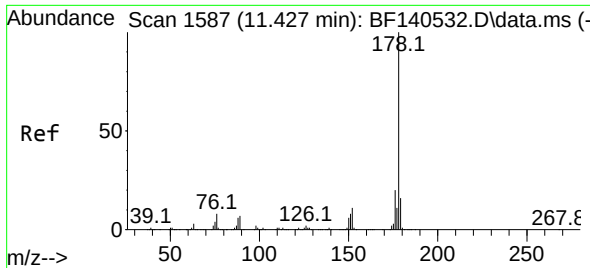
Ion Ratio Lower Upper

266 100

268 68.6 53.7 80.5

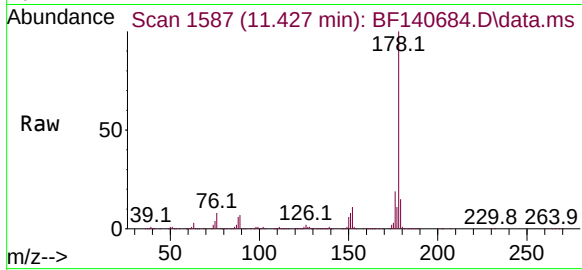
264 63.2 49.8 74.8





#71  
Phenanthrene  
Concen: 53.222 ng  
RT: 11.427 min Scan# 1587  
Delta R.T. -0.000 min  
Lab File: BF140684.D  
Acq: 02 Dec 2024 11:49

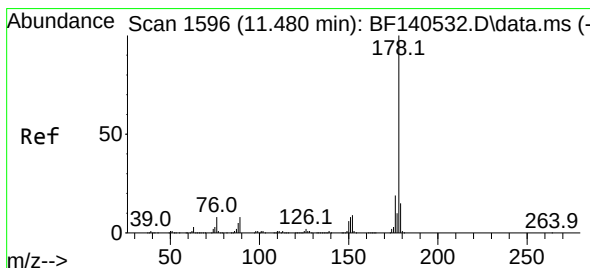
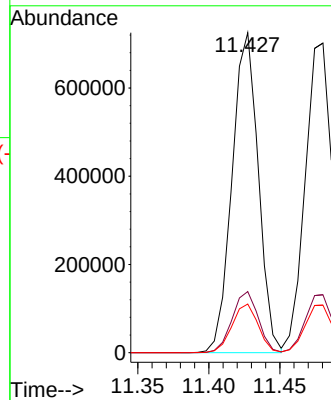
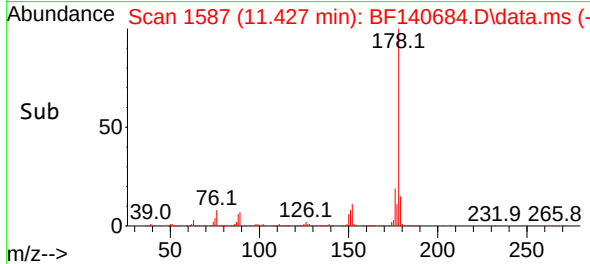
Instrument :  
BNA\_F  
ClientSampleId :  
PB165296BSD



Tgt Ion:178 Resp: 931722  
Ion Ratio Lower Upper  
178 100  
176 19.1 15.8 23.6  
179 15.2 12.4 18.6

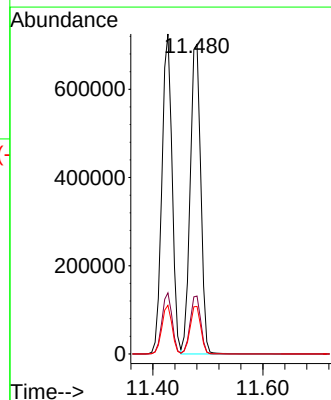
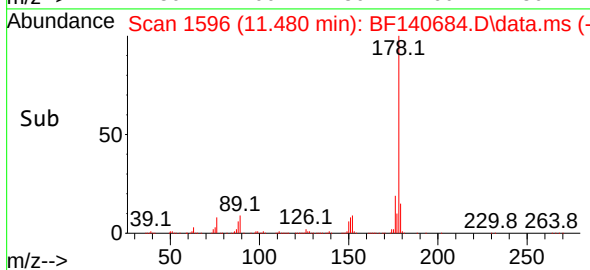
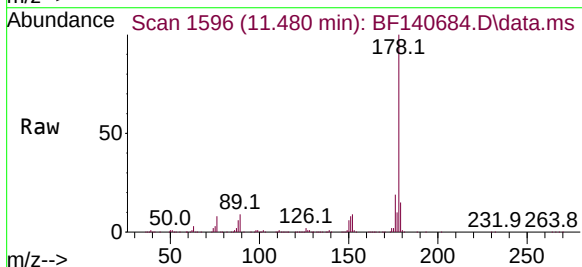
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024

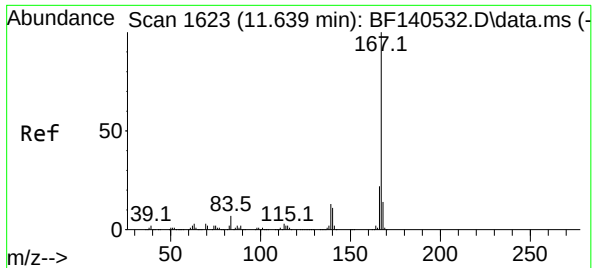


#72  
Anthracene  
Concen: 54.639 ng  
RT: 11.480 min Scan# 1596  
Delta R.T. -0.000 min  
Lab File: BF140684.D  
Acq: 02 Dec 2024 11:49

Tgt Ion:178 Resp: 935656  
Ion Ratio Lower Upper  
178 100  
176 18.7 15.0 22.4  
179 15.4 12.2 18.4

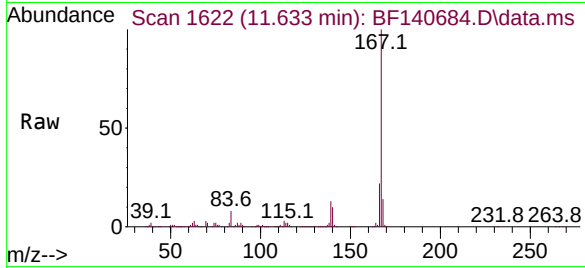






#73  
Carbazole  
Concen: 52.854 ng  
RT: 11.633 min Scan# 1622  
Delta R.T. -0.006 min  
Lab File: BF140684.D  
Acq: 02 Dec 2024 11:49

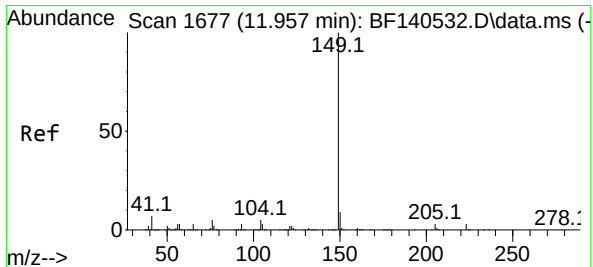
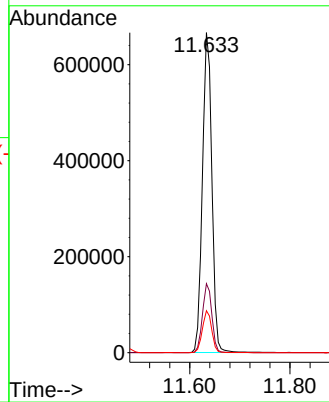
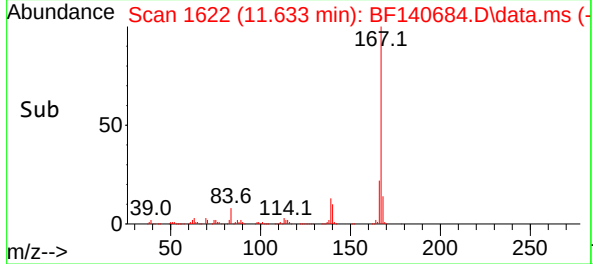
Instrument :  
BNA\_F  
ClientSampleId :  
PB165296BSD



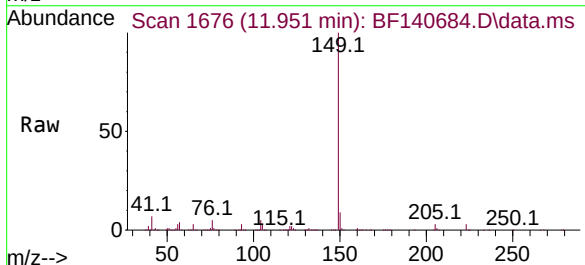
Tgt Ion:167 Resp: 87070  
Ion Ratio Lower Upper  
167 100  
166 21.6 17.2 25.8  
139 13.1 10.6 15.8

Manual Integrations  
**APPROVED**

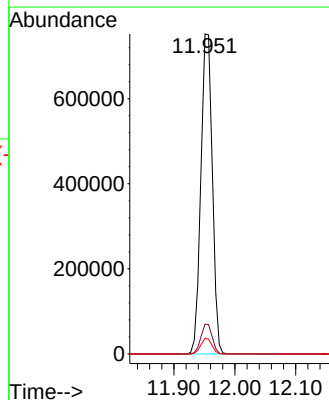
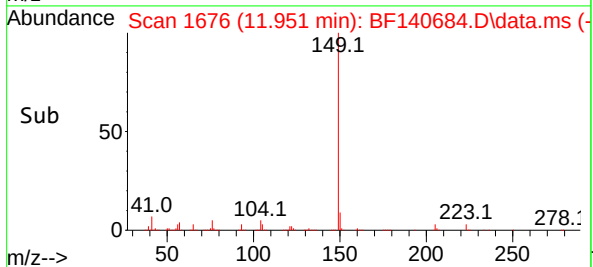
Reviewed By :Yogesh Patel 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024

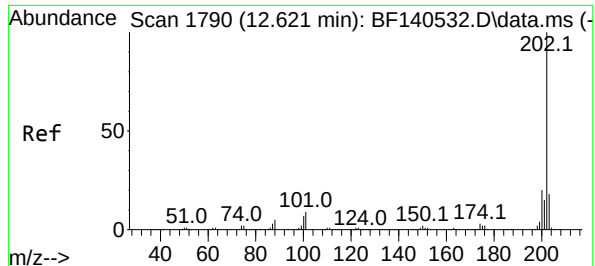


#74  
Di-n-butylphthalate  
Concen: 51.635 ng  
RT: 11.951 min Scan# 1676  
Delta R.T. -0.006 min  
Lab File: BF140684.D  
Acq: 02 Dec 2024 11:49



Tgt Ion:149 Resp: 982036  
Ion Ratio Lower Upper  
149 100  
150 9.3 7.5 11.3  
104 4.8 4.1 6.1





#75

Fluoranthene

Concen: 46.815 ng

RT: 12.616 min Scan# 1790

Delta R.T. -0.006 min

Lab File: BF140684.D

Acq: 02 Dec 2024 11:49

Instrument :

BNA\_F

ClientSampleId :

PB165296BSD

Tgt Ion:202 Resp: 889820

Ion Ratio Lower Upper

202 100

101 9.6 0.0 28.9

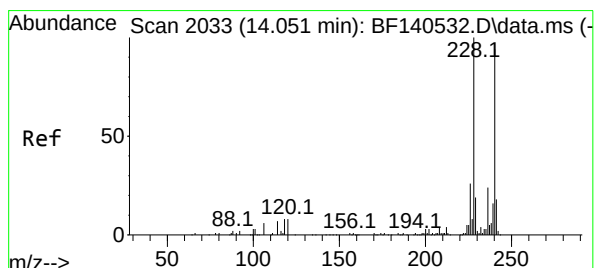
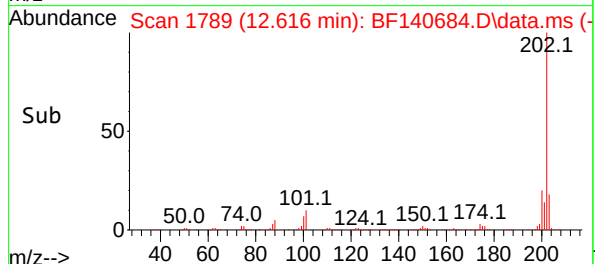
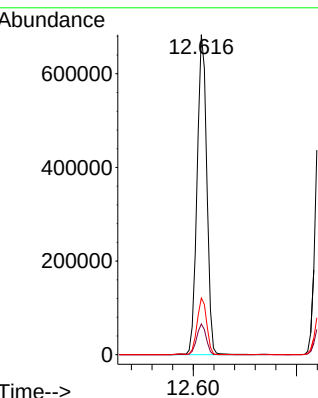
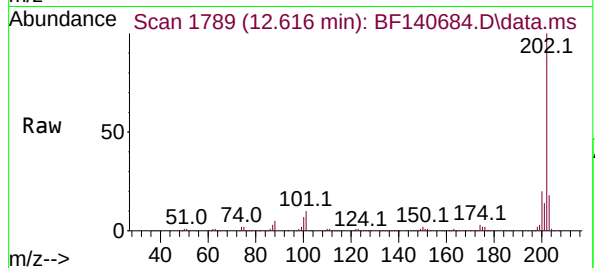
203 17.7 0.0 37.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/03/2024

