

## 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> | Q3828                          | <b>OrderDate:</b> | 12/9/2025 4:14:00 PM                      |
| <b>Client:</b>  | JACOBS Engineering Group, Inc. | <b>Project:</b>   | Former Schlumberger STC PTC Site D3868221 |
| <b>Contact:</b> | John Ynfante                   | <b>Location:</b>  | --Select--,A11,VOA Lab                    |

| LabID      | ClientID                | Matrix | Test           | Method        | Sample Date | Prep Date | Anal Date | Received |
|------------|-------------------------|--------|----------------|---------------|-------------|-----------|-----------|----------|
| Q3828-01   | BR-02-133-120925        | Water  | SVOC-SIMGroup1 | 8270-Modified | 12/09/25    | 12/11/25  | 12/12/25  | 12/09/25 |
| Q3828-03   | OWBR-06-219-120925      | Water  | SVOC-SIMGroup1 | 8270-Modified | 12/09/25    | 12/11/25  | 12/12/25  | 12/09/25 |
| Q3828-05   | RMW-03B-90-120925       | Water  | SVOC-SIMGroup1 | 8270-Modified | 12/09/25    | 12/11/25  | 12/12/25  | 12/09/25 |
| Q3828-05DL | RMW-03B-90-120925<br>DL | Water  | SVOC-SIMGroup1 | 8270-Modified | 12/09/25    | 12/11/25  | 12/13/25  | 12/09/25 |
| Q3828-06   | OWBR-03-138-120925      | Water  | SVOC-SIMGroup1 | 8270-Modified | 12/09/25    | 12/11/25  | 12/12/25  | 12/09/25 |
| Q3828-08   | FB01-120925             | Water  | SVOC-SIMGroup1 | 8270-Modified | 12/09/25    | 12/11/25  | 12/12/25  | 12/09/25 |



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### Hit Summary Sheet SW-846

SDG No.: Q3828

Client: JACOBS Engineering Group, Inc.

| Sample ID   | Client ID           | Parameter | Concentration        | C     | MDL    | RDL | Units |
|-------------|---------------------|-----------|----------------------|-------|--------|-----|-------|
| Client ID : | RMW-03B-90-120925   |           |                      |       |        |     |       |
| Q3828-05    | RMW-03B-90-120925   | WATER     | 1,4-Dioxane          | 6.600 | E 0.07 | 0.2 | ug/L  |
|             |                     |           | Total Svoc :         |       | 6.60   |     |       |
|             |                     |           | Total Concentration: |       | 6.60   |     |       |
| Client ID : | RMW-03B-90-120925DL |           |                      |       |        |     |       |
| Q3828-05DL  | RMW-03B-90-120925DL | WATER     | 1,4-Dioxane          | 6.400 | D 0.33 | 1   | ug/L  |
|             |                     |           | Total Svoc :         |       | 6.40   |     |       |
|             |                     |           | Total Concentration: |       | 6.40   |     |       |



# QC SUMMARY

## Surrogate Summary

SW-846

SDG No.: Q3828

Client: JACOBS Engineering Group, Inc.

Analytical Method: 8270-Modified

| Lab Sample ID | Client ID           | Parameter               | Spike (PPM) | Result (PPM) | Recovery (%) | Qual | Limits (%) |           |
|---------------|---------------------|-------------------------|-------------|--------------|--------------|------|------------|-----------|
|               |                     |                         |             |              |              |      | Low        | High      |
| PB170912BL    | PB170912BL          | 2-Methylnaphthalene-d10 | 0.4         | 0.36         | 90           |      | 30 (47)    | 150 (106) |
|               |                     | Fluoranthene-d10        | 0.4         | 0.34         | 86           |      | 30 (54)    | 150 (157) |
|               |                     | Nitrobenzene-d5         | 0.4         | 0.39         | 98           |      | 30 (56)    | 130 (116) |
|               |                     | 2-Fluorobiphenyl        | 0.4         | 0.38         | 96           |      | 30 (50)    | 130 (126) |
|               |                     | Terphenyl-d14           | 0.4         | 0.43         | 107          |      | 30 (54)    | 130 (175) |
| PB170912BS    | PB170912BS          | 2-Methylnaphthalene-d10 | 0.4         | 0.36         | 91           |      | 30 (47)    | 150 (106) |
|               |                     | Fluoranthene-d10        | 0.4         | 0.33         | 82           |      | 30 (54)    | 150 (157) |
|               |                     | Nitrobenzene-d5         | 0.4         | 0.39         | 97           |      | 30 (56)    | 130 (116) |
|               |                     | 2-Fluorobiphenyl        | 0.4         | 0.43         | 108          |      | 30 (50)    | 130 (126) |
|               |                     | Terphenyl-d14           | 0.4         | 0.43         | 108          |      | 30 (54)    | 130 (175) |
| PB170912BSD   | PB170912BSD         | 2-Methylnaphthalene-d10 | 0.4         | 0.38         | 95           |      | 30 (47)    | 150 (106) |
|               |                     | Fluoranthene-d10        | 0.4         | 0.34         | 84           |      | 30 (54)    | 150 (157) |
|               |                     | Nitrobenzene-d5         | 0.4         | 0.39         | 97           |      | 30 (56)    | 130 (116) |
|               |                     | 2-Fluorobiphenyl        | 0.4         | 0.42         | 106          |      | 30 (50)    | 130 (126) |
|               |                     | Terphenyl-d14           | 0.4         | 0.40         | 100          |      | 30 (54)    | 130 (175) |
| Q3828-01      | BR-02-133-120925    | 2-Methylnaphthalene-d10 | 0.4         | 0.24         | 59           |      | 30 (47)    | 150 (106) |
|               |                     | Fluoranthene-d10        | 0.4         | 0.35         | 88           |      | 30 (54)    | 150 (157) |
|               |                     | Nitrobenzene-d5         | 0.4         | 0.29         | 72           |      | 30 (56)    | 130 (116) |
|               |                     | 2-Fluorobiphenyl        | 0.4         | 0.33         | 81           |      | 30 (50)    | 130 (126) |
|               |                     | Terphenyl-d14           | 0.4         | 0.51         | 128          |      | 30 (54)    | 130 (175) |
| Q3828-03      | OWBR-06-219-120925  | 2-Methylnaphthalene-d10 | 0.4         | 0.27         | 68           |      | 30 (47)    | 150 (106) |
|               |                     | Fluoranthene-d10        | 0.4         | 0.36         | 89           |      | 30 (54)    | 150 (157) |
|               |                     | Nitrobenzene-d5         | 0.4         | 0.32         | 79           |      | 30 (56)    | 130 (116) |
|               |                     | 2-Fluorobiphenyl        | 0.4         | 0.37         | 91           |      | 30 (50)    | 130 (126) |
|               |                     | Terphenyl-d14           | 0.4         | 0.46         | 116          |      | 30 (54)    | 130 (175) |
| Q3828-05      | RMW-03B-90-120925   | 2-Methylnaphthalene-d10 | 0.4         | 0.27         | 68           |      | 30 (47)    | 150 (106) |
|               |                     | Fluoranthene-d10        | 0.4         | 0.38         | 94           |      | 30 (54)    | 150 (157) |
|               |                     | Nitrobenzene-d5         | 0.4         | 0.31         | 77           |      | 30 (56)    | 130 (116) |
|               |                     | 2-Fluorobiphenyl        | 0.4         | 0.37         | 94           |      | 30 (50)    | 130 (126) |
|               |                     | Terphenyl-d14           | 0.4         | 0.52         | 131          | *    | 30 (54)    | 130 (175) |
| Q3828-05DL    | RMW-03B-90-120925DL | 2-Methylnaphthalene-d10 | 0.4         | 0.27         | 66           |      | 30 (47)    | 150 (106) |
|               |                     | Fluoranthene-d10        | 0.4         | 0.36         | 90           |      | 30 (54)    | 150 (157) |
|               |                     | Nitrobenzene-d5         | 0.4         | 0.28         | 70           |      | 30 (56)    | 130 (116) |
|               |                     | 2-Fluorobiphenyl        | 0.4         | 0.42         | 105          |      | 30 (50)    | 130 (126) |
|               |                     | Terphenyl-d14           | 0.4         | 0.55         | 136          | *    | 30 (54)    | 130 (175) |
| Q3828-06      | OWBR-03-138-120925  | 2-Methylnaphthalene-d10 | 0.4         | 0.27         | 67           |      | 30 (47)    | 150 (106) |
|               |                     | Fluoranthene-d10        | 0.4         | 0.37         | 92           |      | 30 (54)    | 150 (157) |
|               |                     | Nitrobenzene-d5         | 0.4         | 0.31         | 78           |      | 30 (56)    | 130 (116) |
|               |                     | 2-Fluorobiphenyl        | 0.4         | 0.42         | 104          |      | 30 (50)    | 130 (126) |
|               |                     | Terphenyl-d14           | 0.4         | 0.42         | 105          |      | 30 (54)    | 130 (175) |
| Q3828-08      | FB01-120925         | 2-Methylnaphthalene-d10 | 0.4         | 0.32         | 80           |      | 30 (47)    | 150 (106) |
|               |                     | Fluoranthene-d10        | 0.4         | 0.38         | 95           |      | 30 (54)    | 150 (157) |
|               |                     | Nitrobenzene-d5         | 0.4         | 0.37         | 92           |      | 30 (56)    | 130 (116) |
|               |                     | 2-Fluorobiphenyl        | 0.4         | 0.35         | 88           |      | 30 (50)    | 130 (126) |
|               |                     | Terphenyl-d14           | 0.4         | 0.42         | 105          |      | 30 (54)    | 130 (175) |

## Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3828

Analytical Method: 8270-Modified

Client: JACOBS Engineering Group, Inc.

DataFile: BN038357.D

| Lab Sample ID | Parameter   | Spike | Result | Unit | Rec | RPD | Qual | RPD  | Limits  |           | RPD |
|---------------|-------------|-------|--------|------|-----|-----|------|------|---------|-----------|-----|
|               |             |       |        |      |     |     |      | Qual | Low     | High      |     |
| PB170912BS    | 1,4-Dioxane | 0.4   | 0.29   | ug/L | 73  |     |      |      | 20 (65) | 160 (116) |     |

**Laboratory Control Sample/Laboratory Control Sample Duplicate Summary**

SW-846

**SDG No.:** Q3828

**Analytical Method:** 8270-Modified

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

**DataFile:** BN038358.D

| Lab Sample ID | Parameter   | Spike | Result | Unit | Rec | RPD | Qual | RPD  | Limits  |           |         |
|---------------|-------------|-------|--------|------|-----|-----|------|------|---------|-----------|---------|
|               |             |       |        |      |     |     |      | Qual | Low     | High      | RPD     |
| PB170912BSD   | 1,4-Dioxane | 0.4   | 0.29   | ug/L | 73  | 0   |      |      | 20 (65) | 160 (116) | 20 (27) |

4B

SEMIVOLATILE METHOD BLANK SUMMARY

Client ID

PB170912BL

Lab Name: Alliance

Contract: JAC005

Lab Code: ACE

SDG NO.: Q3828

Lab File ID: BN038344.D

Lab Sample ID: PB170912BL

Instrument ID: BNA\_N

Date Extracted: 12/11/2025

Matrix: (soil/water) Water

Date Analyzed: 12/12/2025

Level: (low/med) LOW

Time Analyzed: 10:00

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 |
|--------------------|------------------|----------------|------------------|
| PB170912BS         | PB170912BS       | BN038357.D     | 12/12/2025       |
| BR-02-133-120925   | Q3828-01         | BN038348.D     | 12/12/2025       |
| OWBR-06-219-120925 | Q3828-03         | BN038349.D     | 12/12/2025       |
| RMW-03B-90-120925  | Q3828-05         | BN038350.D     | 12/12/2025       |
| PB170912BSD        | PB170912BSD      | BN038358.D     | 12/12/2025       |
| OWBR-03-138-120925 | Q3828-06         | BN038351.D     | 12/12/2025       |
| FB01-120925        | Q3828-08         | BN038352.D     | 12/12/2025       |

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



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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance  
Lab Code: ACE  
Lab File ID: BN038297.D  
Instrument ID: BNA\_N

Contract: JAC005  
SDG NO.: Q3828  
DFTPP Injection Date: 12/10/2025  
DFTPP Injection Time: 09:12

| m/e | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 68  | Less than 2.0% of mass 69          | 0.6 ( 1.7 ) 1        |
| 69  | Mass 69 relative abundance         | 37.2                 |
| 70  | Less than 2.0% of mass 69          | 0.2 ( 0.5 ) 1        |
| 197 | Less than 2.0% of mass 198         | 0.0                  |
| 198 | Base Peak, 100% relative abundance | 100                  |
| 199 | 5.0 to 9.0% of mass 198            | 6.6                  |
| 365 | Greater than 1% of mass 198        | 3.6                  |
| 441 | Present, but less than mass 443    | 14.8                 |
| 442 | Greater than 50% of mass 198       | 92.6                 |
| 443 | 15.0 - 24.0% of mass 442           | 16.9 ( 18.2 ) 2      |

1-Value is % mass 69

2-Value is % mass 442

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

| EPA<br>SAMPLE NO. | LAB<br>SAMPLE ID | LAB<br>FILE ID | DATE<br>ANALYZED | TIME<br>ANALYZED |
|-------------------|------------------|----------------|------------------|------------------|
| SSTDICC0.1        | SSTDICC0.1       | BN038298.D     | 12/10/2025       | 09:52            |
| SSTDICC0.2        | SSTDICC0.2       | BN038299.D     | 12/10/2025       | 10:28            |
| SSTDICCC0.4       | SSTDICCC0.4      | BN038300.D     | 12/10/2025       | 11:05            |
| SSTDICC0.8        | SSTDICC0.8       | BN038301.D     | 12/10/2025       | 11:41            |
| SSTDICC1.6        | SSTDICC1.6       | BN038302.D     | 12/10/2025       | 12:17            |
| SSTDICC3.2        | SSTDICC3.2       | BN038303.D     | 12/10/2025       | 12:53            |
| SSTDICC5.0        | SSTDICC5.0       | BN038304.D     | 12/10/2025       | 13:30            |



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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance  
Lab Code: ACE  
Lab File ID: BN038342.D  
Instrument ID: BNA\_N

Contract: JAC005  
SDG NO.: Q3828  
DFTPP Injection Date: 12/12/2025  
DFTPP Injection Time: 08:45

| m/e | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 68  | Less than 2.0% of mass 69          | 0.5 ( 1.3 ) 1        |
| 69  | Mass 69 relative abundance         | 41.1                 |
| 70  | Less than 2.0% of mass 69          | 0.2 ( 0.5 ) 1        |
| 197 | Less than 2.0% of mass 198         | 0.0                  |
| 198 | Base Peak, 100% relative abundance | 100                  |
| 199 | 5.0 to 9.0% of mass 198            | 7                    |
| 365 | Greater than 1% of mass 198        | 3.4                  |
| 441 | Present, but less than mass 443    | 13                   |
| 442 | Greater than 50% of mass 198       | 87.1                 |
| 443 | 15.0 - 24.0% of mass 442           | 15.3 ( 17.6 ) 2      |

1-Value is % mass 69

2-Value is % mass 442

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

| EPA<br>SAMPLE NO.  | LAB<br>SAMPLE ID | LAB<br>FILE ID | DATE<br>ANALYZED | TIME<br>ANALYZED |
|--------------------|------------------|----------------|------------------|------------------|
| SSTDCCC0.4         | SSTDCCC0.4       | BN038343.D     | 12/12/2025       | 09:24            |
| PB170912BL         | PB170912BL       | BN038344.D     | 12/12/2025       | 10:00            |
| BR-02-133-120925   | Q3828-01         | BN038348.D     | 12/12/2025       | 12:25            |
| OWBR-06-219-120925 | Q3828-03         | BN038349.D     | 12/12/2025       | 13:01            |
| RMW-03B-90-120925  | Q3828-05         | BN038350.D     | 12/12/2025       | 13:38            |
| OWBR-03-138-120925 | Q3828-06         | BN038351.D     | 12/12/2025       | 14:14            |
| FB01-120925        | Q3828-08         | BN038352.D     | 12/12/2025       | 15:26            |
| PB170912BS         | PB170912BS       | BN038357.D     | 12/12/2025       | 18:27            |
| PB170912BSD        | PB170912BSD      | BN038358.D     | 12/12/2025       | 19:03            |



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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance  
Lab Code: ACE  
Lab File ID: BN038379.D  
Instrument ID: BNA\_N

Contract: JAC005  
SDG NO.: Q3828  
DFTPP Injection Date: 12/13/2025  
DFTPP Injection Time: 10:24

| m/e | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 68  | Less than 2.0% of mass 69          | 0.8 ( 1.9 ) 1        |
| 69  | Mass 69 relative abundance         | 41.8                 |
| 70  | Less than 2.0% of mass 69          | 0.2 ( 0.6 ) 1        |
| 197 | Less than 2.0% of mass 198         | 0.0                  |
| 198 | Base Peak, 100% relative abundance | 100                  |
| 199 | 5.0 to 9.0% of mass 198            | 6.7                  |
| 365 | Greater than 1% of mass 198        | 3.1                  |
| 441 | Present, but less than mass 443    | 12.8                 |
| 442 | Greater than 50% of mass 198       | 77.2                 |
| 443 | 15.0 - 24.0% of mass 442           | 16.5 ( 21.4 ) 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 |
|---------------------|------------------|----------------|------------------|------------------|
| SSTDCCC0.4          | SSTDCCC0.4       | BN038380.D     | 12/13/2025       | 11:03            |
| RMW-03B-90-120925DL | Q3828-05DL       | BN038382.D     | 12/13/2025       | 12:16            |

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q3828

Client ID : SSTDCCC0.4

Date Analyzed: 12/12/2025

Lab File ID: BN038343.D

Time Analyzed: 09:24

Instrument ID: BNA\_N

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

|                       | IS1 (DCB)<br>AREA # | RT #  | IS2 (NPT)<br>AREA # | RT #   | IS3 (ANT)<br>AREA # | RT #   |
|-----------------------|---------------------|-------|---------------------|--------|---------------------|--------|
| 12 HOUR STD           | 5196                | 7.724 | 14288               | 10.52  | 7596                | 14.39  |
| UPPER LIMIT           | 10392               | 8.224 | 28576               | 11.019 | 15192               | 14.887 |
| LOWER LIMIT           | 2598                | 7.224 | 7144                | 10.019 | 3798                | 13.887 |
| EPA SAMPLE NO.        |                     |       |                     |        |                     |        |
| 01 PB170912BL         | 6576                | 7.72  | 16790               | 10.52  | 8053                | 14.39  |
| 02 PB170912BS         | 6159                | 7.72  | 16009               | 10.52  | 7792                | 14.39  |
| 03 BR-02-133-120925   | 7468                | 7.72  | 19798               | 10.52  | 10393               | 14.39  |
| 04 OWBR-06-219-120925 | 5145                | 7.72  | 13627               | 10.52  | 6975                | 14.39  |
| 05 RMW-03B-90-120925  | 5116                | 7.72  | 13853               | 10.52  | 6995                | 14.39  |
| 06 PB170912BSD        | 5504                | 7.72  | 14243               | 10.52  | 6818                | 14.39  |
| 07 OWBR-03-138-120925 | 5333                | 7.72  | 14542               | 10.52  | 7924                | 14.39  |
| 08 FB01-120925        | 6161                | 7.72  | 15794               | 10.52  | 8352                | 14.39  |

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

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

\* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q3828

Client ID: SSTDCCC0.4

Date Analyzed: 12/12/2025

Lab File ID: BN038343.D

Time Analyzed: 09:24

Instrument ID: BNA\_N

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

|                       | IS4 (PHN)<br>AREA # | RT #   | IS5 (CRY)<br>AREA # | RT #   | IS6 (PRY)<br>AREA # | RT #   |
|-----------------------|---------------------|--------|---------------------|--------|---------------------|--------|
| 12 HOUR STD           | 14177               | 17.148 | 11670               | 21.339 | 12444               | 23.633 |
| UPPER LIMIT           | 28354               | 17.648 | 23340               | 21.839 | 24888               | 24.133 |
| LOWER LIMIT           | 7088.5              | 16.648 | 5835                | 20.839 | 6222                | 23.133 |
| EPA SAMPLE NO.        |                     |        |                     |        |                     |        |
| 01 PB170912BL         | 12820               | 17.15  | 8612                | 21.34  | 9324                | 23.63  |
| 02 PB170912BS         | 13155               | 17.15  | 8480                | 21.34  | 8947                | 23.63  |
| 03 BR-02-133-120925   | 19012               | 17.15  | 14950               | 21.34  | 14896               | 23.63  |
| 04 OWBR-06-219-120925 | 13582               | 17.15  | 9780                | 21.34  | 9584                | 23.63  |
| 05 RMW-03B-90-120925  | 12856               | 17.15  | 9842                | 21.34  | 9541                | 23.63  |
| 06 PB170912BSD        | 11665               | 17.15  | 8305                | 21.34  | 8801                | 23.62  |
| 07 OWBR-03-138-120925 | 14770               | 17.15  | 12101               | 21.34  | 12184               | 23.63  |
| 08 FB01-120925        | 16054               | 17.15  | 12796               | 21.34  | 12638               | 23.63  |

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

\* Values outside of QC limits.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q3828

Client ID : SSTDCCC0.4

Date Analyzed: 12/13/2025

Lab File ID: BN038380.D

Time Analyzed: 11:03

Instrument ID: BNA\_N

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

|                        | IS1 (DCB)<br>AREA # | RT #  | IS2 (NPT)<br>AREA # | RT #   | IS3 (ANT)<br>AREA # | RT #   |
|------------------------|---------------------|-------|---------------------|--------|---------------------|--------|
| 12 HOUR STD            | 5610                | 7.717 | 14718               | 10.52  | 7660                | 14.39  |
| UPPER LIMIT            | 11220               | 8.217 | 29436               | 11.019 | 15320               | 14.887 |
| LOWER LIMIT            | 2805                | 7.217 | 7359                | 10.019 | 3830                | 13.887 |
| EPA SAMPLE NO.         |                     |       |                     |        |                     |        |
| 01 RMW-03B-90-120925DL | 6069                | 7.72  | 16077               | 10.52  | 8437                | 14.39  |

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

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

\* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q3828

Client ID: SSTDCCC0.4

Date Analyzed: 12/13/2025

Lab File ID: BN038380.D

Time Analyzed: 11:03

Instrument ID: BNA\_N

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

|                        | IS4 (PHN)<br>AREA # | RT #   | IS5 (CRY)<br>AREA # | RT #   | IS6 (PRY)<br>AREA # | RT #   |
|------------------------|---------------------|--------|---------------------|--------|---------------------|--------|
| 12 HOUR STD            | 13635               | 17.136 | 10585               | 21.331 | 11030               | 23.619 |
| UPPER LIMIT            | 27270               | 17.636 | 21170               | 21.831 | 22060               | 24.119 |
| LOWER LIMIT            | 6817.5              | 16.636 | 5292.5              | 20.831 | 5515                | 23.119 |
| EPA SAMPLE NO.         |                     |        |                     |        |                     |        |
| 01 RMW-03B-90-120925DL | 15660               | 17.14  | 11931               | 21.33  | 12174               | 23.62  |

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



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

## Report of Analysis

|                    |                                           |                 |                |
|--------------------|-------------------------------------------|-----------------|----------------|
| Client:            | JACOBS Engineering Group, Inc.            | Date Collected: | 12/09/25       |
| Project:           | Former Schlumberger STC PTC Site D3868221 | Date Received:  | 12/09/25       |
| Client Sample ID:  | BR-02-133-120925                          | SDG No.:        | Q3828          |
| Lab Sample ID:     | Q3828-01                                  | Matrix:         | Water          |
| Analytical Method: | SW8270ESIM                                | Level:          | LOW            |
| Sample Wt/Vol:     | 1000 mL                                   | Final Vol:      | 1000 uL        |
| Prep Method :      | 3510C                                     | Prep Date:      | 12/11/25       |
|                    |                                           | Test:           | SVOC-SIMGroup1 |

| CAS Number                | Parameter               | Conc.             | Qua. | DF | MDL                 | LOQ / CRQL | Units    | Date Ana.      | Prep BatchID |
|---------------------------|-------------------------|-------------------|------|----|---------------------|------------|----------|----------------|--------------|
| <b>TARGETS</b>            |                         |                   |      |    |                     |            |          |                |              |
| 123-91-1                  | 1,4-Dioxane             | 0.070             | U    | 1  | 0.070               | 0.20       | ug/L     | 12/12/25 12:25 | PB170912     |
| <b>SURROGATES</b>         |                         |                   |      |    |                     |            |          |                |              |
| 7297-45-2                 | 2-Methylnaphthalene-d10 | 0.24              |      |    | 30 (47) - 150 (106) | 59%        | SPK: 0.4 |                |              |
| 93951-69-0                | Fluoranthene-d10        | 0.35              |      |    | 30 (54) - 150 (157) | 88%        | SPK: 0.4 |                |              |
| 4165-60-0                 | Nitrobenzene-d5         | 0.29              |      |    | 30 (56) - 130 (116) | 72%        | SPK: 0.4 |                |              |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.33              |      |    | 30 (50) - 130 (126) | 81%        | SPK: 0.4 |                |              |
| 1718-51-0                 | Terphenyl-d14           | 0.51              |      |    | 30 (54) - 130 (175) | 128%       | SPK: 0.4 |                |              |
| <b>INTERNAL STANDARDS</b> |                         | <b>Area Count</b> |      |    |                     |            |          |                |              |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 7470              |      |    |                     |            |          |                |              |
| 1146-65-2                 | Naphthalene-d8          | 19800             |      |    |                     |            |          |                |              |
| 15067-26-2                | Acenaphthene-d10        | 10400             |      |    |                     |            |          |                |              |
| 1517-22-2                 | Phenanthrene-d10        | 19000             |      |    |                     |            |          |                |              |
| 1719-03-5                 | Chrysene-d12            | 15000             |      |    |                     |            |          |                |              |
| 1520-96-3                 | Perylene-d12            | 14900             |      |    |                     |            |          |                |              |

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\_N\Data\BN121225\  
 Data File : BN038348.D  
 Acq On : 12 Dec 2025 12:25  
 Operator : RC/JU  
 Sample : Q3828-01  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 BR-02-133-120925

Quant Time: Dec 12 12:49:12 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN121025.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 10 13:56:50 2025  
 Response via : Initial Calibration

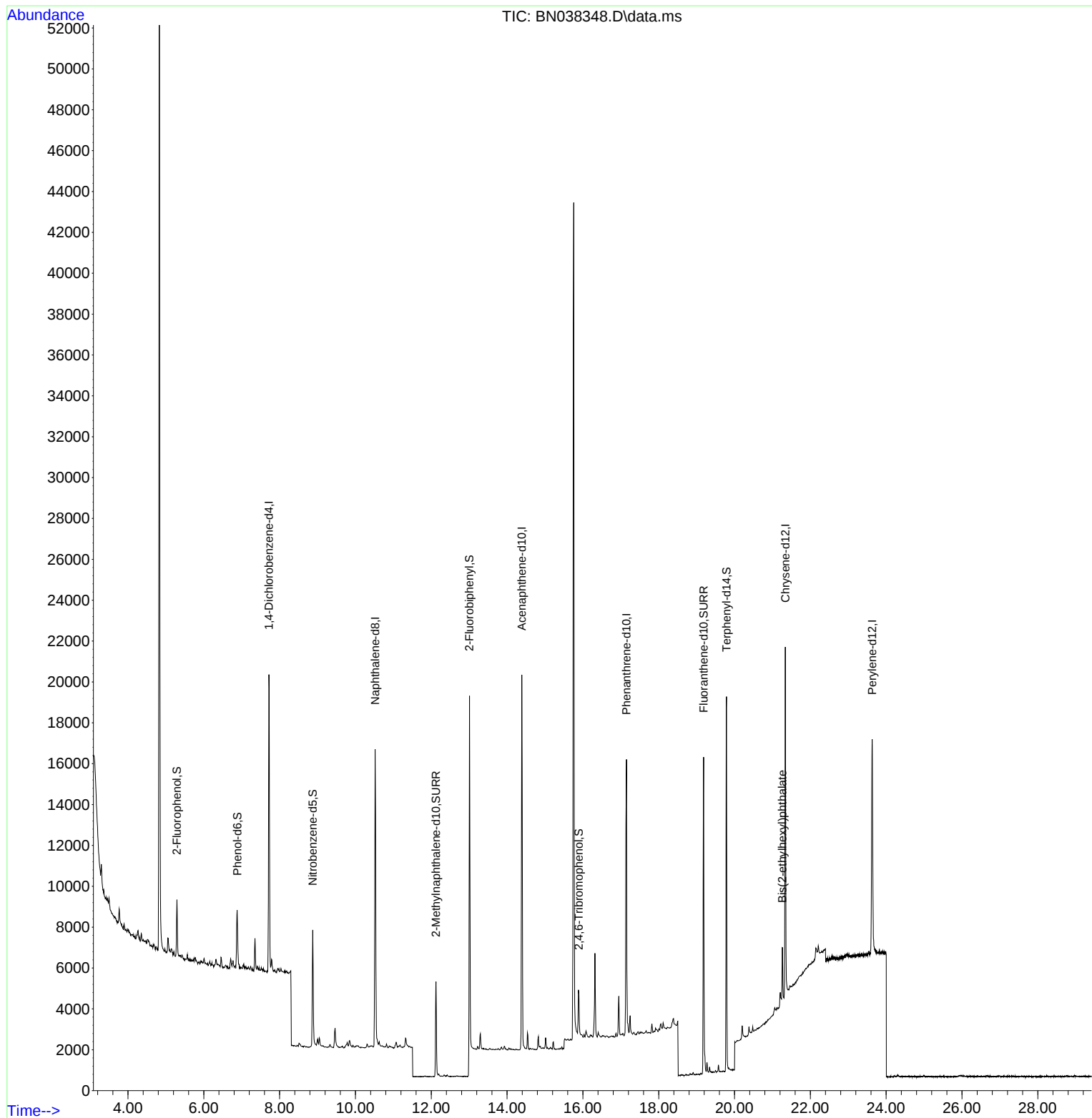
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min)       |
|-------------------------------|--------|------|----------|-------|-------|----------------|
| -----                         |        |      |          |       |       |                |
| Internal Standards            |        |      |          |       |       |                |
| 1) 1,4-Dichlorobenzene-d4     | 7.717  | 152  | 7468     | 0.400 | ng    | 0.00           |
| 7) Naphthalene-d8             | 10.520 | 136  | 19798    | 0.400 | ng    | #-0.01         |
| 13) Acenaphthene-d10          | 14.388 | 164  | 10393    | 0.400 | ng    | -0.01          |
| 19) Phenanthrene-d10          | 17.149 | 188  | 19012    | 0.400 | ng    | 0.00           |
| 29) Chrysene-d12              | 21.340 | 240  | 14950    | 0.400 | ng    | 0.00           |
| 35) Perylene-d12              | 23.630 | 264  | 14896    | 0.400 | ng    | # 0.00         |
| System Monitoring Compounds   |        |      |          |       |       |                |
| 4) 2-Fluorophenol             | 5.291  | 112  | 2257     | 0.121 | ng    | 0.00           |
| 5) Phenol-d6                  | 6.887  | 99   | 1632     | 0.074 | ng    | 0.00           |
| 8) Nitrobenzene-d5            | 8.875  | 82   | 4819     | 0.289 | ng    | 0.00           |
| 11) 2-Methylnaphthalene-d10   | 12.126 | 152  | 6603     | 0.236 | ng    | 0.00           |
| 14) 2,4,6-Tribromophenol      | 15.895 | 330  | 1443     | 0.313 | ng    | 0.00           |
| 15) 2-Fluorobiphenyl          | 13.009 | 172  | 16326    | 0.326 | ng    | 0.00           |
| 27) Fluoranthene-d10          | 19.183 | 212  | 16599    | 0.353 | ng    | 0.00           |
| 31) Terphenyl-d14             | 19.787 | 244  | 17120    | 0.513 | ng    | 0.00           |
| Target Compounds              |        |      |          |       |       |                |
| 34) Bis(2-ethylhexyl)phtha... | 21.259 | 149  | 2563     | 0.081 | ng    | Qvalue<br># 99 |
| -----                         |        |      |          |       |       |                |

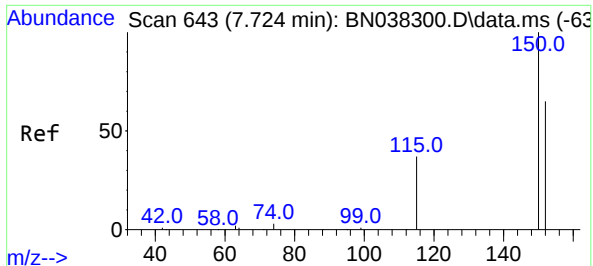
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN121225\  
Data File : BN038348.D  
Acq On : 12 Dec 2025 12:25  
Operator : RC/JU  
Sample : Q3828-01  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
BR-02-133-120925

Quant Time: Dec 12 12:49:12 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN121025.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Dec 10 13:56:50 2025  
Response via : Initial Calibration

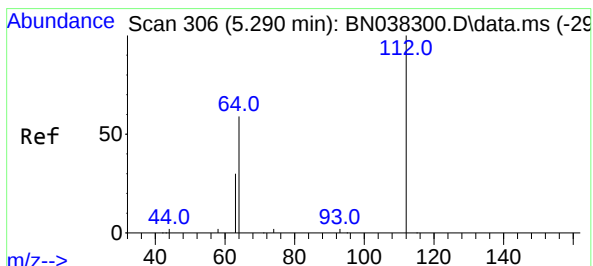
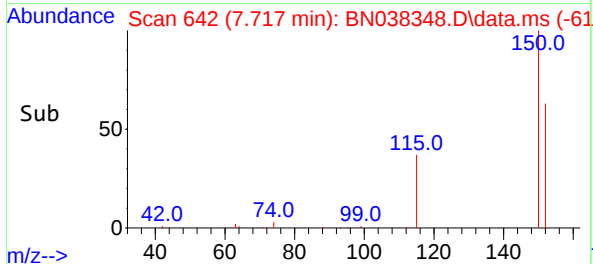
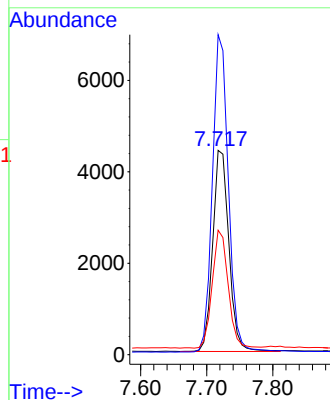
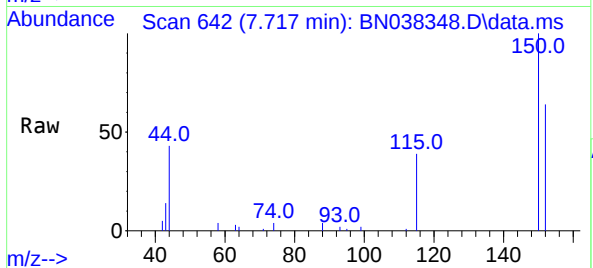




#1  
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.717 min Scan# 64  
Delta R.T. -0.007 min  
Lab File: BN038348.D  
Acq: 12 Dec 2025 12:25

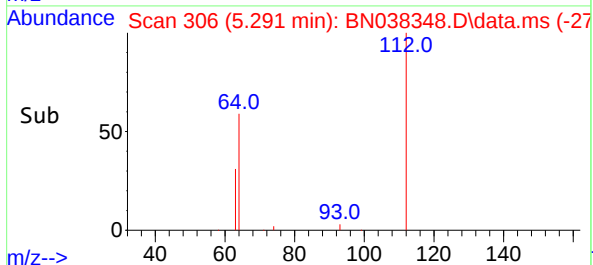
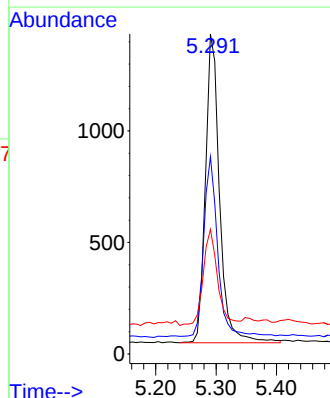
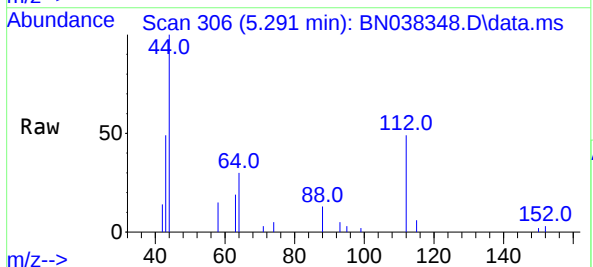
Instrument :  
BNA\_N  
ClientSampleId :  
BR-02-133-120925

Tgt Ion:152 Resp: 7468  
Ion Ratio Lower Upper  
152 100  
150 156.7 122.4 183.6  
115 60.9 47.3 70.9

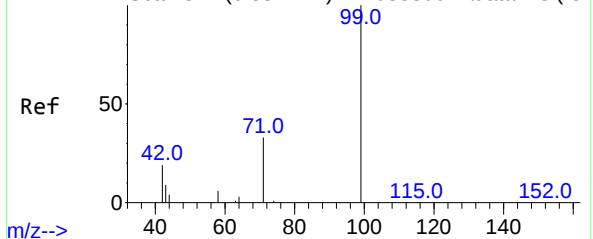


#4  
2-Fluorophenol  
Concen: 0.121 ng  
RT: 5.291 min Scan# 306  
Delta R.T. 0.000 min  
Lab File: BN038348.D  
Acq: 12 Dec 2025 12:25

Tgt Ion:112 Resp: 2257  
Ion Ratio Lower Upper  
112 100  
64 57.0 44.4 66.6  
63 30.7 23.4 35.0



Abundance Scan 527 (6.887 min): BN038300.D\data.ms (-52



#5

Phenol-d6

Concen: 0.074 ng

RT: 6.887 min Scan# 51

Delta R.T. 0.000 min

Lab File: BN038348.D

Acq: 12 Dec 2025 12:25

Instrument :

BNA\_N

ClientSampleId :

BR-02-133-120925

Tgt Ion: 99 Resp: 1632

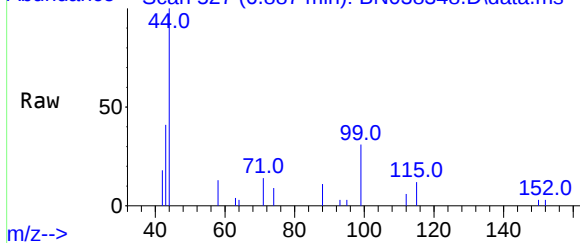
Ion Ratio Lower Upper

99 100

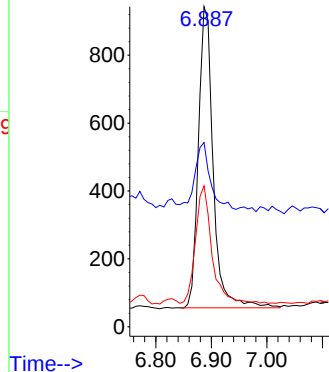
42 22.9 16.5 24.7

71 43.0 24.9 37.3#

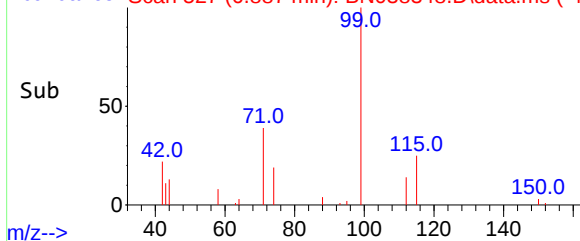
Abundance Scan 527 (6.887 min): BN038348.D\data.ms



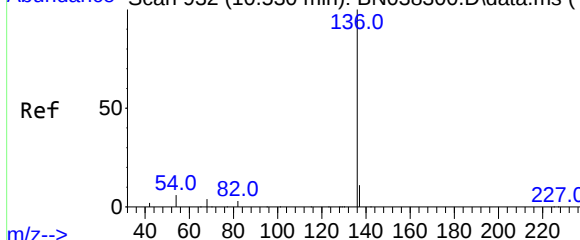
Abundance



Abundance Scan 527 (6.887 min): BN038348.D\data.ms (-49



Abundance Scan 932 (10.530 min): BN038300.D\data.ms (-9



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.520 min Scan# 931

Delta R.T. -0.011 min

Lab File: BN038348.D

Acq: 12 Dec 2025 12:25

Tgt Ion: 136 Resp: 19798

Ion Ratio Lower Upper

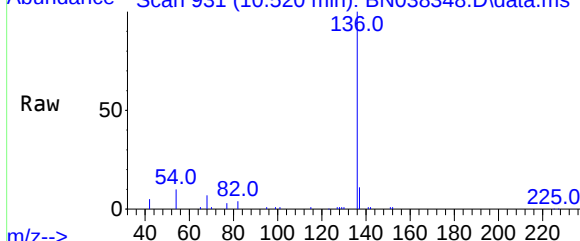
136 100

137 11.2 9.1 13.7

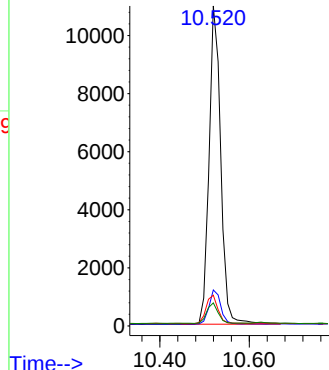
54 9.6 5.2 7.8#

68 7.2 4.1 6.1#

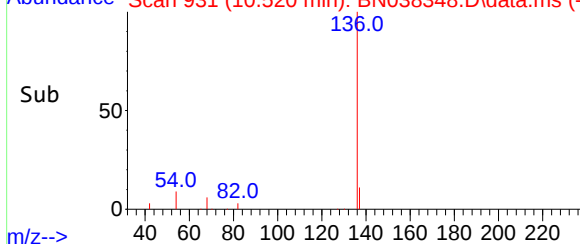
Abundance Scan 931 (10.520 min): BN038348.D\data.ms

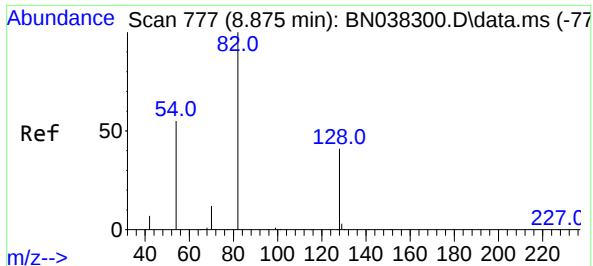


Abundance



Abundance Scan 931 (10.520 min): BN038348.D\data.ms (-9

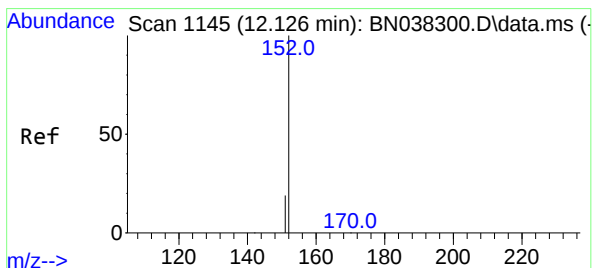
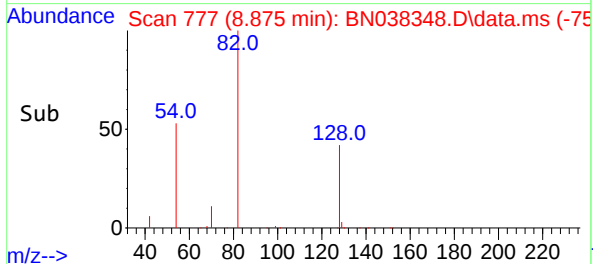
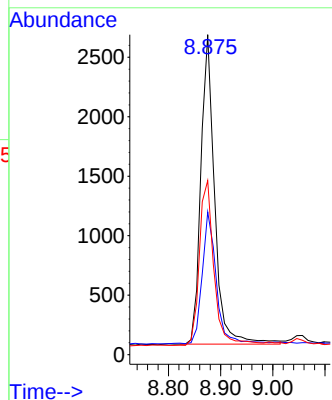
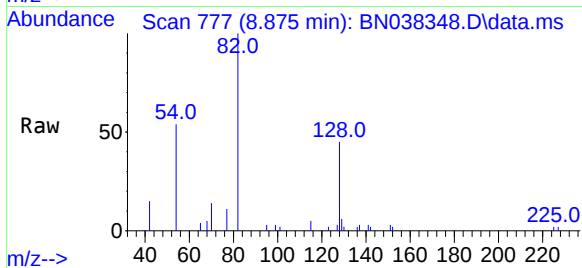




#8  
Nitrobenzene-d5  
Concen: 0.289 ng  
RT: 8.875 min Scan# 777  
Delta R.T. 0.000 min  
Lab File: BN038348.D  
Acq: 12 Dec 2025 12:25

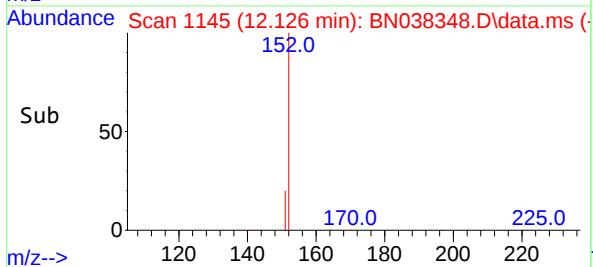
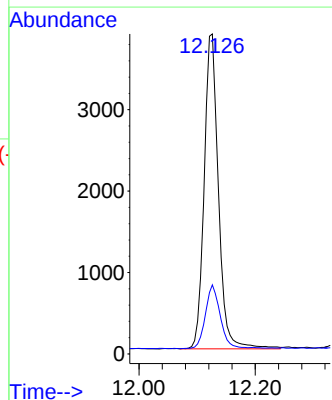
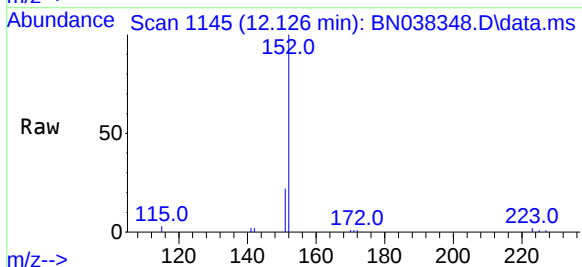
Instrument :  
BNA\_N  
ClientSampleId :  
BR-02-133-120925

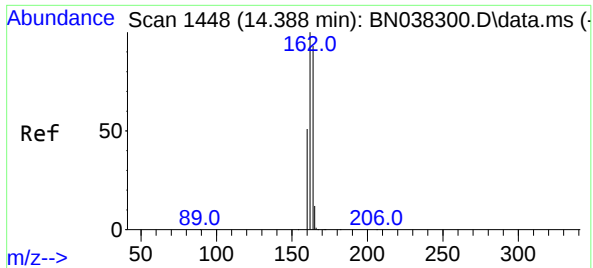
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 44.6  | 34.0  | 51.0  |
| 54      | 54.4  | 44.4  | 66.6  |



#11  
2-Methylnaphthalene-d10  
Concen: 0.236 ng  
RT: 12.126 min Scan# 1145  
Delta R.T. 0.000 min  
Lab File: BN038348.D  
Acq: 12 Dec 2025 12:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 21.1  | 17.0  | 25.6  |

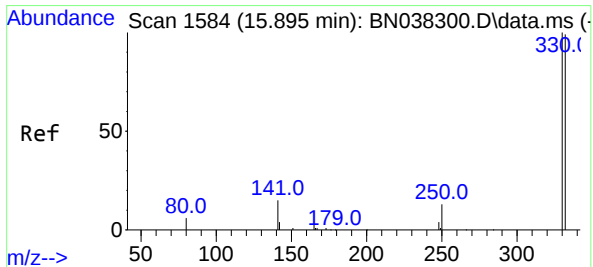
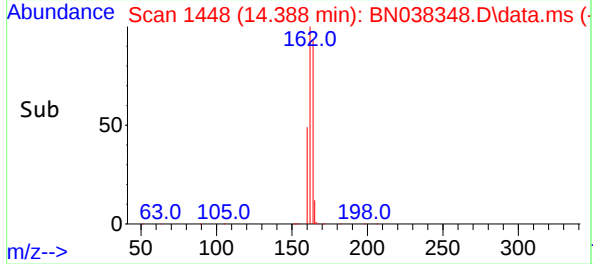
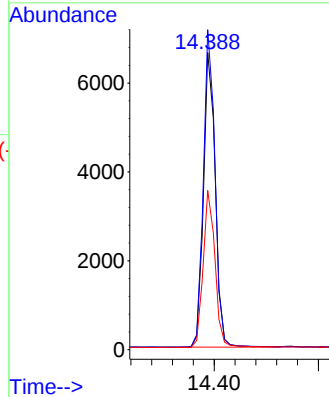
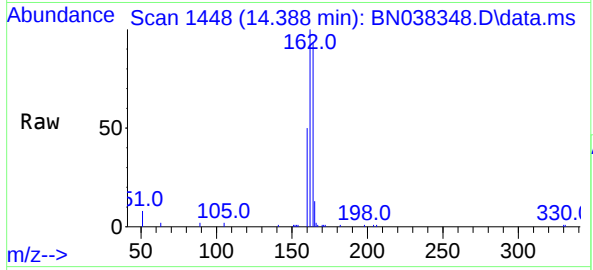




#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.388 min Scan# 1448  
Delta R.T. -0.011 min  
Lab File: BN038348.D  
Acq: 12 Dec 2025 12:25

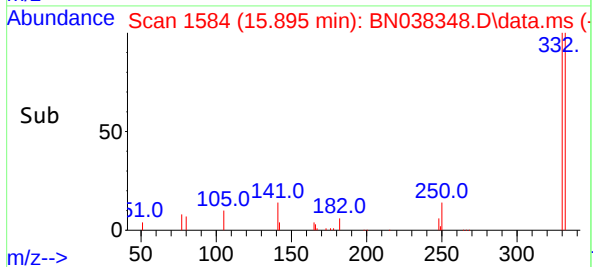
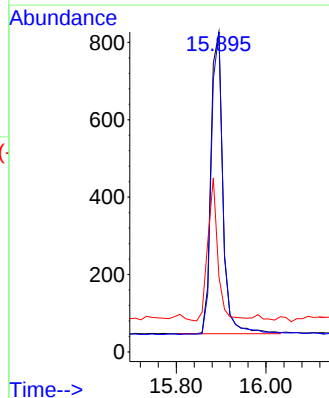
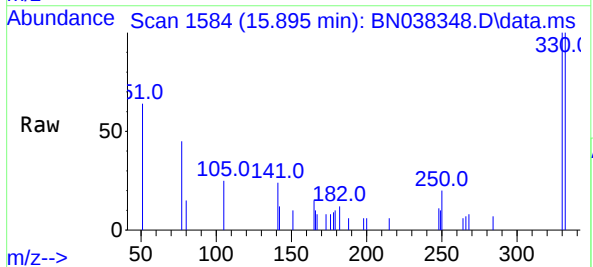
Instrument :  
BNA\_N  
ClientSampleId :  
BR-02-133-120925

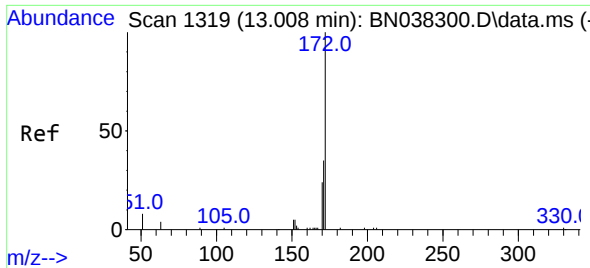
Tgt Ion:164 Resp: 10393  
Ion Ratio Lower Upper  
164 100  
162 107.7 86.2 129.4  
160 53.6 44.6 67.0



#14  
2,4,6-Tribromophenol  
Concen: 0.313 ng  
RT: 15.895 min Scan# 1584  
Delta R.T. 0.000 min  
Lab File: BN038348.D  
Acq: 12 Dec 2025 12:25

Tgt Ion:330 Resp: 1443  
Ion Ratio Lower Upper  
330 100  
332 98.3 75.8 113.6  
141 40.1 31.8 47.8

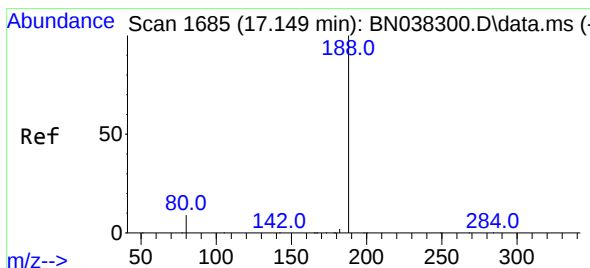
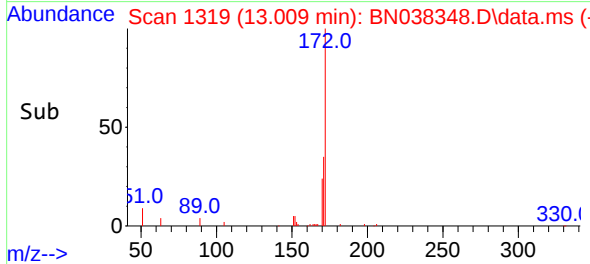
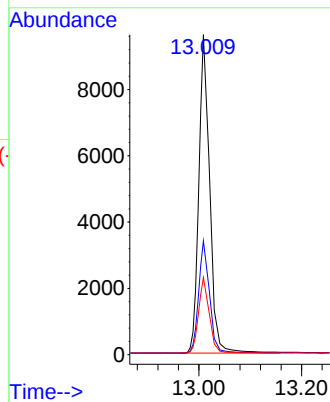
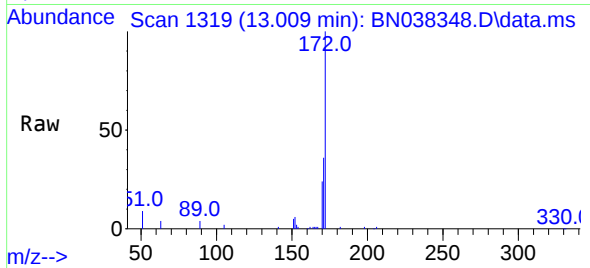




#15  
2-Fluorobiphenyl  
Concen: 0.326 ng  
RT: 13.009 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BN038348.D  
Acq: 12 Dec 2025 12:25

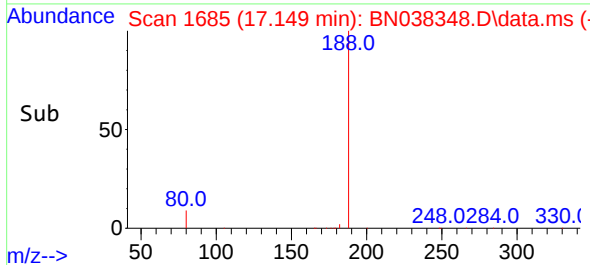
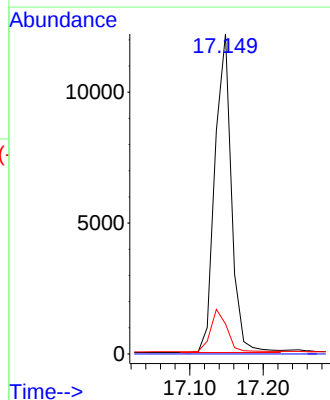
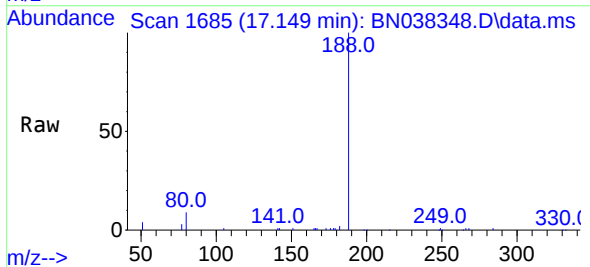
Instrument :  
BNA\_N  
ClientSampleId :  
BR-02-133-120925

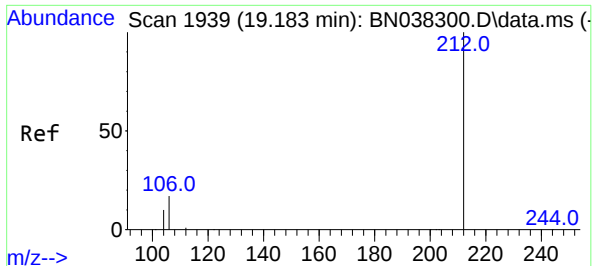
Tgt Ion:172 Resp: 16326  
Ion Ratio Lower Upper  
172 100  
171 35.5 28.6 42.8  
170 24.1 19.3 28.9



#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.149 min Scan# 1685  
Delta R.T. 0.000 min  
Lab File: BN038348.D  
Acq: 12 Dec 2025 12:25

Tgt Ion:188 Resp: 19012  
Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 9.4 7.4 11.0

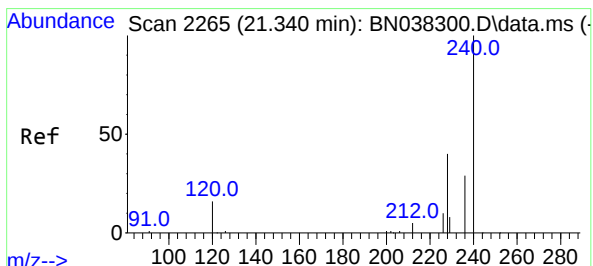
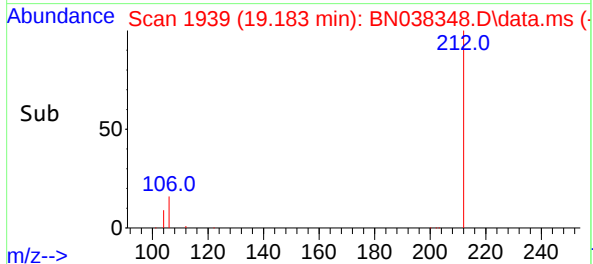
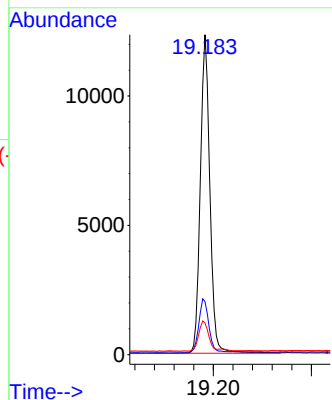
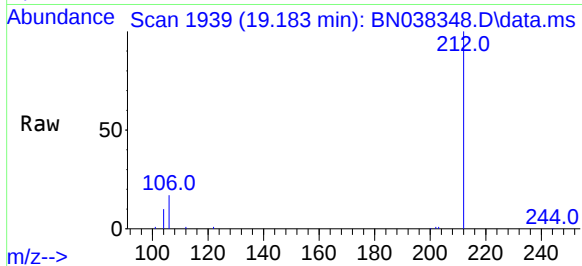




#27  
Fluoranthene-d10  
Concen: 0.353 ng  
RT: 19.183 min Scan# 1939  
Delta R.T. -0.005 min  
Lab File: BN038348.D  
Acq: 12 Dec 2025 12:25

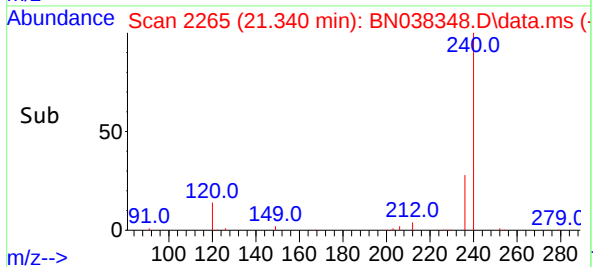
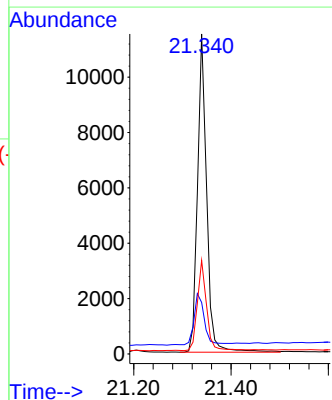
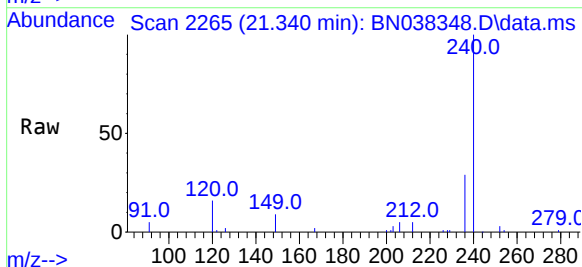
Instrument :  
BNA\_N  
ClientSampleId :  
BR-02-133-120925

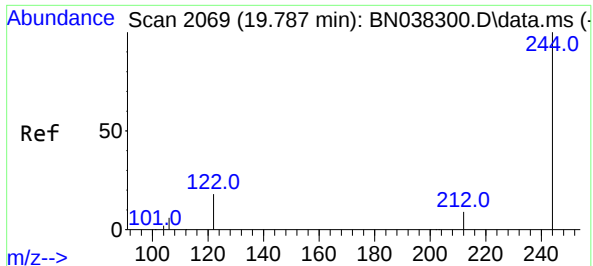
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 212     | 100   |       |       |
| 106     | 17.3  | 13.7  | 20.5  |
| 104     | 9.8   | 7.8   | 11.8  |



#29  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.340 min Scan# 2265  
Delta R.T. 0.000 min  
Lab File: BN038348.D  
Acq: 12 Dec 2025 12:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 16.1  | 15.4  | 23.2  |
| 236     | 29.2  | 23.9  | 35.9  |

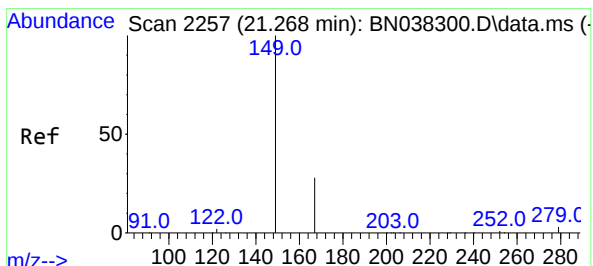
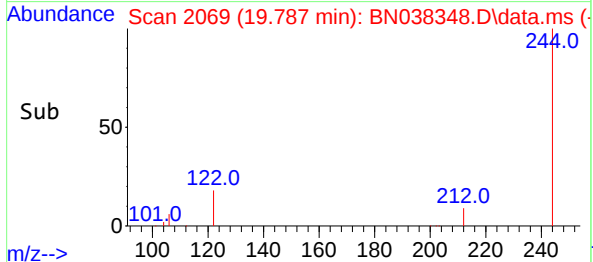
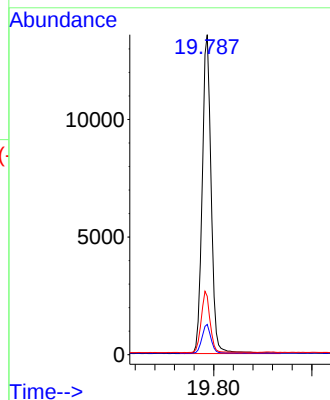
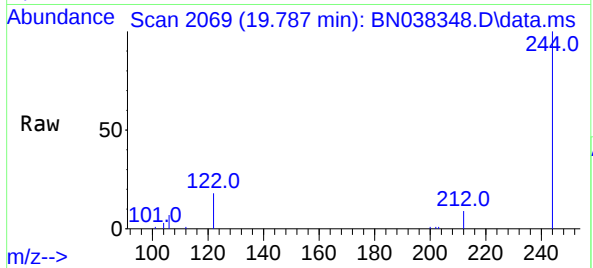




#31  
Terphenyl-d14  
Concen: 0.513 ng  
RT: 19.787 min Scan# 2069  
Delta R.T. -0.005 min  
Lab File: BN038348.D  
Acq: 12 Dec 2025 12:25

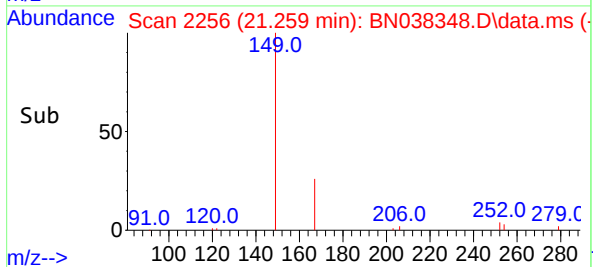
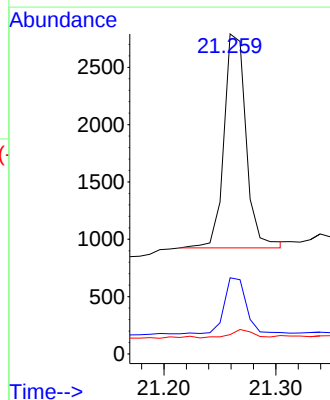
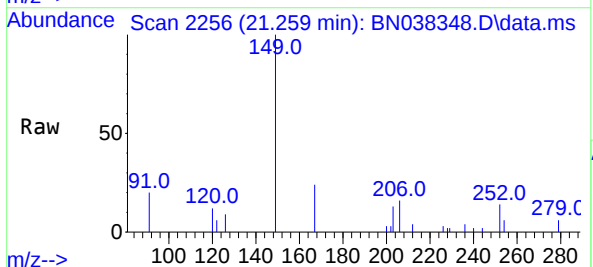
Instrument :  
BNA\_N  
ClientSampleId :  
BR-02-133-120925

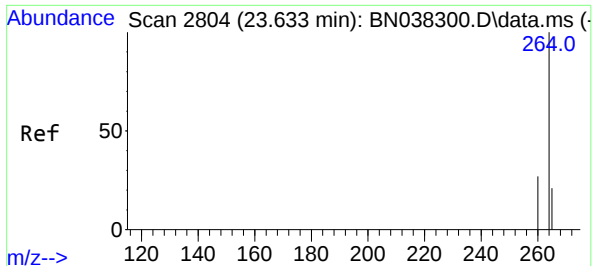
Tgt Ion:244 Resp: 17120  
Ion Ratio Lower Upper  
244 100  
212 9.5 7.9 11.9  
122 18.3 15.0 22.6



#34  
Bis(2-ethylhexyl)phthalate  
Concen: 0.081 ng  
RT: 21.259 min Scan# 2256  
Delta R.T. -0.009 min  
Lab File: BN038348.D  
Acq: 12 Dec 2025 12:25

Tgt Ion:149 Resp: 2563  
Ion Ratio Lower Upper  
149 100  
167 26.3 21.4 32.0  
279 4.0 2.4 3.6





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.630 min Scan# 21

Delta R.T. -0.003 min

Lab File: BN038348.D

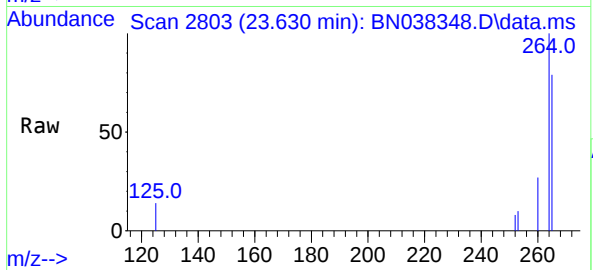
Acq: 12 Dec 2025 12:25

Instrument :

BNA\_N

ClientSampleId :

BR-02-133-120925



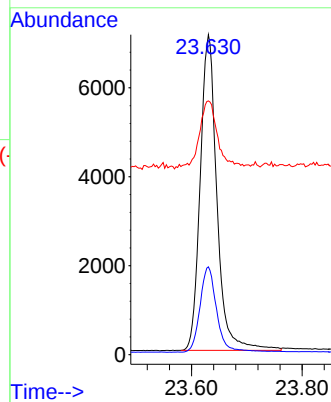
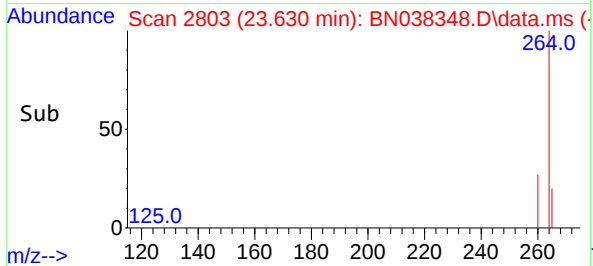
Tgt Ion:264 Resp: 14896

Ion Ratio Lower Upper

264 100

260 27.4 22.2 33.2

265 79.3 80.2 120.2#





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

## Report of Analysis

|                    |                                           |                 |                |
|--------------------|-------------------------------------------|-----------------|----------------|
| Client:            | JACOBS Engineering Group, Inc.            | Date Collected: | 12/09/25       |
| Project:           | Former Schlumberger STC PTC Site D3868221 | Date Received:  | 12/09/25       |
| Client Sample ID:  | OWBR-06-219-120925                        | SDG No.:        | Q3828          |
| Lab Sample ID:     | Q3828-03                                  | Matrix:         | Water          |
| Analytical Method: | SW8270ESIM                                | % Solid:        | 0              |
| Sample Wt/Vol:     | 890 mL                                    | Test:           | SVOC-SIMGroup1 |
| Prep Method :      | 3510C                                     |                 |                |
|                    | Level: LOW                                |                 |                |
|                    | Final Vol: 1000 uL                        |                 |                |
|                    | Prep Date: 12/11/25                       |                 |                |

| CAS Number                | Parameter               | Conc.             | Qua. | DF | MDL                 | LOQ / CRQL | Units    | Date Ana.      | Prep BatchID |
|---------------------------|-------------------------|-------------------|------|----|---------------------|------------|----------|----------------|--------------|
| <b>TARGETS</b>            |                         |                   |      |    |                     |            |          |                |              |
| 123-91-1                  | 1,4-Dioxane             | 0.070             | U    | 1  | 0.070               | 0.22       | ug/L     | 12/12/25 13:01 | PB170912     |
| <b>SURROGATES</b>         |                         |                   |      |    |                     |            |          |                |              |
| 7297-45-2                 | 2-Methylnaphthalene-d10 | 0.27              |      |    | 30 (47) - 150 (106) | 68%        | SPK: 0.4 |                |              |
| 93951-69-0                | Fluoranthene-d10        | 0.36              |      |    | 30 (54) - 150 (157) | 89%        | SPK: 0.4 |                |              |
| 4165-60-0                 | Nitrobenzene-d5         | 0.32              |      |    | 30 (56) - 130 (116) | 79%        | SPK: 0.4 |                |              |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.37              |      |    | 30 (50) - 130 (126) | 91%        | SPK: 0.4 |                |              |
| 1718-51-0                 | Terphenyl-d14           | 0.46              |      |    | 30 (54) - 130 (175) | 116%       | SPK: 0.4 |                |              |
| <b>INTERNAL STANDARDS</b> |                         |                   |      |    |                     |            |          |                |              |
|                           |                         | <b>Area Count</b> |      |    |                     |            |          |                |              |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 5150              |      |    |                     |            |          |                |              |
| 1146-65-2                 | Naphthalene-d8          | 13600             |      |    |                     |            |          |                |              |
| 15067-26-2                | Acenaphthene-d10        | 6980              |      |    |                     |            |          |                |              |
| 1517-22-2                 | Phenanthrene-d10        | 13600             |      |    |                     |            |          |                |              |
| 1719-03-5                 | Chrysene-d12            | 9780              |      |    |                     |            |          |                |              |
| 1520-96-3                 | Perylene-d12            | 9580              |      |    |                     |            |          |                |              |

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\_N\Data\BN121225\  
 Data File : BN038349.D  
 Acq On : 12 Dec 2025 13:01  
 Operator : RC/JU  
 Sample : Q3828-03  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 OWBR-06-219-120925

Manual Integrations  
**APPROVED**

Reviewed By :Rahul Chavli 12/15/2025  
 Supervised By :Jagrut Upadhyay 12/15/2025

Quant Time: Dec 12 13:25:41 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN121025.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 10 13:56:50 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.717  | 152  | 5145     | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.520 | 136  | 13627    | 0.400 | ng    | #-0.01   |
| 13) Acenaphthene-d10          | 14.388 | 164  | 6975     | 0.400 | ng    | -0.01    |
| 19) Phenanthrene-d10          | 17.149 | 188  | 13582    | 0.400 | ng    | 0.00     |
| 29) Chrysene-d12              | 21.340 | 240  | 9780     | 0.400 | ng    | 0.00     |
| 35) Perylene-d12              | 23.630 | 264  | 9584     | 0.400 | ng    | 0.00     |
|                               |        |      |          |       |       |          |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.291  | 112  | 1975     | 0.154 | ng    | 0.00     |
| 5) Phenol-d6                  | 6.887  | 99   | 1485     | 0.097 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 8.875  | 82   | 3621     | 0.315 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10   | 12.121 | 152  | 5233     | 0.272 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 15.895 | 330  | 915      | 0.296 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 13.009 | 172  | 12311    | 0.366 | ng    | 0.00     |
| 27) Fluoranthene-d10          | 19.183 | 212  | 11914    | 0.355 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.787 | 244  | 10137    | 0.464 | ng    | 0.00     |
|                               |        |      |          |       |       |          |
| Target Compounds              |        |      |          |       |       | Qvalue   |
| 12) 2-Methylnaphthalene       | 12.197 | 142  | 648      | 0.025 | ng    | # 87     |
| 18) Fluorene                  | 15.446 | 166  | 965      | 0.031 | ng    | # 97     |
| 21) 4-Bromophenyl-phenylether | 16.342 | 248  | 646      | 0.064 | ng    | # 83     |
| 22) Hexachlorobenzene         | 16.453 | 284  | 716      | 0.059 | ng    | 91       |
| 25) Phenanthrene              | 17.186 | 178  | 3678m    | 0.078 | ng    |          |
| 26) Anthracene                | 17.273 | 178  | 1715     | 0.042 | ng    | 98       |
| 28) Fluoranthene              | 19.215 | 202  | 1586     | 0.032 | ng    | # 55     |
| 30) Pyrene                    | 19.578 | 202  | 1251     | 0.026 | ng    | 96       |
| 34) Bis(2-ethylhexyl)phtha... | 21.268 | 149  | 1676     | 0.081 | ng    | # 97     |
| -----                         |        |      |          |       |       |          |

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

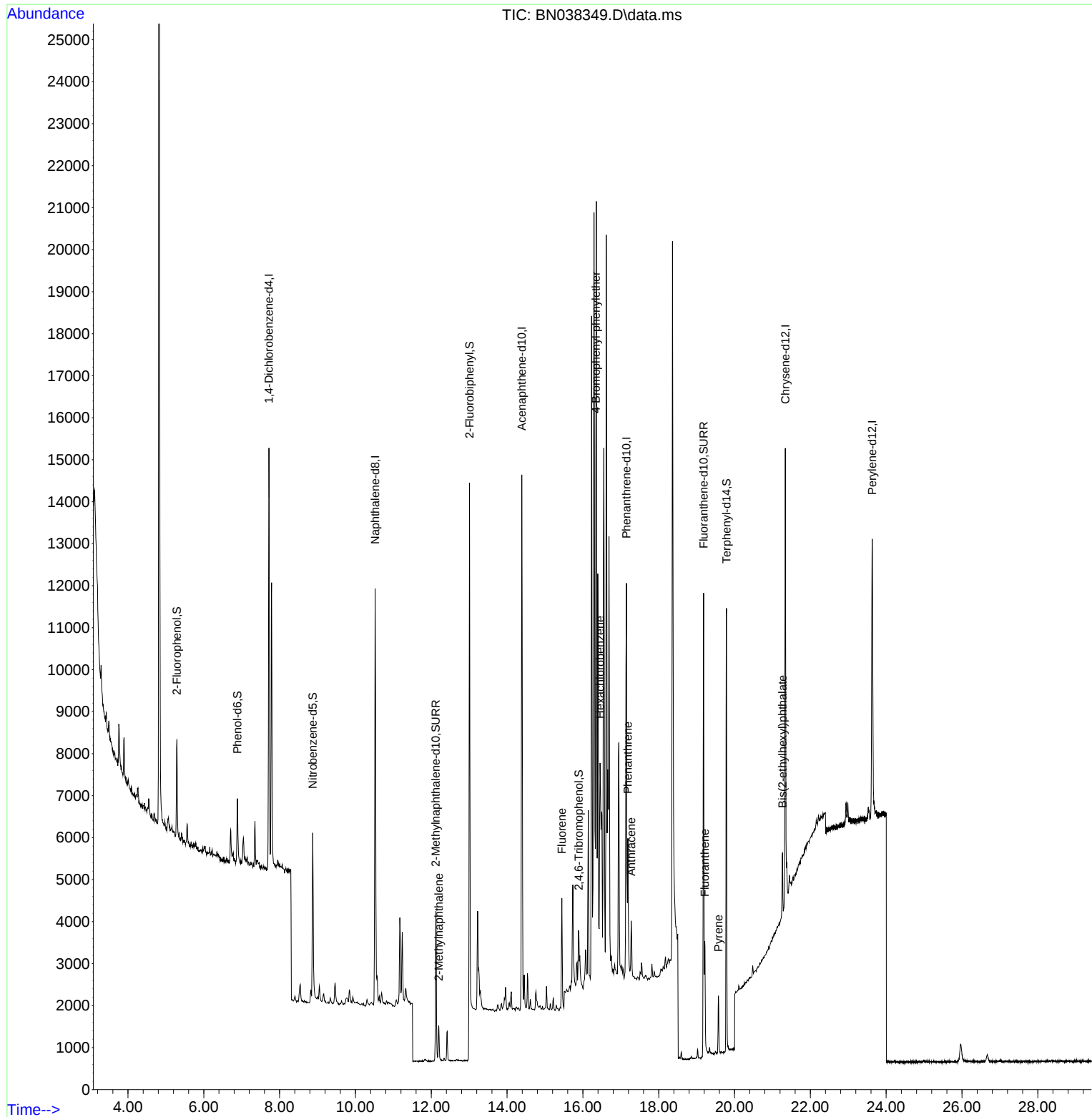
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN121225\  
Data File : BN038349.D  
Acq On : 12 Dec 2025 13:01  
Operator : RC/JU  
Sample : Q3828-03  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
OWBR-06-219-120925

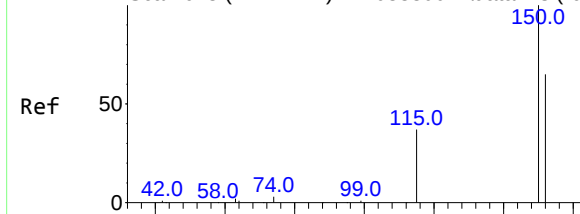
Manual Integrations  
**APPROVED**

Reviewed By :Rahul Chavli 12/15/2025  
Supervised By :Jagrut Upadhyay 12/15/2025

Quant Time: Dec 12 13:25:41 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN121025.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Dec 10 13:56:50 2025  
Response via : Initial Calibration



Abundance Scan 643 (7.724 min): BN0383300.D\data.ms (-63



#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.717 min Scan# 64

Delta R.T. -0.007 min

Lab File: BN038349.D

Acq: 12 Dec 2025 13:01

Instrument :

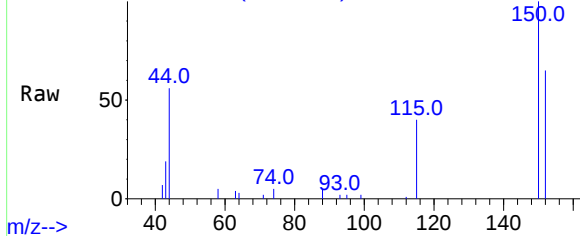
BNA\_N

ClientSampleId :

OWBR-06-219-120925

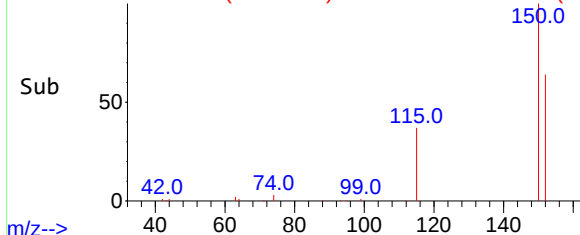
m/z--&gt;

Abundance Scan 642 (7.717 min): BN038349.D\data.ms



m/z--&gt;

Abundance Scan 642 (7.717 min): BN038349.D\data.ms (-61



m/z--&gt;

Tgt Ion:152 Resp: 514

Ion Ratio Lower Upper

152 100

150 153.2 122.4 183.6

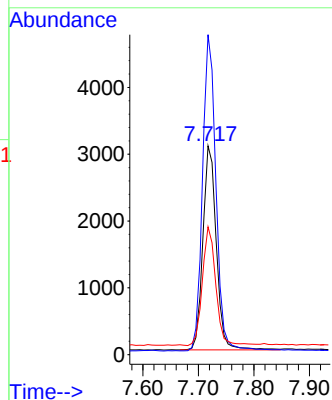
115 61.2 47.3 70.9

Manual Integrations

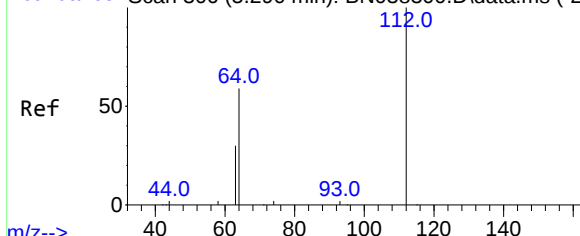
APPROVED

Reviewed By :Rahul Chavli 12/15/2025

Supervised By :Jagrut Upadhyay 12/15/2025

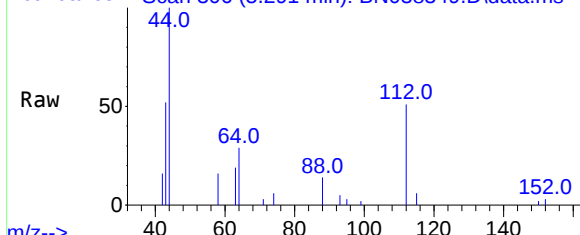


Abundance Scan 306 (5.290 min): BN0383300.D\data.ms (-29



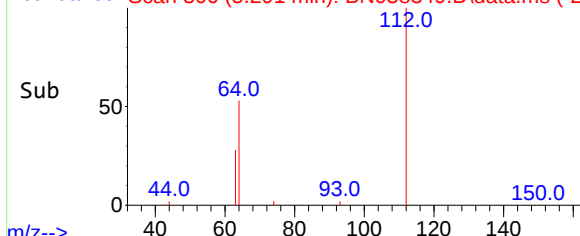
m/z--&gt;

Abundance Scan 306 (5.291 min): BN038349.D\data.ms



m/z--&gt;

Abundance Scan 306 (5.291 min): BN038349.D\data.ms (-27



m/z--&gt;

#4

2-Fluorophenol

Concen: 0.154 ng

RT: 5.291 min Scan# 306

Delta R.T. 0.000 min

Lab File: BN038349.D

Acq: 12 Dec 2025 13:01

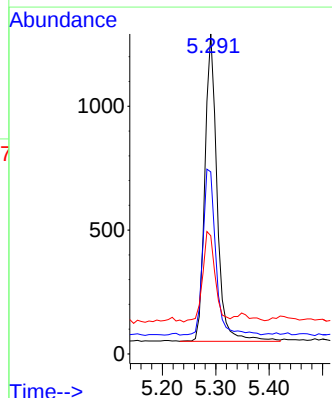
Tgt Ion:112 Resp: 1975

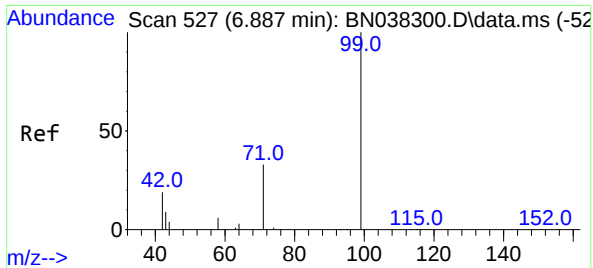
Ion Ratio Lower Upper

112 100

64 56.4 44.4 66.6

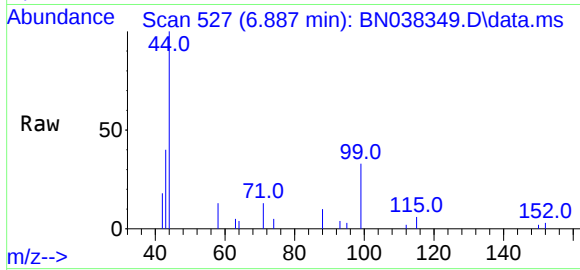
63 30.0 23.4 35.0





#5  
Phenol-d6  
Concen: 0.097 ng  
RT: 6.887 min Scan# 51  
Delta R.T. 0.000 min  
Lab File: BN038349.D  
Acq: 12 Dec 2025 13:01

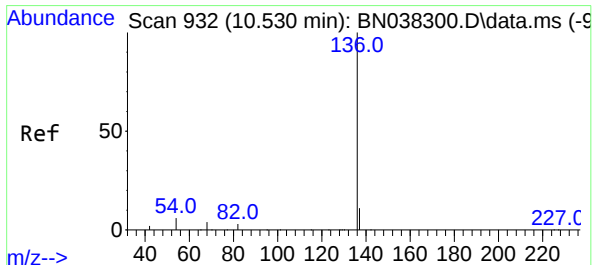
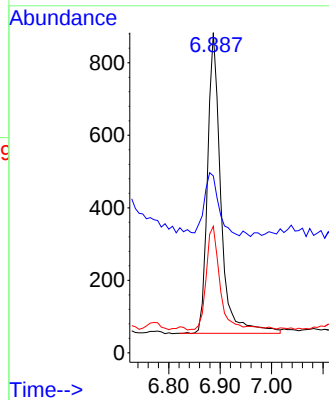
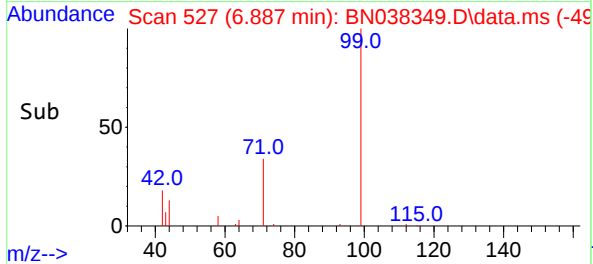
Instrument :  
BNA\_N  
ClientSampleId :  
OWBR-06-219-120925



Tgt Ion: 99 Resp: 148  
Ion Ratio Lower Upper  
99 100  
42 22.7 16.5 24.7  
71 36.8 24.9 37.3

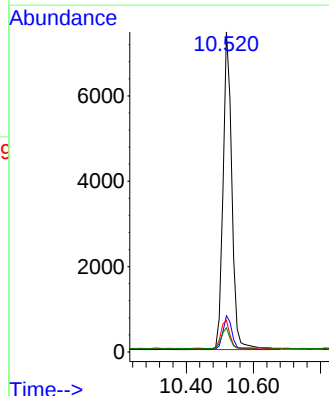
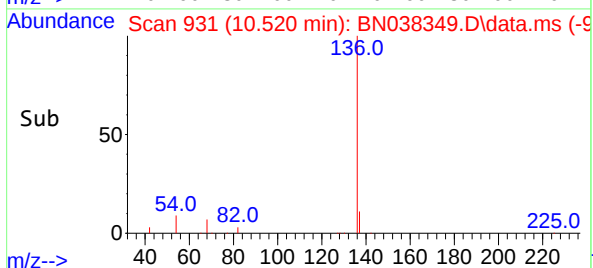
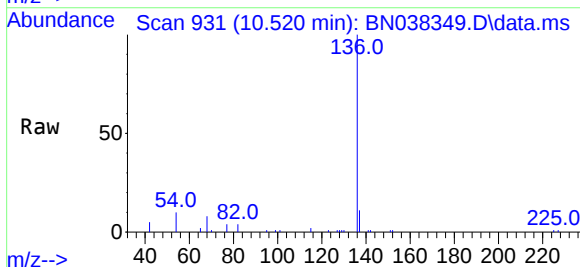
Manual Integrations  
**APPROVED**

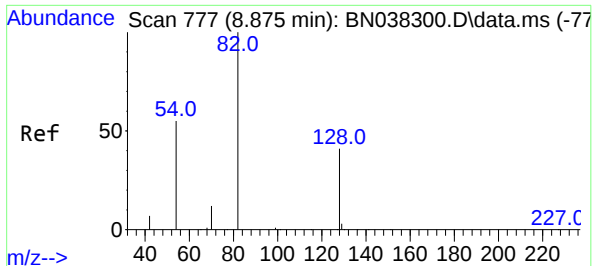
Reviewed By :Rahul Chavli 12/15/2025  
Supervised By :Jagrut Upadhyay 12/15/2025



#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.520 min Scan# 931  
Delta R.T. -0.011 min  
Lab File: BN038349.D  
Acq: 12 Dec 2025 13:01

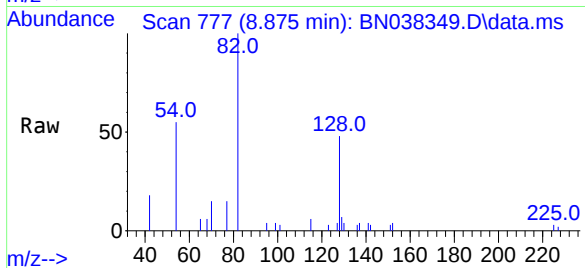
Tgt Ion:136 Resp: 13627  
Ion Ratio Lower Upper  
136 100  
137 11.3 9.1 13.7  
54 9.9 5.2 7.8#  
68 7.6 4.1 6.1#





#8  
Nitrobenzene-d5  
Concen: 0.315 ng  
RT: 8.875 min Scan# 71  
Delta R.T. 0.000 min  
Lab File: BN038349.D  
Acq: 12 Dec 2025 13:01