Supervised By :mohammad ahmed 12/05/2024



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.057 min Scan# 2034

Delta R.T. 0.006 min

Lab File: BF140684.D

Acq: 02 Dec 2024 11:49

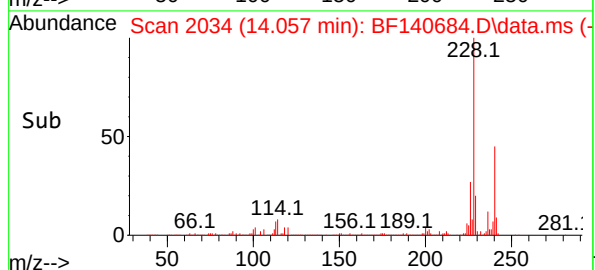
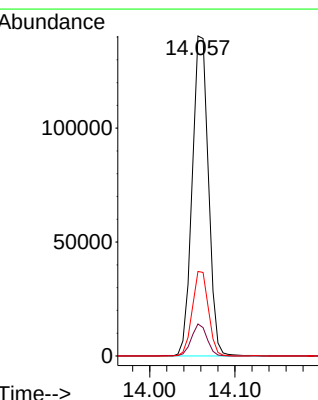
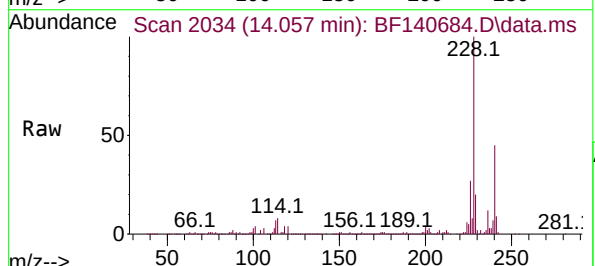
Tgt Ion:240 Resp: 185704

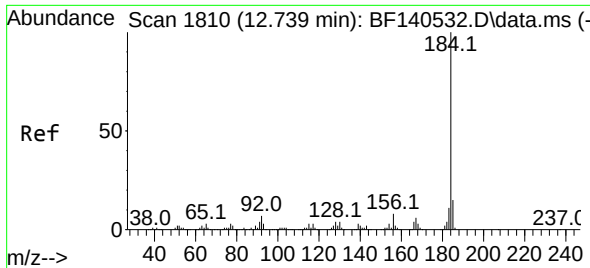
Ion Ratio Lower Upper

240 100

120 10.0 7.3 10.9

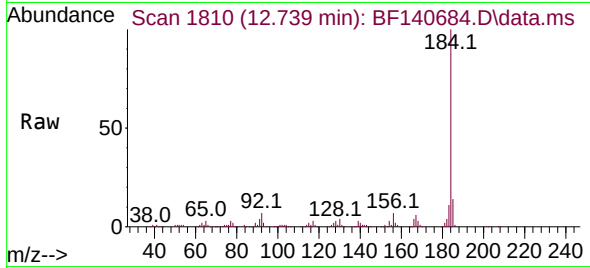
236 26.4 20.6 31.0





#77  
Benzidine  
Concen: 36.291 ng  
RT: 12.739 min Scan# 1810  
Delta R.T. 0.000 min  
Lab File: BF140684.D  
Acq: 02 Dec 2024 11:49

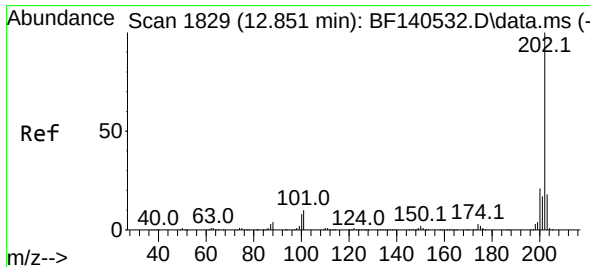
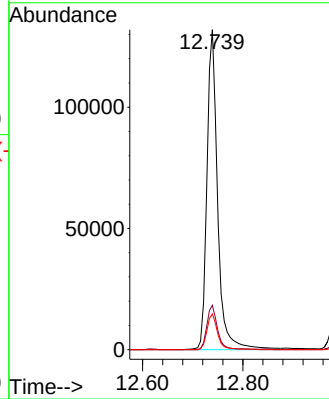
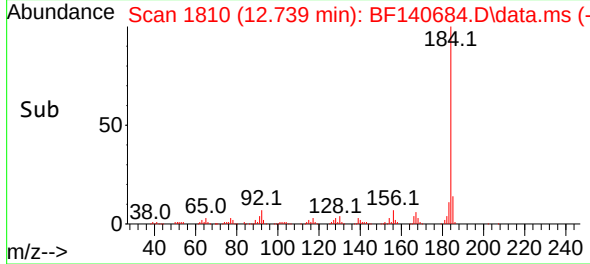
Instrument :  
BNA\_F  
ClientSampleId :  
PB165296BSD



Tgt Ion:184 Resp: 19594  
Ion Ratio Lower Upper  
184 100  
185 13.9 11.7 17.5  
183 11.2 8.8 13.2

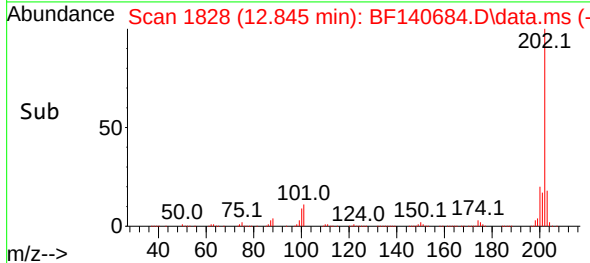
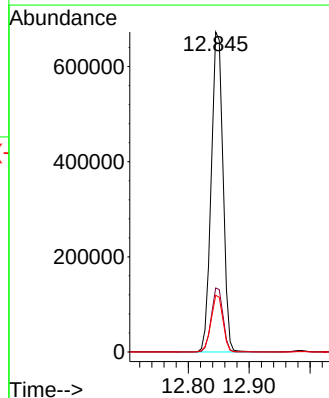
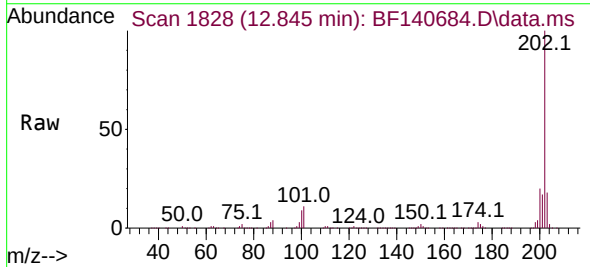
Manual Integrations  
**APPROVED**

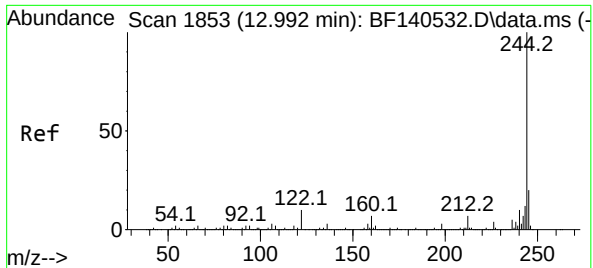
Reviewed By :Yogesh Patel 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024



#78  
Pyrene  
Concen: 52.535 ng  
RT: 12.845 min Scan# 1828  
Delta R.T. -0.006 min  
Lab File: BF140684.D  
Acq: 02 Dec 2024 11:49

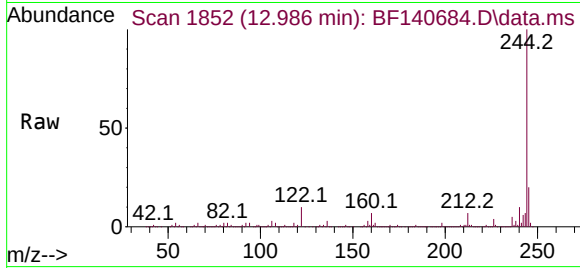
Tgt Ion:202 Resp: 902064  
Ion Ratio Lower Upper  
202 100  
200 20.0 16.5 24.7  
203 17.7 14.2 21.4





#79  
Terphenyl-d14  
Concen: 101.486 ng  
RT: 12.986 min Scan# 1852  
Delta R.T. -0.006 min  
Lab File: BF140684.D  
Acq: 02 Dec 2024 11:49

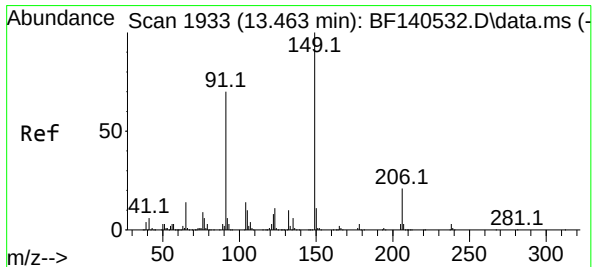
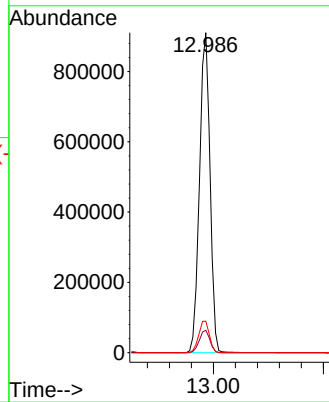
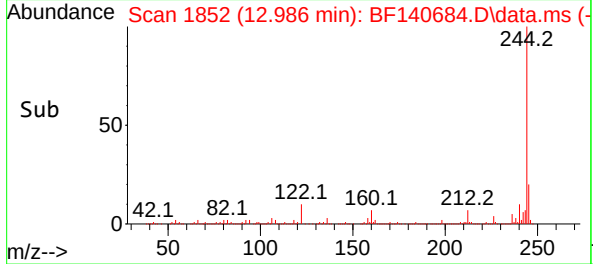
Instrument :  
BNA\_F  
ClientSampleId :  
PB165296BSD



Tgt Ion:244 Resp: 121032  
Ion Ratio Lower Upper  
244 100  
212 7.0 5.8 8.8  
122 9.8 8.0 12.0

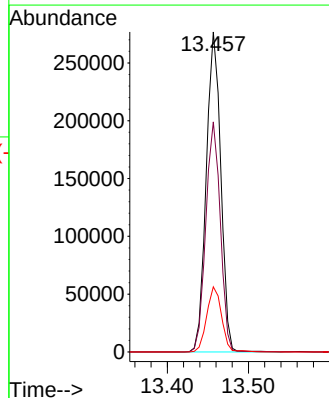
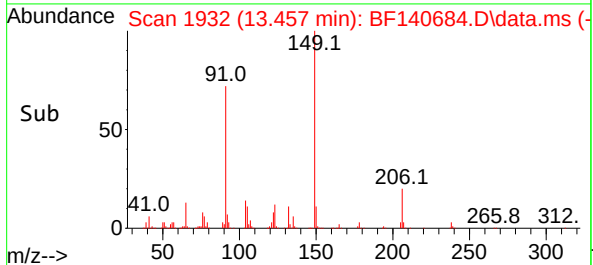
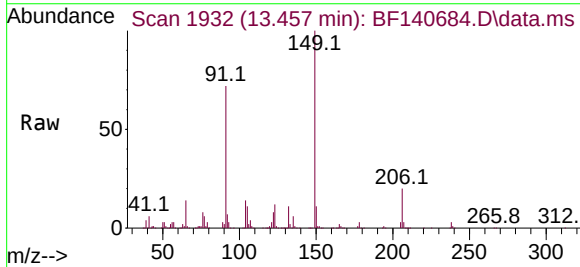
Manual Integrations  
**APPROVED**

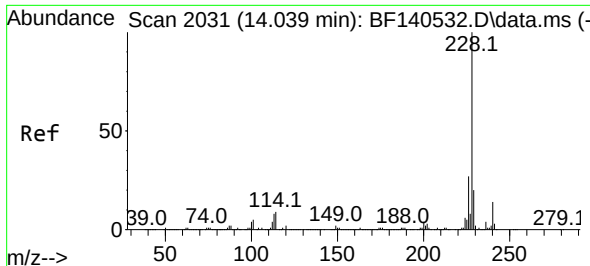
Reviewed By :Yogesh Patel 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024



#80  
Butylbenzylphthalate  
Concen: 55.593 ng  
RT: 13.457 min Scan# 1932  
Delta R.T. -0.006 min  
Lab File: BF140684.D  
Acq: 02 Dec 2024 11:49

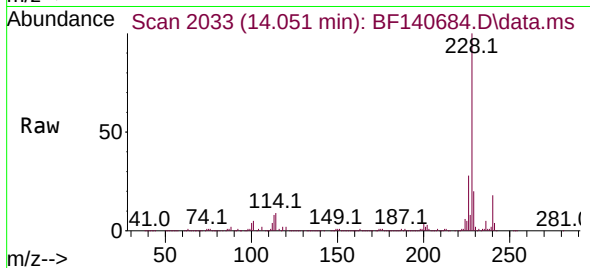
Tgt Ion:149 Resp: 343875  
Ion Ratio Lower Upper  
149 100  
91 71.9 56.2 84.2  
206 20.3 16.4 24.6





#81  
Benzo(a)anthracene  
Concen: 55.984 ng  
RT: 14.051 min Scan# 2033  
Delta R.T. 0.012 min  
Lab File: BF140684.D  
Acq: 02 Dec 2024 11:49

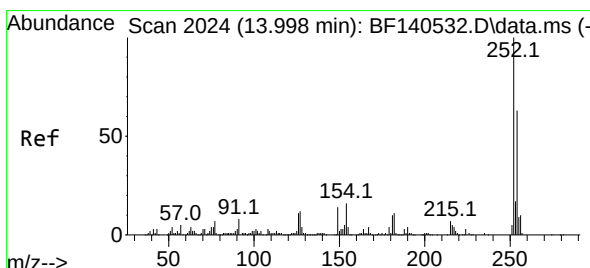
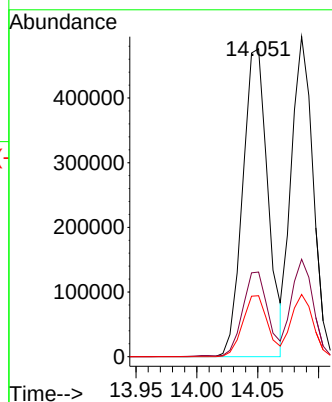
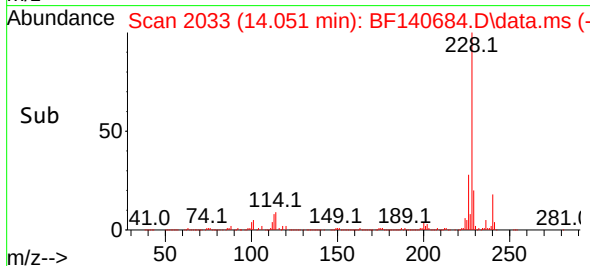
Instrument :  
BNA\_F  
ClientSampleId :  
PB165296BSD



Tgt Ion:228 Resp: 688198  
Ion Ratio Lower Upper  
228 100  
226 27.5 21.8 32.8  
229 19.8 15.8 23.6

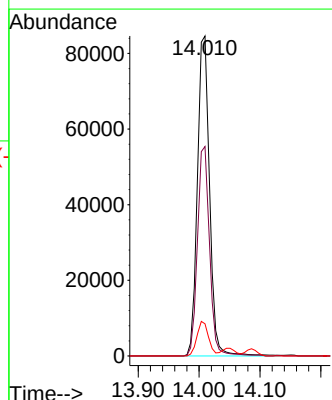
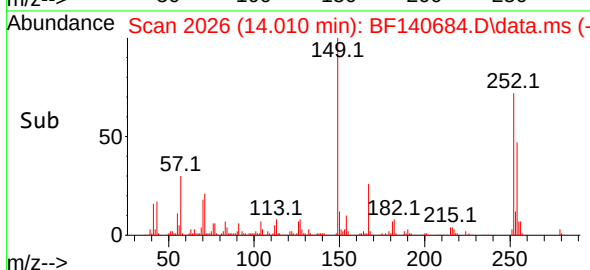
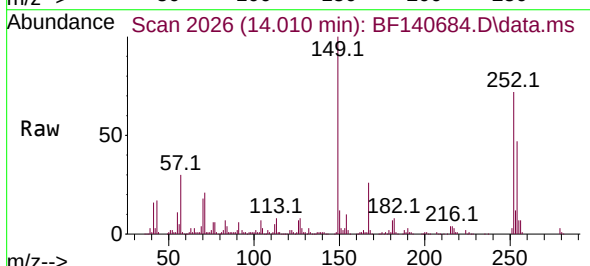
Manual Integrations  
**APPROVED**

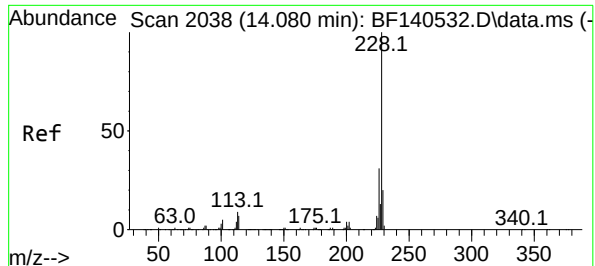
Reviewed By :Yogesh Patel 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024



#82  
3,3'-Dichlorobenzidine  
Concen: 31.853 ng  
RT: 14.010 min Scan# 2026  
Delta R.T. 0.012 min  
Lab File: BF140684.D  
Acq: 02 Dec 2024 11:49

Tgt Ion:252 Resp: 117561  
Ion Ratio Lower Upper  
252 100  
254 65.4 50.8 76.2  
126 10.0 8.6 13.0





#83

Chrysene

Concen: 54.871 ng

RT: 14.086 min Scan# 2038

Delta R.T. 0.006 min

Lab File: BF140684.D

Acq: 02 Dec 2024 11:49

Instrument :

BNA\_F

ClientSampleId :

PB165296BSD

Tgt Ion:228 Resp: 616772

Ion Ratio Lower Upper

228 100

226 30.5 24.4 36.6

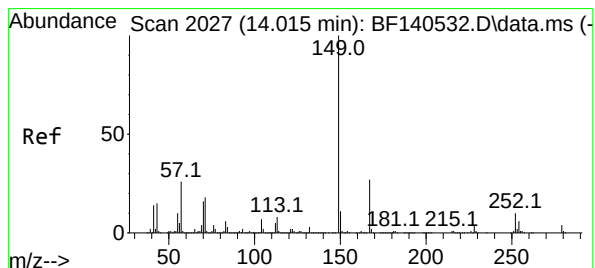
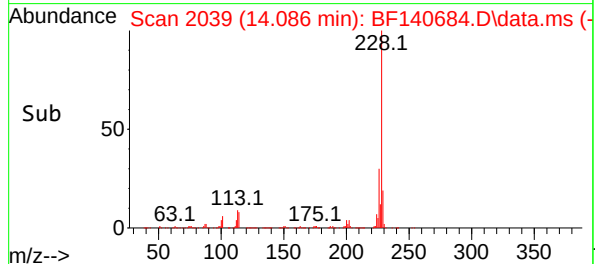
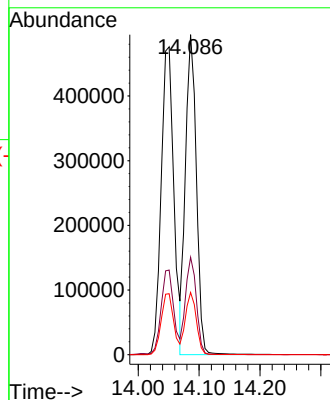
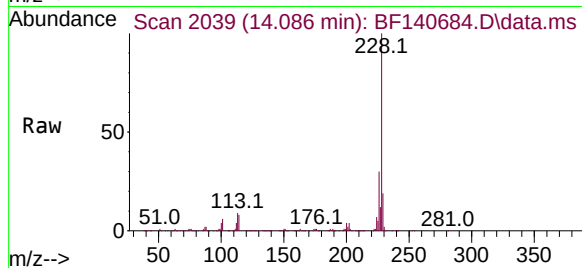
229 19.5 15.8 23.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/03/2024

Supervised By :mohammad ahmed 12/05/2024



#84

Bis(2-ethylhexyl)phthalate

Concen: 56.873 ng

RT: 14.021 min Scan# 2028

Delta R.T. 0.006 min

Lab File: BF140684.D

Acq: 02 Dec 2024 11:49

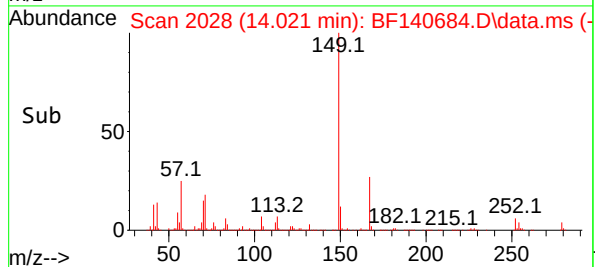
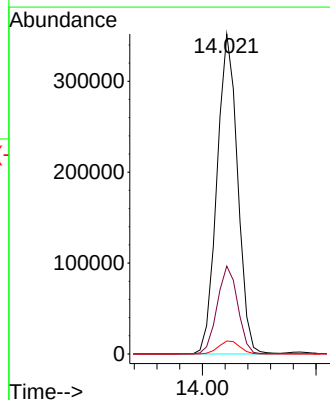
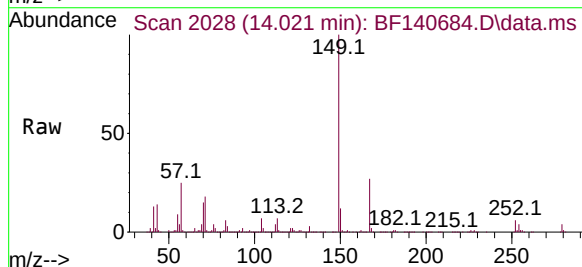
Tgt Ion:149 Resp: 444208

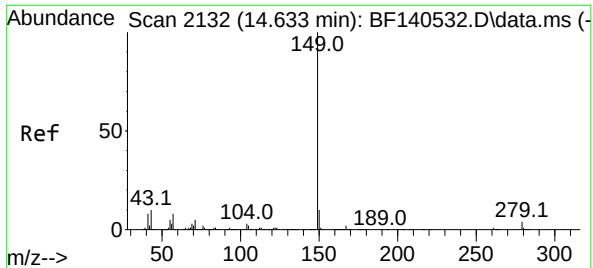
Ion Ratio Lower Upper

149 100

167 27.4 21.2 31.8

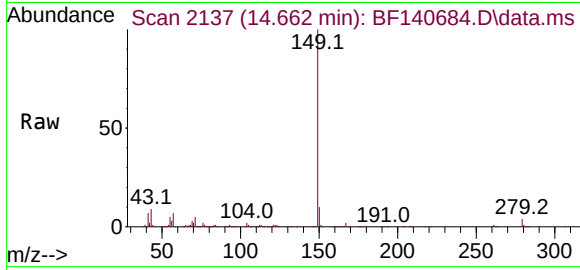
279 4.1 3.2 4.8





#85  
Di-n-octyl phthalate  
Concen: 62.062 ng  
RT: 14.662 min Scan# 2137  
Delta R.T. 0.029 min  
Lab File: BF140684.D  
Acq: 02 Dec 2024 11:49

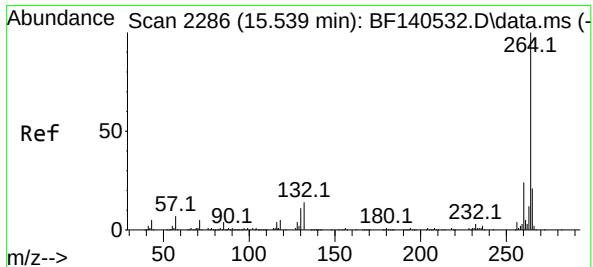
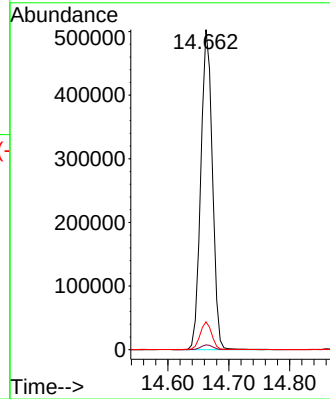
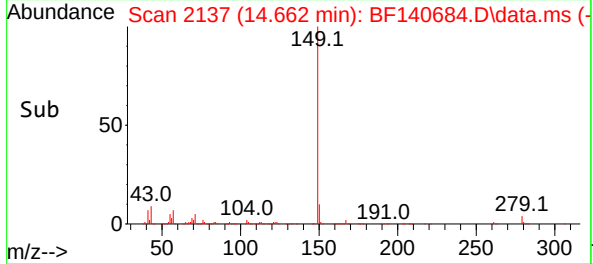
Instrument :  
BNA\_F  
ClientSampleId :  
PB165296BSD



Tgt Ion:149 Resp: 66245  
Ion Ratio Lower Upper  
149 100  
167 1.7 1.3 1.9  
43 8.6 7.7 11.5

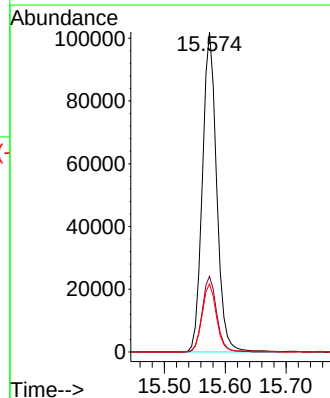
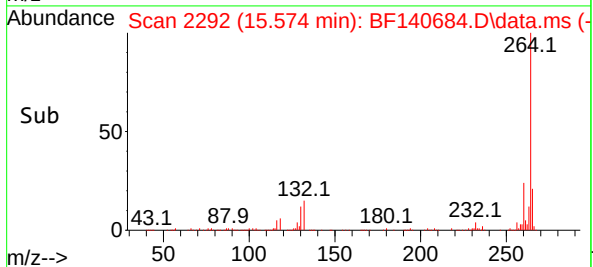
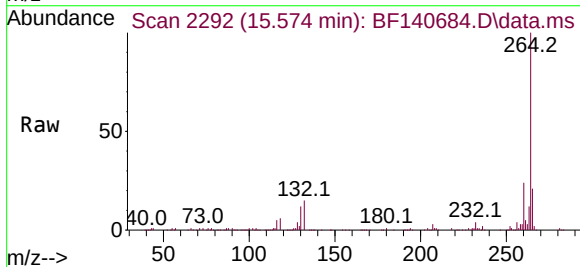
Manual Integrations  
**APPROVED**

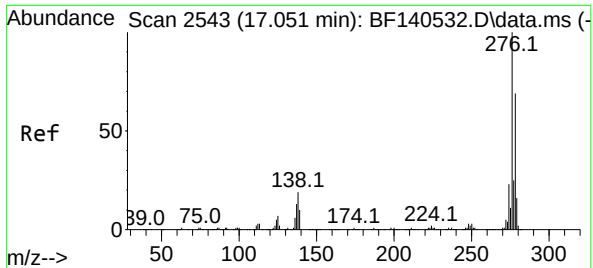
Reviewed By :Yogesh Patel 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.574 min Scan# 2292  
Delta R.T. 0.035 min  
Lab File: BF140684.D  
Acq: 02 Dec 2024 11:49

Tgt Ion:264 Resp: 166131  
Ion Ratio Lower Upper  
264 100  
260 23.7 19.0 28.6  
265 21.3 16.6 25.0





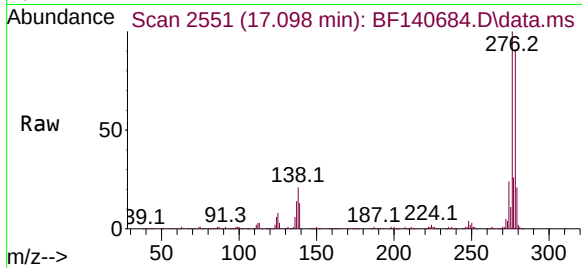
#87  
Indeno(1,2,3-cd)pyrene  
Concen: 49.867 ng  
RT: 17.098 min Scan# 2117  
Delta R.T. 0.047 min  
Lab File: BF140684.D  
Acq: 02 Dec 2024 11:49

Instrument :

BNA\_F

ClientSampleId :