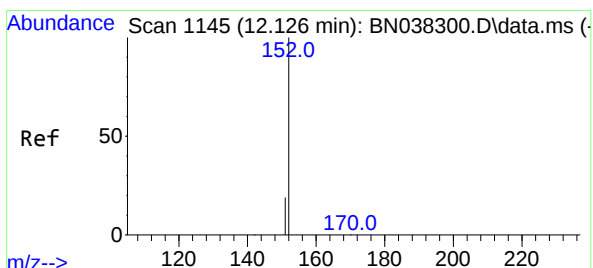
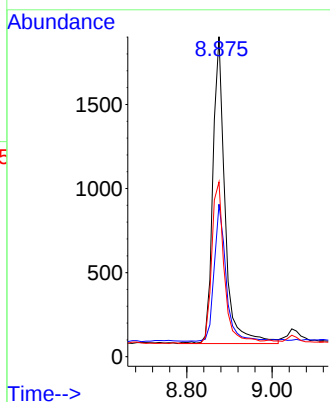
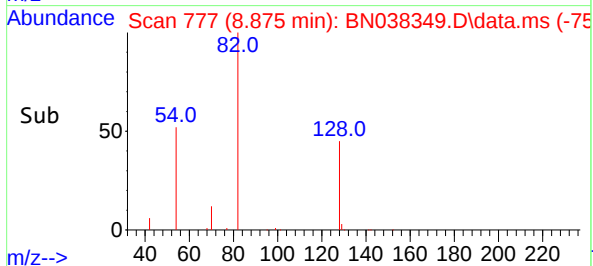
Instrument :  
BNA\_N  
ClientSampleId :  
OWBR-06-219-120925



Tgt Ion: 82 Resp: 362  
Ion Ratio Lower Upper  
82 100  
128 47.7 34.0 51.0  
54 54.6 44.4 66.6

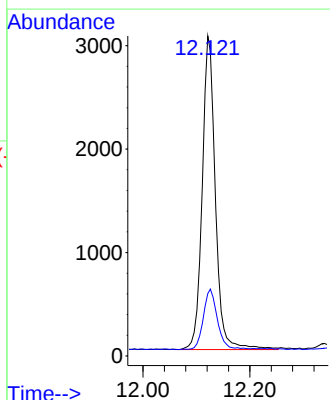
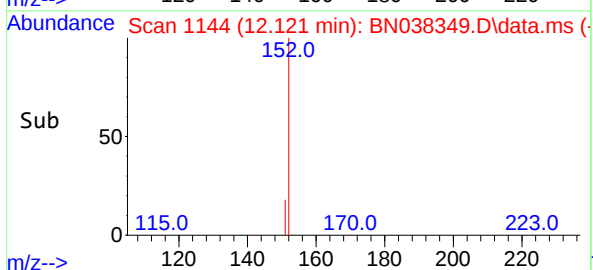
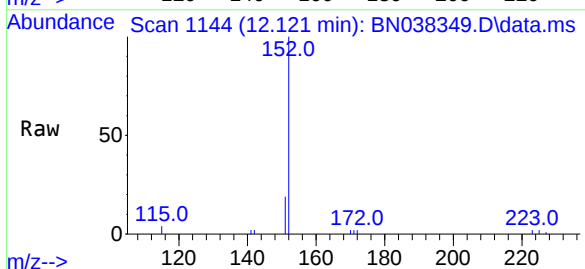
Manual Integrations  
APPROVED

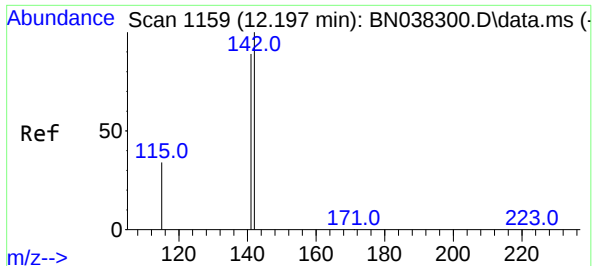
Reviewed By :Rahul Chavli 12/15/2025  
Supervised By :Jagrut Upadhyay 12/15/2025



#11  
2-Methylnaphthalene-d10  
Concen: 0.272 ng  
RT: 12.121 min Scan# 1144  
Delta R.T. -0.005 min  
Lab File: BN038349.D  
Acq: 12 Dec 2025 13:01

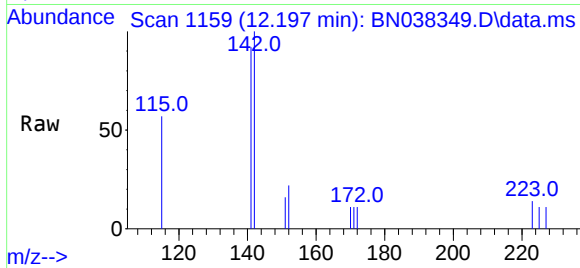
Tgt Ion:152 Resp: 5233  
Ion Ratio Lower Upper  
152 100  
151 20.5 17.0 25.6





#12  
2-Methylnaphthalene  
Concen: 0.025 ng  
RT: 12.197 min Scan# 1159  
Delta R.T. -0.005 min  
Lab File: BN038349.D  
Acq: 12 Dec 2025 13:01

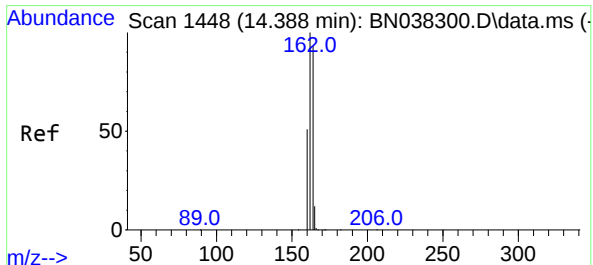
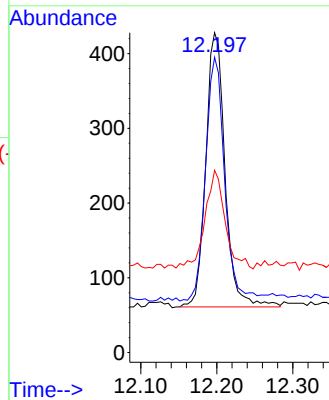
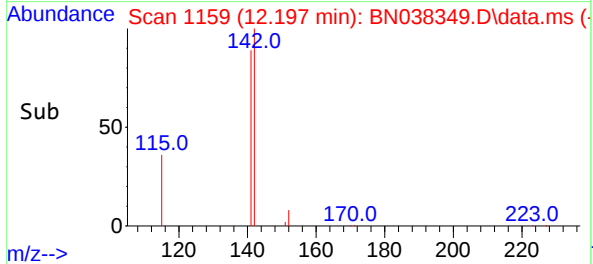
Instrument :  
BNA\_N  
ClientSampleId :  
OWBR-06-219-120925



Tgt Ion:142 Resp: 648  
Ion Ratio Lower Upper  
142 100  
141 92.3 71.4 107.2  
115 57.0 28.4 42.6

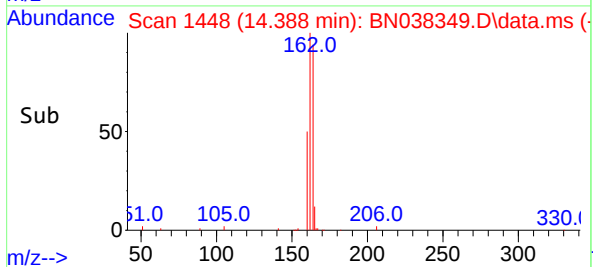
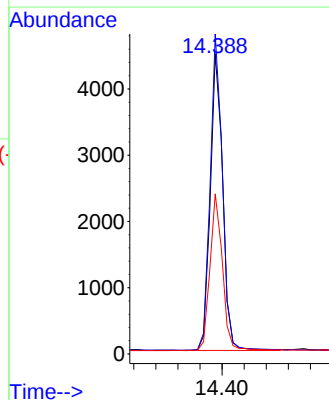
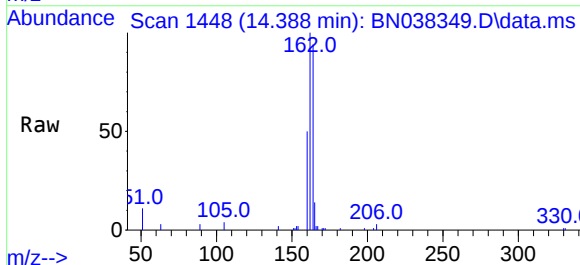
Manual Integrations  
**APPROVED**

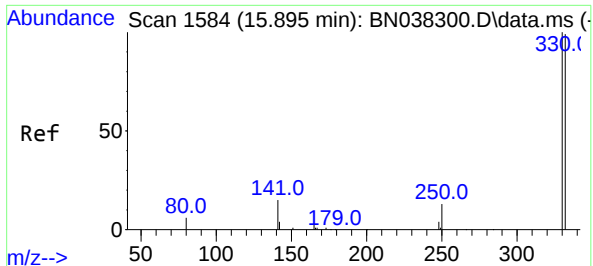
Reviewed By :Rahul Chavli 12/15/2025  
Supervised By :Jagrut Upadhyay 12/15/2025



#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.388 min Scan# 1448  
Delta R.T. -0.011 min  
Lab File: BN038349.D  
Acq: 12 Dec 2025 13:01

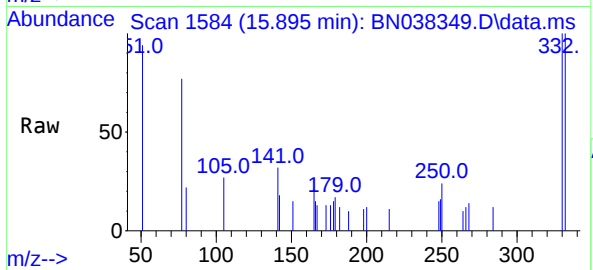
Tgt Ion:164 Resp: 6975  
Ion Ratio Lower Upper  
164 100  
162 106.5 86.2 129.4  
160 53.3 44.6 67.0





#14  
2,4,6-Tribromophenol  
Concen: 0.296 ng  
RT: 15.895 min Scan# 1584  
Delta R.T. 0.000 min  
Lab File: BN038349.D  
Acq: 12 Dec 2025 13:01

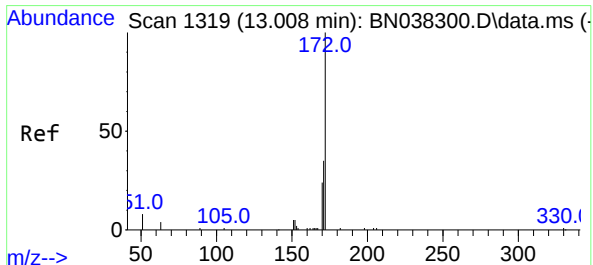
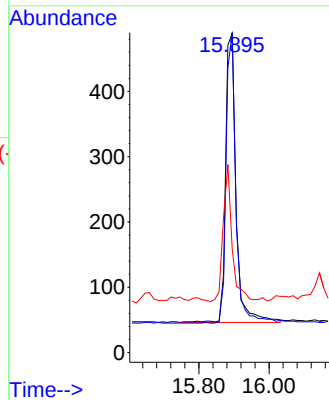
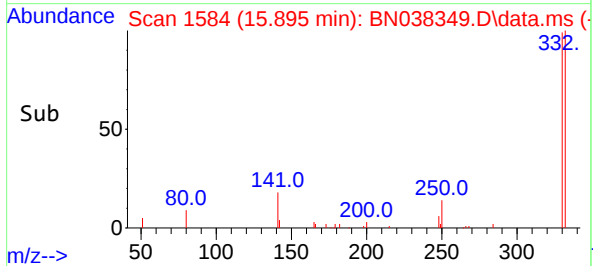
Instrument :  
BNA\_N  
ClientSampleId :  
OWBR-06-219-120925



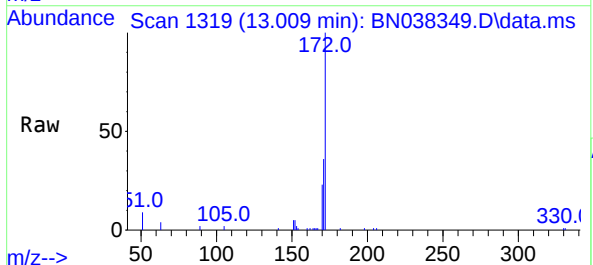
Tgt Ion:330 Resp: 91.1  
Ion Ratio Lower Upper  
330 100  
332 93.9 75.8 113.6  
141 40.7 31.8 47.8

Manual Integrations  
**APPROVED**

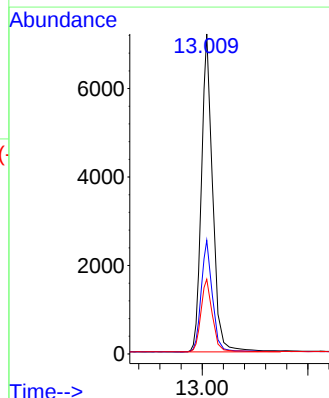
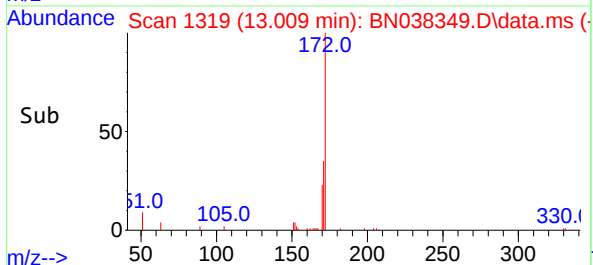
Reviewed By :Rahul Chavli 12/15/2025  
Supervised By :Jagrut Upadhyay 12/15/2025

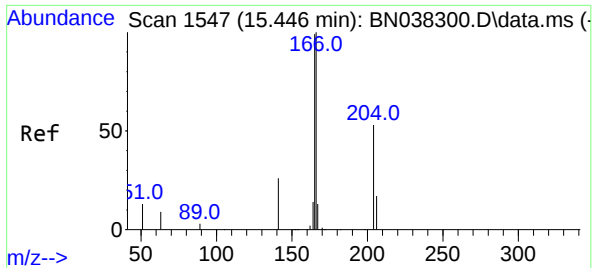


#15  
2-Fluorobiphenyl  
Concen: 0.366 ng  
RT: 13.009 min Scan# 1319  
Delta R.T. 0.000 min  
Lab File: BN038349.D  
Acq: 12 Dec 2025 13:01



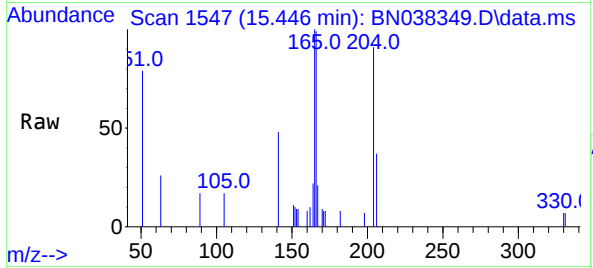
Tgt Ion:172 Resp: 12311  
Ion Ratio Lower Upper  
172 100  
171 35.5 28.6 42.8  
170 23.3 19.3 28.9





#18  
Fluorene  
Concen: 0.031 ng  
RT: 15.446 min Scan# 1547  
Delta R.T. 0.000 min  
Lab File: BN038349.D  
Acq: 12 Dec 2025 13:01

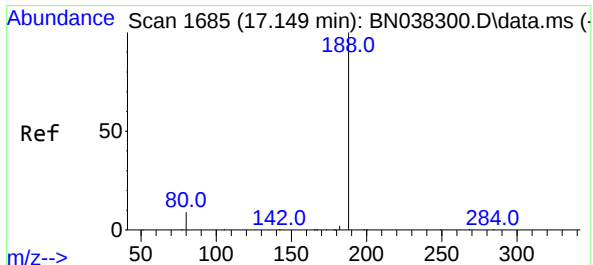
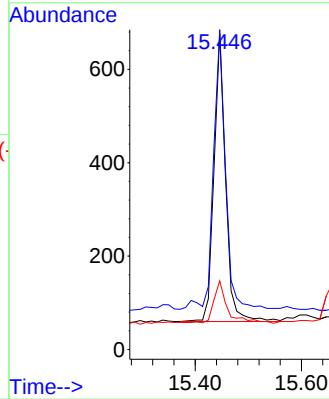
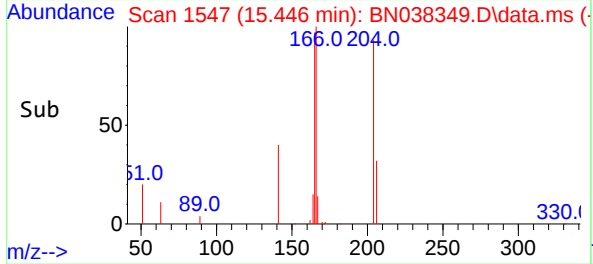
Instrument :  
BNA\_N  
ClientSampleId :  
OWBR-06-219-120925



Tgt Ion:166 Resp: 96  
Ion Ratio Lower Upper  
166 100  
165 102.4 80.2 120.4  
167 17.9 10.6 16.0

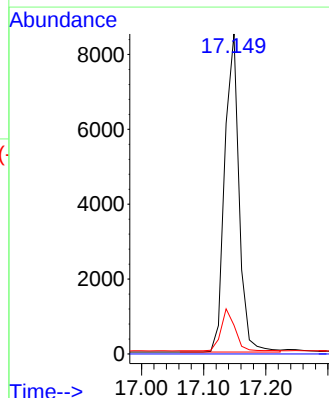
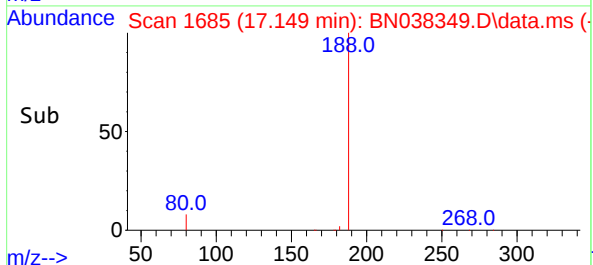
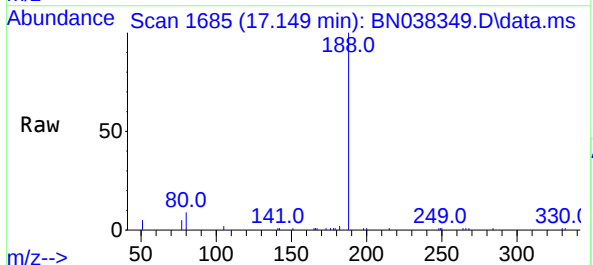
Manual Integrations  
**APPROVED**

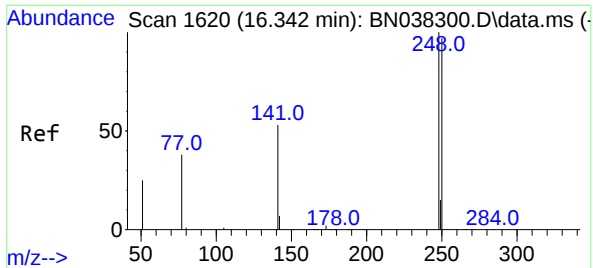
Reviewed By :Rahul Chavli 12/15/2025  
Supervised By :Jagrut Upadhyay 12/15/2025



#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.149 min Scan# 1685  
Delta R.T. 0.000 min  
Lab File: BN038349.D  
Acq: 12 Dec 2025 13:01

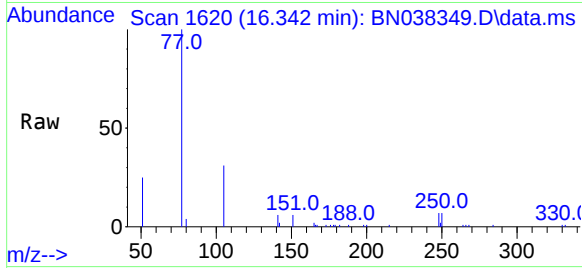
Tgt Ion:188 Resp: 13582  
Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 9.0 7.4 11.0





#21  
4-Bromophenyl-phenylether  
Concen: 0.064 ng  
RT: 16.342 min Scan# 1620  
Delta R.T. -0.000 min  
Lab File: BN038349.D  
Acq: 12 Dec 2025 13:01

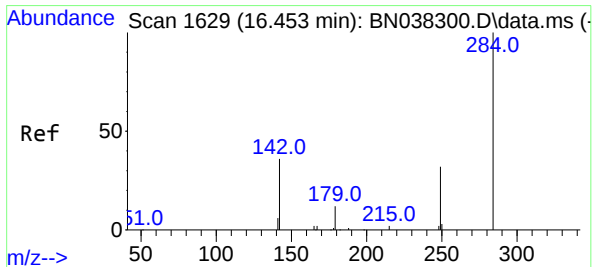
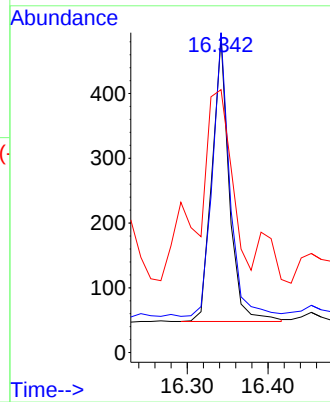
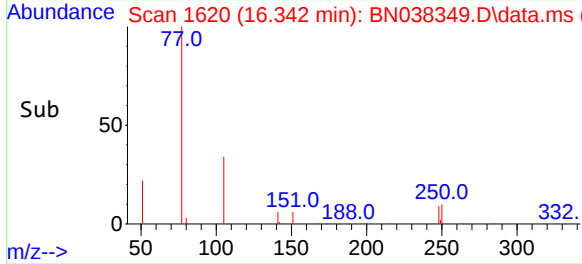
Instrument :  
BNA\_N  
ClientSampleId :  
OWBR-06-219-120925



Tgt Ion:248 Resp: 640  
Ion Ratio Lower Upper  
248 100  
250 101.6 78.2 117.2  
141 83.5 43.7 65.5

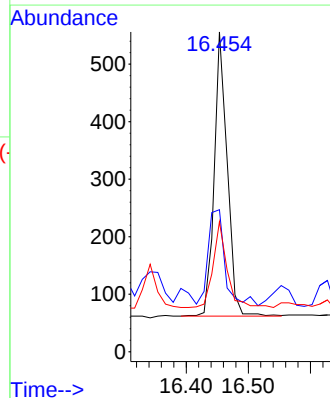
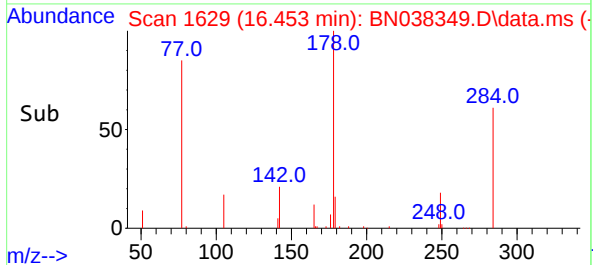
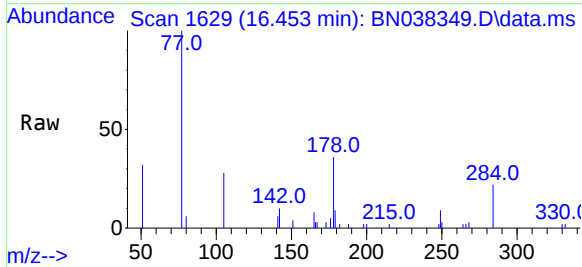
Manual Integrations  
**APPROVED**

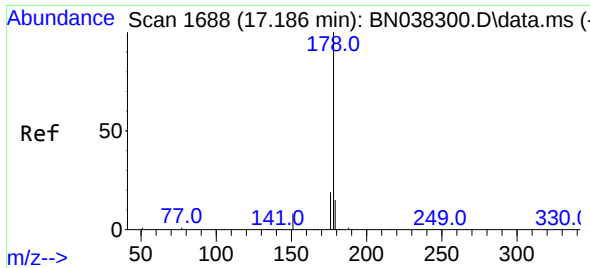
Reviewed By :Rahul Chavli 12/15/2025  
Supervised By :Jagrut Upadhyay 12/15/2025



#22  
Hexachlorobenzene  
Concen: 0.059 ng  
RT: 16.453 min Scan# 1629  
Delta R.T. -0.012 min  
Lab File: BN038349.D  
Acq: 12 Dec 2025 13:01

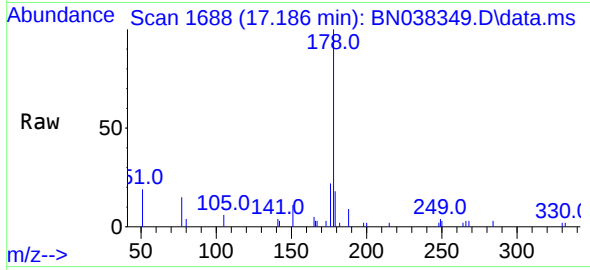
Tgt Ion:284 Resp: 716  
Ion Ratio Lower Upper  
284 100  
142 43.9 29.5 44.3  
249 32.4 23.7 35.5





#25  
Phenanthrene  
Concen: 0.078 ng m  
RT: 17.186 min Scan# 1688  
Delta R.T. 0.000 min  
Lab File: BN038349.D  
Acq: 12 Dec 2025 13:01

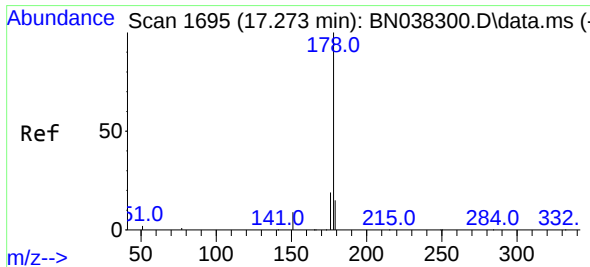
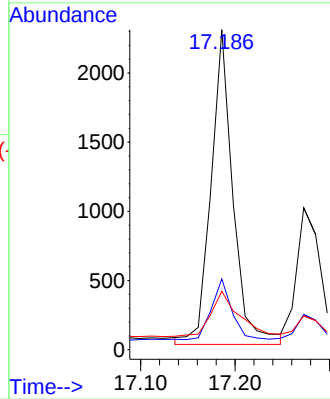
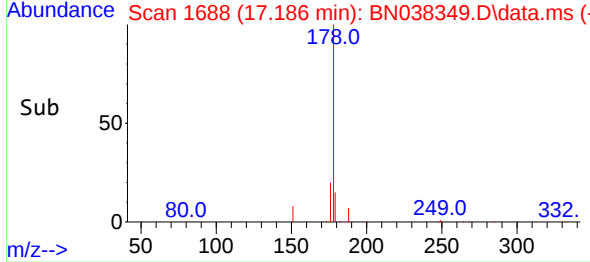
Instrument :  
BNA\_N  
ClientSampleId :  
OWBR-06-219-120925



Tgt Ion:178 Resp: 3678  
Ion Ratio Lower Upper  
178 100  
176 8.5 15.5 23.3  
179 5.8 12.2 18.2

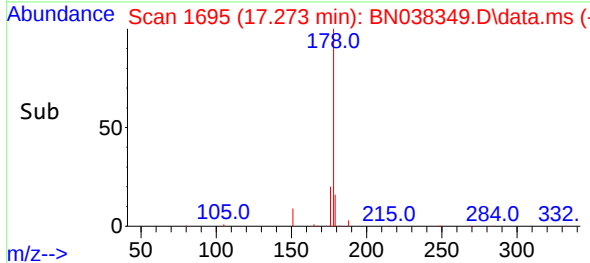
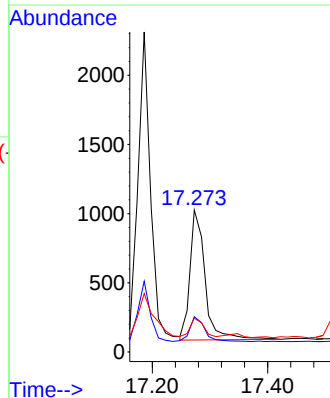
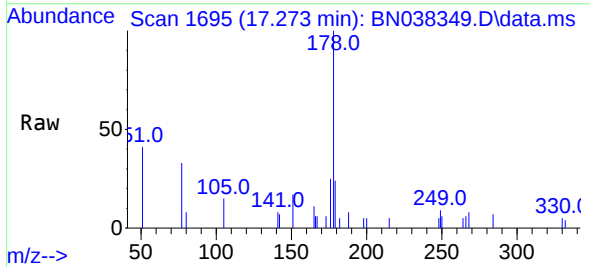
Manual Integrations  
**APPROVED**

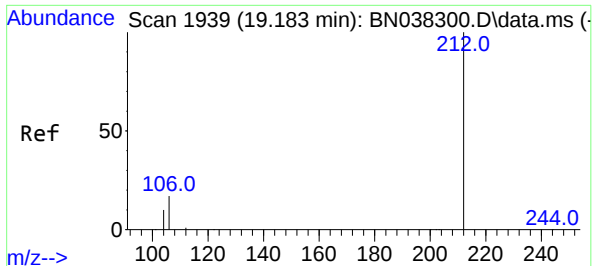
Reviewed By :Rahul Chavli 12/15/2025  
Supervised By :Jagrut Upadhyay 12/15/2025



#26  
Anthracene  
Concen: 0.042 ng  
RT: 17.273 min Scan# 1695  
Delta R.T. -0.012 min  
Lab File: BN038349.D  
Acq: 12 Dec 2025 13:01

Tgt Ion:178 Resp: 1715  
Ion Ratio Lower Upper  
178 100  
176 19.3 15.1 22.7  
179 14.1 12.0 18.0





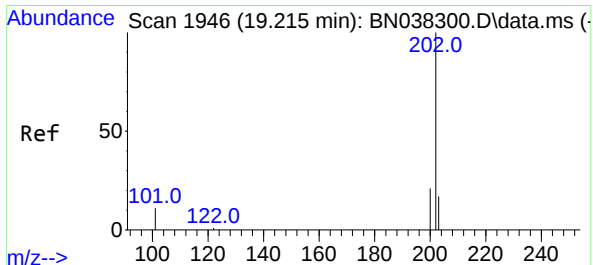
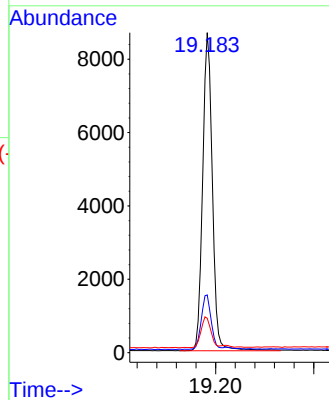
#27  
Fluoranthene-d10  
Concen: 0.355 ng  
RT: 19.183 min Scan# 1939  
Delta R.T. -0.005 min  
Lab File: BN038349.D  
Acq: 12 Dec 2025 13:01

Instrument :  
BNA\_N  
ClientSampleId :  
OWBR-06-219-120925

Tgt Ion:212 Resp: 11914  
Ion Ratio Lower Upper  
212 100  
106 17.2 13.7 20.5  
104 9.6 7.8 11.8

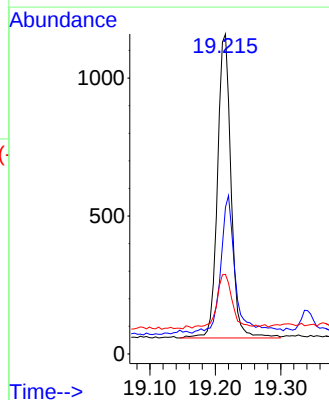
Manual Integrations  
**APPROVED**

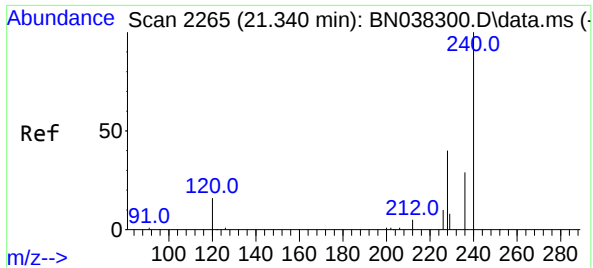
Reviewed By :Rahul Chavli 12/15/2025  
Supervised By :Jagrut Upadhyay 12/15/2025



#28  
Fluoranthene  
Concen: 0.032 ng  
RT: 19.215 min Scan# 1946  
Delta R.T. -0.005 min  
Lab File: BN038349.D  
Acq: 12 Dec 2025 13:01

Tgt Ion:202 Resp: 1586  
Ion Ratio Lower Upper  
202 100  
101 50.0 9.6 14.4#  
203 20.1 13.5 20.3





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.340 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN038349.D

Acq: 12 Dec 2025 13:01

Instrument :

BNA\_N

ClientSampleId :

OWBR-06-219-120925

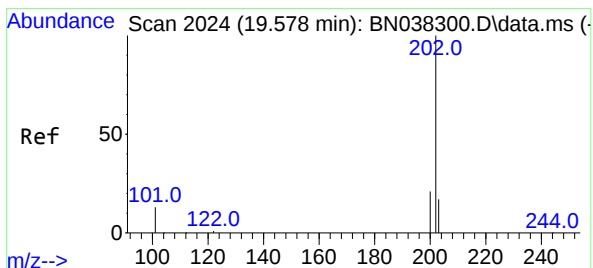
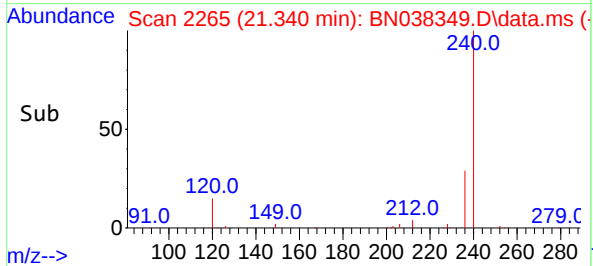
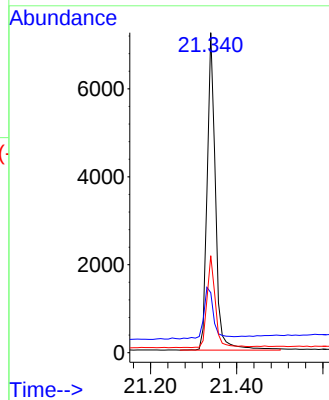
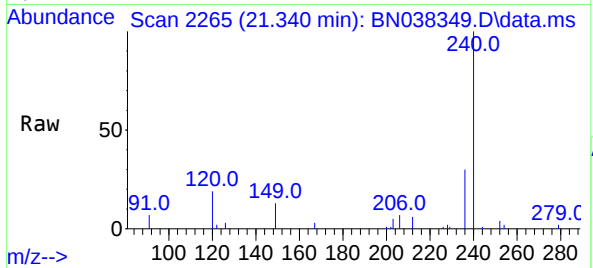
|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:240 | Resp: | 9780        |
| Ion         | Ratio | Lower Upper |
| 240         | 100   |             |
| 120         | 18.7  | 15.4 23.2   |
| 236         | 30.3  | 23.9 35.9   |

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 12/15/2025

Supervised By :Jagrut Upadhyay 12/15/2025



#30

Pyrene

Concen: 0.026 ng

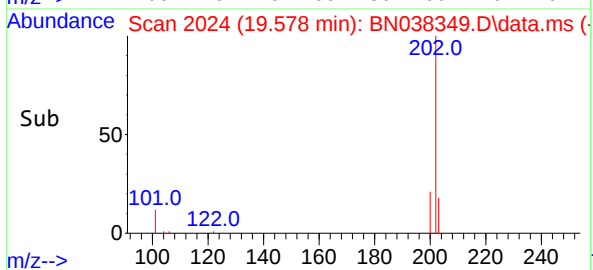
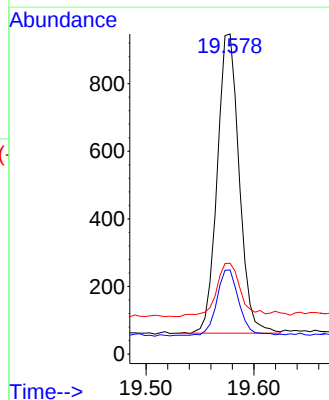
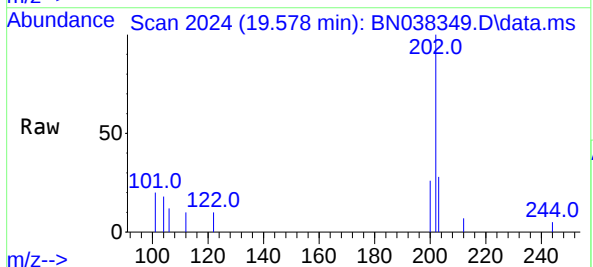
RT: 19.578 min Scan# 2024

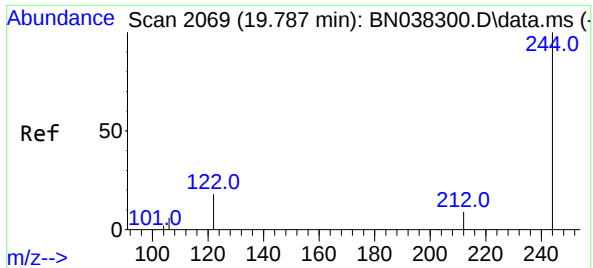
Delta R.T. -0.005 min

Lab File: BN038349.D

Acq: 12 Dec 2025 13:01

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:202 | Resp: | 1251        |
| Ion         | Ratio | Lower Upper |
| 202         | 100   |             |
| 200         | 22.9  | 16.9 25.3   |
| 203         | 19.6  | 14.2 21.2   |





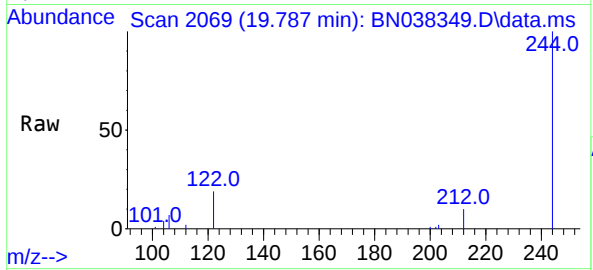
#31  
Terphenyl-d14  
Concen: 0.464 ng  
RT: 19.787 min Scan# 2069  
Delta R.T. -0.005 min  
Lab File: BN038349.D  
Acq: 12 Dec 2025 13:01

Instrument :

BNA\_N

ClientSampleId :

OWBR-06-219-120925

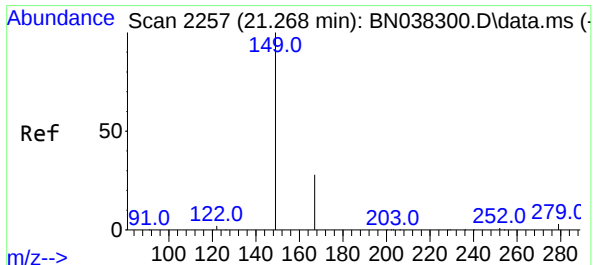
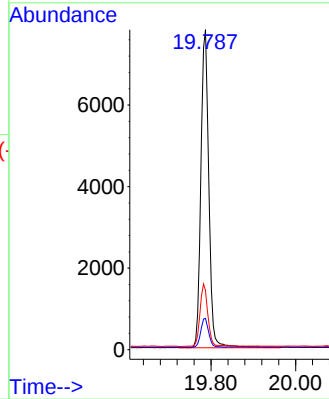
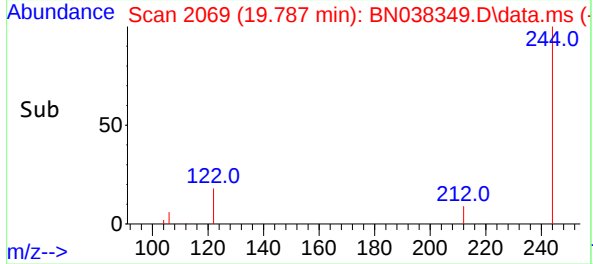


Tgt Ion:244 Resp: 1013  
Ion Ratio Lower Upper  
244 100  
212 9.8 7.9 11.9  
122 18.5 15.0 22.6

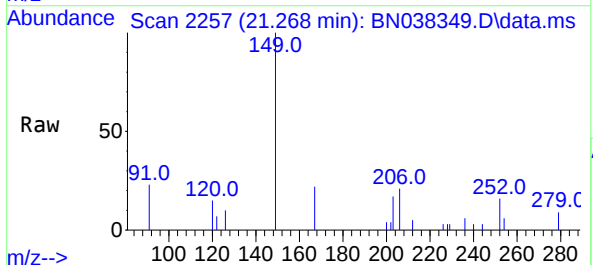
Manual Integrations

APPROVED

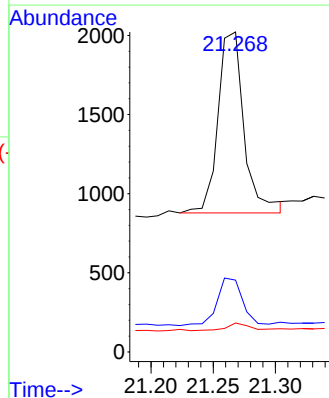
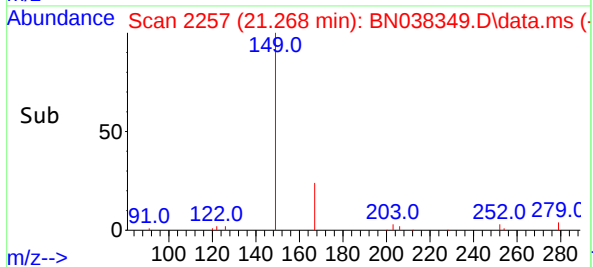
Reviewed By :Rahul Chavli 12/15/2025  
Supervised By :Jagrut Upadhyay 12/15/2025

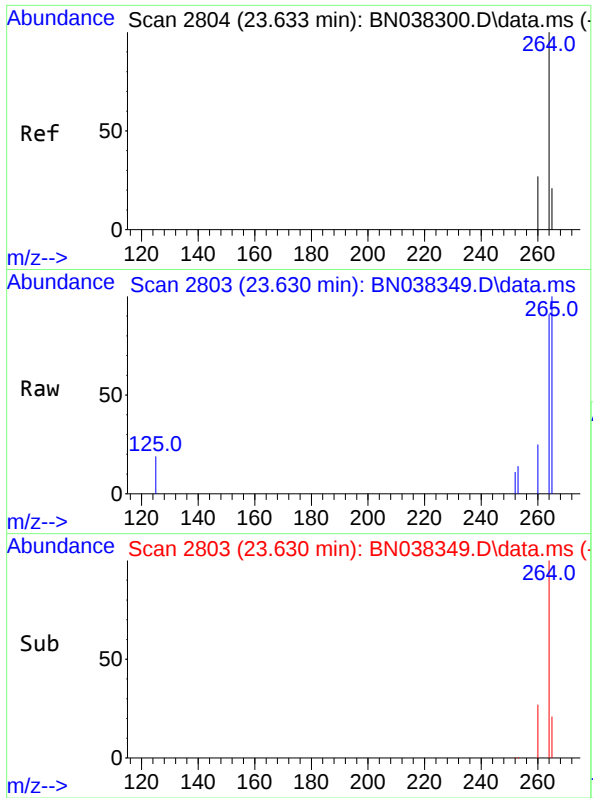


#34  
Bis(2-ethylhexyl)phthalate  
Concen: 0.081 ng  
RT: 21.268 min Scan# 2257  
Delta R.T. 0.000 min  
Lab File: BN038349.D  
Acq: 12 Dec 2025 13:01



Tgt Ion:149 Resp: 1676  
Ion Ratio Lower Upper  
149 100  
167 25.4 21.4 32.0  
279 3.9 2.4 3.6#





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.630 min Scan# 21

Delta R.T. -0.003 min

Lab File: BN038349.D

Acq: 12 Dec 2025 13:01

Instrument :

BNA\_N

ClientSampleId :

OWBR-06-219-120925

Tgt Ion:264 Resp: 9584

Ion Ratio Lower Upper

264 100

260 27.8 22.2 33.2

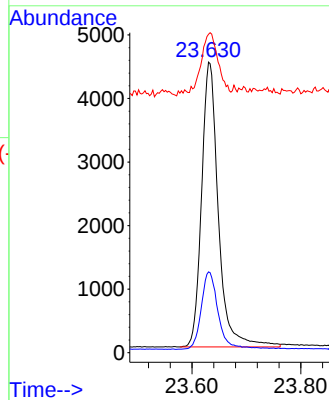
265 109.6 80.2 120.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 12/15/2025

Supervised By :Jagrut Upadhyay 12/15/2025



## Report of Analysis

|                                                    |                          |  |
|----------------------------------------------------|--------------------------|--|
| Client: JACOBS Engineering Group, Inc.             | Date Collected: 12/09/25 |  |
| Project: Former Schlumberger STC PTC Site D3868221 | Date Received: 12/09/25  |  |
| Client Sample ID: RMW-03B-90-120925                | SDG No.: Q3828           |  |
| Lab Sample ID: Q3828-05                            | Matrix: Water            |  |
| Analytical Method: SW8270ESIM    Level: LOW        | % Solid: 0               |  |
| Sample Wt/Vol: 1000 mL    Final Vol: 1000 uL       | Test: SVOC-SIMGroup1     |  |
| Prep Method : 3510C    Prep Date: 12/11/25         |                          |  |

| CAS Number                | Parameter               | Conc.             | Qua. | DF | MDL                 | LOQ / CRQL | Units    | Date Ana.      | Prep BatchID |
|---------------------------|-------------------------|-------------------|------|----|---------------------|------------|----------|----------------|--------------|
| <b>TARGETS</b>            |                         |                   |      |    |                     |            |          |                |              |
| 123-91-1                  | 1,4-Dioxane             | 6.60              | E    | 1  | 0.070               | 0.20       | ug/L     | 12/12/25 13:38 | PB170912     |
| <b>SURROGATES</b>         |                         |                   |      |    |                     |            |          |                |              |
| 7297-45-2                 | 2-Methylnaphthalene-d10 | 0.27              |      |    | 30 (47) - 150 (106) | 68%        | SPK: 0.4 |                |              |
| 93951-69-0                | Fluoranthene-d10        | 0.38              |      |    | 30 (54) - 150 (157) | 94%        | SPK: 0.4 |                |              |
| 4165-60-0                 | Nitrobenzene-d5         | 0.31              |      |    | 30 (56) - 130 (116) | 77%        | SPK: 0.4 |                |              |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.37              |      |    | 30 (50) - 130 (126) | 94%        | SPK: 0.4 |                |              |
| 1718-51-0                 | Terphenyl-d14           | 0.52              | *    |    | 30 (54) - 130 (175) | 131%       | SPK: 0.4 |                |              |
| <b>INTERNAL STANDARDS</b> |                         | <b>Area Count</b> |      |    |                     |            |          |                |              |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 5120              |      |    |                     |            |          |                |              |
| 1146-65-2                 | Naphthalene-d8          | 13900             |      |    |                     |            |          |                |              |
| 15067-26-2                | Acenaphthene-d10        | 7000              |      |    |                     |            |          |                |              |
| 1517-22-2                 | Phenanthrene-d10        | 12900             |      |    |                     |            |          |                |              |
| 1719-03-5                 | Chrysene-d12            | 9840              |      |    |                     |            |          |                |              |
| 1520-96-3                 | Perylene-d12            | 9540              |      |    |                     |            |          |                |              |

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\_N\Data\BN121225\  
 Data File : BN038350.D  
 Acq On : 12 Dec 2025 13:38  
 Operator : RC/JU  
 Sample : Q3828-05  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 RMW-03B-90-120925

Quant Time: Dec 12 14:02:10 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN121025.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 10 13:56:50 2025  
 Response via : Initial Calibration

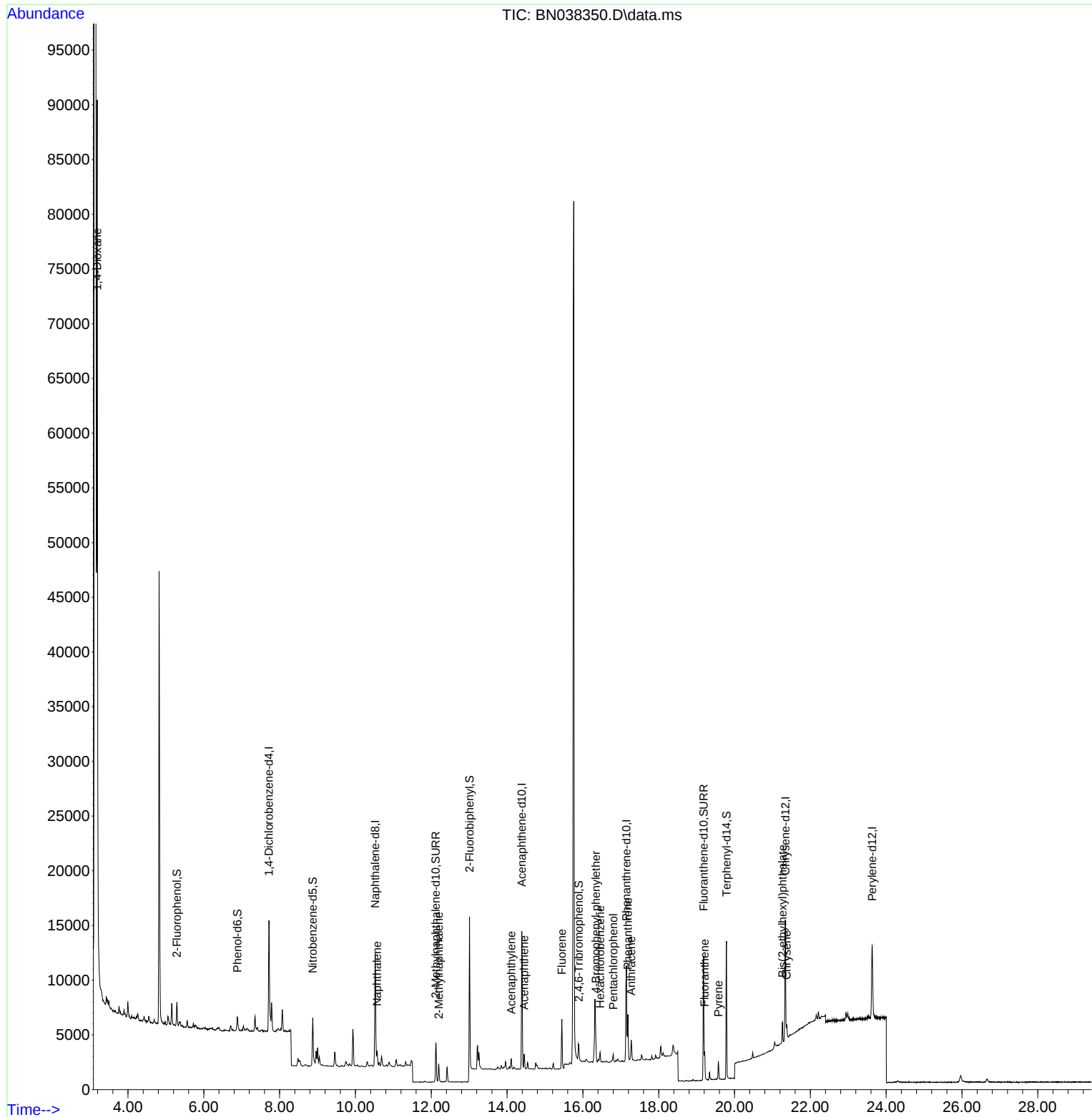
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.717  | 152  | 5116     | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.520 | 136  | 13853    | 0.400 | ng    | #-0.01   |
| 13) Acenaphthene-d10          | 14.388 | 164  | 6995     | 0.400 | ng    | -0.01    |
| 19) Phenanthrene-d10          | 17.149 | 188  | 12856    | 0.400 | ng    | 0.00     |
| 29) Chrysene-d12              | 21.340 | 240  | 9842     | 0.400 | ng    | 0.00     |
| 35) Perylene-d12              | 23.630 | 264  | 9541     | 0.400 | ng    | 0.00     |
|                               |        |      |          |       |       |          |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.290  | 112  | 1721     | 0.135 | ng    | 0.00     |
| 5) Phenol-d6                  | 6.887  | 99   | 1248     | 0.082 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 8.875  | 82   | 3598     | 0.308 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10   | 12.121 | 152  | 5354     | 0.274 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 15.895 | 330  | 944      | 0.304 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 13.008 | 172  | 12597    | 0.374 | ng    | 0.00     |
| 27) Fluoranthene-d10          | 19.183 | 212  | 12016    | 0.378 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.787 | 244  | 11495    | 0.523 | ng    | 0.00     |
|                               |        |      |          |       |       |          |
| Target Compounds              |        |      |          |       |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.189  | 88   | 38874    | 6.627 | ng    | 97       |
| 9) Naphthalene                | 10.573 | 128  | 1705     | 0.042 | ng    | # 86     |
| 12) 2-Methylnaphthalene       | 12.197 | 142  | 1228     | 0.047 | ng    | # 93     |
| 16) Acenaphthylene            | 14.110 | 152  | 1099     | 0.032 | ng    | # 93     |
| 17) Acenaphthene              | 14.452 | 154  | 646      | 0.027 | ng    | 94       |
| 18) Fluorene                  | 15.446 | 166  | 1725     | 0.056 | ng    | 99       |
| 21) 4-Bromophenyl-phenylether | 16.342 | 248  | 799      | 0.084 | ng    | 99       |
| 22) Hexachlorobenzene         | 16.453 | 284  | 661      | 0.058 | ng    | 90       |
| 24) Pentachlorophenol         | 16.801 | 266  | 321      | 0.072 | ng    | 98       |
| 25) Phenanthrene              | 17.186 | 178  | 4280     | 0.096 | ng    | 99       |
| 26) Anthracene                | 17.273 | 178  | 2317     | 0.060 | ng    | 99       |
| 28) Fluoranthene              | 19.211 | 202  | 1936     | 0.041 | ng    | # 94     |
| 30) Pyrene                    | 19.573 | 202  | 1505     | 0.031 | ng    | 98       |
| 33) Chrysene                  | 21.375 | 228  | 1015     | 0.024 | ng    | # 89     |
| 34) Bis(2-ethylhexyl)phtha... | 21.268 | 149  | 2000     | 0.096 | ng    | # 99     |
| -----                         |        |      |          |       |       |          |

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

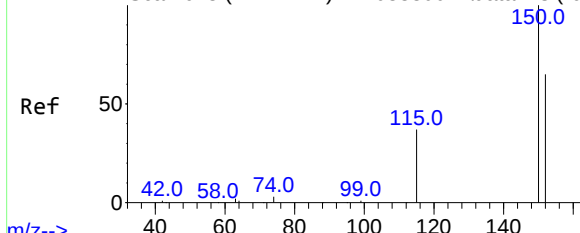
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN121225\  
Data File : BN038350.D  
Acq On : 12 Dec 2025 13:38  
Operator : RC/JU  
Sample : Q3828-05  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
RMW-03B-90-120925

Quant Time: Dec 12 14:02:10 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN121025.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Dec 10 13:56:50 2025  
Response via : Initial Calibration



Abundance Scan 643 (7.724 min): BN038300.D\data.ms (-63)



#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.717 min Scan# 64

Delta R.T. -0.007 min

Lab File: BN038350.D

Acq: 12 Dec 2025 13:38

Instrument :

BNA\_N

ClientSampleId :

RMW-03B-90-120925

Tgt Ion:152 Resp: 5116

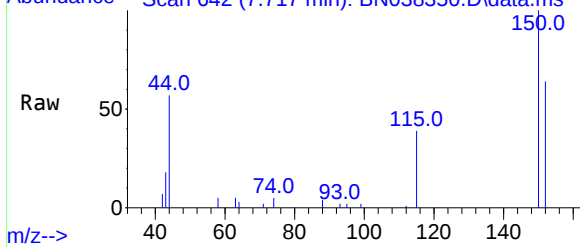
Ion Ratio Lower Upper

152 100

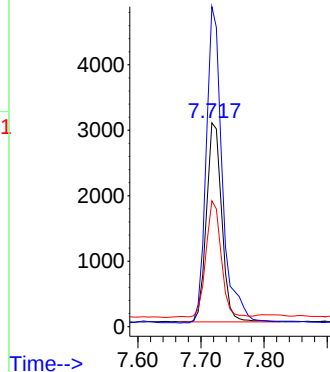
150 157.0 122.4 183.6

115 61.8 47.3 70.9

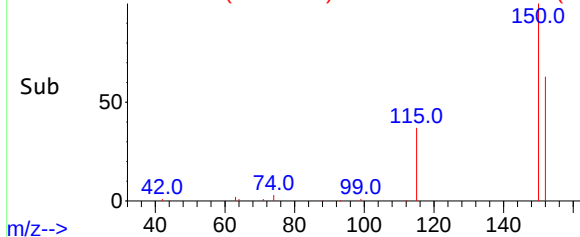
Abundance Scan 642 (7.717 min): BN038350.D\data.ms



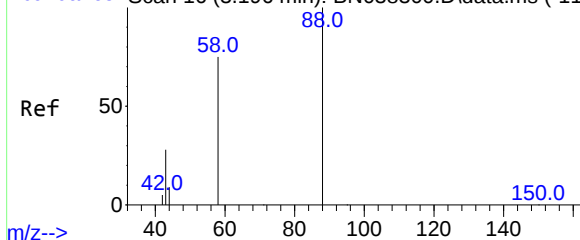
Abundance



Abundance Scan 642 (7.717 min): BN038350.D\data.ms (-61)



Abundance Scan 16 (3.196 min): BN038300.D\data.ms (-11)



#2

1,4-Dioxane

Concen: 6.627 ng

RT: 3.189 min Scan# 15

Delta R.T. -0.007 min

Lab File: BN038350.D

Acq: 12 Dec 2025 13:38

Tgt Ion: 88 Resp: 38874

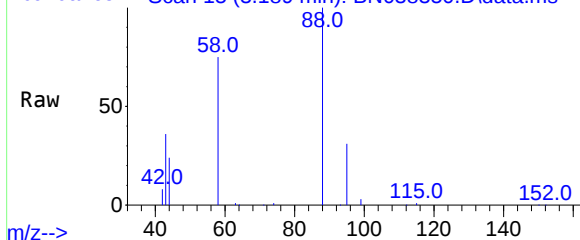
Ion Ratio Lower Upper

88 100

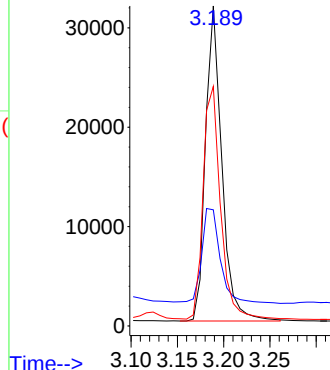
43 34.5 24.9 37.3

58 78.1 61.4 92.0

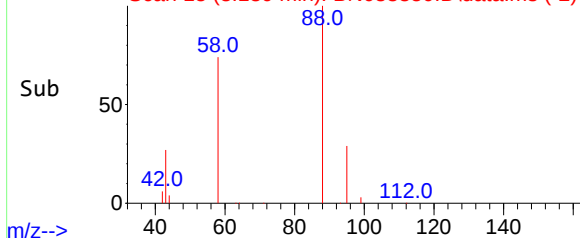
Abundance Scan 15 (3.189 min): BN038350.D\data.ms



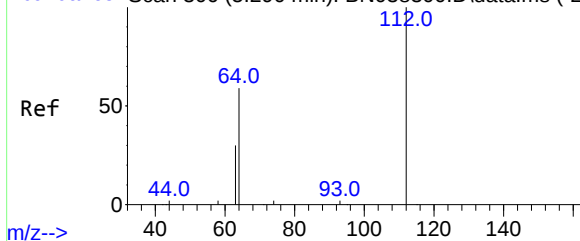
Abundance



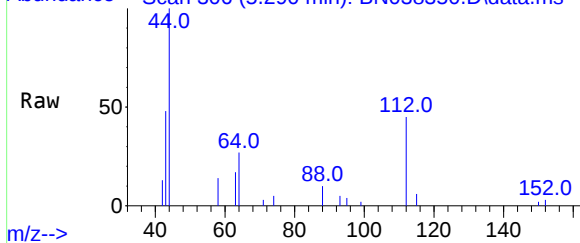
Abundance Scan 15 (3.189 min): BN038350.D\data.ms (-2)



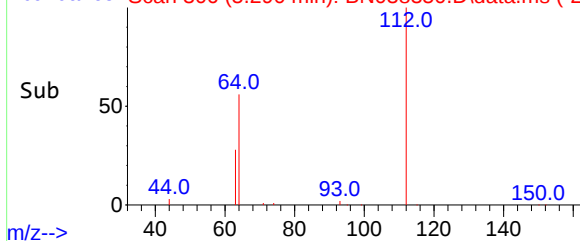
Abundance Scan 306 (5.290 min): BN038300.D\data.ms (-29



Abundance Scan 306 (5.290 min): BN038350.D\data.ms



Abundance Scan 306 (5.290 min): BN038350.D\data.ms (-27



#4

2-Fluorophenol

Concen: 0.135 ng

RT: 5.290 min Scan# 306

Delta R.T. 0.000 min

Lab File: BN038350.D

Acq: 12 Dec 2025 13:38

Instrument :

BNA\_N

ClientSampleId :

RMW-03B-90-120925

Tgt Ion:112 Resp: 1721

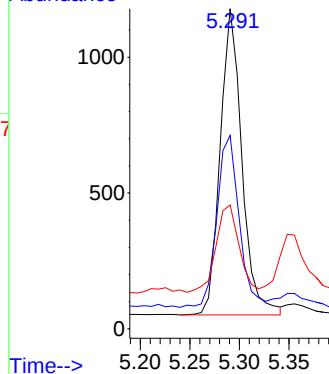
Ion Ratio Lower Upper

112 100

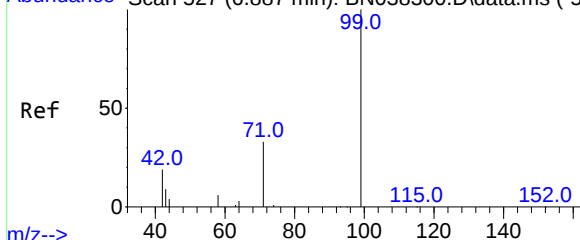
64 57.4 44.4 66.6

63 30.3 23.4 35.0

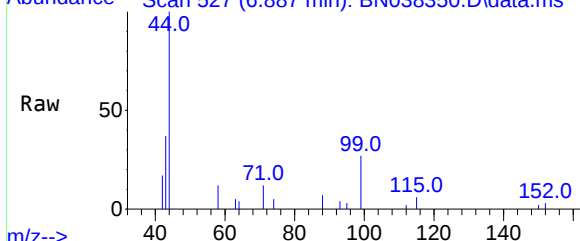
Abundance



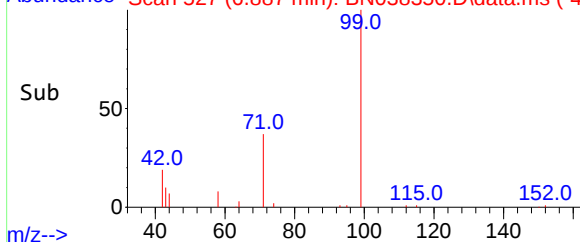
Abundance Scan 527 (6.887 min): BN038300.D\data.ms (-52



Abundance Scan 527 (6.887 min): BN038350.D\data.ms



Abundance Scan 527 (6.887 min): BN038350.D\data.ms (-49



#5

Phenol-d6

Concen: 0.082 ng

RT: 6.887 min Scan# 527

Delta R.T. 0.000 min

Lab File: BN038350.D

Acq: 12 Dec 2025 13:38

Tgt Ion: 99 Resp: 1248

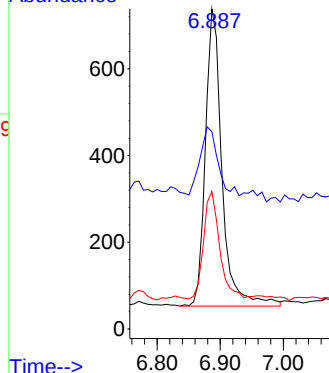
Ion Ratio Lower Upper

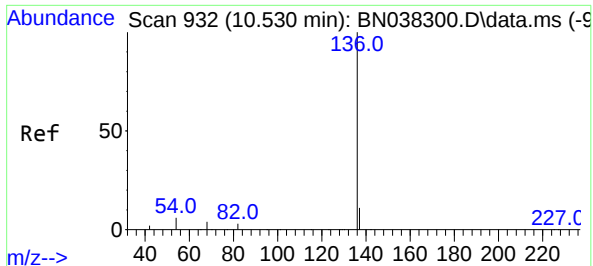
99 100

42 24.3 16.5 24.7

71 35.3 24.9 37.3

Abundance

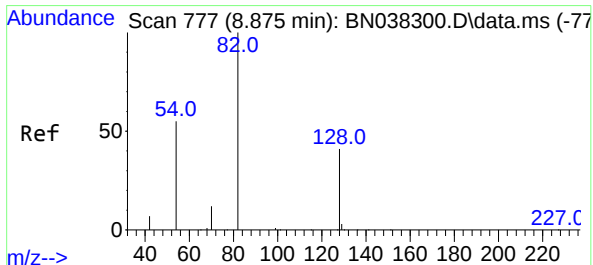
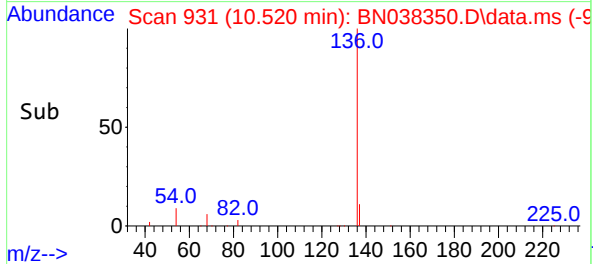
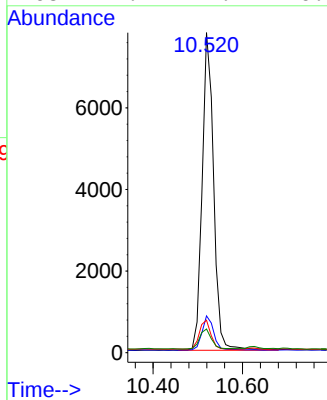
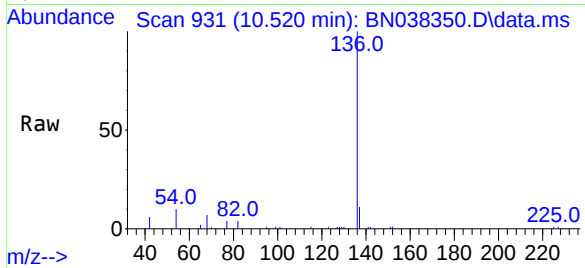




#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.520 min Scan# 911  
Delta R.T. -0.011 min  
Lab File: BN038350.D  
Acq: 12 Dec 2025 13:38

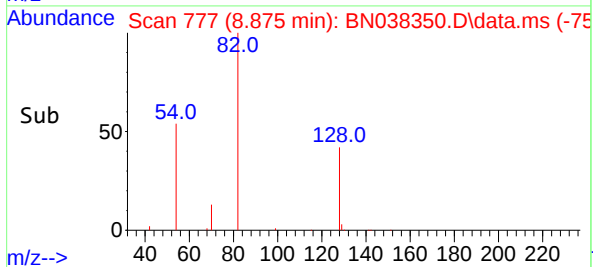
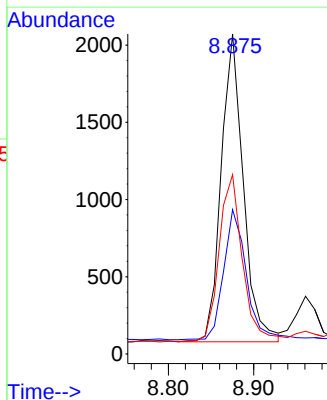
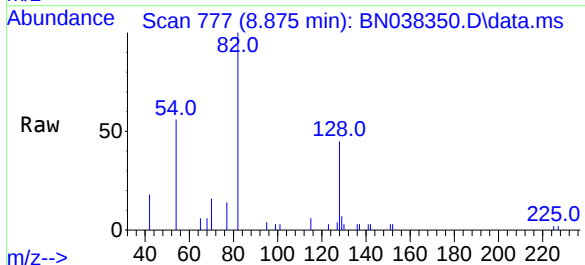
Instrument :  
BNA\_N  
ClientSampleId :  
RMW-03B-90-120925

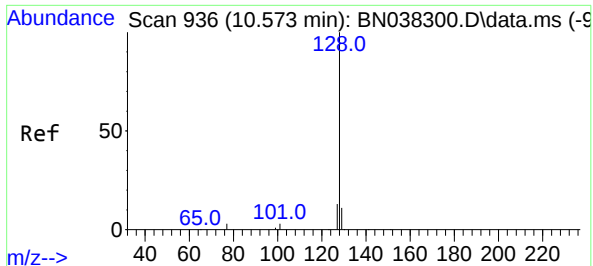
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 136   | Resp: | 13853 |
| Ion      | Ratio | Lower | Upper |
| 136      | 100   |       |       |
| 137      | 11.5  | 9.1   | 13.7  |
| 54       | 10.1  | 5.2   | 7.8#  |
| 68       | 7.4   | 4.1   | 6.1#  |



#8  
Nitrobenzene-d5  
Concen: 0.308 ng  
RT: 8.875 min Scan# 777  
Delta R.T. 0.000 min  
Lab File: BN038350.D  
Acq: 12 Dec 2025 13:38

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 82    | Resp: | 3598  |
| Ion      | Ratio | Lower | Upper |
| 82       | 100   |       |       |
| 128      | 45.1  | 34.0  | 51.0  |
| 54       | 56.0  | 44.4  | 66.6  |

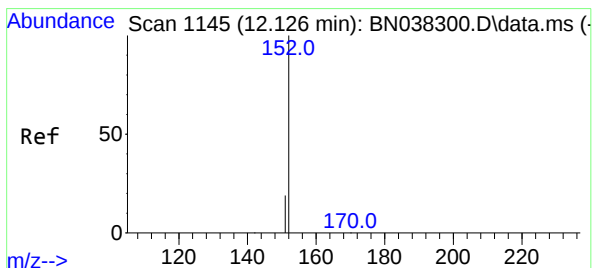
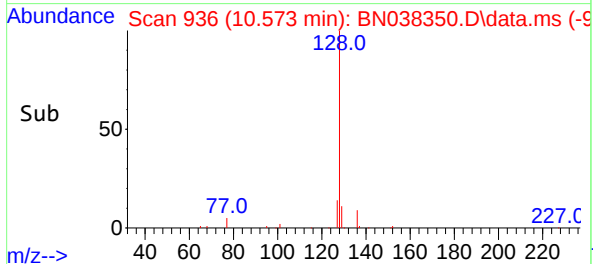
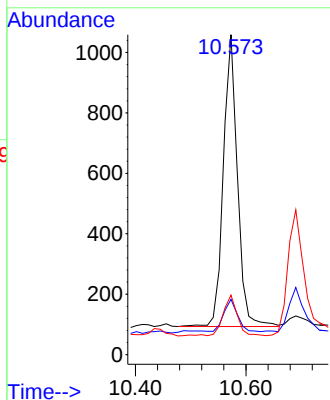
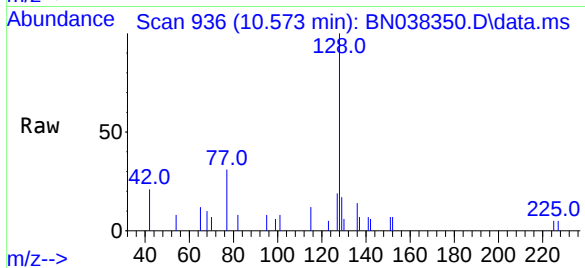




#9  
Naphthalene  
Concen: 0.042 ng  
RT: 10.573 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: BN038350.D  
Acq: 12 Dec 2025 13:38

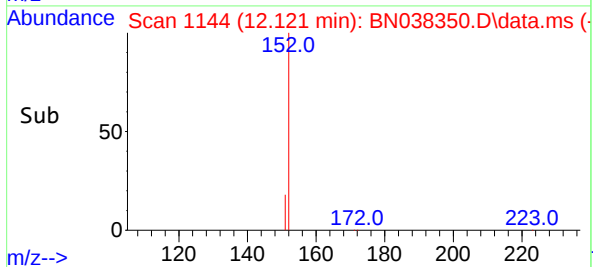
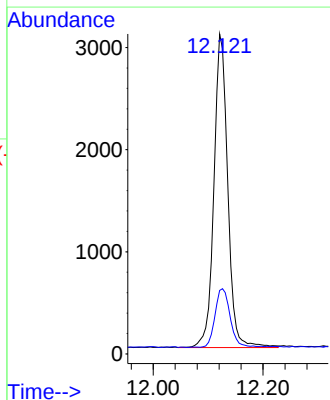
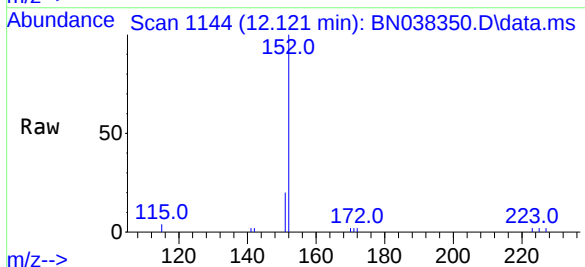
Instrument :  
BNA\_N  
ClientSampleId :  
RMW-03B-90-120925

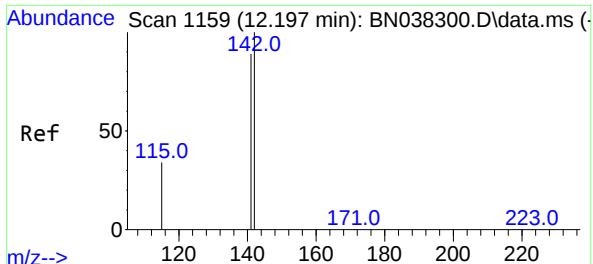
Tgt Ion:128 Resp: 1705  
Ion Ratio Lower Upper  
128 100  
129 17.3 9.1 13.7#  
127 18.6 10.9 16.3#



#11  
2-Methylnaphthalene-d10  
Concen: 0.274 ng  
RT: 12.121 min Scan# 1144  
Delta R.T. -0.005 min  
Lab File: BN038350.D  
Acq: 12 Dec 2025 13:38

Tgt Ion:152 Resp: 5354  
Ion Ratio Lower Upper  
152 100  
151 20.6 17.0 25.6

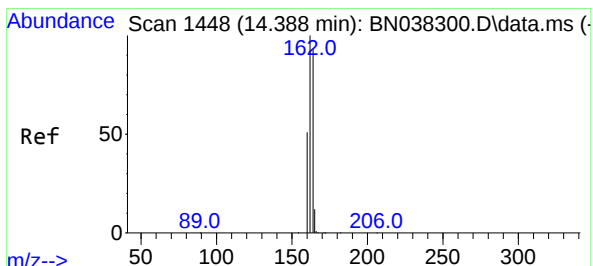
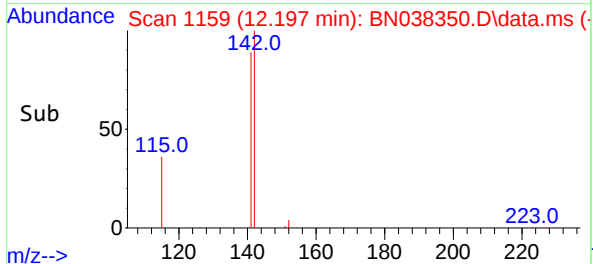
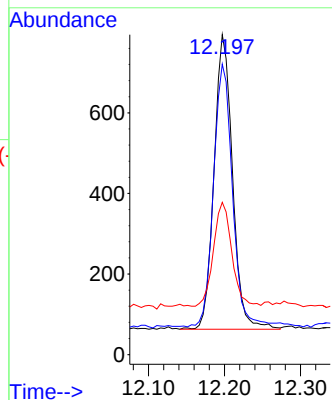
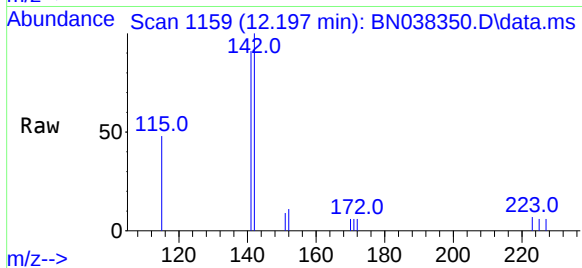




#12  
2-Methylnaphthalene  
Concen: 0.047 ng  
RT: 12.197 min Scan# 1159  
Delta R.T. -0.005 min  
Lab File: BN038350.D  
Acq: 12 Dec 2025 13:38

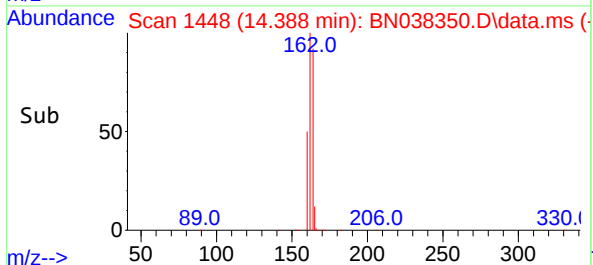
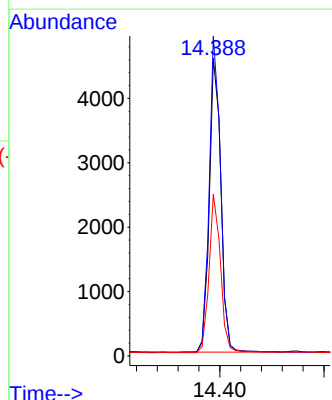
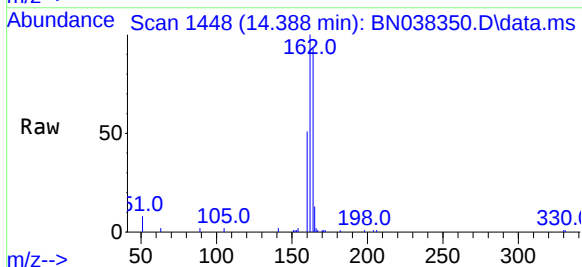
Instrument :  
BNA\_N  
ClientSampleId :  
RMW-03B-90-120925

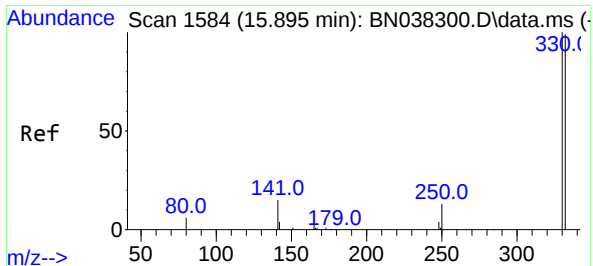
Tgt Ion:142 Resp: 1228  
Ion Ratio Lower Upper  
142 100  
141 90.8 71.4 107.2  
115 47.6 28.4 42.6#



#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.388 min Scan# 1448  
Delta R.T. -0.011 min  
Lab File: BN038350.D  
Acq: 12 Dec 2025 13:38

Tgt Ion:164 Resp: 6995  
Ion Ratio Lower Upper  
164 100  
162 107.5 86.2 129.4  
160 54.3 44.6 67.0





#14

2,4,6-Tribromophenol

Concen: 0.304 ng

RT: 15.895 min Scan# 1584

Delta R.T. 0.000 min

Lab File: BN038350.D

Acq: 12 Dec 2025 13:38

Instrument :

BNA\_N

ClientSampleId :

RMW-03B-90-120925

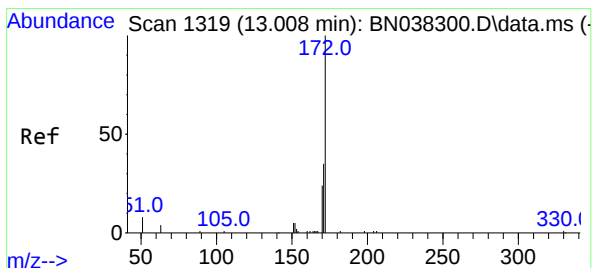
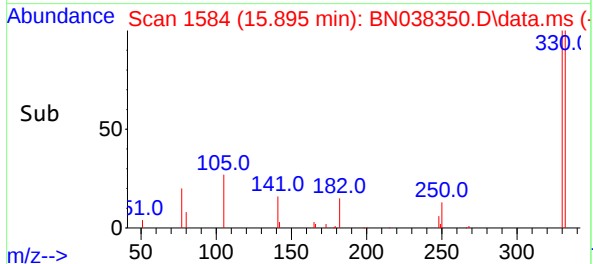
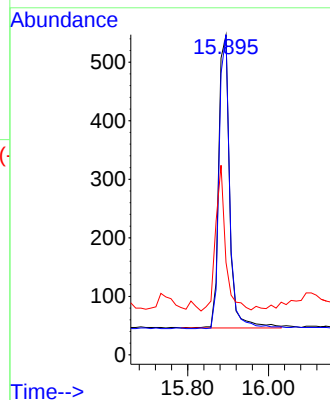
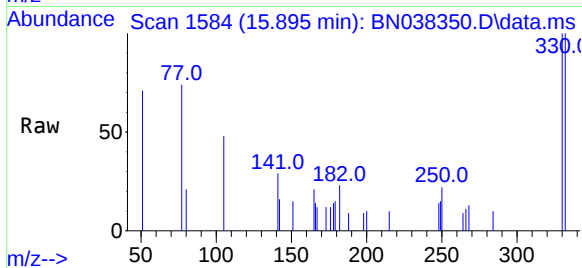
Tgt Ion:330 Resp: 944

Ion Ratio Lower Upper

330 100

332 96.8 75.8 113.6

141 45.2 31.8 47.8



#15

2-Fluorobiphenyl

Concen: 0.374 ng

RT: 13.008 min Scan# 1319

Delta R.T. 0.000 min

Lab File: BN038350.D

Acq: 12 Dec 2025 13:38

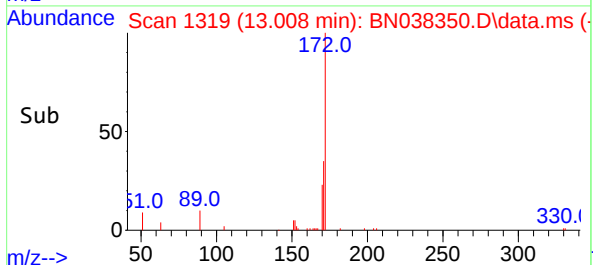
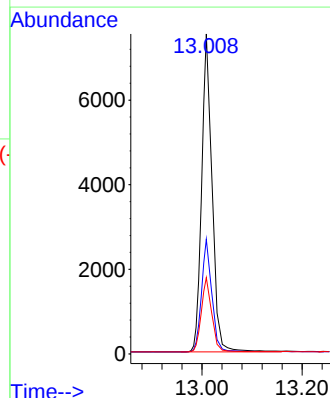
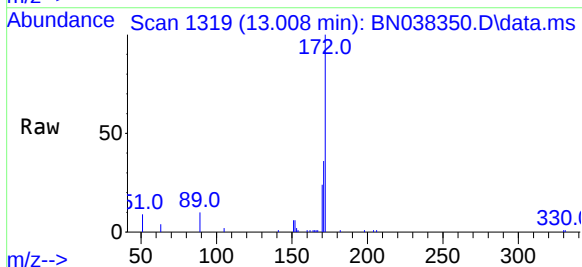
Tgt Ion:172 Resp: 12597

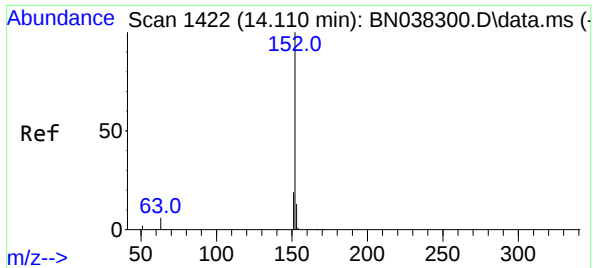
Ion Ratio Lower Upper

172 100

171 35.8 28.6 42.8

170 23.8 19.3 28.9

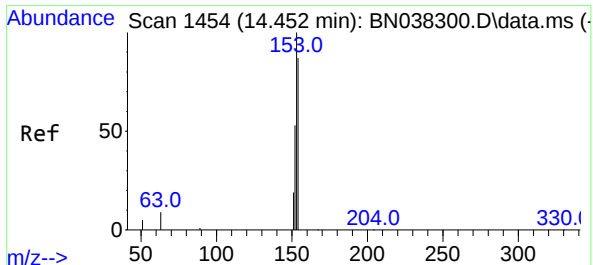
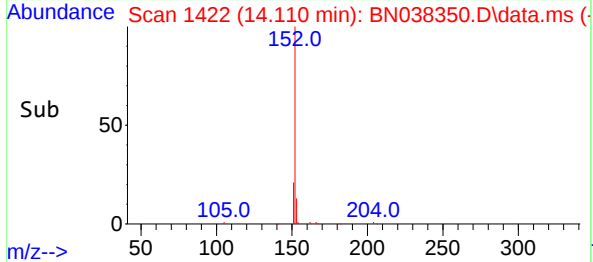
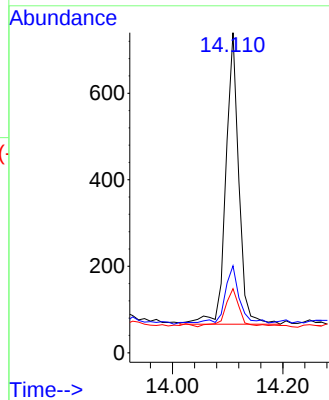
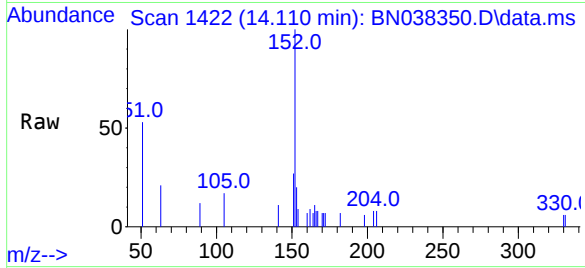




#16  
Acenaphthylene  
Concen: 0.032 ng  
RT: 14.110 min Scan# 1422  
Delta R.T. 0.000 min  
Lab File: BN038350.D  
Acq: 12 Dec 2025 13:38

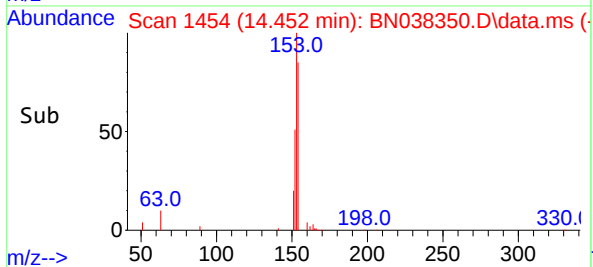
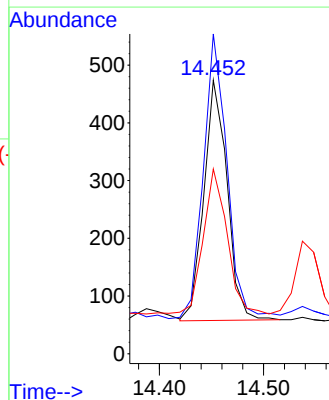
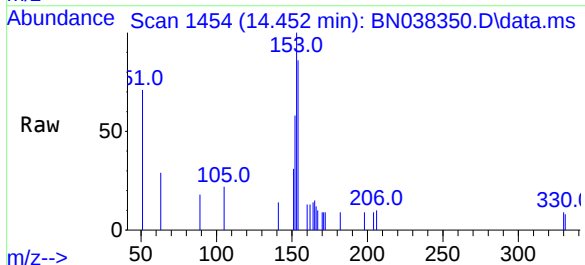
Instrument :  
BNA\_N  
ClientSampleId :  
RMW-03B-90-120925

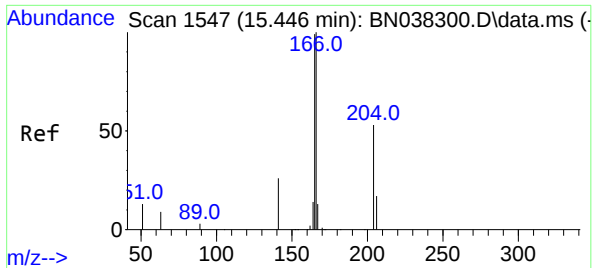
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 23.7  | 15.4  | 23.2# |
| 153     | 14.1  | 10.2  | 15.4  |



#17  
Acenaphthene  
Concen: 0.027 ng  
RT: 14.452 min Scan# 1454  
Delta R.T. -0.011 min  
Lab File: BN038350.D  
Acq: 12 Dec 2025 13:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 119.8 | 89.8  | 134.8 |
| 152     | 62.1  | 47.5  | 71.3  |

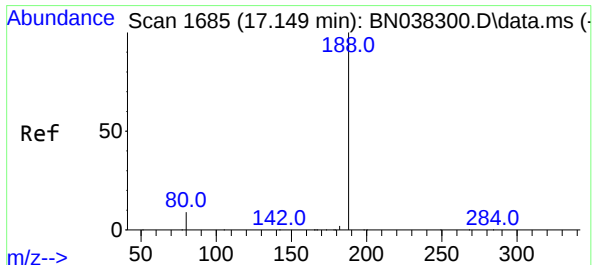
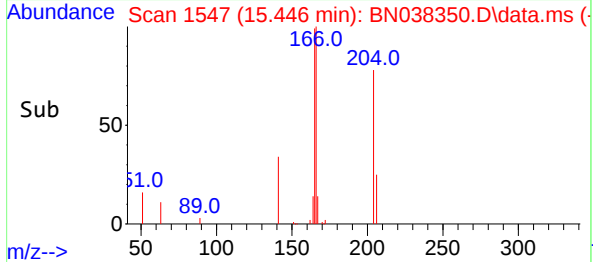
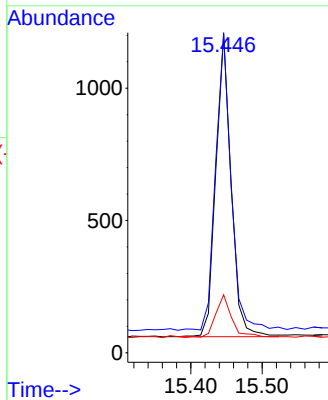
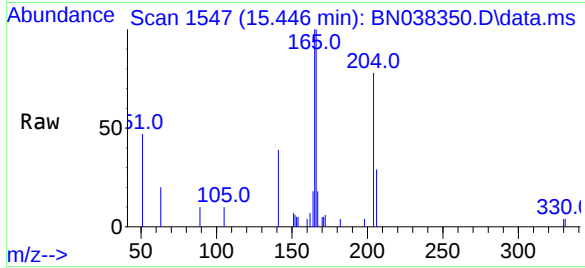