PB165296BSD

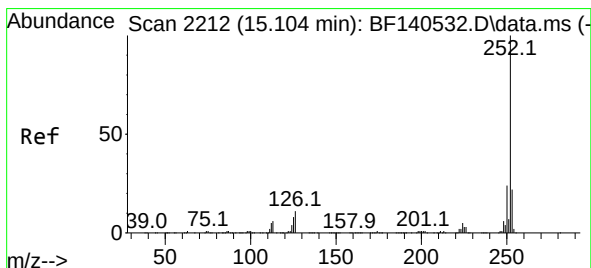
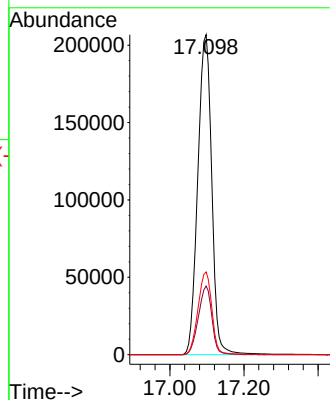
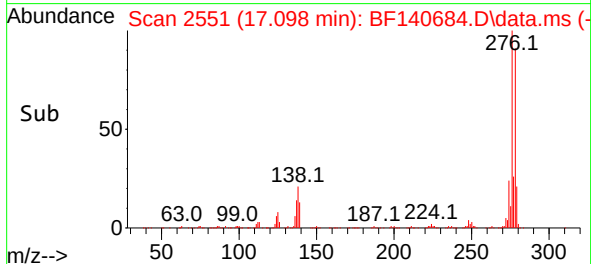


Tgt Ion:276 Resp: 539894  
Ion Ratio Lower Upper  
276 100  
138 20.8 15.5 23.3  
277 25.7 20.1 30.1

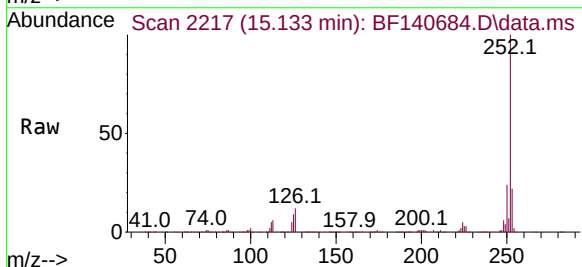
Manual Integrations

APPROVED

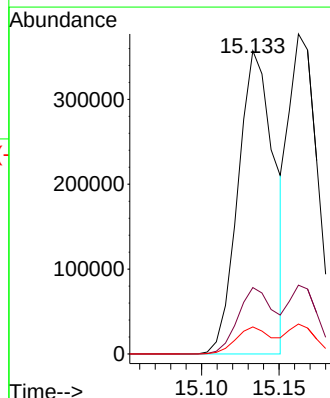
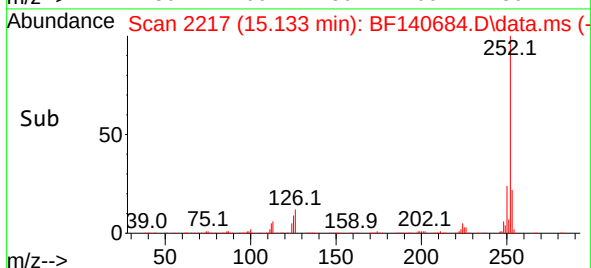
Reviewed By :Yogesh Patel 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024



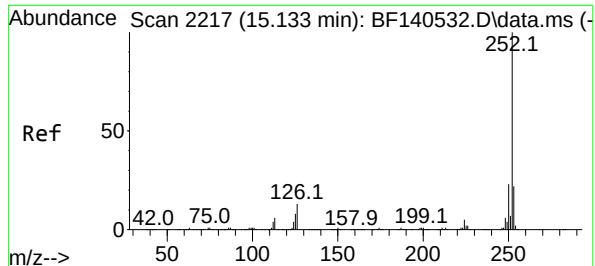
#88  
Benzo(b)fluoranthene  
Concen: 55.482 ng  
RT: 15.133 min Scan# 2217  
Delta R.T. 0.029 min  
Lab File: BF140684.D  
Acq: 02 Dec 2024 11:49



Tgt Ion:252 Resp: 578953  
Ion Ratio Lower Upper  
252 100  
253 21.9 17.2 25.8  
125 8.9 6.7 10.1







#89

Benzo(k)fluoranthene

Concen: 53.971 ng

RT: 15.162 min Scan# 21

Delta R.T. 0.029 min

Lab File: BF140684.D

Acq: 02 Dec 2024 11:49

Instrument :

BNA\_F

ClientSampleId :

PB165296BSD

Tgt Ion:252 Resp: 49283

Ion Ratio Lower Upper

252 100

253 21.5 17.5 26.3

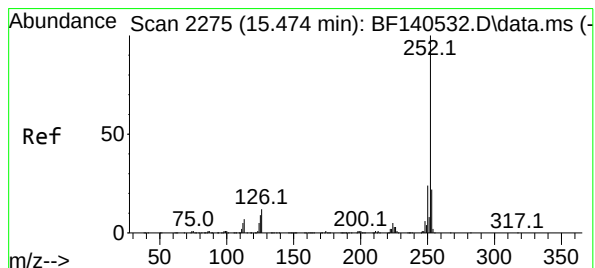
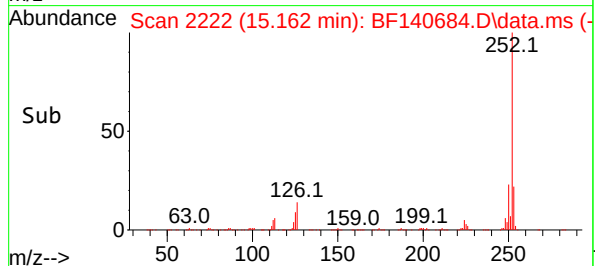
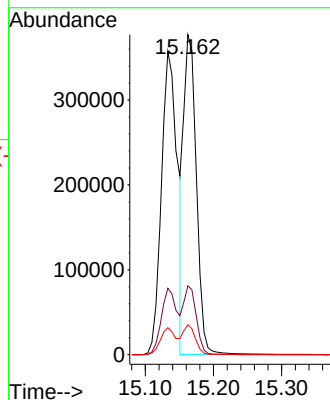
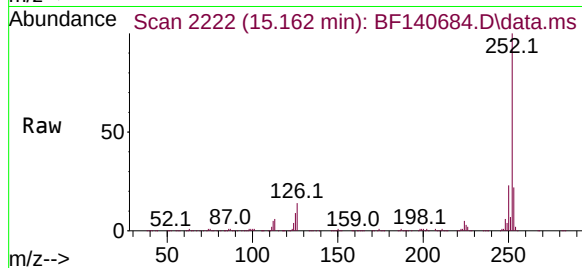
125 9.3 6.5 9.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/03/2024

Supervised By :mohammad ahmed 12/05/2024



#90

Benzo(a)pyrene

Concen: 62.457 ng

RT: 15.509 min Scan# 2281

Delta R.T. 0.035 min

Lab File: BF140684.D

Acq: 02 Dec 2024 11:49

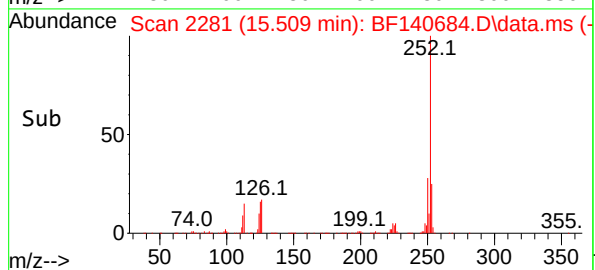
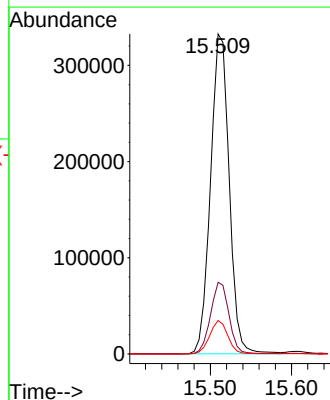
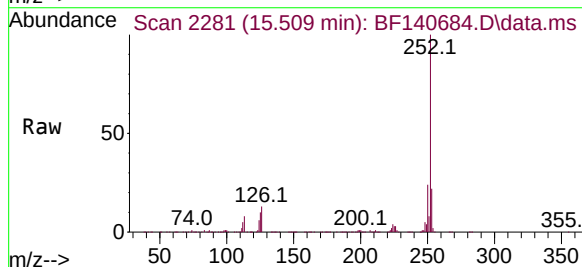
Tgt Ion:252 Resp: 529910

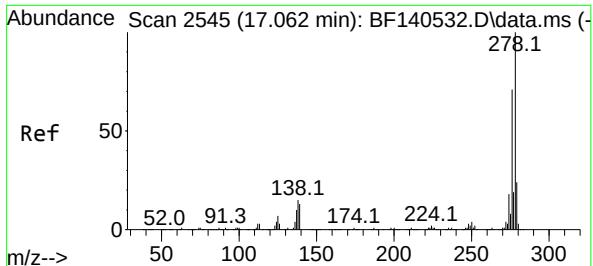
Ion Ratio Lower Upper

252 100

253 22.4 17.3 25.9

125 10.4 7.0 10.6





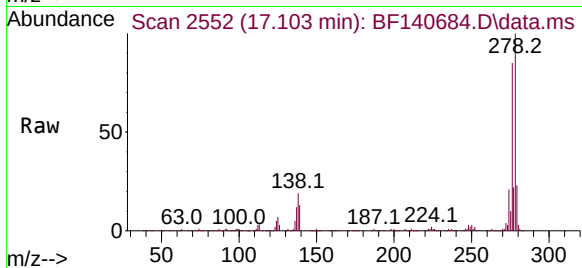
#91  
Dibenzo(a,h)anthracene  
Concen: 49.705 ng  
RT: 17.103 min Scan# 21  
Delta R.T. 0.041 min  
Lab File: BF140684.D  
Acq: 02 Dec 2024 11:49

Instrument :

BNA\_F

ClientSampleId :

PB165296BSD

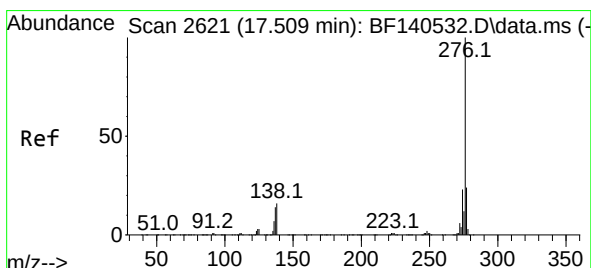
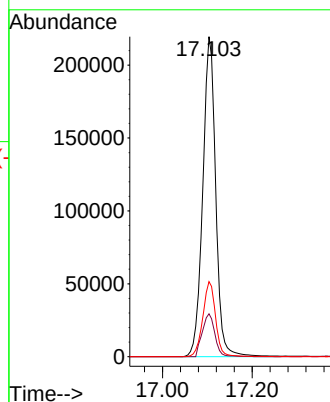
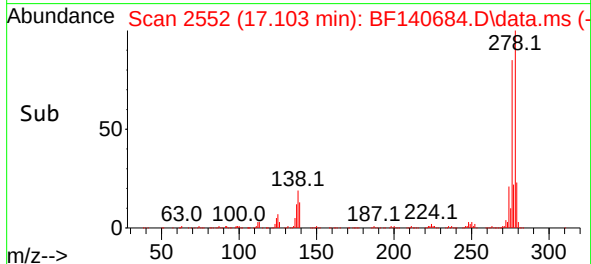


Tgt Ion:278 Resp: 440710  
Ion Ratio Lower Upper  
278 100  
139 13.4 10.2 15.4  
279 23.5 18.9 28.3

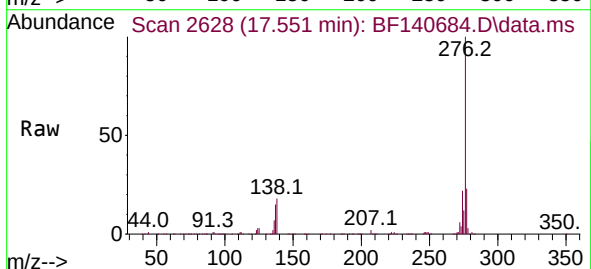
Manual Integrations

APPROVED

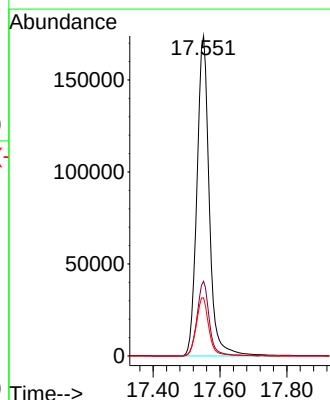
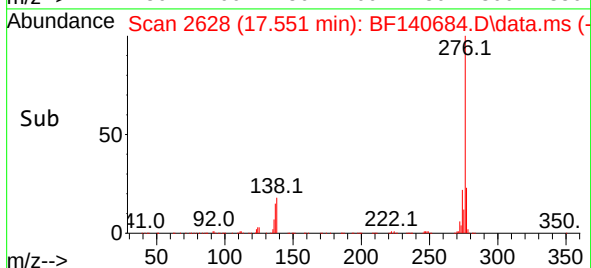
Reviewed By :Yogesh Patel 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024



#92  
Benzo(g,h,i)perylene  
Concen: 49.217 ng  
RT: 17.551 min Scan# 2628  
Delta R.T. 0.041 min  
Lab File: BF140684.D  
Acq: 02 Dec 2024 11:49



Tgt Ion:276 Resp: 445308  
Ion Ratio Lower Upper  
276 100  
277 23.4 18.9 28.3  
138 18.2 13.2 19.8



## Manual Integration Report

|           |          |            |       |
|-----------|----------|------------|-------|
| Sequence: | BF112124 | Instrument | BNA_f |
|-----------|----------|------------|-------|

| Sample ID   | File ID    | Parameter          | Review By | Review On                | Supervised By | Supervised On            | Reason                      |
|-------------|------------|--------------------|-----------|--------------------------|---------------|--------------------------|-----------------------------|
| SSTDICC010  | BF140530.D | Benzoic acid       | yogesh    | 11/22/2024<br>3:53:18 AM | mohammad      | 11/27/2024<br>6:03:59 AM | Peak Integrated by Software |
| SSTDICC020  | BF140531.D | Acenaphthene       | yogesh    | 11/22/2024<br>3:53:19 AM | mohammad      | 11/27/2024<br>6:03:59 AM | Peak Integrated by Software |
| SSTDICCC040 | BF140532.D | Acenaphthene       | yogesh    | 11/22/2024<br>3:53:21 AM | mohammad      | 11/27/2024<br>6:03:59 AM | Peak Integrated by Software |
| SSTDICV040  | BF140536.D | Acenaphthene       | yogesh    | 11/22/2024<br>3:53:22 AM | mohammad      | 11/27/2024<br>6:03:59 AM | Peak Integrated by Software |
| SSTDCCC040  | BF140539.D | 2,4-Dimethylphenol | yogesh    | 11/22/2024<br>3:53:24 AM | mohammad      | 11/27/2024<br>6:03:59 AM | Peak Integrated by Software |
| SSTDCCC040  | BF140539.D | Acenaphthene       | yogesh    | 11/22/2024<br>3:53:24 AM | mohammad      | 11/27/2024<br>6:03:59 AM | Peak Integrated by Software |

## Manual Integration Report

Sequence:

BF120224

Instrument

BNA\_f

| Sample ID   | File ID    | Parameter          | Review By | Review On                | Supervised By | Supervised On        | Reason                      |
|-------------|------------|--------------------|-----------|--------------------------|---------------|----------------------|-----------------------------|
| SSTDCCC040  | BF140681.D | 2,4-Dimethylphenol | yogesh    | 12/3/2024<br>12:27:19 AM | mohammad      | 12/5/2024 6:07:39 AM | Peak Integrated by Software |
| PB165296BS  | BF140683.D | 2,4-Dimethylphenol | yogesh    | 12/3/2024<br>12:27:21 AM | mohammad      | 12/5/2024 6:07:39 AM | Peak Integrated by Software |
| PB165296BS  | BF140683.D | Caprolactam        | yogesh    | 12/3/2024<br>12:27:21 AM | mohammad      | 12/5/2024 6:07:39 AM | Peak Integrated by Software |
| PB165296BSD | BF140684.D | Caprolactam        | yogesh    | 12/3/2024<br>12:27:22 AM | mohammad      | 12/5/2024 6:07:39 AM | Peak Integrated by Software |



Manual Integration Report

|           |          |            |       |
|-----------|----------|------------|-------|
| Sequence: | bf120324 | Instrument | BNA_f |
|-----------|----------|------------|-------|

| Sample ID  | File ID    | Parameter          | Review By | Review On            | Supervised By | Supervised On        | Reason                      |
|------------|------------|--------------------|-----------|----------------------|---------------|----------------------|-----------------------------|
| SSTDCCC040 | BF140702.D | 2,4-Dimethylphenol | Jagrut    | 12/3/2024 5:53:17 PM | mohammad      | 12/5/2024 6:07:59 AM | Peak Integrated by Software |
| SSTDCCC040 | BF140702.D | Pentachlorophenol  | Jagrut    | 12/3/2024 5:53:17 PM | mohammad      | 12/5/2024 6:07:59 AM | Peak Integrated by Software |

Instrument ID: **BNA\_F**

**Daily Analysis Runlog For Sequence/QC Batch ID # BF112124**

|                          |                                                         |                      |                       |
|--------------------------|---------------------------------------------------------|----------------------|-----------------------|
| Review By                | yogesh                                                  | Review On            | 11/22/2024 3:53:36 AM |
| Supervise By             | mohammad                                                | Supervise On         | 11/27/2024 6:04:00 AM |
| SubDirectory             | BF112124                                                | HP Acquire Method    | BNA_F                 |
|                          |                                                         | HP Processing Method | bf112124              |
| <b>STD. NAME</b>         | <b>STD REF.#</b>                                        |                      |                       |
| Tune/Reschk              | SP6573                                                  |                      |                       |
| Initial Calibration Stds | SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621 |                      |                       |
| CCC                      | SP6624                                                  |                      |                       |
| Internal Standard/PEM    | S12329,10ul/1000ul sample                               |                      |                       |
| ICV/I.BLK                | SP6559                                                  |                      |                       |
| Surrogate Standard       |                                                         |                      |                       |
| MS/MSD Standard          |                                                         |                      |                       |
| LCS Standard             |                                                         |                      |                       |

| Sr# | SampleId    | Data File Name | Date-Time         | Operator | Status |
|-----|-------------|----------------|-------------------|----------|--------|
| 1   | DFTPP       | BF140526.D     | 21 Nov 2024 10:17 | RC/JU    | Ok     |
| 2   | SSTDCCC040  | BF140527.D     | 21 Nov 2024 10:44 | RC/JU    | Not Ok |
| 3   | SSTDICC2.5  | BF140528.D     | 21 Nov 2024 11:13 | RC/JU    | Ok     |
| 4   | SSTDICC005  | BF140529.D     | 21 Nov 2024 11:39 | RC/JU    | Ok     |
| 5   | SSTDICC010  | BF140530.D     | 21 Nov 2024 12:05 | RC/JU    | Ok,M   |
| 6   | SSTDICC020  | BF140531.D     | 21 Nov 2024 12:32 | RC/JU    | Ok,M   |
| 7   | SSTDICCC040 | BF140532.D     | 21 Nov 2024 12:58 | RC/JU    | Ok,M   |
| 8   | SSTDICC050  | BF140533.D     | 21 Nov 2024 13:25 | RC/JU    | Ok     |
| 9   | SSTDICC060  | BF140534.D     | 21 Nov 2024 13:51 | RC/JU    | Ok     |
| 10  | SSTDICC080  | BF140535.D     | 21 Nov 2024 14:18 | RC/JU    | Ok     |
| 11  | SSTDICV040  | BF140536.D     | 21 Nov 2024 15:07 | RC/JU    | Ok,M   |
| 12  | PB165144BL  | BF140537.D     | 21 Nov 2024 15:34 | RC/JU    | Ok     |
| 13  | DFTPP       | BF140538.D     | 21 Nov 2024 16:27 | RC/JU    | Ok     |
| 14  | SSTDCCC040  | BF140539.D     | 21 Nov 2024 16:54 | RC/JU    | Ok,M   |
| 15  | PB165060TB  | BF140540.D     | 21 Nov 2024 17:20 | RC/JU    | Ok     |
| 16  | P4887-06    | BF140541.D     | 21 Nov 2024 17:55 | RC/JU    | Ok     |
| 17  | P4887-02    | BF140542.D     | 21 Nov 2024 18:21 | RC/JU    | Ok     |
| 18  | P4870-16    | BF140543.D     | 21 Nov 2024 18:48 | RC/JU    | Ok     |
| 19  | P4870-15    | BF140544.D     | 21 Nov 2024 19:14 | RC/JU    | Ok     |
| 20  | P4870-14    | BF140545.D     | 21 Nov 2024 19:40 | RC/JU    | Ok     |
| 21  | P4870-13    | BF140546.D     | 21 Nov 2024 20:07 | RC/JU    | Ok     |

Instrument ID: **BNA\_F**

**Daily Analysis Runlog For Sequence/QC Batch ID # BF112124**

| Review By                | yogesh                                                  | Review On            | 11/22/2024 3:53:36 AM |
|--------------------------|---------------------------------------------------------|----------------------|-----------------------|
| Supervise By             | mohammad                                                | Supervise On         | 11/27/2024 6:04:00 AM |
| SubDirectory             | BF112124                                                | HP Acquire Method    | BNA_F                 |
|                          |                                                         | HP Processing Method | bf112124              |
| STD. NAME                | STD REF.#                                               |                      |                       |
| Tune/Reschk              | SP6573                                                  |                      |                       |
| Initial Calibration Stds | SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621 |                      |                       |
| CCC                      | SP6624                                                  |                      |                       |
| Internal Standard/PEM    | S12329,10ul/1000ul sample                               |                      |                       |
| ICV/I.BLK                | SP6559                                                  |                      |                       |
| Surrogate Standard       |                                                         |                      |                       |
| MS/MSD Standard          |                                                         |                      |                       |
| LCS Standard             |                                                         |                      |                       |

|    |             |            |                   |       |          |
|----|-------------|------------|-------------------|-------|----------|
| 22 | P4929-02    | BF140547.D | 21 Nov 2024 20:33 | RC/JU | Ok       |
| 23 | P4924-04    | BF140548.D | 21 Nov 2024 20:59 | RC/JU | Ok       |
| 24 | P4921-01    | BF140549.D | 21 Nov 2024 21:25 | RC/JU | Ok       |
| 25 | P4916-12    | BF140550.D | 21 Nov 2024 21:51 | RC/JU | Ok       |
| 26 | P4916-08    | BF140551.D | 21 Nov 2024 22:18 | RC/JU | Ok       |
| 27 | P4916-04    | BF140552.D | 21 Nov 2024 22:44 | RC/JU | Ok       |
| 28 | P4887-01    | BF140553.D | 21 Nov 2024 23:10 | RC/JU | Ok       |
| 29 | P4916-09    | BF140554.D | 21 Nov 2024 23:36 | RC/JU | Ok       |
| 30 | P4916-09MS  | BF140555.D | 22 Nov 2024 00:02 | RC/JU | Ok,M     |
| 31 | P4916-09MSD | BF140556.D | 22 Nov 2024 00:28 | RC/JU | Ok,M     |
| 32 | P4916-01    | BF140557.D | 22 Nov 2024 00:54 | RC/JU | Ok       |
| 33 | P4916-05RE  | BF140558.D | 22 Nov 2024 01:21 | RC/JU | Confirms |
| 34 | P4887-05RE  | BF140559.D | 22 Nov 2024 01:47 | RC/JU | Confirms |
| 35 | P4924-01    | BF140560.D | 22 Nov 2024 02:13 | RC/JU | ReRun    |
| 36 | P4936-01    | BF140561.D | 22 Nov 2024 02:39 | RC/JU | Ok,M     |
| 37 | P4929-01    | BF140562.D | 22 Nov 2024 03:06 | RC/JU | Ok,M     |

M : Manual Integration

Instrument ID: **BNA\_F**

**Daily Analysis Runlog For Sequence/QC Batch ID # BF120224**

|                          |                                                         |                      |                       |
|--------------------------|---------------------------------------------------------|----------------------|-----------------------|
| Review By                | yogesh                                                  | Review On            | 12/3/2024 12:27:35 AM |
| Supervise By             | mohammad                                                | Supervise On         | 12/5/2024 6:07:39 AM  |
| SubDirectory             | BF120224                                                | HP Acquire Method    | BNA_F                 |
|                          |                                                         | HP Processing Method | bf112124              |
| <b>STD. NAME</b>         | <b>STD REF.#</b>                                        |                      |                       |
| Tune/Reschk              | SP6573                                                  |                      |                       |
| Initial Calibration Stds | SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621 |                      |                       |
| CCC                      | SP6624                                                  |                      |                       |
| Internal Standard/PEM    | S12330,10ul/1000ul sample                               |                      |                       |
| ICV/I.BLK                | SP6559                                                  |                      |                       |
| Surrogate Standard       |                                                         |                      |                       |
| MS/MSD Standard          |                                                         |                      |                       |
| LCS Standard             |                                                         |                      |                       |

| Sr# | SampleId    | Data File Name | Date-Time         | Operator | Status   |
|-----|-------------|----------------|-------------------|----------|----------|
| 1   | DFTPP       | BF140680.D     | 02 Dec 2024 09:05 | RC/JU    | Ok       |
| 2   | SSTDCCC040  | BF140681.D     | 02 Dec 2024 10:22 | RC/JU    | Ok,M     |
| 3   | PB165296BL  | BF140682.D     | 02 Dec 2024 10:57 | RC/JU    | Ok       |
| 4   | PB165296BS  | BF140683.D     | 02 Dec 2024 11:23 | RC/JU    | Ok,M     |
| 5   | PB165296BSD | BF140684.D     | 02 Dec 2024 11:49 | RC/JU    | Ok,M     |
| 6   | PB165294BL  | BF140685.D     | 02 Dec 2024 12:15 | RC/JU    | Ok       |
| 7   | PB165294BS  | BF140686.D     | 02 Dec 2024 12:41 | RC/JU    | Ok,M     |
| 8   | PB165248TB  | BF140687.D     | 02 Dec 2024 13:07 | RC/JU    | Ok       |
| 9   | P5021-05    | BF140688.D     | 02 Dec 2024 15:03 | RC/JU    | Ok       |
| 10  | P5021-04    | BF140689.D     | 02 Dec 2024 15:29 | RC/JU    | Ok       |
| 11  | P5006-18    | BF140690.D     | 02 Dec 2024 15:55 | RC/JU    | Ok       |
| 12  | P5021-01    | BF140691.D     | 02 Dec 2024 16:21 | RC/JU    | Ok       |
| 13  | P5048-04    | BF140692.D     | 02 Dec 2024 16:47 | RC/JU    | Ok       |
| 14  | P5005-02    | BF140693.D     | 02 Dec 2024 17:13 | RC/JU    | Ok       |
| 15  | P5005-02MS  | BF140694.D     | 02 Dec 2024 17:39 | RC/JU    | Ok,M     |
| 16  | P5005-02MSD | BF140695.D     | 02 Dec 2024 18:05 | RC/JU    | Ok,M     |
| 17  | P5026-05    | BF140696.D     | 02 Dec 2024 18:31 | RC/JU    | Ok       |
| 18  | P5026-05MS  | BF140697.D     | 02 Dec 2024 18:57 | RC/JU    | Ok,M     |
| 19  | P5026-05MSD | BF140698.D     | 02 Dec 2024 19:23 | RC/JU    | Ok,M     |
| 20  | P5045-01    | BF140699.D     | 02 Dec 2024 19:49 | RC/JU    | Dilution |
| 21  | P5046-01    | BF140700.D     | 02 Dec 2024 20:16 | RC/JU    | Ok       |