#18  
Fluorene  
Concen: 0.056 ng  
RT: 15.446 min Scan# 1547  
Delta R.T. -0.000 min  
Lab File: BN038350.D  
Acq: 12 Dec 2025 13:38

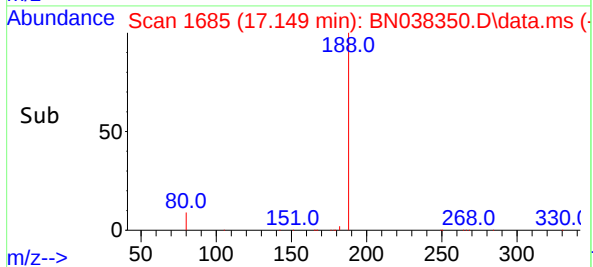
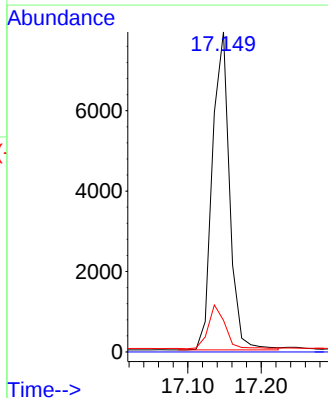
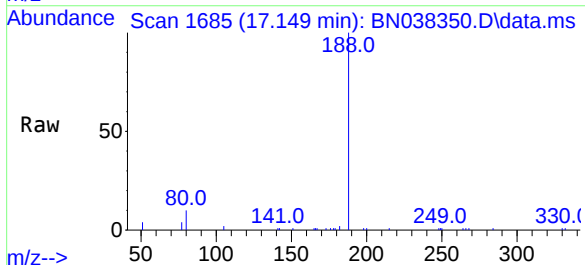
Instrument :  
BNA\_N  
ClientSampleId :  
RMW-03B-90-120925

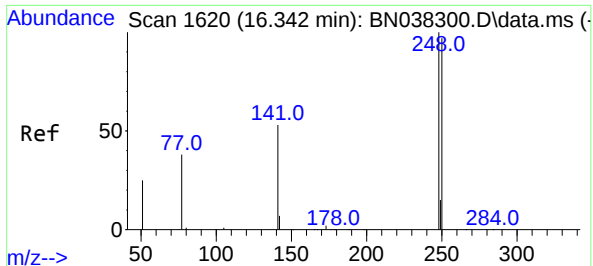
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 166   | Resp: | 1725  |
| Ion      | Ratio | Lower | Upper |
| 166      | 100   |       |       |
| 165      | 99.7  | 80.2  | 120.4 |
| 167      | 15.8  | 10.6  | 16.0  |



#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.149 min Scan# 1685  
Delta R.T. 0.000 min  
Lab File: BN038350.D  
Acq: 12 Dec 2025 13:38

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 188   | Resp: | 12856 |
| Ion      | Ratio | Lower | Upper |
| 188      | 100   |       |       |
| 94       | 0.0   | 0.0   | 0.0   |
| 80       | 9.9   | 7.4   | 11.0  |

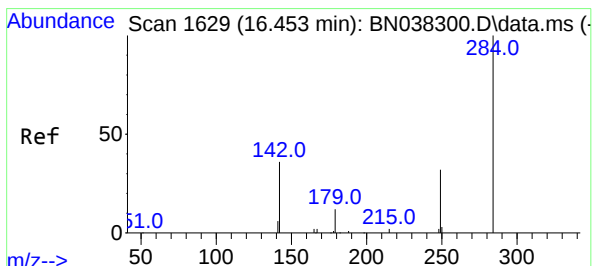
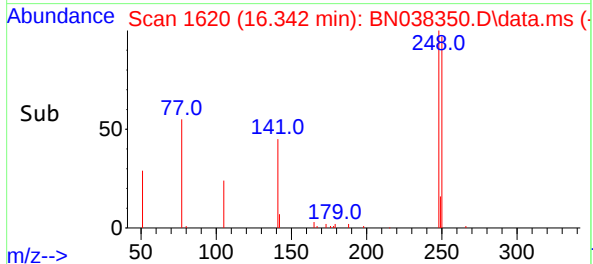
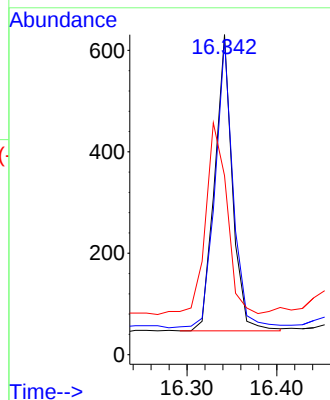
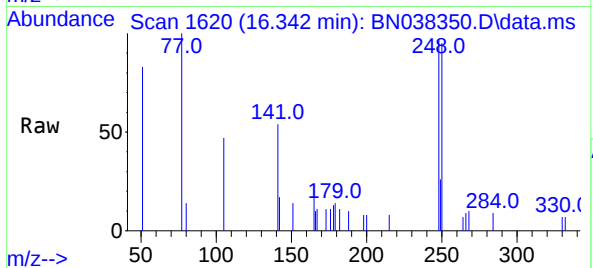




#21  
4-Bromophenyl-phenylether  
Concen: 0.084 ng  
RT: 16.342 min Scan# 1620  
Delta R.T. -0.000 min  
Lab File: BN038350.D  
Acq: 12 Dec 2025 13:38

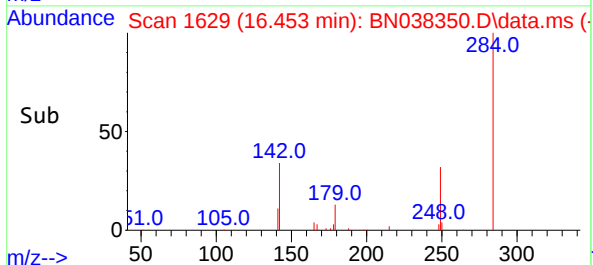
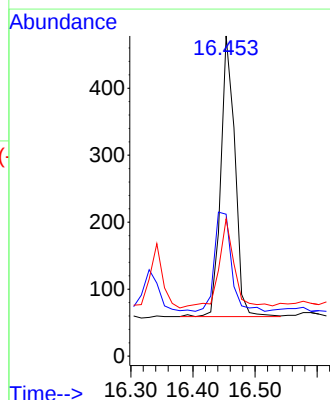
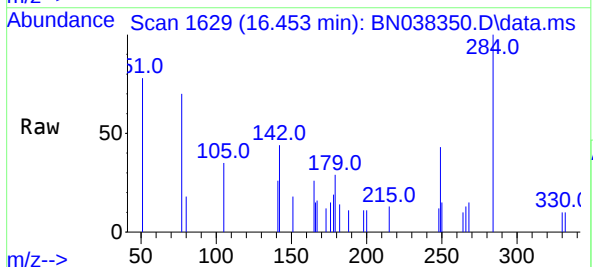
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RMW-03B-90-120925

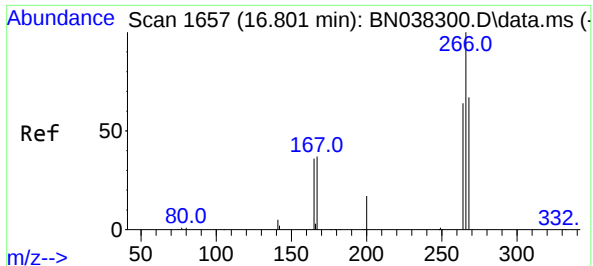
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 248   | Resp: | 799   |
| Ion      | Ratio | Lower | Upper |
| 248      | 100   |       |       |
| 250      | 98.4  | 78.2  | 117.2 |
| 141      | 55.9  | 43.7  | 65.5  |



#22  
Hexachlorobenzene  
Concen: 0.058 ng  
RT: 16.453 min Scan# 1629  
Delta R.T. -0.012 min  
Lab File: BN038350.D  
Acq: 12 Dec 2025 13:38

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 284   | Resp: | 661   |
| Ion      | Ratio | Lower | Upper |
| 284      | 100   |       |       |
| 142      | 42.4  | 29.5  | 44.3  |
| 249      | 34.9  | 23.7  | 35.5  |

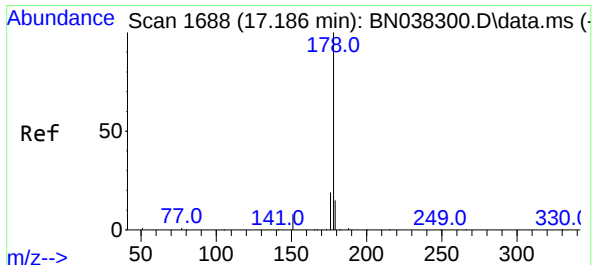
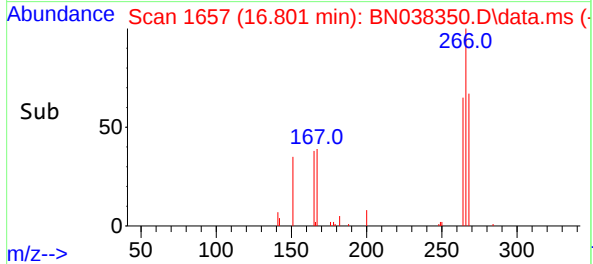
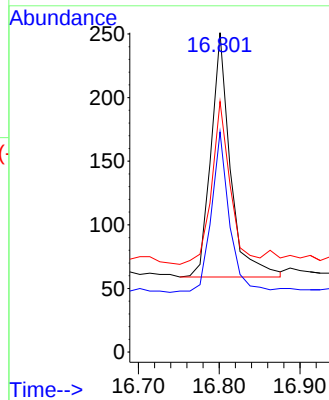
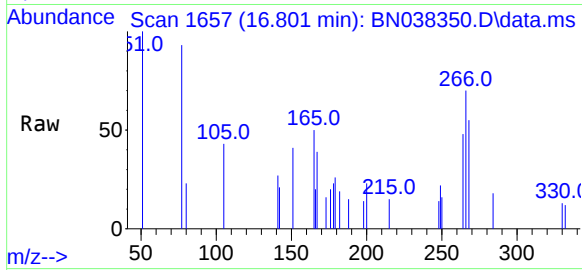




#24  
Pentachlorophenol  
Concen: 0.072 ng  
RT: 16.801 min Scan# 1657  
Delta R.T. 0.000 min  
Lab File: BN038350.D  
Acq: 12 Dec 2025 13:38

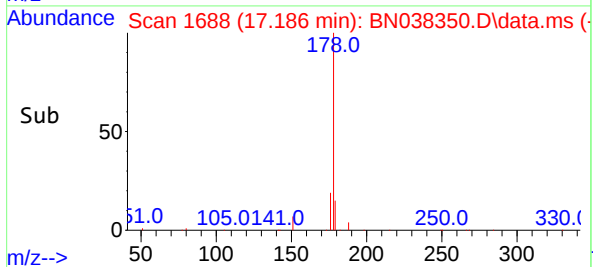
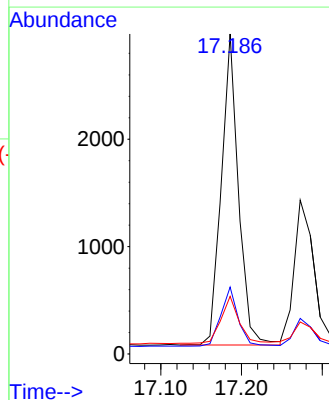
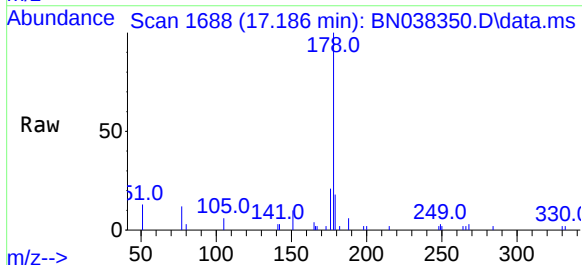
Instrument :  
BNA\_N  
ClientSampleId :  
RMW-03B-90-120925

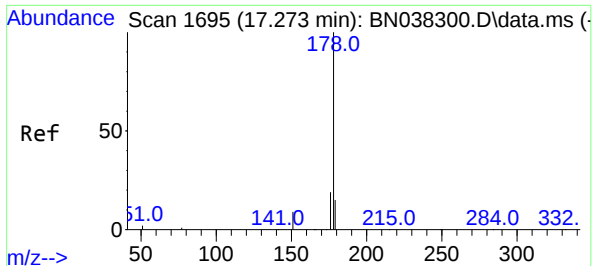
Tgt Ion:266 Resp: 321  
Ion Ratio Lower Upper  
266 100  
264 63.2 50.2 75.2  
268 63.6 52.6 78.8



#25  
Phenanthrene  
Concen: 0.096 ng  
RT: 17.186 min Scan# 1688  
Delta R.T. 0.000 min  
Lab File: BN038350.D  
Acq: 12 Dec 2025 13:38

Tgt Ion:178 Resp: 4280  
Ion Ratio Lower Upper  
178 100  
176 19.1 15.5 23.3  
179 16.2 12.2 18.2

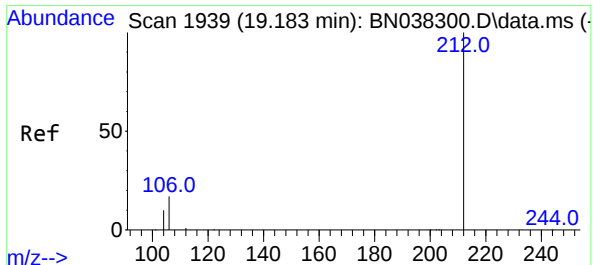
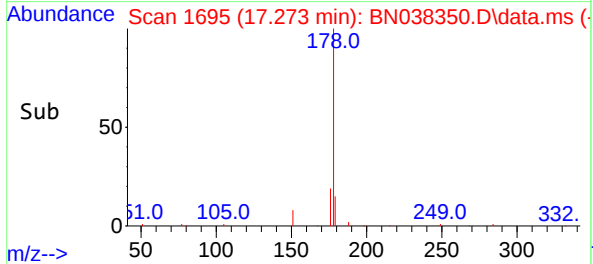
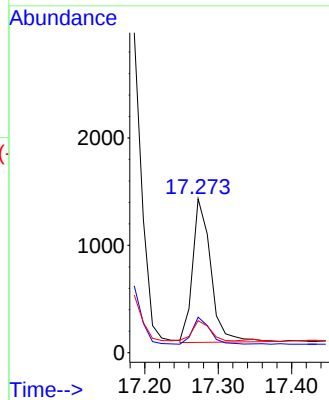
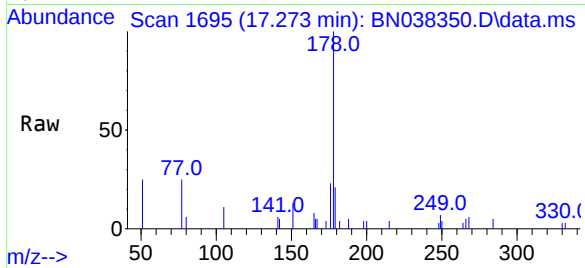




#26  
Anthracene  
Concen: 0.060 ng  
RT: 17.273 min Scan# 1695  
Delta R.T. -0.012 min  
Lab File: BN038350.D  
Acq: 12 Dec 2025 13:38

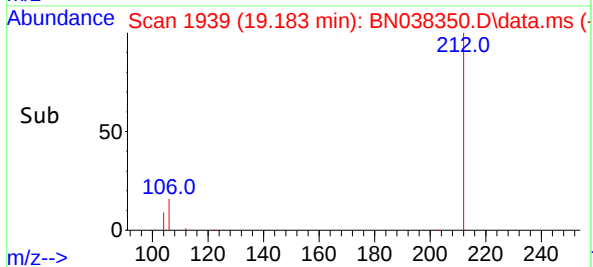
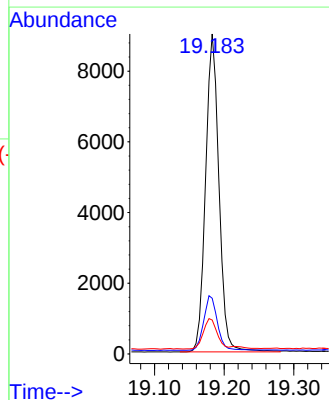
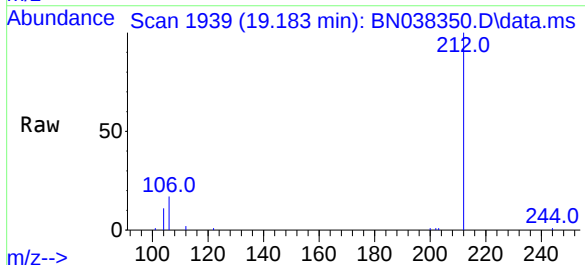
Instrument :  
BNA\_N  
ClientSampleId :  
RMW-03B-90-120925

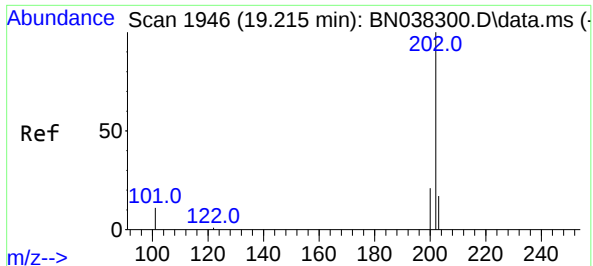
Tgt Ion:178 Resp: 2317  
Ion Ratio Lower Upper  
178 100  
176 18.0 15.1 22.7  
179 15.1 12.0 18.0



#27  
Fluoranthene-d10  
Concen: 0.378 ng  
RT: 19.183 min Scan# 1939  
Delta R.T. -0.005 min  
Lab File: BN038350.D  
Acq: 12 Dec 2025 13:38

Tgt Ion:212 Resp: 12016  
Ion Ratio Lower Upper  
212 100  
106 17.5 13.7 20.5  
104 9.8 7.8 11.8

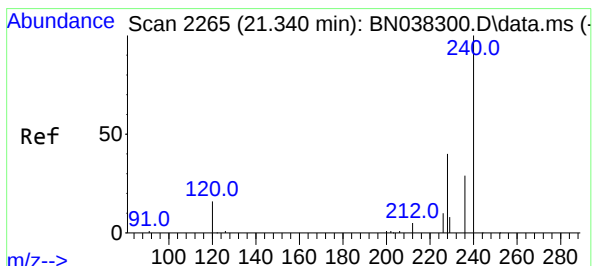
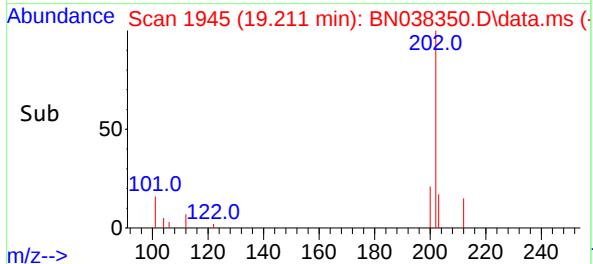
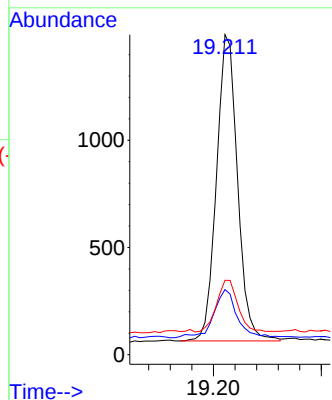
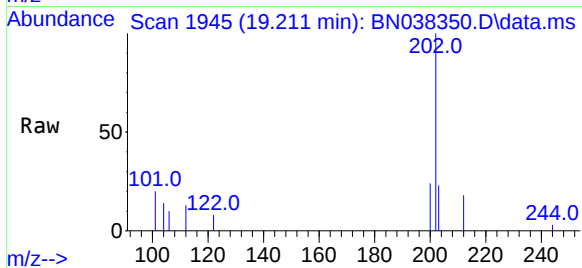




#28  
Fluoranthene  
Concen: 0.041 ng  
RT: 19.211 min Scan# 1945  
Delta R.T. -0.009 min  
Lab File: BN038350.D  
Acq: 12 Dec 2025 13:38

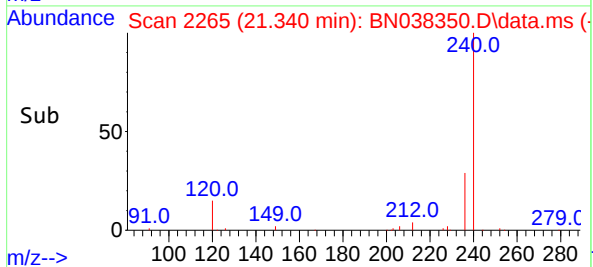
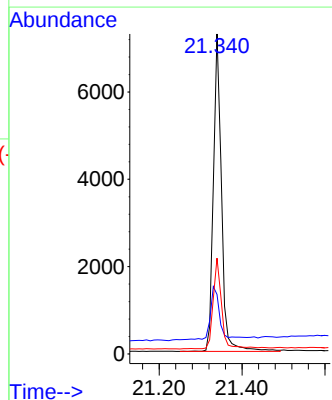
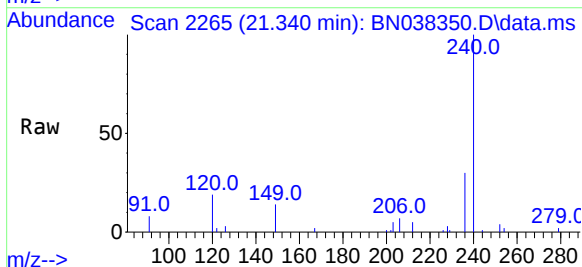
Instrument :  
BNA\_N  
ClientSampleId :  
RMW-03B-90-120925

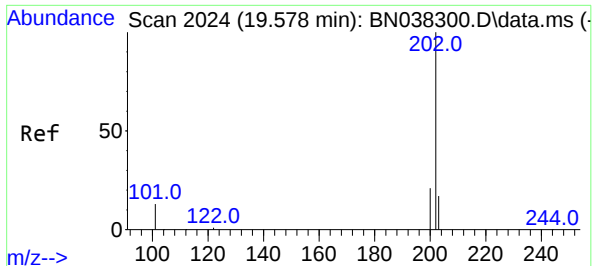
Tgt Ion:202 Resp: 1936  
Ion Ratio Lower Upper  
202 100  
101 17.6 9.6 14.4#  
203 17.1 13.5 20.3



#29  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.340 min Scan# 2265  
Delta R.T. 0.000 min  
Lab File: BN038350.D  
Acq: 12 Dec 2025 13:38

Tgt Ion:240 Resp: 9842  
Ion Ratio Lower Upper  
240 100  
120 18.6 15.4 23.2  
236 29.9 23.9 35.9

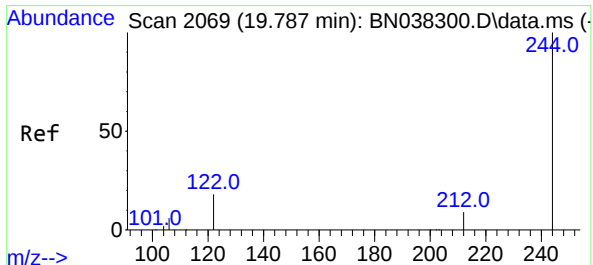
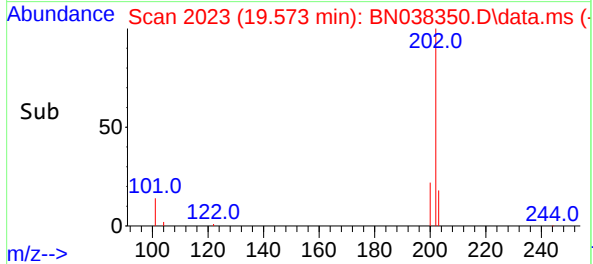
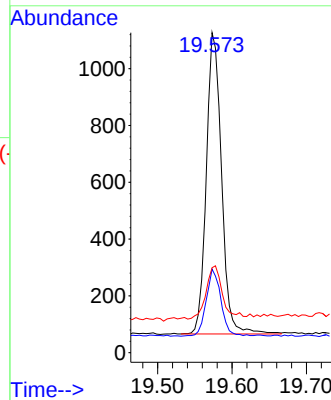
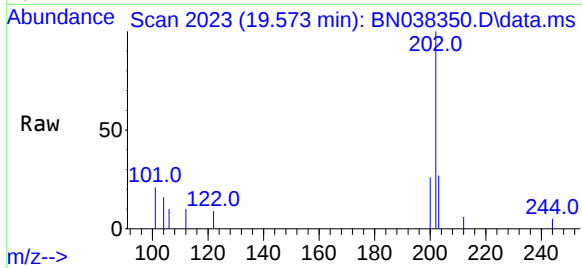




#30  
Pyrene  
Concen: 0.031 ng  
RT: 19.573 min Scan# 2023  
Delta R.T. -0.009 min  
Lab File: BN038350.D  
Acq: 12 Dec 2025 13:38

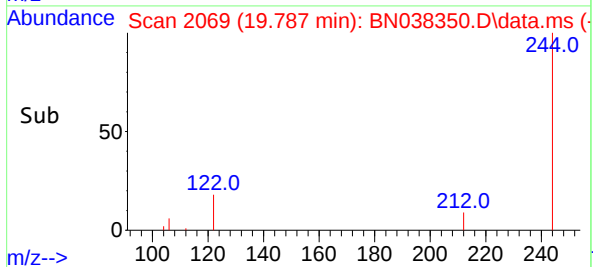
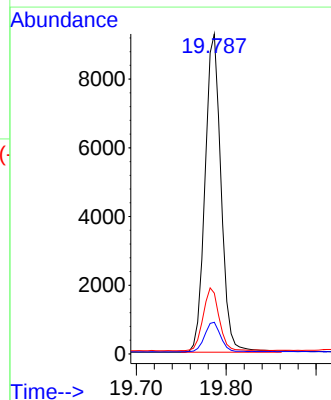
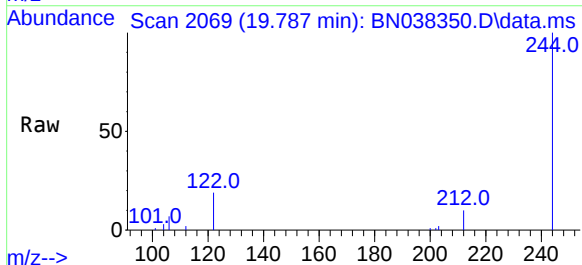
Instrument :  
BNA\_N  
ClientSampleId :  
RMW-03B-90-120925

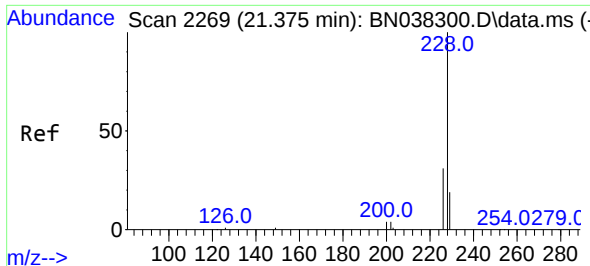
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 202   | Resp: | 1505  |
| Ion      | Ratio | Lower | Upper |
| 202      | 100   |       |       |
| 200      | 21.6  | 16.9  | 25.3  |
| 203      | 19.5  | 14.2  | 21.2  |



#31  
Terphenyl-d14  
Concen: 0.523 ng  
RT: 19.787 min Scan# 2069  
Delta R.T. -0.005 min  
Lab File: BN038350.D  
Acq: 12 Dec 2025 13:38

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 244   | Resp: | 11495 |
| Ion      | Ratio | Lower | Upper |
| 244      | 100   |       |       |
| 212      | 9.9   | 7.9   | 11.9  |
| 122      | 19.0  | 15.0  | 22.6  |

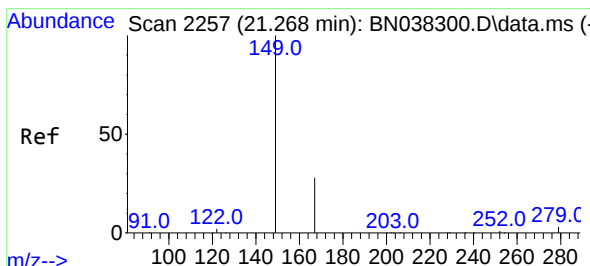
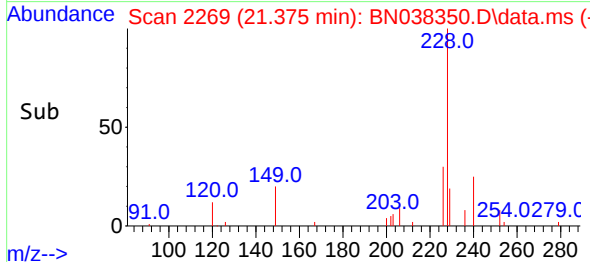
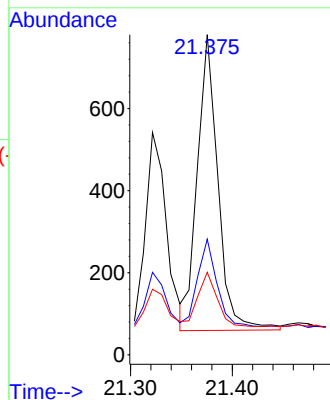
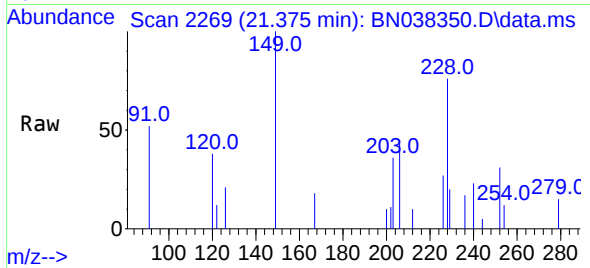




#33  
Chrysene  
Concen: 0.024 ng  
RT: 21.375 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: BN038350.D  
Acq: 12 Dec 2025 13:38

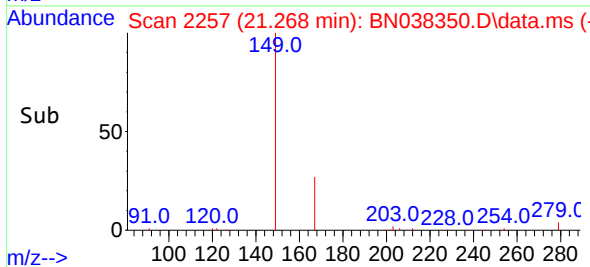
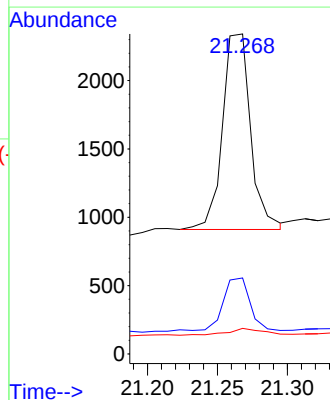
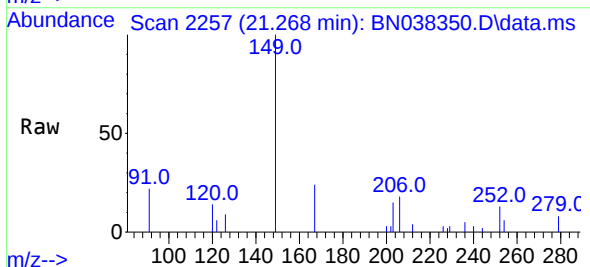
Instrument :  
BNA\_N  
ClientSampleId :  
RMW-03B-90-120925

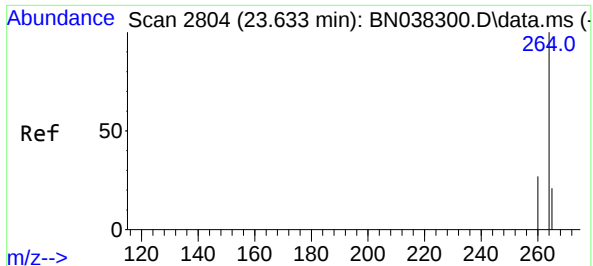
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 36.2  | 25.0  | 37.4  |
| 229     | 25.8  | 15.5  | 23.3  |



#34  
Bis(2-ethylhexyl)phthalate  
Concen: 0.096 ng  
RT: 21.268 min Scan# 2257  
Delta R.T. 0.000 min  
Lab File: BN038350.D  
Acq: 12 Dec 2025 13:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 26.4  | 21.4  | 32.0  |
| 279     | 4.6   | 2.4   | 3.6   |





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.630 min Scan# 21

Delta R.T. -0.003 min

Lab File: BN038350.D

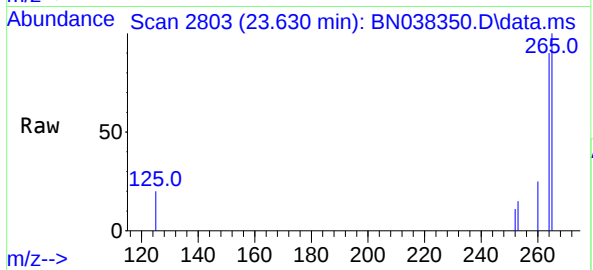
Acq: 12 Dec 2025 13:38

Instrument :

BNA\_N

ClientSampleId :

RMW-03B-90-120925



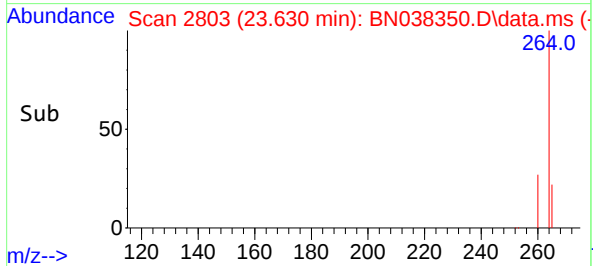
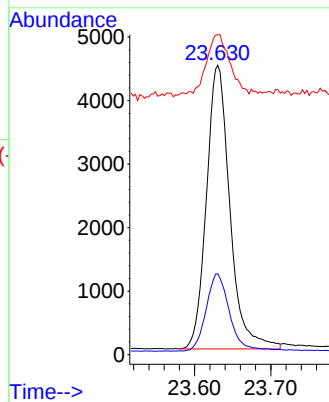
Tgt Ion:264 Resp: 9541

Ion Ratio Lower Upper

264 100

260 27.9 22.2 33.2

265 110.6 80.2 120.2





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

## Report of Analysis

|                    |                                           |                 |                |
|--------------------|-------------------------------------------|-----------------|----------------|
| Client:            | JACOBS Engineering Group, Inc.            | Date Collected: | 12/09/25       |
| Project:           | Former Schlumberger STC PTC Site D3868221 | Date Received:  | 12/09/25       |
| Client Sample ID:  | RMW-03B-90-120925DL                       | SDG No.:        | Q3828          |
| Lab Sample ID:     | Q3828-05DL                                | Matrix:         | Water          |
| Analytical Method: | SW8270ESIM Level: LOW                     | % Solid:        | 0              |
| Sample Wt/Vol:     | 1000 mL Final Vol: 1000 uL                | Test:           | SVOC-SIMGroup1 |
| Prep Method :      | 3510C Prep Date: 12/11/25                 |                 |                |

| CAS Number                | Parameter               | Conc.             | Qua. | DF | MDL                 | LOQ / CRQL | Units    | Date Ana.      | Prep BatchID |
|---------------------------|-------------------------|-------------------|------|----|---------------------|------------|----------|----------------|--------------|
| <b>TARGETS</b>            |                         |                   |      |    |                     |            |          |                |              |
| 123-91-1                  | 1,4-Dioxane             | 6.40              | D    | 5  | 0.33                | 1.00       | ug/L     | 12/13/25 12:16 | PB170912     |
| <b>SURROGATES</b>         |                         |                   |      |    |                     |            |          |                |              |
| 7297-45-2                 | 2-Methylnaphthalene-d10 | 0.27              |      |    | 30 (47) - 150 (106) | 66%        | SPK: 0.4 |                |              |
| 93951-69-0                | Fluoranthene-d10        | 0.36              |      |    | 30 (54) - 150 (157) | 90%        | SPK: 0.4 |                |              |
| 4165-60-0                 | Nitrobenzene-d5         | 0.28              |      |    | 30 (56) - 130 (116) | 70%        | SPK: 0.4 |                |              |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.42              |      |    | 30 (50) - 130 (126) | 105%       | SPK: 0.4 |                |              |
| 1718-51-0                 | Terphenyl-d14           | 0.55              | *    |    | 30 (54) - 130 (175) | 136%       | SPK: 0.4 |                |              |
| <b>INTERNAL STANDARDS</b> |                         |                   |      |    |                     |            |          |                |              |
|                           |                         | <b>Area Count</b> |      |    |                     |            |          |                |              |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 6070              |      |    |                     |            |          |                |              |
| 1146-65-2                 | Naphthalene-d8          | 16100             |      |    |                     |            |          |                |              |
| 15067-26-2                | Acenaphthene-d10        | 8440              |      |    |                     |            |          |                |              |
| 1517-22-2                 | Phenanthrene-d10        | 15700             |      |    |                     |            |          |                |              |
| 1719-03-5                 | Chrysene-d12            | 11900             |      |    |                     |            |          |                |              |
| 1520-96-3                 | Perylene-d12            | 12200             |      |    |                     |            |          |                |              |

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\_N\Data\BN121225\  
 Data File : BN038382.D  
 Acq On : 13 Dec 2025 12:16  
 Operator : RC/JU  
 Sample : Q3828-05DL 5X  
 Misc :  
 ALS Vial : 40 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 RMW-03B-90-120925DL

Quant Time: Dec 14 22:22:49 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN121025.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 10 13:56:50 2025  
 Response via : Initial Calibration

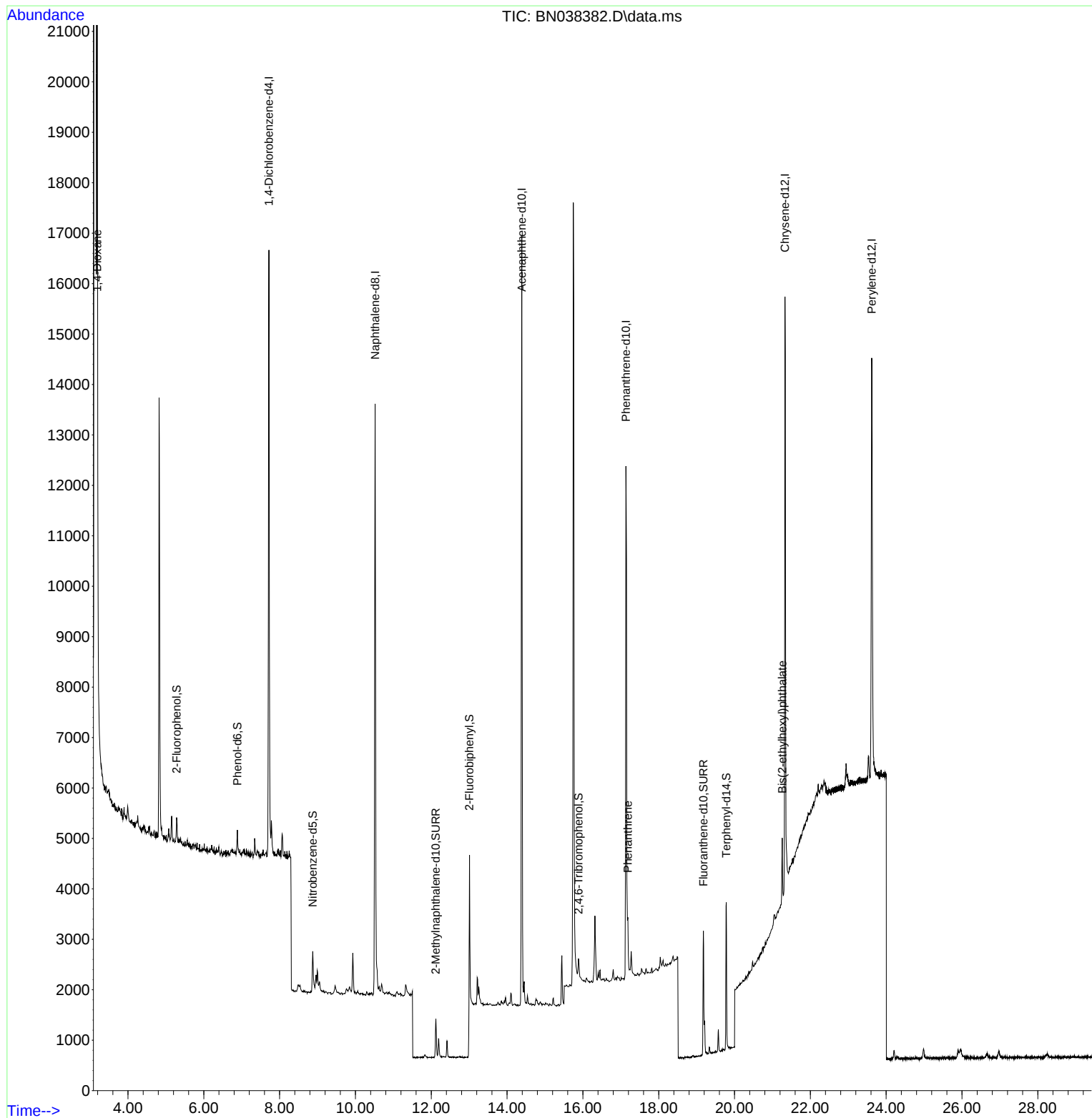
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.717  | 152  | 6069     | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.520 | 136  | 16077    | 0.400 | ng    | #-0.01   |
| 13) Acenaphthene-d10          | 14.388 | 164  | 8437     | 0.400 | ng    | -0.01    |
| 19) Phenanthrene-d10          | 17.136 | 188  | 15660    | 0.400 | ng    | #-0.01   |
| 29) Chrysene-d12              | 21.331 | 240  | 11931    | 0.400 | ng    | # 0.00   |
| 35) Perylene-d12              | 23.619 | 264  | 12174    | 0.400 | ng    | -0.01    |
|                               |        |      |          |       |       |          |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.283  | 112  | 458      | 0.030 | ng    | 0.00     |
| 5) Phenol-d6                  | 6.887  | 99   | 419      | 0.023 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 8.875  | 82   | 762      | 0.056 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10   | 12.121 | 152  | 1202     | 0.053 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 15.883 | 330  | 255      | 0.068 | ng    | -0.01    |
| 15) 2-Fluorobiphenyl          | 13.009 | 172  | 3415     | 0.084 | ng    | 0.00     |
| 27) Fluoranthene-d10          | 19.178 | 212  | 2796     | 0.072 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.782 | 244  | 2904     | 0.109 | ng    | 0.00     |
|                               |        |      |          |       |       |          |
| Target Compounds              |        |      |          |       |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.189  | 88   | 8909     | 1.280 | ng    | 96       |
| 25) Phenanthrene              | 17.186 | 178  | 1098     | 0.020 | ng    | # 95     |
| 34) Bis(2-ethylhexyl)phtha... | 21.259 | 149  | 1179     | 0.047 | ng    | # 98     |
| -----                         |        |      |          |       |       |          |

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

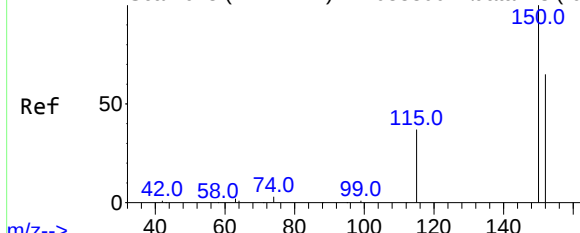
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Data File : BN038382.D  
Acq On : 13 Dec 2025 12:16  
Operator : RC/JU  
Sample : Q3828-05DL 5X  
Misc :  
ALS Vial : 40 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
RMW-03B-90-120925DL

Quant Time: Dec 14 22:22:49 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN121025.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Dec 10 13:56:50 2025  
Response via : Initial Calibration



Abundance Scan 643 (7.724 min): BN038300.D\data.ms (-63)



#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.717 min Scan# 64

Delta R.T. -0.007 min

Lab File: BN038382.D

Acq: 13 Dec 2025 12:16

Instrument :

BNA\_N

ClientSampleId :

RMW-03B-90-120925DL

Tgt Ion:152 Resp: 6069

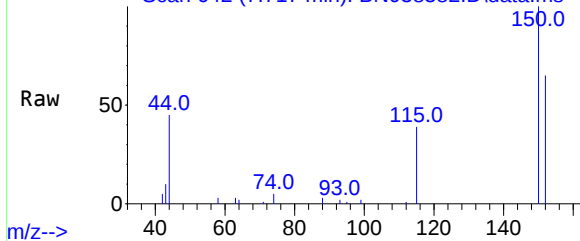
Ion Ratio Lower Upper

152 100

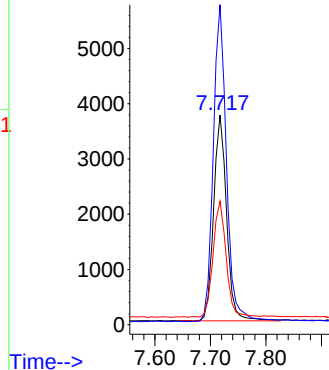
150 152.7 122.4 183.6

115 59.0 47.3 70.9

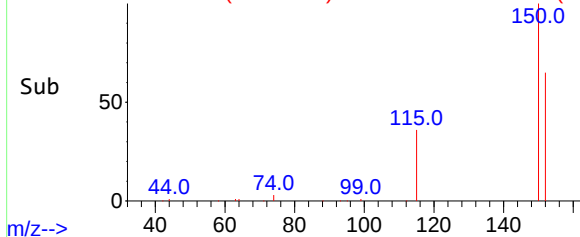
Abundance Scan 642 (7.717 min): BN038382.D\data.ms



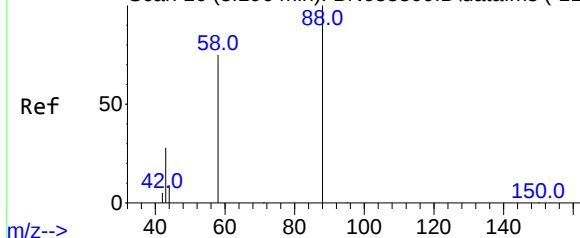
Abundance



Abundance Scan 642 (7.717 min): BN038382.D\data.ms (-61)



Abundance Scan 16 (3.196 min): BN038300.D\data.ms (-11)



#2

1,4-Dioxane

Concen: 1.280 ng

RT: 3.189 min Scan# 15

Delta R.T. -0.007 min

Lab File: BN038382.D

Acq: 13 Dec 2025 12:16

Tgt Ion: 88 Resp: 8909

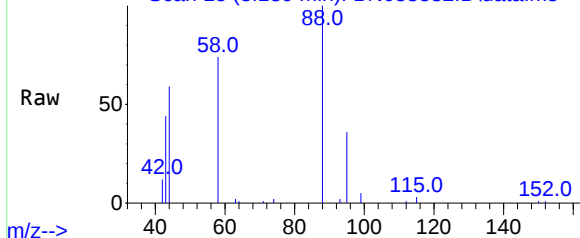
Ion Ratio Lower Upper

88 100

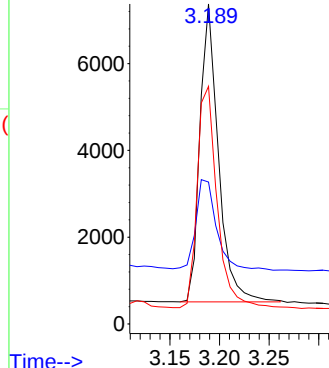
43 34.3 24.9 37.3

58 79.7 61.4 92.0

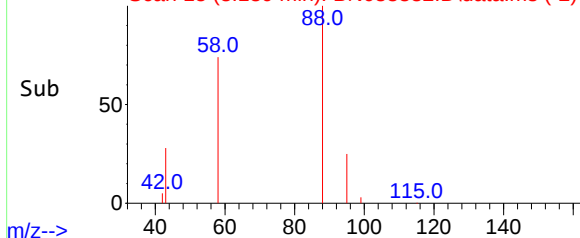
Abundance Scan 15 (3.189 min): BN038382.D\data.ms



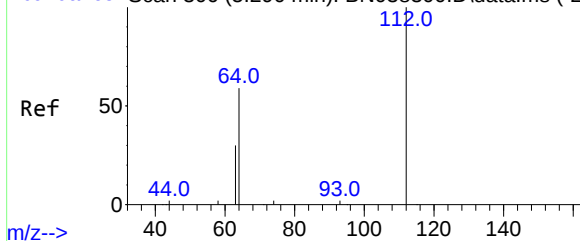
Abundance



Abundance Scan 15 (3.189 min): BN038382.D\data.ms (-2)



Abundance Scan 306 (5.290 min): BN038300.D\data.ms (-29



#4

2-Fluorophenol

Concen: 0.030 ng

RT: 5.283 min Scan# 306

Delta R.T. -0.007 min

Lab File: BN038382.D

Acq: 13 Dec 2025 12:16

Instrument :

BNA\_N

ClientSampleId :

RMW-03B-90-120925DL

Tgt Ion:112 Resp: 458

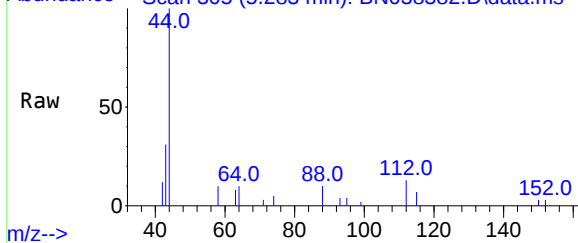
Ion Ratio Lower Upper

112 100

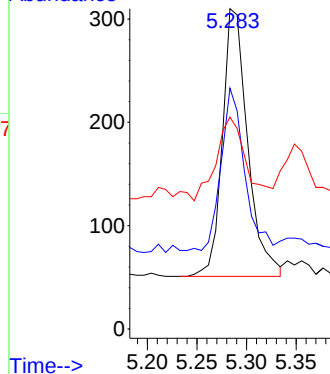
64 56.8 44.4 66.6

63 36.0 23.4 35.0#

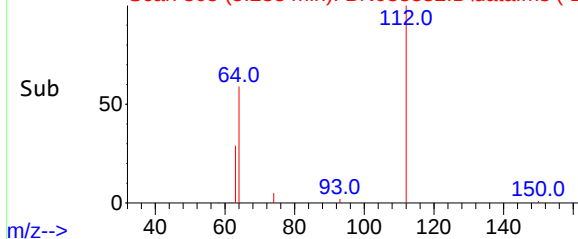
Abundance Scan 305 (5.283 min): BN038382.D\data.ms



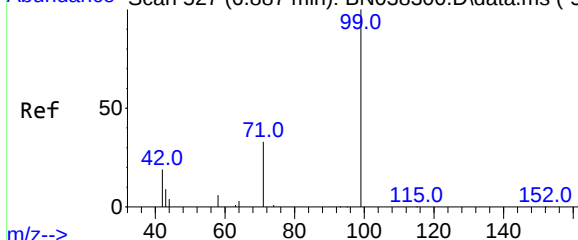
Abundance



Abundance Scan 305 (5.283 min): BN038382.D\data.ms (-27



Abundance Scan 527 (6.887 min): BN038300.D\data.ms (-52



#5

Phenol-d6

Concen: 0.023 ng

RT: 6.887 min Scan# 527

Delta R.T. 0.000 min

Lab File: BN038382.D

Acq: 13 Dec 2025 12:16

Tgt Ion: 99 Resp: 419

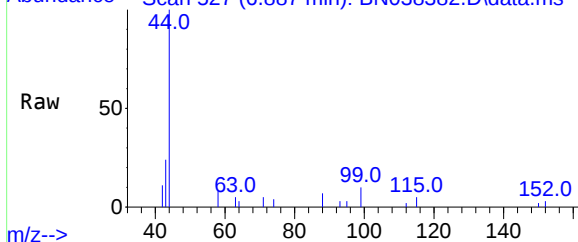
Ion Ratio Lower Upper

99 100

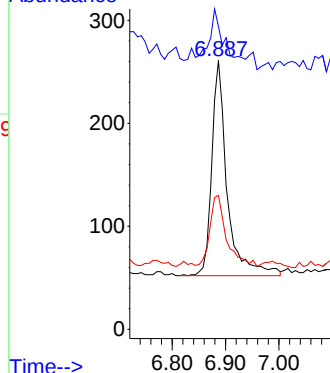
42 21.7 16.5 24.7

71 35.6 24.9 37.3

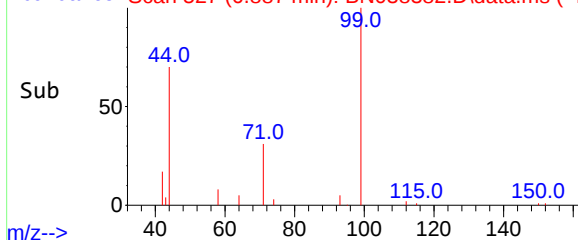
Abundance Scan 527 (6.887 min): BN038382.D\data.ms

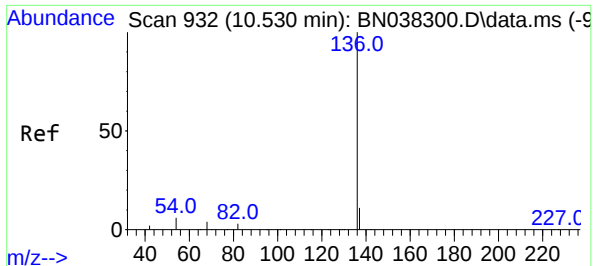


Abundance



Abundance Scan 527 (6.887 min): BN038382.D\data.ms (-49

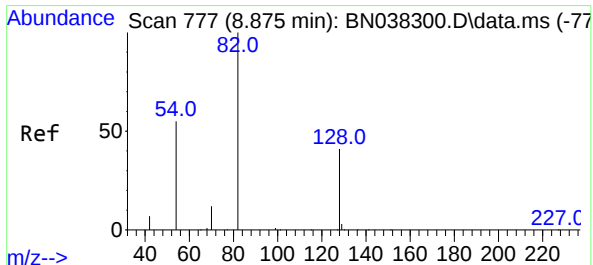
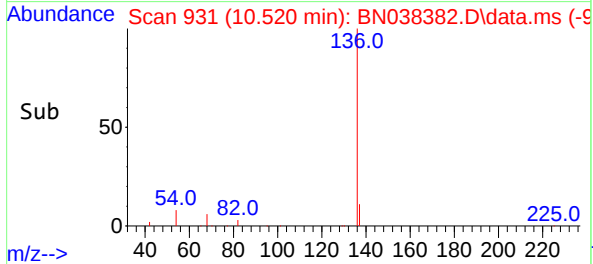
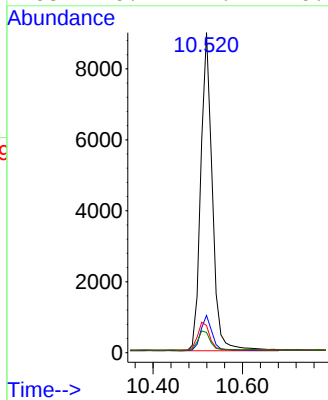
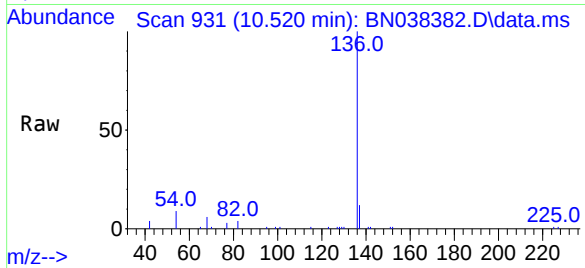




#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.520 min Scan# 91  
Delta R.T. -0.011 min  
Lab File: BN038382.D  
Acq: 13 Dec 2025 12:16

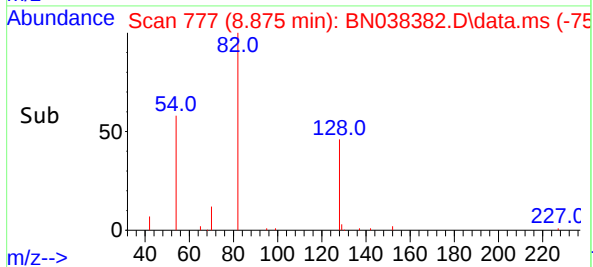
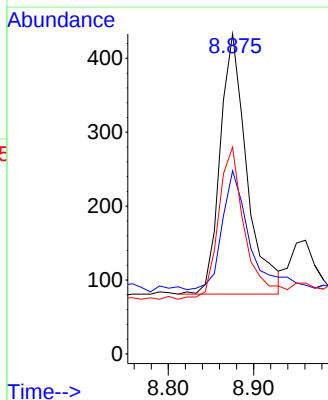
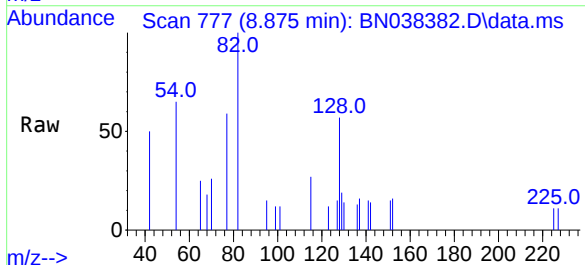
Instrument :  
BNA\_N  
ClientSampleId :  
RMW-03B-90-120925DL

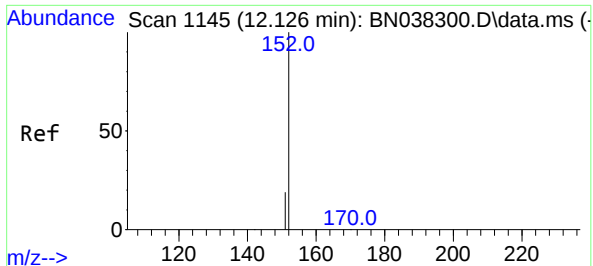
Tgt Ion:136 Resp: 16077  
Ion Ratio Lower Upper  
136 100  
137 11.7 9.1 13.7  
54 8.5 5.2 7.8#  
68 6.4 4.1 6.1#



#8  
Nitrobenzene-d5  
Concen: 0.056 ng  
RT: 8.875 min Scan# 777  
Delta R.T. 0.000 min  
Lab File: BN038382.D  
Acq: 13 Dec 2025 12:16

Tgt Ion: 82 Resp: 762  
Ion Ratio Lower Upper  
82 100  
128 57.3 34.0 51.0#  
54 64.7 44.4 66.6

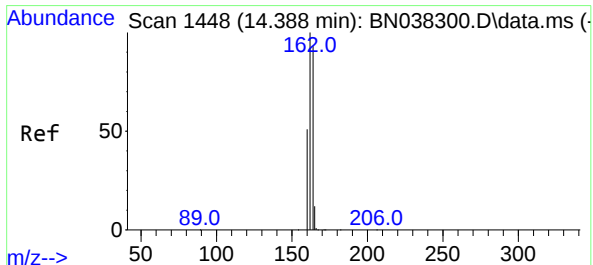
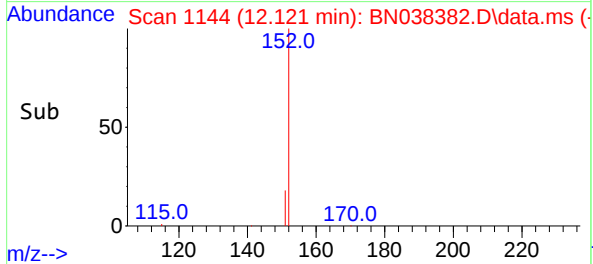
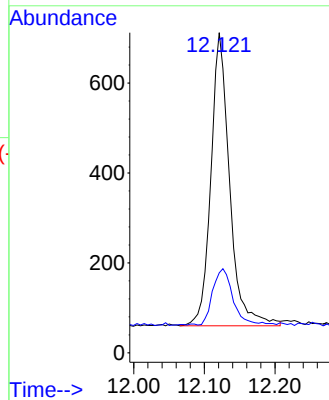
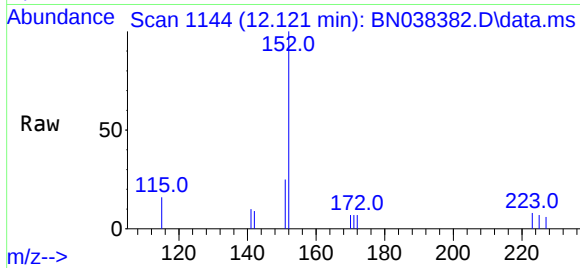




#11  
2-Methylnaphthalene-d10  
Concen: 0.053 ng  
RT: 12.121 min Scan# 1144  
Delta R.T. -0.005 min  
Lab File: BN038382.D  
Acq: 13 Dec 2025 12:16

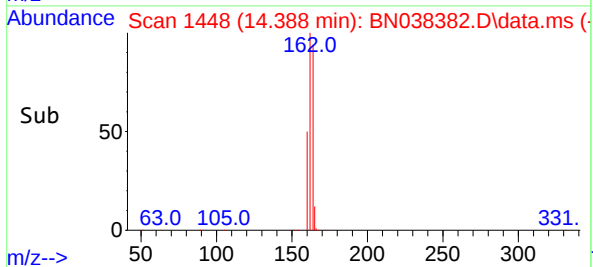
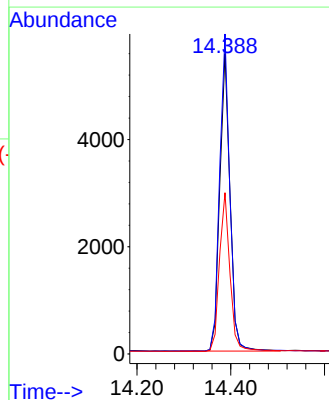
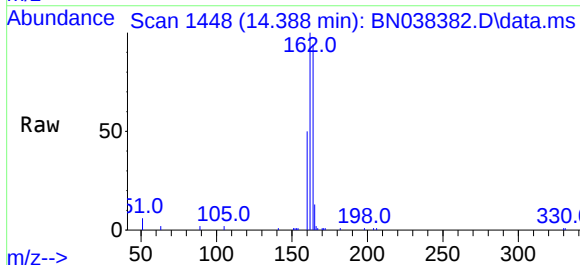
Instrument :  
BNA\_N  
ClientSampleId :  
RMW-03B-90-120925DL

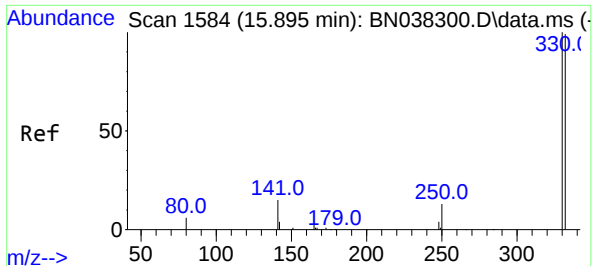
Tgt Ion:152 Resp: 1202  
Ion Ratio Lower Upper  
152 100  
151 21.0 17.0 25.6



#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.388 min Scan# 1448  
Delta R.T. -0.011 min  
Lab File: BN038382.D  
Acq: 13 Dec 2025 12:16

Tgt Ion:164 Resp: 8437  
Ion Ratio Lower Upper  
164 100  
162 106.5 86.2 129.4  
160 53.7 44.6 67.0





#14

2,4,6-Tribromophenol

Concen: 0.068 ng

RT: 15.883 min Scan# 1583

Delta R.T. -0.012 min

Lab File: BN038382.D

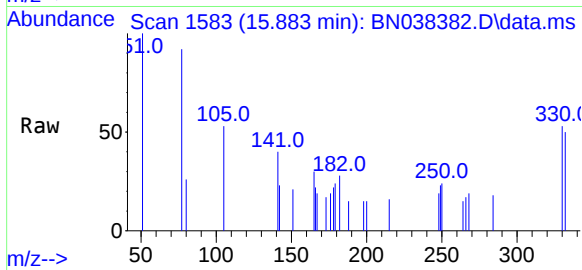
Acq: 13 Dec 2025 12:16

Instrument :

BNA\_N

ClientSampleId :

RMW-03B-90-120925DL



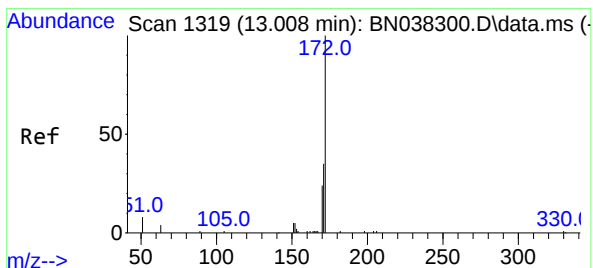
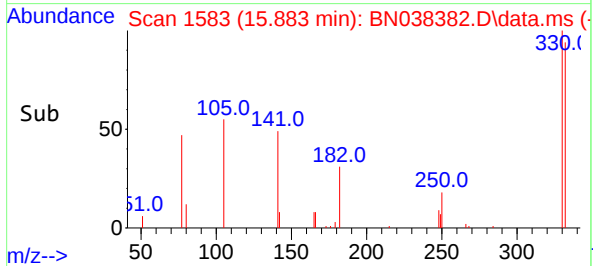
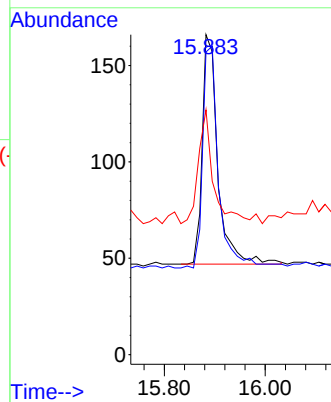
Tgt Ion:330 Resp: 255

Ion Ratio Lower Upper

330 100

332 97.6 75.8 113.6

141 47.5 31.8 47.8



#15

2-Fluorobiphenyl

Concen: 0.084 ng

RT: 13.009 min Scan# 1319

Delta R.T. 0.000 min

Lab File: BN038382.D

Acq: 13 Dec 2025 12:16

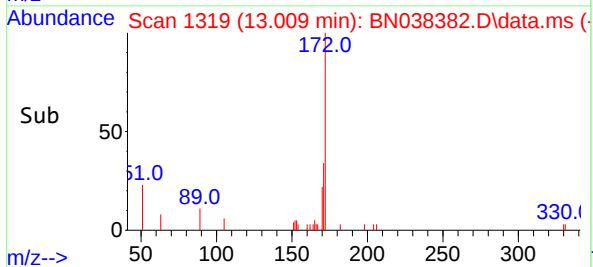
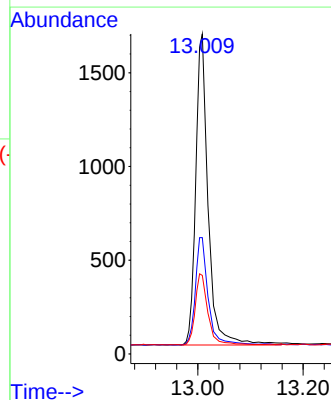
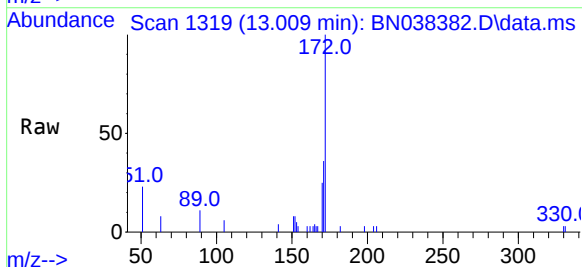
Tgt Ion:172 Resp: 3415

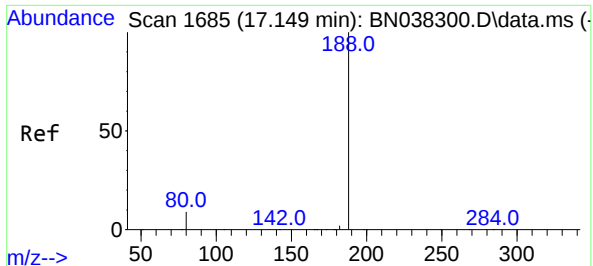
Ion Ratio Lower Upper

172 100

171 36.4 28.6 42.8

170 24.5 19.3 28.9





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.136 min Scan# 1

Delta R.T. -0.012 min

Lab File: BN038382.D

Acq: 13 Dec 2025 12:16

Instrument :

BNA\_N

ClientSampleId :

RMW-03B-90-120925DL

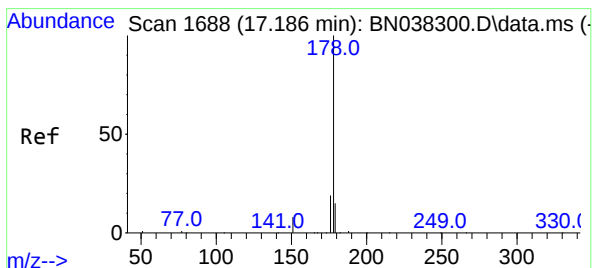
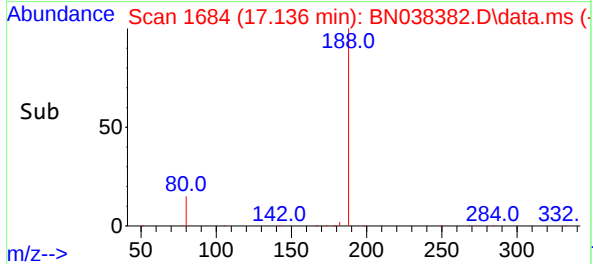
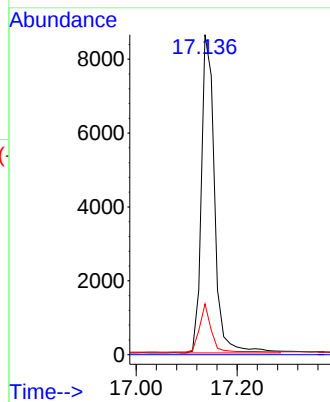
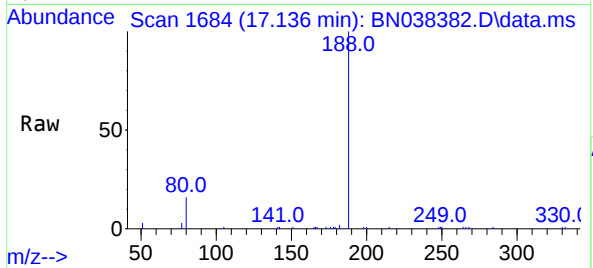
Tgt Ion:188 Resp: 15660

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 15.9 7.4 11.0#



#25

Phenanthrene

Concen: 0.020 ng

RT: 17.186 min Scan# 1688

Delta R.T. 0.000 min

Lab File: BN038382.D

Acq: 13 Dec 2025 12:16

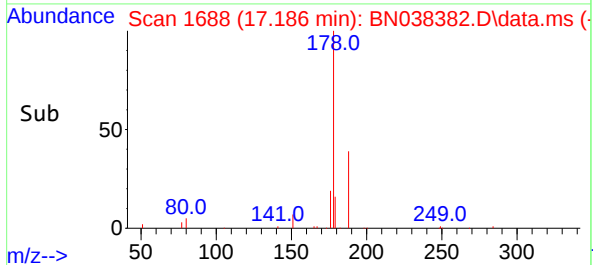
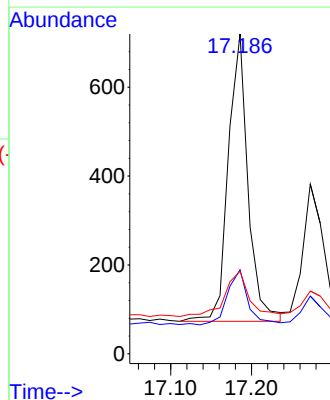
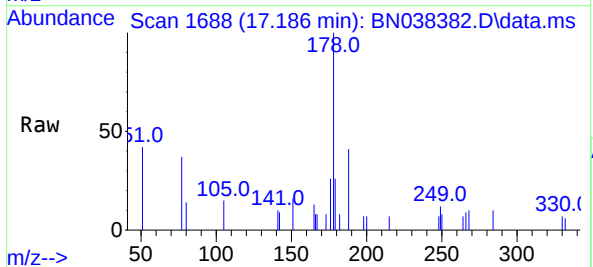
Tgt Ion:178 Resp: 1098

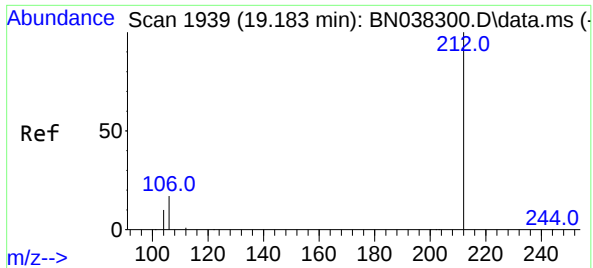
Ion Ratio Lower Upper

178 100

176 19.6 15.5 23.3

179 19.5 12.2 18.2#

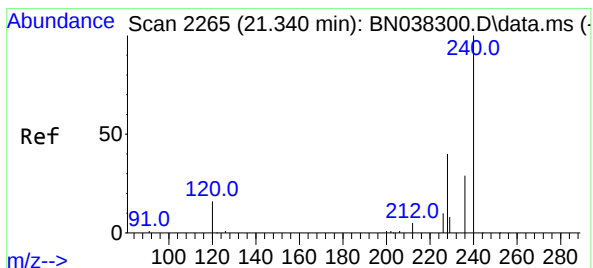
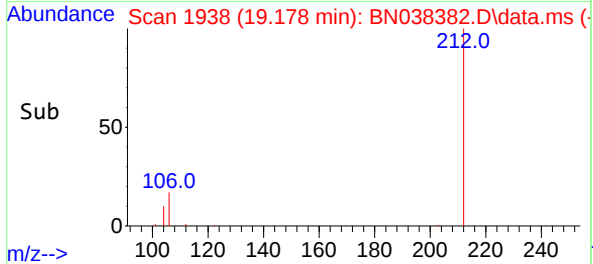
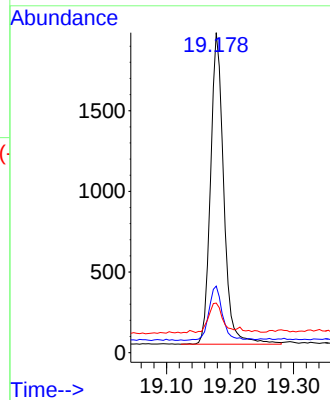
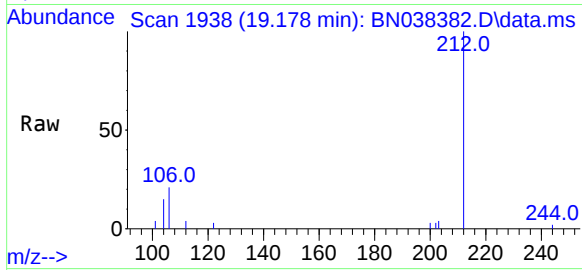




#27  
Fluoranthene-d10  
Concen: 0.072 ng  
RT: 19.178 min Scan# 1938  
Delta R.T. -0.009 min  
Lab File: BN038382.D  
Acq: 13 Dec 2025 12:16

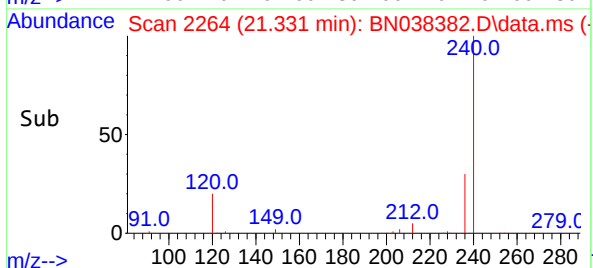
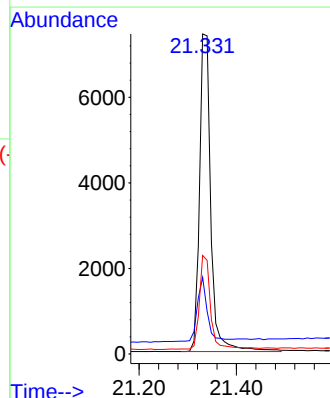
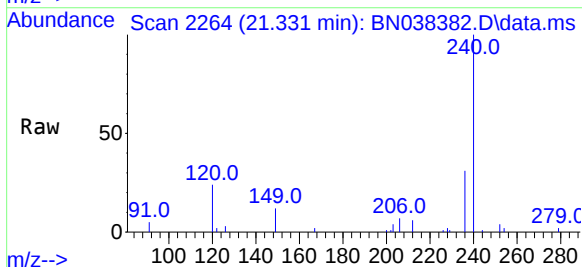
Instrument :  
BNA\_N  
ClientSampleId :  
RMW-03B-90-120925DL

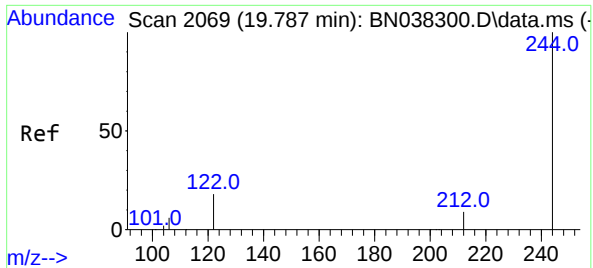
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 212     | 100   |       |       |
| 106     | 17.8  | 13.7  | 20.5  |
| 104     | 9.8   | 7.8   | 11.8  |



#29  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.331 min Scan# 2264  
Delta R.T. -0.009 min  
Lab File: BN038382.D  
Acq: 13 Dec 2025 12:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 24.0  | 15.4  | 23.2  |
| 236     | 30.8  | 23.9  | 35.9  |

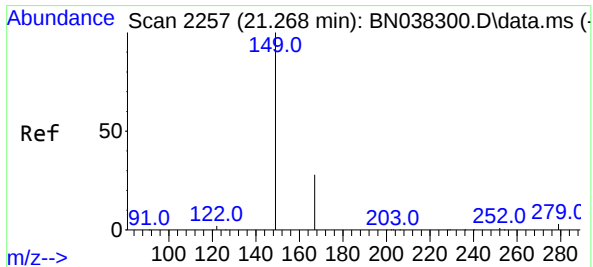
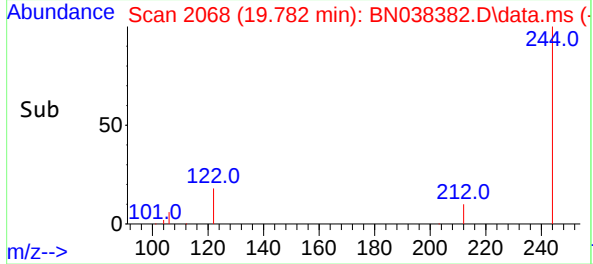
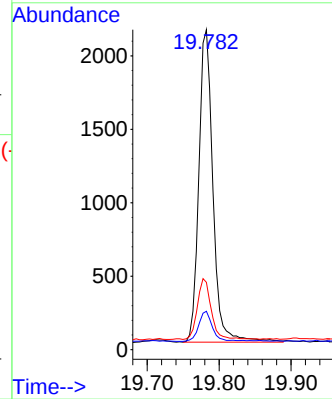
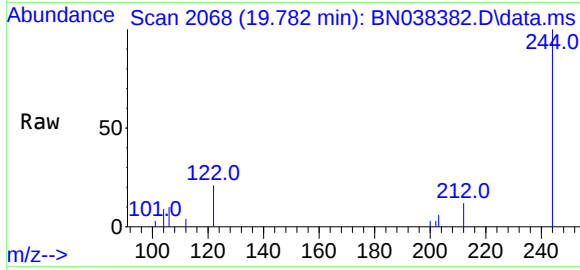




#31  
Terphenyl-d14  
Concen: 0.109 ng  
RT: 19.782 min Scan# 2068  
Delta R.T. -0.009 min  
Lab File: BN038382.D  
Acq: 13 Dec 2025 12:16

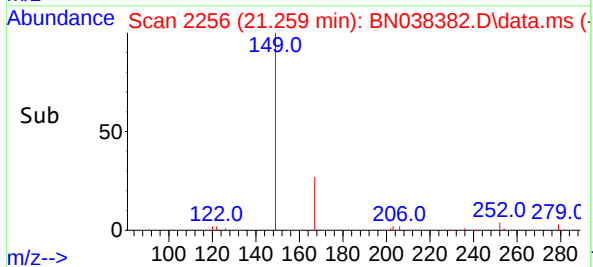
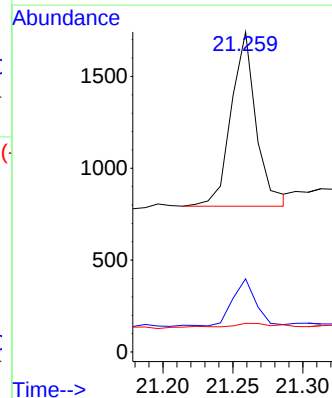
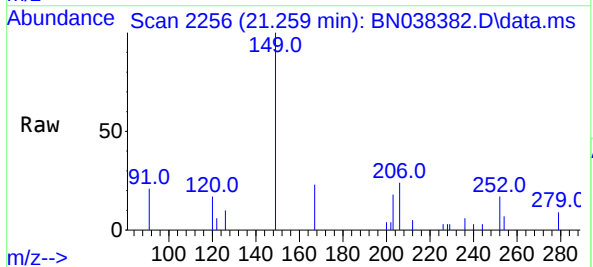
Instrument :  
BNA\_N  
ClientSampleId :  
RMW-03B-90-120925DL

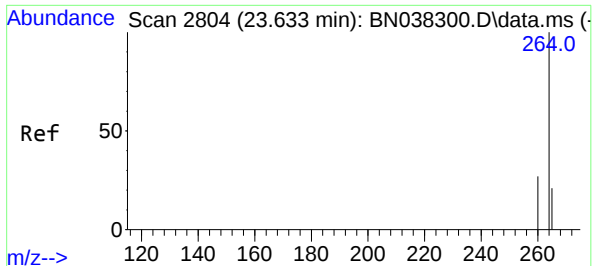
Tgt Ion:244 Resp: 2904  
Ion Ratio Lower Upper  
244 100  
212 12.0 7.9 11.9#  
122 21.1 15.0 22.6



#34  
Bis(2-ethylhexyl)phthalate  
Concen: 0.047 ng  
RT: 21.259 min Scan# 2256  
Delta R.T. -0.009 min  
Lab File: BN038382.D  
Acq: 13 Dec 2025 12:16

Tgt Ion:149 Resp: 1179  
Ion Ratio Lower Upper  
149 100  
167 26.0 21.4 32.0  
279 4.4 2.4 3.6#





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.619 min Scan# 21

Delta R.T. -0.015 min

Lab File: BN038382.D

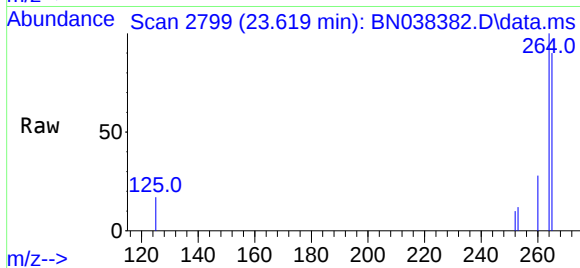
Acq: 13 Dec 2025 12:16

Instrument :

BNA\_N

ClientSampleId :

RMW-03B-90-120925DL



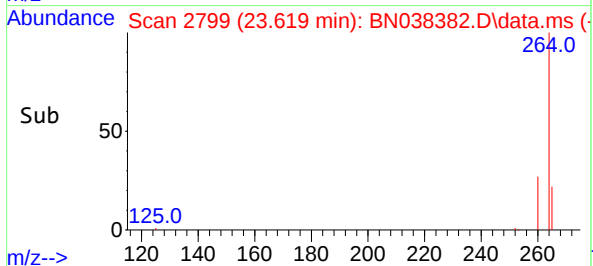
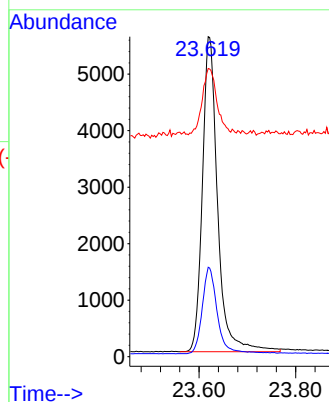
Tgt Ion:264 Resp: 12174

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

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

|     |      |      |      |
|-----|------|------|------|
| 260 | 27.9 | 22.2 | 33.2 |
|-----|------|------|------|

|     |      |      |       |
|-----|------|------|-------|
| 265 | 90.1 | 80.2 | 120.2 |
|-----|------|------|-------|





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

## Report of Analysis

|                    |                                           |                 |                |
|--------------------|-------------------------------------------|-----------------|----------------|
| Client:            | JACOBS Engineering Group, Inc.            | Date Collected: | 12/09/25       |
| Project:           | Former Schlumberger STC PTC Site D3868221 | Date Received:  | 12/09/25       |
| Client Sample ID:  | OWBR-03-138-120925                        | SDG No.:        | Q3828          |
| Lab Sample ID:     | Q3828-06                                  | Matrix:         | Water          |
| Analytical Method: | SW8270ESIM                                | % Solid:        | 0              |
| Sample Wt/Vol:     | 920 mL                                    | Test:           | SVOC-SIMGroup1 |
| Prep Method :      | 3510C                                     |                 |                |
|                    | Level: LOW                                |                 |                |
|                    | Final Vol: 1000 uL                        |                 |                |
|                    | Prep Date: 12/11/25                       |                 |                |

| CAS Number                | Parameter               | Conc.             | Qua. | DF | MDL                 | LOQ / CRQL | Units    | Date Ana.      | Prep BatchID |
|---------------------------|-------------------------|-------------------|------|----|---------------------|------------|----------|----------------|--------------|
| <b>TARGETS</b>            |                         |                   |      |    |                     |            |          |                |              |
| 123-91-1                  | 1,4-Dioxane             | 0.070             | U    | 1  | 0.070               | 0.22       | ug/L     | 12/12/25 14:14 | PB170912     |
| <b>SURROGATES</b>         |                         |                   |      |    |                     |            |          |                |              |
| 7297-45-2                 | 2-Methylnaphthalene-d10 | 0.27              |      |    | 30 (47) - 150 (106) | 67%        | SPK: 0.4 |                |              |
| 93951-69-0                | Fluoranthene-d10        | 0.37              |      |    | 30 (54) - 150 (157) | 92%        | SPK: 0.4 |                |              |
| 4165-60-0                 | Nitrobenzene-d5         | 0.31              |      |    | 30 (56) - 130 (116) | 78%        | SPK: 0.4 |                |              |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.42              |      |    | 30 (50) - 130 (126) | 104%       | SPK: 0.4 |                |              |
| 1718-51-0                 | Terphenyl-d14           | 0.42              |      |    | 30 (54) - 130 (175) | 105%       | SPK: 0.4 |                |              |
| <b>INTERNAL STANDARDS</b> |                         |                   |      |    |                     |            |          |                |              |
|                           |                         | <b>Area Count</b> |      |    |                     |            |          |                |              |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 5330              |      |    |                     |            |          |                |              |
| 1146-65-2                 | Naphthalene-d8          | 14500             |      |    |                     |            |          |                |              |
| 15067-26-2                | Acenaphthene-d10        | 7920              |      |    |                     |            |          |                |              |
| 1517-22-2                 | Phenanthrene-d10        | 14800             |      |    |                     |            |          |                |              |
| 1719-03-5                 | Chrysene-d12            | 12100             |      |    |                     |            |          |                |              |
| 1520-96-3                 | Perylene-d12            | 12200             |      |    |                     |            |          |                |              |

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\_N\Data\BN121225\  
 Data File : BN038351.D  
 Acq On : 12 Dec 2025 14:14  
 Operator : RC/JU  
 Sample : Q3828-06  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 OWBR-03-138-120925

Quant Time: Dec 12 14:39:28 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN121025.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 10 13:56:50 2025  
 Response via : Initial Calibration

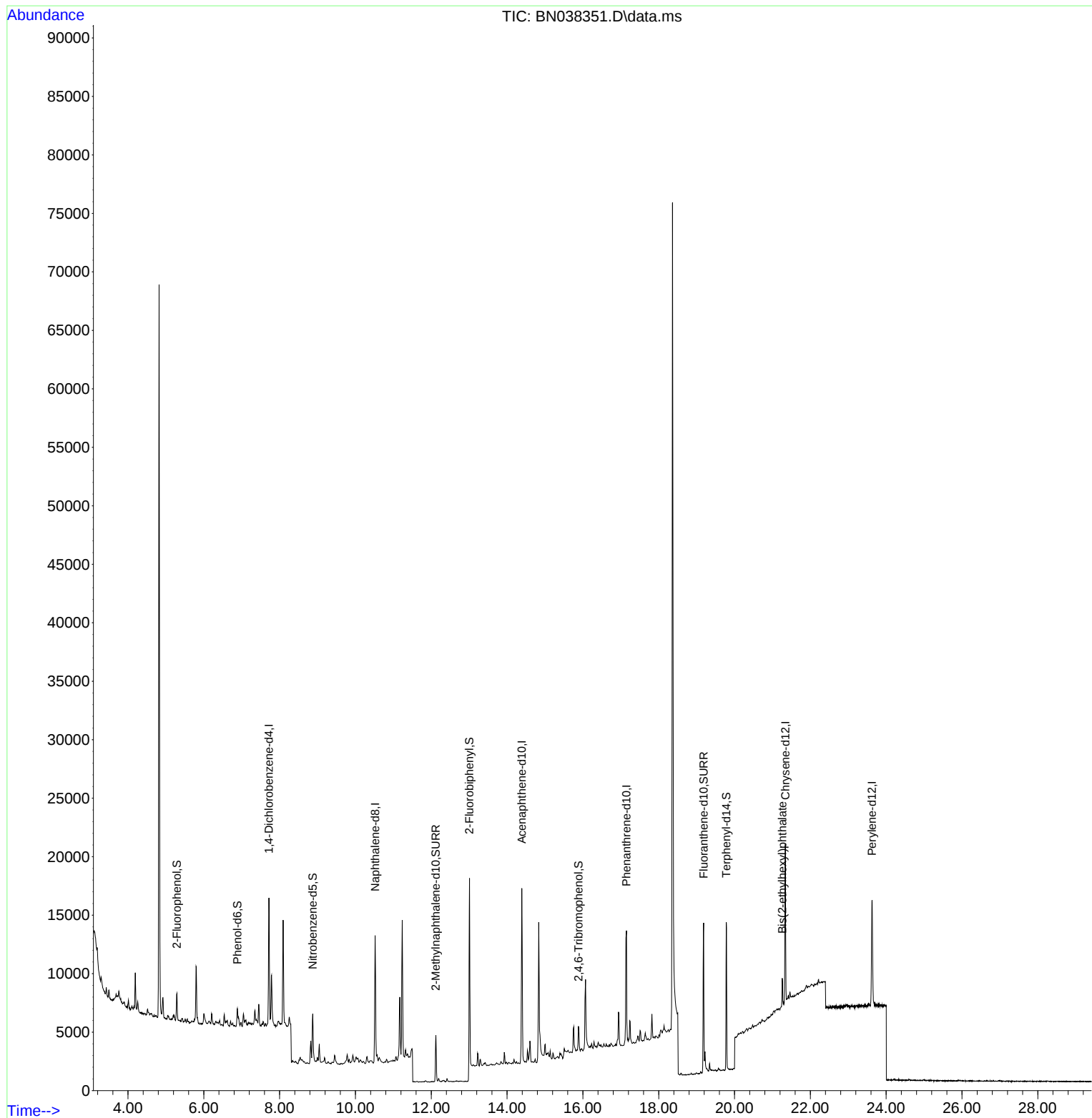
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.717  | 152  | 5333     | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.519 | 136  | 14542    | 0.400 | ng    | #-0.01   |
| 13) Acenaphthene-d10          | 14.387 | 164  | 7924     | 0.400 | ng    | -0.01    |
| 19) Phenanthrene-d10          | 17.148 | 188  | 14770    | 0.400 | ng    | 0.00     |
| 29) Chrysene-d12              | 21.339 | 240  | 12101    | 0.400 | ng    | 0.00     |
| 35) Perylene-d12              | 23.627 | 264  | 12184    | 0.400 | ng    | 0.00     |
|                               |        |      |          |       |       |          |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.290  | 112  | 1970     | 0.148 | ng    | 0.00     |
| 5) Phenol-d6                  | 6.886  | 99   | 1455     | 0.092 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 8.875  | 82   | 3816     | 0.311 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10   | 12.121 | 152  | 5485     | 0.267 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 15.882 | 330  | 1293     | 0.368 | ng    | -0.01    |
| 15) 2-Fluorobiphenyl          | 13.008 | 172  | 15855    | 0.415 | ng    | 0.00     |
| 27) Fluoranthene-d10          | 19.183 | 212  | 13494    | 0.369 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.782 | 244  | 11319    | 0.419 | ng    | 0.00     |
|                               |        |      |          |       |       |          |
| Target Compounds              |        |      |          |       |       |          |
| 34) Bis(2-ethylhexyl)phtha... | 21.259 | 149  | 2532     | 0.099 | ng    | # 95     |
| -----                         |        |      |          |       |       |          |

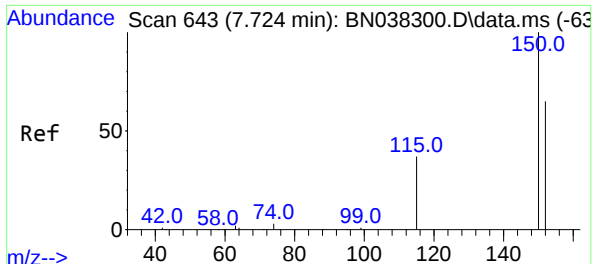
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN121225\  
Data File : BN038351.D  
Acq On : 12 Dec 2025 14:14  
Operator : RC/JU  
Sample : Q3828-06  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
OWBR-03-138-120925

Quant Time: Dec 12 14:39:28 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN121025.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Dec 10 13:56:50 2025  
Response via : Initial Calibration

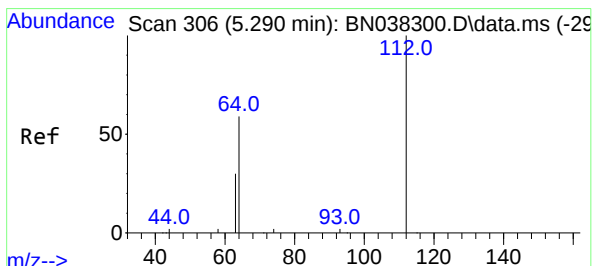
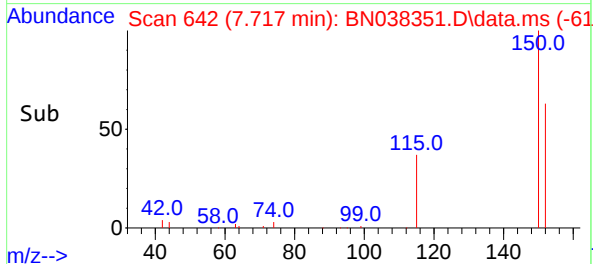
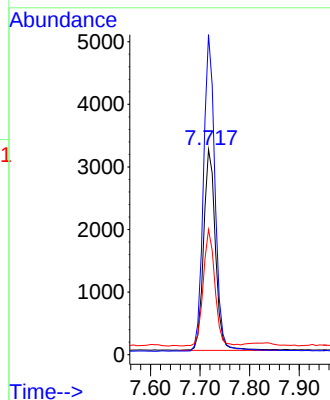
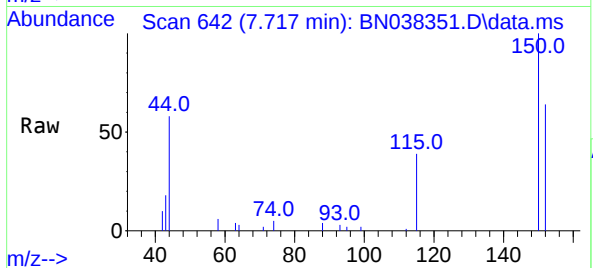




#1  
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.717 min Scan# 643  
Delta R.T. -0.007 min  
Lab File: BN038351.D  
Acq: 12 Dec 2025 14:14

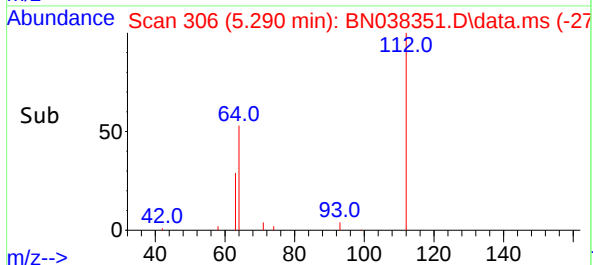
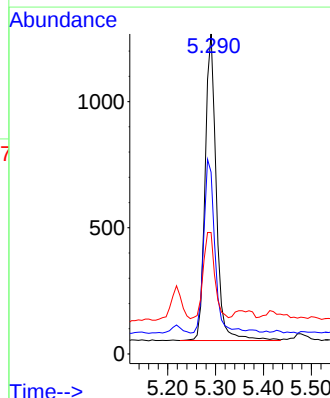
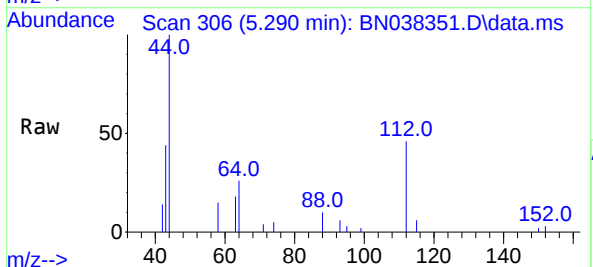
Instrument :  
BNA\_N  
ClientSampleId :  
OWBR-03-138-120925

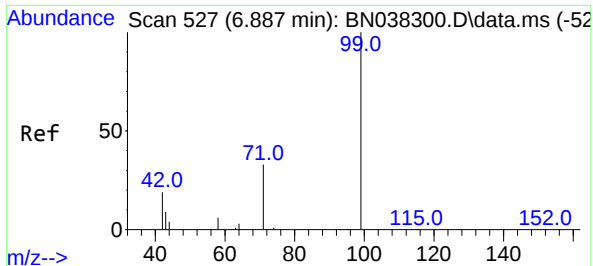
Tgt Ion:152 Resp: 5333  
Ion Ratio Lower Upper  
152 100  
150 155.9 122.4 183.6  
115 61.0 47.3 70.9



#4  
2-Fluorophenol  
Concen: 0.148 ng  
RT: 5.290 min Scan# 306  
Delta R.T. -0.000 min  
Lab File: BN038351.D  
Acq: 12 Dec 2025 14:14

Tgt Ion:112 Resp: 1970  
Ion Ratio Lower Upper  
112 100  
64 56.2 44.4 66.6  
63 29.7 23.4 35.0

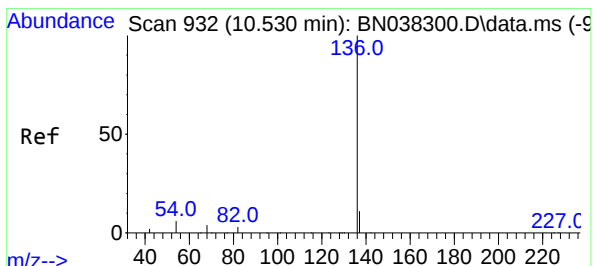
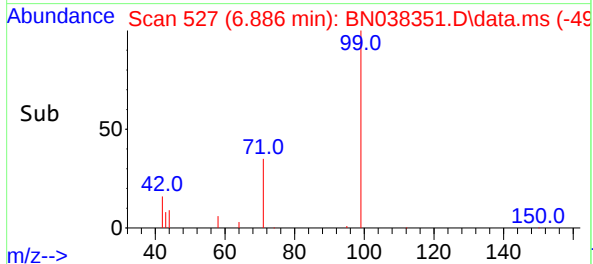
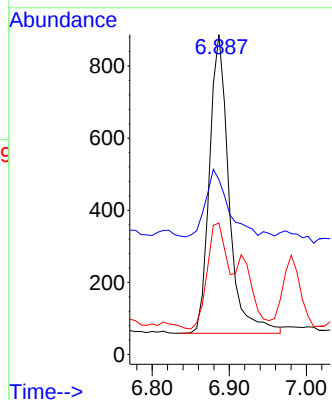
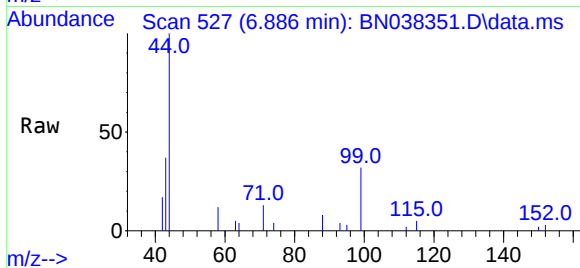




#5  
Phenol-d6  
Concen: 0.092 ng  
RT: 6.886 min Scan# 51  
Delta R.T. -0.000 min  
Lab File: BN038351.D  
Acq: 12 Dec 2025 14:14

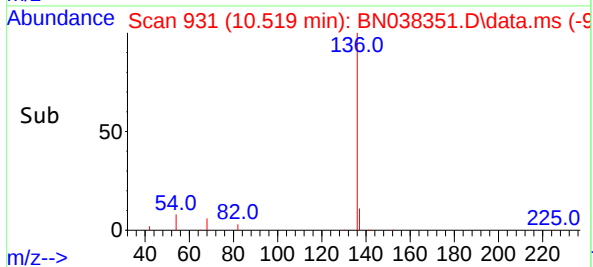
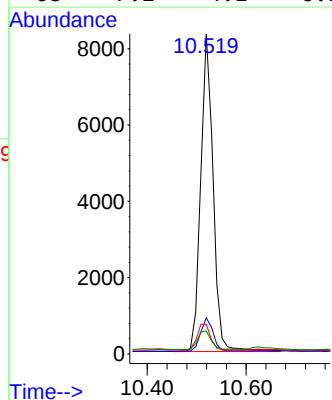
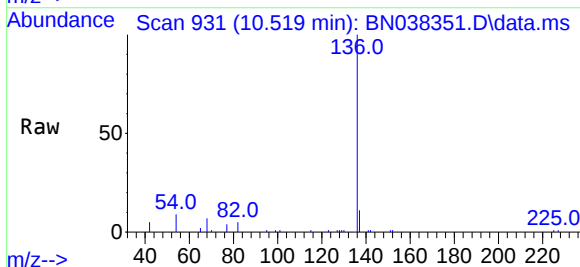
Instrument :  
BNA\_N  
ClientSampleId :  
OWBR-03-138-120925

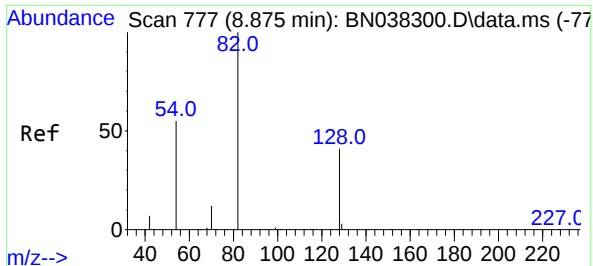
Tgt Ion: 99 Resp: 1455  
Ion Ratio Lower Upper  
99 100  
42 30.6 16.5 24.7#  
71 40.5 24.9 37.3#



#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.519 min Scan# 931  
Delta R.T. -0.011 min  
Lab File: BN038351.D  
Acq: 12 Dec 2025 14:14

Tgt Ion: 136 Resp: 14542  
Ion Ratio Lower Upper  
136 100  
137 11.3 9.1 13.7  
54 9.2 5.2 7.8#  
68 7.2 4.1 6.1#

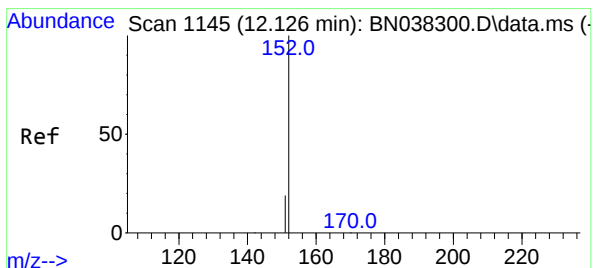
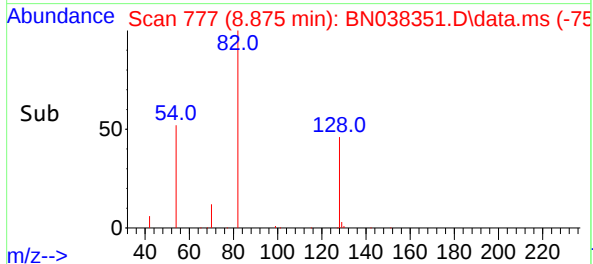
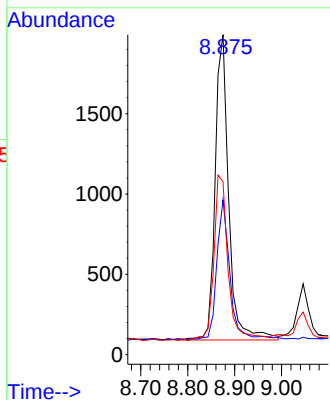
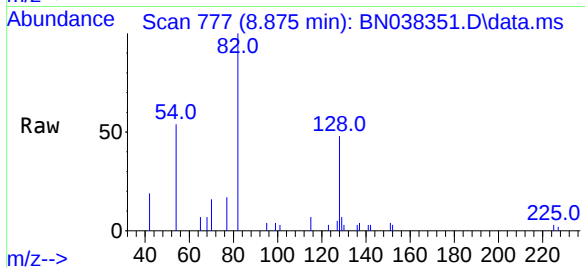




#8  
Nitrobenzene-d5  
Concen: 0.311 ng  
RT: 8.875 min Scan# 777  
Delta R.T. -0.000 min  
Lab File: BN038351.D  
Acq: 12 Dec 2025 14:14

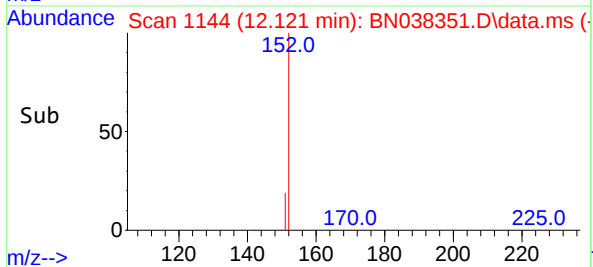
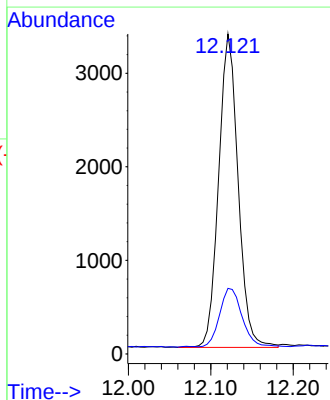
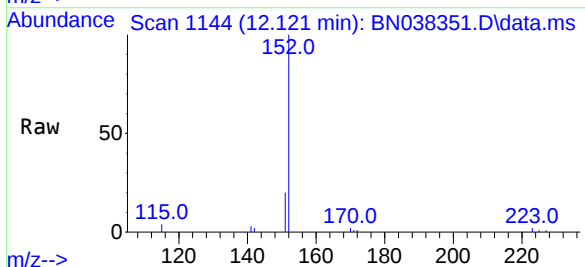
Instrument :  
BNA\_N  
ClientSampleId :  
OWBR-03-138-120925

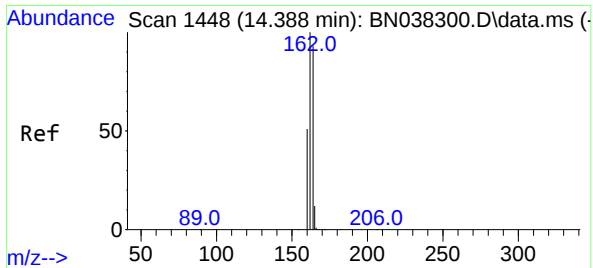
Tgt Ion: 82 Resp: 3816  
Ion Ratio Lower Upper  
82 100  
128 48.4 34.0 51.0  
54 54.1 44.4 66.6



#11  
2-Methylnaphthalene-d10  
Concen: 0.267 ng  
RT: 12.121 min Scan# 1144  
Delta R.T. -0.005 min  
Lab File: BN038351.D  
Acq: 12 Dec 2025 14:14

Tgt Ion: 152 Resp: 5485  
Ion Ratio Lower Upper  
152 100  
151 21.5 17.0 25.6

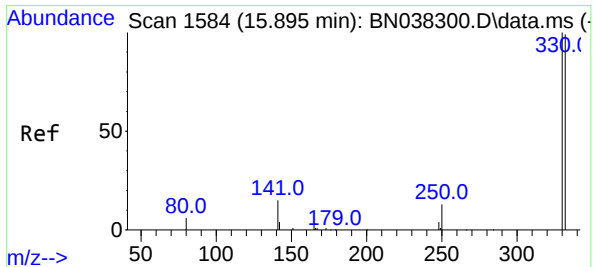
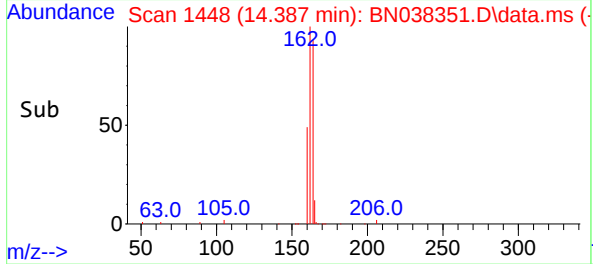
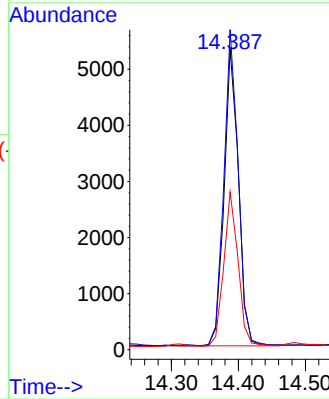
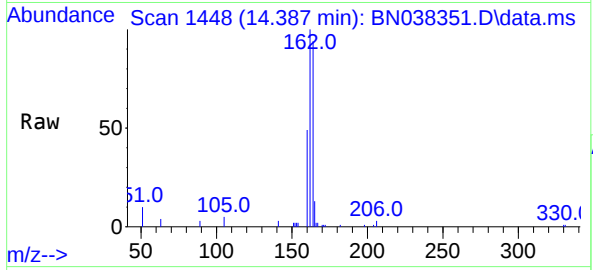




#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.387 min Scan# 1448  
Delta R.T. -0.011 min  
Lab File: BN038351.D  
Acq: 12 Dec 2025 14:14

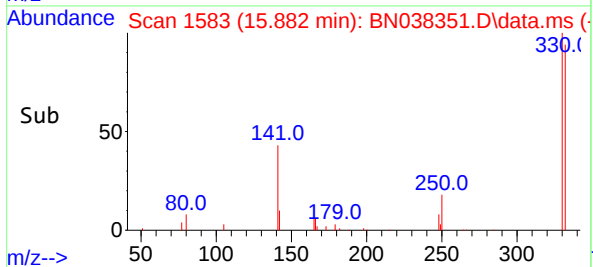
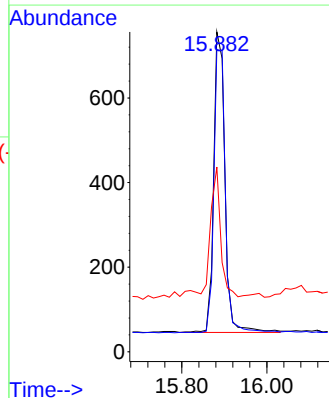
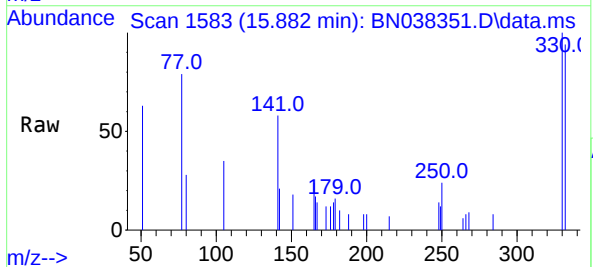
Instrument :  
BNA\_N  
ClientSampleId :  
OWBR-03-138-120925

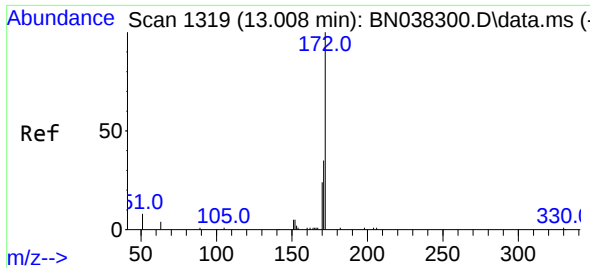
Tgt Ion:164 Resp: 7924  
Ion Ratio Lower Upper  
164 100  
162 106.3 86.2 129.4  
160 52.5 44.6 67.0



#14  
2,4,6-Tribromophenol  
Concen: 0.368 ng  
RT: 15.882 min Scan# 1583  
Delta R.T. -0.012 min  
Lab File: BN038351.D  
Acq: 12 Dec 2025 14:14

Tgt Ion:330 Resp: 1293  
Ion Ratio Lower Upper  
330 100  
332 95.7 75.8 113.6  
141 39.8 31.8 47.8

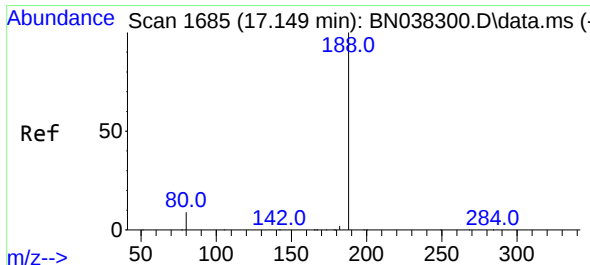
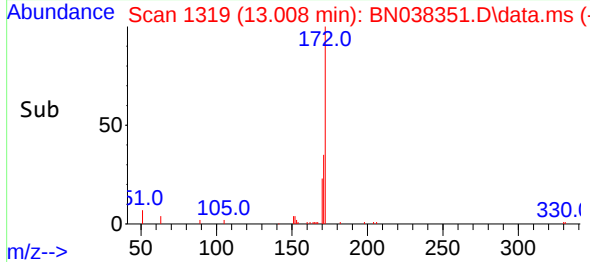
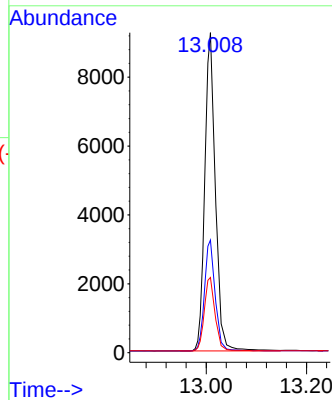
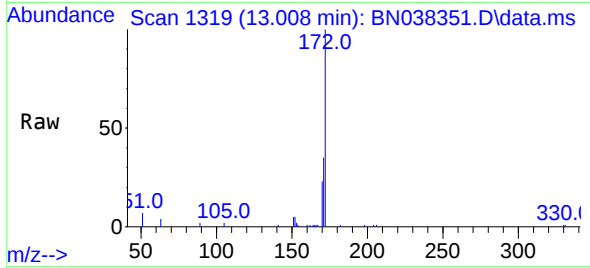




#15  
2-Fluorobiphenyl  
Concen: 0.415 ng  
RT: 13.008 min Scan# 1319  
Delta R.T. -0.000 min  
Lab File: BN038351.D  
Acq: 12 Dec 2025 14:14

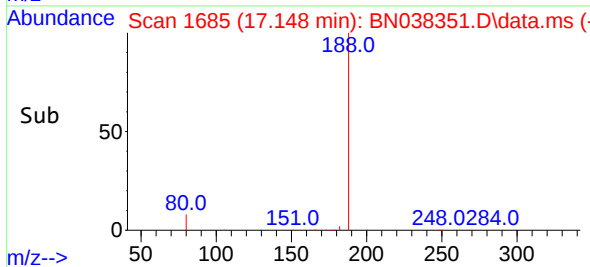
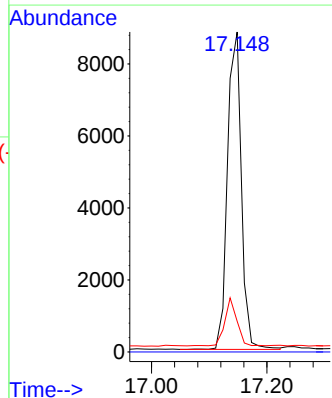
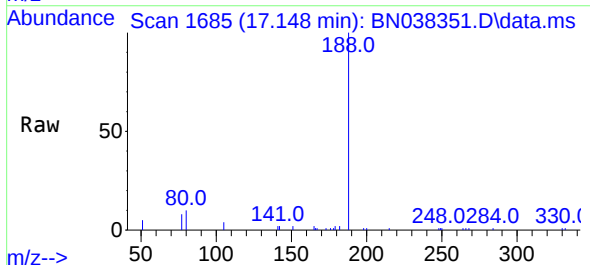
Instrument :  
BNA\_N  
ClientSampleId :  
OWBR-03-138-120925

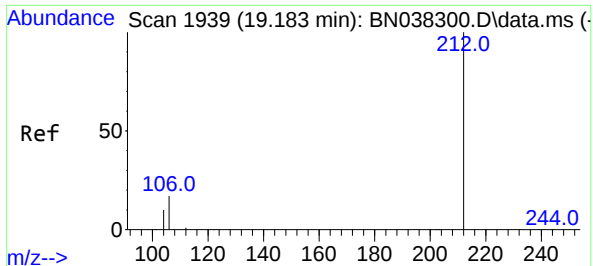
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 172   | Resp: | 15855 |
| Ion      | Ratio | Lower | Upper |
| 172      | 100   |       |       |
| 171      | 35.2  | 28.6  | 42.8  |
| 170      | 23.5  | 19.3  | 28.9  |



#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.148 min Scan# 1685  
Delta R.T. -0.000 min  
Lab File: BN038351.D  
Acq: 12 Dec 2025 14:14

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 188   | Resp: | 14770 |
| Ion      | Ratio | Lower | Upper |
| 188      | 100   |       |       |
| 94       | 0.0   | 0.0   | 0.0   |
| 80       | 9.6   | 7.4   | 11.0  |

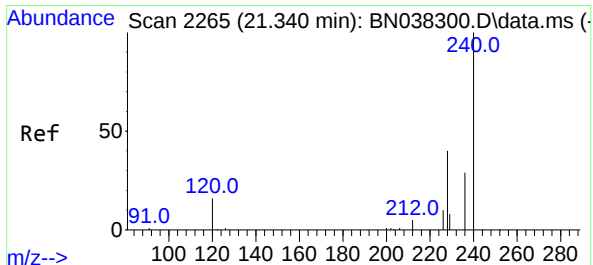
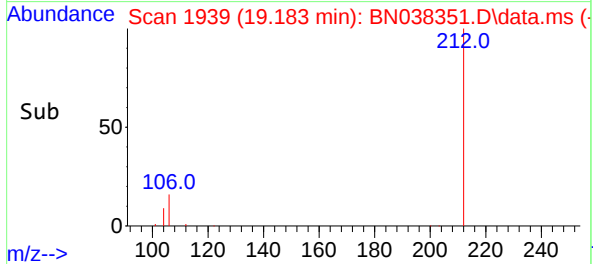
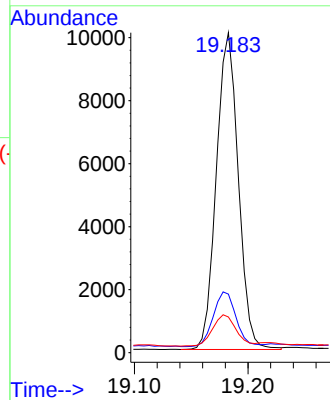
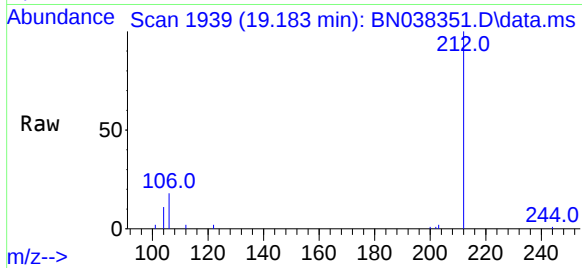




#27  
Fluoranthene-d10  
Concen: 0.369 ng  
RT: 19.183 min Scan# 1939  
Delta R.T. -0.005 min  
Lab File: BN038351.D  
Acq: 12 Dec 2025 14:14

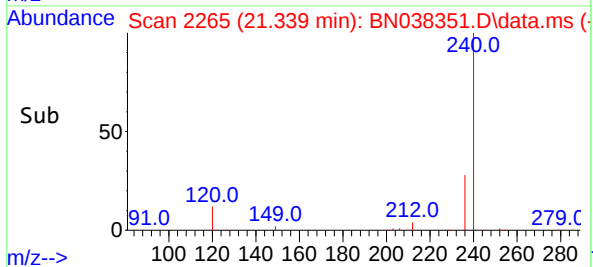
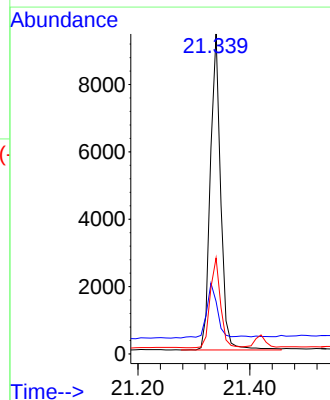
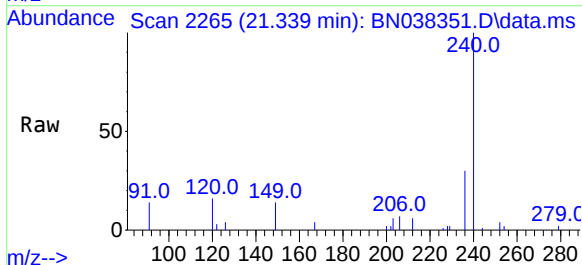
Instrument :  
BNA\_N  
ClientSampleId :  
OWBR-03-138-120925

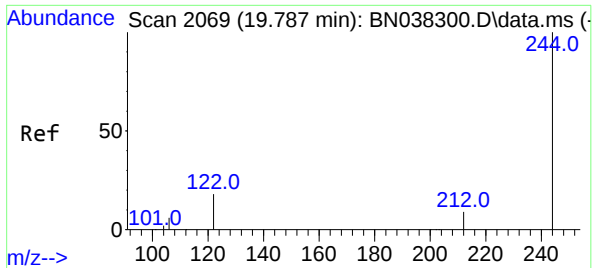
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 212     | 100   |       |       |
| 106     | 17.9  | 13.7  | 20.5  |
| 104     | 10.6  | 7.8   | 11.8  |



#29  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.339 min Scan# 2265  
Delta R.T. -0.000 min  
Lab File: BN038351.D  
Acq: 12 Dec 2025 14:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 16.4  | 15.4  | 23.2  |
| 236     | 30.0  | 23.9  | 35.9  |

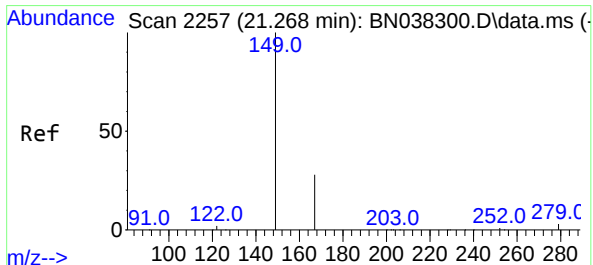
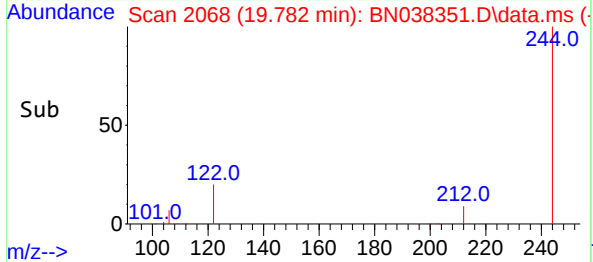
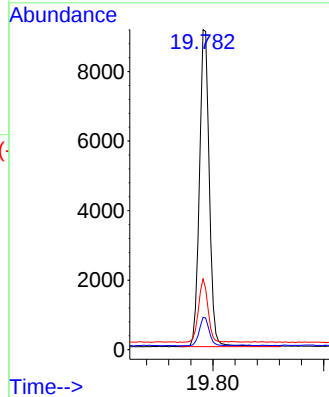
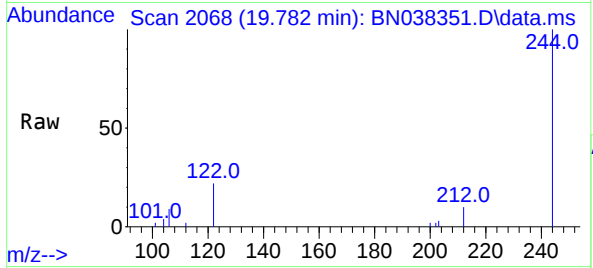




#31  
Terphenyl-d14  
Concen: 0.419 ng  
RT: 19.782 min Scan# 2068  
Delta R.T. -0.009 min  
Lab File: BN038351.D  
Acq: 12 Dec 2025 14:14

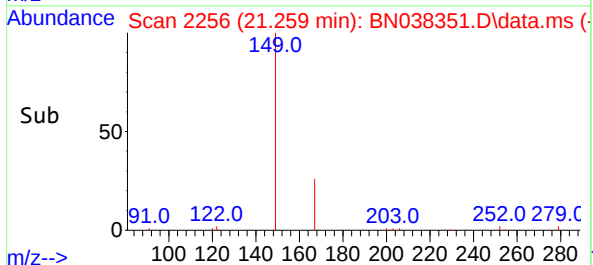
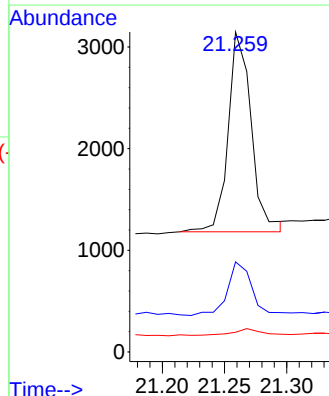
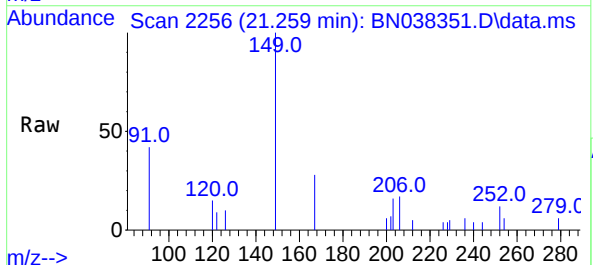
Instrument :  
BNA\_N  
ClientSampleId :  
OWBR-03-138-120925

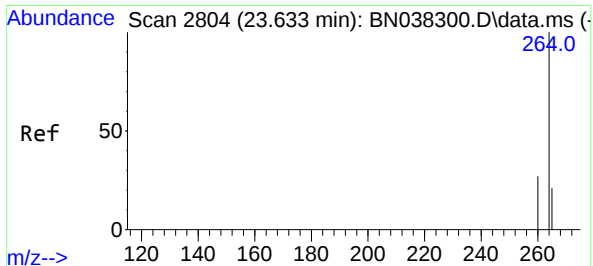
Tgt Ion:244 Resp: 11319  
Ion Ratio Lower Upper  
244 100  
212 10.1 7.9 11.9  
122 22.1 15.0 22.6



#34  
Bis(2-ethylhexyl)phthalate  
Concen: 0.099 ng  
RT: 21.259 min Scan# 2256  
Delta R.T. -0.009 min  
Lab File: BN038351.D  
Acq: 12 Dec 2025 14:14

Tgt Ion:149 Resp: 2532  
Ion Ratio Lower Upper  
149 100  
167 29.5 21.4 32.0  
279 4.1 2.4 3.6#





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.627 min Scan# 21

Delta R.T. -0.006 min

Lab File: BN038351.D

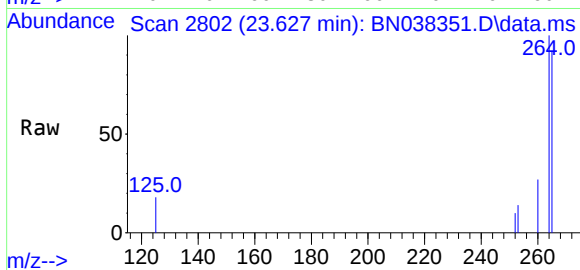
Acq: 12 Dec 2025 14:14

Instrument :

BNA\_N

ClientSampleId :

OWBR-03-138-120925



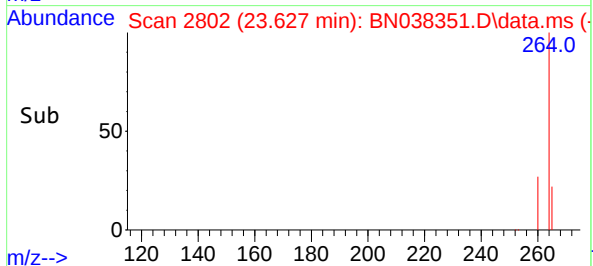
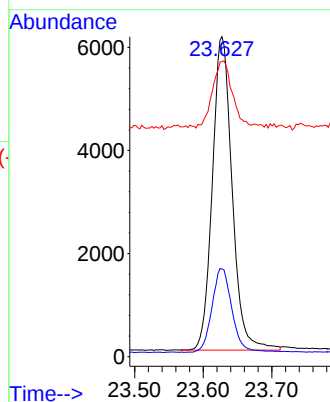
Tgt Ion:264 Resp: 12184

Ion Ratio Lower Upper

264 100

260 27.4 22.2 33.2

265 92.3 80.2 120.2





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

## Report of Analysis

|                    |                                           |                 |                |
|--------------------|-------------------------------------------|-----------------|----------------|
| Client:            | JACOBS Engineering Group, Inc.            | Date Collected: | 12/09/25       |
| Project:           | Former Schlumberger STC PTC Site D3868221 | Date Received:  | 12/09/25       |
| Client Sample ID:  | FB01-120925                               | SDG No.:        | Q3828          |
| Lab Sample ID:     | Q3828-08                                  | Matrix:         | Water          |
| Analytical Method: | SW8270ESIM                                | % Solid:        | 0              |
| Sample Wt/Vol:     | 920 mL                                    | Test:           | SVOC-SIMGroup1 |
| Prep Method :      | 3510C                                     |                 |                |
|                    | Level: LOW                                |                 |                |
|                    | Final Vol: 1000 uL                        |                 |                |
|                    | Prep Date: 12/11/25                       |                 |                |

| CAS Number                | Parameter               | Conc.             | Qua. | DF | MDL                 | LOQ / CRQL | Units    | Date Ana.      | Prep BatchID |
|---------------------------|-------------------------|-------------------|------|----|---------------------|------------|----------|----------------|--------------|
| <b>TARGETS</b>            |                         |                   |      |    |                     |            |          |                |              |
| 123-91-1                  | 1,4-Dioxane             | 0.070             | U    | 1  | 0.070               | 0.22       | ug/L     | 12/12/25 15:26 | PB170912     |
| <b>SURROGATES</b>         |                         |                   |      |    |                     |            |          |                |              |
| 7297-45-2                 | 2-Methylnaphthalene-d10 | 0.32              |      |    | 30 (47) - 150 (106) | 80%        | SPK: 0.4 |                |              |
| 93951-69-0                | Fluoranthene-d10        | 0.38              |      |    | 30 (54) - 150 (157) | 95%        | SPK: 0.4 |                |              |
| 4165-60-0                 | Nitrobenzene-d5         | 0.37              |      |    | 30 (56) - 130 (116) | 92%        | SPK: 0.4 |                |              |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.35              |      |    | 30 (50) - 130 (126) | 88%        | SPK: 0.4 |                |              |
| 1718-51-0                 | Terphenyl-d14           | 0.42              |      |    | 30 (54) - 130 (175) | 105%       | SPK: 0.4 |                |              |
| <b>INTERNAL STANDARDS</b> |                         |                   |      |    |                     |            |          |                |              |
|                           |                         | <b>Area Count</b> |      |    |                     |            |          |                |              |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 6160              |      |    |                     |            |          |                |              |
| 1146-65-2                 | Naphthalene-d8          | 15800             |      |    |                     |            |          |                |              |
| 15067-26-2                | Acenaphthene-d10        | 8350              |      |    |                     |            |          |                |              |
| 1517-22-2                 | Phenanthrene-d10        | 16100             |      |    |                     |            |          |                |              |
| 1719-03-5                 | Chrysene-d12            | 12800             |      |    |                     |            |          |                |              |
| 1520-96-3                 | Perylene-d12            | 12600             |      |    |                     |            |          |                |              |

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\_N\Data\BN121225\  
 Data File : BN038352.D  
 Acq On : 12 Dec 2025 15:26  
 Operator : RC/JU  
 Sample : Q3828-08  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 FB01-120925

Quant Time: Dec 12 15:50:21 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN121025.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 10 13:56:50 2025  
 Response via : Initial Calibration

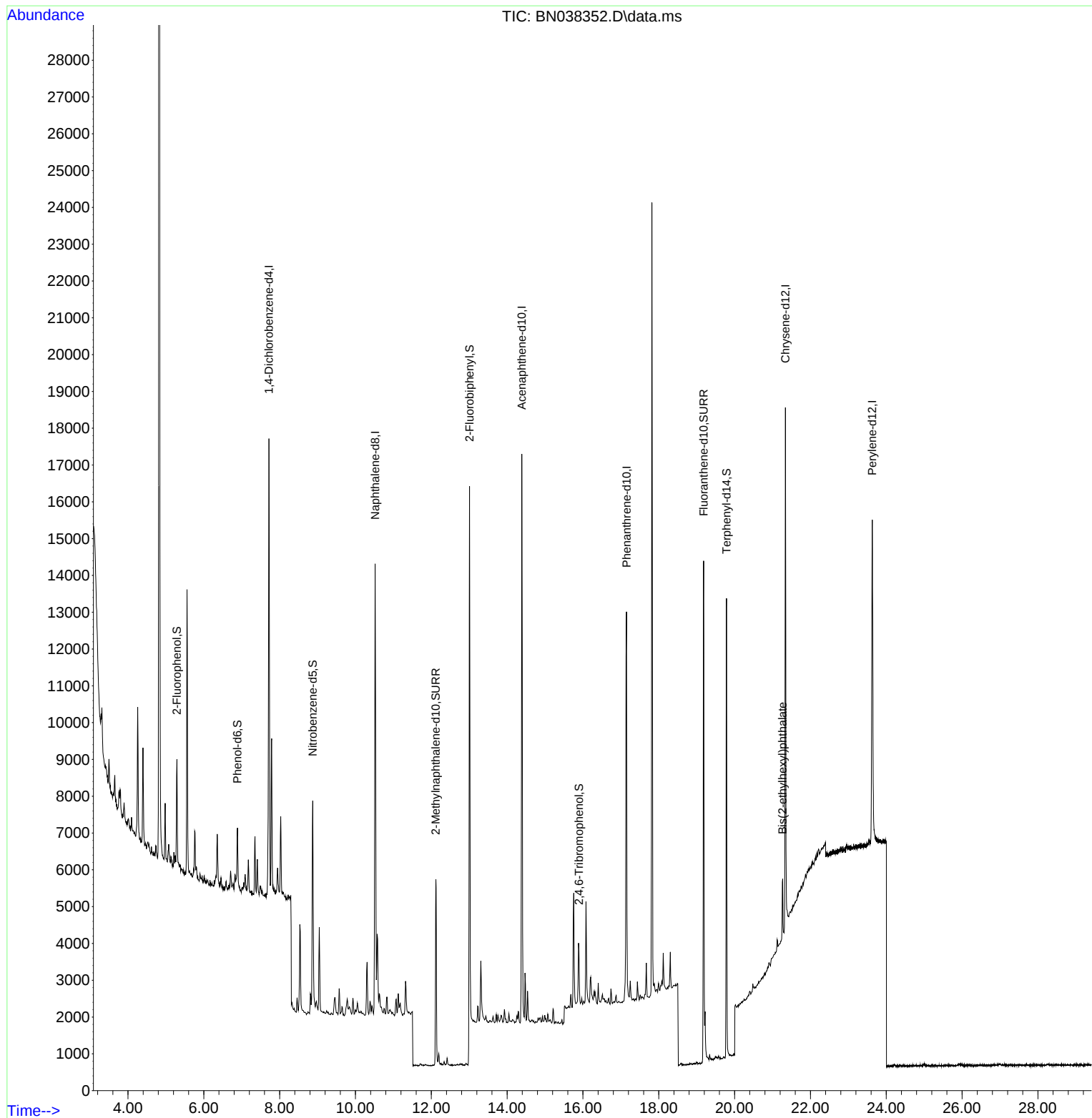
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.717  | 152  | 6161     | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.520 | 136  | 15794    | 0.400 | ng    | #-0.01   |
| 13) Acenaphthene-d10          | 14.388 | 164  | 8352     | 0.400 | ng    | -0.01    |
| 19) Phenanthrene-d10          | 17.149 | 188  | 16054    | 0.400 | ng    | 0.00     |
| 29) Chrysene-d12              | 21.340 | 240  | 12796    | 0.400 | ng    | 0.00     |
| 35) Perylene-d12              | 23.630 | 264  | 12638    | 0.400 | ng    | 0.00     |
|                               |        |      |          |       |       |          |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.291  | 112  | 2361     | 0.154 | ng    | 0.00     |
| 5) Phenol-d6                  | 6.887  | 99   | 1583     | 0.087 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 8.875  | 82   | 4905     | 0.368 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10   | 12.121 | 152  | 7150     | 0.321 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 15.895 | 330  | 1125     | 0.304 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 13.009 | 172  | 14226    | 0.354 | ng    | 0.00     |
| 27) Fluoranthene-d10          | 19.183 | 212  | 15084    | 0.380 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.787 | 244  | 11993    | 0.420 | ng    | 0.00     |
|                               |        |      |          |       |       |          |
| Target Compounds              |        |      |          |       |       | Qvalue   |
| 34) Bis(2-ethylhexyl)phtha... | 21.268 | 149  | 1769     | 0.065 | ng    | # 96     |
| -----                         |        |      |          |       |       |          |

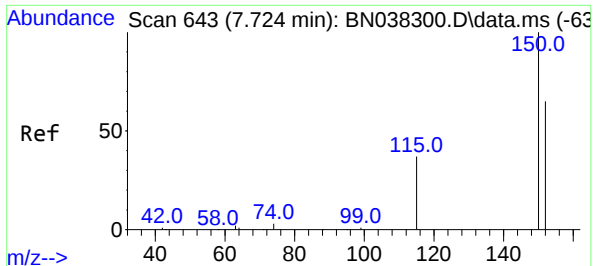
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN121225\  
Data File : BN038352.D  
Acq On : 12 Dec 2025 15:26  
Operator : RC/JU  
Sample : Q3828-08  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
FB01-120925

Quant Time: Dec 12 15:50:21 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN121025.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Dec 10 13:56:50 2025  
Response via : Initial Calibration

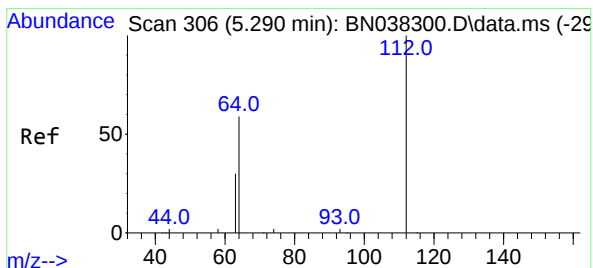
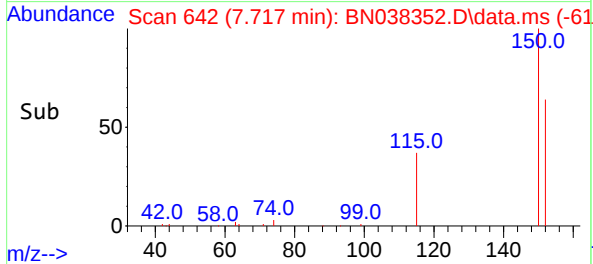
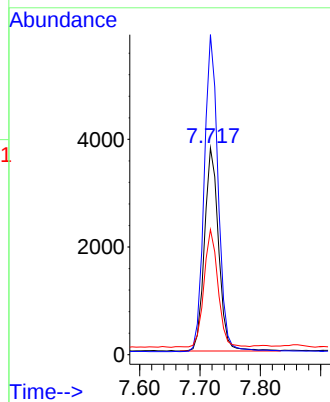
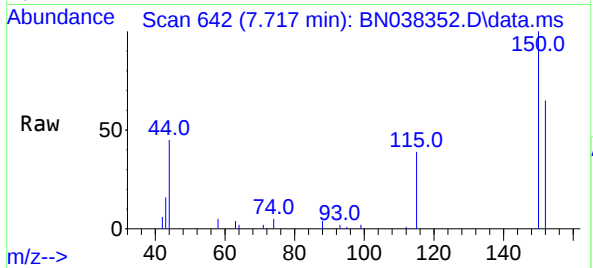




#1  
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.717 min Scan# 64  
Delta R.T. -0.007 min  
Lab File: BN038352.D  
Acq: 12 Dec 2025 15:26

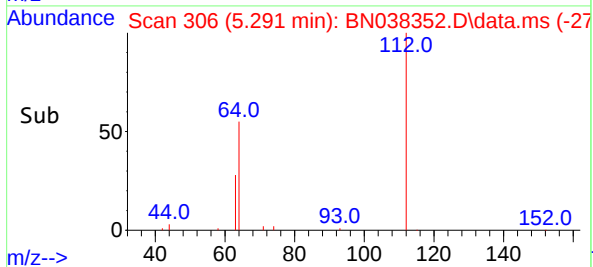
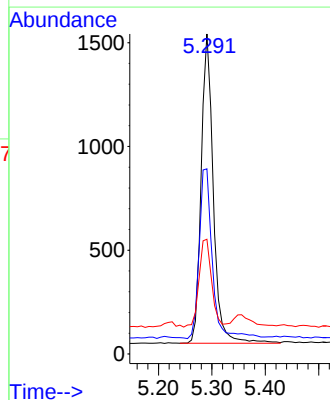
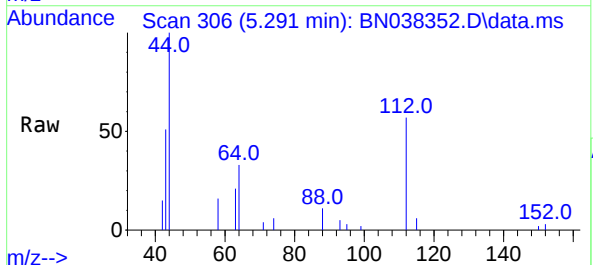
Instrument :  
BNA\_N  
ClientSampleId :  
FB01-120925

Tgt Ion:152 Resp: 6161  
Ion Ratio Lower Upper  
152 100  
150 154.8 122.4 183.6  
115 60.6 47.3 70.9

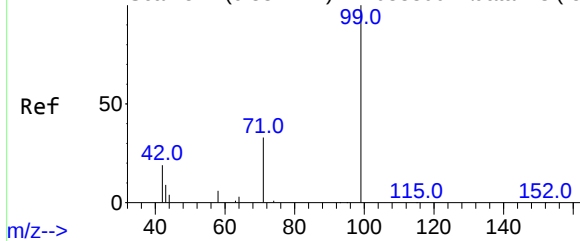


#4  
2-Fluorophenol  
Concen: 0.154 ng  
RT: 5.291 min Scan# 306  
Delta R.T. 0.000 min  
Lab File: BN038352.D  
Acq: 12 Dec 2025 15:26

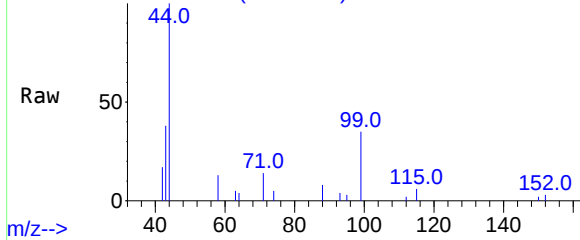
Tgt Ion:112 Resp: 2361  
Ion Ratio Lower Upper  
112 100  
64 58.6 44.4 66.6  
63 29.4 23.4 35.0



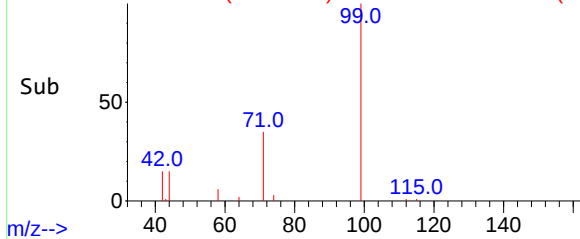
Abundance Scan 527 (6.887 min): BN038300.D\data.ms (-52



Abundance Scan 527 (6.887 min): BN038352.D\data.ms



Abundance Scan 527 (6.887 min): BN038352.D\data.ms (-49



#5

Phenol-d6

Concen: 0.087 ng

RT: 6.887 min Scan# 51

Delta R.T. 0.000 min

Lab File: BN038352.D

Acq: 12 Dec 2025 15:26

Instrument :

BNA\_N

ClientSampleId :

FB01-120925

Tgt Ion: 99 Resp: 1583

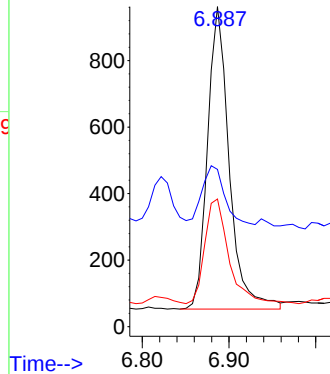
Ion Ratio Lower Upper

99 100

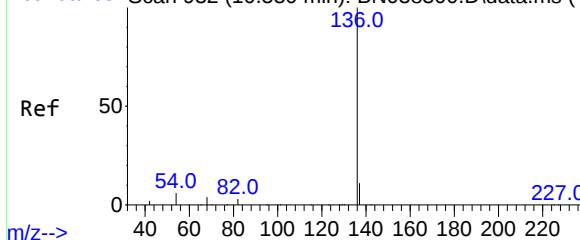
42 20.7 16.5 24.7

71 38.5 24.9 37.3#

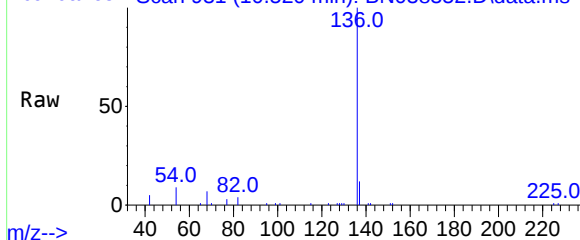
Abundance



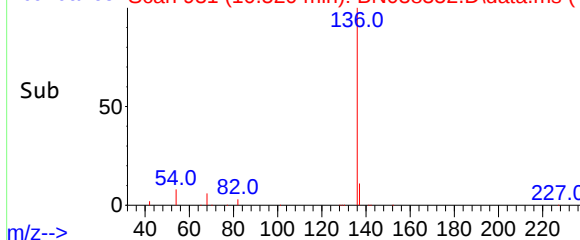
Abundance Scan 932 (10.530 min): BN038300.D\data.ms (-9



Abundance Scan 931 (10.520 min): BN038352.D\data.ms



Abundance Scan 931 (10.520 min): BN038352.D\data.ms (-9



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.520 min Scan# 931

Delta R.T. -0.011 min

Lab File: BN038352.D

Acq: 12 Dec 2025 15:26

Tgt Ion: 136 Resp: 15794

Ion Ratio Lower Upper

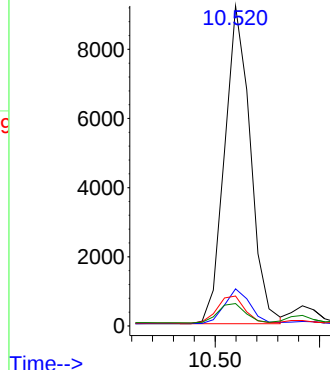
136 100

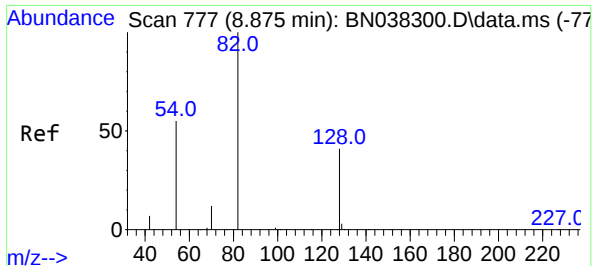
137 11.6 9.1 13.7

54 9.3 5.2 7.8#

68 7.0 4.1 6.1#

Abundance

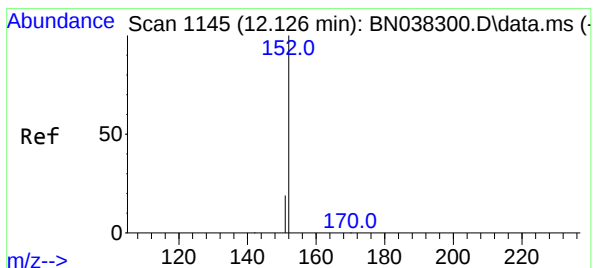
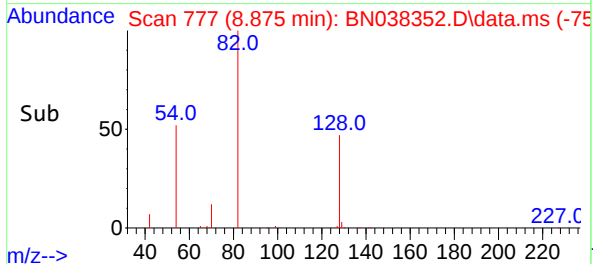
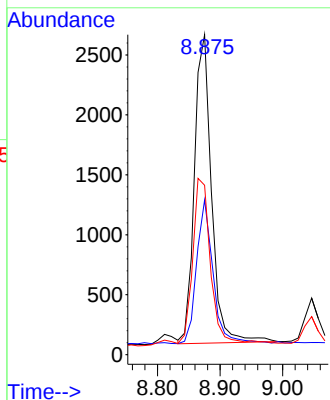
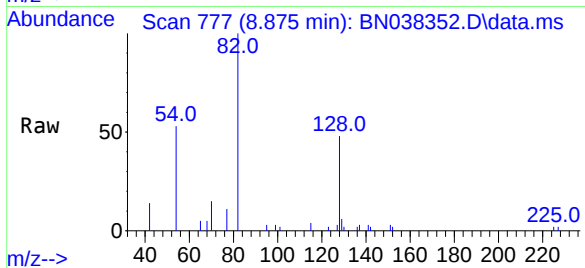




#8  
Nitrobenzene-d5  
Concen: 0.368 ng  
RT: 8.875 min Scan# 71  
Delta R.T. 0.000 min  
Lab File: BN038352.D  
Acq: 12 Dec 2025 15:26

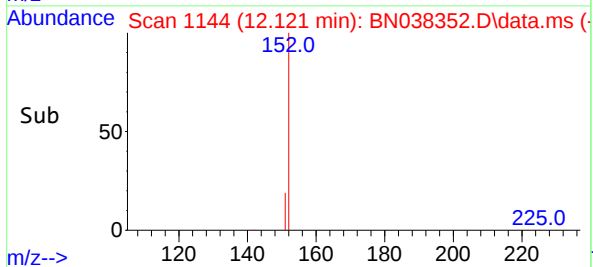
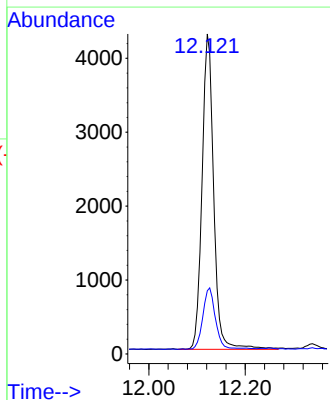
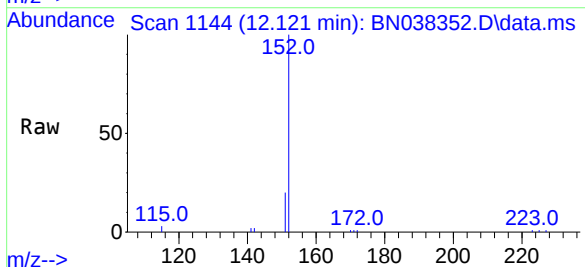
Instrument :  
BNA\_N  
ClientSampleId :  
FB01-120925

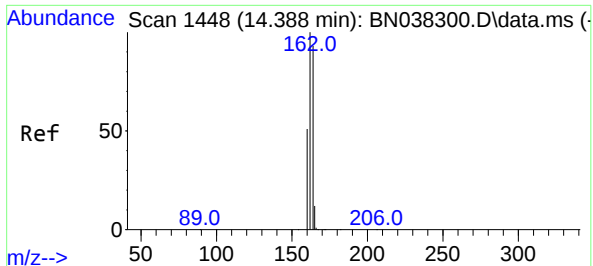
| Tgt Ion: | 82    | Resp: | 4905  |
|----------|-------|-------|-------|
| Ion      | Ratio | Lower | Upper |
| 82       | 100   |       |       |
| 128      | 48.4  | 34.0  | 51.0  |
| 54       | 52.9  | 44.4  | 66.6  |



#11  
2-Methylnaphthalene-d10  
Concen: 0.321 ng  
RT: 12.121 min Scan# 1144  
Delta R.T. -0.005 min  
Lab File: BN038352.D  
Acq: 12 Dec 2025 15:26

| Tgt Ion: | 152   | Resp: | 7150  |
|----------|-------|-------|-------|
| Ion      | Ratio | Lower | Upper |
| 152      | 100   |       |       |
| 151      | 20.9  | 17.0  | 25.6  |

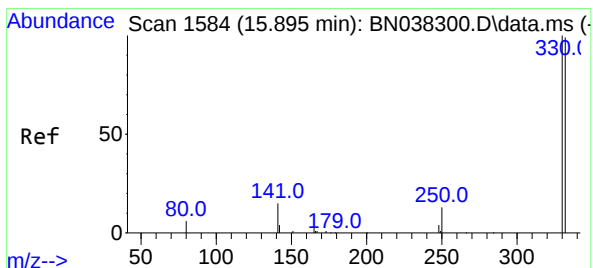
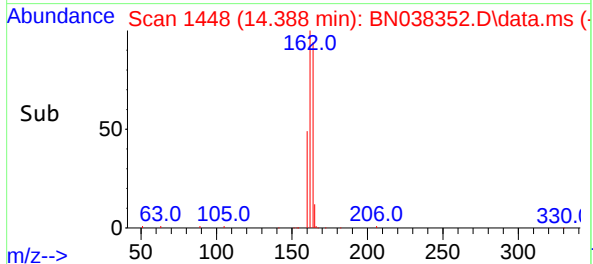
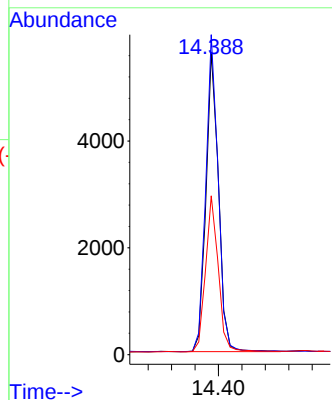
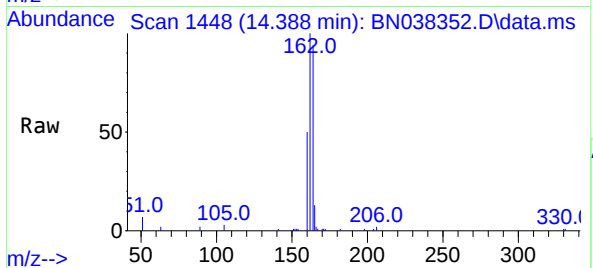




#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.388 min Scan# 1448  
Delta R.T. -0.011 min  
Lab File: BN038352.D  
Acq: 12 Dec 2025 15:26

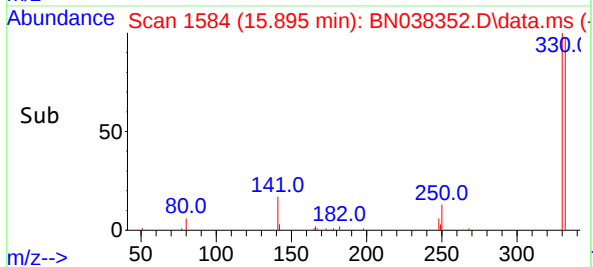
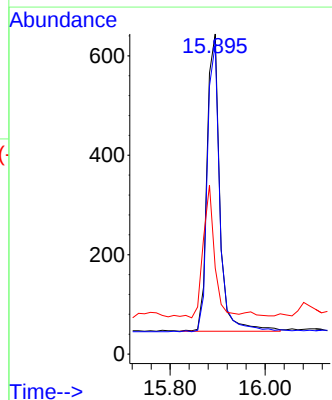
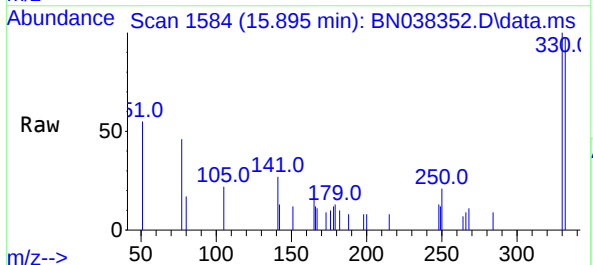
Instrument :  
BNA\_N  
ClientSampleId :  
FB01-120925

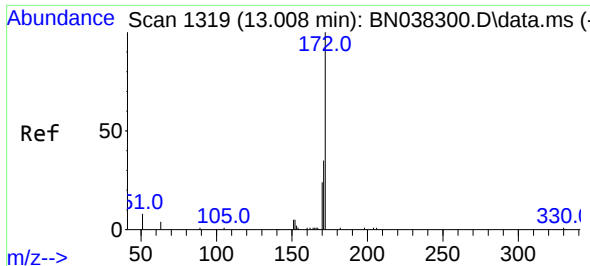
Tgt Ion:164 Resp: 8352  
Ion Ratio Lower Upper  
164 100  
162 105.8 86.2 129.4  
160 52.5 44.6 67.0



#14  
2,4,6-Tribromophenol  
Concen: 0.304 ng  
RT: 15.895 min Scan# 1584  
Delta R.T. 0.000 min  
Lab File: BN038352.D  
Acq: 12 Dec 2025 15:26

Tgt Ion:330 Resp: 1125  
Ion Ratio Lower Upper  
330 100  
332 95.4 75.8 113.6  
141 38.9 31.8 47.8

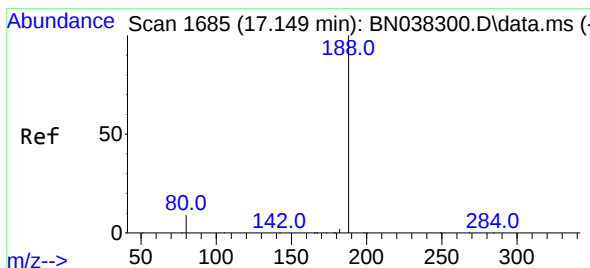
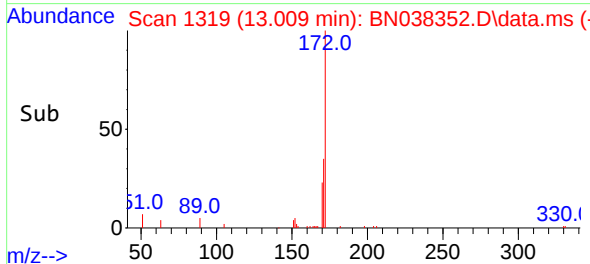
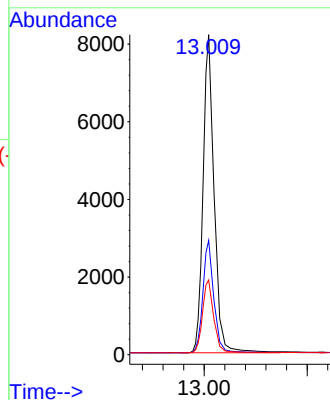
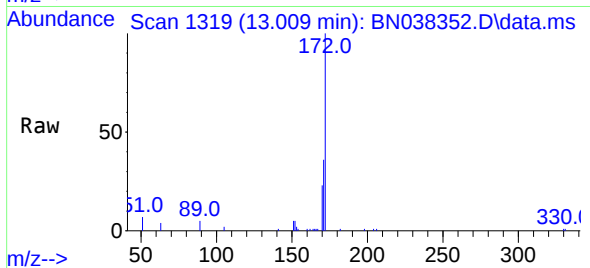




#15  
2-Fluorobiphenyl  
Concen: 0.354 ng  
RT: 13.009 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BN038352.D  
Acq: 12 Dec 2025 15:26

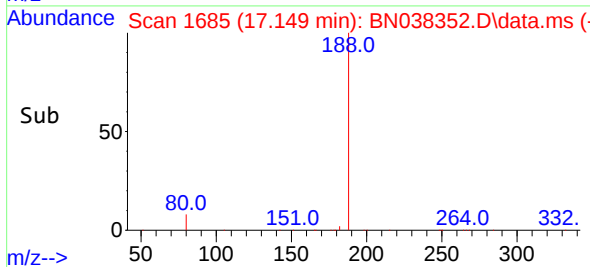
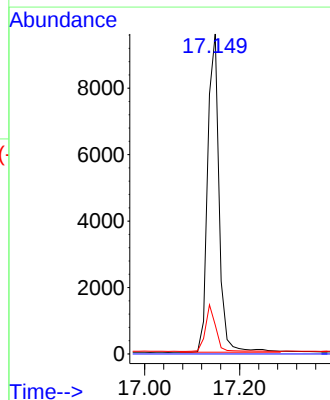
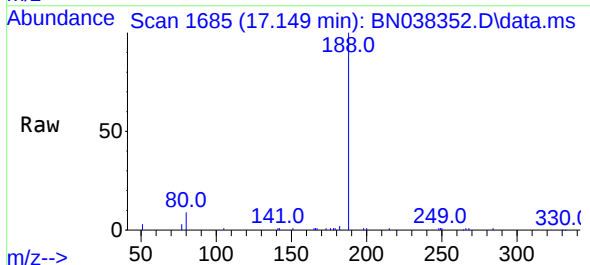
Instrument :  
BNA\_N  
ClientSampleId :  
FB01-120925

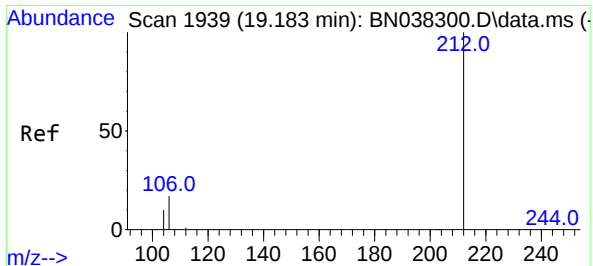
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.7  | 28.6  | 42.8  |
| 170     | 23.4  | 19.3  | 28.9  |



#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.149 min Scan# 1685  
Delta R.T. 0.000 min  
Lab File: BN038352.D  
Acq: 12 Dec 2025 15:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 0.0   | 0.0   | 0.0   |
| 80      | 9.0   | 7.4   | 11.0  |





#27

Fluoranthene-d10

Concen: 0.380 ng

RT: 19.183 min Scan# 1939

Delta R.T. -0.005 min

Lab File: BN038352.D

Acq: 12 Dec 2025 15:26

Instrument :

BNA\_N

ClientSampleId :

FB01-120925

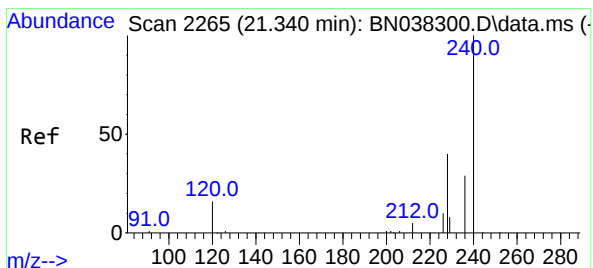
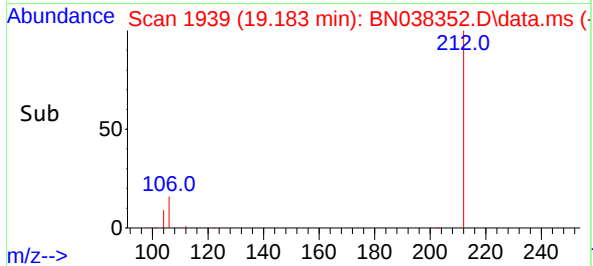
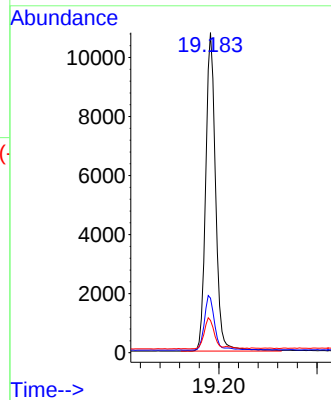
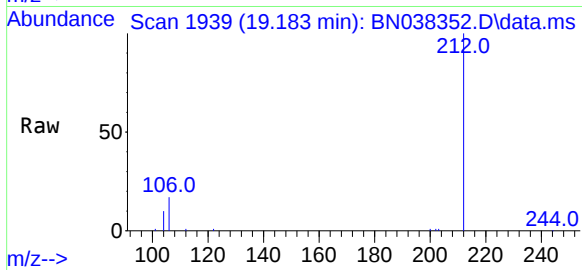
Tgt Ion:212 Resp: 15084

Ion Ratio Lower Upper

212 100

106 17.9 13.7 20.5

104 9.7 7.8 11.8



#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.340 min Scan# 2265

Delta R.T. 0.000 min

Lab File: BN038352.D

Acq: 12 Dec 2025 15:26

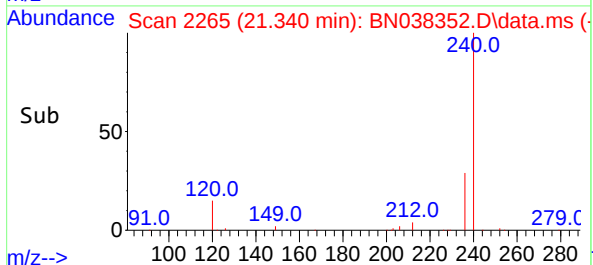
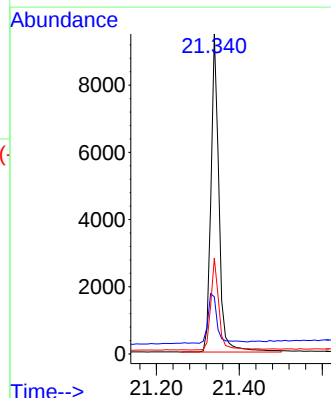
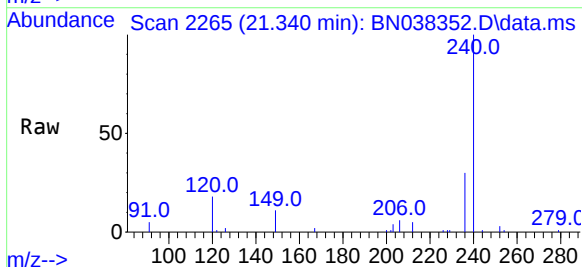
Tgt Ion:240 Resp: 12796

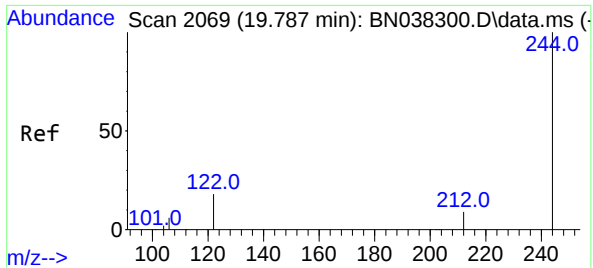
Ion Ratio Lower Upper

240 100

120 17.8 15.4 23.2

236 29.9 23.9 35.9

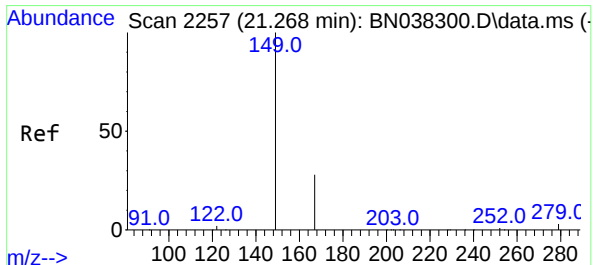
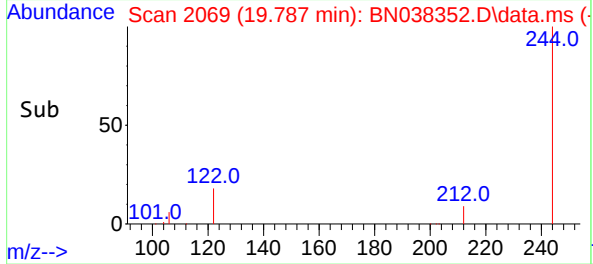
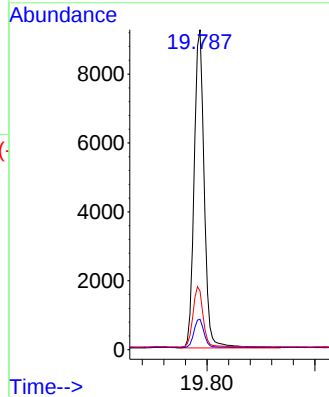
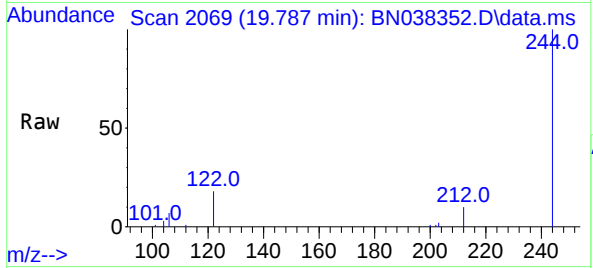




#31  
Terphenyl-d14  
Concen: 0.420 ng  
RT: 19.787 min Scan# 2069  
Delta R.T. -0.004 min  
Lab File: BN038352.D  
Acq: 12 Dec 2025 15:26

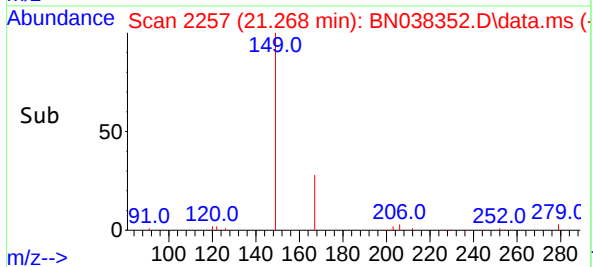
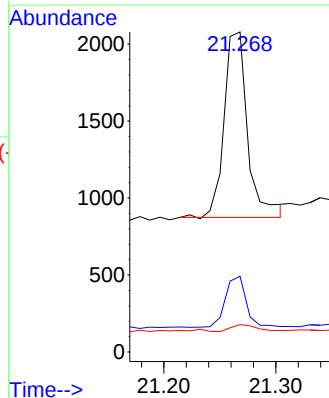
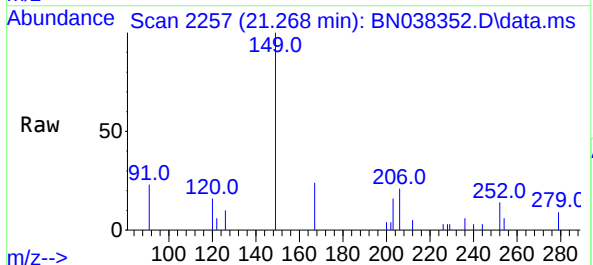
Instrument :  
BNA\_N  
ClientSampleId :  
FB01-120925

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 9.5   | 7.9   | 11.9  |
| 122     | 18.3  | 15.0  | 22.6  |

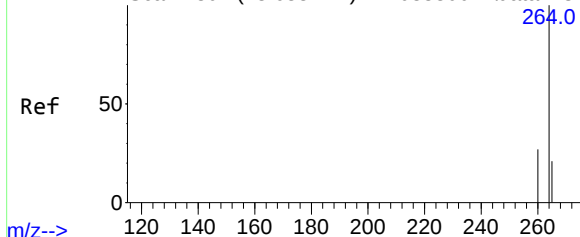


#34  
Bis(2-ethylhexyl)phthalate  
Concen: 0.065 ng  
RT: 21.268 min Scan# 2257  
Delta R.T. 0.000 min  
Lab File: BN038352.D  
Acq: 12 Dec 2025 15:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 24.8  | 21.4  | 32.0  |
| 279     | 4.4   | 2.4   | 3.6   |



Abundance Scan 2804 (23.633 min): BN038300.D\data.ms (-



#35

Perylene-d12

Concen: 0.400 ng

RT: 23.630 min Scan# 21

Delta R.T. -0.003 min

Lab File: BN038352.D

Acq: 12 Dec 2025 15:26

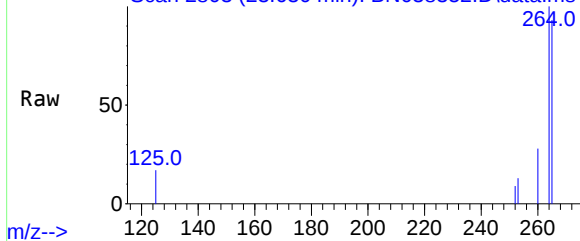
Instrument :

BNA\_N

ClientSampleId :

FB01-120925

Abundance Scan 2803 (23.630 min): BN038352.D\data.ms (-



Tgt Ion:264 Resp: 12638

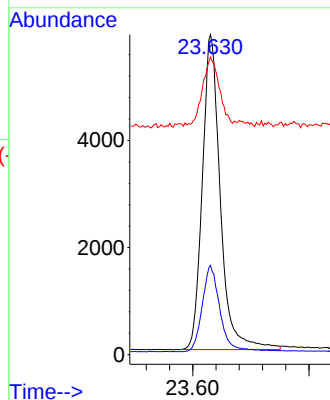
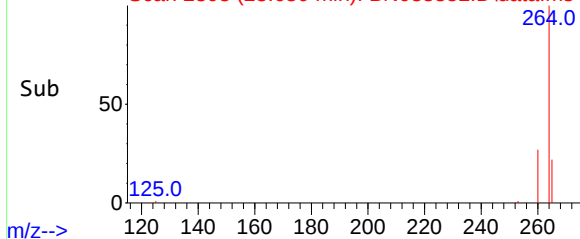
Ion Ratio Lower Upper

264 100

260 27.9 22.2 33.2

265 93.0 80.2 120.2

Abundance Scan 2803 (23.630 min): BN038352.D\data.ms (-





# CALIBRATION SUMMARY



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

6C

## SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: AllianceContract: JAC005Lab Code: ACESDG No.: Q3828Instrument ID: BNA\_NCalibration Date(s): 12/10/2025 12/10/2025Calibration Time(s): 09:52 13:30

| LAB FILE ID:            |        | RRF0.1 = BN038298.D |        | RRF0.2 = BN038299.D |        | RRF0.4 = BN038300.D |       |       |
|-------------------------|--------|---------------------|--------|---------------------|--------|---------------------|-------|-------|
|                         |        | RRF0.8 = BN038301.D |        | RRF1.6 = BN038302.D |        | RRF3.2 = BN038303.D |       |       |
| COMPOUND                | RRF0.1 | RRF0.2              | RRF0.4 | RRF0.8              | RRF1.6 | RRF3.2              | RRF   | % RSD |
| 2-Methylnaphthalene-d10 | 0.543  | 0.548               | 0.549  | 0.554               | 0.559  | 0.598               | 0.564 | 4.2   |
| Fluoranthene-d10        | 0.930  | 0.947               | 0.984  | 0.983               | 0.984  | 1.045               | 0.990 | 4.6   |
| 2-Fluorophenol          | 0.954  | 1.034               | 0.988  | 0.981               | 0.978  | 1.020               | 0.996 | 2.9   |
| Phenol-d6               | 1.098  | 1.157               | 1.151  | 1.158               | 1.186  | 1.263               | 1.184 | 5.4   |
| Nitrobenzene-d5         | 0.325  | 0.324               | 0.329  | 0.332               | 0.334  | 0.358               | 0.337 | 4.4   |
| 2-Fluorobiphenyl        | 1.940  | 1.951               | 1.927  | 1.838               | 1.874  | 2.046               | 1.914 | 4.1   |
| 2,4,6-Tribromophenol    | 0.165  | 0.162               | 0.167  | 0.168               | 0.175  | 0.196               | 0.177 | 9.5   |
| Terphenyl-d14           | 0.913  | 0.917               | 0.881  | 0.880               | 0.863  | 0.893               | 0.893 | 2.2   |
| 1,4-Dioxane             |        | 0.506               | 0.465  | 0.443               | 0.442  | 0.456               | 0.459 | 5.5   |

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1

Method Path : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\  
 Method File : 8270-SIM-BN121025.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 Last Update : Wed Dec 10 13:56:50 2025  
 Response Via : Initial Calibration

## Calibration Files

0.1 =BN038298.D 0.2 =BN038299.D 0.4 =BN038300.D 0.8 =BN038301.D 1.6 =BN038302.D 3.2 =BN038303.D 5 =BN038304.D

|          | Compound              | 0.1            | 0.2   | 0.4   | 0.8   | 1.6   | 3.2   | 5     | Avg   | %RSD  |
|----------|-----------------------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|
| -----    |                       |                |       |       |       |       |       |       |       |       |
| 1) I     | 1,4-Dichlorobenzen... | -----ISTD----- |       |       |       |       |       |       |       |       |
| 2)       | 1,4-Dioxane           | 0.506          | 0.465 | 0.443 | 0.442 | 0.456 | 0.440 | 0.459 |       | 5.48  |
| 3)       | n-Nitrosodimet...     | 0.568          | 0.572 | 0.568 | 0.577 | 0.590 | 0.574 | 0.575 |       | 1.42  |
| 4) S     | 2-Fluorophenol        | 0.954          | 1.034 | 0.988 | 0.981 | 0.978 | 1.020 | 1.019 | 0.996 | 2.88  |
| 5) S     | Phenol-d6             | 1.098          | 1.157 | 1.151 | 1.158 | 1.186 | 1.263 | 1.277 | 1.184 | 5.44  |
| 6)       | bis(2-Chloroet...     | 1.156          | 1.171 | 1.166 | 1.149 | 1.144 | 1.176 | 1.147 | 1.158 | 1.10  |
|          |                       |                |       |       |       |       |       |       |       |       |
| 7) I     | Naphthalene-d8        | -----ISTD----- |       |       |       |       |       |       |       |       |
| 8) S     | Nitrobenzene-d5       | 0.325          | 0.324 | 0.329 | 0.332 | 0.334 | 0.358 | 0.359 | 0.337 | 4.38  |
| 9)       | Naphthalene           | 1.174          | 1.185 | 1.168 | 1.155 | 1.159 | 1.231 | 1.205 | 1.182 | 2.30  |
| 10)      | Hexachlorobuta...     | 0.218          | 0.213 | 0.210 | 0.207 | 0.205 | 0.212 | 0.206 | 0.210 | 2.24  |
| 11) SURR | 2-Methylnaphth...     | 0.543          | 0.548 | 0.549 | 0.554 | 0.559 | 0.598 | 0.599 | 0.564 | 4.23  |
| 12)      | 2-Methylnaphth...     | 0.722          | 0.735 | 0.731 | 0.737 | 0.747 | 0.794 | 0.789 | 0.751 | 3.85  |
|          |                       |                |       |       |       |       |       |       |       |       |
| 13) I    | Acenaphthene-d10      | -----ISTD----- |       |       |       |       |       |       |       |       |
| 14) S    | 2,4,6-Tribromo...     | 0.167          | 0.163 | 0.167 | 0.169 | 0.175 | 0.197 | 0.205 | 0.177 | 9.30  |
| 15) S    | 2-Fluorobiphenyl      | 1.940          | 1.951 | 1.974 | 1.838 | 1.897 | 2.070 | 1.819 | 1.927 | 4.45  |
| 16)      | Acenaphthylene        | 1.890          | 1.885 | 1.903 | 1.918 | 1.931 | 2.131 | 2.092 | 1.964 | 5.21  |
| 17)      | Acenaphthene          | 1.311          | 1.329 | 1.342 | 1.351 | 1.358 | 1.460 | 1.430 | 1.369 | 4.01  |
| 18)      | Fluorene              | 1.790          | 1.706 | 1.707 | 1.735 | 1.727 | 1.858 | 1.802 | 1.761 | 3.24  |
|          |                       |                |       |       |       |       |       |       |       |       |
| 19) I    | Phenanthrene-d10      | -----ISTD----- |       |       |       |       |       |       |       |       |
| 20)      | 4,6-Dinitro-2-...     | 0.054          | 0.057 | 0.064 | 0.069 | 0.085 |       | 0.066 |       | 18.62 |
| 21)      | 4-Bromophenyl-...     | 0.288          | 0.291 | 0.287 | 0.291 | 0.293 | 0.310 | 0.318 | 0.297 | 4.12  |
| 22)      | Hexachlorobenzene     | 0.370          | 0.366 | 0.350 | 0.350 | 0.347 | 0.358 | 0.357 | 0.357 | 2.40  |
| 23)      | Atrazine              | 0.184          | 0.196 | 0.190 | 0.197 | 0.200 | 0.221 | 0.229 | 0.202 | 8.11  |
| 24)      | Pentachlorophenol     | 0.124          | 0.121 | 0.121 | 0.126 | 0.134 | 0.156 | 0.174 | 0.139 | 15.30 |
| 25)      | Phenanthrene          | 1.412          | 1.373 | 1.363 | 1.350 | 1.353 | 1.439 | 1.456 | 1.392 | 3.12  |
| 26)      | Anthracene            | 1.149          | 1.119 | 1.141 | 1.184 | 1.186 | 1.300 | 1.323 | 1.200 | 6.67  |
| 27) SURR | Fluoranthene-d10      | 0.928          | 0.947 | 0.984 | 0.983 | 0.984 | 1.045 | 1.053 | 0.989 | 4.66  |
| 28)      | Fluoranthene          | 1.419          | 1.413 | 1.459 | 1.466 | 1.473 | 1.562 | 1.566 | 1.480 | 4.17  |
|          |                       |                |       |       |       |       |       |       |       |       |
| 29) I    | Chrysene-d12          | -----ISTD----- |       |       |       |       |       |       |       |       |
| 30)      | Pyrene                | 2.038          | 1.968 | 1.920 | 1.909 | 1.890 | 2.022 | 2.037 | 1.969 | 3.25  |
| 31) S    | Terphenyl-d14         | 0.913          | 0.917 | 0.881 | 0.879 | 0.863 | 0.893 | 0.903 | 0.893 | 2.20  |
| 32)      | Benzo(a)anthra...     | 1.476          | 1.537 | 1.479 | 1.501 | 1.513 | 1.638 | 1.672 | 1.545 | 5.08  |
| 33)      | Chrysene              | 1.653          | 1.712 | 1.721 | 1.709 | 1.674 | 1.745 | 1.697 | 1.701 | 1.79  |
| 34)      | Bis(2-ethylhex...     | 1.002          | 0.845 | 0.779 | 0.754 | 0.828 | 0.879 | 0.848 |       | 10.38 |
|          |                       |                |       |       |       |       |       |       |       |       |
| 35) I    | Perylene-d12          | -----ISTD----- |       |       |       |       |       |       |       |       |