M : Manual Integration



Instrument ID: **BNA\_F**

**Daily Analysis Runlog For Sequence/QC Batch ID # BF120324**

|                          |                                                         |                      |                      |
|--------------------------|---------------------------------------------------------|----------------------|----------------------|
| Review By                | Jagrut                                                  | Review On            | 12/4/2024 2:55:44 PM |
| Supervise By             | mohammad                                                | Supervise On         | 12/5/2024 6:07:59 AM |
| SubDirectory             | BF120324                                                | HP Acquire Method    | BNA_F                |
|                          |                                                         | HP Processing Method | bf112124             |
| <b>STD. NAME</b>         | <b>STD REF.#</b>                                        |                      |                      |
| Tune/Reschk              | SP6573                                                  |                      |                      |
| Initial Calibration Stds | SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621 |                      |                      |
| CCC                      | SP6624                                                  |                      |                      |
| Internal Standard/PEM    | S12330,10ul/1000ul sample                               |                      |                      |
| ICV/I.BLK                | SP6559                                                  |                      |                      |
| Surrogate Standard       |                                                         |                      |                      |
| MS/MSD Standard          |                                                         |                      |                      |
| LCS Standard             |                                                         |                      |                      |

| Sr# | SampleId    | Data File Name | Date-Time         | Operator | Status |
|-----|-------------|----------------|-------------------|----------|--------|
| 1   | DFTPP       | BF140701.D     | 03 Dec 2024 10:24 | RC/JU    | Ok     |
| 2   | SSTDCCC040  | BF140702.D     | 03 Dec 2024 11:24 | RC/JU    | Ok,M   |
| 3   | PB165312BL  | BF140703.D     | 03 Dec 2024 11:56 | RC/JU    | Ok     |
| 4   | PB165312BS  | BF140704.D     | 03 Dec 2024 12:22 | RC/JU    | Ok,M   |
| 5   | PB165316BL  | BF140705.D     | 03 Dec 2024 12:48 | RC/JU    | Ok     |
| 6   | PB165316BS  | BF140706.D     | 03 Dec 2024 13:14 | RC/JU    | Ok,M   |
| 7   | PB165297TB  | BF140707.D     | 03 Dec 2024 13:40 | RC/JU    | Ok     |
| 8   | PB165339BS  | BF140708.D     | 03 Dec 2024 14:06 | RC/JU    | Ok,M   |
| 9   | PB165339BL  | BF140709.D     | 03 Dec 2024 14:32 | RC/JU    | Ok     |
| 10  | P5021-02    | BF140710.D     | 03 Dec 2024 14:59 | RC/JU    | Ok     |
| 11  | P5021-03    | BF140711.D     | 03 Dec 2024 15:24 | RC/JU    | Ok     |
| 12  | P5021-06    | BF140712.D     | 03 Dec 2024 15:50 | RC/JU    | Ok     |
| 13  | P5052-19    | BF140713.D     | 03 Dec 2024 16:16 | RC/JU    | Ok     |
| 14  | P5052-19MS  | BF140714.D     | 03 Dec 2024 16:42 | RC/JU    | Ok,M   |
| 15  | P5052-19MSD | BF140715.D     | 03 Dec 2024 17:08 | RC/JU    | Ok,M   |
| 16  | P5045-01DL  | BF140716.D     | 03 Dec 2024 17:34 | RC/JU    | Ok,M   |
| 17  | P5052-01    | BF140717.D     | 03 Dec 2024 18:00 | RC/JU    | Ok,M   |
| 18  | P5026-01    | BF140718.D     | 03 Dec 2024 18:26 | RC/JU    | Ok     |
| 19  | P5052-07    | BF140719.D     | 03 Dec 2024 18:52 | RC/JU    | Ok     |
| 20  | P5025-05    | BF140720.D     | 03 Dec 2024 19:18 | RC/JU    | Ok,M   |
| 21  | P5052-13    | BF140721.D     | 03 Dec 2024 19:44 | RC/JU    | Ok     |

Instrument ID: **BNA\_F**

**Daily Analysis Runlog For Sequence/QC Batch ID # BF120324**

| Review By                | Jagrut                                                  | Review On            | 12/4/2024 2:55:44 PM |
|--------------------------|---------------------------------------------------------|----------------------|----------------------|
| Supervise By             | mohammad                                                | Supervise On         | 12/5/2024 6:07:59 AM |
| SubDirectory             | BF120324                                                | HP Acquire Method    | BNA_F                |
|                          |                                                         | HP Processing Method | bf112124             |
| STD. NAME                | STD REF.#                                               |                      |                      |
| Tune/Reschk              | SP6573                                                  |                      |                      |
| Initial Calibration Stds | SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621 |                      |                      |
| CCC                      | SP6624                                                  |                      |                      |
| Internal Standard/PEM    | S12330,10ul/1000ul sample                               |                      |                      |
| ICV/I.BLK                | SP6559                                                  |                      |                      |
| Surrogate Standard       |                                                         |                      |                      |
| MS/MSD Standard          |                                                         |                      |                      |
| LCS Standard             |                                                         |                      |                      |

|    |          |            |                   |       |      |
|----|----------|------------|-------------------|-------|------|
| 22 | P5048-01 | BF140722.D | 03 Dec 2024 20:10 | RC/JU | Ok,M |
| 23 | P5025-01 | BF140723.D | 03 Dec 2024 20:36 | RC/JU | Ok,M |

M : Manual Integration

Instrument ID: BNA\_F

**Daily Analysis Runlog For Sequence/QC Batch ID # BF112124**

|              |          |                      |                       |
|--------------|----------|----------------------|-----------------------|
| Review By    | yogesh   | Review On            | 11/22/2024 3:53:36 AM |
| Supervise By | mohammad | Supervise On         | 11/27/2024 6:04:00 AM |
| SubDirectory | BF112124 | HP Acquire Method    | BNA_F                 |
|              |          | HP Processing Method | bf112124              |

| STD. NAME                | STD REF.#                                               |
|--------------------------|---------------------------------------------------------|
| Tune/Reschk              | SP6573                                                  |
| Initial Calibration Stds | SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621 |
| CCC                      | SP6624                                                  |
| Internal Standard/PEM    | S12329,10ul/1000ul sample                               |
| ICV/I.BLK                | SP6559                                                  |
| Surrogate Standard       |                                                         |
| MS/MSD Standard          |                                                         |
| LCS Standard             |                                                         |

| Sr# | SampleId    | ClientID    | Data File Name | Date-Time         | Comment                                                                                    | Operator | Status |
|-----|-------------|-------------|----------------|-------------------|--------------------------------------------------------------------------------------------|----------|--------|
| 1   | DFTPP       | DFTPP       | BF140526.D     | 21 Nov 2024 10:17 |                                                                                            | RC/JU    | Ok     |
| 2   | SSTDCCC040  | SSTDCCC040  | BF140527.D     | 21 Nov 2024 10:44 | A Fresh Calibration is required.                                                           | RC/JU    | Not Ok |
| 3   | SSTDICC2.5  | SSTDICC2.5  | BF140528.D     | 21 Nov 2024 11:13 |                                                                                            | RC/JU    | Ok     |
| 4   | SSTDICC005  | SSTDICC005  | BF140529.D     | 21 Nov 2024 11:39 | Compound#9,32,41,54,56,65,70 removed from 5 ppm                                            | RC/JU    | Ok     |
| 5   | SSTDICC010  | SSTDICC010  | BF140530.D     | 21 Nov 2024 12:05 |                                                                                            | RC/JU    | Ok,M   |
| 6   | SSTDICC020  | SSTDICC020  | BF140531.D     | 21 Nov 2024 12:32 | Compound#32,41,54 Kept on LR                                                               | RC/JU    | Ok,M   |
| 7   | SSTDICCC040 | SSTDICCC040 | BF140532.D     | 21 Nov 2024 12:58 | Calibration failed for Benzidine                                                           | RC/JU    | Ok,M   |
| 8   | SSTDICC050  | SSTDICC050  | BF140533.D     | 21 Nov 2024 13:25 | The Calibration is Good For 8270 DOD Except com#77 and good for 625.1 Method Except com#77 | RC/JU    | Ok     |
| 9   | SSTDICC060  | SSTDICC060  | BF140534.D     | 21 Nov 2024 13:51 |                                                                                            | RC/JU    | Ok     |
| 10  | SSTDICC080  | SSTDICC080  | BF140535.D     | 21 Nov 2024 14:18 | Compound#9 removed from 80 ppm                                                             | RC/JU    | Ok     |
| 11  | SSTDICV040  | ICVBF112124 | BF140536.D     | 21 Nov 2024 15:07 |                                                                                            | RC/JU    | Ok,M   |
| 12  | PB165144BL  | PB165144BL  | BF140537.D     | 21 Nov 2024 15:34 |                                                                                            | RC/JU    | Ok     |
| 13  | DFTPP       | DFTPP       | BF140538.D     | 21 Nov 2024 16:27 |                                                                                            | RC/JU    | Ok     |
| 14  | SSTDCCC040  | SSTDCCC040  | BF140539.D     | 21 Nov 2024 16:54 |                                                                                            | RC/JU    | Ok,M   |
| 15  | PB165060TB  | PB165060TB  | BF140540.D     | 21 Nov 2024 17:20 |                                                                                            | RC/JU    | Ok     |
| 16  | P4887-06    | MH-760      | BF140541.D     | 21 Nov 2024 17:55 |                                                                                            | RC/JU    | Ok     |

Instrument ID: BNA\_F

**Daily Analysis Runlog For Sequence/QC Batch ID # BF112124**

| Review By                | yogesh                                                  | Review On         | 11/22/2024 3:53:36 AM |                      |          |
|--------------------------|---------------------------------------------------------|-------------------|-----------------------|----------------------|----------|
| Supervise By             | mohammad                                                | Supervise On      | 11/27/2024 6:04:00 AM |                      |          |
| SubDirectory             | BF112124                                                | HP Acquire Method | BNA_F                 | HP Processing Method | bf112124 |
| STD. NAME                |                                                         | STD REF.#         |                       |                      |          |
| Tune/Reschk              | SP6573                                                  |                   |                       |                      |          |
| Initial Calibration Stds | SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621 |                   |                       |                      |          |
| CCC                      | SP6624                                                  |                   |                       |                      |          |
| Internal Standard/PEM    | S12329,10ul/1000ul sample                               |                   |                       |                      |          |
| ICV/I.BLK                | SP6559                                                  |                   |                       |                      |          |
| Surrogate Standard       |                                                         |                   |                       |                      |          |
| MS/MSD Standard          |                                                         |                   |                       |                      |          |
| LCS Standard             |                                                         |                   |                       |                      |          |

|    |             |                |            |                   |                        |       |          |
|----|-------------|----------------|------------|-------------------|------------------------|-------|----------|
| 17 | P4887-02    | MH-739         | BF140542.D | 21 Nov 2024 18:21 |                        | RC/JU | Ok       |
| 18 | P4870-16    | TP-15          | BF140543.D | 21 Nov 2024 18:48 |                        | RC/JU | Ok       |
| 19 | P4870-15    | MH-736         | BF140544.D | 21 Nov 2024 19:14 |                        | RC/JU | Ok       |
| 20 | P4870-14    | MH-735         | BF140545.D | 21 Nov 2024 19:40 |                        | RC/JU | Ok       |
| 21 | P4870-13    | TP-1           | BF140546.D | 21 Nov 2024 20:07 |                        | RC/JU | Ok       |
| 22 | P4929-02    | ARS520         | BF140547.D | 21 Nov 2024 20:33 |                        | RC/JU | Ok       |
| 23 | P4924-04    | MH-4           | BF140548.D | 21 Nov 2024 20:59 |                        | RC/JU | Ok       |
| 24 | P4921-01    | WC-11-A-202411 | BF140549.D | 21 Nov 2024 21:25 |                        | RC/JU | Ok       |
| 25 | P4916-12    | TP-3-WC        | BF140550.D | 21 Nov 2024 21:51 |                        | RC/JU | Ok       |
| 26 | P4916-08    | TP-2-WC        | BF140551.D | 21 Nov 2024 22:18 |                        | RC/JU | Ok       |
| 27 | P4916-04    | TP-1-WC        | BF140552.D | 21 Nov 2024 22:44 |                        | RC/JU | Ok       |
| 28 | P4887-01    | MH-739         | BF140553.D | 21 Nov 2024 23:10 |                        | RC/JU | Ok       |
| 29 | P4916-09    | TP-3-WC        | BF140554.D | 21 Nov 2024 23:36 |                        | RC/JU | Ok       |
| 30 | P4916-09MS  | TP-3-WCMS      | BF140555.D | 22 Nov 2024 00:02 |                        | RC/JU | Ok,M     |
| 31 | P4916-09MSD | TP-3-WCMSD     | BF140556.D | 22 Nov 2024 00:28 |                        | RC/JU | Ok,M     |
| 32 | P4916-01    | TP-1-WC        | BF140557.D | 22 Nov 2024 00:54 |                        | RC/JU | Ok       |
| 33 | P4916-05RE  | TP-2-WCRE      | BF140558.D | 22 Nov 2024 01:21 | Internal Standard Fail | RC/JU | Confirms |
| 34 | P4887-05RE  | MH-760RE       | BF140559.D | 22 Nov 2024 01:47 | Internal Standard Fail | RC/JU | Confirms |
| 35 | P4924-01    | MH-4           | BF140560.D | 22 Nov 2024 02:13 | Internal Standard Fail | RC/JU | ReRun    |

Instrument ID: BNA\_F

**Daily Analysis Runlog For Sequence/QC Batch ID # BF112124**

|              |          |                      |                       |
|--------------|----------|----------------------|-----------------------|
| Review By    | yogesh   | Review On            | 11/22/2024 3:53:36 AM |
| Supervise By | mohammad | Supervise On         | 11/27/2024 6:04:00 AM |
| SubDirectory | BF112124 | HP Acquire Method    | BNA_F                 |
|              |          | HP Processing Method | bf112124              |

| STD. NAME                | STD REF.#                                               |
|--------------------------|---------------------------------------------------------|
| Tune/Reschk              | SP6573                                                  |
| Initial Calibration Stds | SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621 |
| CCC                      | SP6624                                                  |
| Internal Standard/PEM    | S12329,10ul/1000ul sample                               |
| ICV/I.BLK                | SP6559                                                  |
| Surrogate Standard       |                                                         |
| MS/MSD Standard          |                                                         |
| LCS Standard             |                                                         |

|    |          |                |            |                   |                        |       |      |
|----|----------|----------------|------------|-------------------|------------------------|-------|------|
| 36 | P4936-01 | PL-01-11202024 | BF140561.D | 22 Nov 2024 02:39 | Internal Standard Fail | RC/JU | Ok,M |
| 37 | P4929-01 | ARS520         | BF140562.D | 22 Nov 2024 03:06 | Internal Standard Fail | RC/JU | Ok,M |