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

Method File : 8270-SIM-BN121025.M

|       |                   |       |       |       |       |       |       |       |       |      |
|-------|-------------------|-------|-------|-------|-------|-------|-------|-------|-------|------|
| 36)   | Indeno(1,2,3-c... | 1.813 | 2.040 | 2.122 | 2.116 | 2.115 | 2.321 | 2.330 | 2.123 | 8.27 |
| 37)   | Benzo(b)fluora... | 1.673 | 1.831 | 1.783 | 1.776 | 1.827 | 1.987 | 1.984 | 1.837 | 6.18 |
| 38)   | Benzo(k)fluora... | 1.597 | 1.793 | 1.796 | 1.812 | 1.823 | 2.006 | 1.994 | 1.832 | 7.57 |
| 39) C | Benzo(a)pyrene    | 1.355 | 1.459 | 1.469 | 1.459 | 1.479 | 1.640 | 1.663 | 1.503 | 7.27 |
| 40)   | Dibenzo(a,h)an... | 1.396 | 1.521 | 1.619 | 1.624 | 1.651 | 1.823 | 1.822 | 1.637 | 9.37 |
| 41)   | Benzo(g,h,i)pe... | 1.622 | 1.816 | 1.812 | 1.806 | 1.818 | 1.966 | 1.964 | 1.829 | 6.34 |

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

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN121025\  
 Data File : BN038298.D  
 Acq On : 10 Dec 2025 09:52  
 Operator : RC/JU  
 Sample : SSTDICC0.1  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTDICC0.1

Quant Time: Dec 10 13:58:59 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN121025.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 10 13:56:50 2025  
 Response via : Initial Calibration

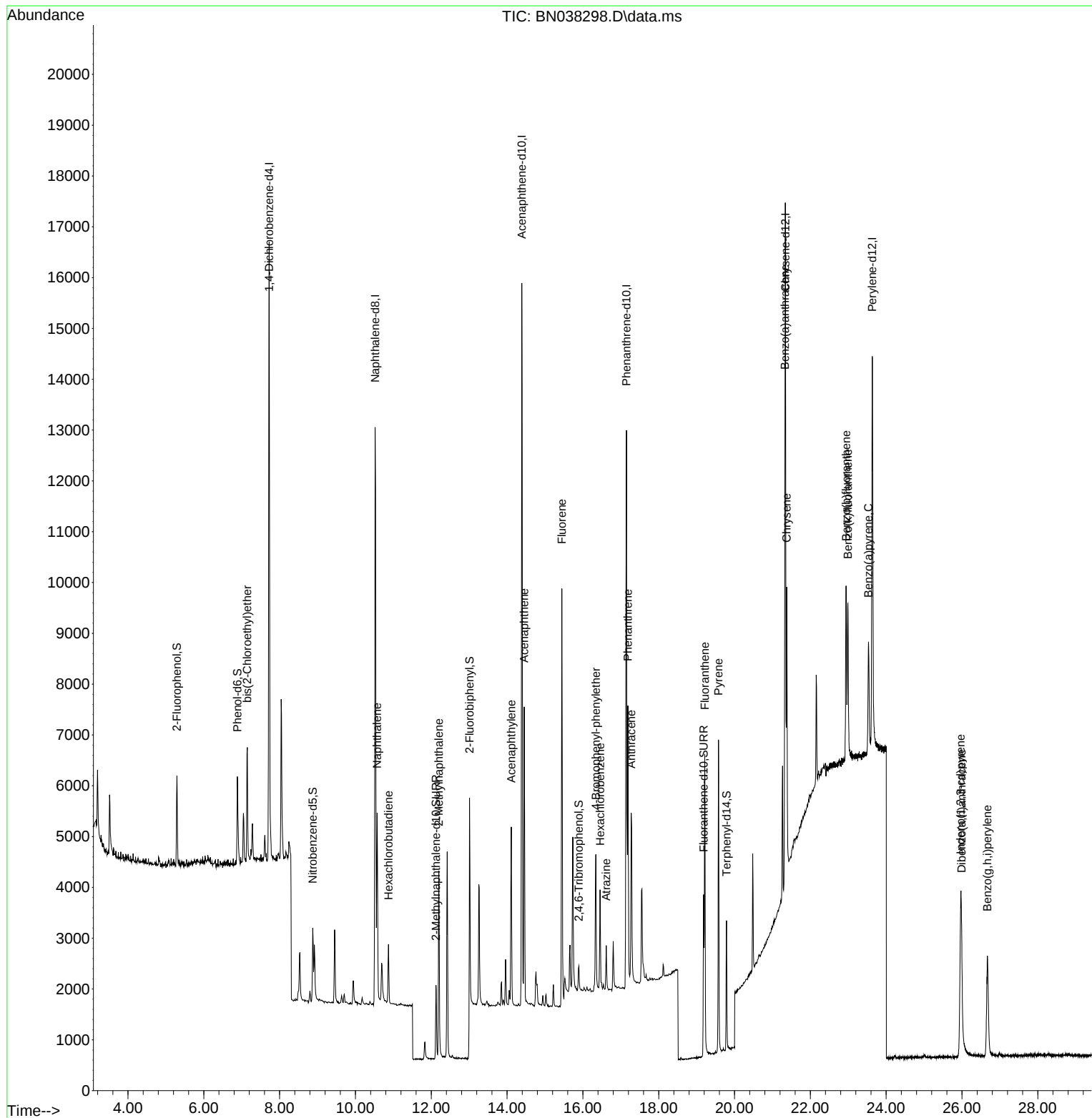
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.724  | 152  | 6259     | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.520 | 136  | 16430    | 0.400 | ng    | #-0.01   |
| 13) Acenaphthene-d10          | 14.388 | 164  | 8491     | 0.400 | ng    | -0.01    |
| 19) Phenanthrene-d10          | 17.149 | 188  | 15796    | 0.400 | ng    | 0.00     |
| 29) Chrysene-d12              | 21.340 | 240  | 11291    | 0.400 | ng    | 0.00     |
| 35) Perylene-d12              | 23.633 | 264  | 10537    | 0.400 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.291  | 112  | 1492     | 0.096 | ng    | 0.00     |
| 5) Phenol-d6                  | 6.887  | 99   | 1718     | 0.093 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 8.875  | 82   | 1335     | 0.096 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10   | 12.126 | 152  | 2230     | 0.096 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 15.895 | 330  | 351      | 0.093 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 13.009 | 172  | 4119     | 0.101 | ng    | 0.00     |
| 27) Fluoranthene-d10          | 19.188 | 212  | 3672     | 0.094 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.787 | 244  | 2576     | 0.102 | ng    | 0.00     |
| Target Compounds              |        |      |          |       |       |          |
|                               |        |      |          |       |       | Qvalue   |
| 6) bis(2-Chloroethyl)ether    | 7.147  | 93   | 1809     | 0.100 | ng    | 99       |
| 9) Naphthalene                | 10.573 | 128  | 4821     | 0.099 | ng    | 96       |
| 10) Hexachlorobutadiene       | 10.872 | 225  | 896      | 0.104 | ng    | # 99     |
| 12) 2-Methylnaphthalene       | 12.202 | 142  | 2965     | 0.096 | ng    | 98       |
| 16) Acenaphthylene            | 14.110 | 152  | 4012     | 0.096 | ng    | 99       |
| 17) Acenaphthene              | 14.452 | 154  | 2783     | 0.096 | ng    | 95       |
| 18) Fluorene                  | 15.446 | 166  | 3800     | 0.102 | ng    | 98       |
| 21) 4-Bromophenyl-phenylether | 16.342 | 248  | 1138     | 0.097 | ng    | 96       |
| 22) Hexachlorobenzene         | 16.454 | 284  | 1462     | 0.104 | ng    | 97       |
| 23) Atrazine                  | 16.615 | 200  | 727      | 0.091 | ng    | # 94     |
| 25) Phenanthrene              | 17.186 | 178  | 5585     | 0.102 | ng    | 100      |
| 26) Anthracene                | 17.273 | 178  | 4544     | 0.096 | ng    | 99       |
| 28) Fluoranthene              | 19.215 | 202  | 5615     | 0.096 | ng    | 99       |
| 30) Pyrene                    | 19.578 | 202  | 5753     | 0.103 | ng    | 100      |
| 32) Benzo(a)anthracene        | 21.331 | 228  | 4166     | 0.096 | ng    | 98       |
| 33) Chrysene                  | 21.375 | 228  | 4665     | 0.097 | ng    | 98       |
| 36) Indeno(1,2,3-cd)pyrene    | 25.967 | 276  | 4777     | 0.085 | ng    | 98       |
| 37) Benzo(b)fluoranthene      | 22.943 | 252  | 4408     | 0.091 | ng    | # 64     |
| 38) Benzo(k)fluoranthene      | 22.990 | 252  | 4206     | 0.087 | ng    | # 62     |
| 39) Benzo(a)pyrene            | 23.534 | 252  | 3570     | 0.090 | ng    | # 55     |
| 40) Dibenzo(a,h)anthracene    | 25.987 | 278  | 3677     | 0.085 | ng    | # 75     |
| 41) Benzo(g,h,i)perylene      | 26.671 | 276  | 4274     | 0.089 | ng    | # 87     |
| -----                         |        |      |          |       |       |          |

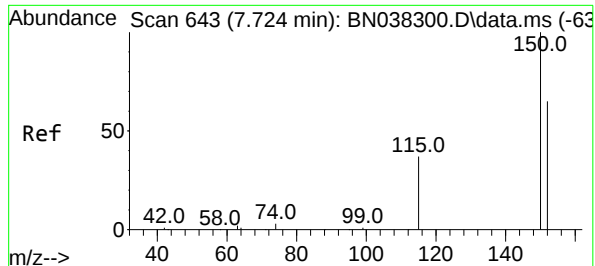
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN121025\  
Data File : BN038298.D  
Acq On : 10 Dec 2025 09:52  
Operator : RC/JU  
Sample : SSTDICC0.1  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC0.1

Quant Time: Dec 10 13:58:59 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN121025.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Dec 10 13:56:50 2025  
Response via : Initial Calibration

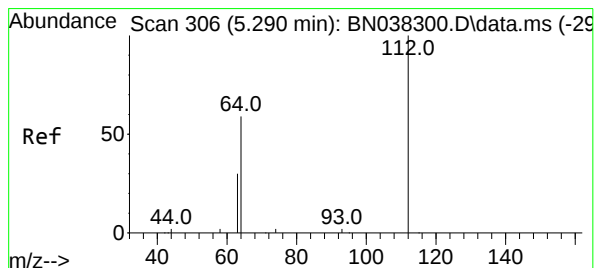
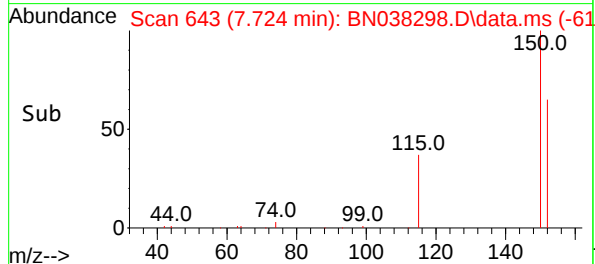
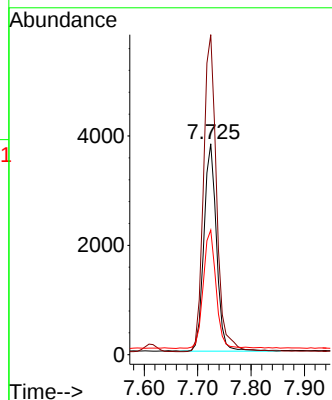
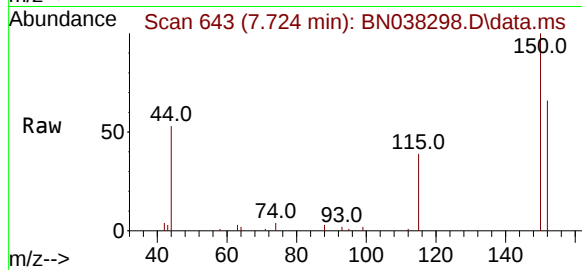




#1  
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.724 min Scan# 643  
Delta R.T. 0.000 min  
Lab File: BN038298.D  
Acq: 10 Dec 2025 09:52

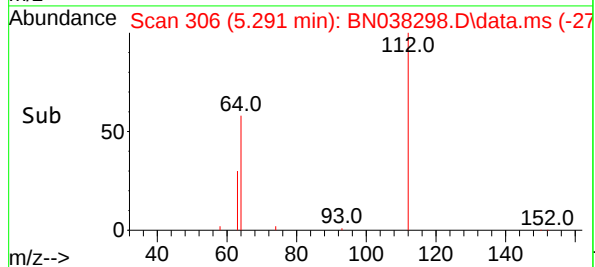
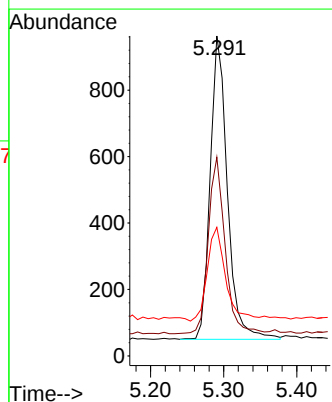
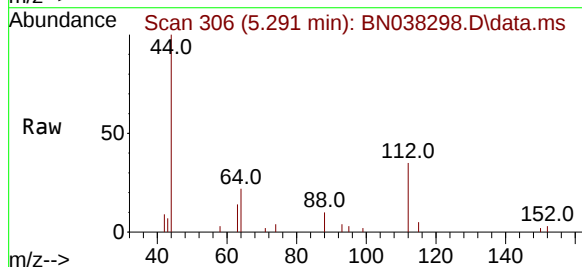
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC0.1

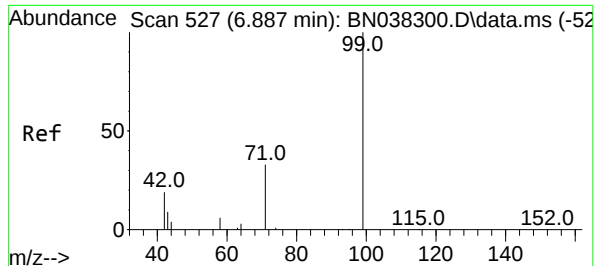
Tgt Ion:152 Resp: 6259  
Ion Ratio Lower Upper  
152 100  
150 151.8 122.4 183.6  
115 59.1 47.3 70.9



#4  
2-Fluorophenol  
Concen: 0.096 ng  
RT: 5.291 min Scan# 306  
Delta R.T. 0.000 min  
Lab File: BN038298.D  
Acq: 10 Dec 2025 09:52

Tgt Ion:112 Resp: 1492  
Ion Ratio Lower Upper  
112 100  
64 56.7 44.4 66.6  
63 33.1 23.4 35.0

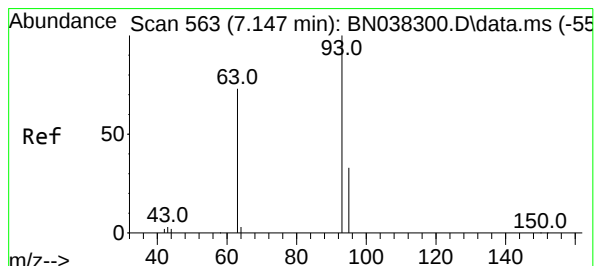
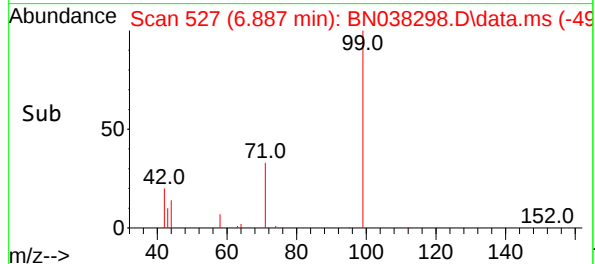
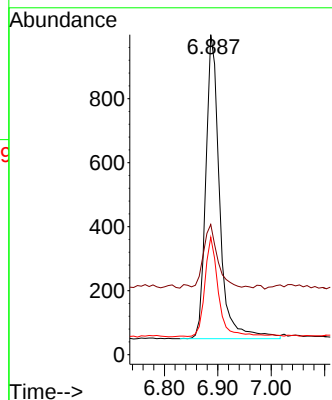
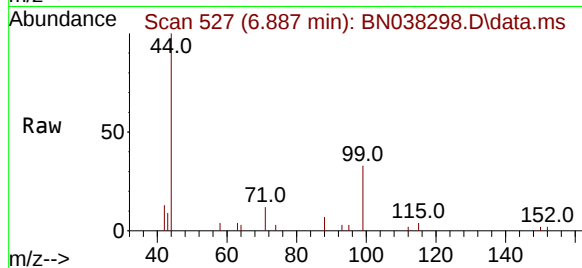




#5  
Phenol-d6  
Concen: 0.093 ng  
RT: 6.887 min Scan# 51  
Delta R.T. 0.000 min  
Lab File: BN038298.D  
Acq: 10 Dec 2025 09:52

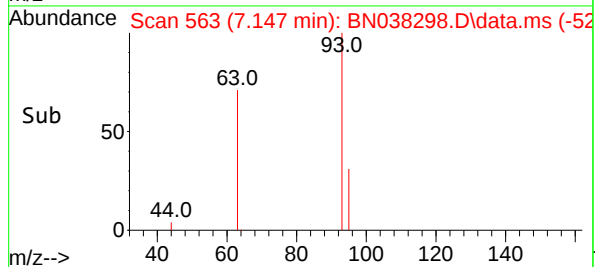
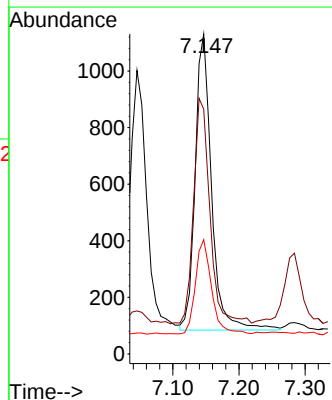
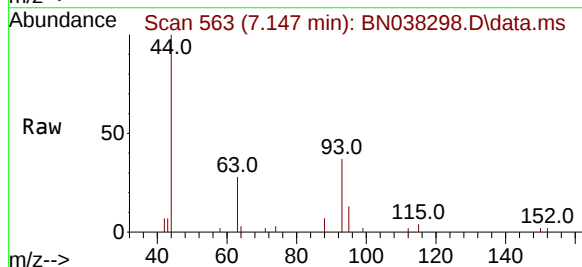
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC0.1

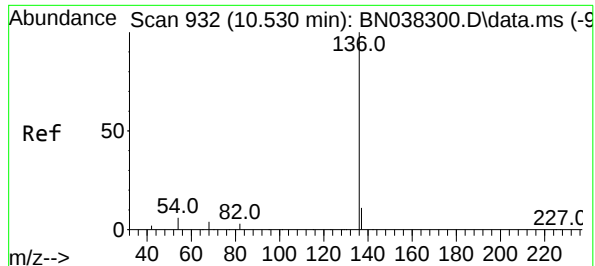
Tgt Ion: 99 Resp: 1718  
Ion Ratio Lower Upper  
99 100  
42 22.1 16.5 24.7  
71 32.3 24.9 37.3



#6  
bis(2-Chloroethyl)ether  
Concen: 0.100 ng  
RT: 7.147 min Scan# 563  
Delta R.T. 0.000 min  
Lab File: BN038298.D  
Acq: 10 Dec 2025 09:52

Tgt Ion: 93 Resp: 1809  
Ion Ratio Lower Upper  
93 100  
63 75.2 59.2 88.8  
95 31.2 25.2 37.8

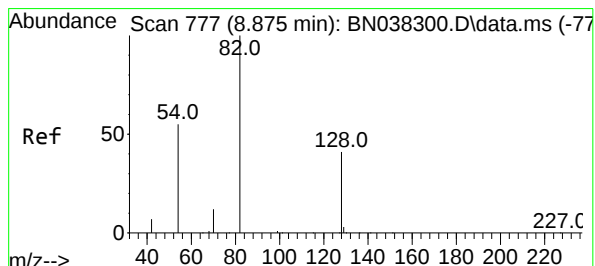
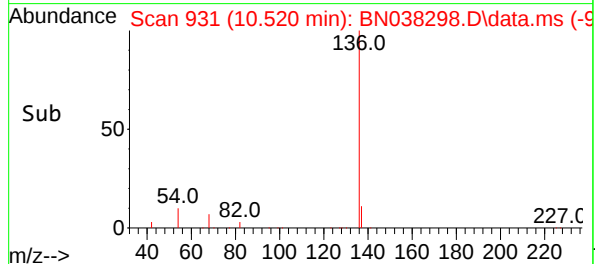
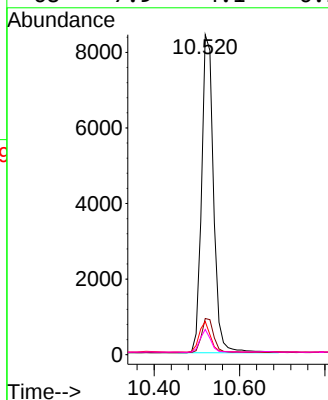
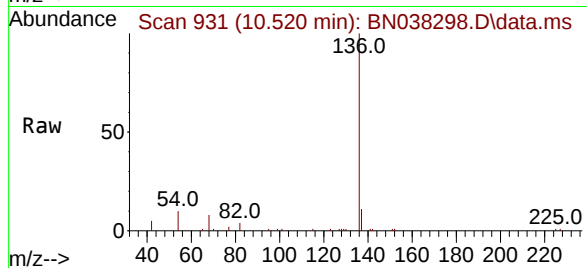




#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.520 min Scan# 911  
Delta R.T. -0.011 min  
Lab File: BN038298.D  
Acq: 10 Dec 2025 09:52

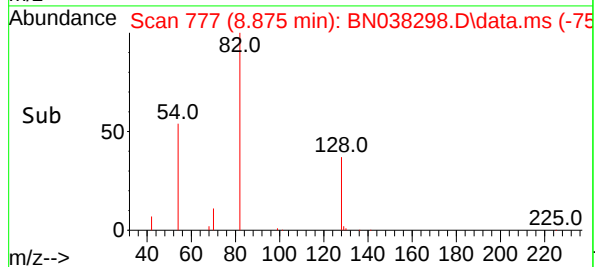
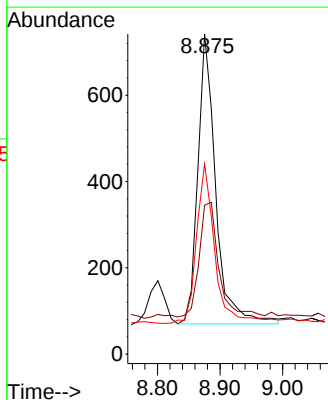
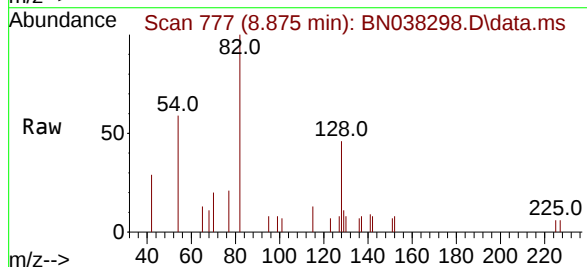
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC0.1

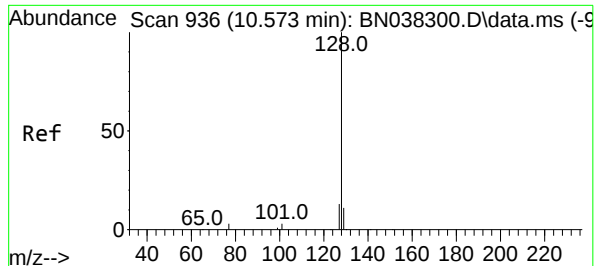
Tgt Ion:136 Resp: 16430  
Ion Ratio Lower Upper  
136 100  
137 11.3 9.1 13.7  
54 10.4 5.2 7.8#  
68 7.9 4.1 6.1#



#8  
Nitrobenzene-d5  
Concen: 0.096 ng  
RT: 8.875 min Scan# 777  
Delta R.T. 0.000 min  
Lab File: BN038298.D  
Acq: 10 Dec 2025 09:52

Tgt Ion: 82 Resp: 1335  
Ion Ratio Lower Upper  
82 100  
128 46.5 34.0 51.0  
54 59.4 44.4 66.6





#9  
Naphthalene

Concen: 0.099 ng

RT: 10.573 min Scan# 91

Delta R.T. 0.000 min

Lab File: BN038298.D

Acq: 10 Dec 2025 09:52

Instrument :

BNA\_N

ClientSampleId :

SSTDICC0.1

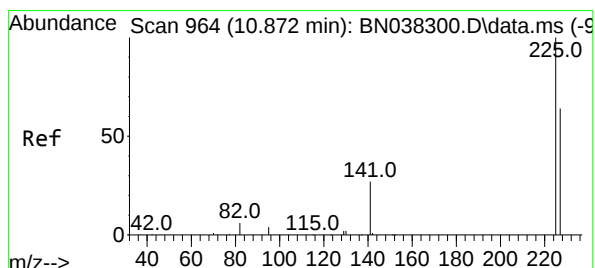
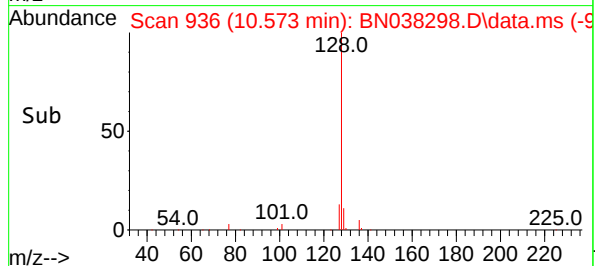
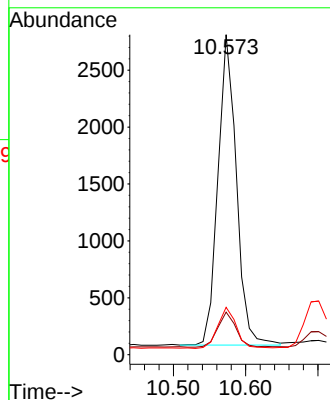
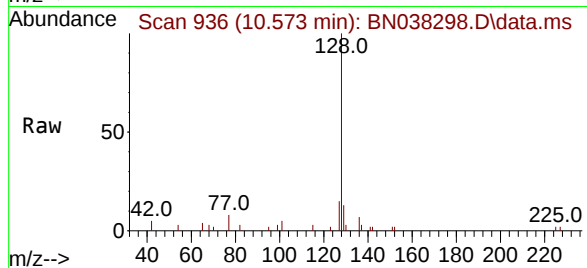
Tgt Ion:128 Resp: 4821

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

|     |     |  |  |
|-----|-----|--|--|
| 128 | 100 |  |  |
|-----|-----|--|--|

|     |      |     |      |
|-----|------|-----|------|
| 129 | 13.3 | 9.1 | 13.7 |
|-----|------|-----|------|

|     |      |      |      |
|-----|------|------|------|
| 127 | 14.8 | 10.9 | 16.3 |
|-----|------|------|------|



#10

Hexachlorobutadiene

Concen: 0.104 ng

RT: 10.872 min Scan# 964

Delta R.T. 0.000 min

Lab File: BN038298.D

Acq: 10 Dec 2025 09:52

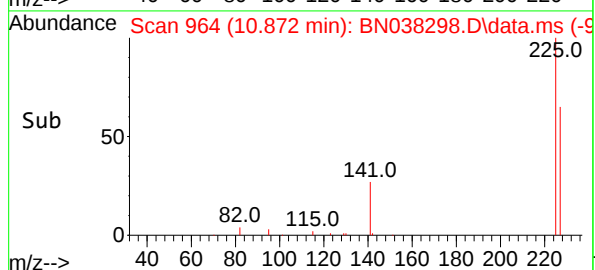
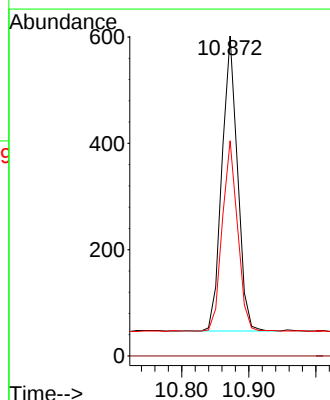
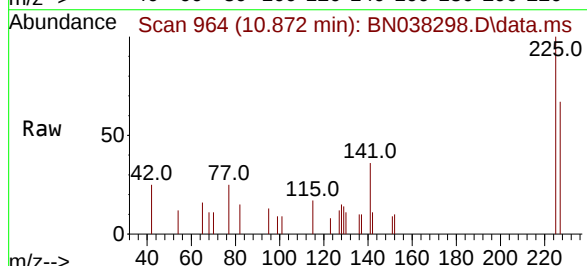
Tgt Ion:225 Resp: 896

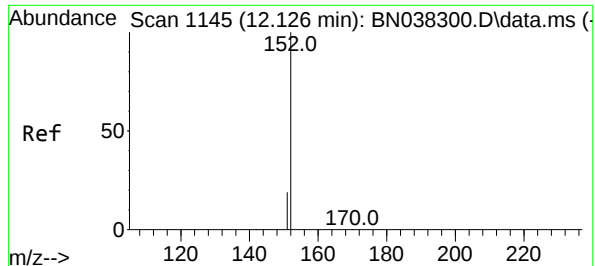
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
|-----|-------|-------|-------|

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

|     |     |     |     |
|-----|-----|-----|-----|
| 223 | 0.0 | 0.0 | 0.0 |
|-----|-----|-----|-----|

|     |      |      |      |
|-----|------|------|------|
| 227 | 63.2 | 51.2 | 76.8 |
|-----|------|------|------|

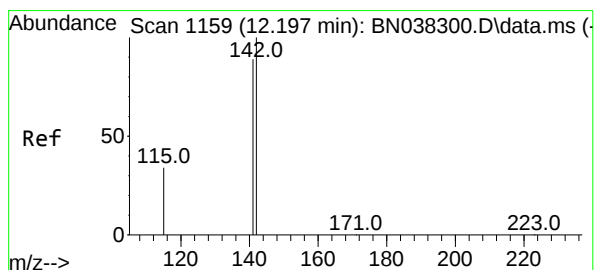
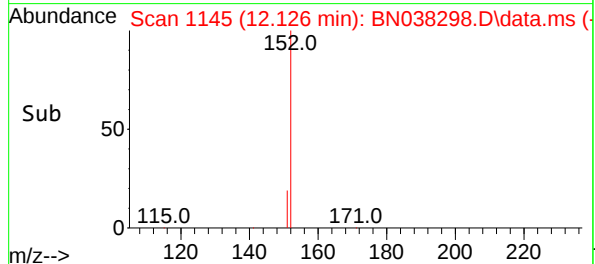
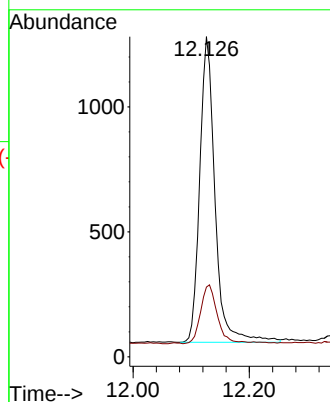
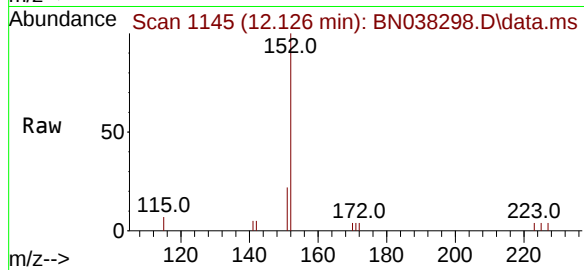




#11  
2-Methylnaphthalene-d10  
Concen: 0.096 ng  
RT: 12.126 min Scan# 1145  
Delta R.T. 0.000 min  
Lab File: BN038298.D  
Acq: 10 Dec 2025 09:52

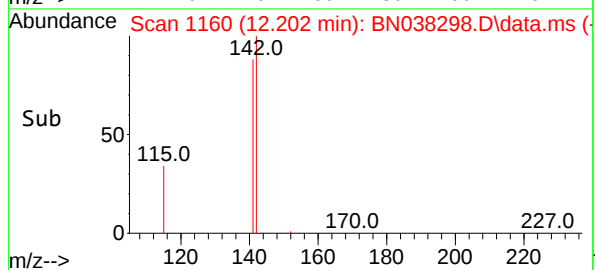
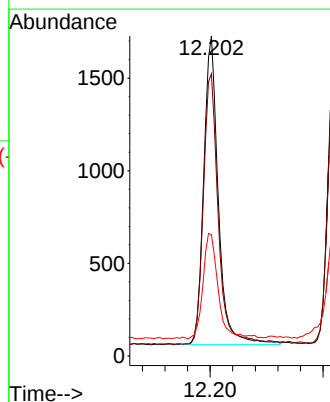
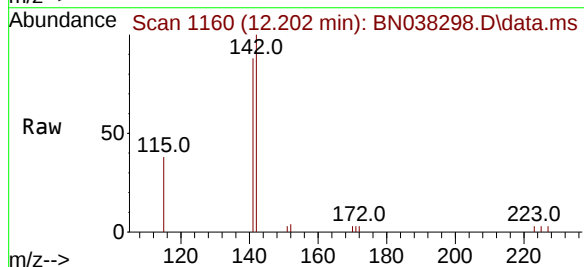
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC0.1

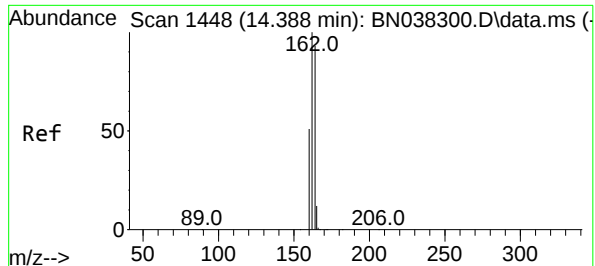
Tgt Ion:152 Resp: 2230  
Ion Ratio Lower Upper  
152 100  
151 21.2 17.0 25.6



#12  
2-Methylnaphthalene  
Concen: 0.096 ng  
RT: 12.202 min Scan# 1160  
Delta R.T. 0.000 min  
Lab File: BN038298.D  
Acq: 10 Dec 2025 09:52

Tgt Ion:142 Resp: 2965  
Ion Ratio Lower Upper  
142 100  
141 88.1 71.4 107.2  
115 38.0 28.4 42.6

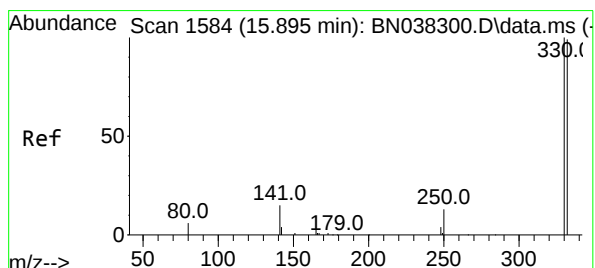
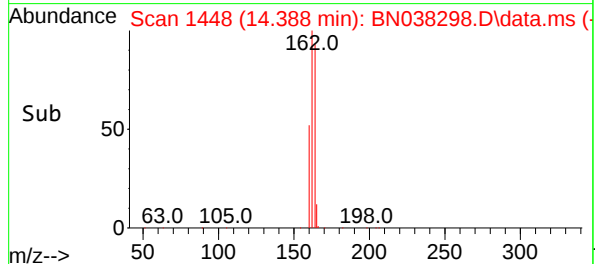
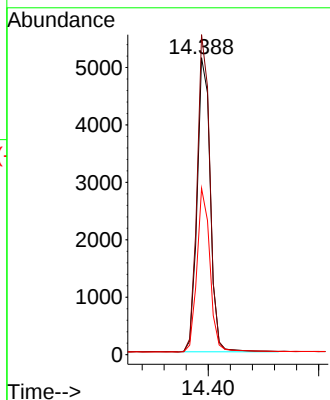
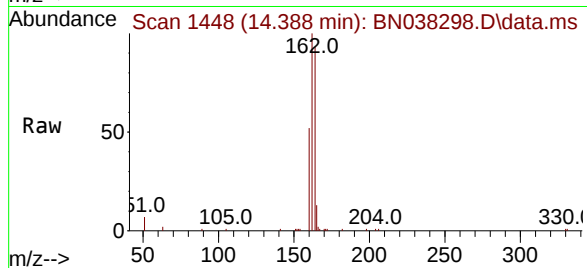




#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.388 min Scan# 1448  
Delta R.T. -0.011 min  
Lab File: BN038298.D  
Acq: 10 Dec 2025 09:52

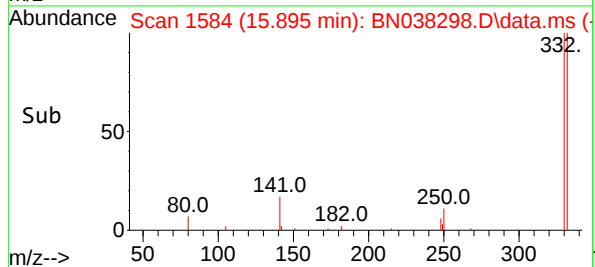
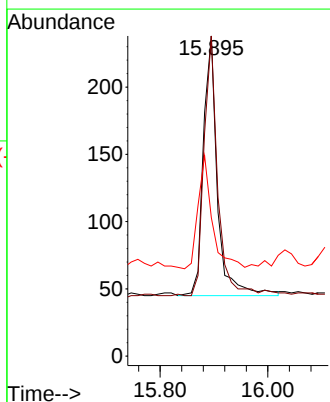
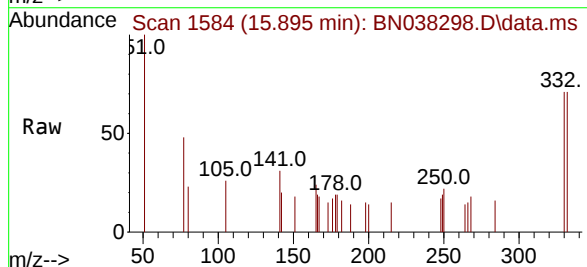
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC0.1

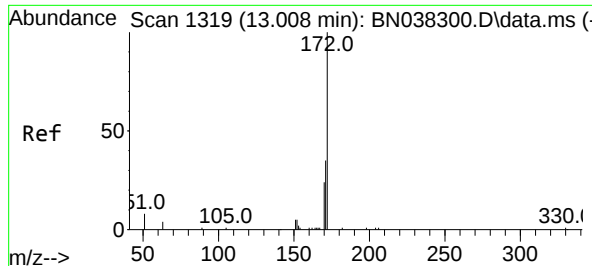
Tgt Ion:164 Resp: 8491  
Ion Ratio Lower Upper  
164 100  
162 107.7 86.2 129.4  
160 56.0 44.6 67.0



#14  
2,4,6-Tribromophenol  
Concen: 0.093 ng  
RT: 15.895 min Scan# 1584  
Delta R.T. 0.000 min  
Lab File: BN038298.D  
Acq: 10 Dec 2025 09:52

Tgt Ion:330 Resp: 351  
Ion Ratio Lower Upper  
330 100  
332 98.0 75.8 113.6  
141 43.6 31.8 47.8

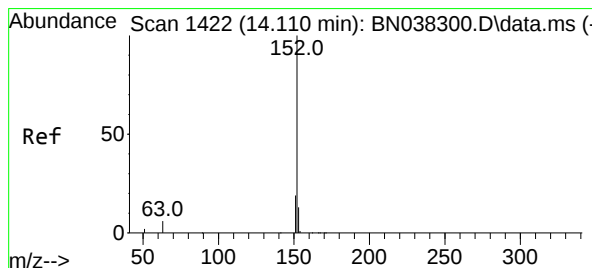
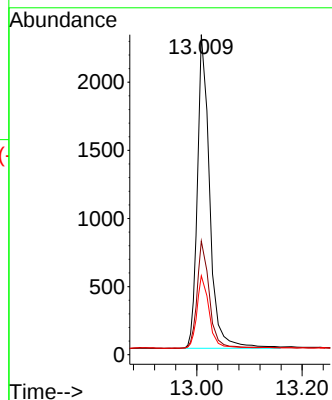
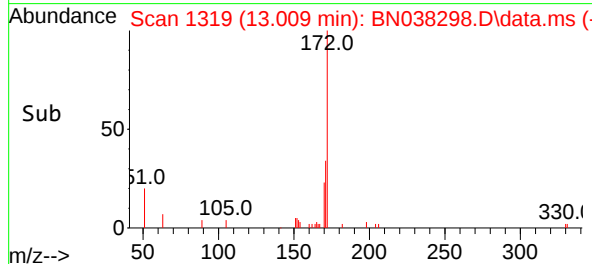
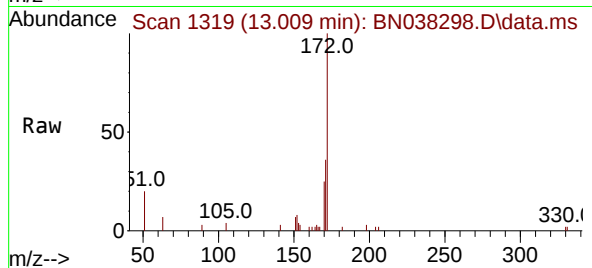




#15  
2-Fluorobiphenyl  
Concen: 0.101 ng  
RT: 13.009 min Scan# 1319  
Delta R.T. 0.000 min  
Lab File: BN038298.D  
Acq: 10 Dec 2025 09:52

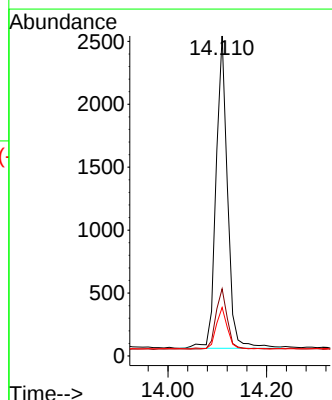
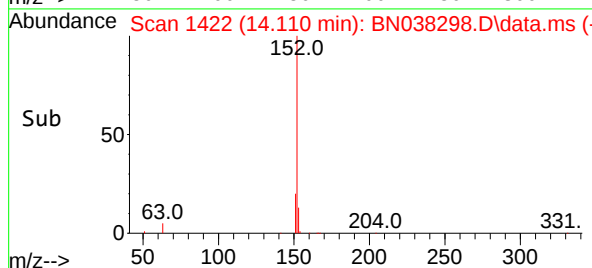
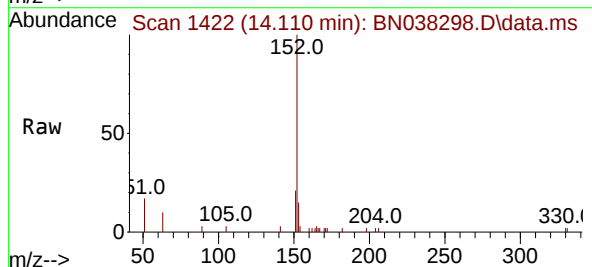
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC0.1

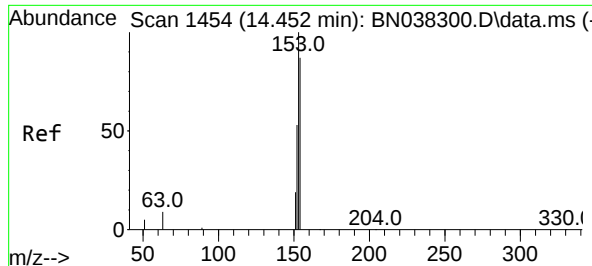
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.5  | 28.6  | 42.8  |
| 170     | 24.6  | 19.3  | 28.9  |



#16  
Acenaphthylene  
Concen: 0.096 ng  
RT: 14.110 min Scan# 1422  
Delta R.T. 0.000 min  
Lab File: BN038298.D  
Acq: 10 Dec 2025 09:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 19.1  | 15.4  | 23.2  |
| 153     | 13.4  | 10.2  | 15.4  |

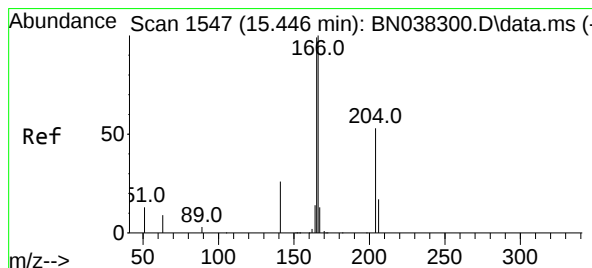
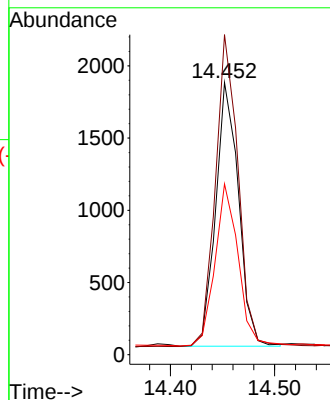
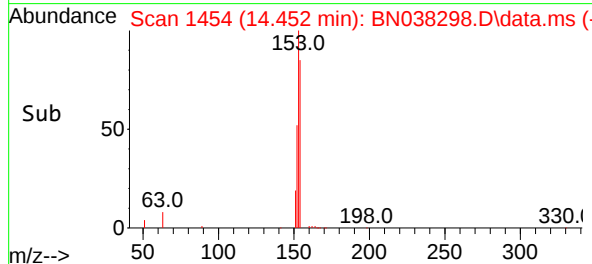
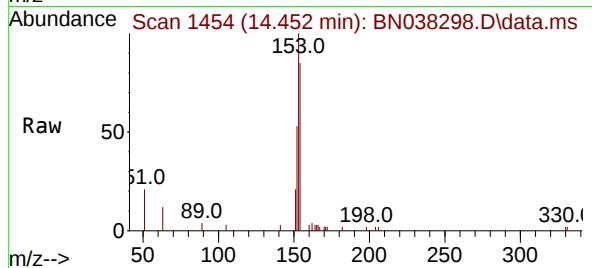




#17  
Acenaphthene  
Concen: 0.096 ng  
RT: 14.452 min Scan# 1454  
Delta R.T. -0.011 min  
Lab File: BN038298.D  
Acq: 10 Dec 2025 09:52

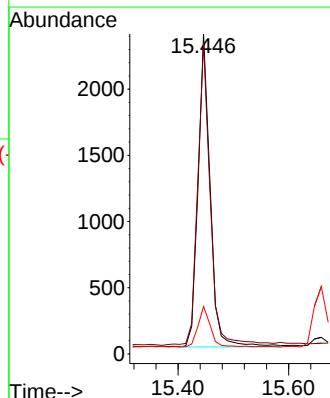
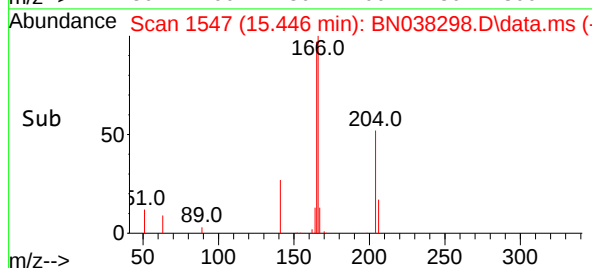
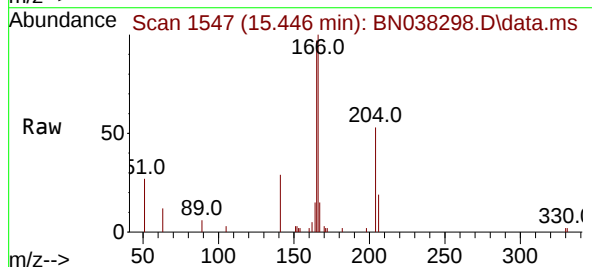
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC0.1

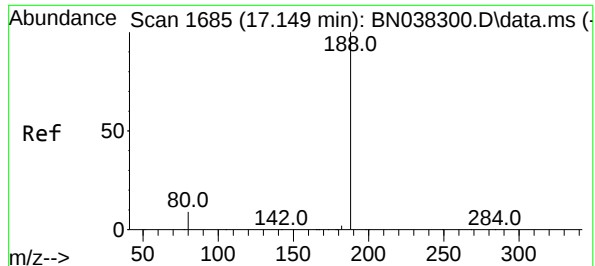
Tgt Ion:154 Resp: 2783  
Ion Ratio Lower Upper  
154 100  
153 118.0 89.8 134.8  
152 63.1 47.5 71.3



#18  
Fluorene  
Concen: 0.102 ng  
RT: 15.446 min Scan# 1547  
Delta R.T. 0.000 min  
Lab File: BN038298.D  
Acq: 10 Dec 2025 09:52

Tgt Ion:166 Resp: 3800  
Ion Ratio Lower Upper  
166 100  
165 98.0 80.2 120.4  
167 13.5 10.6 16.0





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.149 min Scan# 1685

Delta R.T. 0.000 min

Lab File: BN038298.D

Acq: 10 Dec 2025 09:52

Instrument :

BNA\_N

ClientSampleId :

SSTDICC0.1

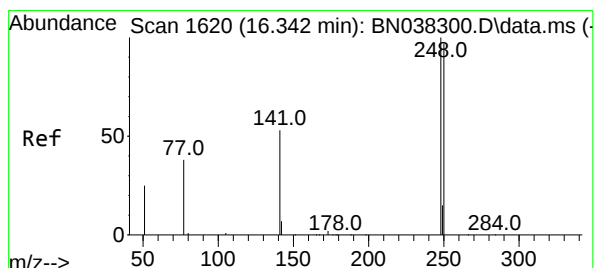
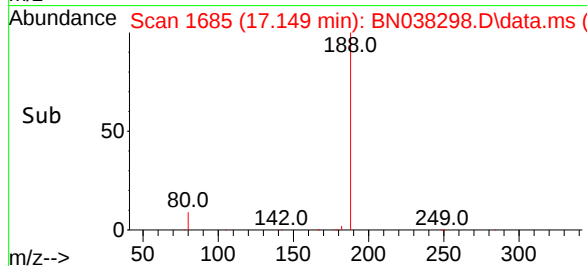
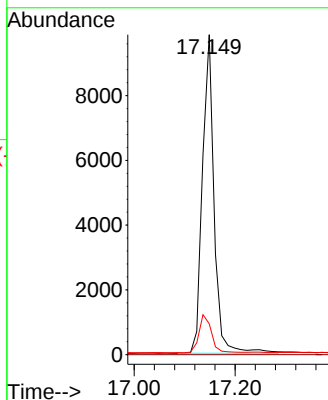
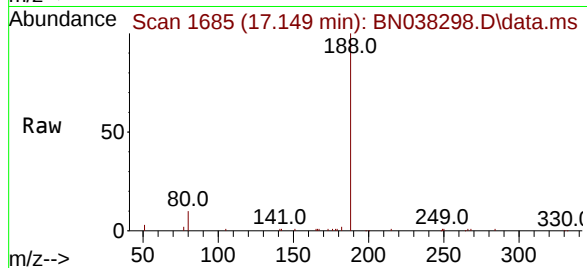
Tgt Ion:188 Resp: 15796

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 9.7 7.4 11.0



#21

4-Bromophenyl-phenylether

Concen: 0.097 ng

RT: 16.342 min Scan# 1620

Delta R.T. -0.000 min

Lab File: BN038298.D

Acq: 10 Dec 2025 09:52

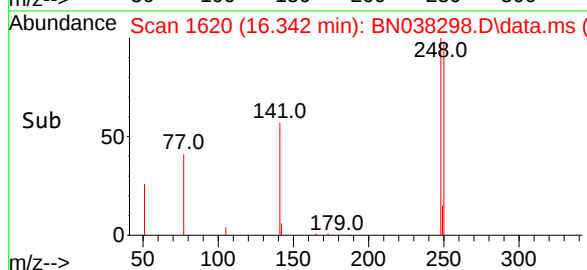
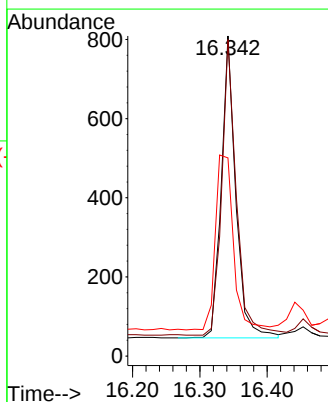
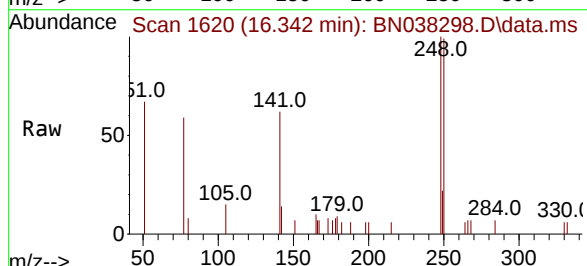
Tgt Ion:248 Resp: 1138

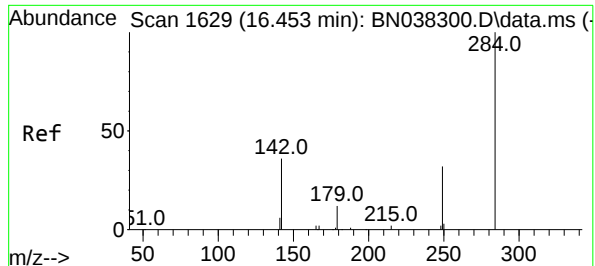
Ion Ratio Lower Upper

248 100

250 98.9 78.2 117.2

141 61.9 43.7 65.5





#22

Hexachlorobenzene

Concen: 0.104 ng

RT: 16.454 min Scan# 1629

Delta R.T. -0.012 min

Lab File: BN038298.D

Acq: 10 Dec 2025 09:52

Instrument :

BNA\_N

ClientSampleId :

SSTDICC0.1

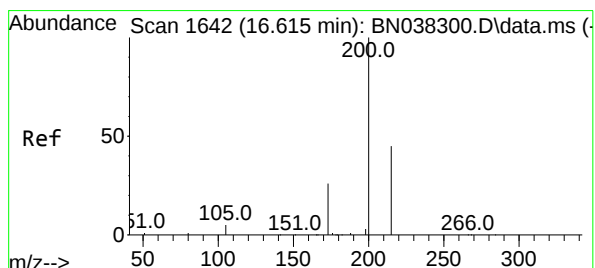
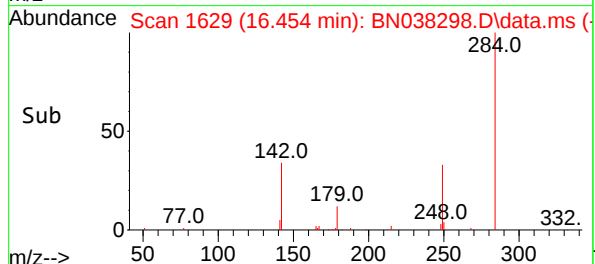
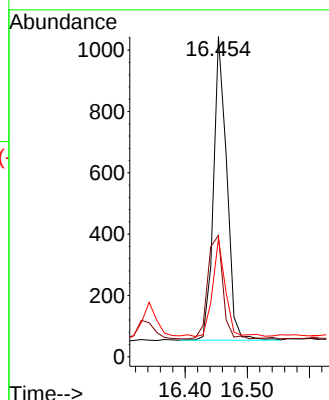
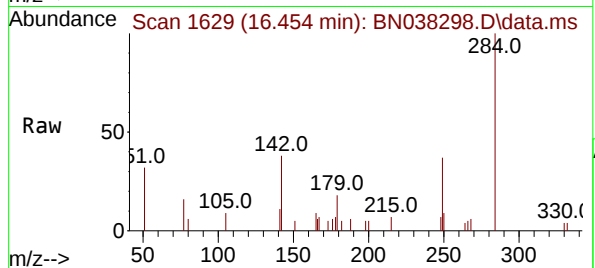
Tgt Ion:284 Resp: 1462

Ion Ratio Lower Upper

284 100

142 39.2 29.5 44.3

249 31.1 23.7 35.5



#23

Atrazine

Concen: 0.091 ng

RT: 16.615 min Scan# 1642

Delta R.T. 0.000 min

Lab File: BN038298.D

Acq: 10 Dec 2025 09:52

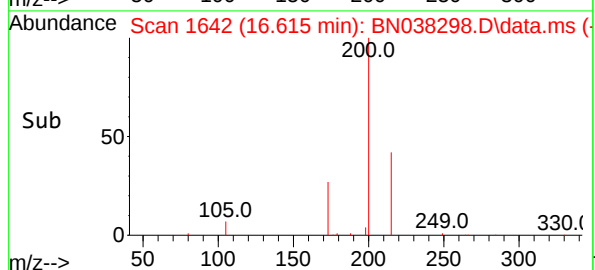
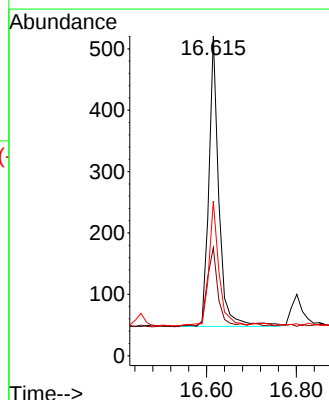
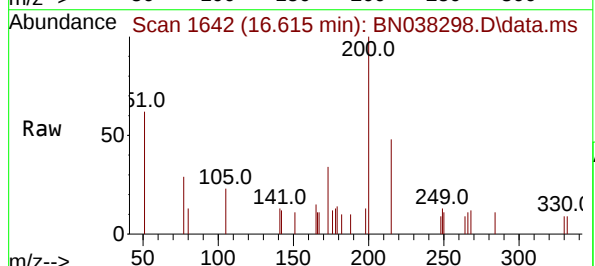
Tgt Ion:200 Resp: 727

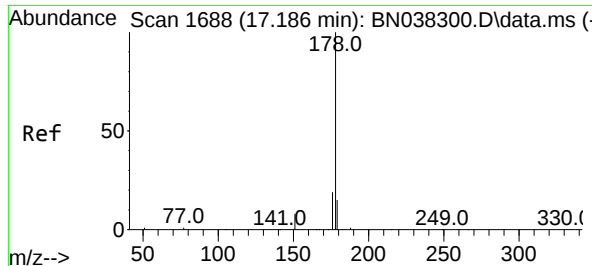
Ion Ratio Lower Upper

200 100

173 33.8 22.1 33.1#

215 48.4 37.4 56.2

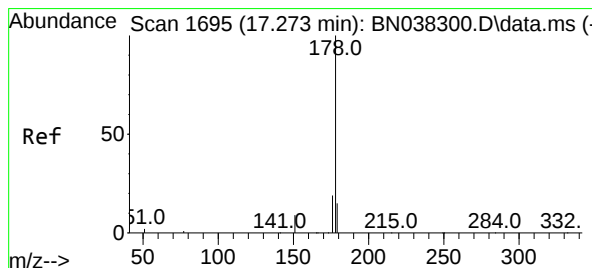
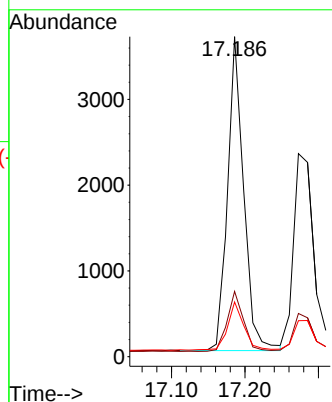
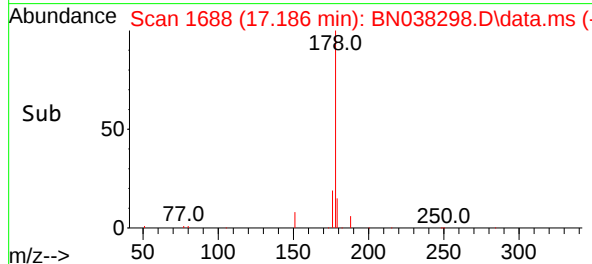
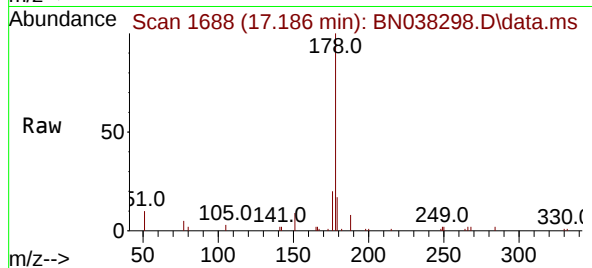




#25  
Phenanthrene  
Concen: 0.102 ng  
RT: 17.186 min Scan# 1688  
Delta R.T. 0.000 min  
Lab File: BN038298.D  
Acq: 10 Dec 2025 09:52

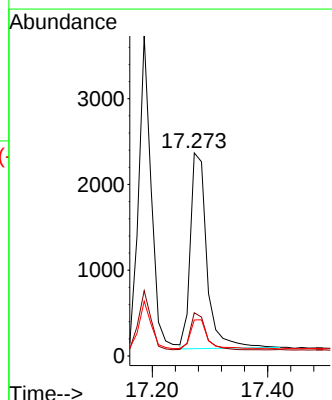
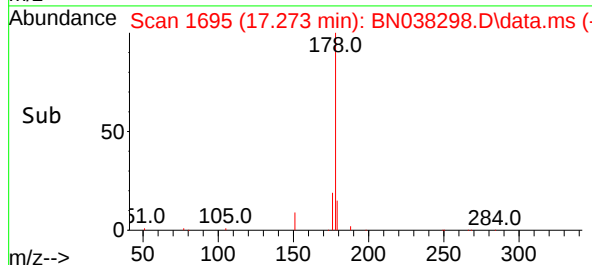
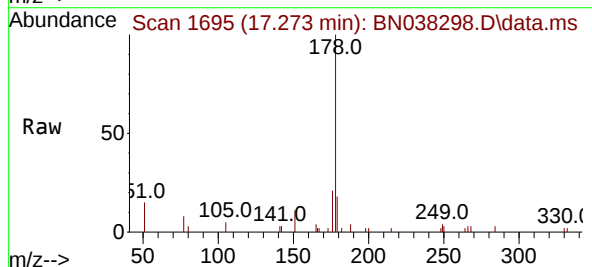
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC0.1

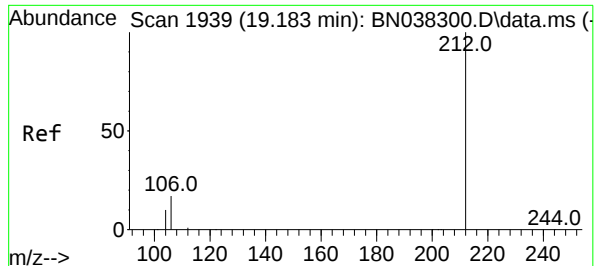
Tgt Ion:178 Resp: 5585  
Ion Ratio Lower Upper  
178 100  
176 19.4 15.5 23.3  
179 15.6 12.2 18.2



#26  
Anthracene  
Concen: 0.096 ng  
RT: 17.273 min Scan# 1695  
Delta R.T. -0.012 min  
Lab File: BN038298.D  
Acq: 10 Dec 2025 09:52

Tgt Ion:178 Resp: 4544  
Ion Ratio Lower Upper  
178 100  
176 18.7 15.1 22.7  
179 15.9 12.0 18.0





#27

Fluoranthene-d10

Concen: 0.094 ng

RT: 19.188 min Scan# 1940

Delta R.T. 0.000 min

Lab File: BN038298.D

Acq: 10 Dec 2025 09:52

Instrument :

BNA\_N

ClientSampleId :

SSTDICC0.1

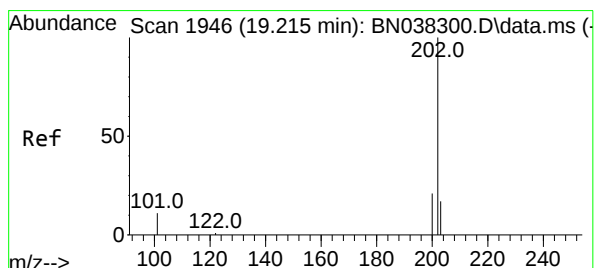
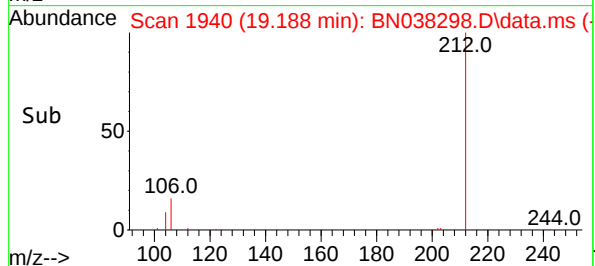
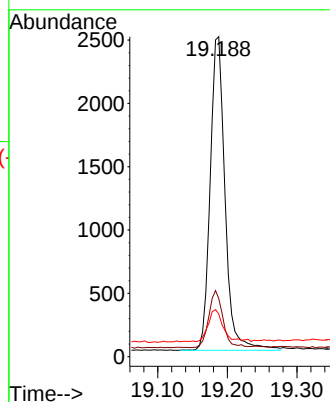
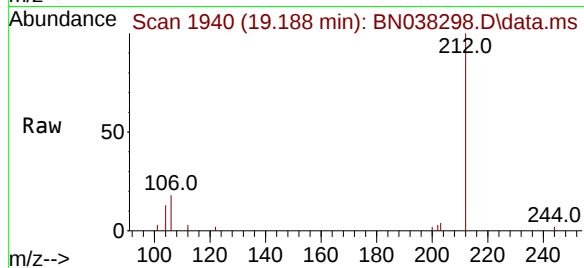
Tgt Ion:212 Resp: 3672

Ion Ratio Lower Upper

212 100

106 17.3 13.7 20.5

104 10.2 7.8 11.8



#28

Fluoranthene

Concen: 0.096 ng

RT: 19.215 min Scan# 1946

Delta R.T. -0.004 min

Lab File: BN038298.D

Acq: 10 Dec 2025 09:52

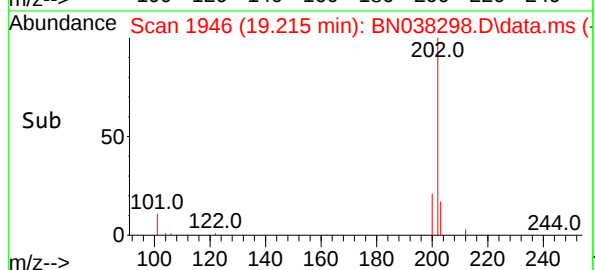
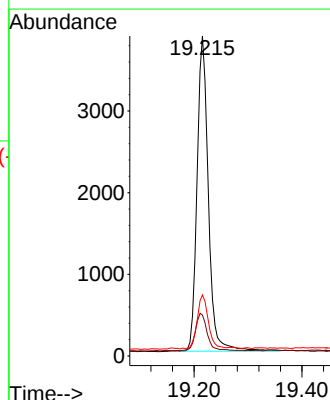
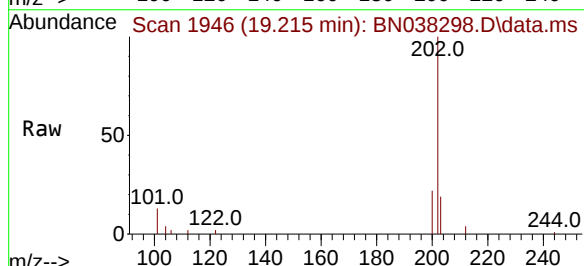
Tgt Ion:202 Resp: 5615

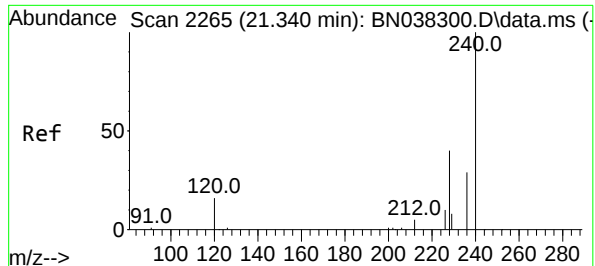
Ion Ratio Lower Upper

202 100

101 12.3 9.6 14.4

203 17.1 13.5 20.3





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.340 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN038298.D

Acq: 10 Dec 2025 09:52

Instrument :

BNA\_N

ClientSampleId :

SSTDICC0.1

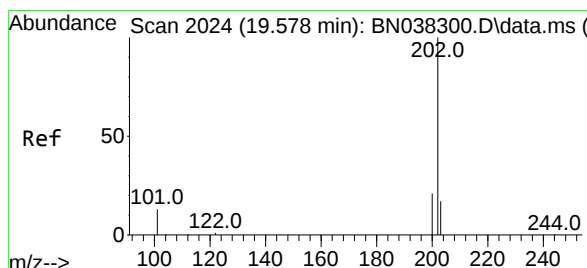
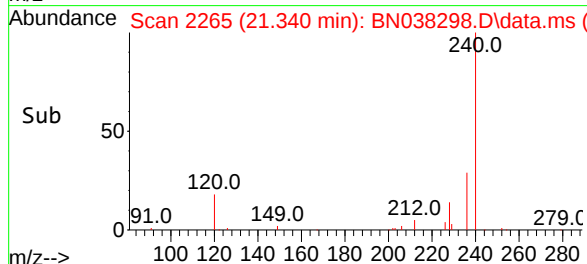
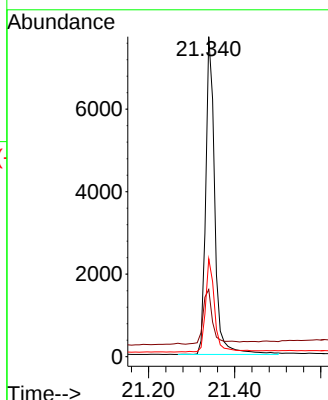
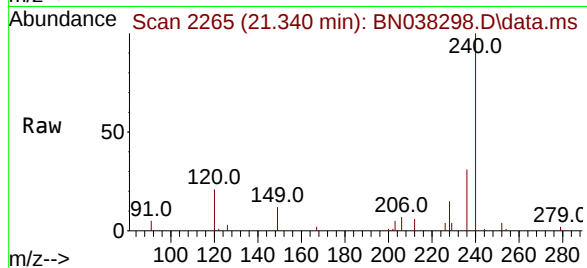
Tgt Ion:240 Resp: 11291

Ion Ratio Lower Upper

240 100

120 21.0 15.4 23.2

236 30.6 23.9 35.9



#30

Pyrene

Concen: 0.103 ng

RT: 19.578 min Scan# 2024

Delta R.T. -0.004 min

Lab File: BN038298.D

Acq: 10 Dec 2025 09:52

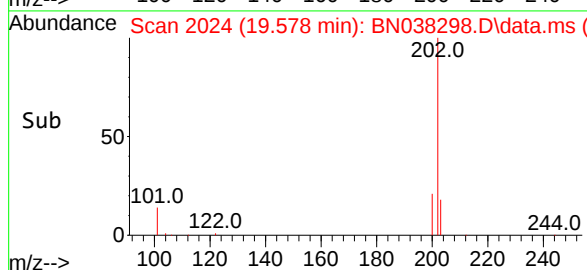
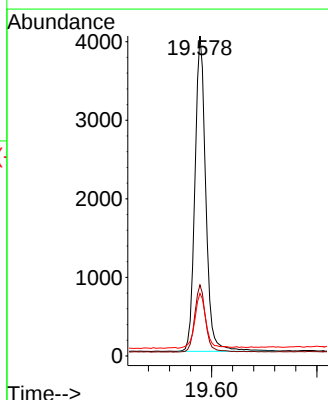
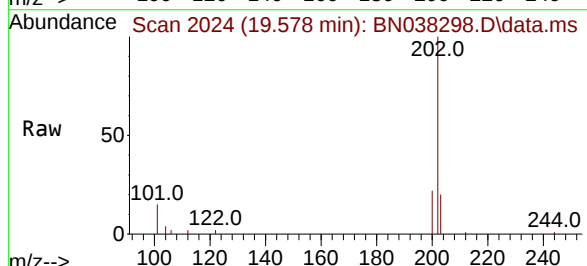
Tgt Ion:202 Resp: 5753

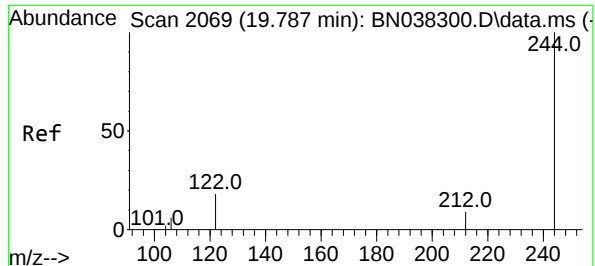
Ion Ratio Lower Upper

202 100

200 21.2 16.9 25.3

203 18.0 14.2 21.2

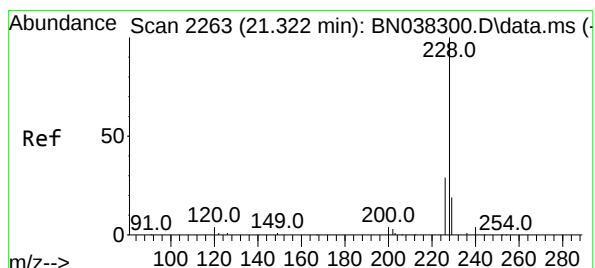
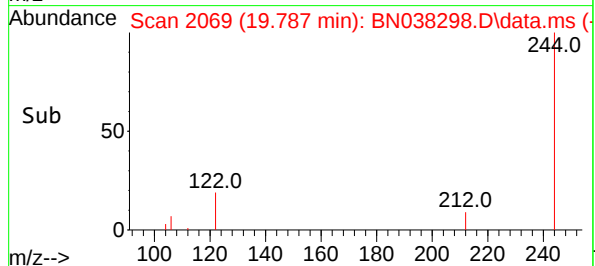
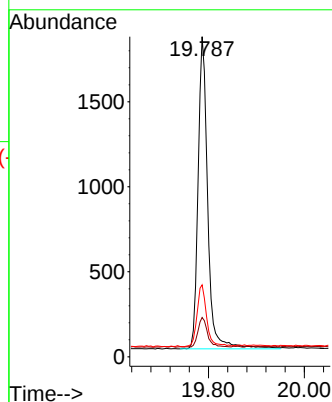
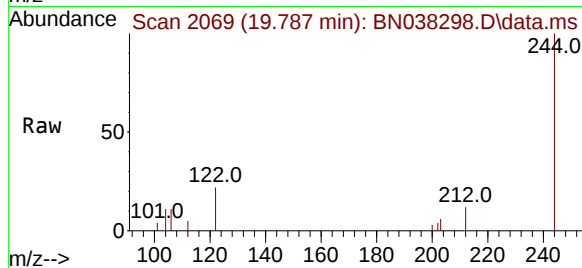




#31  
Terphenyl-d14  
Concen: 0.102 ng  
RT: 19.787 min Scan# 2069  
Delta R.T. -0.004 min  
Lab File: BN038298.D  
Acq: 10 Dec 2025 09:52

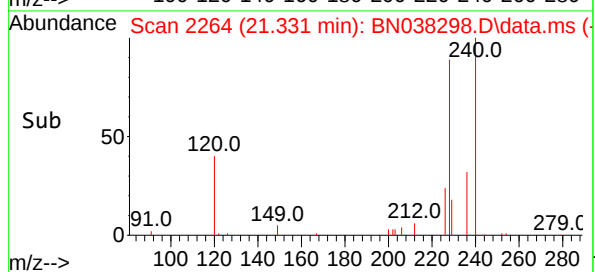
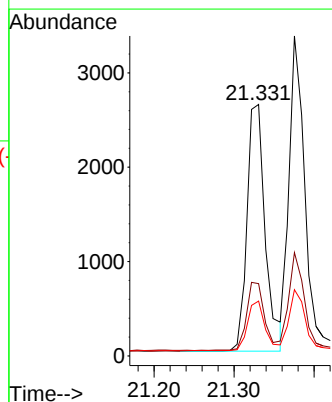
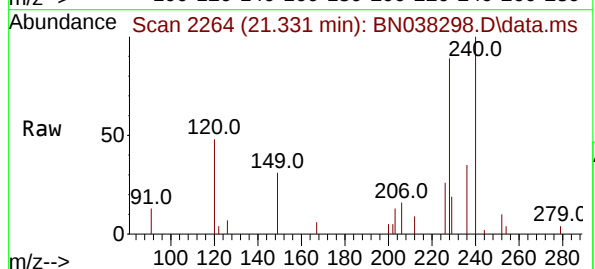
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC0.1

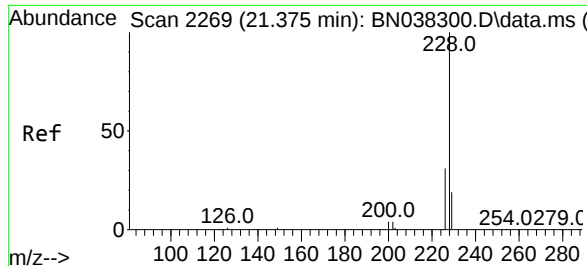
Tgt Ion:244 Resp: 2576  
Ion Ratio Lower Upper  
244 100  
212 12.3 7.9 11.9#  
122 22.5 15.0 22.6



#32  
Benzo(a)anthracene  
Concen: 0.096 ng  
RT: 21.331 min Scan# 2264  
Delta R.T. 0.000 min  
Lab File: BN038298.D  
Acq: 10 Dec 2025 09:52

Tgt Ion:228 Resp: 4166  
Ion Ratio Lower Upper  
228 100  
226 28.8 23.3 34.9  
229 21.8 15.7 23.5

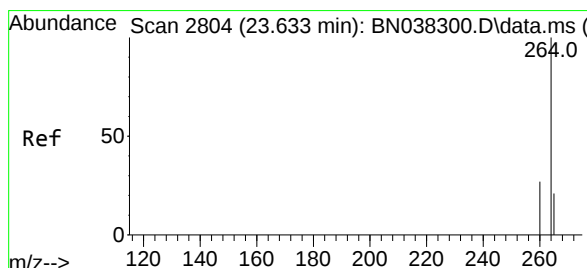
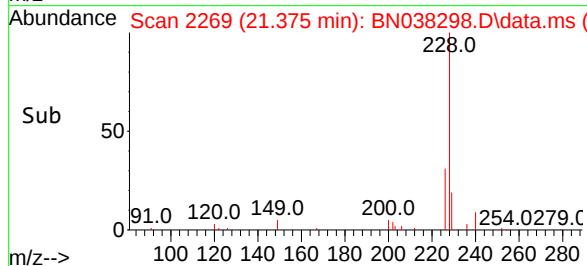
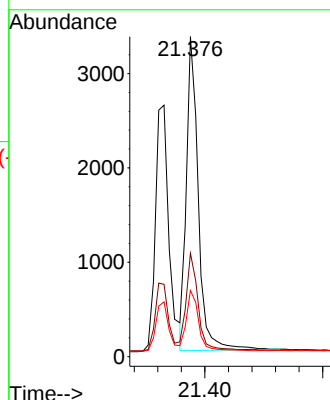
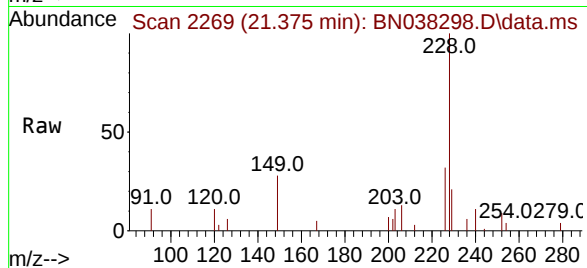




#33  
Chrysene  
Concen: 0.097 ng  
RT: 21.375 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: BN038298.D  
Acq: 10 Dec 2025 09:52

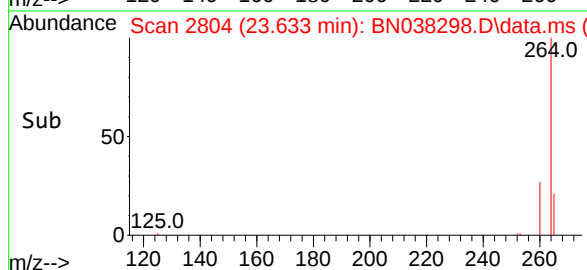
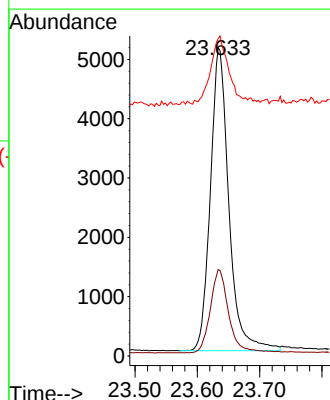
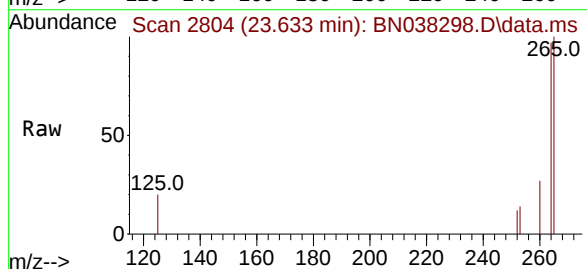
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC0.1

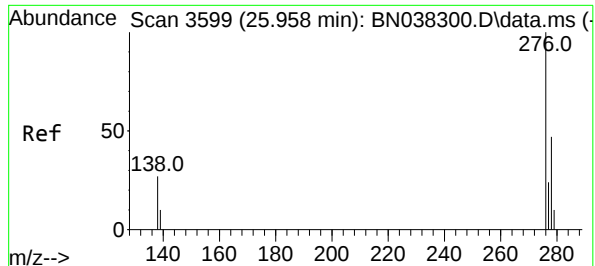
Tgt Ion:228 Resp: 4665  
Ion Ratio Lower Upper  
228 100  
226 32.3 25.0 37.4  
229 20.7 15.5 23.3



#35  
Perylene-d12  
Concen: 0.400 ng  
RT: 23.633 min Scan# 2804  
Delta R.T. 0.000 min  
Lab File: BN038298.D  
Acq: 10 Dec 2025 09:52

Tgt Ion:264 Resp: 10537  
Ion Ratio Lower Upper  
264 100  
260 28.0 22.2 33.2  
265 102.9 80.2 120.2





#36

Indeno(1,2,3-cd)pyrene

Concen: 0.085 ng

RT: 25.967 min Scan# 30

Delta R.T. 0.003 min

Lab File: BN038298.D

Acq: 10 Dec 2025 09:52

Instrument :

BNA\_N

ClientSampleId :

SSTDICC0.1

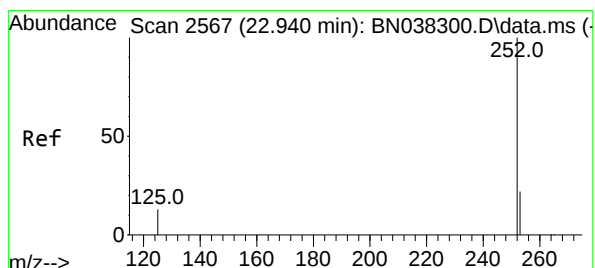
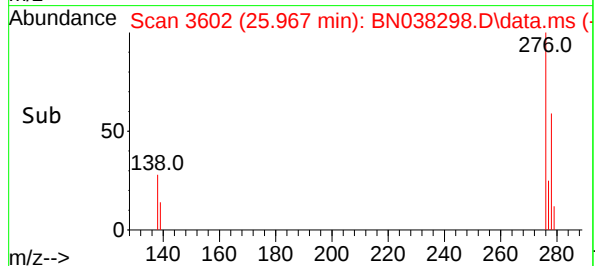
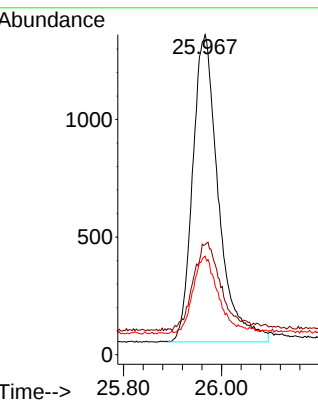
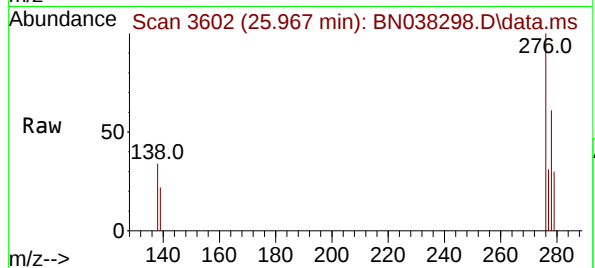
Tgt Ion:276 Resp: 4777

Ion Ratio Lower Upper

276 100

138 30.4 23.6 35.4

277 23.2 19.7 29.5



#37

Benzo(b)fluoranthene

Concen: 0.091 ng

RT: 22.943 min Scan# 2568

Delta R.T. -0.003 min

Lab File: BN038298.D

Acq: 10 Dec 2025 09:52

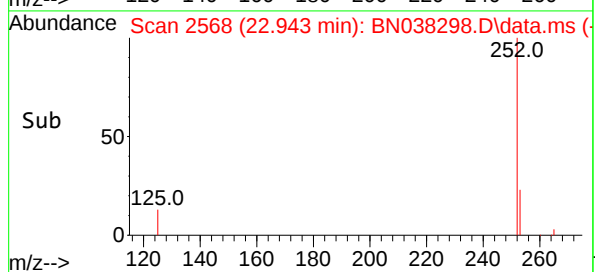
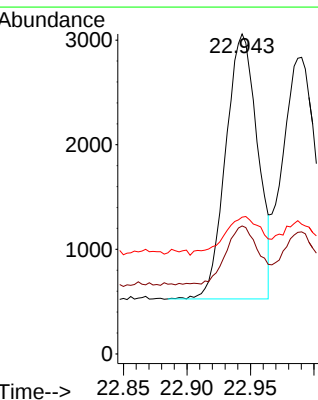
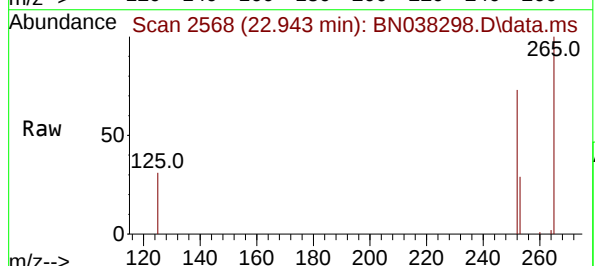
Tgt Ion:252 Resp: 4408

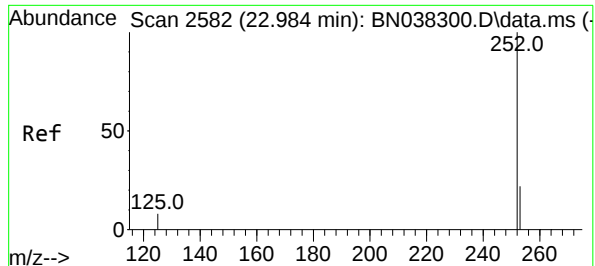
Ion Ratio Lower Upper

252 100

253 40.0 21.1 31.7#

125 42.7 16.4 24.6#





#38

Benzo(k)fluoranthene

Concen: 0.087 ng

RT: 22.990 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN038298.D

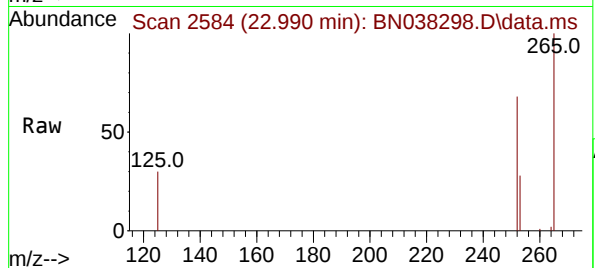
Acq: 10 Dec 2025 09:52

Instrument :