M : Manual Integration

Instrument ID: BNA\_F

**Daily Analysis Runlog For Sequence/QC Batch ID # BF120224**

|              |          |                      |                       |
|--------------|----------|----------------------|-----------------------|
| Review By    | yogesh   | Review On            | 12/3/2024 12:27:35 AM |
| Supervise By | mohammad | Supervise On         | 12/5/2024 6:07:39 AM  |
| SubDirectory | BF120224 | HP Acquire Method    | BNA_F                 |
|              |          | HP Processing Method | bf112124              |

| STD. NAME                | STD REF.#                                               |
|--------------------------|---------------------------------------------------------|
| Tune/Reschk              | SP6573                                                  |
| Initial Calibration Stds | SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621 |
| CCC                      | SP6624                                                  |
| Internal Standard/PEM    | S12330,10ul/1000ul sample                               |
| ICV/I.BLK                | SP6559                                                  |
| Surrogate Standard       |                                                         |
| MS/MSD Standard          |                                                         |
| LCS Standard             |                                                         |

| Sr# | SampleID    | ClientID      | Data File Name | Date-Time         | Comment | Operator | Status |
|-----|-------------|---------------|----------------|-------------------|---------|----------|--------|
| 1   | DFTPP       | DFTPP         | BF140680.D     | 02 Dec 2024 09:05 |         | RC/JU    | Ok     |
| 2   | SSTDCCC040  | SSTDCCC040    | BF140681.D     | 02 Dec 2024 10:22 |         | RC/JU    | Ok,M   |
| 3   | PB165296BL  | PB165296BL    | BF140682.D     | 02 Dec 2024 10:57 |         | RC/JU    | Ok     |
| 4   | PB165296BS  | PB165296BS    | BF140683.D     | 02 Dec 2024 11:23 |         | RC/JU    | Ok,M   |
| 5   | PB165296BSD | PB165296BSD   | BF140684.D     | 02 Dec 2024 11:49 |         | RC/JU    | Ok,M   |
| 6   | PB165294BL  | PB165294BL    | BF140685.D     | 02 Dec 2024 12:15 |         | RC/JU    | Ok     |
| 7   | PB165294BS  | PB165294BS    | BF140686.D     | 02 Dec 2024 12:41 |         | RC/JU    | Ok,M   |
| 8   | PB165248TB  | PB165248TB    | BF140687.D     | 02 Dec 2024 13:07 |         | RC/JU    | Ok     |
| 9   | P5021-05    | MW-13         | BF140688.D     | 02 Dec 2024 15:03 |         | RC/JU    | Ok     |
| 10  | P5021-04    | MW-11         | BF140689.D     | 02 Dec 2024 15:29 |         | RC/JU    | Ok     |
| 11  | P5006-18    | TW-WTS-02     | BF140690.D     | 02 Dec 2024 15:55 |         | RC/JU    | Ok     |
| 12  | P5021-01    | MW-06         | BF140691.D     | 02 Dec 2024 16:21 |         | RC/JU    | Ok     |
| 13  | P5048-04    | MH-746-WC     | BF140692.D     | 02 Dec 2024 16:47 |         | RC/JU    | Ok     |
| 14  | P5005-02    | STOCK-PILE    | BF140693.D     | 02 Dec 2024 17:13 |         | RC/JU    | Ok     |
| 15  | P5005-02MS  | STOCK-PILEMS  | BF140694.D     | 02 Dec 2024 17:39 |         | RC/JU    | Ok,M   |
| 16  | P5005-02MSD | STOCK-PILEMSD | BF140695.D     | 02 Dec 2024 18:05 |         | RC/JU    | Ok,M   |
| 17  | P5026-05    | SOIL-1-HAM    | BF140696.D     | 02 Dec 2024 18:31 |         | RC/JU    | Ok     |
| 18  | P5026-05MS  | SOIL-1-HAMMS  | BF140697.D     | 02 Dec 2024 18:57 |         | RC/JU    | Ok,M   |

Instrument ID: BNA\_F

**Daily Analysis Runlog For Sequence/QC Batch ID # BF120224**

|              |          |                   |                       |                      |          |
|--------------|----------|-------------------|-----------------------|----------------------|----------|
| Review By    | yogesh   | Review On         | 12/3/2024 12:27:35 AM |                      |          |
| Supervise By | mohammad | Supervise On      | 12/5/2024 6:07:39 AM  |                      |          |
| SubDirectory | BF120224 | HP Acquire Method | BNA_F                 | HP Processing Method | bf112124 |

| STD. NAME                | STD REF.#                                               |
|--------------------------|---------------------------------------------------------|
| Tune/Reschk              | SP6573                                                  |
| Initial Calibration Stds | SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621 |
| CCC                      | SP6624                                                  |
| Internal Standard/PEM    | S12330,10ul/1000ul sample                               |
| ICV/I.BLK                | SP6559                                                  |
| Surrogate Standard       |                                                         |
| MS/MSD Standard          |                                                         |
| LCS Standard             |                                                         |

|    |             |                |            |                   |                  |       |          |
|----|-------------|----------------|------------|-------------------|------------------|-------|----------|
| 19 | P5026-05MSD | SOIL-1-HAMMSD  | BF140698.D | 02 Dec 2024 19:23 |                  | RC/JU | Ok,M     |
| 20 | P5045-01    | SU-04-11222024 | BF140699.D | 02 Dec 2024 19:49 | Need 2X Dilution | RC/JU | Dilution |
| 21 | P5046-01    | HD-01-11272024 | BF140700.D | 02 Dec 2024 20:16 |                  | RC/JU | Ok       |

M : Manual Integration

Instrument ID: BNA\_F

**Daily Analysis Runlog For Sequence/QC Batch ID # BF120324**

|              |          |                      |                      |
|--------------|----------|----------------------|----------------------|
| Review By    | Jagrut   | Review On            | 12/4/2024 2:55:44 PM |
| Supervise By | mohammad | Supervise On         | 12/5/2024 6:07:59 AM |
| SubDirectory | BF120324 | HP Acquire Method    | BNA_F                |
|              |          | HP Processing Method | bf112124             |

| STD. NAME                | STD REF.#                                               |
|--------------------------|---------------------------------------------------------|
| Tune/Reschk              | SP6573                                                  |
| Initial Calibration Stds | SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621 |
| CCC                      | SP6624                                                  |
| Internal Standard/PEM    | S12330,10ul/1000ul sample                               |
| ICV/I.BLK                | SP6559                                                  |
| Surrogate Standard       |                                                         |
| MS/MSD Standard          |                                                         |
| LCS Standard             |                                                         |

| Sr# | SampleID    | ClientID          | Data File Name | Date-Time         | Comment | Operator | Status |
|-----|-------------|-------------------|----------------|-------------------|---------|----------|--------|
| 1   | DFTPP       | DFTPP             | BF140701.D     | 03 Dec 2024 10:24 |         | RC/JU    | Ok     |
| 2   | SSTDCCC040  | SSTDCCC040        | BF140702.D     | 03 Dec 2024 11:24 |         | RC/JU    | Ok,M   |
| 3   | PB165312BL  | PB165312BL        | BF140703.D     | 03 Dec 2024 11:56 |         | RC/JU    | Ok     |
| 4   | PB165312BS  | PB165312BS        | BF140704.D     | 03 Dec 2024 12:22 |         | RC/JU    | Ok,M   |
| 5   | PB165316BL  | PB165316BL        | BF140705.D     | 03 Dec 2024 12:48 |         | RC/JU    | Ok     |
| 6   | PB165316BS  | PB165316BS        | BF140706.D     | 03 Dec 2024 13:14 |         | RC/JU    | Ok,M   |
| 7   | PB165297TB  | PB165297TB        | BF140707.D     | 03 Dec 2024 13:40 |         | RC/JU    | Ok     |
| 8   | PB165339BS  | PB165339BS        | BF140708.D     | 03 Dec 2024 14:06 |         | RC/JU    | Ok,M   |
| 9   | PB165339BL  | PB165339BL        | BF140709.D     | 03 Dec 2024 14:32 |         | RC/JU    | Ok     |
| 10  | P5021-02    | MW-08             | BF140710.D     | 03 Dec 2024 14:59 |         | RC/JU    | Ok     |
| 11  | P5021-03    | MW-10             | BF140711.D     | 03 Dec 2024 15:24 |         | RC/JU    | Ok     |
| 12  | P5021-06    | MW-12             | BF140712.D     | 03 Dec 2024 15:50 |         | RC/JU    | Ok     |
| 13  | P5052-19    | OR-640-COMP-63    | BF140713.D     | 03 Dec 2024 16:16 |         | RC/JU    | Ok     |
| 14  | P5052-19MS  | OR-640-COMP-63MS  | BF140714.D     | 03 Dec 2024 16:42 |         | RC/JU    | Ok,M   |
| 15  | P5052-19MSD | OR-640-COMP-63MSD | BF140715.D     | 03 Dec 2024 17:08 |         | RC/JU    | Ok,M   |
| 16  | P5045-01DL  | SU-04-11222024DL  | BF140716.D     | 03 Dec 2024 17:34 |         | RC/JU    | Ok,M   |
| 17  | P5052-01    | OR-640-COMP-50    | BF140717.D     | 03 Dec 2024 18:00 |         | RC/JU    | Ok,M   |
| 18  | P5026-01    | SOIL-1-HAM        | BF140718.D     | 03 Dec 2024 18:26 |         | RC/JU    | Ok     |



Instrument ID: BNA\_F

**Daily Analysis Runlog For Sequence/QC Batch ID # BF120324**

| Review By                | Jagrut                                                  | Review On         | 12/4/2024 2:55:44 PM |                      |          |
|--------------------------|---------------------------------------------------------|-------------------|----------------------|----------------------|----------|
| Supervise By             | mohammad                                                | Supervise On      | 12/5/2024 6:07:59 AM |                      |          |
| SubDirectory             | BF120324                                                | HP Acquire Method | BNA_F                | HP Processing Method | bf112124 |
| STD. NAME                | STD REF.#                                               |                   |                      |                      |          |
| Tune/Reschk              | SP6573                                                  |                   |                      |                      |          |
| Initial Calibration Stds | SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621 |                   |                      |                      |          |
| CCC                      | SP6624                                                  |                   |                      |                      |          |
| Internal Standard/PEM    | S12330,10ul/1000ul sample                               |                   |                      |                      |          |
| ICV/I.BLK                | SP6559                                                  |                   |                      |                      |          |
| Surrogate Standard       |                                                         |                   |                      |                      |          |
| MS/MSD Standard          |                                                         |                   |                      |                      |          |
| LCS Standard             |                                                         |                   |                      |                      |          |

|    |          |                |            |                   |  |       |      |
|----|----------|----------------|------------|-------------------|--|-------|------|
| 19 | P5052-07 | OR-640-COMP-51 | BF140719.D | 03 Dec 2024 18:52 |  | RC/JU | Ok   |
| 20 | P5025-05 | SOIL-EAST      | BF140720.D | 03 Dec 2024 19:18 |  | RC/JU | Ok,M |
| 21 | P5052-13 | OR-640-COMP-62 | BF140721.D | 03 Dec 2024 19:44 |  | RC/JU | Ok   |
| 22 | P5048-01 | MH-746-WC      | BF140722.D | 03 Dec 2024 20:10 |  | RC/JU | Ok,M |
| 23 | P5025-01 | SOIL-WEST      | BF140723.D | 03 Dec 2024 20:36 |  | RC/JU | Ok,M |

M : Manual Integration

**SOP ID:** M3541-ASE Extraction-14

**Clean Up SOP #:** N/A

**Matrix :** Water

**Weight By:** N/A **Extraction By:** RJ

**Balance check:** N/A **Filter By:** RS

**Balance ID:** N/A **pH Meter ID:** N/A

**pH Strip Lot#:** E3574 **Hood ID:** 4,5,6,7

**Extraction Method:** ☒ Separatory Funnel ☐ Continuous Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☐ Soxhlet

**Extraction Start Date :** 11/27/2024

**Extraction Start Time :** 08:40

**Extraction End Date :** 11/27/2024

**Extraction End Time :** 17:25

**Concentration By:** EH

**Supervisor By :** rajesh

| Standard Name | MLS USED | Concentration ug/mL | STD REF. # FROM LOG |
|---------------|----------|---------------------|---------------------|
| Spike Sol 1   | 1.0ML    | 50/100 PPM          | SP6681              |
| 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 |
|--------------------|----------------|------------|
| Methylene Chloride | N/A            | E3829      |
| Baked Na2SO4       | N/A            | EP2562     |
| 10N NaOH           | N/A            | EP2559     |
| H2SO4 1:1          | N/A            | EP2565     |
| N/A                | N/A            | N/A        |
| N/A                | N/A            | N/A        |
| N/A                | N/A            | N/A        |
| N/A                | N/A            | N/A        |
| N/A                | N/A            | N/A        |
| N/A                | N/A            | N/A        |
| N/A                | N/A            | N/A        |
| 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. pH Adjusted <2 with 1:1 H2SO4 & >11 with 10N NaOH. P5006-18 Limited volume recd. P5021-01 to 06 Added in batch at 12:25.