BNA\_N

ClientSampleId :

SSTDICC0.1



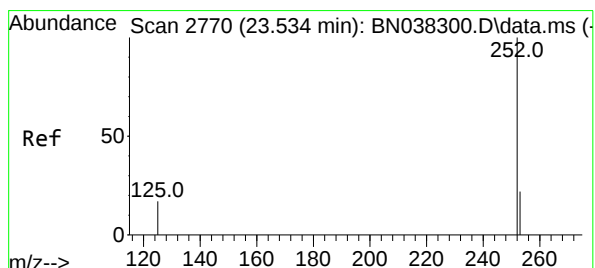
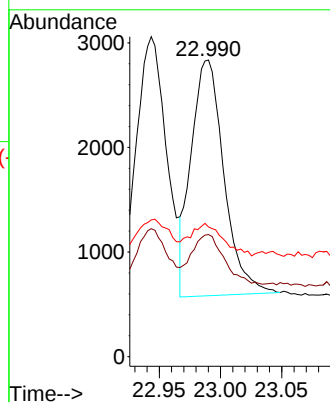
Tgt Ion:252 Resp: 4206

Ion Ratio Lower Upper

252 100

253 41.1 21.4 32.0#

125 43.7 16.2 24.2#



#39

Benzo(a)pyrene

Concen: 0.090 ng

RT: 23.534 min Scan# 2770

Delta R.T. 0.000 min

Lab File: BN038298.D

Acq: 10 Dec 2025 09:52

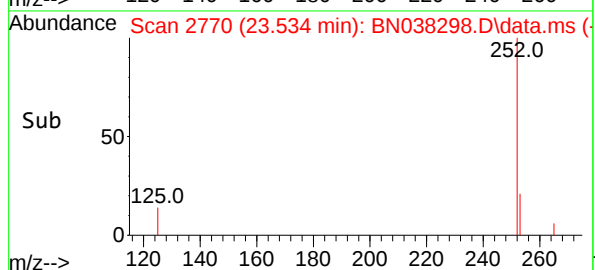
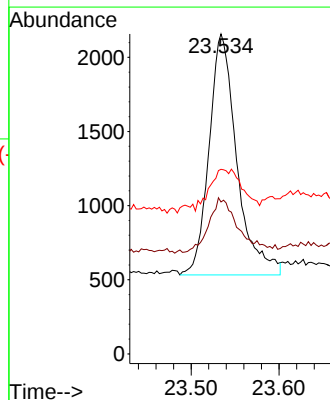
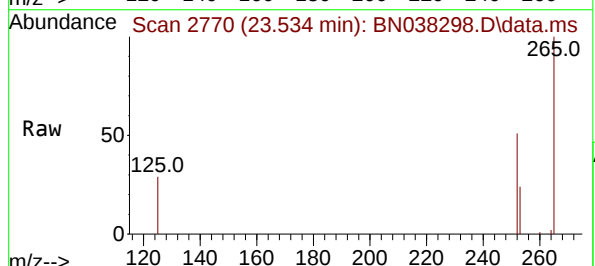
Tgt Ion:252 Resp: 3570

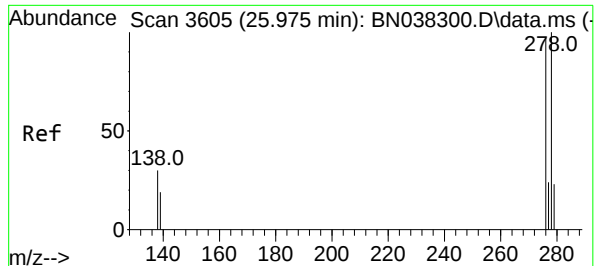
Ion Ratio Lower Upper

252 100

253 47.5 23.3 34.9#

125 57.7 22.4 33.6#





#40

Dibenzo(a,h)anthracene

Concen: 0.085 ng

RT: 25.987 min Scan# 3609

Delta R.T. 0.006 min

Lab File: BN038298.D

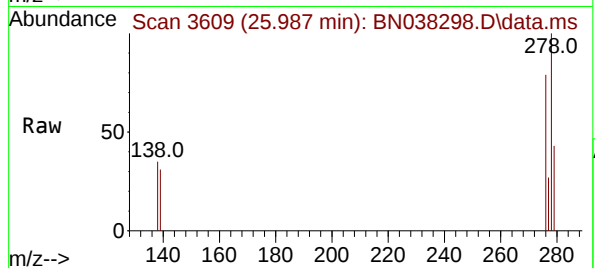
Acq: 10 Dec 2025 09:52

Instrument :

BNA\_N

ClientSampleId :

SSTDICC0.1



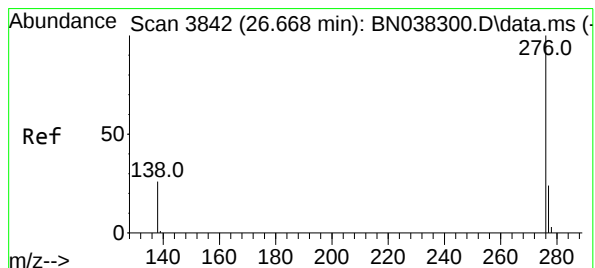
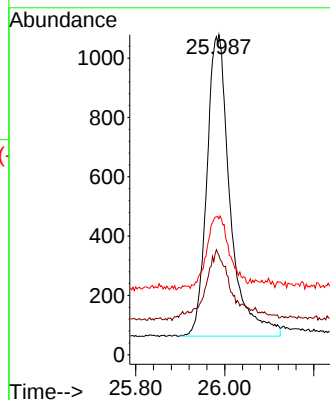
Tgt Ion:278 Resp: 3677

Ion Ratio Lower Upper

278 100

139 31.0 17.8 26.8#

279 42.5 21.3 31.9#



#41

Benzo(g,h,i)perylene

Concen: 0.089 ng

RT: 26.671 min Scan# 3843

Delta R.T. -0.006 min

Lab File: BN038298.D

Acq: 10 Dec 2025 09:52

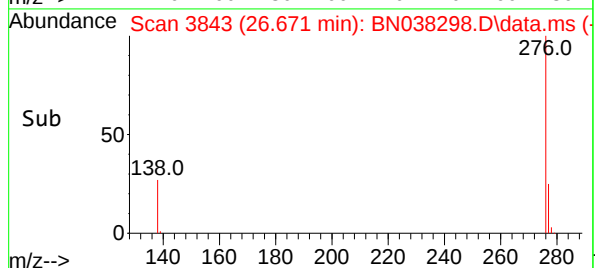
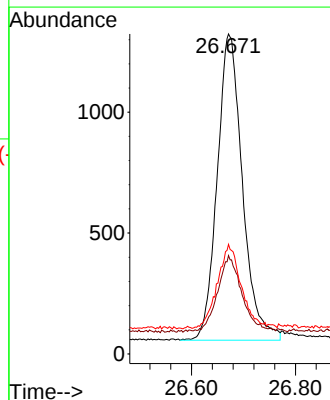
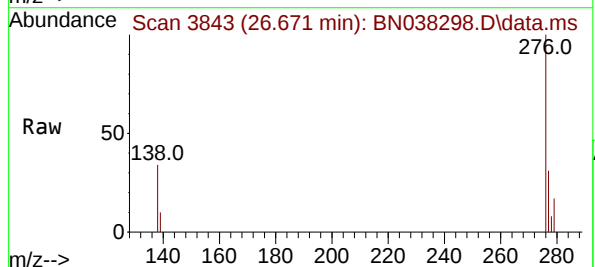
Tgt Ion:276 Resp: 4274

Ion Ratio Lower Upper

276 100

277 30.7 20.0 30.0#

138 34.2 21.8 32.6#



Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN121025\  
 Data File : BN038299.D  
 Acq On : 10 Dec 2025 10:28  
 Operator : RC/JU  
 Sample : SSTDICC0.2  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTDICC0.2

Quant Time: Dec 10 13:59:20 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN121025.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 10 13:56:50 2025  
 Response via : Initial Calibration

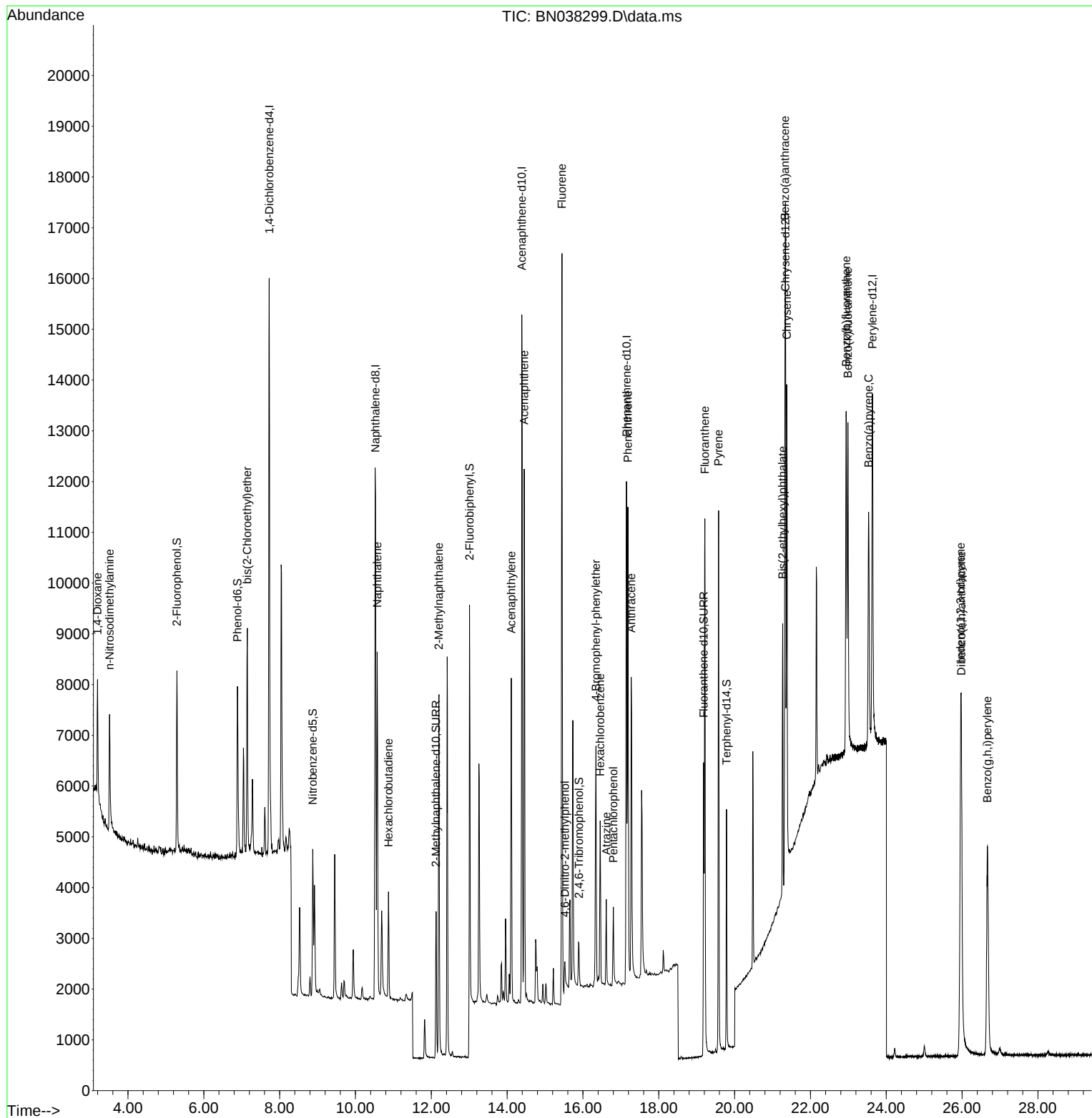
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.724  | 152  | 5832     | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.530 | 136  | 15274    | 0.400 | ng    | 0.00     |
| 13) Acenaphthene-d10          | 14.388 | 164  | 7698     | 0.400 | ng    | -0.01    |
| 19) Phenanthrene-d10          | 17.149 | 188  | 13779    | 0.400 | ng    | 0.00     |
| 29) Chrysene-d12              | 21.340 | 240  | 10001    | 0.400 | ng    | 0.00     |
| 35) Perylene-d12              | 23.636 | 264  | 9929     | 0.400 | ng    | 0.00     |
|                               |        |      |          |       |       |          |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.290  | 112  | 3015     | 0.208 | ng    | 0.00     |
| 5) Phenol-d6                  | 6.887  | 99   | 3373     | 0.195 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 8.875  | 82   | 2478     | 0.192 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10   | 12.126 | 152  | 4184     | 0.194 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 15.895 | 330  | 624      | 0.183 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 13.008 | 172  | 7511     | 0.203 | ng    | 0.00     |
| 27) Fluoranthene-d10          | 19.183 | 212  | 6525     | 0.191 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.787 | 244  | 4585     | 0.205 | ng    | 0.00     |
|                               |        |      |          |       |       |          |
| Target Compounds              |        |      |          |       |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.196  | 88   | 1475     | 0.221 | ng    | 97       |
| 3) n-Nitrosodimethylamine     | 3.514  | 42   | 1649     | 0.197 | ng    | # 97     |
| 6) bis(2-Chloroethyl)ether    | 7.147  | 93   | 3414     | 0.202 | ng    | 99       |
| 9) Naphthalene                | 10.573 | 128  | 9052     | 0.200 | ng    | 98       |
| 10) Hexachlorobutadiene       | 10.872 | 225  | 1628     | 0.203 | ng    | # 100    |
| 12) 2-Methylnaphthalene       | 12.202 | 142  | 5611     | 0.196 | ng    | 99       |
| 16) Acenaphthylene            | 14.110 | 152  | 7256     | 0.192 | ng    | 99       |
| 17) Acenaphthene              | 14.452 | 154  | 5115     | 0.194 | ng    | 98       |
| 18) Fluorene                  | 15.446 | 166  | 6474     | 0.191 | ng    | 100      |
| 20) 4,6-Dinitro-2-methylph... | 15.523 | 198  | 373      | 0.165 | ng    | # 43     |
| 21) 4-Bromophenyl-phenylether | 16.342 | 248  | 2003     | 0.196 | ng    | 98       |
| 22) Hexachlorobenzene         | 16.453 | 284  | 2521     | 0.205 | ng    | 99       |
| 23) Atrazine                  | 16.615 | 200  | 1351     | 0.194 | ng    | 99       |
| 24) Pentachlorophenol         | 16.801 | 266  | 853      | 0.178 | ng    | 98       |
| 25) Phenanthrene              | 17.186 | 178  | 9460     | 0.197 | ng    | 100      |
| 26) Anthracene                | 17.273 | 178  | 7793     | 0.188 | ng    | 100      |
| 28) Fluoranthene              | 19.215 | 202  | 9737     | 0.191 | ng    | 99       |
| 30) Pyrene                    | 19.578 | 202  | 9841     | 0.200 | ng    | 100      |
| 32) Benzo(a)anthracene        | 21.331 | 228  | 7688     | 0.199 | ng    | 97       |
| 33) Chrysene                  | 21.375 | 228  | 8559     | 0.201 | ng    | 99       |
| 34) Bis(2-ethylhexyl)phtha... | 21.268 | 149  | 5010     | 0.236 | ng    | 98       |
| 36) Indeno(1,2,3-cd)pyrene    | 25.963 | 276  | 10127    | 0.192 | ng    | 98       |
| 37) Benzo(b)fluoranthene      | 22.943 | 252  | 9091     | 0.199 | ng    | # 84     |
| 38) Benzo(k)fluoranthene      | 22.987 | 252  | 8902     | 0.196 | ng    | # 84     |
| 39) Benzo(a)pyrene            | 23.534 | 252  | 7243     | 0.194 | ng    | # 80     |
| 40) Dibenzo(a,h)anthracene    | 25.981 | 278  | 7551     | 0.186 | ng    | # 93     |
| 41) Benzo(g,h,i)perylene      | 26.668 | 276  | 9018     | 0.199 | ng    | 97       |
| -----                         |        |      |          |       |       |          |

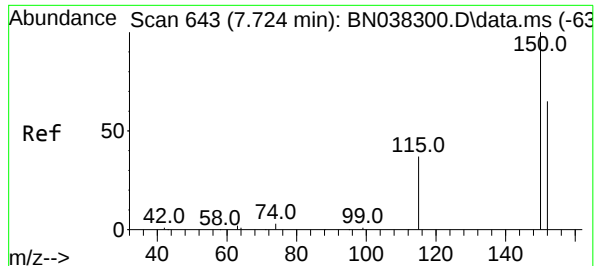
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : BN038299.D  
Acq On : 10 Dec 2025 10:28  
Operator : RC/JU  
Sample : SSTDICC0.2  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC0.2

Quant Time: Dec 10 13:59:20 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN121025.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Dec 10 13:56:50 2025  
Response via : Initial Calibration

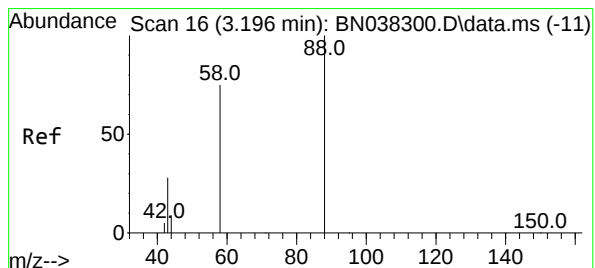
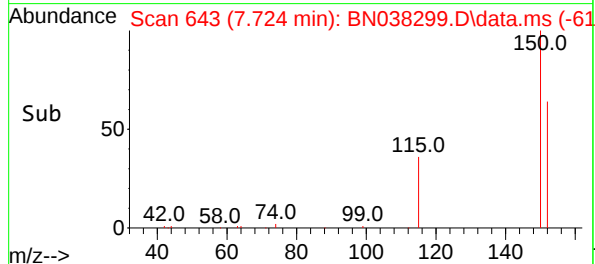
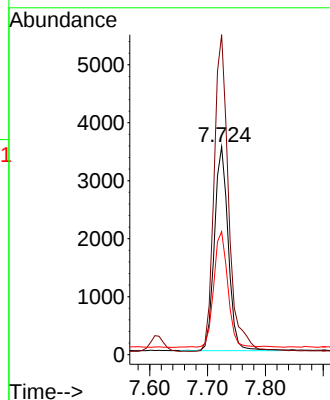
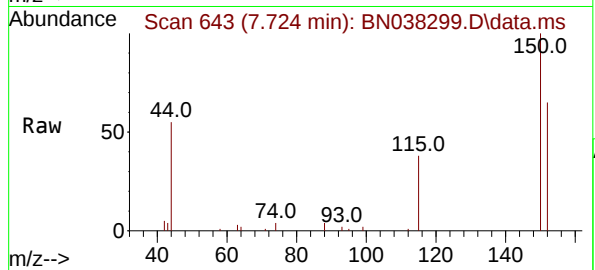




#1  
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.724 min Scan# 64  
Delta R.T. 0.000 min  
Lab File: BN038299.D  
Acq: 10 Dec 2025 10:28

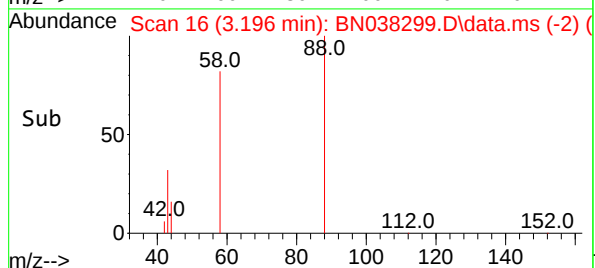
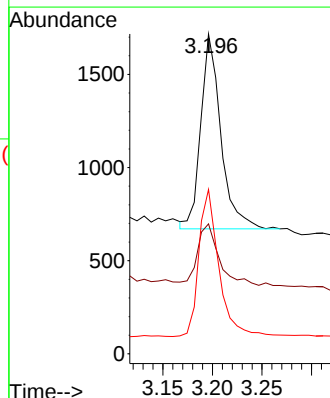
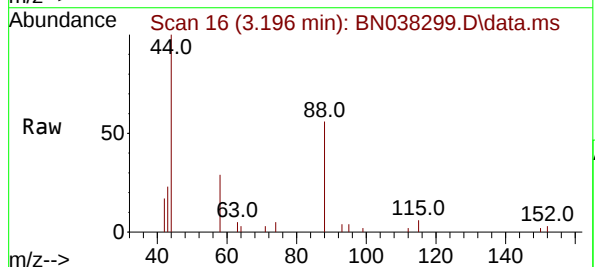
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC0.2

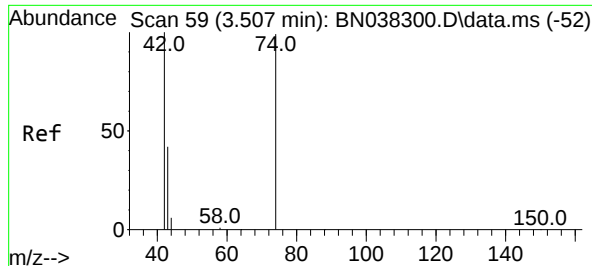
Tgt Ion:152 Resp: 5832  
Ion Ratio Lower Upper  
152 100  
150 153.9 122.4 183.6  
115 59.2 47.3 70.9



#2  
1,4-Dioxane  
Concen: 0.221 ng  
RT: 3.196 min Scan# 16  
Delta R.T. 0.000 min  
Lab File: BN038299.D  
Acq: 10 Dec 2025 10:28

Tgt Ion: 88 Resp: 1475  
Ion Ratio Lower Upper  
88 100  
43 34.4 24.9 37.3  
58 75.5 61.4 92.0

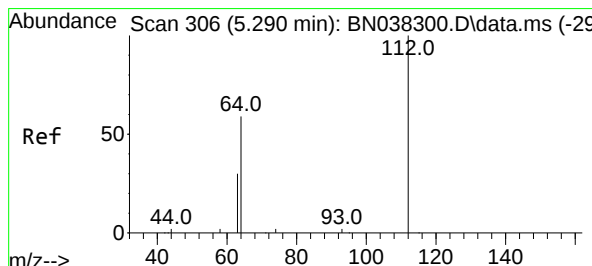
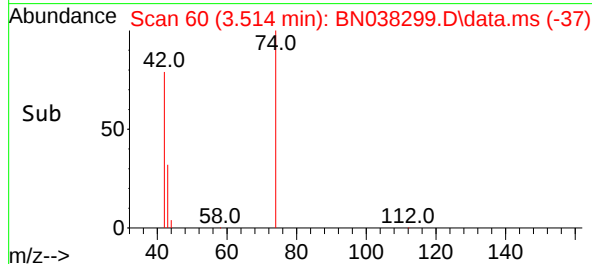
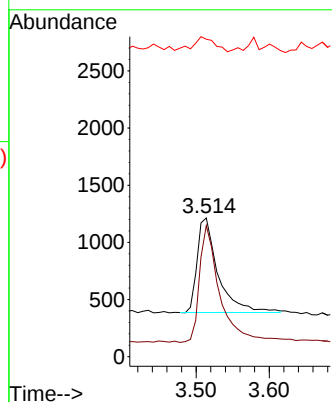
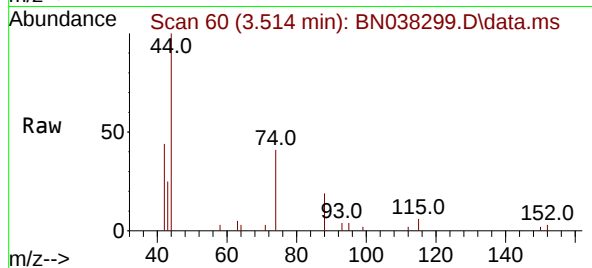




#3  
n-Nitrosodimethylamine  
Concen: 0.197 ng  
RT: 3.514 min Scan# 60  
Delta R.T. 0.014 min  
Lab File: BN038299.D  
Acq: 10 Dec 2025 10:28

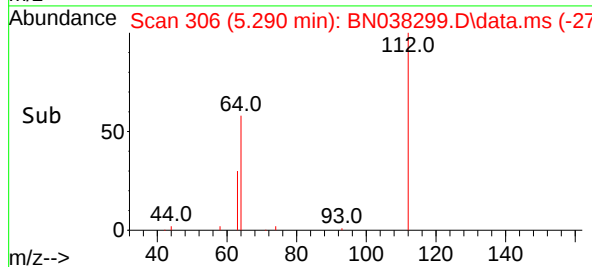
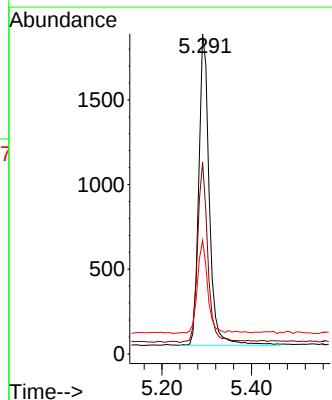
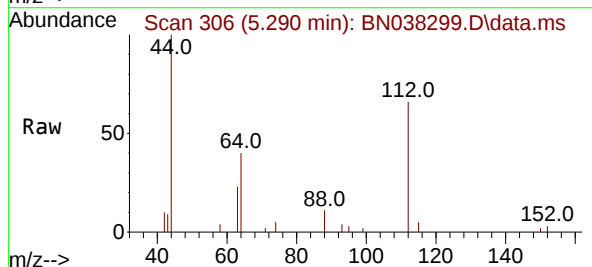
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC0.2

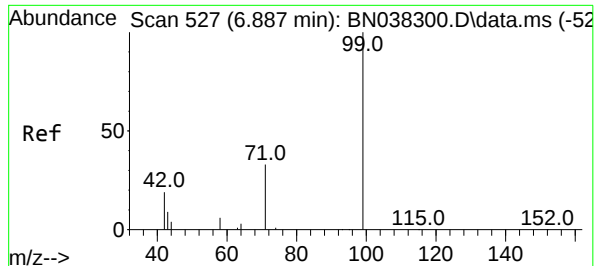
Tgt Ion: 42 Resp: 1649  
Ion Ratio Lower Upper  
42 100  
74 121.1 95.3 142.9  
44 15.8 7.9 11.9#



#4  
2-Fluorophenol  
Concen: 0.208 ng  
RT: 5.290 min Scan# 306  
Delta R.T. 0.000 min  
Lab File: BN038299.D  
Acq: 10 Dec 2025 10:28

Tgt Ion: 112 Resp: 3015  
Ion Ratio Lower Upper  
112 100  
64 56.3 44.4 66.6  
63 28.7 23.4 35.0

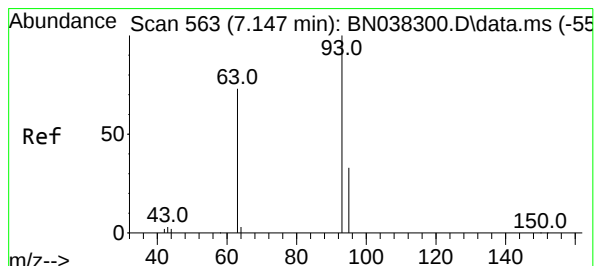
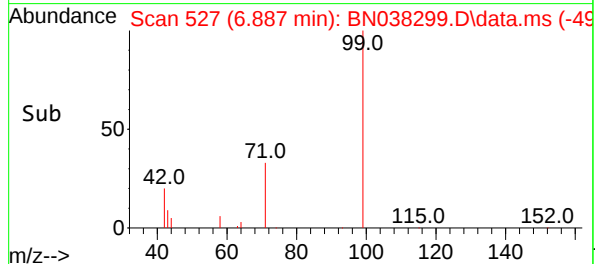
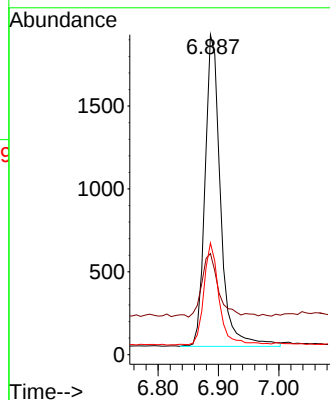
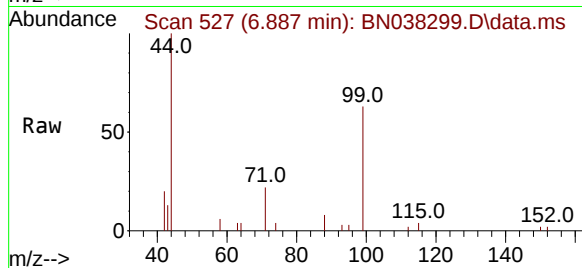




#5  
Phenol-d6  
Concen: 0.195 ng  
RT: 6.887 min Scan# 51  
Delta R.T. 0.000 min  
Lab File: BN038299.D  
Acq: 10 Dec 2025 10:28

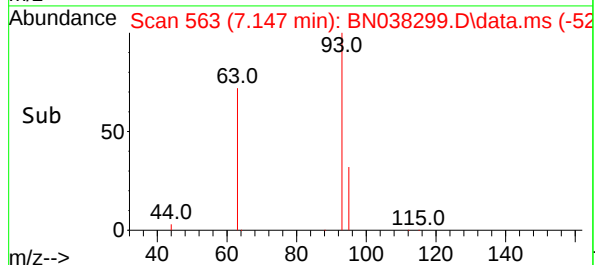
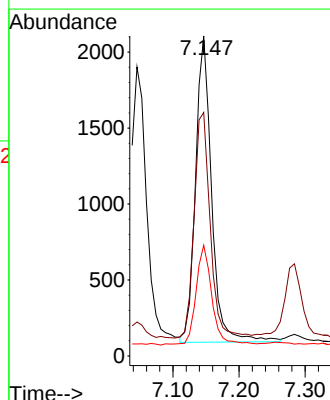
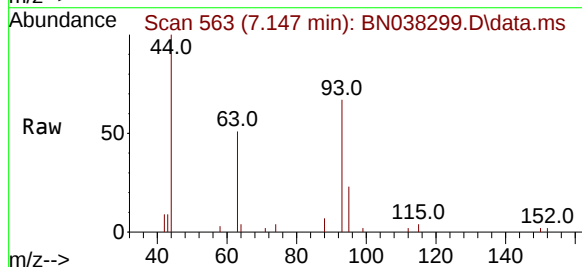
Instrument :  
BNA\_N  
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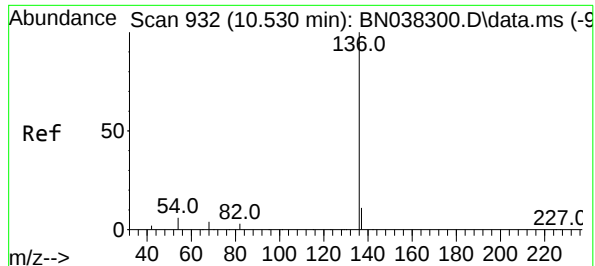
Tgt Ion: 99 Resp: 3373  
Ion Ratio Lower Upper  
99 100  
42 22.7 16.5 24.7  
71 32.4 24.9 37.3



#6  
bis(2-Chloroethyl)ether  
Concen: 0.202 ng  
RT: 7.147 min Scan# 563  
Delta R.T. 0.000 min  
Lab File: BN038299.D  
Acq: 10 Dec 2025 10:28

Tgt Ion: 93 Resp: 3414  
Ion Ratio Lower Upper  
93 100  
63 73.9 59.2 88.8  
95 32.5 25.2 37.8

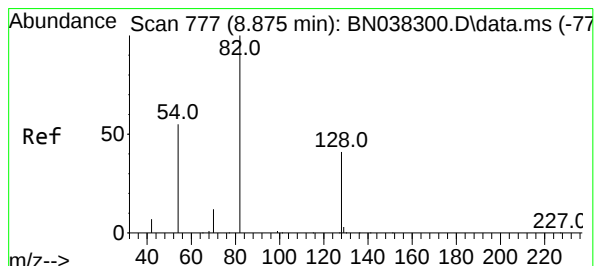
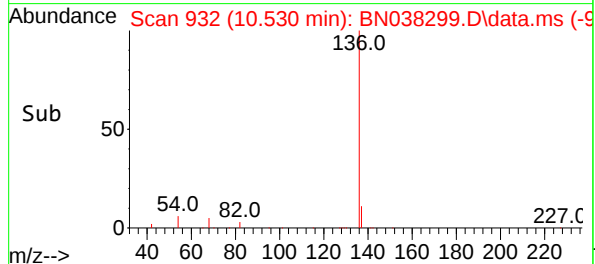
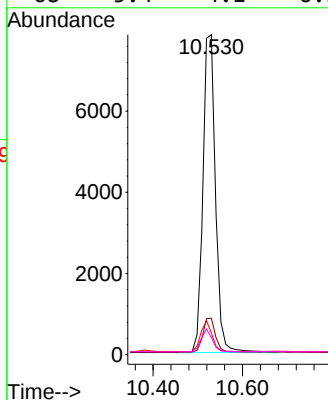
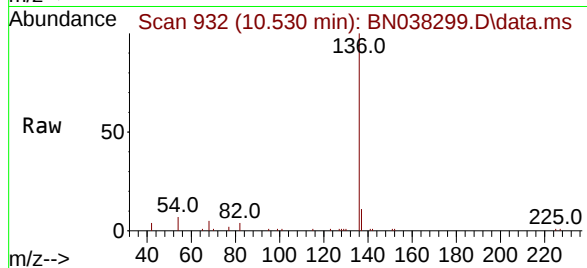




#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.530 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: BN038299.D  
Acq: 10 Dec 2025 10:28

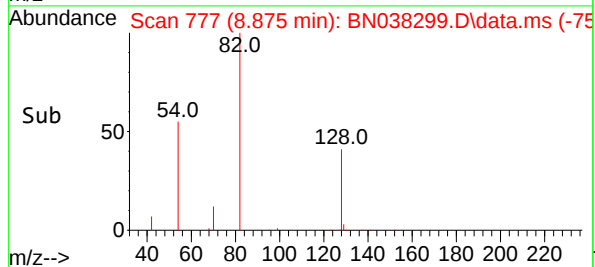
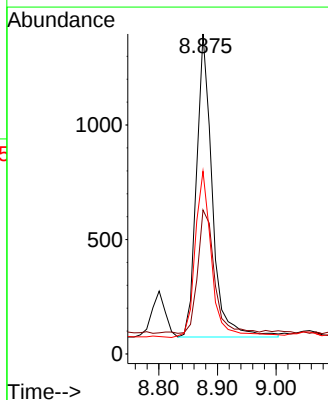
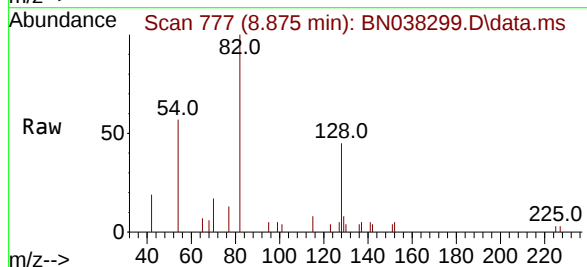
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ClientSampleId :  
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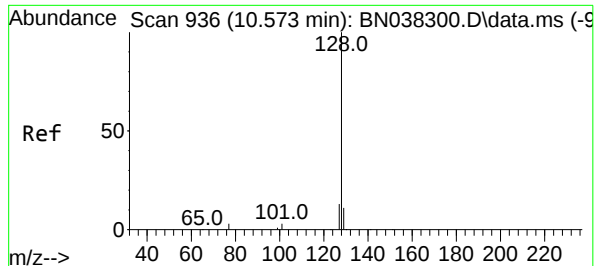
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 136   | Resp: | 15274 |
| Ion      | Ratio | Lower | Upper |
| 136      | 100   |       |       |
| 137      | 11.4  | 9.1   | 13.7  |
| 54       | 6.8   | 5.2   | 7.8   |
| 68       | 5.4   | 4.1   | 6.1   |



#8  
Nitrobenzene-d5  
Concen: 0.192 ng  
RT: 8.875 min Scan# 777  
Delta R.T. 0.000 min  
Lab File: BN038299.D  
Acq: 10 Dec 2025 10:28

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 82    | Resp: | 2478  |
| Ion      | Ratio | Lower | Upper |
| 82       | 100   |       |       |
| 128      | 45.0  | 34.0  | 51.0  |
| 54       | 57.1  | 44.4  | 66.6  |

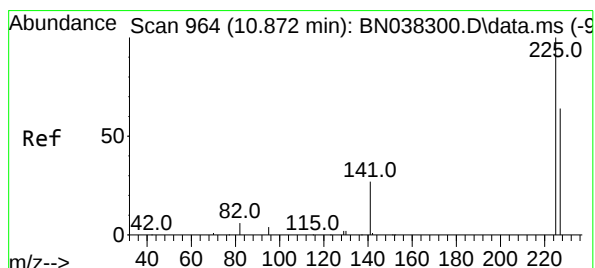
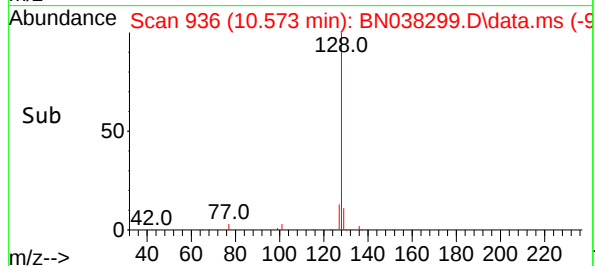
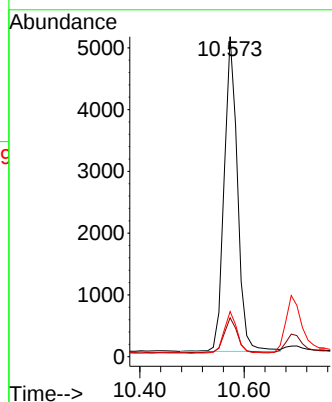
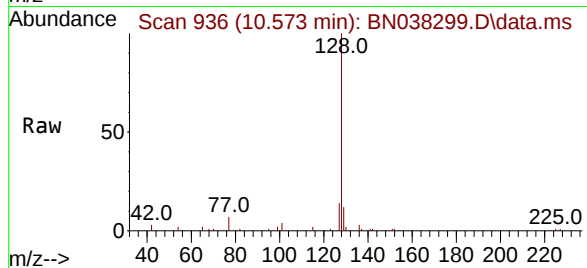




#9  
Naphthalene  
Concen: 0.200 ng  
RT: 10.573 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: BN038299.D  
Acq: 10 Dec 2025 10:28

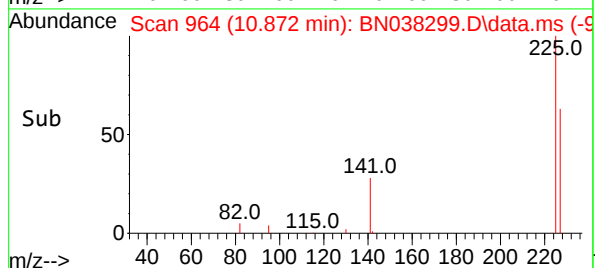
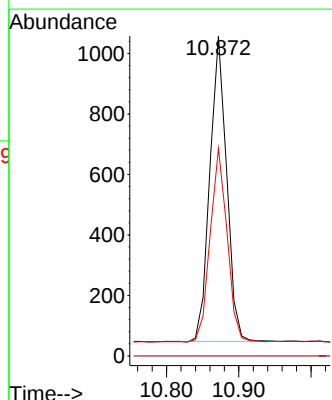
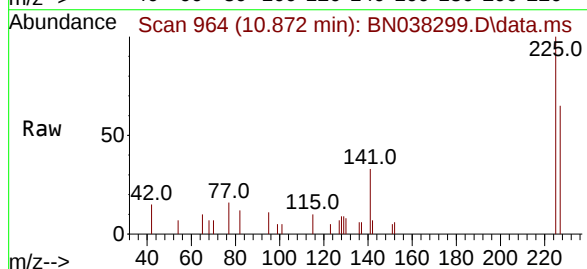
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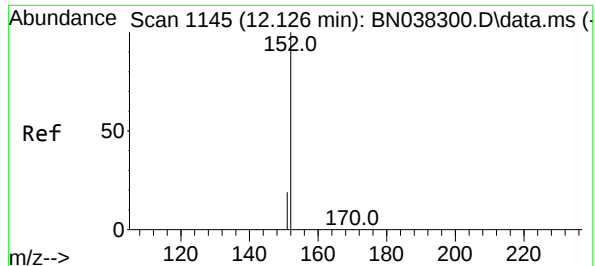
Tgt Ion:128 Resp: 9052  
Ion Ratio Lower Upper  
128 100  
129 12.1 9.1 13.7  
127 14.1 10.9 16.3



#10  
Hexachlorobutadiene  
Concen: 0.203 ng  
RT: 10.872 min Scan# 964  
Delta R.T. 0.000 min  
Lab File: BN038299.D  
Acq: 10 Dec 2025 10:28

Tgt Ion:225 Resp: 1628  
Ion Ratio Lower Upper  
225 100  
223 0.0 0.0 0.0  
227 63.8 51.2 76.8

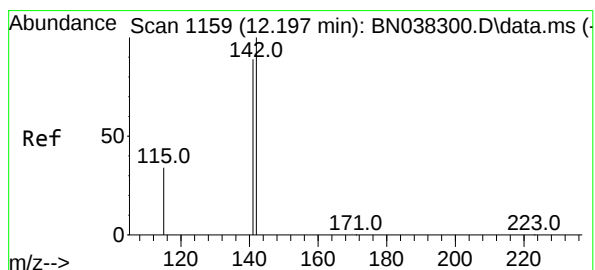
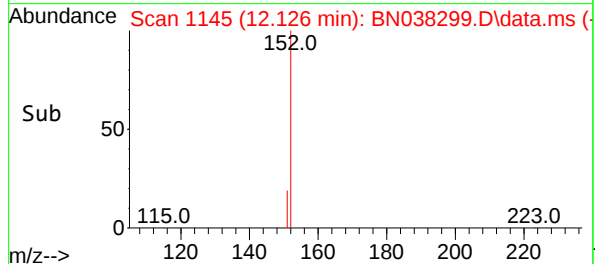
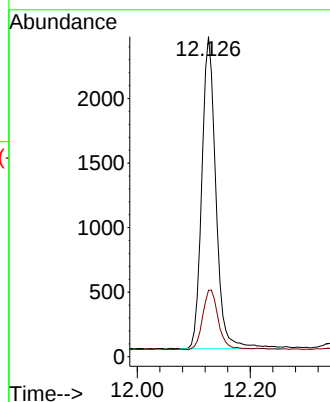
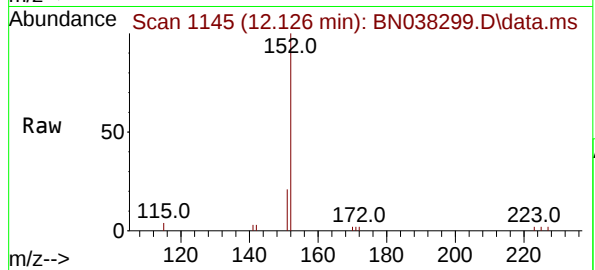




#11  
2-Methylnaphthalene-d10  
Concen: 0.194 ng  
RT: 12.126 min Scan# 1145  
Delta R.T. 0.000 min  
Lab File: BN038299.D  
Acq: 10 Dec 2025 10:28

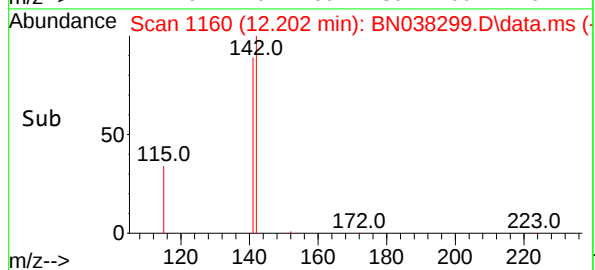
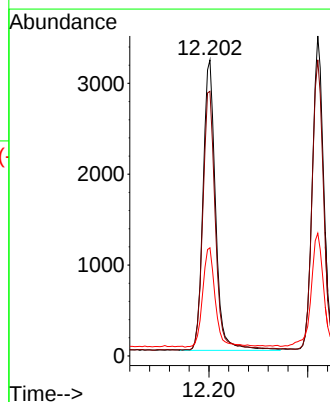
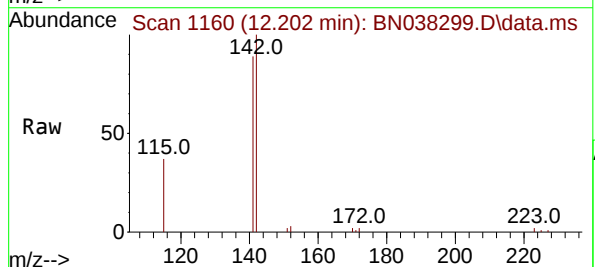
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC0.2

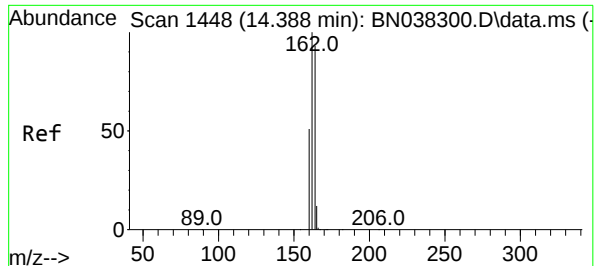
Tgt Ion:152 Resp: 4184  
Ion Ratio Lower Upper  
152 100  
151 21.3 17.0 25.6



#12  
2-Methylnaphthalene  
Concen: 0.196 ng  
RT: 12.202 min Scan# 1160  
Delta R.T. 0.000 min  
Lab File: BN038299.D  
Acq: 10 Dec 2025 10:28

Tgt Ion:142 Resp: 5611  
Ion Ratio Lower Upper  
142 100  
141 89.4 71.4 107.2  
115 36.5 28.4 42.6

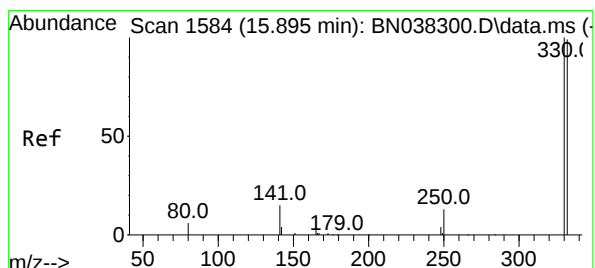
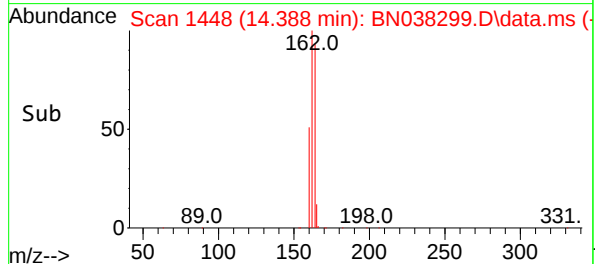
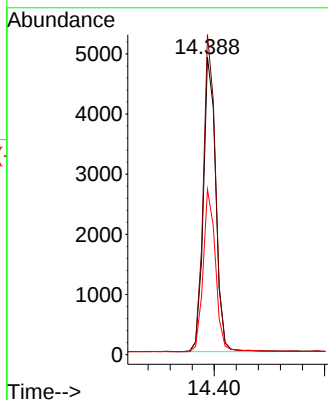
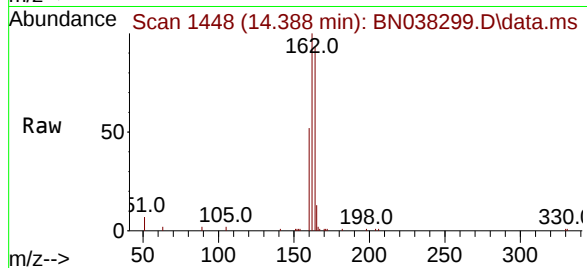




#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.388 min Scan# 1448  
Delta R.T. -0.011 min  
Lab File: BN038299.D  
Acq: 10 Dec 2025 10:28

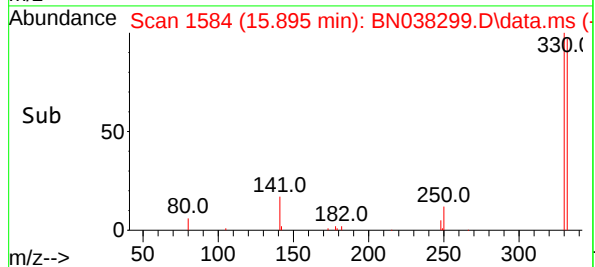
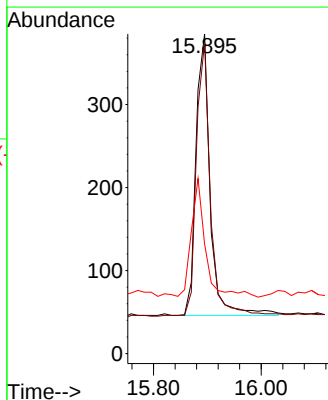
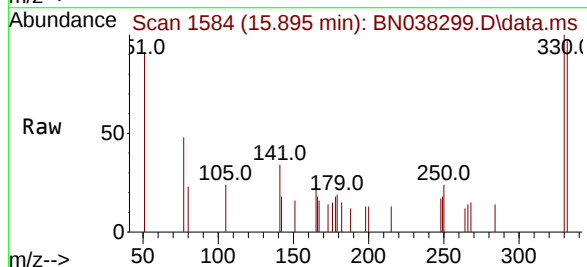
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC0.2

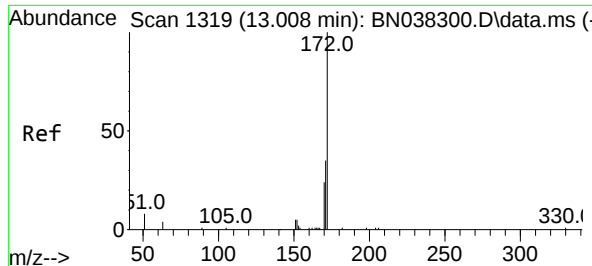
Tgt Ion:164 Resp: 7698  
Ion Ratio Lower Upper  
164 100  
162 107.6 86.2 129.4  
160 55.6 44.6 67.0



#14  
2,4,6-Tribromophenol  
Concen: 0.183 ng  
RT: 15.895 min Scan# 1584  
Delta R.T. 0.000 min  
Lab File: BN038299.D  
Acq: 10 Dec 2025 10:28

Tgt Ion:330 Resp: 624  
Ion Ratio Lower Upper  
330 100  
332 96.2 75.8 113.6  
141 41.7 31.8 47.8

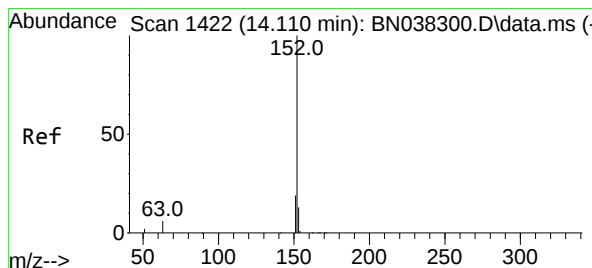
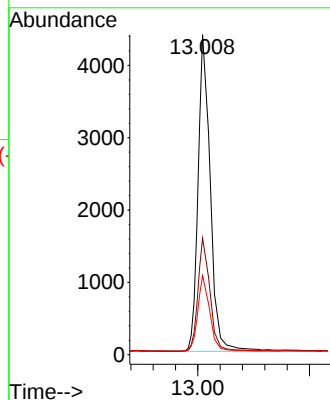
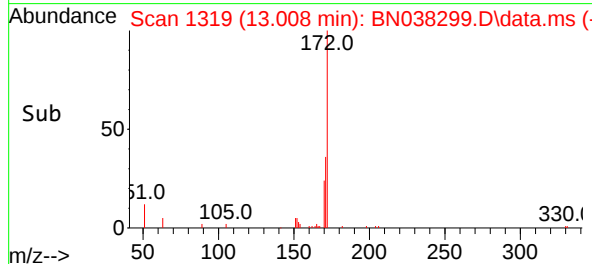
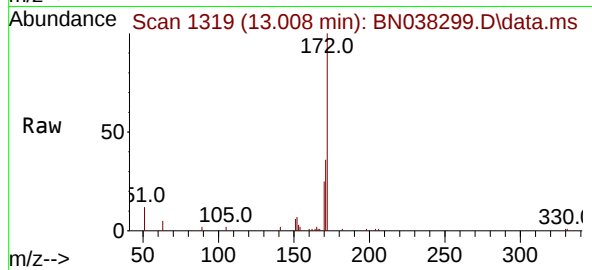




#15  
2-Fluorobiphenyl  
Concen: 0.203 ng  
RT: 13.008 min Scan# 1319  
Delta R.T. 0.000 min  
Lab File: BN038299.D  
Acq: 10 Dec 2025 10:28

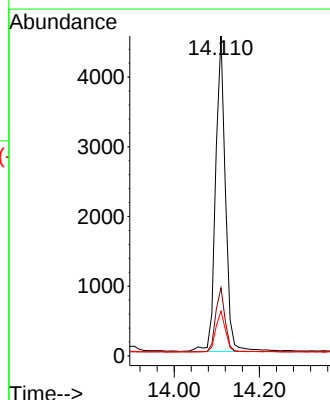
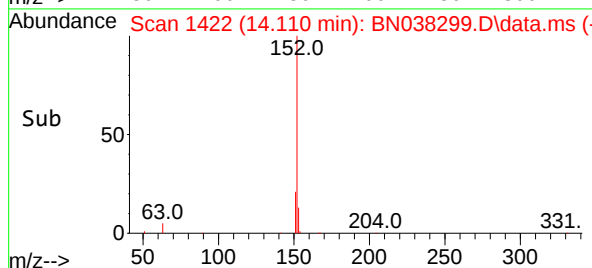
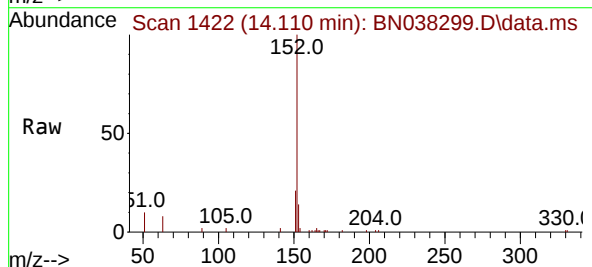
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC0.2

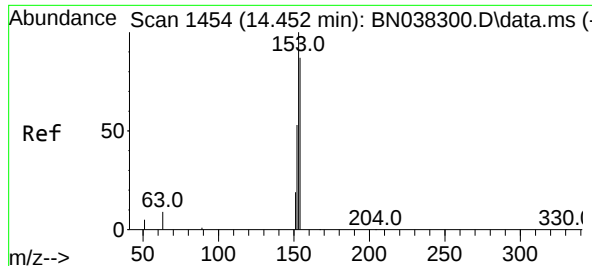
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.4  | 28.6  | 42.8  |
| 170     | 24.7  | 19.3  | 28.9  |



#16  
Acenaphthylene  
Concen: 0.192 ng  
RT: 14.110 min Scan# 1422  
Delta R.T. 0.000 min  
Lab File: BN038299.D  
Acq: 10 Dec 2025 10:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 19.7  | 15.4  | 23.2  |
| 153     | 12.9  | 10.2  | 15.4  |

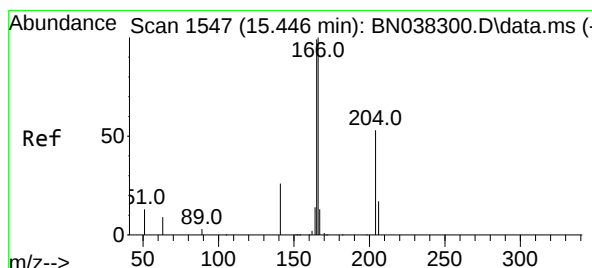
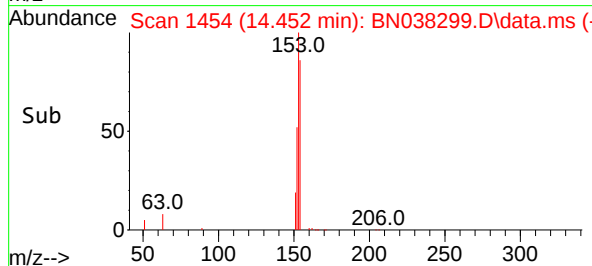
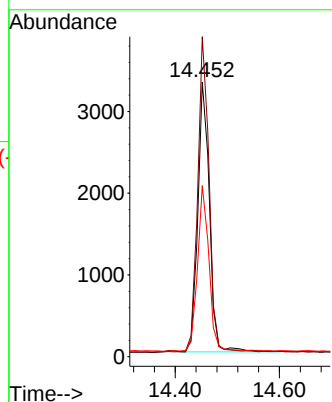
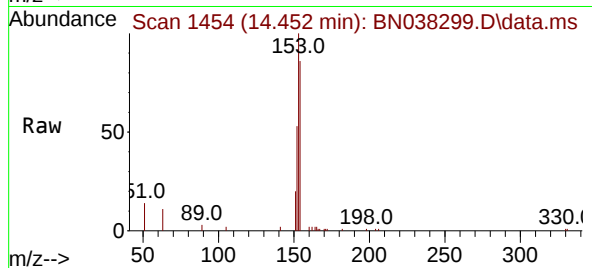




#17  
Acenaphthene  
Concen: 0.194 ng  
RT: 14.452 min Scan# 1454  
Delta R.T. -0.011 min  
Lab File: BN038299.D  
Acq: 10 Dec 2025 10:28

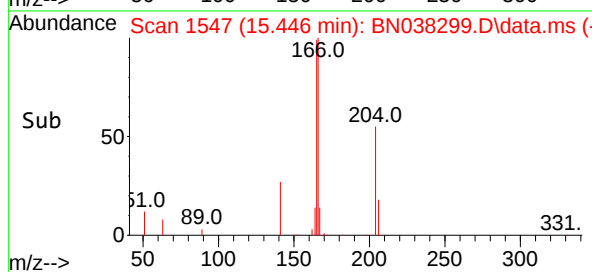
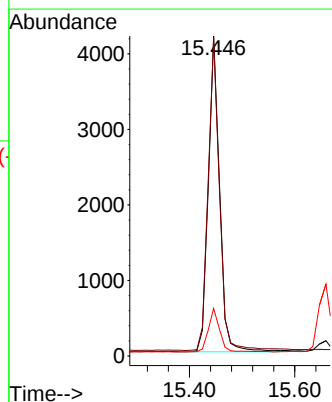
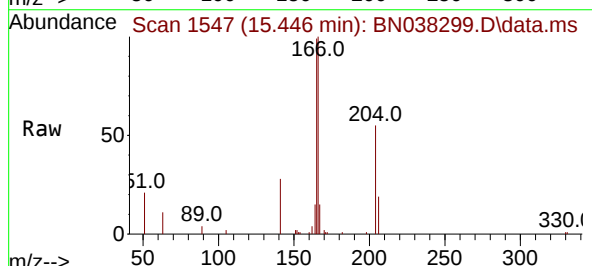
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC0.2

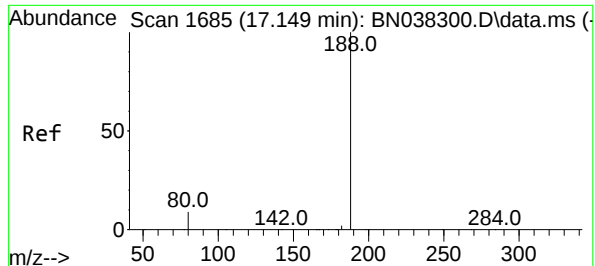
| Tgt Ion   | 154  | 153   | 152  |
|-----------|------|-------|------|
| Resp:     | 5115 |       |      |
| Ion Ratio | 100  | 114.1 | 61.2 |
| Lower     |      | 89.8  | 47.5 |
| Upper     |      | 134.8 | 71.3 |



#18  
Fluorene  
Concen: 0.191 ng  
RT: 15.446 min Scan# 1547  
Delta R.T. -0.000 min  
Lab File: BN038299.D  
Acq: 10 Dec 2025 10:28

| Tgt Ion   | 166  | 165   | 167  |
|-----------|------|-------|------|
| Resp:     | 6474 |       |      |
| Ion Ratio | 100  | 100.6 | 13.7 |
| Lower     |      | 80.2  | 10.6 |
| Upper     |      | 120.4 | 16.0 |





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.149 min Scan# 1

Delta R.T. 0.000 min

Lab File: BN038299.D

Acq: 10 Dec 2025 10:28

Instrument :

BNA\_N

ClientSampleId :

SSTDICC0.2

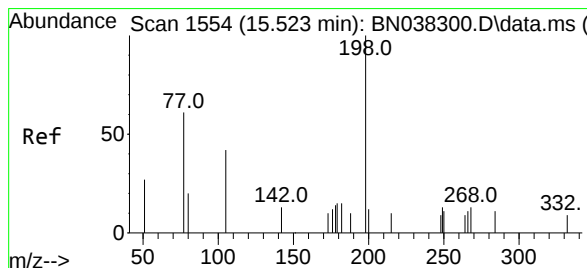
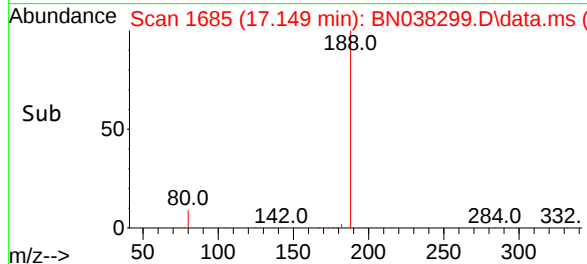
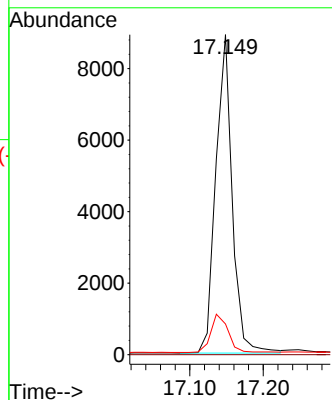
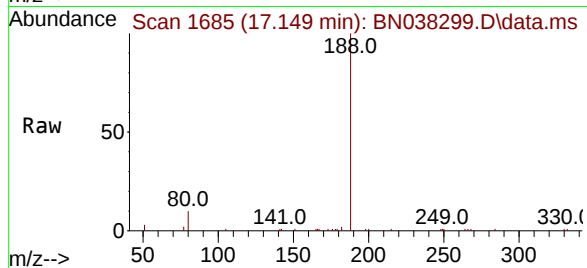
Tgt Ion:188 Resp: 13779

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 9.6 7.4 11.0



#20

4,6-Dinitro-2-methylphenol

Concen: 0.165 ng

RT: 15.523 min Scan# 1554

Delta R.T. 0.001 min

Lab File: BN038299.D

Acq: 10 Dec 2025 10:28

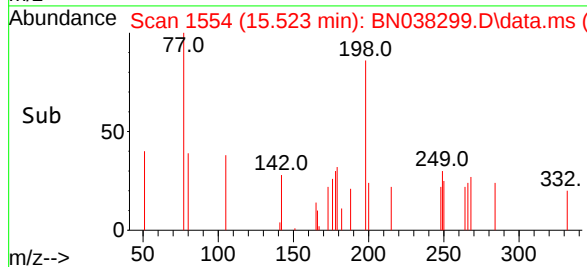
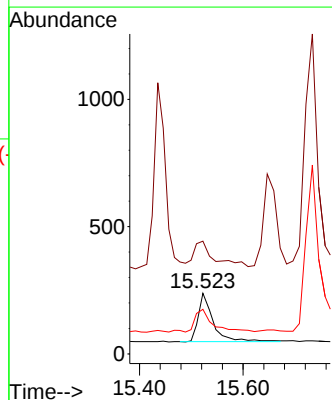
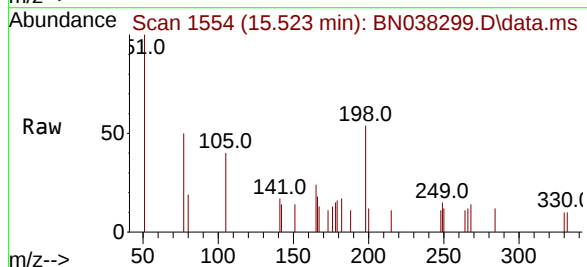
Tgt Ion:198 Resp: 373

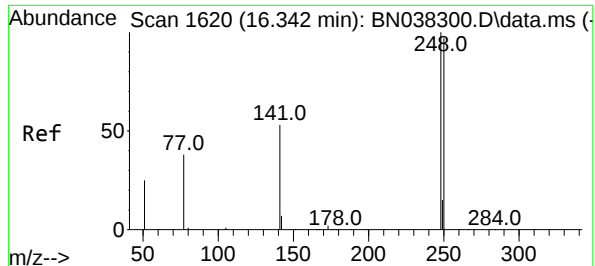
Ion Ratio Lower Upper

198 100

51 186.1 86.3 129.5#

105 73.5 45.3 67.9#

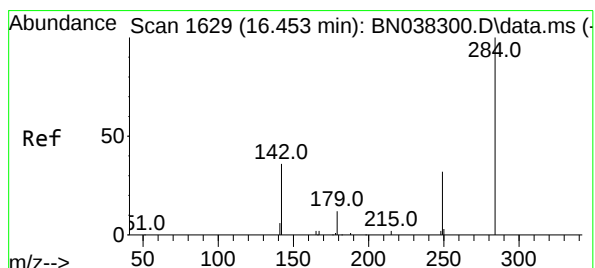
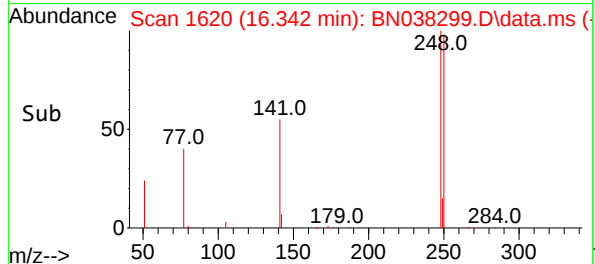
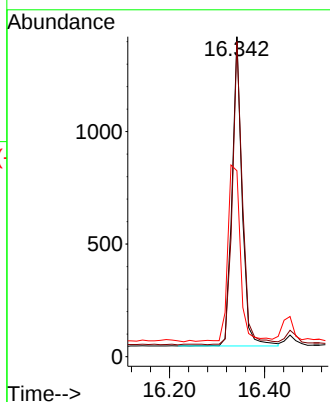
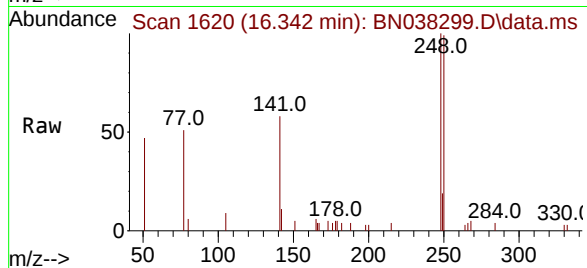




#21  
4-Bromophenyl-phenylether  
Concen: 0.196 ng  
RT: 16.342 min Scan# 1620  
Delta R.T. -0.000 min  
Lab File: BN038299.D  
Acq: 10 Dec 2025 10:28

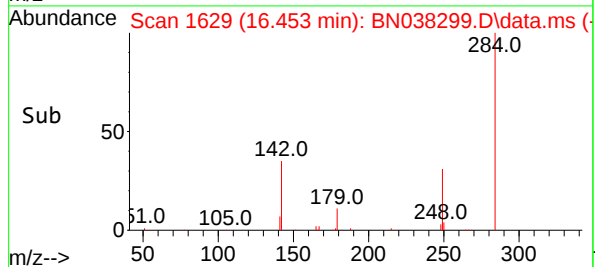
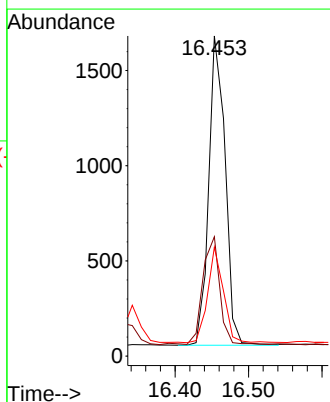
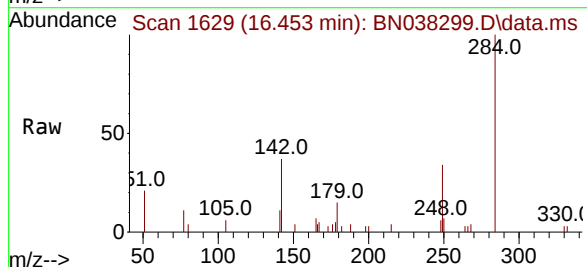
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC0.2

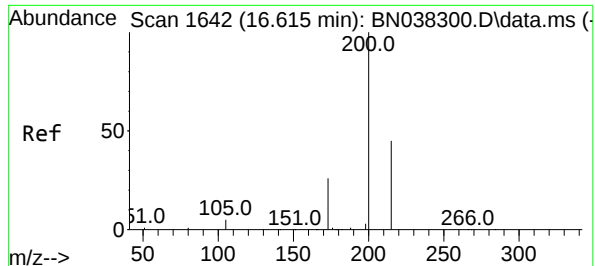
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 248     | 100   |       |       |
| 250     | 98.5  | 78.2  | 117.2 |
| 141     | 58.1  | 43.7  | 65.5  |



#22  
Hexachlorobenzene  
Concen: 0.205 ng  
RT: 16.453 min Scan# 1629  
Delta R.T. -0.012 min  
Lab File: BN038299.D  
Acq: 10 Dec 2025 10:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 284     | 100   |       |       |
| 142     | 36.2  | 29.5  | 44.3  |
| 249     | 29.9  | 23.7  | 35.5  |





#23

Atrazine

Concen: 0.194 ng

RT: 16.615 min Scan# 1642

Delta R.T. 0.000 min

Lab File: BN038299.D

Acq: 10 Dec 2025 10:28

Instrument :

BNA\_N

ClientSampleId :

SSTDICC0.2

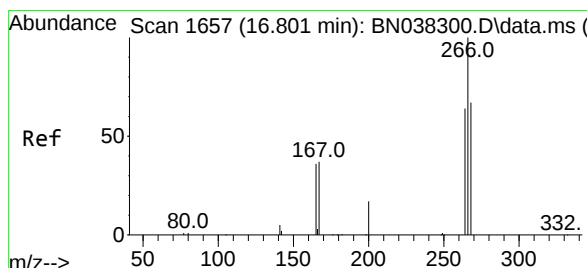
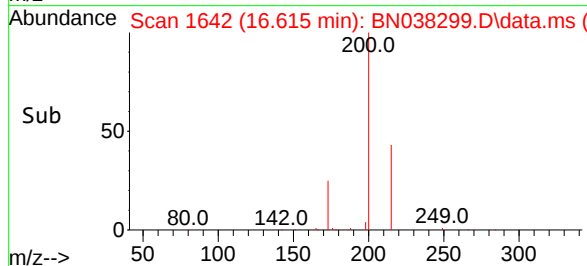
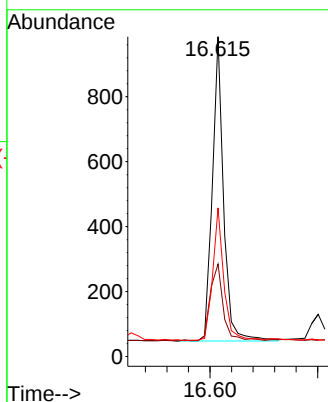
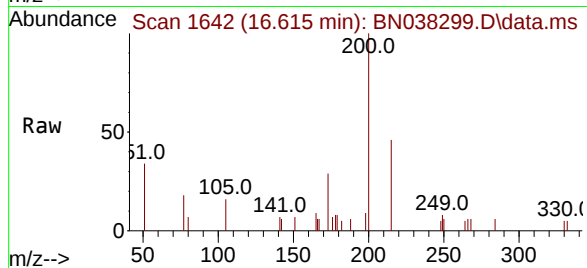
Tgt Ion:200 Resp: 1351

Ion Ratio Lower Upper

200 100

173 28.9 22.1 33.1

215 46.5 37.4 56.2



#24

Pentachlorophenol

Concen: 0.178 ng

RT: 16.801 min Scan# 1657

Delta R.T. 0.000 min

Lab File: BN038299.D

Acq: 10 Dec 2025 10:28

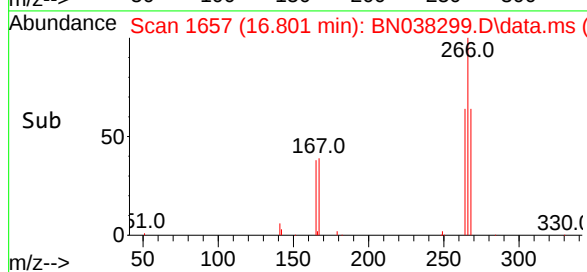
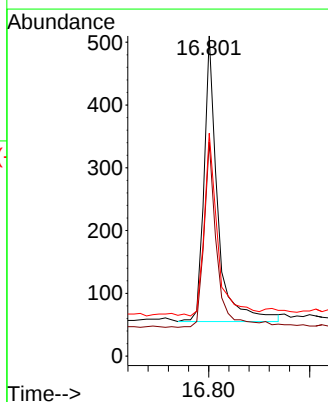
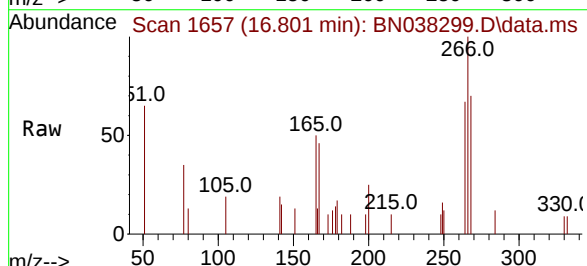
Tgt Ion:266 Resp: 853

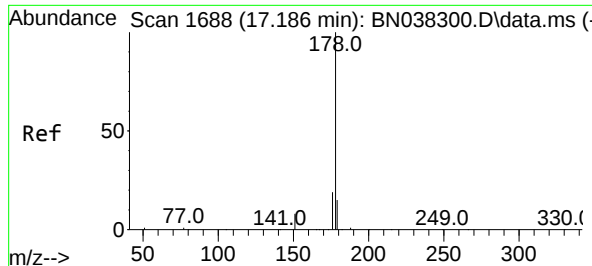
Ion Ratio Lower Upper

266 100

264 62.1 50.2 75.2

268 62.7 52.6 78.8

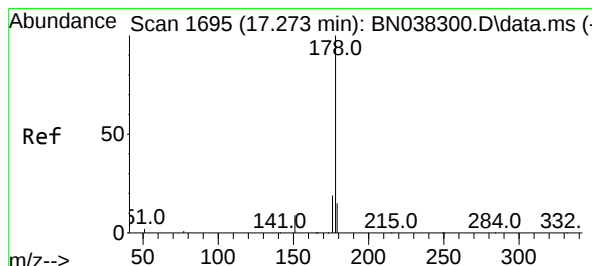
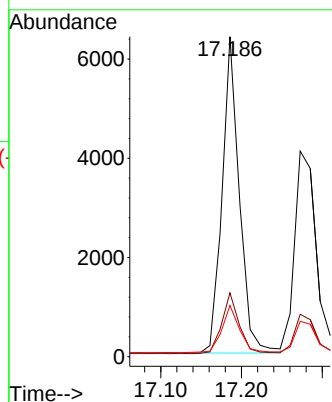
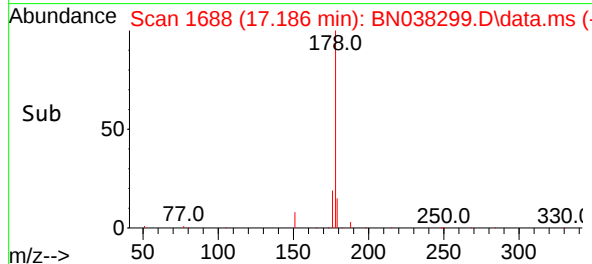
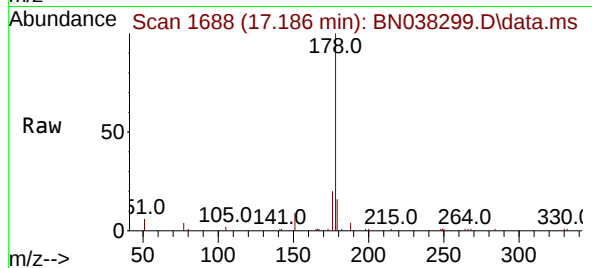




#25  
Phenanthrene  
Concen: 0.197 ng  
RT: 17.186 min Scan# 1688  
Delta R.T. 0.000 min  
Lab File: BN038299.D  
Acq: 10 Dec 2025 10:28

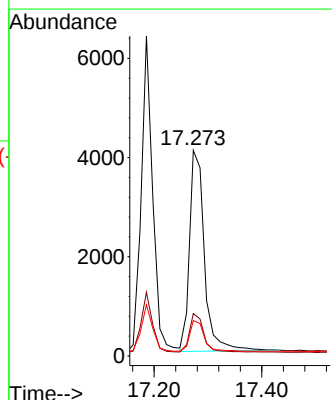
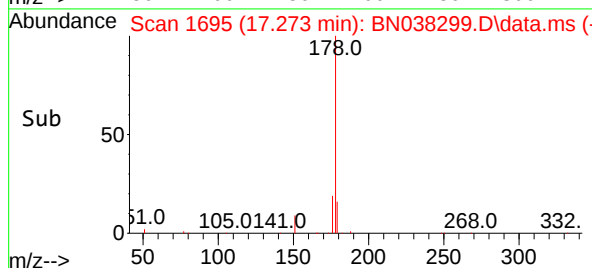
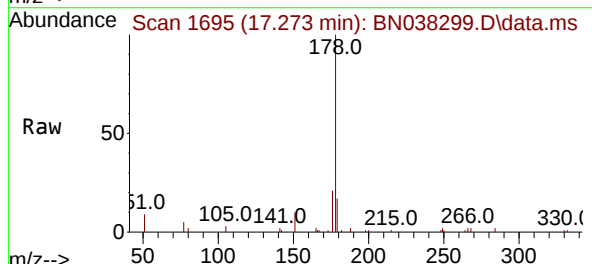
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC0.2

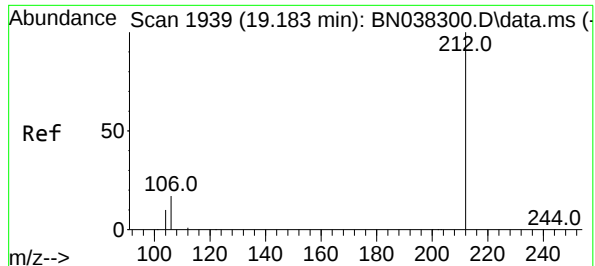
Tgt Ion:178 Resp: 9460  
Ion Ratio Lower Upper  
178 100  
176 19.4 15.5 23.3  
179 15.6 12.2 18.2



#26  
Anthracene  
Concen: 0.188 ng  
RT: 17.273 min Scan# 1695  
Delta R.T. -0.012 min  
Lab File: BN038299.D  
Acq: 10 Dec 2025 10:28

Tgt Ion:178 Resp: 7793  
Ion Ratio Lower Upper  
178 100  
176 18.9 15.1 22.7  
179 15.1 12.0 18.0

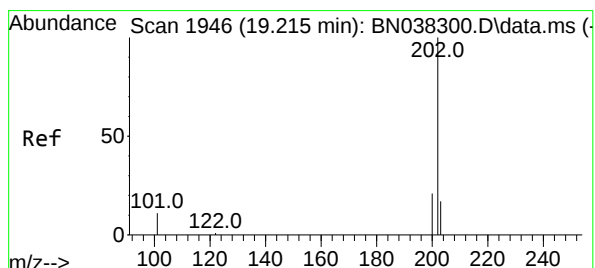
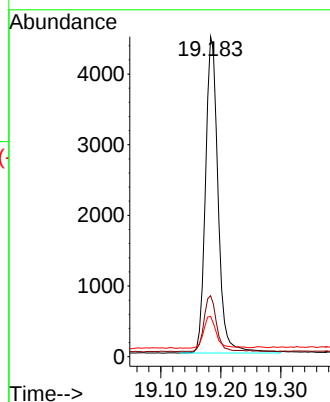
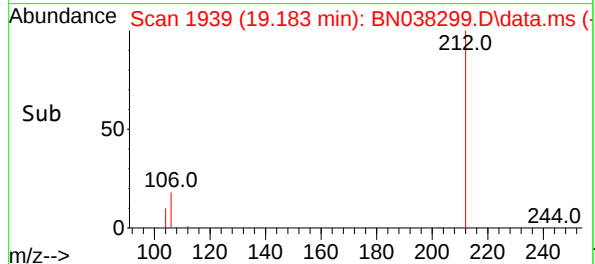
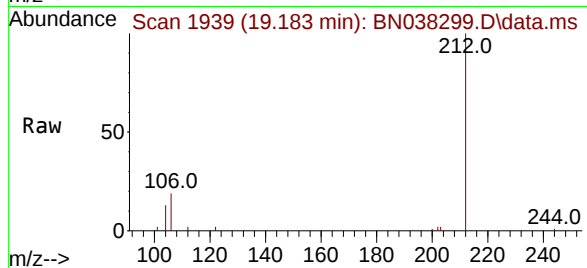




#27  
Fluoranthene-d10  
Concen: 0.191 ng  
RT: 19.183 min Scan# 1939  
Delta R.T. -0.005 min  
Lab File: BN038299.D  
Acq: 10 Dec 2025 10:28

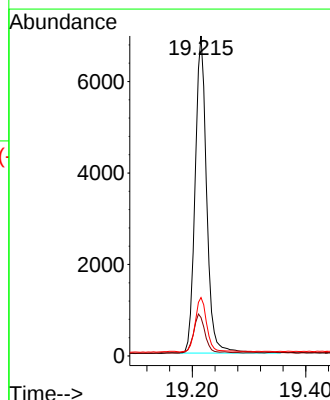
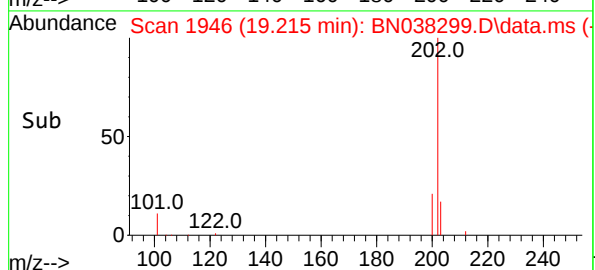
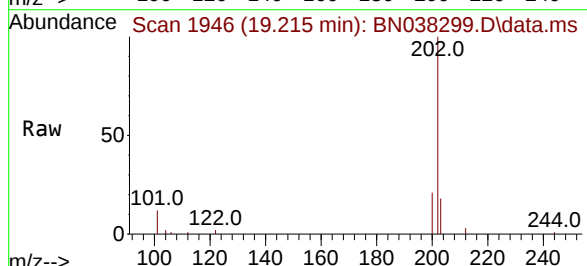
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC0.2

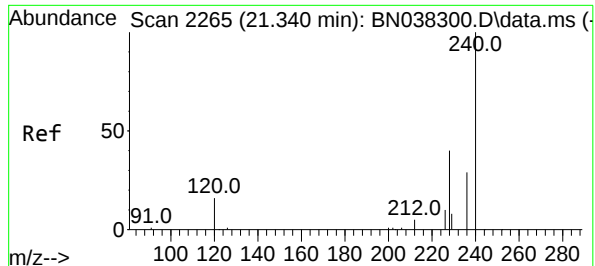
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 212     | 100   |       |       |
| 106     | 17.5  | 13.7  | 20.5  |
| 104     | 10.3  | 7.8   | 11.8  |



#28  
Fluoranthene  
Concen: 0.191 ng  
RT: 19.215 min Scan# 1946  
Delta R.T. -0.005 min  
Lab File: BN038299.D  
Acq: 10 Dec 2025 10:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 11.9  | 9.6   | 14.4  |
| 203     | 17.3  | 13.5  | 20.3  |

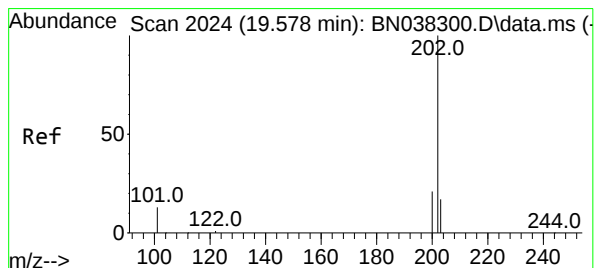
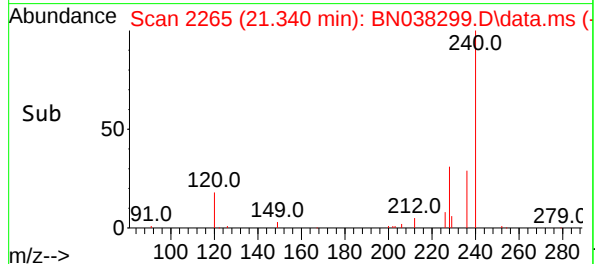
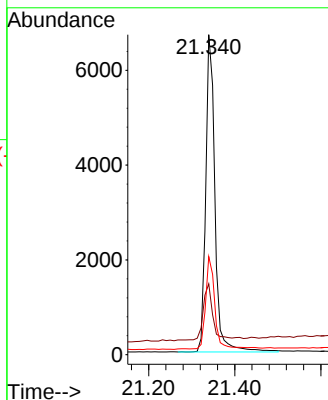
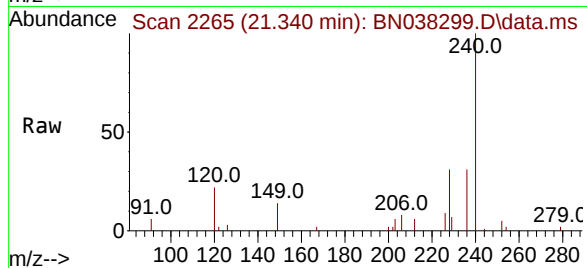




#29  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.340 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: BN038299.D  
Acq: 10 Dec 2025 10:28

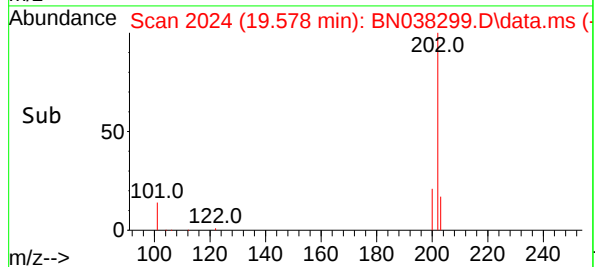
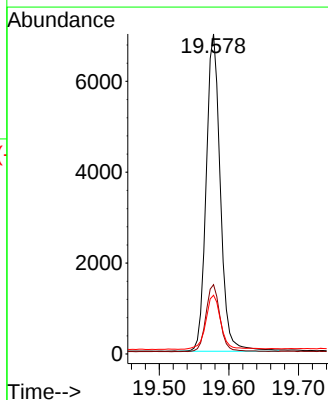
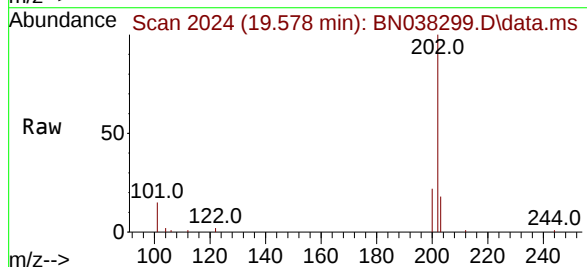
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC0.2

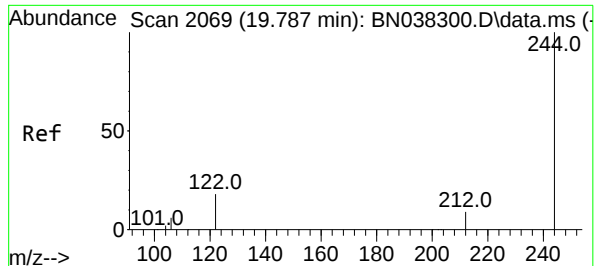
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 22.1  | 15.4  | 23.2  |
| 236     | 30.7  | 23.9  | 35.9  |



#30  
Pyrene  
Concen: 0.200 ng  
RT: 19.578 min Scan# 2024  
Delta R.T. -0.005 min  
Lab File: BN038299.D  
Acq: 10 Dec 2025 10:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 21.2  | 16.9  | 25.3  |
| 203     | 17.9  | 14.2  | 21.2  |

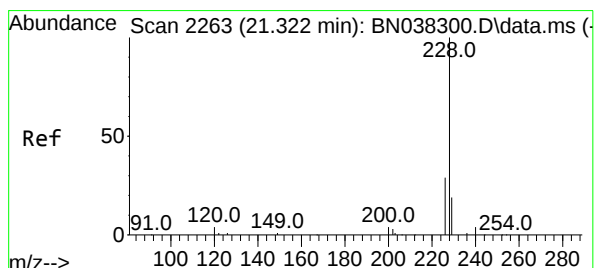
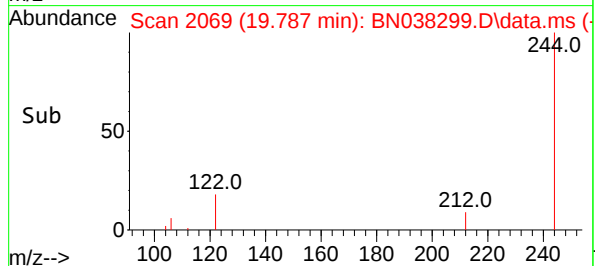
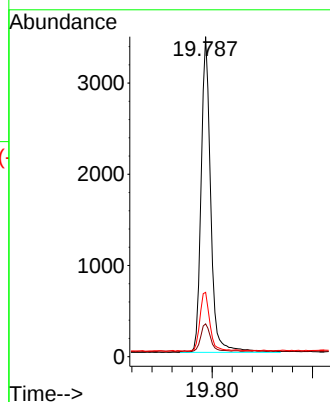
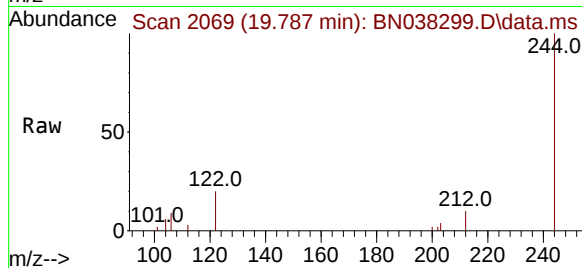




#31  
Terphenyl-d14  
Concen: 0.205 ng  
RT: 19.787 min Scan# 2069  
Delta R.T. -0.005 min  
Lab File: BN038299.D  
Acq: 10 Dec 2025 10:28

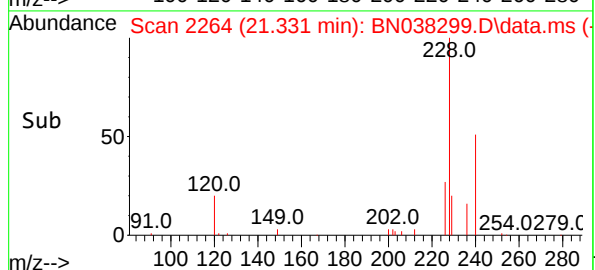
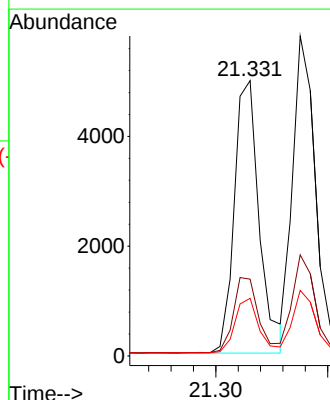
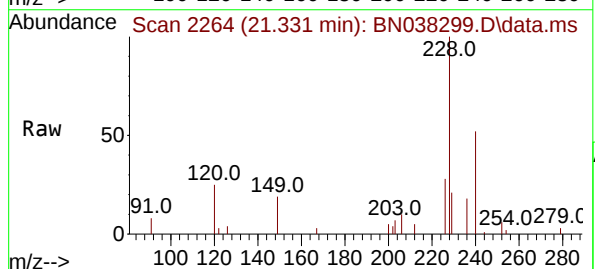
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC0.2

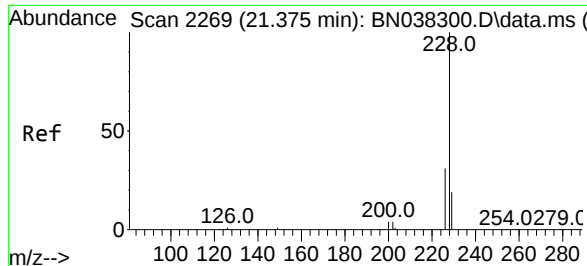
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 10.3  | 7.9   | 11.9  |
| 122     | 20.1  | 15.0  | 22.6  |



#32  
Benzo(a)anthracene  
Concen: 0.199 ng  
RT: 21.331 min Scan# 2264  
Delta R.T. 0.000 min  
Lab File: BN038299.D  
Acq: 10 Dec 2025 10:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 27.9  | 23.3  | 34.9  |
| 229     | 20.9  | 15.7  | 23.5  |





#33

Chrysene

Concen: 0.201 ng

RT: 21.375 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN038299.D

Acq: 10 Dec 2025 10:28

Instrument :

BNA\_N

ClientSampleId :

SSTDICC0.2

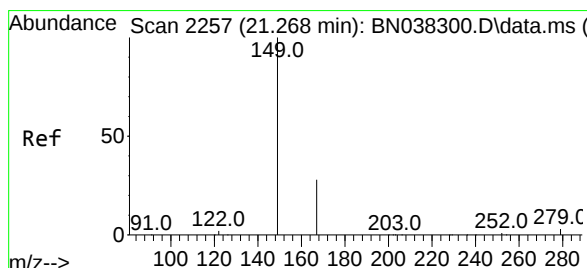
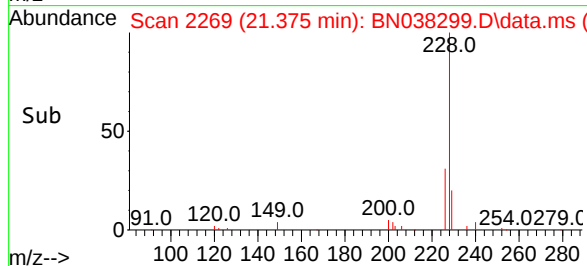
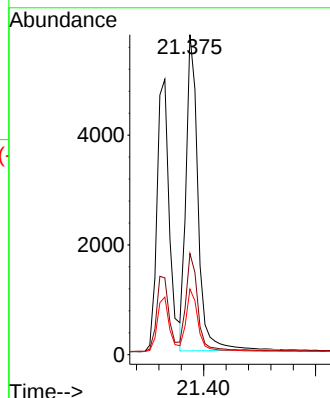
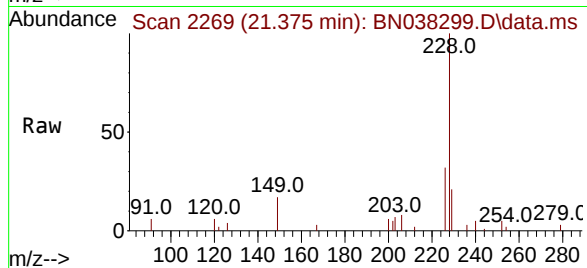
Tgt Ion:228 Resp: 8559

Ion Ratio Lower Upper

228 100

226 31.6 25.0 37.4

229 20.5 15.5 23.3



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.236 ng

RT: 21.268 min Scan# 2257

Delta R.T. 0.000 min

Lab File: BN038299.D

Acq: 10 Dec 2025 10:28

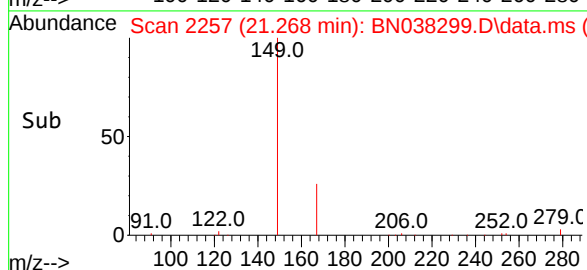
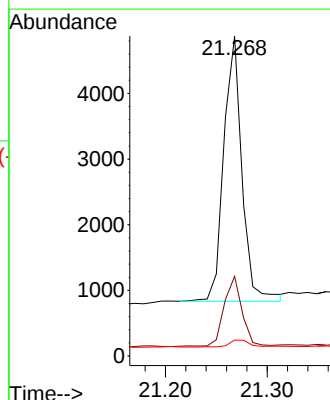
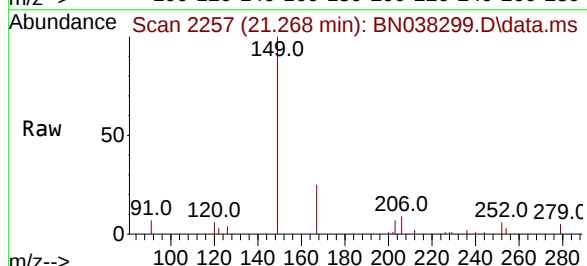
Tgt Ion:149 Resp: 5010

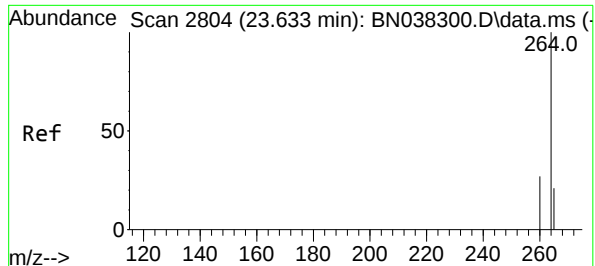
Ion Ratio Lower Upper

149 100

167 25.8 21.4 32.0

279 3.4 2.4 3.6

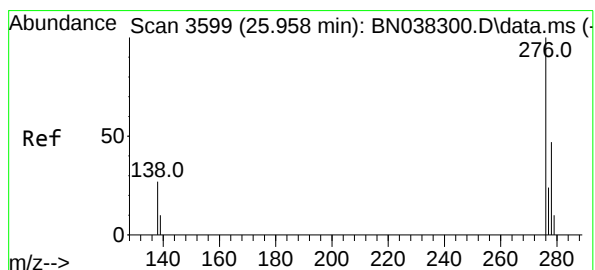
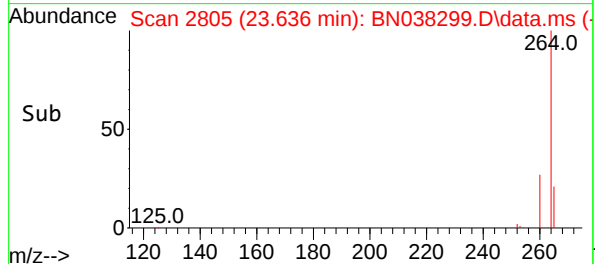
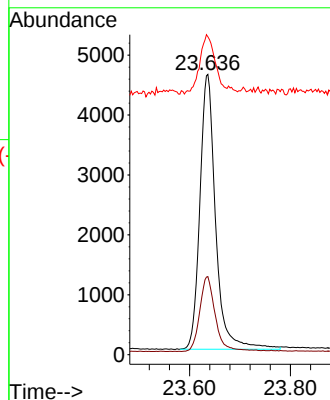
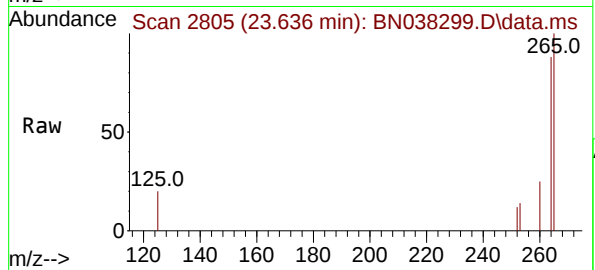




#35  
Perylene-d12  
Concen: 0.400 ng  
RT: 23.636 min Scan# 21  
Delta R.T. 0.003 min  
Lab File: BN038299.D  
Acq: 10 Dec 2025 10:28

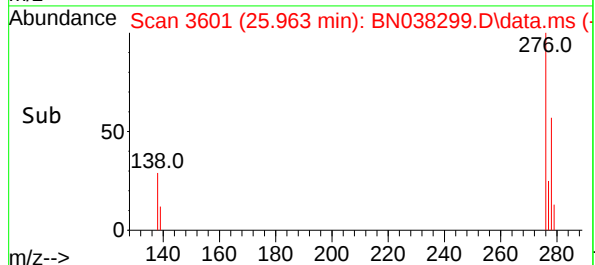
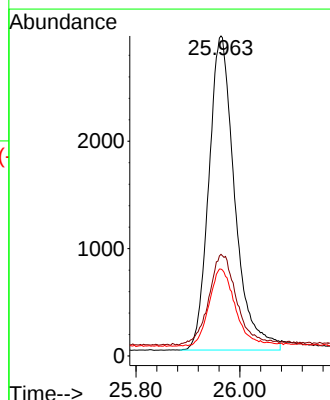
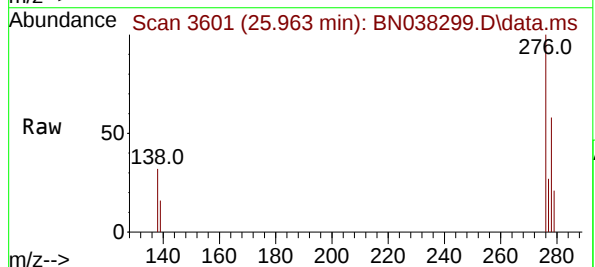
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC0.2

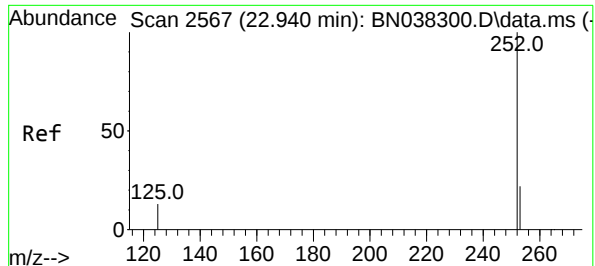
Tgt Ion:264 Resp: 9929  
Ion Ratio Lower Upper  
264 100  
260 27.8 22.2 33.2  
265 113.4 80.2 120.2



#36  
Indeno(1,2,3-cd)pyrene  
Concen: 0.192 ng  
RT: 25.963 min Scan# 3601  
Delta R.T. 0.000 min  
Lab File: BN038299.D  
Acq: 10 Dec 2025 10:28

Tgt Ion:276 Resp: 10127  
Ion Ratio Lower Upper  
276 100  
138 30.8 23.6 35.4  
277 24.3 19.7 29.5





#37

Benzo(b)fluoranthene

Concen: 0.199 ng

RT: 22.943 min Scan# 2567

Delta R.T. -0.003 min

Lab File: BN038299.D

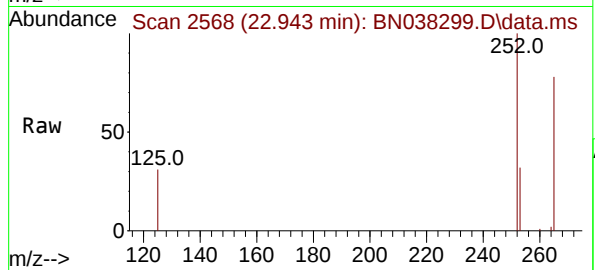
Acq: 10 Dec 2025 10:28

Instrument :

BNA\_N

ClientSampleId :

SSTDICC0.2



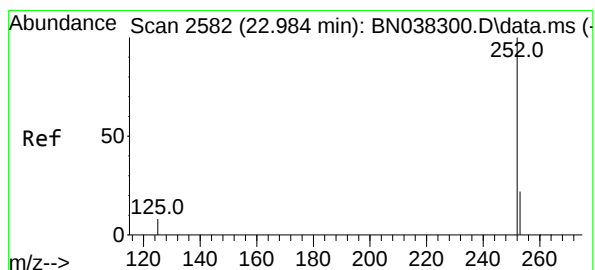
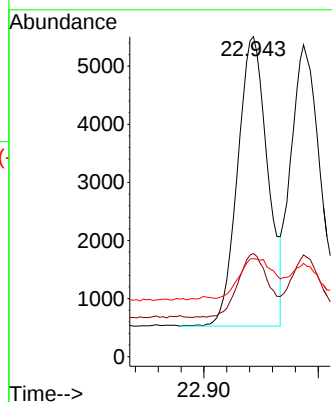
Tgt Ion:252 Resp: 9091

Ion Ratio Lower Upper

252 100

253 32.2 21.1 31.7#

125 30.6 16.4 24.6#



#38

Benzo(k)fluoranthene

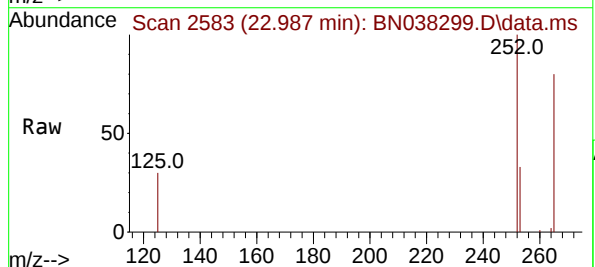
Concen: 0.196 ng

RT: 22.987 min Scan# 2583

Delta R.T. -0.003 min

Lab File: BN038299.D

Acq: 10 Dec 2025 10:28



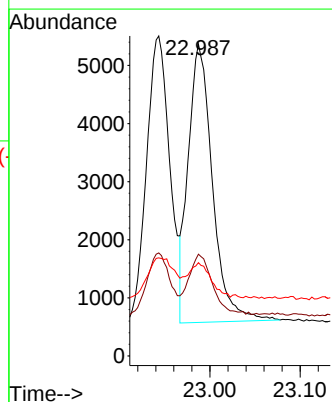
Tgt Ion:252 Resp: 8902

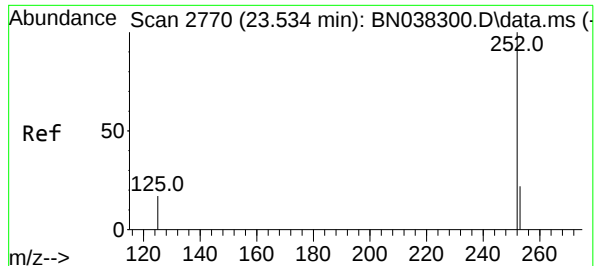
Ion Ratio Lower Upper

252 100

253 32.6 21.4 32.0#

125 29.9 16.2 24.2#





#39

Benzo(a)pyrene

Concen: 0.194 ng

RT: 23.534 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN038299.D

Acq: 10 Dec 2025 10:28

Instrument :

BNA\_N

ClientSampleId :

SSTDICC0.2

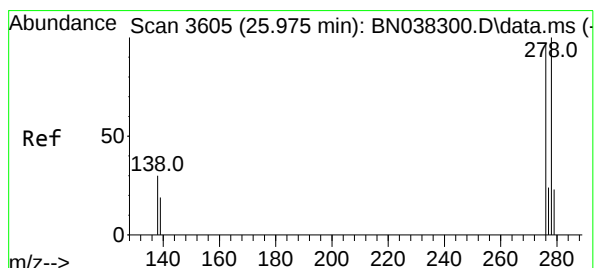
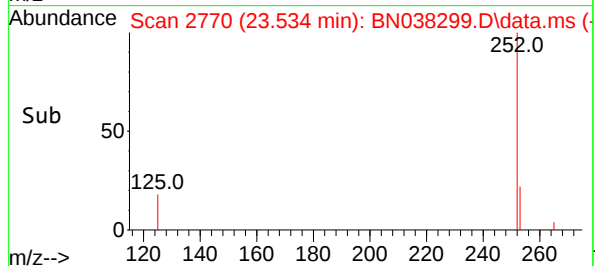
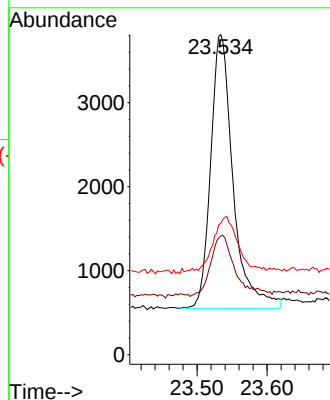
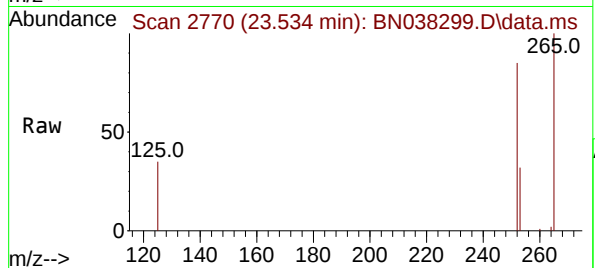
Tgt Ion:252 Resp: 7243

Ion Ratio Lower Upper

252 100

253 37.1 23.3 34.9#

125 41.1 22.4 33.6#



#40

Dibenzo(a,h)anthracene

Concen: 0.186 ng

RT: 25.981 min Scan# 3607

Delta R.T. 0.000 min

Lab File: BN038299.D

Acq: 10 Dec 2025 10:28

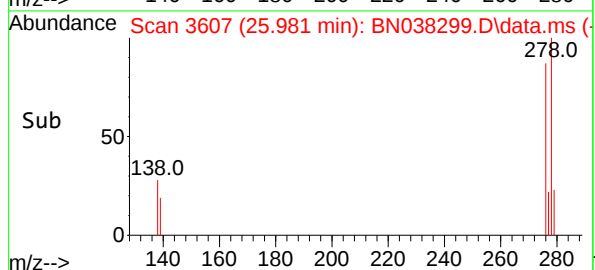
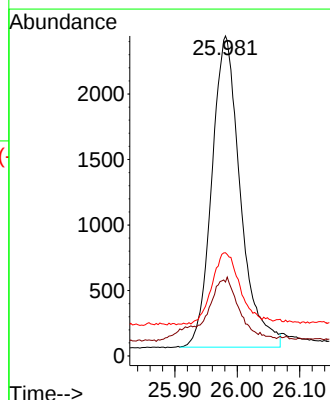
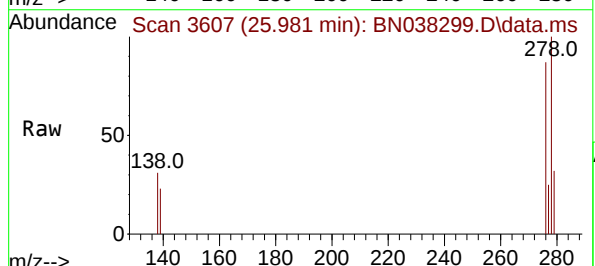
Tgt Ion:278 Resp: 7551

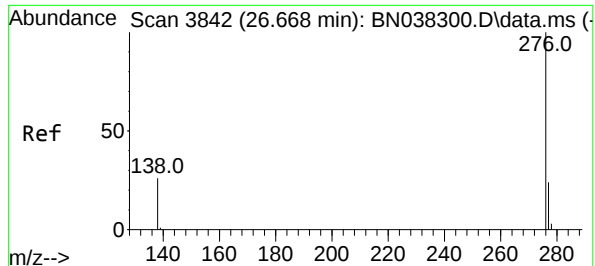
Ion Ratio Lower Upper

278 100

139 23.1 17.8 26.8

279 32.3 21.3 31.9#





#41

Benzo(g,h,i)perylene

Concen: 0.199 ng

RT: 26.668 min Scan# 3842

Delta R.T. -0.009 min

Lab File: BN038299.D

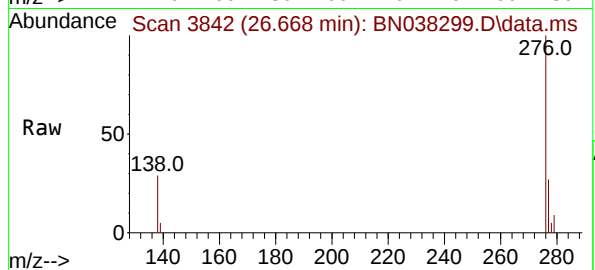
Acq: 10 Dec 2025 10:28

Instrument :

BNA\_N

ClientSampleId :

SSTDICC0.2



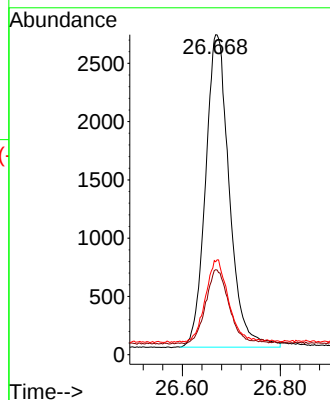
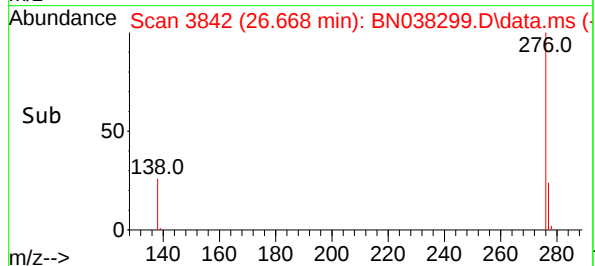
Tgt Ion:276 Resp: 9018

Ion Ratio Lower Upper

276 100

277 26.6 20.0 30.0

138 29.1 21.8 32.6



Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN121025\  
 Data File : BN038300.D  
 Acq On : 10 Dec 2025 11:05  
 Operator : RC/JU  
 Sample : SSTDICCC0.4  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTDICCC0.4

Quant Time: Dec 10 13:59:39 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN121025.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 10 13:56:50 2025  
 Response via : Initial Calibration

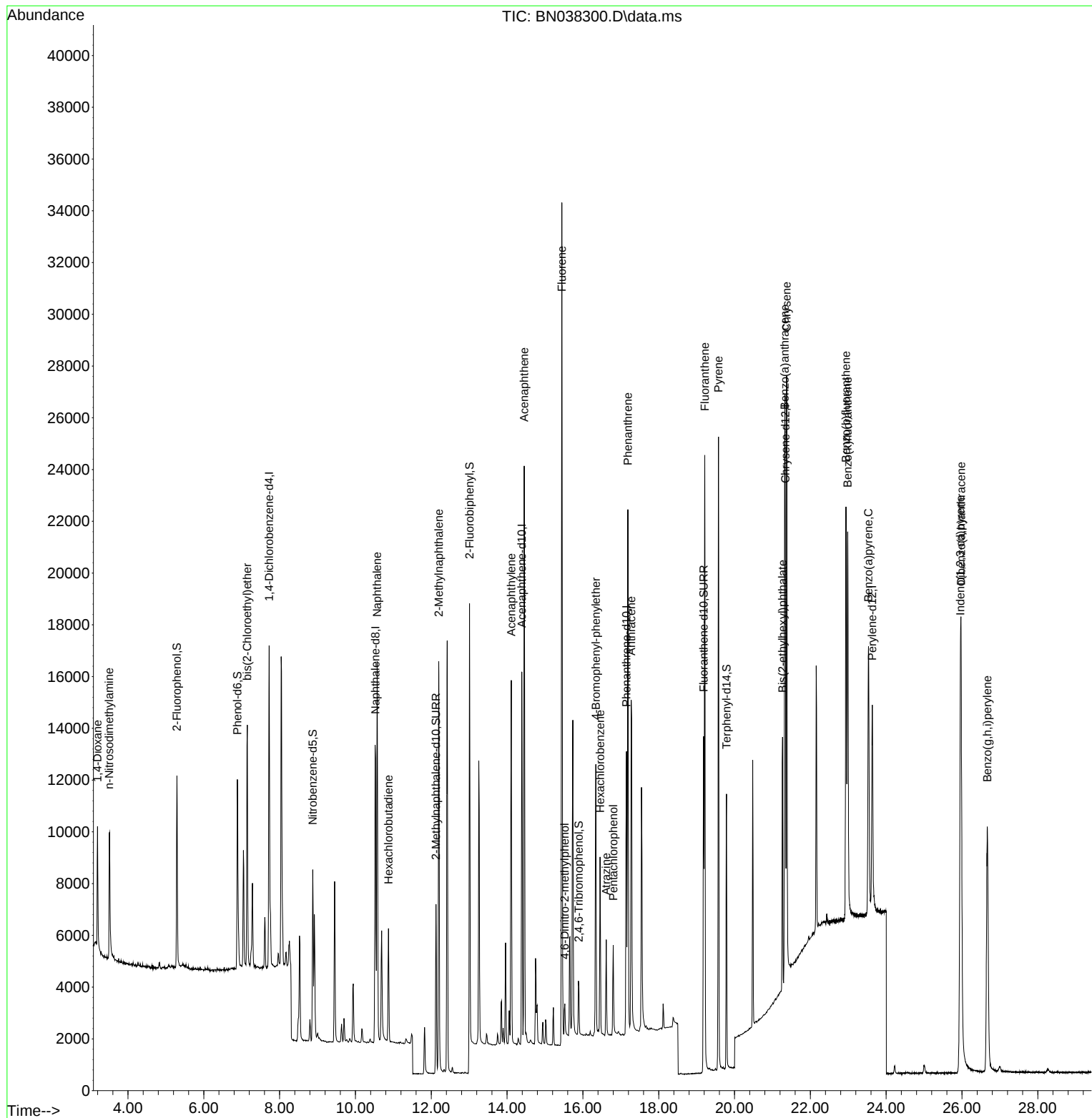
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.724  | 152  | 6216     | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.530 | 136  | 16402    | 0.400 | ng    | 0.00     |
| 13) Acenaphthene-d10          | 14.388 | 164  | 8187     | 0.400 | ng    | -0.01    |
| 19) Phenanthrene-d10          | 17.149 | 188  | 14825    | 0.400 | ng    | 0.00     |
| 29) Chrysene-d12              | 21.340 | 240  | 11516    | 0.400 | ng    | 0.00     |
| 35) Perylene-d12              | 23.633 | 264  | 11519    | 0.400 | ng    | 0.00     |
|                               |        |      |          |       |       |          |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.290  | 112  | 6141     | 0.397 | ng    | 0.00     |
| 5) Phenol-d6                  | 6.887  | 99   | 7155     | 0.389 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 8.875  | 82   | 5397     | 0.390 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10   | 12.126 | 152  | 9006     | 0.389 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 15.895 | 330  | 1371     | 0.377 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 13.008 | 172  | 15778    | 0.400 | ng    | 0.00     |
| 27) Fluoranthene-d10          | 19.183 | 212  | 14593    | 0.398 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.787 | 244  | 10141    | 0.395 | ng    | 0.00     |
|                               |        |      |          |       |       |          |
| Target Compounds              |        |      |          |       |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.196  | 88   | 2892     | 0.406 | ng    | 100      |
| 3) n-Nitrosodimethylamine     | 3.507  | 42   | 3533     | 0.395 | ng    | 100      |
| 6) bis(2-Chloroethyl)ether    | 7.147  | 93   | 7250     | 0.403 | ng    | 100      |
| 9) Naphthalene                | 10.573 | 128  | 19154    | 0.395 | ng    | 100      |
| 10) Hexachlorobutadiene       | 10.872 | 225  | 3444     | 0.400 | ng    | # 100    |
| 12) 2-Methylnaphthalene       | 12.197 | 142  | 11982    | 0.389 | ng    | 100      |
| 16) Acenaphthylene            | 14.110 | 152  | 15581    | 0.388 | ng    | 100      |
| 17) Acenaphthene              | 14.452 | 154  | 10983    | 0.392 | ng    | 100      |
| 18) Fluorene                  | 15.446 | 166  | 13979    | 0.388 | ng    | 100      |
| 20) 4,6-Dinitro-2-methylph... | 15.523 | 198  | 840      | 0.344 | ng    | 100      |
| 21) 4-Bromophenyl-phenylether | 16.342 | 248  | 4253     | 0.387 | ng    | 100      |
| 22) Hexachlorobenzene         | 16.453 | 284  | 5190     | 0.393 | ng    | 100      |
| 23) Atrazine                  | 16.615 | 200  | 2824     | 0.376 | ng    | 100      |
| 24) Pentachlorophenol         | 16.801 | 266  | 1789     | 0.347 | ng    | 100      |
| 25) Phenanthrene              | 17.186 | 178  | 20202    | 0.392 | ng    | 100      |
| 26) Anthracene                | 17.273 | 178  | 16986    | 0.382 | ng    | 100      |
| 28) Fluoranthene              | 19.215 | 202  | 21635    | 0.394 | ng    | 100      |
| 30) Pyrene                    | 19.578 | 202  | 22115    | 0.390 | ng    | 100      |
| 32) Benzo(a)anthracene        | 21.322 | 228  | 17031    | 0.383 | ng    | 100      |
| 33) Chrysene                  | 21.375 | 228  | 19820    | 0.405 | ng    | 100      |
| 34) Bis(2-ethylhexyl)phtha... | 21.268 | 149  | 9726     | 0.399 | ng    | 100      |
| 36) Indeno(1,2,3-cd)pyrene    | 25.958 | 276  | 24439    | 0.400 | ng    | 100      |
| 37) Benzo(b)fluoranthene      | 22.940 | 252  | 20540    | 0.388 | ng    | 100      |
| 38) Benzo(k)fluoranthene      | 22.984 | 252  | 20691    | 0.392 | ng    | 100      |
| 39) Benzo(a)pyrene            | 23.534 | 252  | 16923    | 0.391 | ng    | 100      |
| 40) Dibenzo(a,h)anthracene    | 25.975 | 278  | 18646    | 0.396 | ng    | 100      |
| 41) Benzo(g,h,i)perylene      | 26.668 | 276  | 20868    | 0.396 | ng    | 100      |
| -----                         |        |      |          |       |       |          |

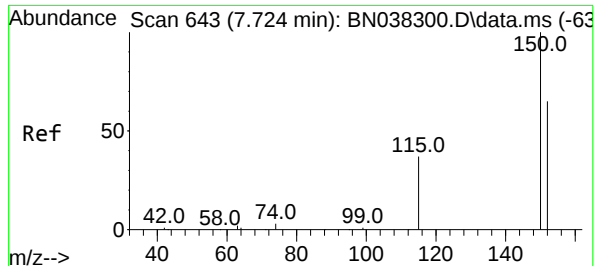
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN121025\  
Data File : BN038300.D  
Acq On : 10 Dec 2025 11:05  
Operator : RC/JU  
Sample : SSTDICCC0.4  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICCC0.4

Quant Time: Dec 10 13:59:39 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN121025.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Dec 10 13:56:50 2025  
Response via : Initial Calibration

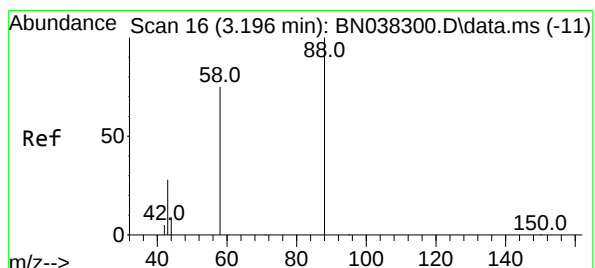
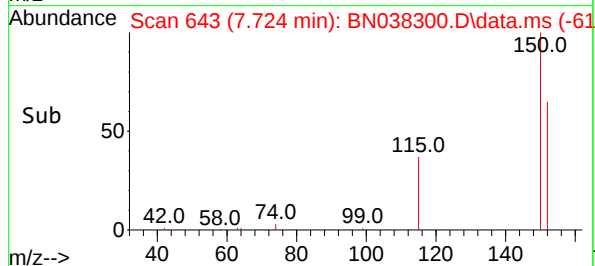
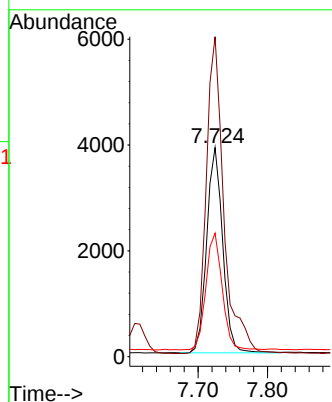
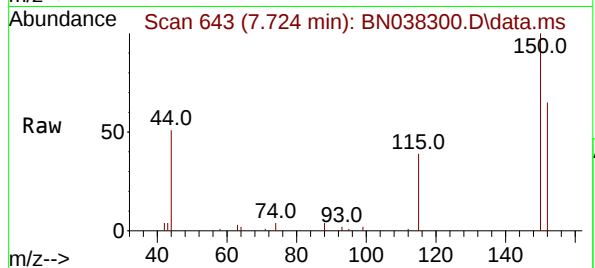




#1  
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.724 min Scan# 64  
Delta R.T. 0.000 min  
Lab File: BN038300.D  
Acq: 10 Dec 2025 11:05

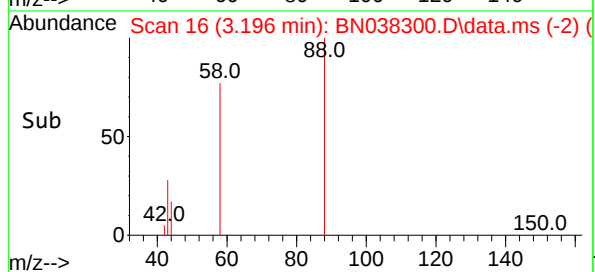
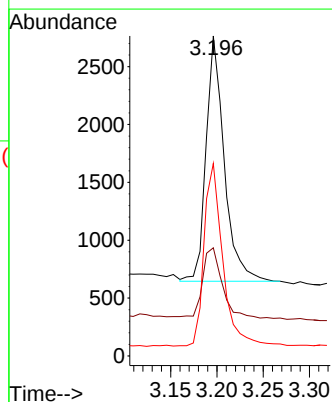
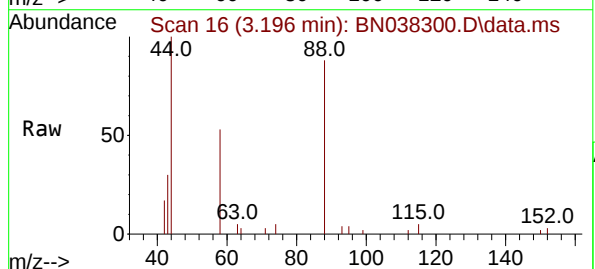
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICCC0.4

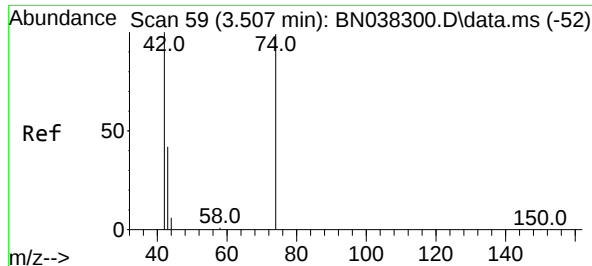
Tgt Ion:152 Resp: 6216  
Ion Ratio Lower Upper  
152 100  
150 153.0 122.4 183.6  
115 59.1 47.3 70.9



#2  
1,4-Dioxane  
Concen: 0.406 ng  
RT: 3.196 min Scan# 16  
Delta R.T. 0.000 min  
Lab File: BN038300.D  
Acq: 10 Dec 2025 11:05

Tgt Ion: 88 Resp: 2892  
Ion Ratio Lower Upper  
88 100  
43 31.1 24.9 37.3  
58 76.7 61.4 92.0

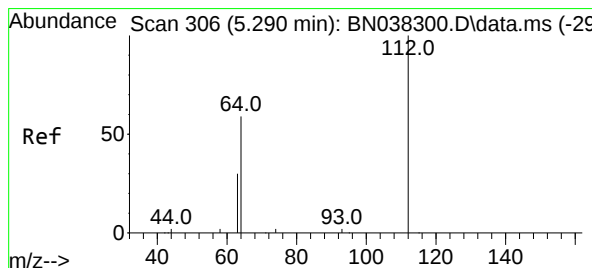
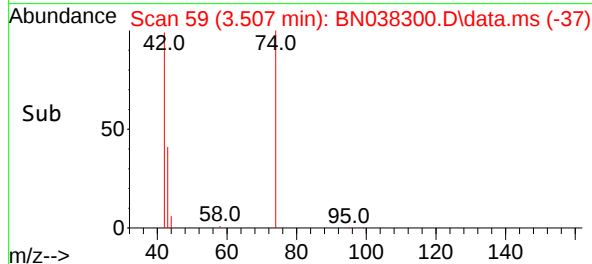
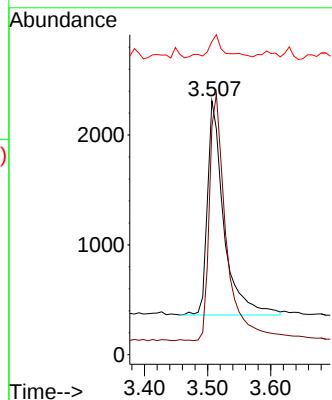
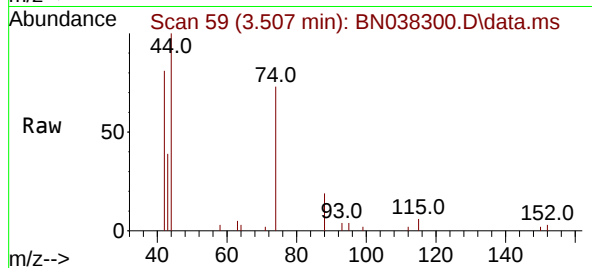




#3  
n-Nitrosodimethylamine  
Concen: 0.395 ng  
RT: 3.507 min Scan# 59  
Delta R.T. 0.007 min  
Lab File: BN038300.D  
Acq: 10 Dec 2025 11:05

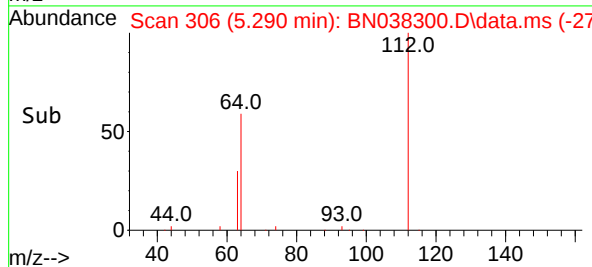
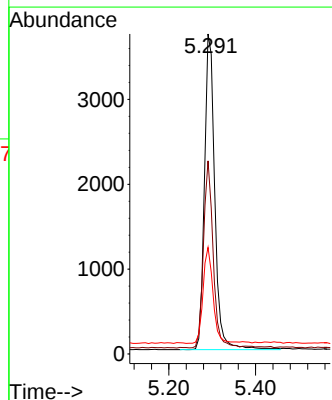
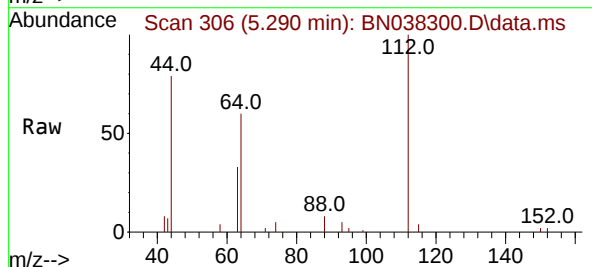
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICCC0.4

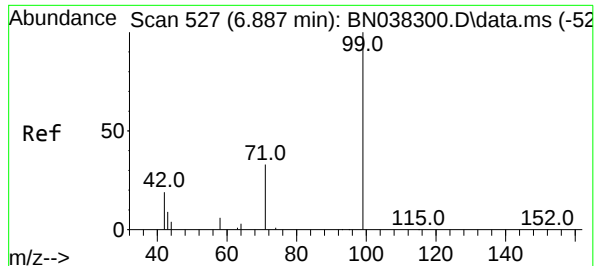
Tgt Ion: 42 Resp: 3533  
Ion Ratio Lower Upper  
42 100  
74 119.3 95.3 142.9  
44 10.0 7.9 11.9



#4  
2-Fluorophenol  
Concen: 0.397 ng  
RT: 5.290 min Scan# 306  
Delta R.T. 0.000 min  
Lab File: BN038300.D  
Acq: 10 Dec 2025 11:05

Tgt Ion: 112 Resp: 6141  
Ion Ratio Lower Upper  
112 100  
64 55.5 44.4 66.6  
63 29.2 23.4 35.0





#5

Phenol-d6

Concen: 0.389 ng

RT: 6.887 min Scan# 51

Delta R.T. 0.000 min

Lab File: BN038300.D

Acq: 10 Dec 2025 11:05

Instrument :

BNA\_N

ClientSampleId :

SSTDICCC0.4

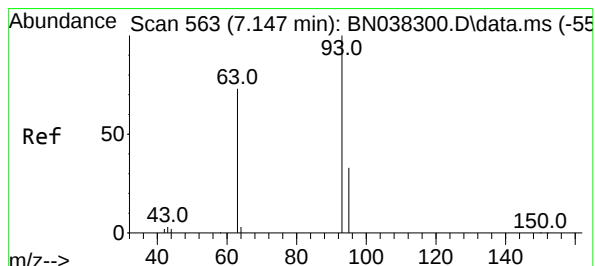
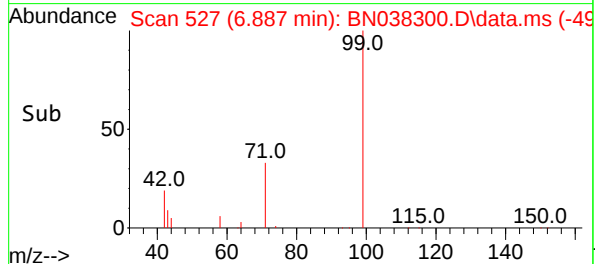
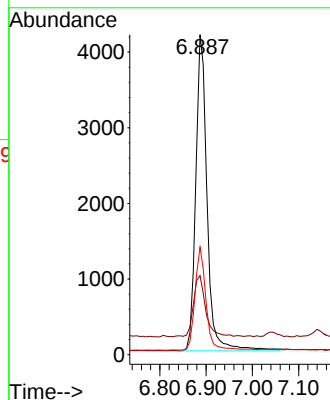
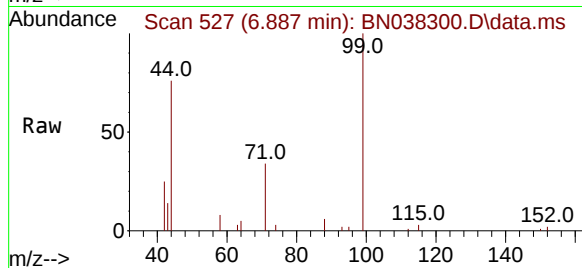
Tgt Ion: 99 Resp: 7155

Ion Ratio Lower Upper

99 100

42 20.6 16.5 24.7

71 31.1 24.9 37.3



#6

bis(2-Chloroethyl)ether

Concen: 0.403 ng

RT: 7.147 min Scan# 563

Delta R.T. 0.000 min

Lab File: BN038300.D

Acq: 10 Dec 2025 11:05

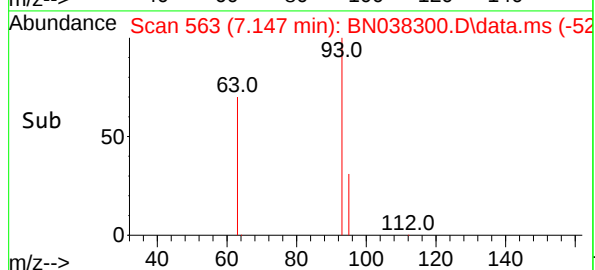
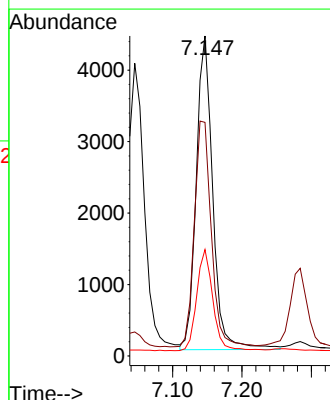
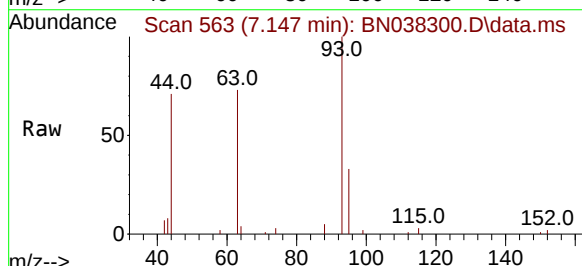
Tgt Ion: 93 Resp: 7250

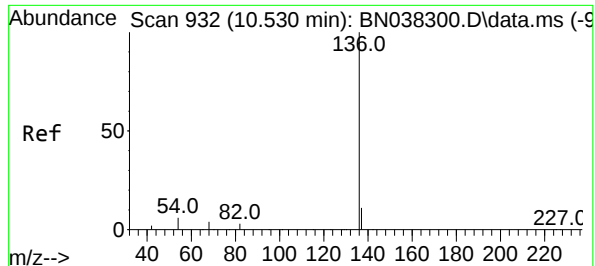
Ion Ratio Lower Upper

93 100

63 74.0 59.2 88.8

95 31.5 25.2 37.8

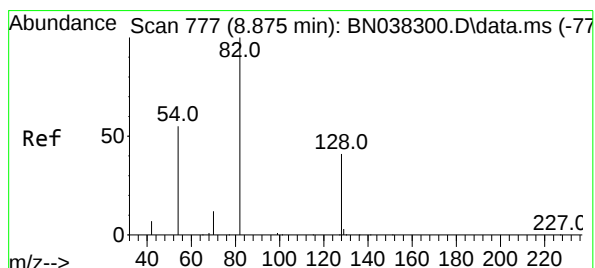
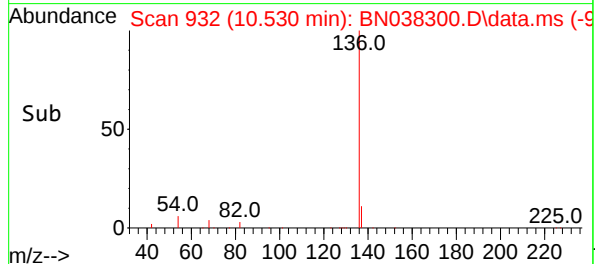
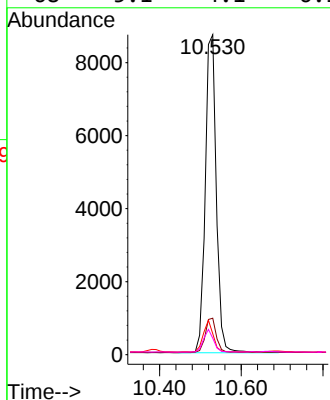
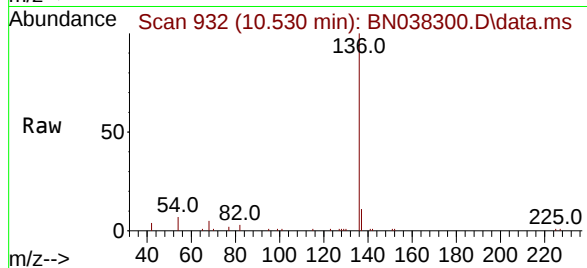




#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.530 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: BN038300.D  
Acq: 10 Dec 2025 11:05

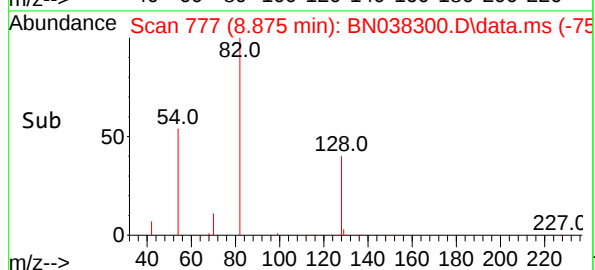
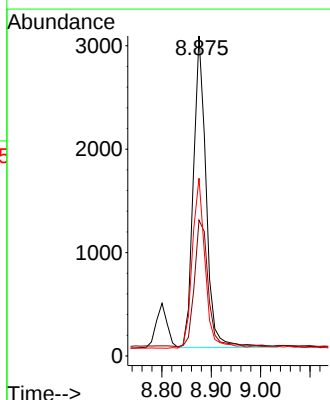
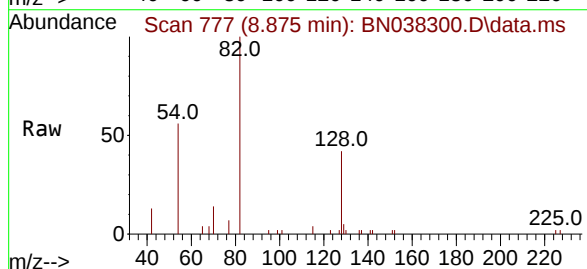
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICCC0.4

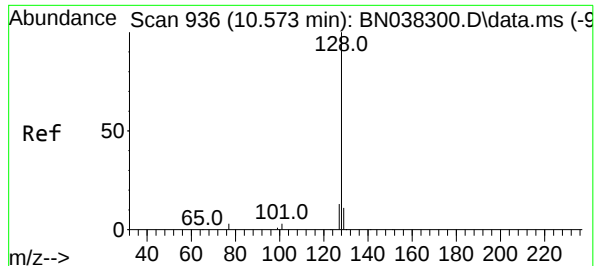
| Tgt Ion | 136   | Resp  | 16402 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 136     | 100   |       |       |
| 137     | 11.4  | 9.1   | 13.7  |
| 54      | 6.5   | 5.2   | 7.8   |
| 68      | 5.1   | 4.1   | 6.1   |



#8  
Nitrobenzene-d5  
Concen: 0.390 ng  
RT: 8.875 min Scan# 777  
Delta R.T. 0.000 min  
Lab File: BN038300.D  
Acq: 10 Dec 2025 11:05

| Tgt Ion | 82    | Resp  | 5397  |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 82      | 100   |       |       |
| 128     | 42.5  | 34.0  | 51.0  |
| 54      | 55.5  | 44.4  | 66.6  |

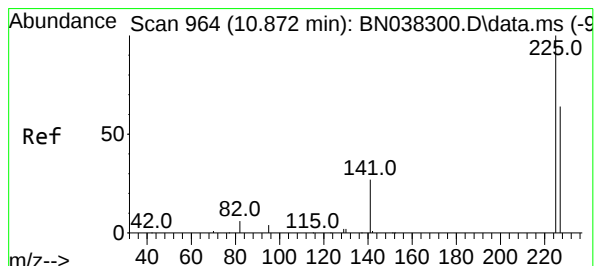
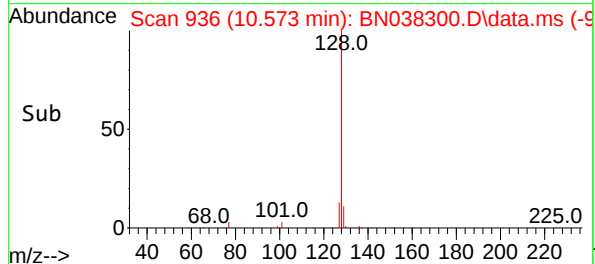
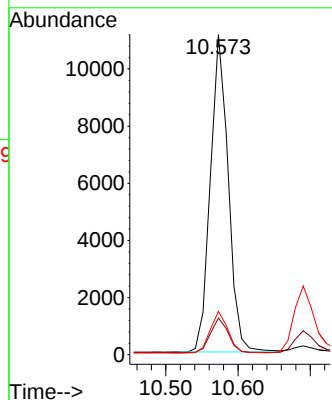
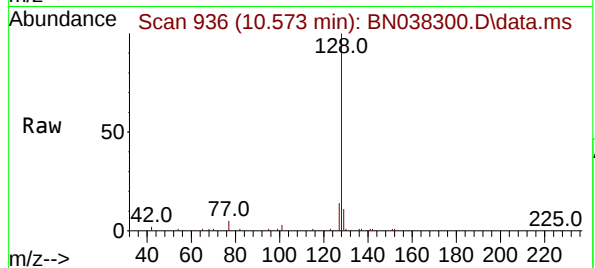




#9  
Naphthalene  
Concen: 0.395 ng  
RT: 10.573 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: BN038300.D  
Acq: 10 Dec 2025 11:05

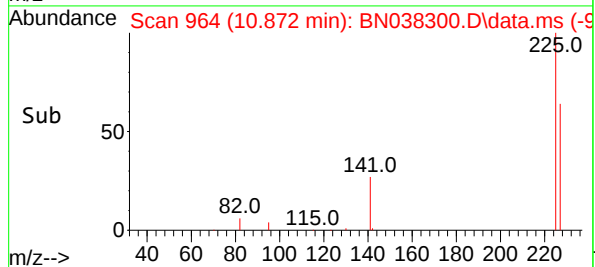
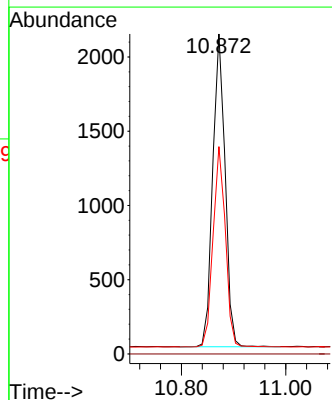
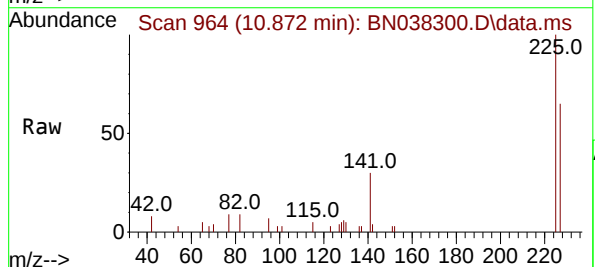
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICCC0.4

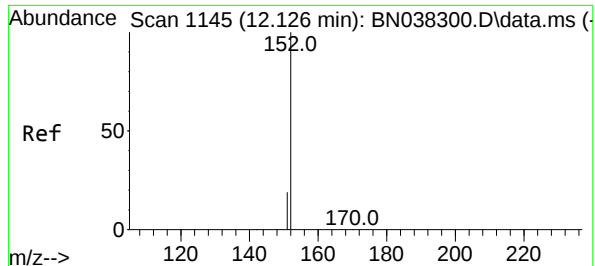
Tgt Ion:128 Resp: 19154  
Ion Ratio Lower Upper  
128 100  
129 11.4 9.1 13.7  
127 13.6 10.9 16.3



#10  
Hexachlorobutadiene  
Concen: 0.400 ng  
RT: 10.872 min Scan# 964  
Delta R.T. 0.000 min  
Lab File: BN038300.D  
Acq: 10 Dec 2025 11:05

Tgt Ion:225 Resp: 3444  
Ion Ratio Lower Upper  
225 100  
223 0.0 0.0 0.0  
227 64.0 51.2 76.8

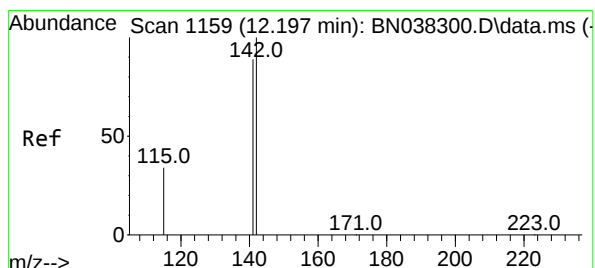
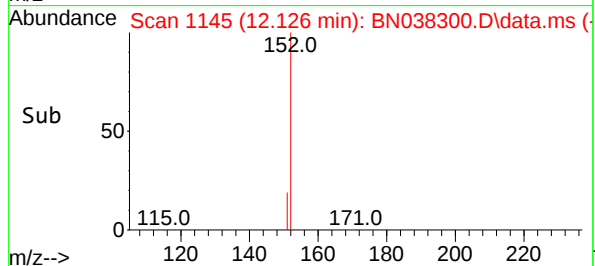
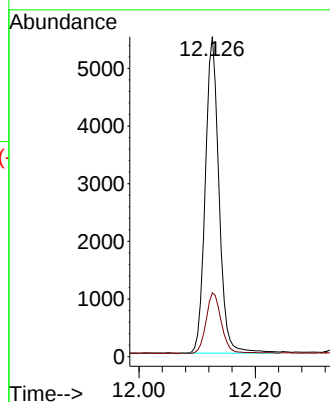
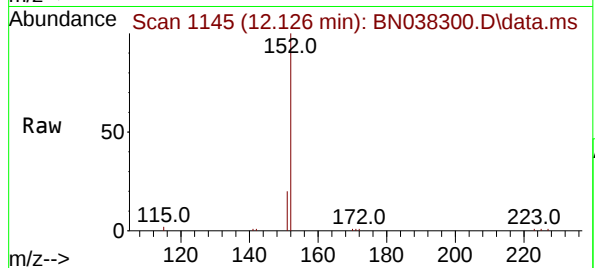




#11  
2-Methylnaphthalene-d10  
Concen: 0.389 ng  
RT: 12.126 min Scan# 1145  
Delta R.T. 0.000 min  
Lab File: BN038300.D  
Acq: 10 Dec 2025 11:05

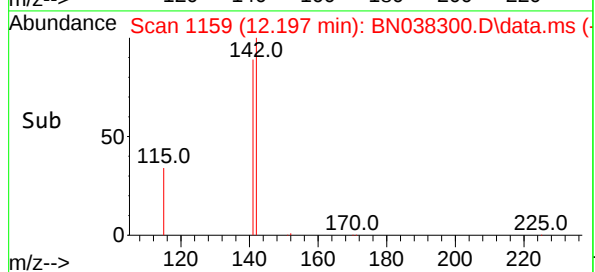
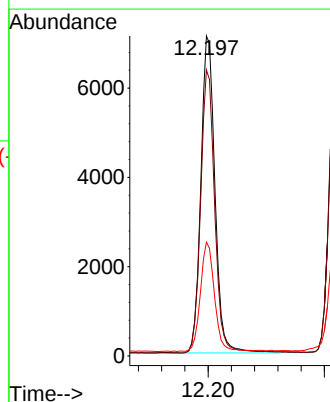
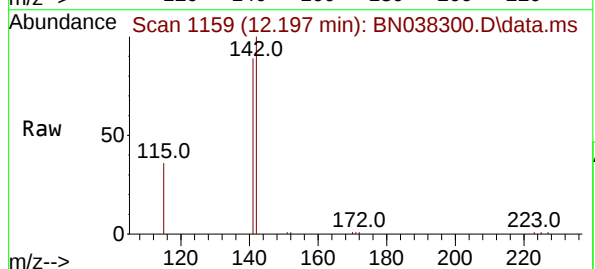
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICCC0.4

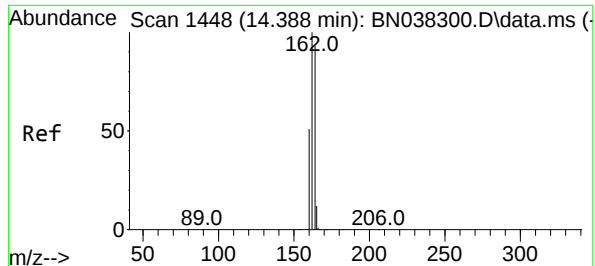
Tgt Ion:152 Resp: 9006  
Ion Ratio Lower Upper  
152 100  
151 21.3 17.0 25.6



#12  
2-Methylnaphthalene  
Concen: 0.389 ng  
RT: 12.197 min Scan# 1159  
Delta R.T. -0.005 min  
Lab File: BN038300.D  
Acq: 10 Dec 2025 11:05

Tgt Ion:142 Resp: 11982  
Ion Ratio Lower Upper  
142 100  
141 89.3 71.4 107.2  
115 35.5 28.4 42.6

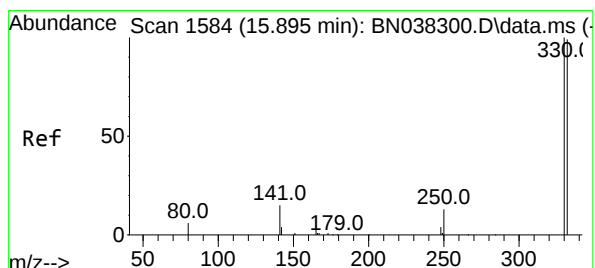
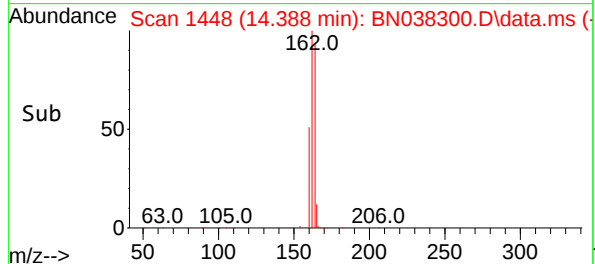
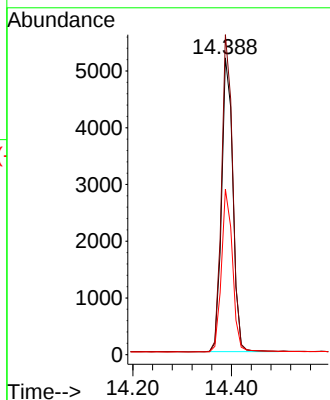
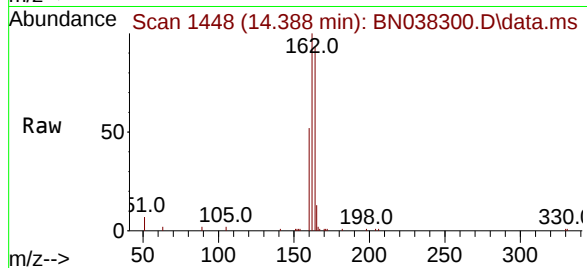




#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.388 min Scan# 1448  
Delta R.T. -0.011 min  
Lab File: BN038300.D  
Acq: 10 Dec 2025 11:05

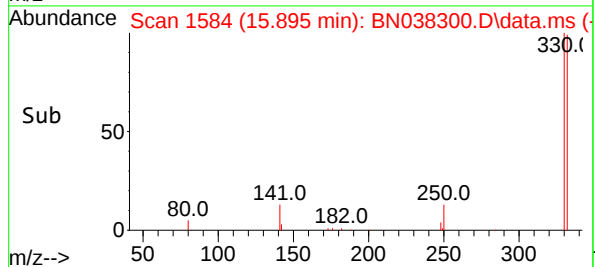
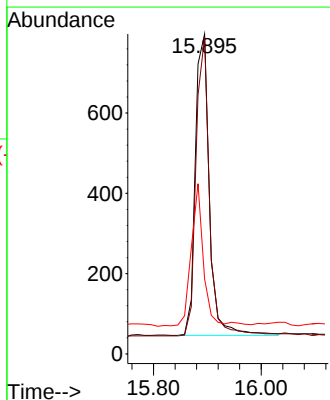
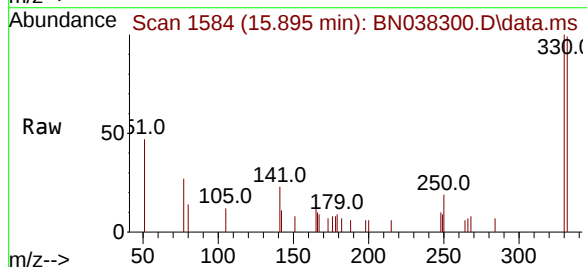
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICCC0.4

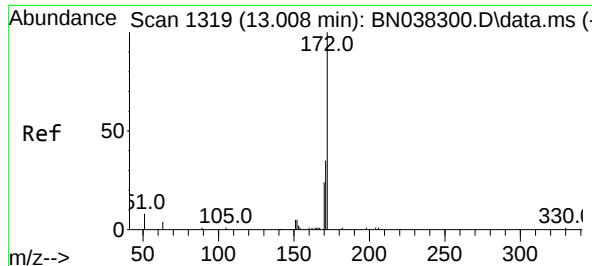
Tgt Ion:164 Resp: 8187  
Ion Ratio Lower Upper  
164 100  
162 107.8 86.2 129.4  
160 55.8 44.6 67.0



#14  
2,4,6-Tribromophenol  
Concen: 0.377 ng  
RT: 15.895 min Scan# 1584  
Delta R.T. 0.000 min  
Lab File: BN038300.D  
Acq: 10 Dec 2025 11:05

Tgt Ion:330 Resp: 1371  
Ion Ratio Lower Upper  
330 100  
332 94.4 75.8 113.6  
141 39.8 31.8 47.8





#15

2-Fluorobiphenyl

Concen: 0.400 ng

RT: 13.008 min Scan# 1319

Delta R.T. 0.000 min

Lab File: BN038300.D

Acq: 10 Dec 2025 11:05

Instrument :

BNA\_N

ClientSampleId :

SSTDICCC0.4

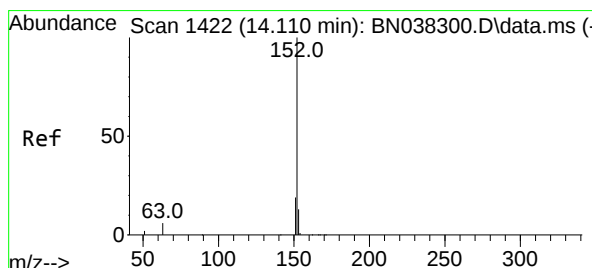
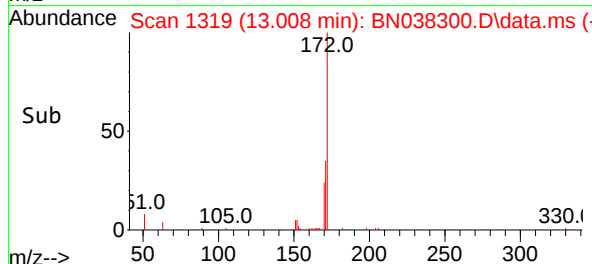
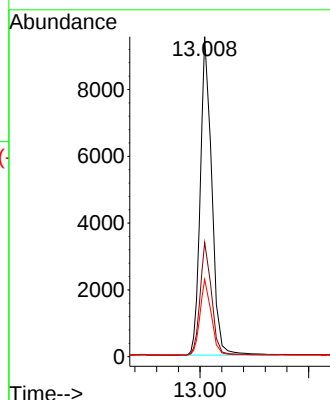
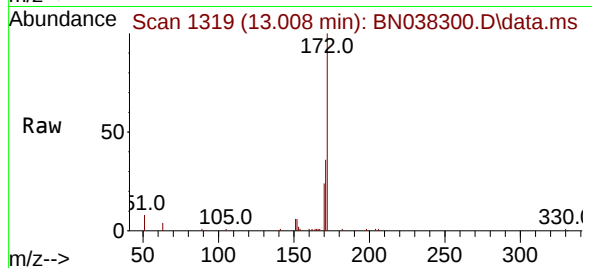
Tgt Ion:172 Resp: 15778

Ion Ratio Lower Upper

172 100

171 35.7 28.6 42.8

170 24.1 19.3 28.9



#16

Acenaphthylene

Concen: 0.388 ng

RT: 14.110 min Scan# 1422

Delta R.T. 0.000 min

Lab File: BN038300.D

Acq: 10 Dec 2025 11:05

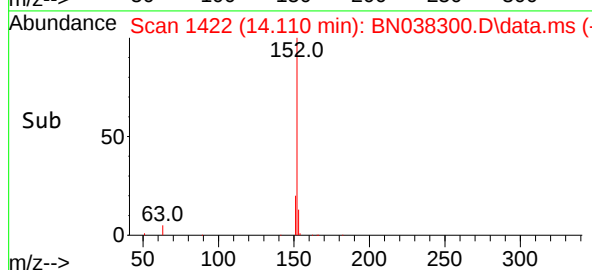
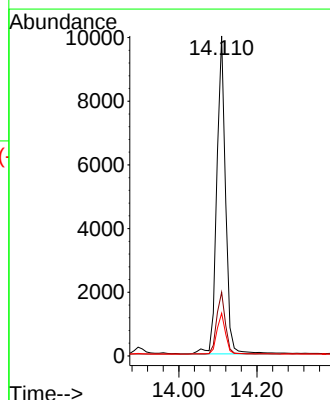
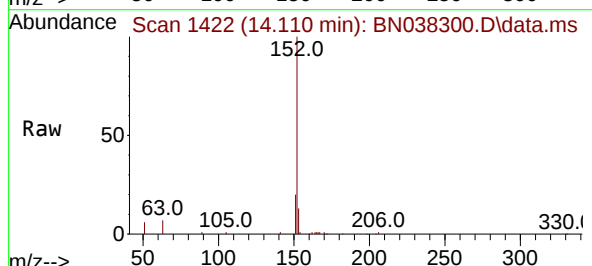
Tgt Ion:152 Resp: 15581

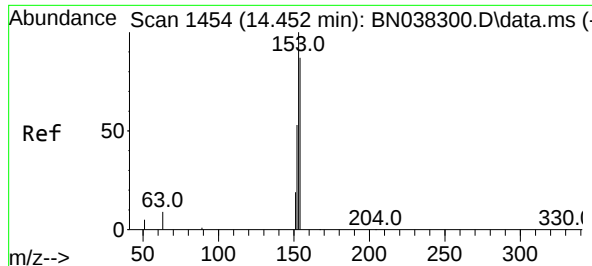
Ion Ratio Lower Upper

152 100

151 19.3 15.4 23.2

153 12.8 10.2 15.4

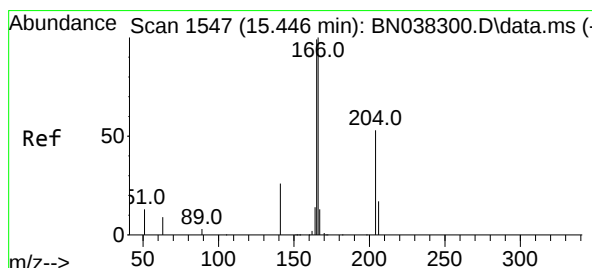
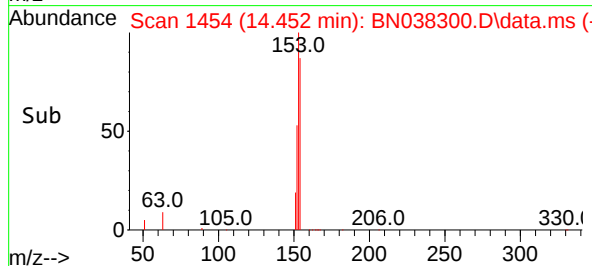
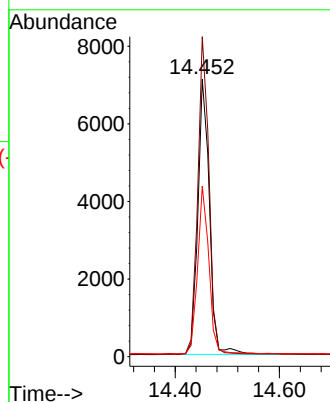
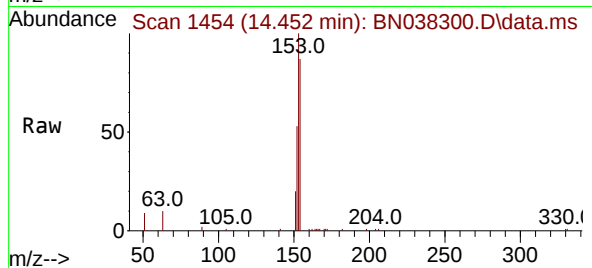




#17  
Acenaphthene  
Concen: 0.392 ng  
RT: 14.452 min Scan# 1454  
Delta R.T. -0.011 min  
Lab File: BN038300.D  
Acq: 10 Dec 2025 11:05

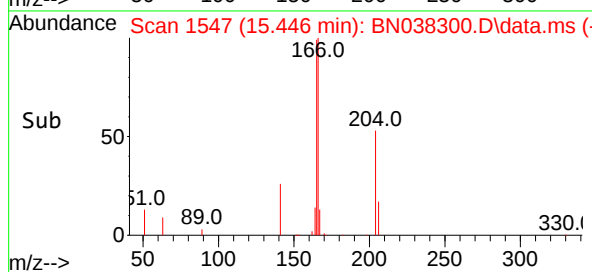
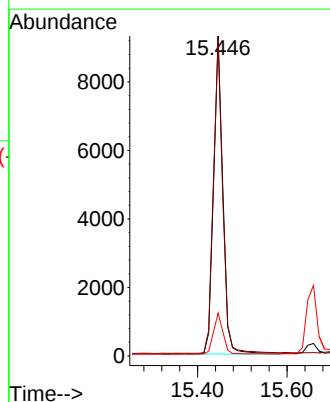
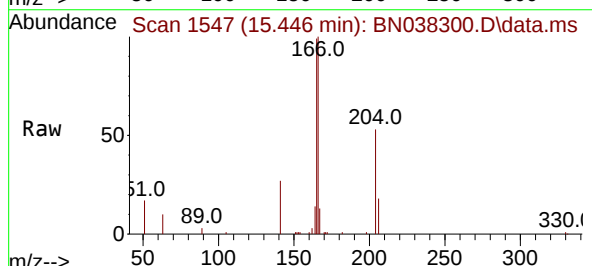
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICCC0.4

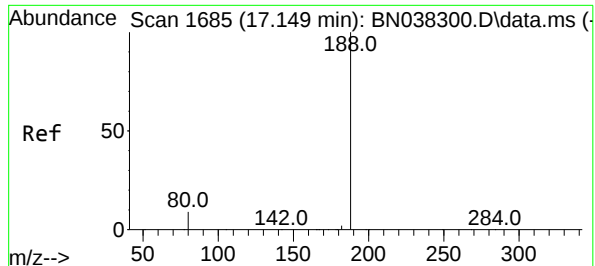
| Tgt Ion | Resp  | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 112.3 | 89.8  | 134.8 |
| 152     | 59.4  | 47.5  | 71.3  |



#18  
Fluorene  
Concen: 0.388 ng  
RT: 15.446 min Scan# 1547  
Delta R.T. -0.000 min  
Lab File: BN038300.D  
Acq: 10 Dec 2025 11:05

| Tgt Ion | Resp  | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 100.3 | 80.2  | 120.4 |
| 167     | 13.3  | 10.6  | 16.0  |





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.149 min Scan# 1685

Delta R.T. 0.000 min

Lab File: BN038300.D

Acq: 10 Dec 2025 11:05

Instrument :

BNA\_N

ClientSampleId :

SSTDICCC0.4

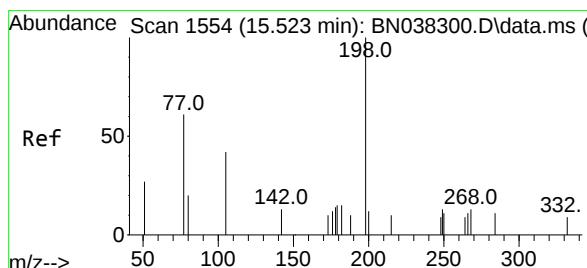
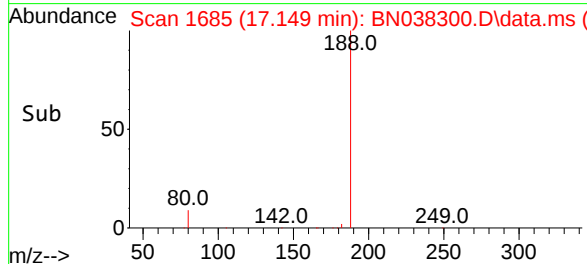
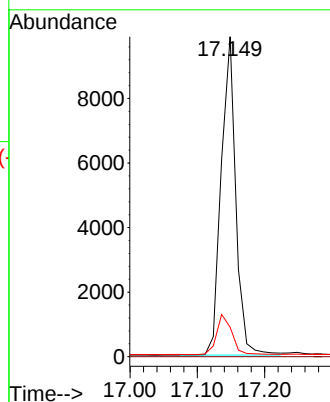
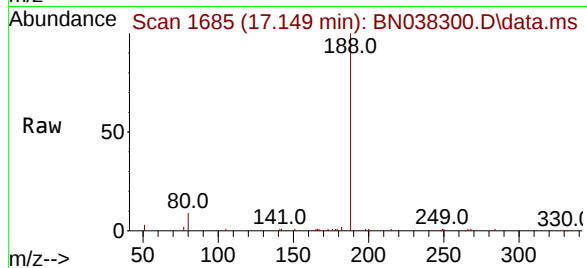
Tgt Ion:188 Resp: 14825

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 9.2 7.4 11.0



#20

4,6-Dinitro-2-methylphenol

Concen: 0.344 ng

RT: 15.523 min Scan# 1554

Delta R.T. 0.001 min

Lab File: BN038300.D

Acq: 10 Dec 2025 11:05

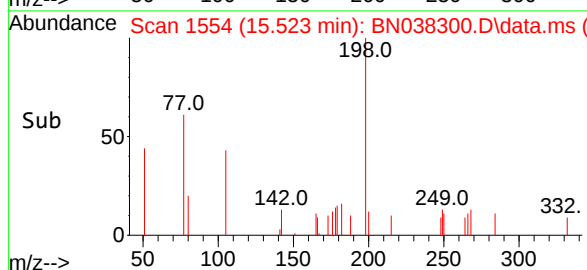
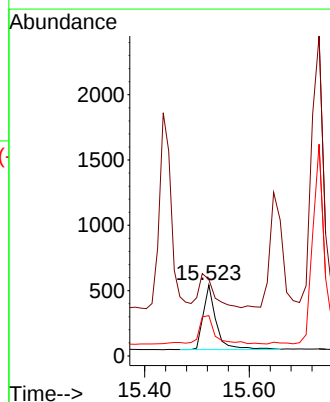
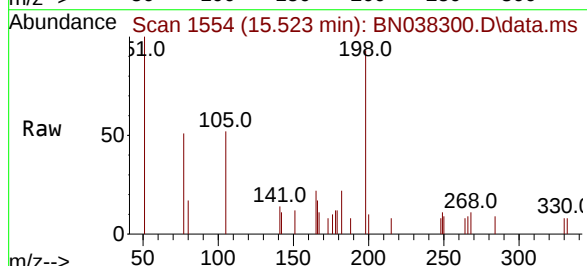
Tgt Ion:198 Resp: 840

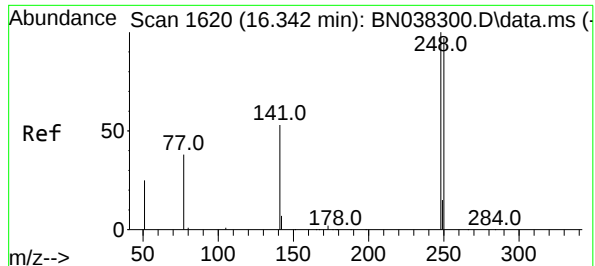
Ion Ratio Lower Upper

198 100

51 107.9 86.3 129.5

105 56.6 45.3 67.9





#21

4-Bromophenyl-phenylether

Concen: 0.387 ng

RT: 16.342 min Scan# 1620

Delta R.T. -0.000 min

Lab File: BN038300.D

Acq: 10 Dec 2025 11:05

Instrument :

BNA\_N

ClientSampleId :

SSTDICCC0.4

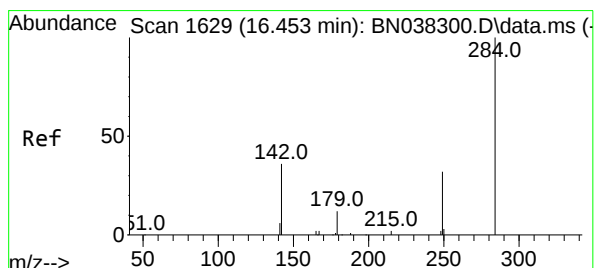
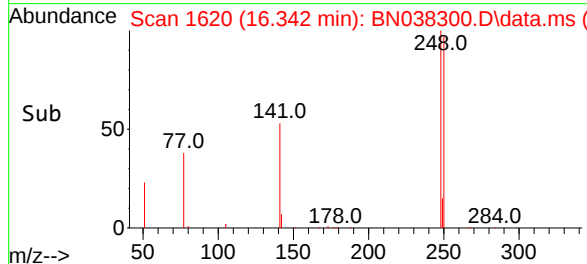
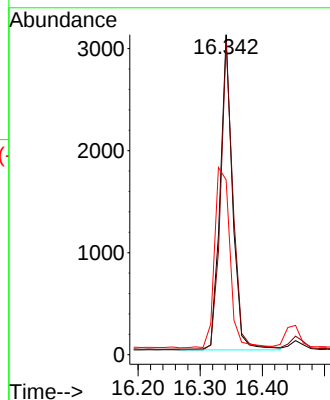
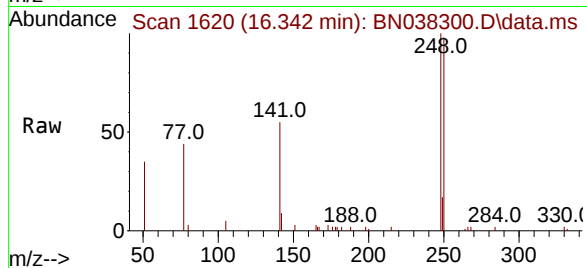
Tgt Ion:248 Resp: 4253

Ion Ratio Lower Upper

248 100

250 97.7 78.2 117.2

141 54.6 43.7 65.5



#22

Hexachlorobenzene

Concen: 0.393 ng

RT: 16.453 min Scan# 1629

Delta R.T. -0.012 min

Lab File: BN038300.D

Acq: 10 Dec 2025 11:05

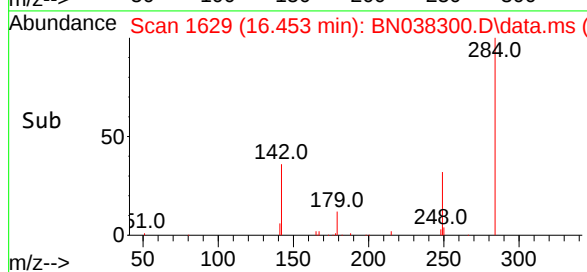
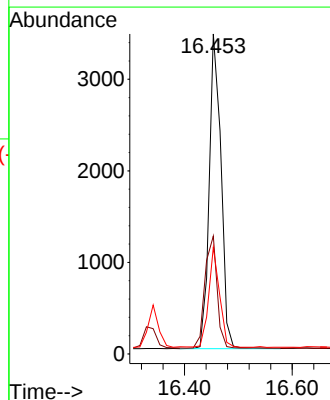
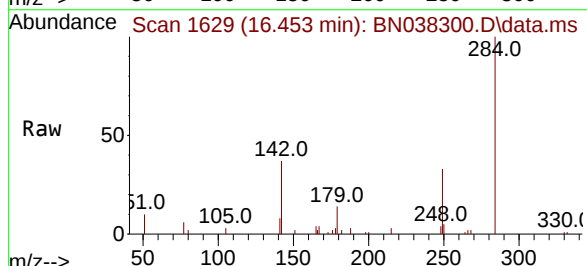
Tgt Ion:284 Resp: 5190

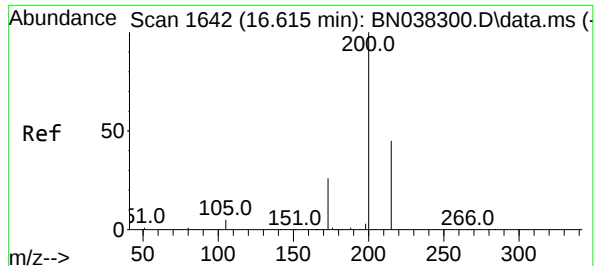
Ion Ratio Lower Upper

284 100

142 36.9 29.5 44.3

249 29.6 23.7 35.5

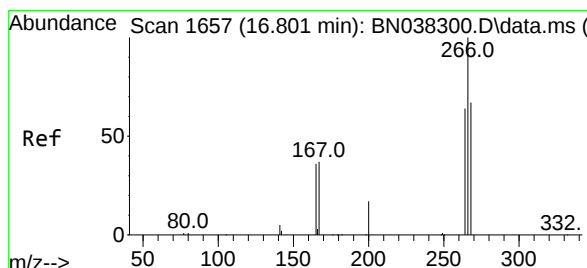
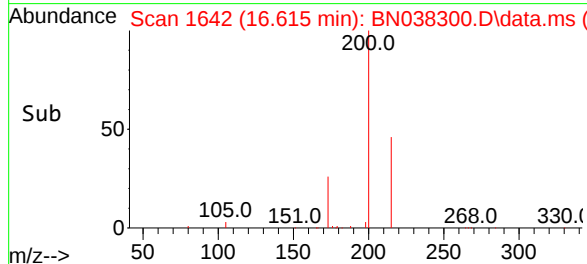
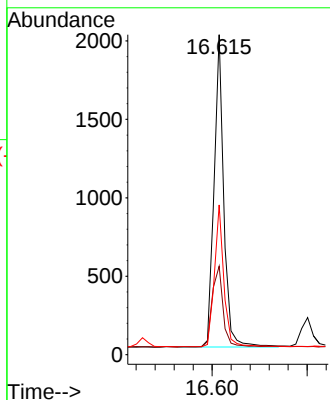
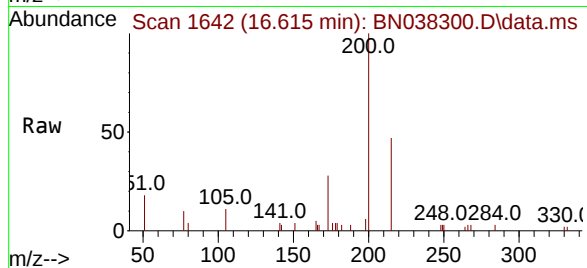




#23  
Atrazine  
Concen: 0.376 ng  
RT: 16.615 min Scan# 1642  
Delta R.T. 0.000 min  
Lab File: BN038300.D  
Acq: 10 Dec 2025 11:05

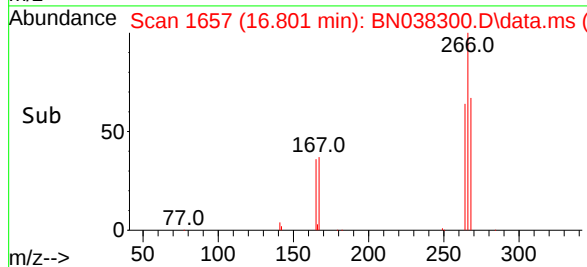
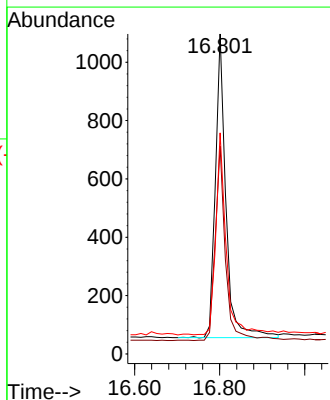
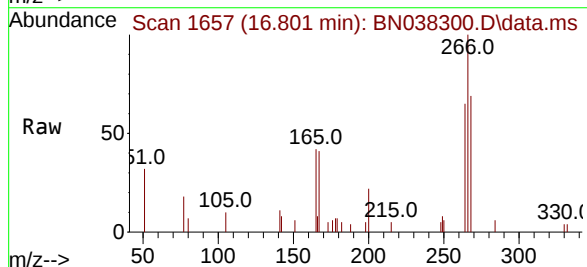
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICCC0.4

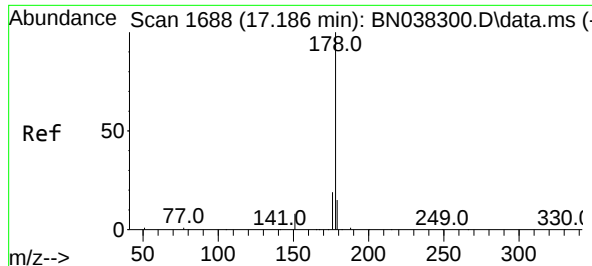
| Tgt Ion | 200   | Resp: | 2824  |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 200     | 100   |       |       |
| 173     | 27.6  | 22.1  | 33.1  |
| 215     | 46.8  | 37.4  | 56.2  |



#24  
Pentachlorophenol  
Concen: 0.347 ng  
RT: 16.801 min Scan# 1657  
Delta R.T. 0.000 min  
Lab File: BN038300.D  
Acq: 10 Dec 2025 11:05

| Tgt Ion | 266   | Resp: | 1789  |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 266     | 100   |       |       |
| 264     | 62.7  | 50.2  | 75.2  |
| 268     | 65.7  | 52.6  | 78.8  |