**KD Bath ID:** Water bath -01,02 **Envap ID:** NEVAP-02

**KD Bath Temperature:** 60 °C **Envap Temperature:** 40 °C

| Date / Time | Prepped Sample Relinquished By/Location | Received By/Location |
|-------------|-----------------------------------------|----------------------|
| 11/27/24    | RP (Ext Lab)                            | Relvroc              |
| 17:30       | Preparation Group                       | Analysis Group       |

Analytical Method: M3541-ASE Extraction-14

Concentration Date: 11/27/2024

| Sample ID       | Client Sample ID | Test             | g / mL | PH | Surr/Spike By: |            | Final Vol.<br>(mL) | JarID | Comments | Prep<br>Pos |
|-----------------|------------------|------------------|--------|----|----------------|------------|--------------------|-------|----------|-------------|
|                 |                  |                  |        |    | AddedBy        | VerifiedBy |                    |       |          |             |
| PB165296BL      | SBLK296          | SVOCMS<br>Group4 | 1000   | 6  | RUPESH         | rajesh     | 1                  |       |          | SEP-01      |
| PB165296BS      | SLCS296          | SVOCMS<br>Group4 | 1000   | 6  | RUPESH         | rajesh     | 1                  |       |          | 2           |
| PB165296BS<br>D | SLCSD296         | SVOCMS<br>Group4 | 1000   | 6  | RUPESH         | rajesh     | 1                  |       |          | 3           |
| P5006-18        | TW-WTS-02        | SVOCMS<br>Group4 | 495    | 6  | RUPESH         | rajesh     | 0.5                | C     |          | 4           |
| P5021-01        | MW-06            | SVOCMS<br>Group1 | 980    | 6  | RUPESH         | rajesh     | 1                  | D     |          | 5           |
| P5021-02        | MW-08            | SVOCMS<br>Group1 | 990    | 6  | RUPESH         | rajesh     | 1                  | D     |          | 6           |
| P5021-03        | MW-10            | SVOCMS<br>Group1 | 980    | 6  | RUPESH         | rajesh     | 1                  | D     |          | 7           |
| P5021-04        | MW-11            | SVOCMS<br>Group1 | 990    | 6  | RUPESH         | rajesh     | 1                  | D     |          | 8           |
| P5021-05        | MW-13            | SVOCMS<br>Group1 | 990    | 9  | RUPESH         | rajesh     | 1                  | D     |          | 9           |
| P5021-06        | MW-12            | SVOCMS<br>Group1 | 980    | 6  | RUPESH         | rajesh     | 1                  | D     |          | 10          |

\* Extracts relinquished on the same date as received.



WORKLIST(Hardcopy Internal Chain)

WorkList Name : P5006

WorkList ID : 185835

Department : Extraction

Date : 11-27-2024 08:36:57

| Sample   | Customer Sample | Matrix | Test          | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method |
|----------|-----------------|--------|---------------|--------------|----------|-----------------------------|--------------|--------|
| P5006-18 | TW-WTS-02       | Water  | SVOCMS Group4 | Cool 4 deg C | ENTA05   | L51                         | 11/25/2024   | 8270E  |

Date/Time 11/27/24 8:38  
Raw Sample Received by: P. J. (Sgt Loh)  
Raw Sample Relinquished by: C. J. (Sgt Loh)

Date/Time 11/27/24 9:00  
Raw Sample Received by: P. J.  
Raw Sample Relinquished by: P. J. (Sgt Loh)

# WORKLIST(Hardcopy Internal Chain)

WorkList Name : P5021      WorkList ID : 185855      Department : Extraction      Date : 11-27-2024 12:25:26

| Sample   | Customer Sample | Matrix | Test          | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method |
|----------|-----------------|--------|---------------|--------------|----------|-----------------------------|--------------|--------|
| P5021-01 | MW-06           | Water  | SVOCMS Group1 | Cool 4 deg C | LIRO01   | L41                         | 11/26/2024   | 8270E  |
| P5021-02 | MW-08           | Water  | SVOCMS Group1 | Cool 4 deg C | LIRO01   | L41                         | 11/26/2024   | 8270E  |
| P5021-03 | MW-10           | Water  | SVOCMS Group1 | Cool 4 deg C | LIRO01   | L41                         | 11/26/2024   | 8270E  |
| P5021-04 | MW-11           | Water  | SVOCMS Group1 | Cool 4 deg C | LIRO01   | L41                         | 11/26/2024   | 8270E  |
| P5021-05 | MW-13           | Water  | SVOCMS Group1 | Cool 4 deg C | LIRO01   | L41                         | 11/26/2024   | 8270E  |
| P5021-06 | MW-12           | Water  | SVOCMS Group1 | Cool 4 deg C | LIRO01   | L41                         | 11/26/2024   | 8270E  |

Date/Time 11/27/24  
 Raw Sample Received by: RS (Est 124)  
 Raw Sample Relinquished by: A.C (San)

Date/Time 11/27/24 13:00  
 Raw Sample Received by: A.C (San)  
 Raw Sample Relinquished by: RS (Est 124)



# SHIPPING DOCUMENTS

**CHEMTECH**

## CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092

(908) 789-8900 Fax: (908) 78-8922

www.chemtech.net

Chemtech Project Number:

PS021

COC Number:

## CLIENT INFORMATION

COMPANY: Liro Environmental Inc.

ADDRESS: 690 Delaware Ave

CITY: Buffalo STATE: NY ZIP: 14209

ATTENTION: Martin Wesolowski

PHONE: 716.970.4273

FAX: 716.882.9640

## PROJECT INFORMATION

PROJECT NAME: RMB, RFK Bridge Randall's Island

PROJECT #: RMB-2023 LOCATION: NY

PROJECT MANAGER: Martin Wesolowski

E-MAIL: Wesolowskim@liro.com

PHONE: 716-970-9640

FAX: 716-882-9640

## BILLING INFORMATION

BILL TO: Same

PO#

ADDRESS: Same

CITY: Same

STATE: ZIP:

ATTENTION: Same

PHONE:

## DATA TURNAROUND INFORMATION

FAX: \_\_\_\_\_ DAYS\*  
HARD COPY: standard DAYS\*  
EDD \_\_\_\_\_ DAYS\*

\* TO BE APPROVED BY CHEMTECH

STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

## DATA DELIVERABLE INFORMATION

- ☐ RESULTS ONLY ☐ USEPA CLP  
☐ RESULTS + QC ☐ New York State ASP "B"  
☐ New Jersey REDUCED ☐ New York State ASP "A"  
☐ New Jersey CLP ☐ Other \_\_\_\_\_  
☐ EDD Format

## ANALYSIS

| CP-51 VOCs | CP-51 SVOCs | Tables 2 & 3 |   |   |   |   |   |   |  |
|------------|-------------|--------------|---|---|---|---|---|---|--|
| 1          | 2           | 3            | 4 | 5 | 6 | 7 | 8 | 9 |  |

## PRESERVATIVES

## COMMENTS

<-- Specify Preservatives  
A-HCl B-HNO3  
C-H2SO4 D-NaOH  
E-ICE F-Other

| CHEMTECH<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  |              | A             | Ice |   |   |   |   |   |   |   | ← Specify Preservatives<br>A-HCl    B-HNO3<br>C-H2SO4    D-NaOH<br>E-ICE    F-Other |  |
|                          |                                  |                  |                |      |                      |       |              | 1             | 2   | 3 | 4 | 5 | 6 | 7 | 8 | 9 |                                                                                     |  |
| 1.                       | MW-06                            | GW               |                | X    | 11/26/24             | 11:05 | 5            | X             | X   | X |   |   |   |   |   |   |                                                                                     |  |
| 2.                       | MW-08                            | GW               |                | X    | 11/26/24             | 11:55 | 5            | X             | X   | X |   |   |   |   |   |   |                                                                                     |  |
| 3.                       | MW-10                            | GW               |                | X    | 11/26/24             | 12:40 | 5            | X             | X   | X |   |   |   |   |   |   |                                                                                     |  |
| 4.                       | MW-11                            | GW               |                | X    | 11/26/24             | 13:20 | 5            | X             | X   | X |   |   |   |   |   |   |                                                                                     |  |
| 5.                       | MW-13                            | GW               |                | X    | 11/26/24             | 13:35 | 4            | X             | X   | X |   |   |   |   |   |   |                                                                                     |  |
| 6.                       | MW-12                            | GW               |                | X    | 11/26/24             | 13:50 | 5            | X             | X   | X |   |   |   |   |   |   |                                                                                     |  |
| 7.                       |                                  |                  |                |      |                      |       |              |               |     |   |   |   |   |   |   |   |                                                                                     |  |
| 8.                       |                                  |                  |                |      |                      |       |              |               |     |   |   |   |   |   |   |   |                                                                                     |  |
| 9.                       |                                  |                  |                |      |                      |       |              |               |     |   |   |   |   |   |   |   |                                                                                     |  |
| 10.                      |                                  |                  |                |      |                      |       |              |               |     |   |   |   |   |   |   |   |                                                                                     |  |

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

|                                                   |                            |                                              |                                                                                                                                                                                                                                                                                                                                               |                                                                               |
|---------------------------------------------------|----------------------------|----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|
| RELINQUISHED BY: SAMPLER<br>1. <u>[Signature]</u> | DATE/TIME<br>11/26/24 1600 | RECEIVED BY<br>1. <u>[Signature]</u>         | Conditions of bottles or coolers at receipt: <input type="checkbox"/> Compliant <input type="checkbox"/> Non Compliant <input type="checkbox"/> Cooler Temp <u>24°C</u><br>MeOH extraction requires an additional 4oz. Jar for percent solid<br>Comments:<br><div style="text-align: right;">Ice in Cooler?: <u>yes</u><br/>IR Count #1</div> |                                                                               |
| RELINQUISHED BY<br>2. <u>[Signature]</u>          | DATE/TIME<br>1005          | RECEIVED BY<br>2. <u>[Signature]</u>         |                                                                                                                                                                                                                                                                                                                                               |                                                                               |
| RELINQUISHED BY<br>3. <u>[Signature]</u>          | DATE/TIME<br>11-27-24      | RECEIVED FOR LAB BY<br>3. <u>[Signature]</u> |                                                                                                                                                                                                                                                                                                                                               |                                                                               |
| Page _____ of _____                               |                            |                                              | SHIPPED VIA: CLIENT: <input type="checkbox"/> Hand Delivered <input type="checkbox"/> Overnight<br>CHEMTECH: <input type="checkbox"/> Picked Up <input type="checkbox"/> Overnight                                                                                                                                                            | Shipment Complete<br><input type="checkbox"/> YES <input type="checkbox"/> NO |

WHITE - CHEMTECH COPY FOR RETURN TO CLIENT

YELLOW - CHEMTECH COPY

PINK - SAMPLER COPY



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       |



## LOGIN REPORT/SAMPLE TRANSFER

|                                            |               |                                                  |                                |
|--------------------------------------------|---------------|--------------------------------------------------|--------------------------------|
| <b>Order ID :</b> P5021                    | <b>LIRO01</b> | <b>Order Date :</b> 11/27/2024 10:41:00 AM       | <b>Project Mgr :</b>           |
| <b>Client Name :</b> LiRo Engineers, Inc.  |               | <b>Project Name :</b> RFK Bridge                 | <b>Report Type :</b> NYS ASP A |
| <b>Client Contact :</b> Martin Wesolowski  |               | <b>Receive DateTime :</b> 11/27/2024 10:05:00 AM | <b>EDD Type :</b> Excel NY     |
| <b>Invoice Name :</b> LiRo Engineers, Inc. |               | <b>Purchase Order :</b>                          | <b>Hard Copy Date :</b>        |
| <b>Invoice Contact :</b> Martin Wesolowski |               |                                                  | <b>Date Signoff :</b>          |

| LAB ID   | CLIENT ID | MATRIX | SAMPLE DATE | SAMPLE TIME | TEST         | TEST GROUP | METHOD   | FAX DATE     | DUE DATES |
|----------|-----------|--------|-------------|-------------|--------------|------------|----------|--------------|-----------|
| P5021-01 | MW-06     | Water  | 11/26/2024  | 11:05       |              |            |          |              |           |
|          |           |        |             |             | VOCMS Group1 |            | 8260-Low | 10 Bus. Days |           |
| P5021-02 | MW-08     | Water  | 11/26/2024  | 11:55       |              |            |          |              |           |
|          |           |        |             |             | VOCMS Group1 |            | 8260-Low | 10 Bus. Days |           |
| P5021-03 | MW-10     | Water  | 11/26/2024  | 12:40       |              |            |          |              |           |
|          |           |        |             |             | VOCMS Group1 |            | 8260-Low | 10 Bus. Days |           |
| P5021-04 | MW-11     | Water  | 11/26/2024  | 13:20       |              |            |          |              |           |
|          |           |        |             |             | VOCMS Group1 |            | 8260-Low | 10 Bus. Days |           |
| P5021-05 | MW-13     | Water  | 11/26/2024  | 13:35       |              |            |          |              |           |
|          |           |        |             |             | VOCMS Group1 |            | 8260-Low | 10 Bus. Days |           |
| P5021-06 | MW-12     | Water  | 11/26/2024  | 13:50       |              |            |          |              |           |
|          |           |        |             |             | VOCMS Group1 |            | 8260-Low | 10 Bus. Days |           |

## LOGIN REPORT/SAMPLE TRANSFER

|                                            |               |                                                  |                               |
|--------------------------------------------|---------------|--------------------------------------------------|-------------------------------|
| <b>Order ID :</b> P5021                    | <b>LIRO01</b> | <b>Order Date :</b> 11/27/2024 10:41:00 AM       | <b>Project Mgr :</b>          |
| <b>Client Name :</b> LiRo Engineers, Inc.  |               | <b>Project Name :</b> RFK Bridge                 | <b>Report Type :</b> NYS ASPA |
| <b>Client Contact :</b> Martin Wesolowski  |               | <b>Receive DateTime :</b> 11/27/2024 10:05:00 AM | <b>EDD Type :</b> Excel NY    |
| <b>Invoice Name :</b> LiRo Engineers, Inc. |               | <b>Purchase Order :</b>                          | <b>Hard Copy Date :</b>       |
| <b>Invoice Contact :</b> Martin Wesolowski |               |                                                  | <b>Date Signoff :</b>         |

| LAB ID | CLIENT ID | MATRIX | SAMPLE DATE | SAMPLE TIME | TEST | TEST GROUP | METHOD | FAX DATE | DUE DATES |
|--------|-----------|--------|-------------|-------------|------|------------|--------|----------|-----------|
|--------|-----------|--------|-------------|-------------|------|------------|--------|----------|-----------|

Relinquished By :

Date / Time : 11-27-24 1200

Received By :

Date / Time :

Storage Area : VOA Refridgerator Room