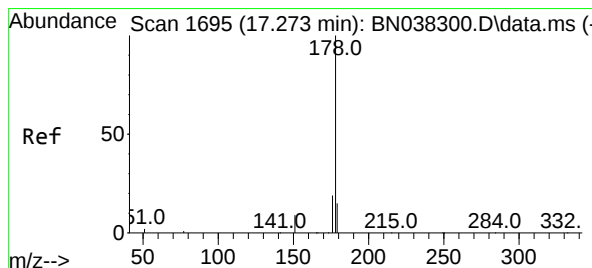
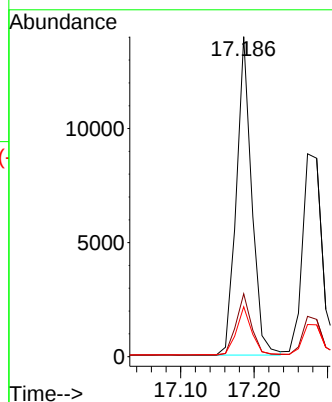
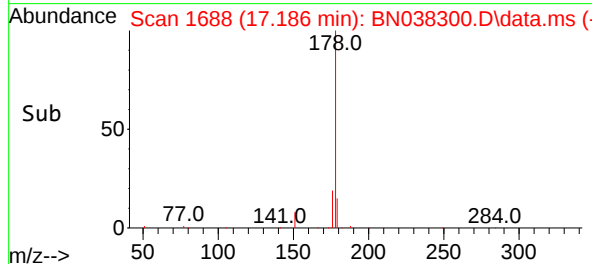
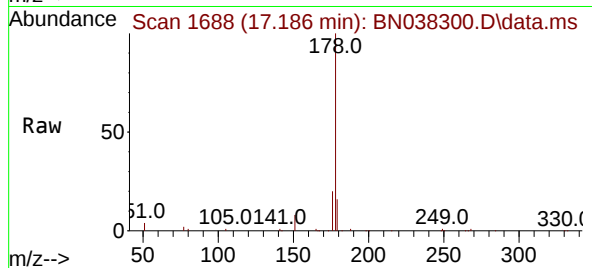




#25  
Phenanthrene  
Concen: 0.392 ng  
RT: 17.186 min Scan# 1688  
Delta R.T. 0.000 min  
Lab File: BN038300.D  
Acq: 10 Dec 2025 11:05

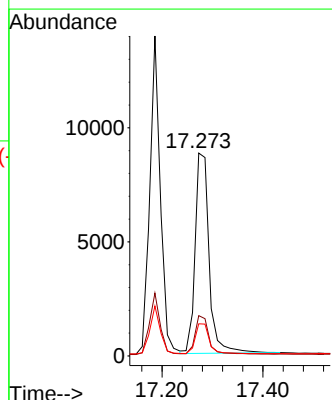
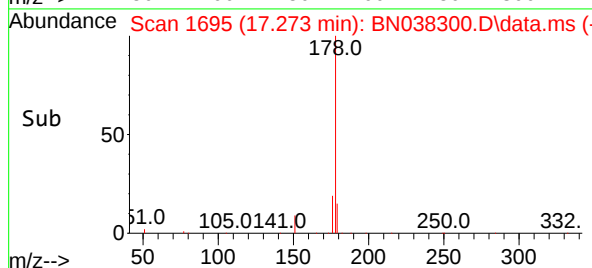
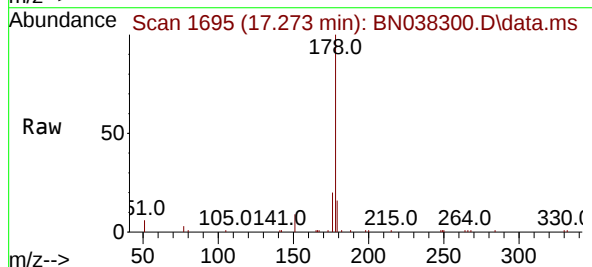
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICCC0.4

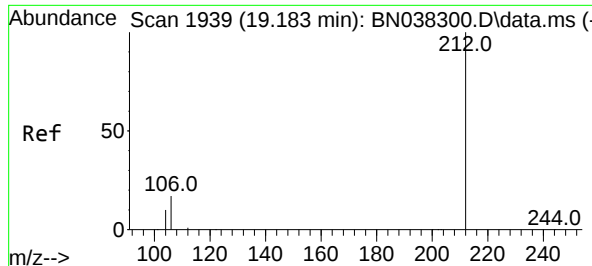
Tgt Ion:178 Resp: 20202  
Ion Ratio Lower Upper  
178 100  
176 19.4 15.5 23.3  
179 15.2 12.2 18.2



#26  
Anthracene  
Concen: 0.382 ng  
RT: 17.273 min Scan# 1695  
Delta R.T. -0.012 min  
Lab File: BN038300.D  
Acq: 10 Dec 2025 11:05

Tgt Ion:178 Resp: 16986  
Ion Ratio Lower Upper  
178 100  
176 18.8 15.1 22.7  
179 15.0 12.0 18.0





#27

Fluoranthene-d10

Concen: 0.398 ng

RT: 19.183 min Scan# 1939

Delta R.T. -0.005 min

Lab File: BN038300.D

Acq: 10 Dec 2025 11:05

Instrument :

BNA\_N

ClientSampleId :

SSTDICCC0.4

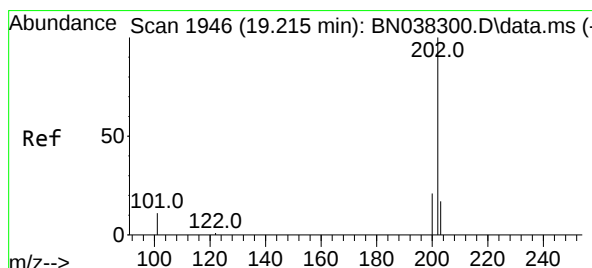
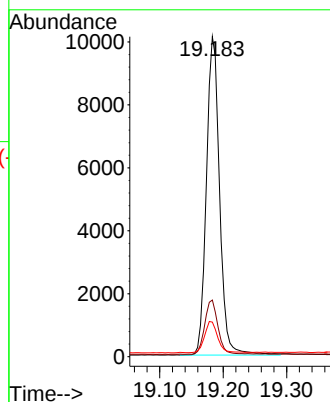
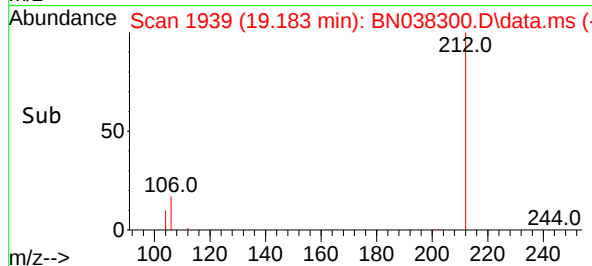
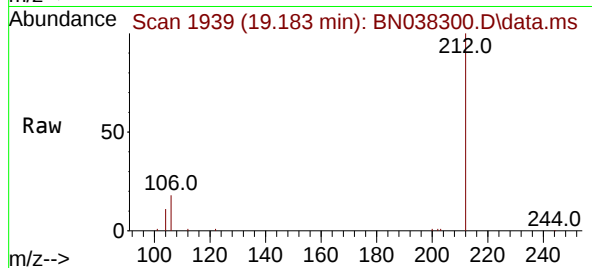
Tgt Ion:212 Resp: 14593

Ion Ratio Lower Upper

212 100

106 17.1 13.7 20.5

104 9.8 7.8 11.8



#28

Fluoranthene

Concen: 0.394 ng

RT: 19.215 min Scan# 1946

Delta R.T. -0.005 min

Lab File: BN038300.D

Acq: 10 Dec 2025 11:05

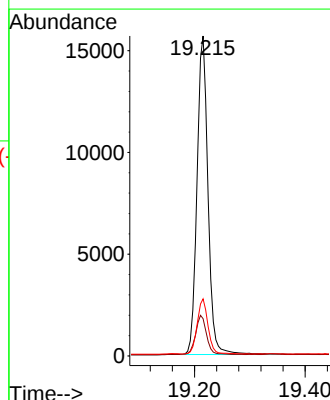
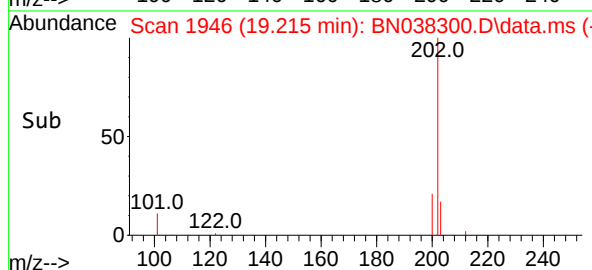
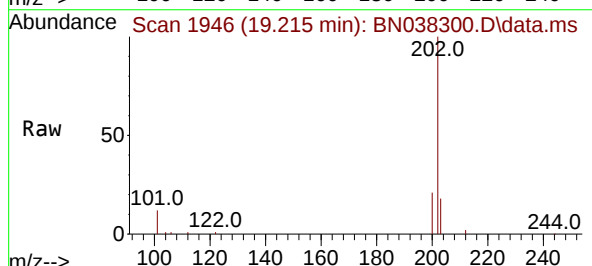
Tgt Ion:202 Resp: 21635

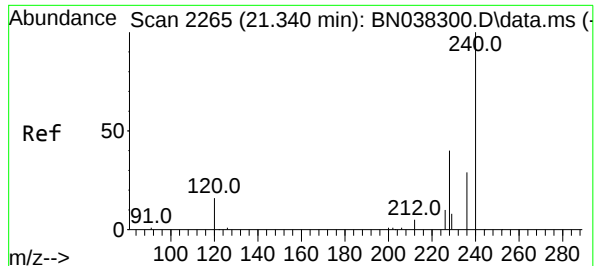
Ion Ratio Lower Upper

202 100

101 12.0 9.6 14.4

203 16.9 13.5 20.3





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.340 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN038300.D

Acq: 10 Dec 2025 11:05

Instrument :

BNA\_N

ClientSampleId :

SSTDICCC0.4

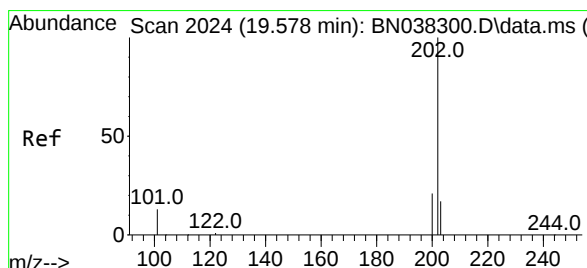
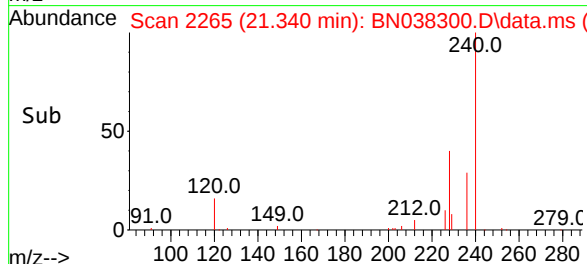
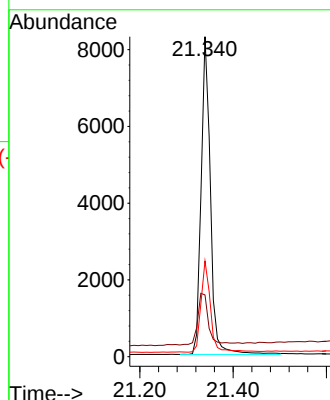
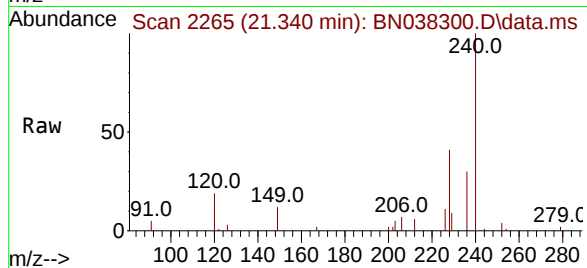
Tgt Ion:240 Resp: 11516

Ion Ratio Lower Upper

240 100

120 19.3 15.4 23.2

236 29.9 23.9 35.9



#30

Pyrene

Concen: 0.390 ng

RT: 19.578 min Scan# 2024

Delta R.T. -0.005 min

Lab File: BN038300.D

Acq: 10 Dec 2025 11:05

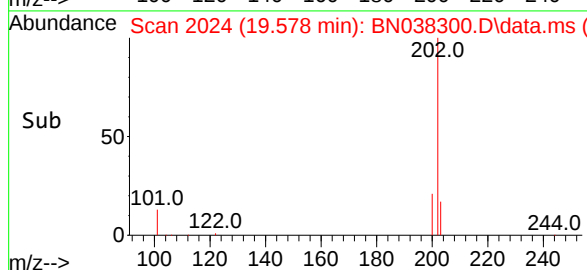
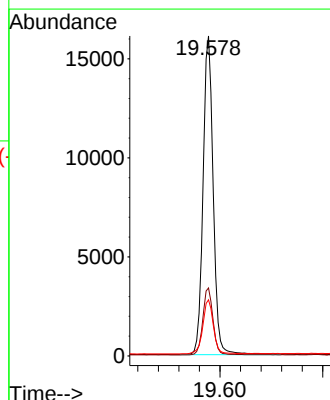
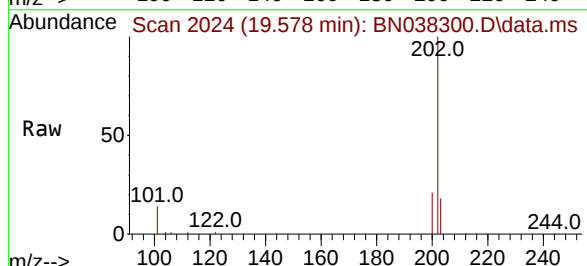
Tgt Ion:202 Resp: 22115

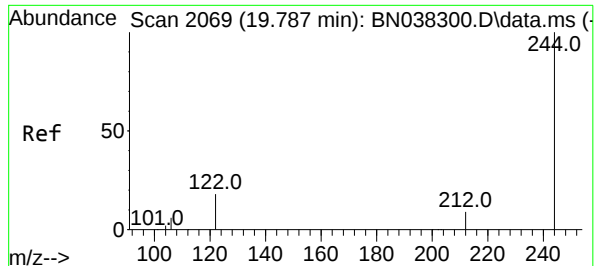
Ion Ratio Lower Upper

202 100

200 21.1 16.9 25.3

203 17.7 14.2 21.2

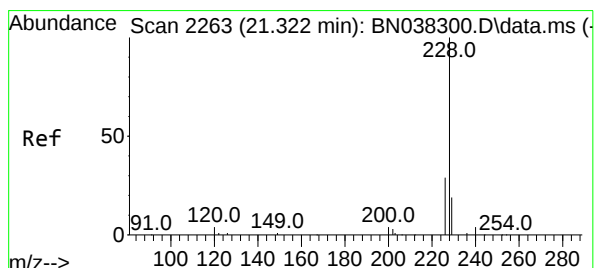
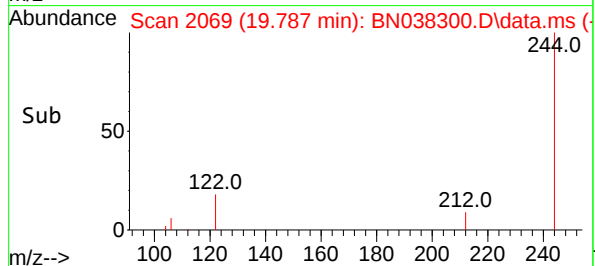
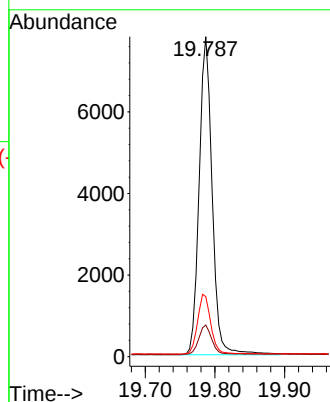
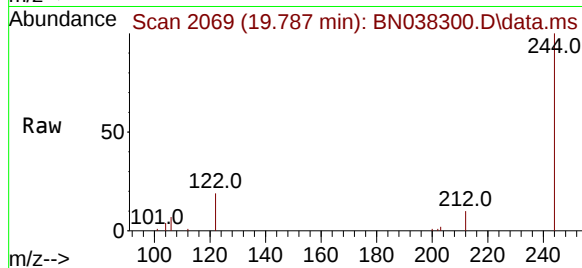




#31  
Terphenyl-d14  
Concen: 0.395 ng  
RT: 19.787 min Scan# 2069  
Delta R.T. -0.005 min  
Lab File: BN038300.D  
Acq: 10 Dec 2025 11:05

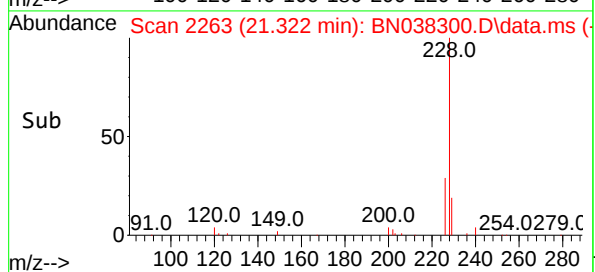
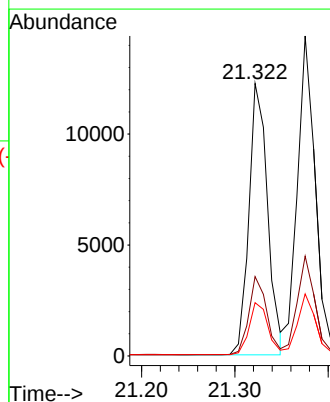
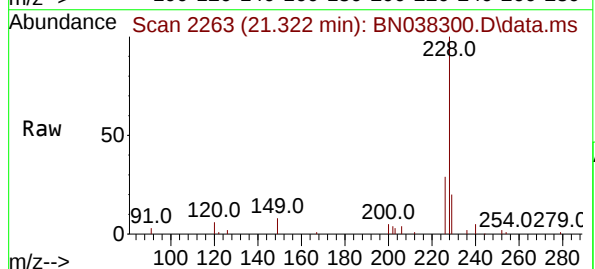
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICCC0.4

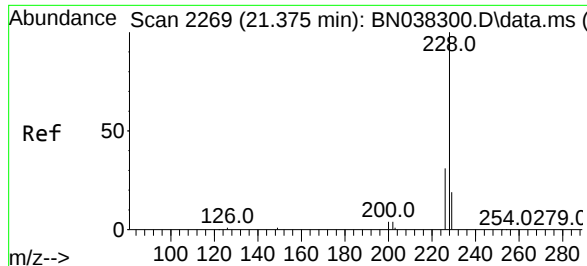
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 9.9   | 7.9   | 11.9  |
| 122     | 18.8  | 15.0  | 22.6  |



#32  
Benzo(a)anthracene  
Concen: 0.383 ng  
RT: 21.322 min Scan# 2263  
Delta R.T. -0.009 min  
Lab File: BN038300.D  
Acq: 10 Dec 2025 11:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 29.1  | 23.3  | 34.9  |
| 229     | 19.6  | 15.7  | 23.5  |





#33

Chrysene

Concen: 0.405 ng

RT: 21.375 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN038300.D

Acq: 10 Dec 2025 11:05

Instrument :

BNA\_N

ClientSampleId :

SSTDICCC0.4

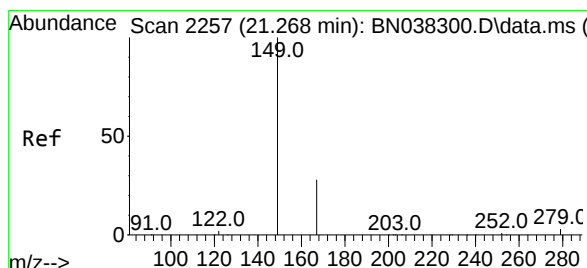
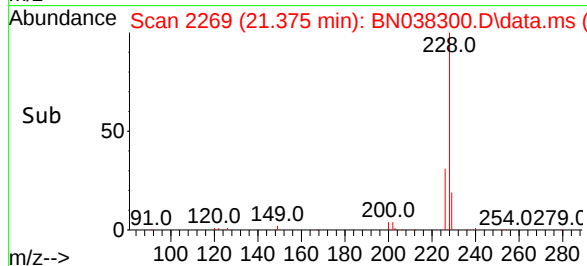
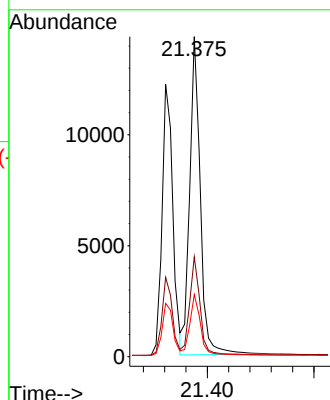
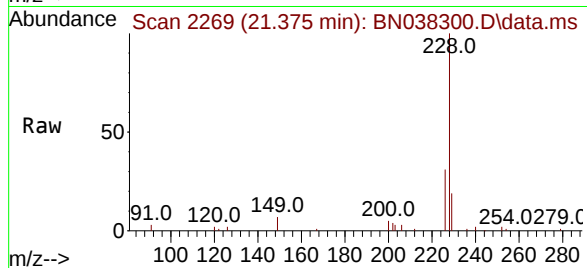
Tgt Ion:228 Resp: 19820

Ion Ratio Lower Upper

228 100

226 31.2 25.0 37.4

229 19.4 15.5 23.3



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.399 ng

RT: 21.268 min Scan# 2257

Delta R.T. 0.000 min

Lab File: BN038300.D

Acq: 10 Dec 2025 11:05

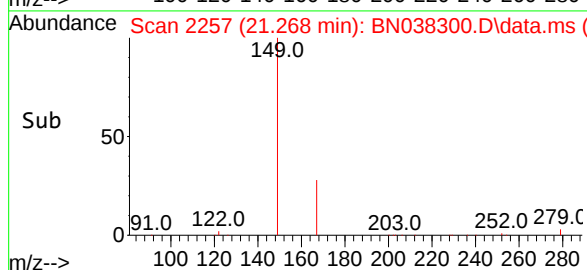
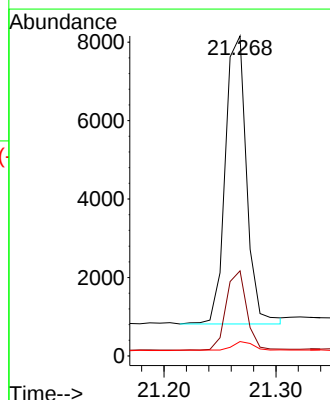
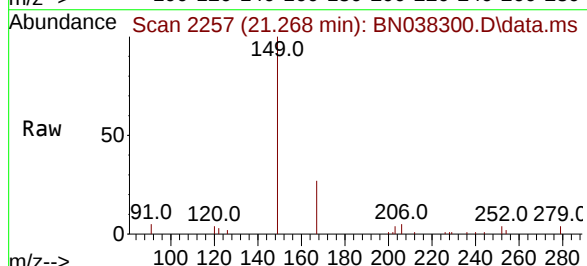
Tgt Ion:149 Resp: 9726

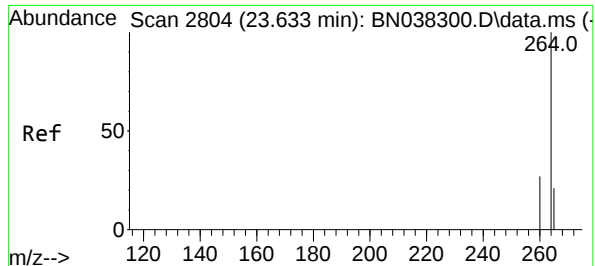
Ion Ratio Lower Upper

149 100

167 26.7 21.4 32.0

279 3.0 2.4 3.6

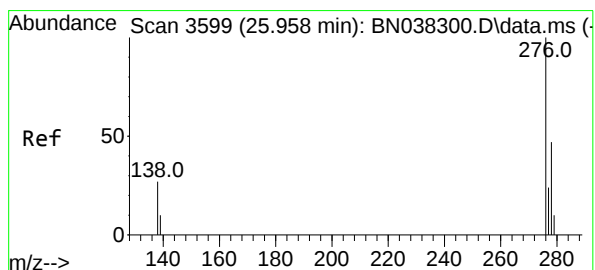
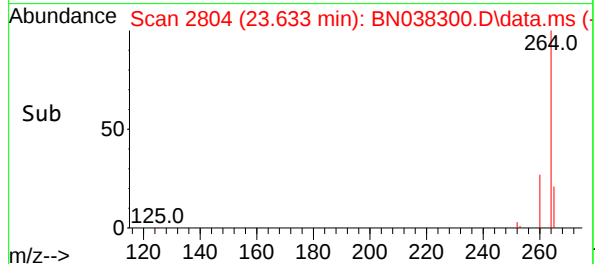
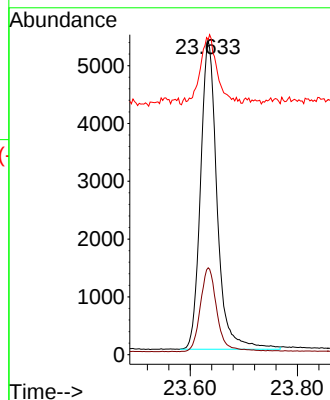
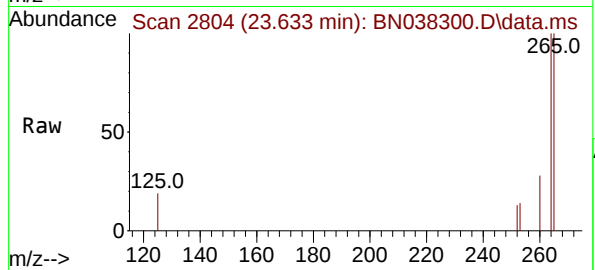




#35  
Perylene-d12  
Concen: 0.400 ng  
RT: 23.633 min Scan# 2804  
Delta R.T. 0.000 min  
Lab File: BN038300.D  
Acq: 10 Dec 2025 11:05

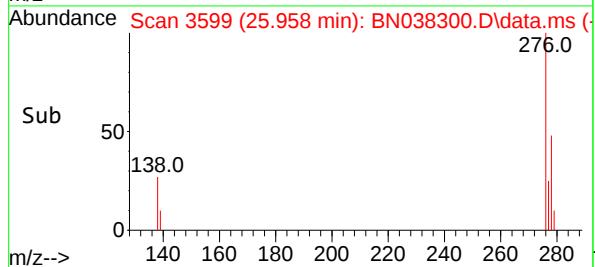
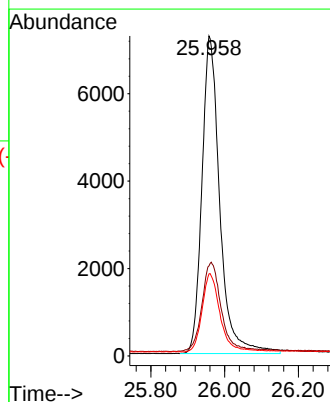
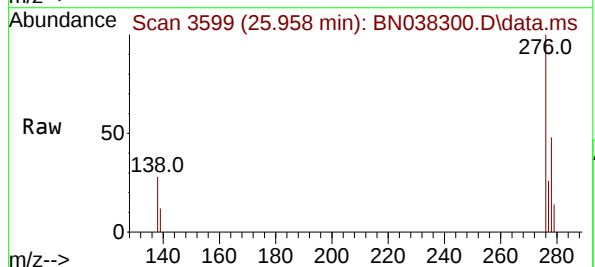
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICCC0.4

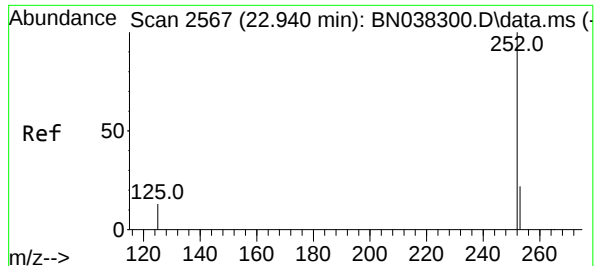
Tgt Ion:264 Resp: 11519  
Ion Ratio Lower Upper  
264 100  
260 27.7 22.2 33.2  
265 100.2 80.2 120.2



#36  
Indeno(1,2,3-cd)pyrene  
Concen: 0.400 ng  
RT: 25.958 min Scan# 3599  
Delta R.T. -0.006 min  
Lab File: BN038300.D  
Acq: 10 Dec 2025 11:05

Tgt Ion:276 Resp: 24439  
Ion Ratio Lower Upper  
276 100  
138 29.5 23.6 35.4  
277 24.6 19.7 29.5





#37

Benzo(b)fluoranthene

Concen: 0.388 ng

RT: 22.940 min Scan# 2567

Delta R.T. -0.006 min

Lab File: BN038300.D

Acq: 10 Dec 2025 11:05

Instrument :

BNA\_N

ClientSampleId :

SSTDICCC0.4

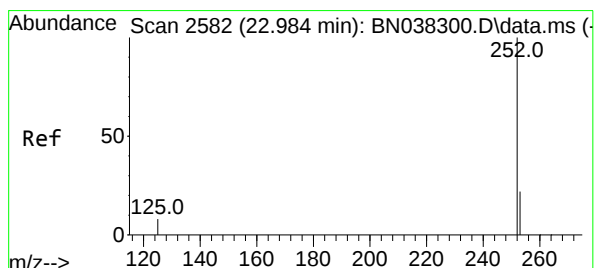
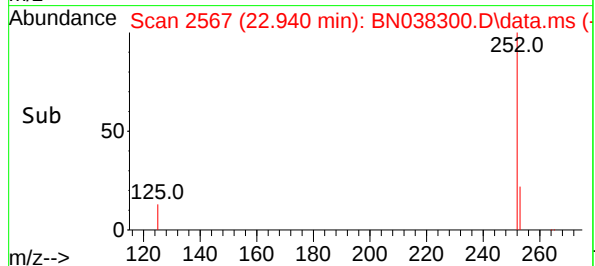
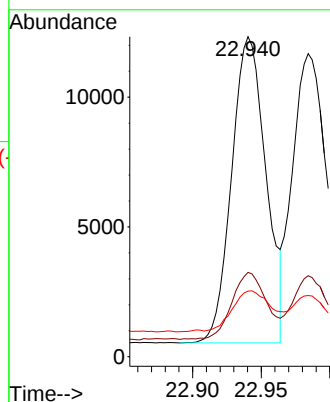
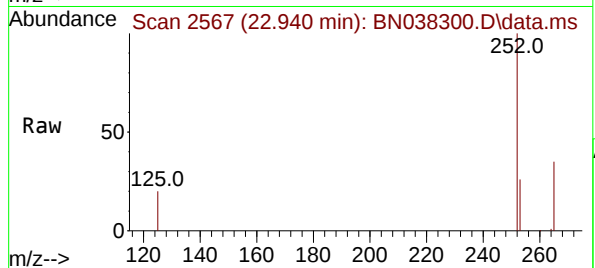
Tgt Ion:252 Resp: 20540

Ion Ratio Lower Upper

252 100

253 26.4 21.1 31.7

125 20.5 16.4 24.6



#38

Benzo(k)fluoranthene

Concen: 0.392 ng

RT: 22.984 min Scan# 2582

Delta R.T. -0.006 min

Lab File: BN038300.D

Acq: 10 Dec 2025 11:05

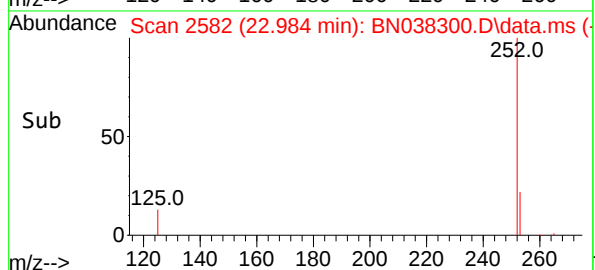
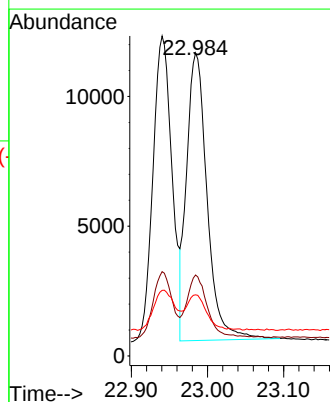
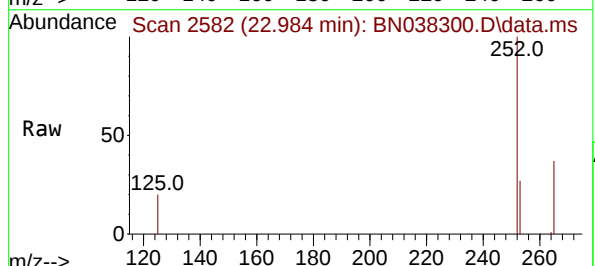
Tgt Ion:252 Resp: 20691

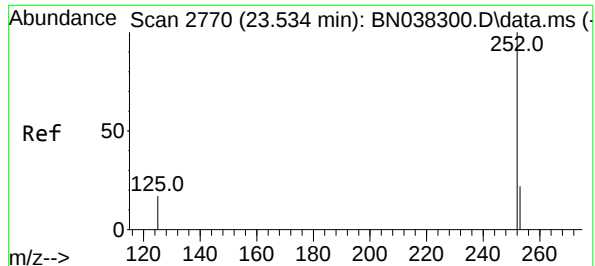
Ion Ratio Lower Upper

252 100

253 26.7 21.4 32.0

125 20.2 16.2 24.2





#39

Benzo(a)pyrene

Concen: 0.391 ng

RT: 23.534 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN038300.D

Acq: 10 Dec 2025 11:05

Instrument :

BNA\_N

ClientSampleId :

SSTDICCC0.4

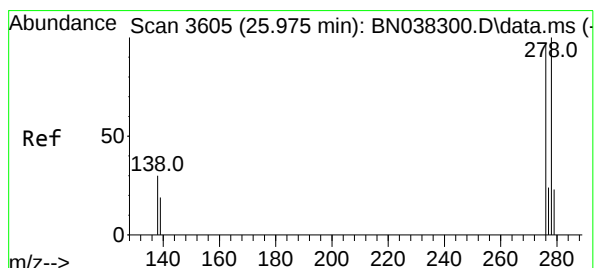
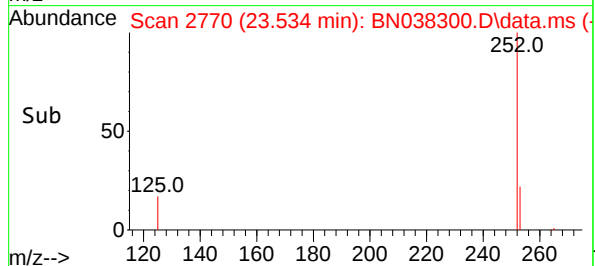
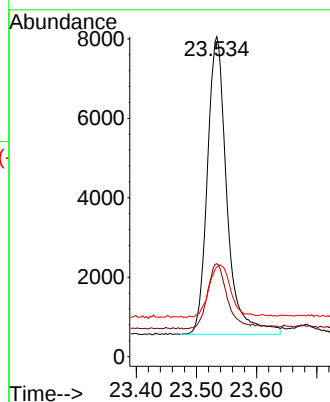
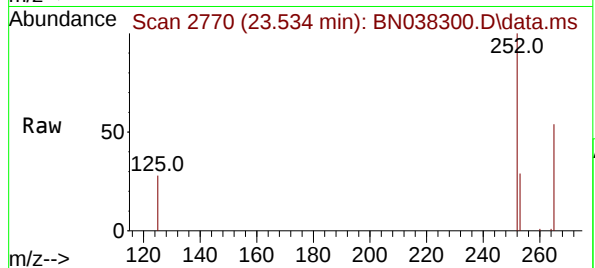
Tgt Ion:252 Resp: 16923

Ion Ratio Lower Upper

252 100

253 29.1 23.3 34.9

125 28.0 22.4 33.6



#40

Dibenzo(a,h)anthracene

Concen: 0.396 ng

RT: 25.975 min Scan# 3605

Delta R.T. -0.006 min

Lab File: BN038300.D

Acq: 10 Dec 2025 11:05

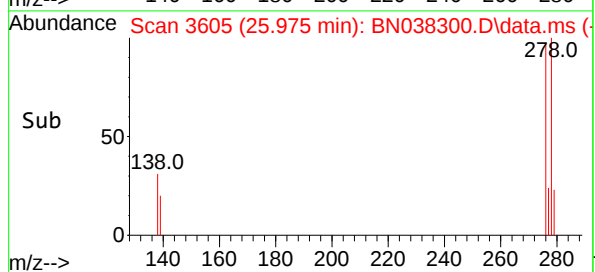
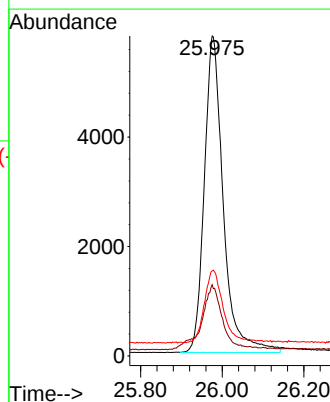
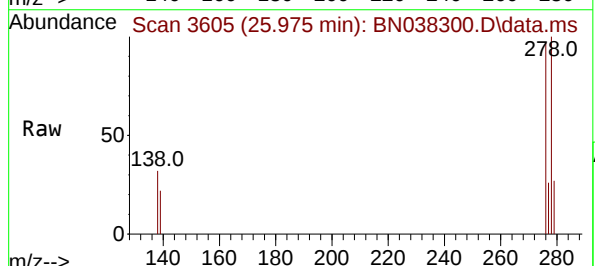
Tgt Ion:278 Resp: 18646

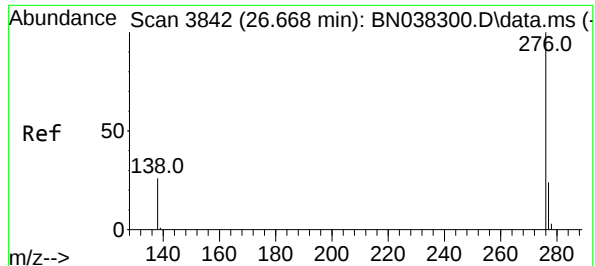
Ion Ratio Lower Upper

278 100

139 22.3 17.8 26.8

279 26.6 21.3 31.9





#41

Benzo(g,h,i)perylene

Concen: 0.396 ng

RT: 26.668 min Scan# 3842

Delta R.T. -0.009 min

Lab File: BN038300.D

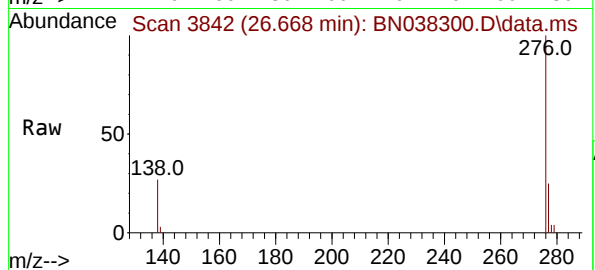
Acq: 10 Dec 2025 11:05

Instrument :

BNA\_N

ClientSampleId :

SSTDICCC0.4



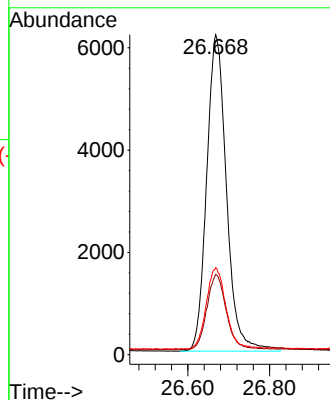
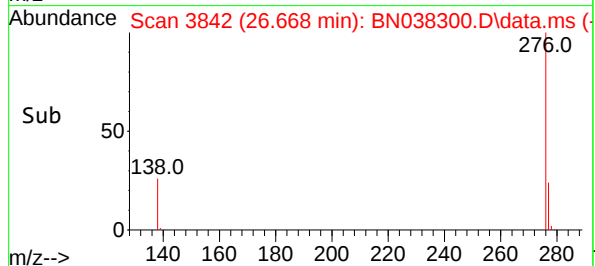
Tgt Ion:276 Resp: 20868

Ion Ratio Lower Upper

276 100

277 25.0 20.0 30.0

138 27.2 21.8 32.6



Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN121025\  
 Data File : BN038301.D  
 Acq On : 10 Dec 2025 11:41  
 Operator : RC/JU  
 Sample : SSTDICC0.8  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTDICC0.8

Quant Time: Dec 10 13:59:57 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN121025.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 10 13:56:50 2025  
 Response via : Initial Calibration

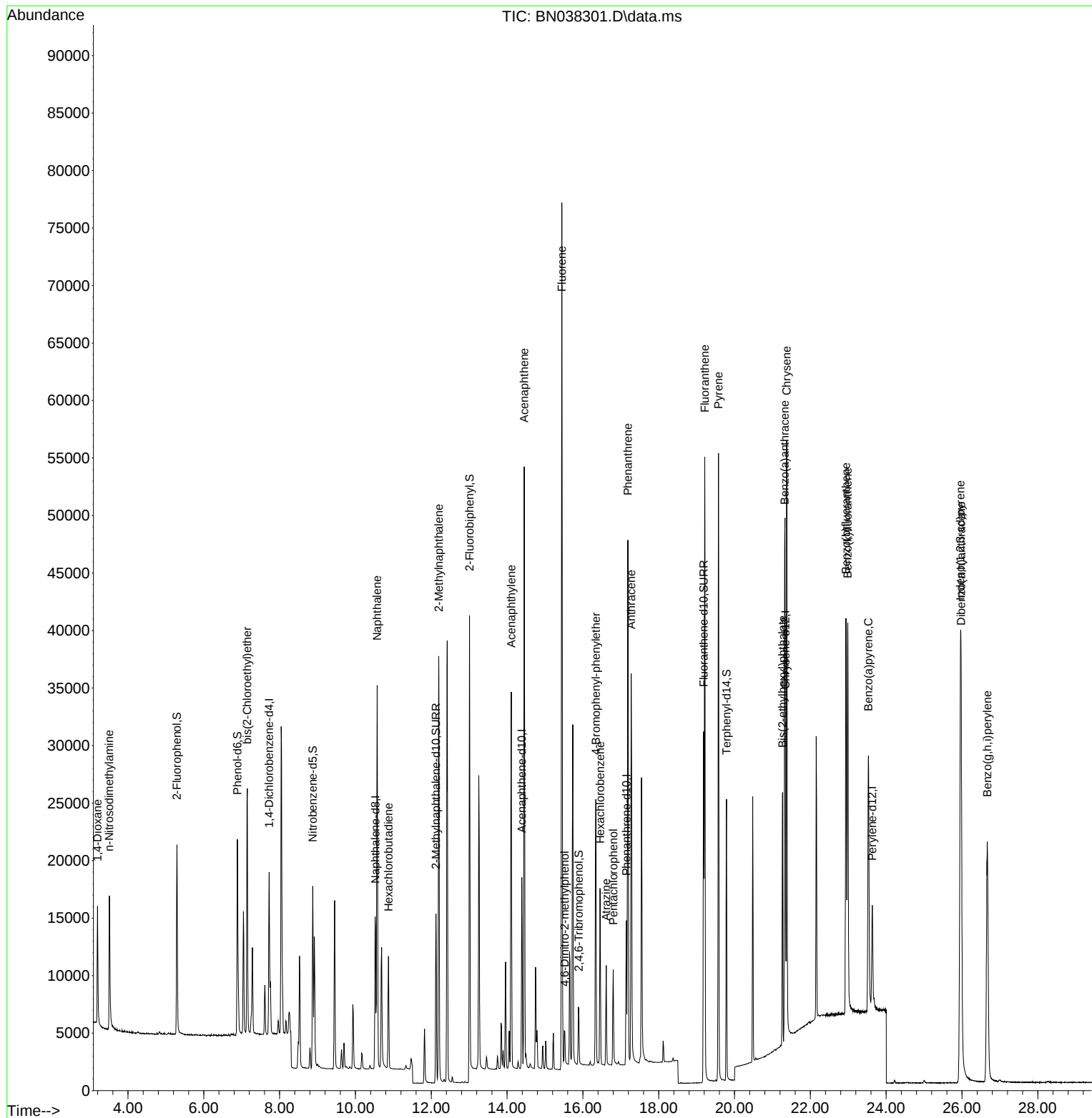
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.724  | 152  | 6971     | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.530 | 136  | 18433    | 0.400 | ng    | 0.00     |
| 13) Acenaphthene-d10          | 14.387 | 164  | 9355     | 0.400 | ng    | -0.01    |
| 19) Phenanthrene-d10          | 17.148 | 188  | 16598    | 0.400 | ng    | 0.00     |
| 29) Chrysene-d12              | 21.340 | 240  | 12910    | 0.400 | ng    | 0.00     |
| 35) Perylene-d12              | 23.633 | 264  | 12619    | 0.400 | ng    | 0.00     |
|                               |        |      |          |       |       |          |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.290  | 112  | 13677    | 0.788 | ng    | 0.00     |
| 5) Phenol-d6                  | 6.887  | 99   | 16146    | 0.782 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 8.875  | 82   | 12246    | 0.788 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10   | 12.126 | 152  | 20420    | 0.785 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 15.895 | 330  | 3151     | 0.759 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 13.008 | 172  | 34384    | 0.763 | ng    | 0.00     |
| 27) Fluoranthene-d10          | 19.183 | 212  | 32647    | 0.795 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.787 | 244  | 22718    | 0.789 | ng    | 0.00     |
|                               |        |      |          |       |       |          |
| Target Compounds              |        |      |          |       |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.196  | 88   | 6178     | 0.773 | ng    | 98       |
| 3) n-Nitrosodimethylamine     | 3.507  | 42   | 7923     | 0.791 | ng    | 99       |
| 6) bis(2-Chloroethyl)ether    | 7.147  | 93   | 16015    | 0.793 | ng    | 98       |
| 9) Naphthalene                | 10.573 | 128  | 42584    | 0.782 | ng    | 100      |
| 10) Hexachlorobutadiene       | 10.872 | 225  | 7618     | 0.787 | ng    | # 100    |
| 12) 2-Methylnaphthalene       | 12.197 | 142  | 27173    | 0.786 | ng    | 99       |
| 16) Acenaphthylene            | 14.110 | 152  | 35839    | 0.780 | ng    | 100      |
| 17) Acenaphthene              | 14.452 | 154  | 25275    | 0.790 | ng    | 99       |
| 18) Fluorene                  | 15.446 | 166  | 32463    | 0.788 | ng    | 98       |
| 20) 4,6-Dinitro-2-methylph... | 15.522 | 198  | 2122     | 0.777 | ng    | # 65     |
| 21) 4-Bromophenyl-phenylether | 16.342 | 248  | 9669     | 0.785 | ng    | 98       |
| 22) Hexachlorobenzene         | 16.453 | 284  | 11634    | 0.786 | ng    | 99       |
| 23) Atrazine                  | 16.615 | 200  | 6538     | 0.778 | ng    | 97       |
| 24) Pentachlorophenol         | 16.801 | 266  | 4199     | 0.727 | ng    | 99       |
| 25) Phenanthrene              | 17.186 | 178  | 44807    | 0.776 | ng    | 100      |
| 26) Anthracene                | 17.273 | 178  | 39515    | 0.793 | ng    | 99       |
| 28) Fluoranthene              | 19.215 | 202  | 48652    | 0.792 | ng    | 99       |
| 30) Pyrene                    | 19.578 | 202  | 49288    | 0.776 | ng    | 100      |
| 32) Benzo(a)anthracene        | 21.322 | 228  | 38762    | 0.777 | ng    | 99       |
| 33) Chrysene                  | 21.375 | 228  | 44128    | 0.804 | ng    | 100      |
| 34) Bis(2-ethylhexyl)phtha... | 21.268 | 149  | 20109    | 0.735 | ng    | 100      |
| 36) Indeno(1,2,3-cd)pyrene    | 25.960 | 276  | 53409    | 0.798 | ng    | 100      |
| 37) Benzo(b)fluoranthene      | 22.940 | 252  | 44814    | 0.773 | ng    | # 93     |
| 38) Benzo(k)fluoranthene      | 22.987 | 252  | 45726    | 0.791 | ng    | # 93     |
| 39) Benzo(a)pyrene            | 23.531 | 252  | 36830    | 0.776 | ng    | # 88     |
| 40) Dibenzo(a,h)anthracene    | 25.978 | 278  | 40988    | 0.794 | ng    | 97       |
| 41) Benzo(g,h,i)perylene      | 26.668 | 276  | 45587    | 0.790 | ng    | 98       |
| -----                         |        |      |          |       |       |          |

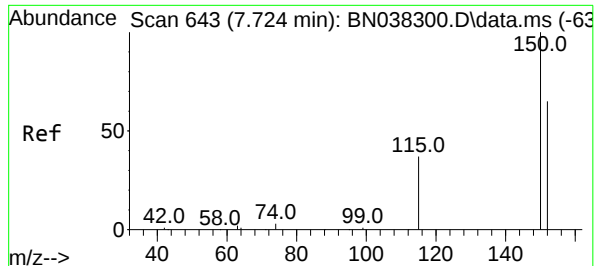
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN121025\  
Data File : BN038301.D  
Acq On : 10 Dec 2025 11:41  
Operator : RC/JU  
Sample : SSTDICC0.8  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC0.8

Quant Time: Dec 10 13:59:57 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN121025.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Dec 10 13:56:50 2025  
Response via : Initial Calibration

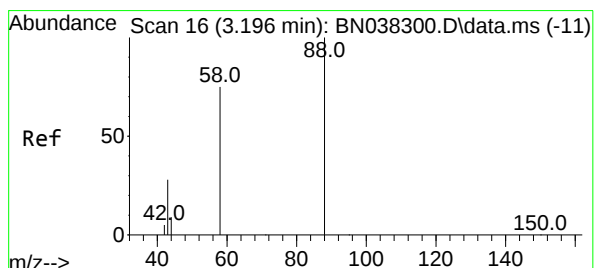
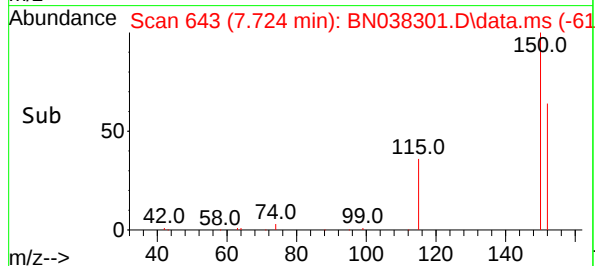
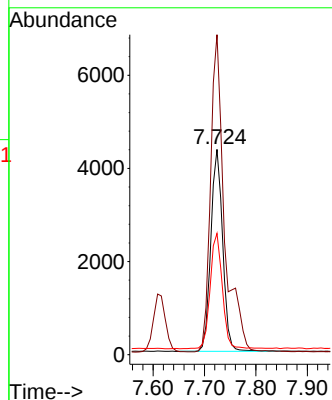
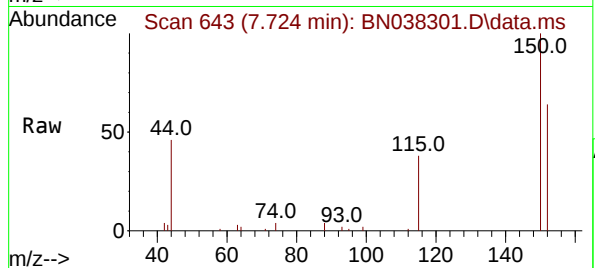




#1  
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.724 min Scan# 64  
Delta R.T. 0.000 min  
Lab File: BN038301.D  
Acq: 10 Dec 2025 11:41

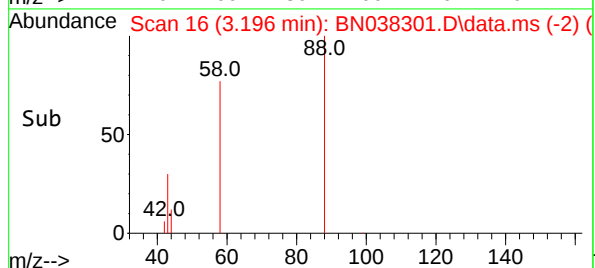
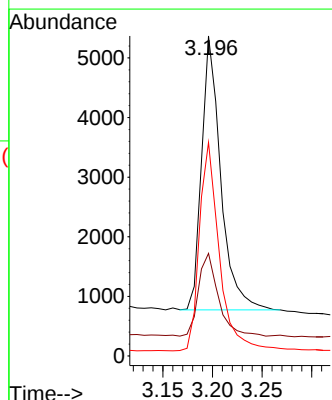
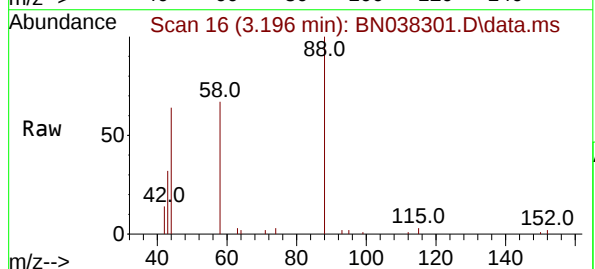
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC0.8

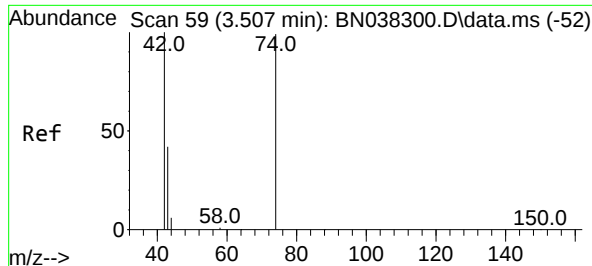
Tgt Ion:152 Resp: 6971  
Ion Ratio Lower Upper  
152 100  
150 155.9 122.4 183.6  
115 59.1 47.3 70.9



#2  
1,4-Dioxane  
Concen: 0.773 ng  
RT: 3.196 min Scan# 16  
Delta R.T. -0.000 min  
Lab File: BN038301.D  
Acq: 10 Dec 2025 11:41

Tgt Ion: 88 Resp: 6178  
Ion Ratio Lower Upper  
88 100  
43 31.3 24.9 37.3  
58 79.4 61.4 92.0

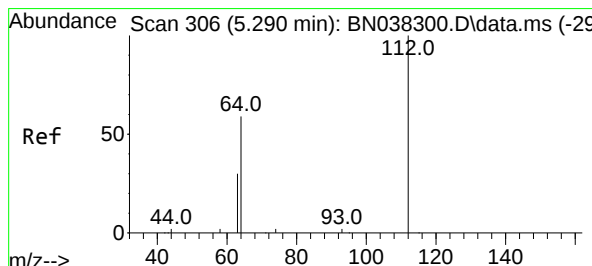
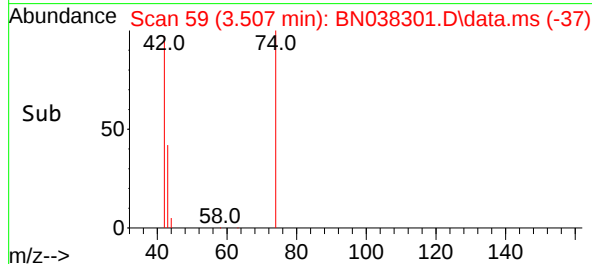
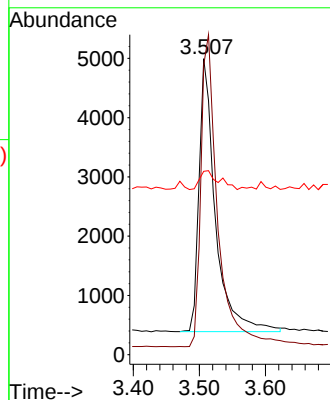
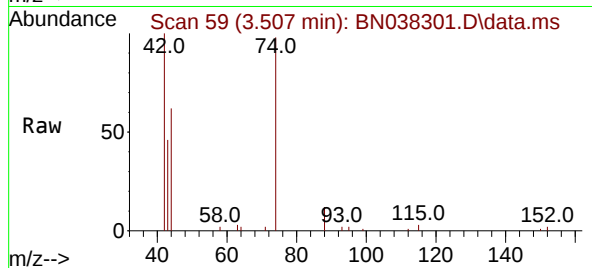




#3  
n-Nitrosodimethylamine  
Concen: 0.791 ng  
RT: 3.507 min Scan# 59  
Delta R.T. 0.007 min  
Lab File: BN038301.D  
Acq: 10 Dec 2025 11:41

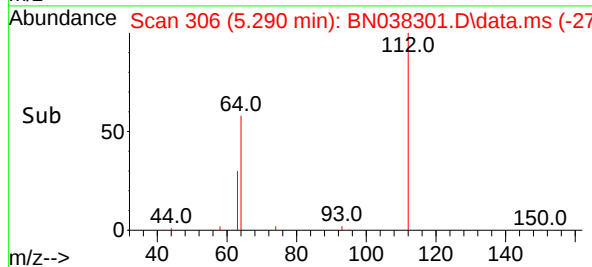
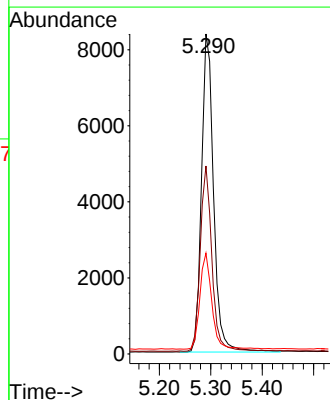
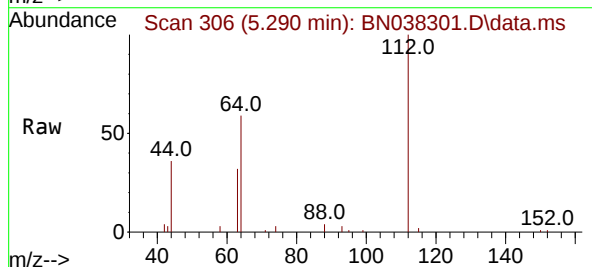
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC0.8

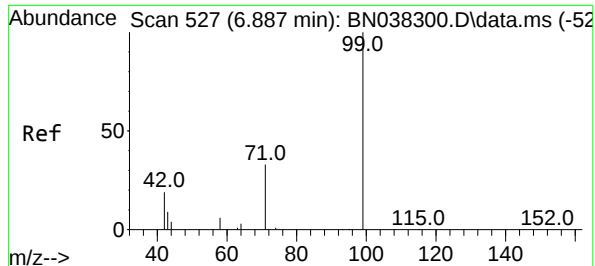
Tgt Ion: 42 Resp: 7923  
Ion Ratio Lower Upper  
42 100  
74 118.6 95.3 142.9  
44 8.2 7.9 11.9



#4  
2-Fluorophenol  
Concen: 0.788 ng  
RT: 5.290 min Scan# 306  
Delta R.T. -0.000 min  
Lab File: BN038301.D  
Acq: 10 Dec 2025 11:41

Tgt Ion: 112 Resp: 13677  
Ion Ratio Lower Upper  
112 100  
64 56.4 44.4 66.6  
63 29.7 23.4 35.0

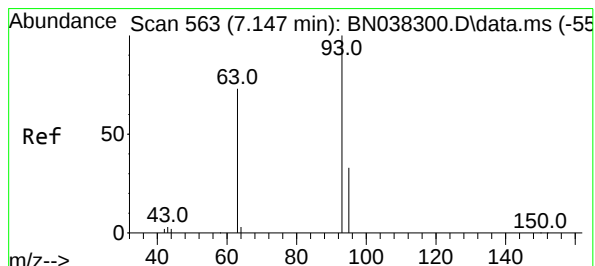
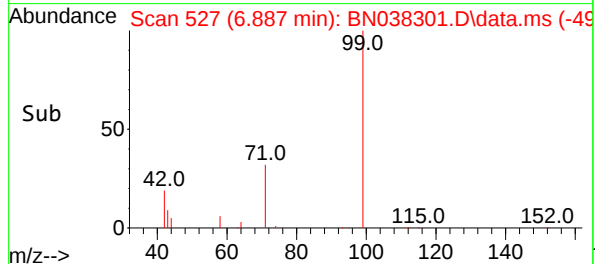
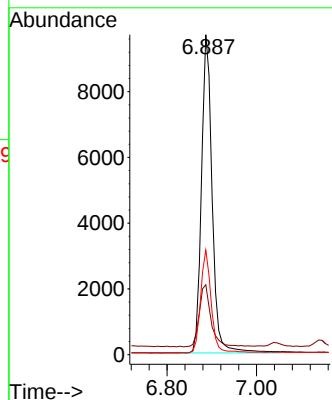
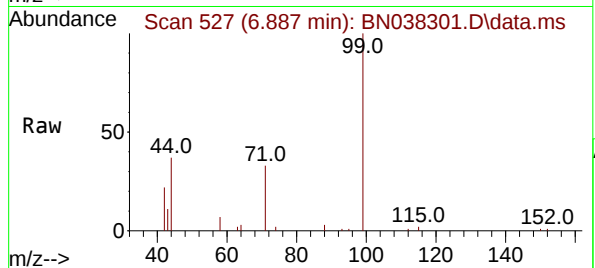




#5  
Phenol-d6  
Concen: 0.782 ng  
RT: 6.887 min Scan# 51  
Delta R.T. -0.000 min  
Lab File: BN038301.D  
Acq: 10 Dec 2025 11:41

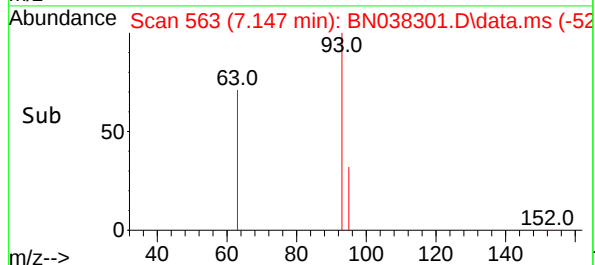
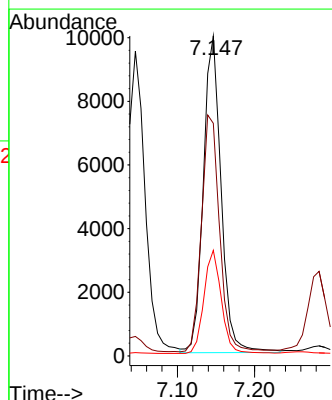
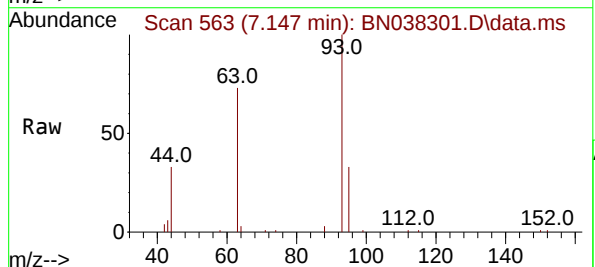
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC0.8

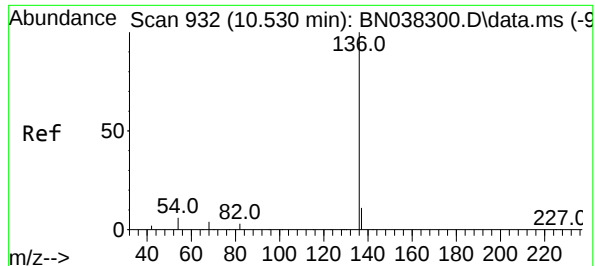
Tgt Ion: 99 Resp: 16146  
Ion Ratio Lower Upper  
99 100  
42 21.4 16.5 24.7  
71 31.9 24.9 37.3



#6  
bis(2-Chloroethyl)ether  
Concen: 0.793 ng  
RT: 7.147 min Scan# 563  
Delta R.T. -0.000 min  
Lab File: BN038301.D  
Acq: 10 Dec 2025 11:41

Tgt Ion: 93 Resp: 16015  
Ion Ratio Lower Upper  
93 100  
63 75.9 59.2 88.8  
95 31.7 25.2 37.8

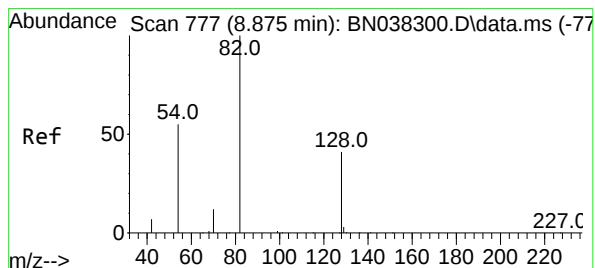
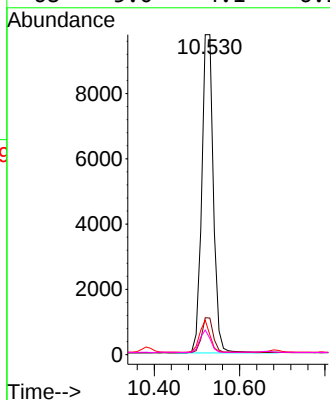
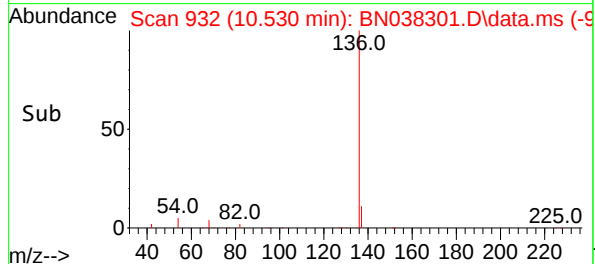
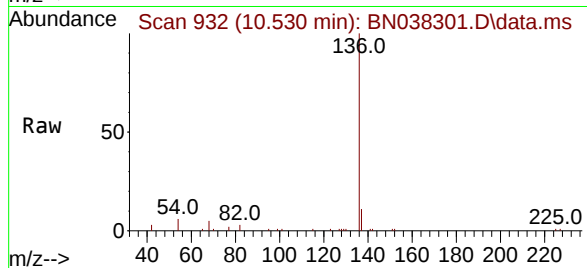




#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.530 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: BN038301.D  
Acq: 10 Dec 2025 11:41

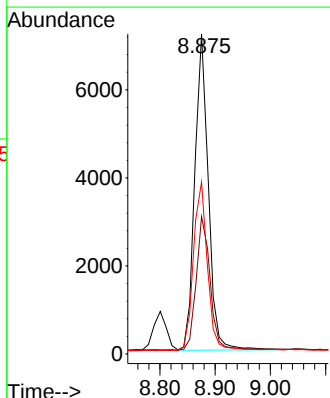
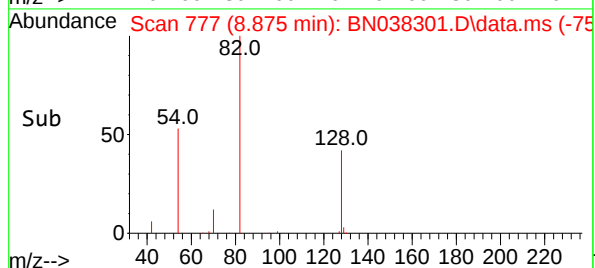
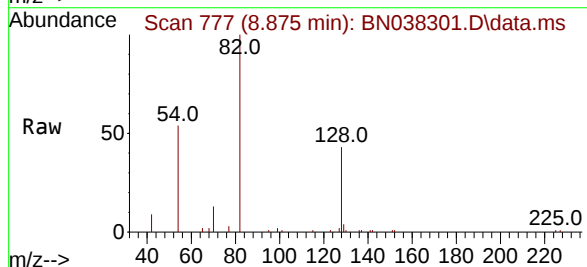
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC0.8

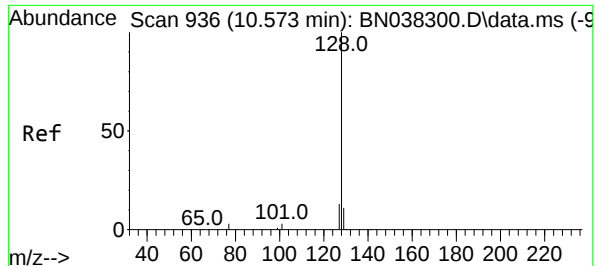
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 136   | Resp: | 18433 |
| Ion      | Ratio | Lower | Upper |
| 136      | 100   |       |       |
| 137      | 11.4  | 9.1   | 13.7  |
| 54       | 6.2   | 5.2   | 7.8   |
| 68       | 5.0   | 4.1   | 6.1   |



#8  
Nitrobenzene-d5  
Concen: 0.788 ng  
RT: 8.875 min Scan# 777  
Delta R.T. -0.000 min  
Lab File: BN038301.D  
Acq: 10 Dec 2025 11:41

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 82    | Resp: | 12246 |
| Ion      | Ratio | Lower | Upper |
| 82       | 100   |       |       |
| 128      | 42.9  | 34.0  | 51.0  |
| 54       | 53.8  | 44.4  | 66.6  |

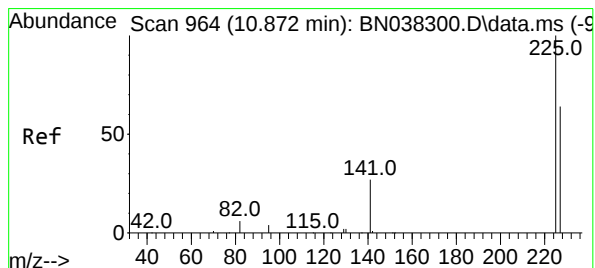
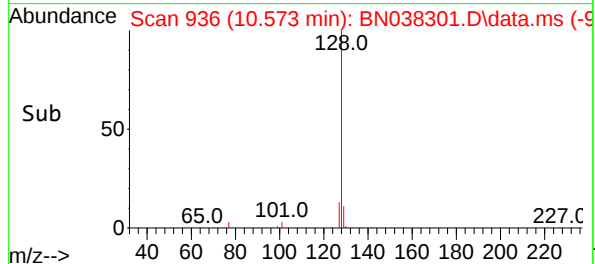
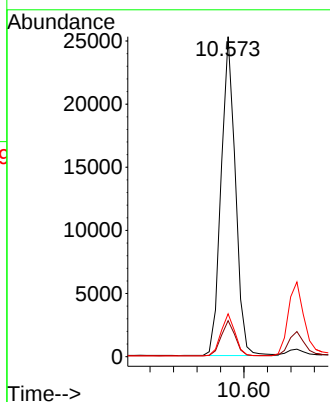
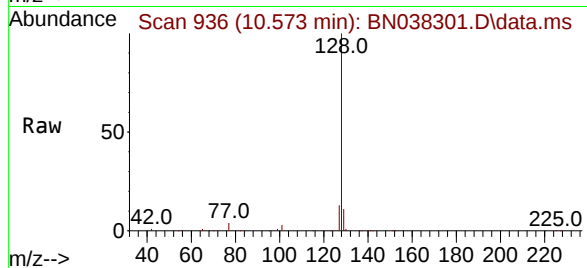




#9  
Naphthalene  
Concen: 0.782 ng  
RT: 10.573 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: BN038301.D  
Acq: 10 Dec 2025 11:41

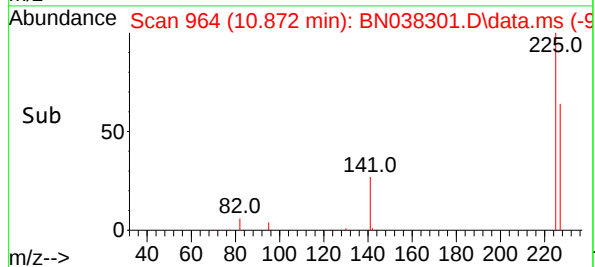
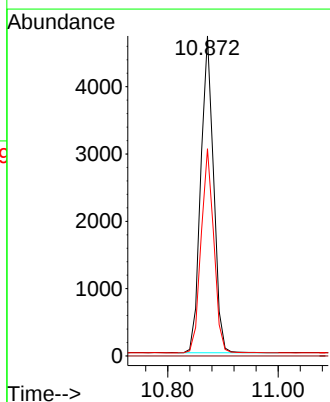
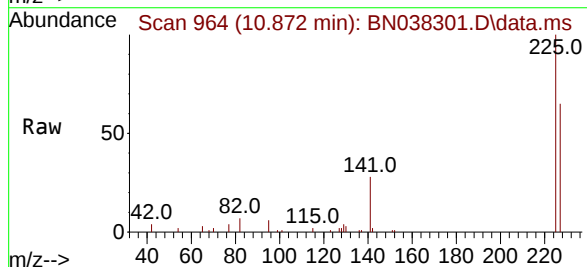
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC0.8

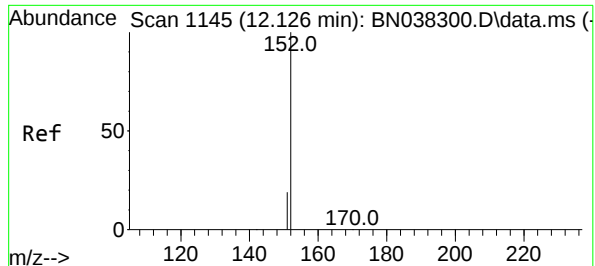
Tgt Ion:128 Resp: 42584  
Ion Ratio Lower Upper  
128 100  
129 11.3 9.1 13.7  
127 13.4 10.9 16.3



#10  
Hexachlorobutadiene  
Concen: 0.787 ng  
RT: 10.872 min Scan# 964  
Delta R.T. 0.000 min  
Lab File: BN038301.D  
Acq: 10 Dec 2025 11:41

Tgt Ion:225 Resp: 7618  
Ion Ratio Lower Upper  
225 100  
223 0.0 0.0 0.0  
227 63.8 51.2 76.8

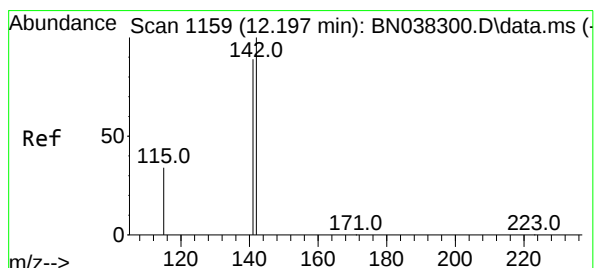
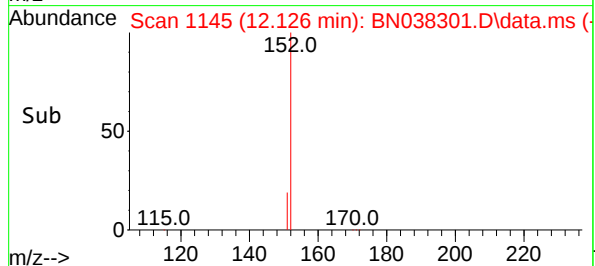
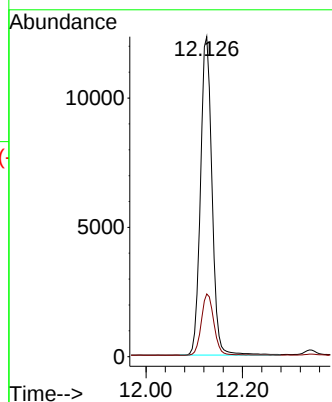
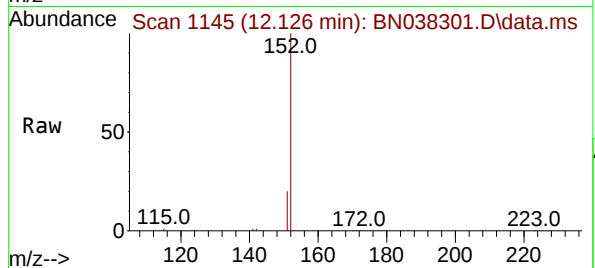




#11  
2-Methylnaphthalene-d10  
Concen: 0.785 ng  
RT: 12.126 min Scan# 1145  
Delta R.T. -0.000 min  
Lab File: BN038301.D  
Acq: 10 Dec 2025 11:41

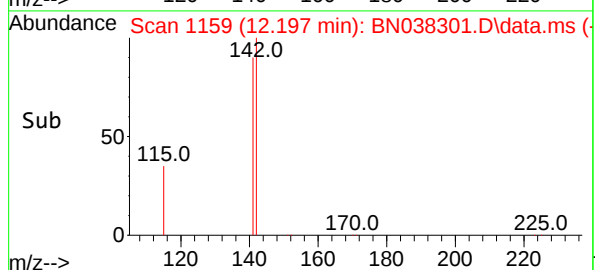
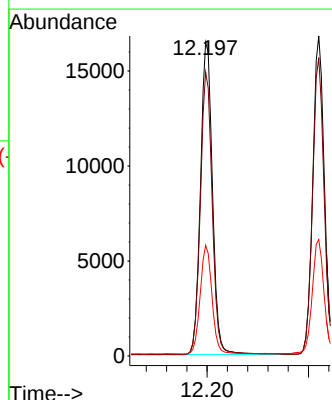
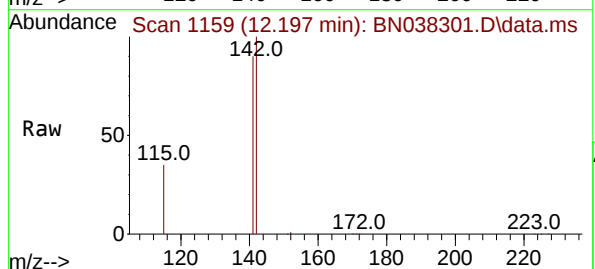
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC0.8

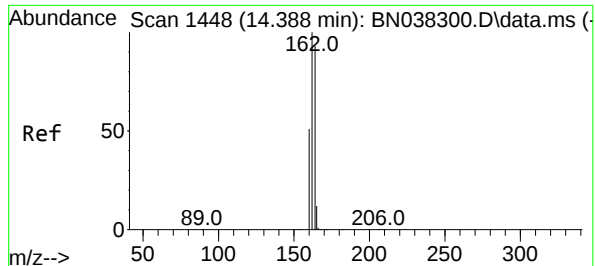
Tgt Ion:152 Resp: 20420  
Ion Ratio Lower Upper  
152 100  
151 21.0 17.0 25.6



#12  
2-Methylnaphthalene  
Concen: 0.786 ng  
RT: 12.197 min Scan# 1159  
Delta R.T. -0.005 min  
Lab File: BN038301.D  
Acq: 10 Dec 2025 11:41

Tgt Ion:142 Resp: 27173  
Ion Ratio Lower Upper  
142 100  
141 90.4 71.4 107.2  
115 35.2 28.4 42.6

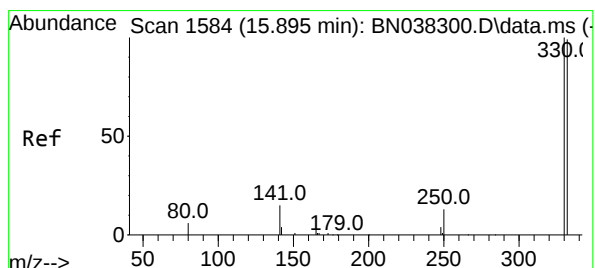
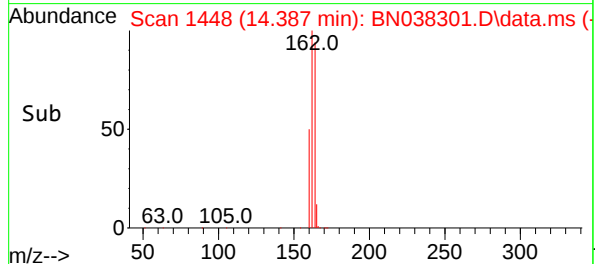
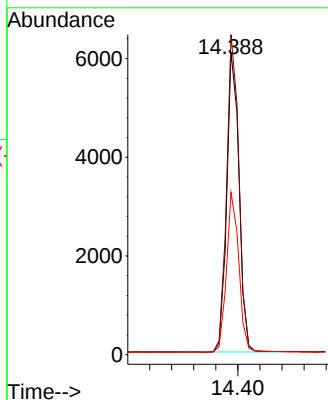
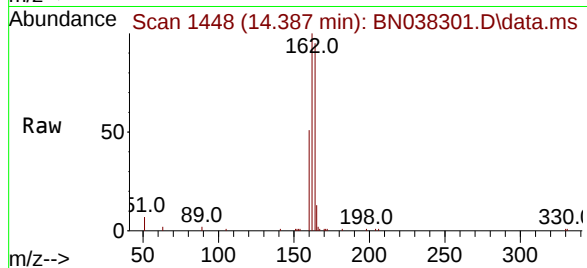




#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.387 min Scan# 1448  
Delta R.T. -0.011 min  
Lab File: BN038301.D  
Acq: 10 Dec 2025 11:41

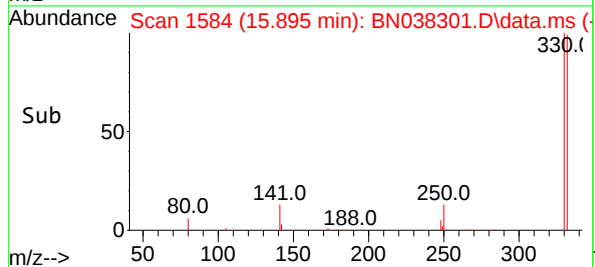
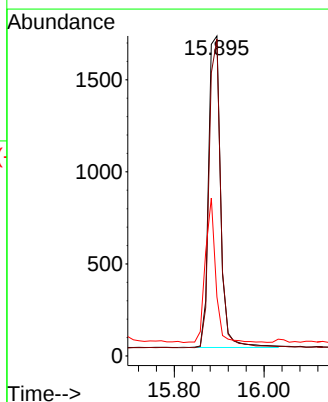
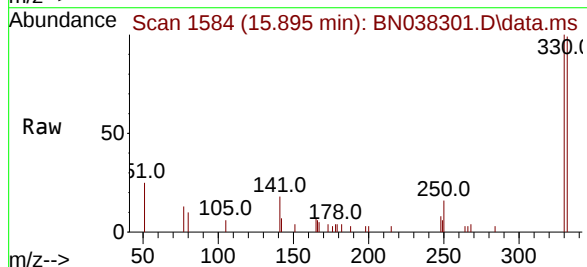
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC0.8

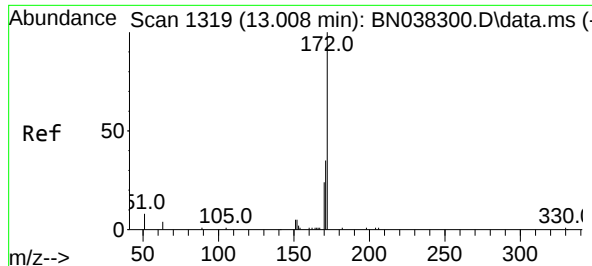
Tgt Ion:164 Resp: 9355  
Ion Ratio Lower Upper  
164 100  
162 105.8 86.2 129.4  
160 53.6 44.6 67.0



#14  
2,4,6-Tribromophenol  
Concen: 0.759 ng  
RT: 15.895 min Scan# 1584  
Delta R.T. -0.000 min  
Lab File: BN038301.D  
Acq: 10 Dec 2025 11:41

Tgt Ion:330 Resp: 3151  
Ion Ratio Lower Upper  
330 100  
332 95.0 75.8 113.6  
141 39.9 31.8 47.8

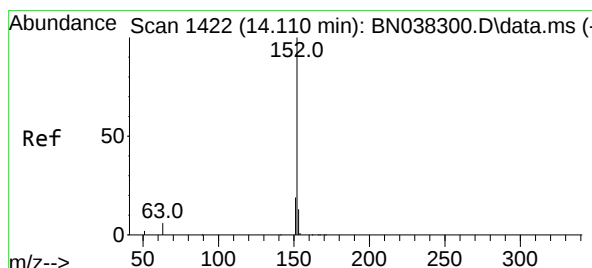
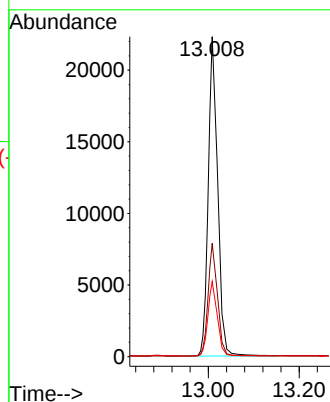
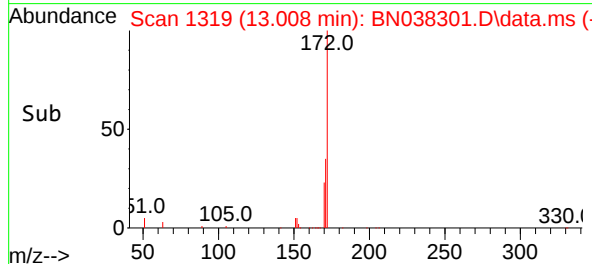
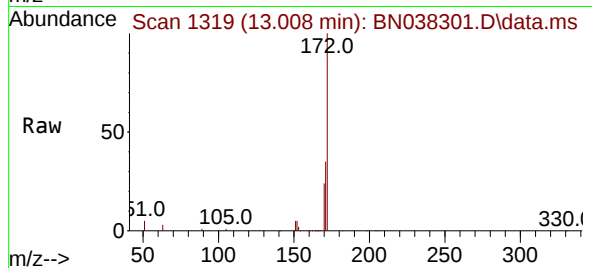




#15  
2-Fluorobiphenyl  
Concen: 0.763 ng  
RT: 13.008 min Scan# 1319  
Delta R.T. -0.000 min  
Lab File: BN038301.D  
Acq: 10 Dec 2025 11:41

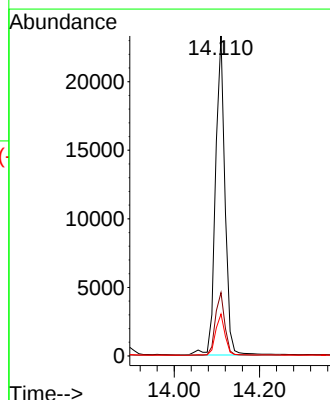
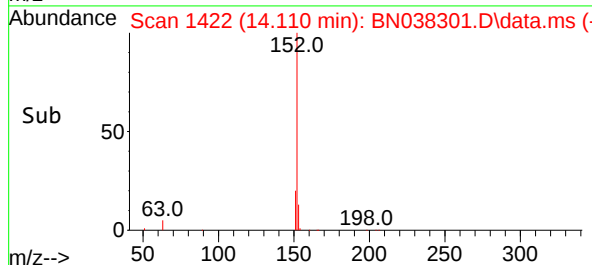
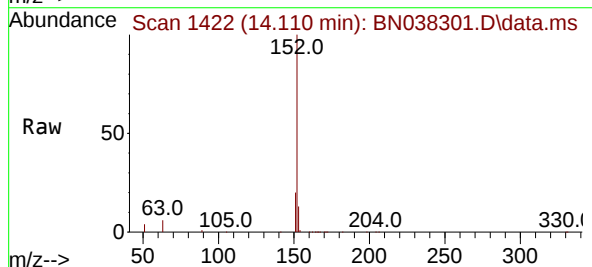
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC0.8

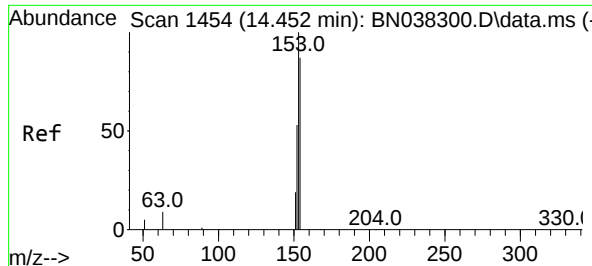
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.4  | 28.6  | 42.8  |
| 170     | 23.5  | 19.3  | 28.9  |



#16  
Acenaphthylene  
Concen: 0.780 ng  
RT: 14.110 min Scan# 1422  
Delta R.T. -0.000 min  
Lab File: BN038301.D  
Acq: 10 Dec 2025 11:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 19.4  | 15.4  | 23.2  |
| 153     | 12.9  | 10.2  | 15.4  |

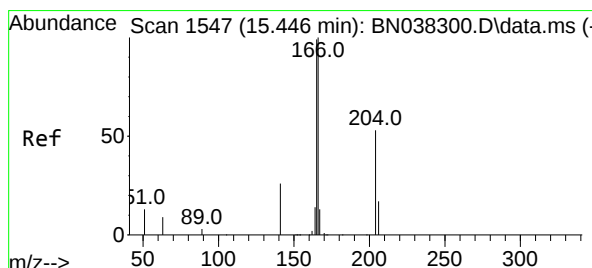
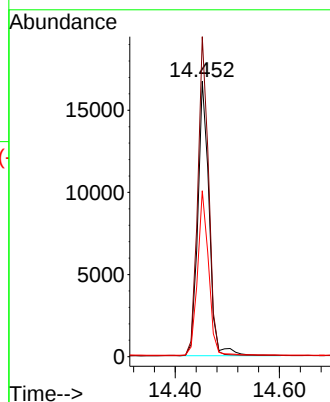
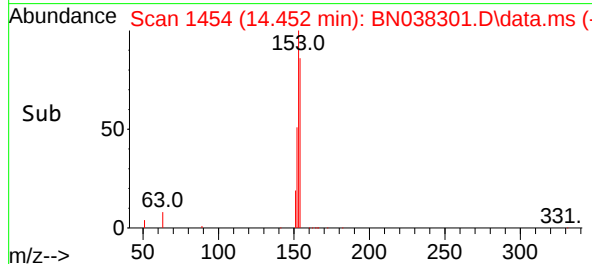
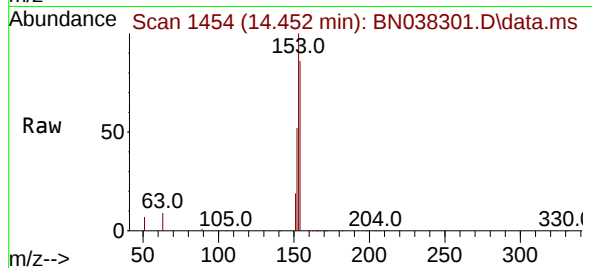




#17  
Acenaphthene  
Concen: 0.790 ng  
RT: 14.452 min Scan# 1454  
Delta R.T. -0.011 min  
Lab File: BN038301.D  
Acq: 10 Dec 2025 11:41

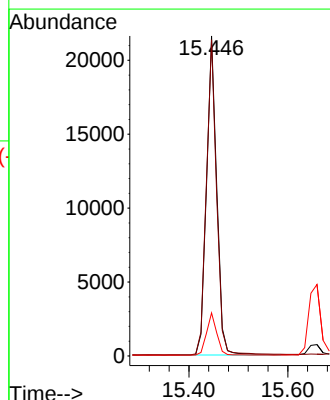
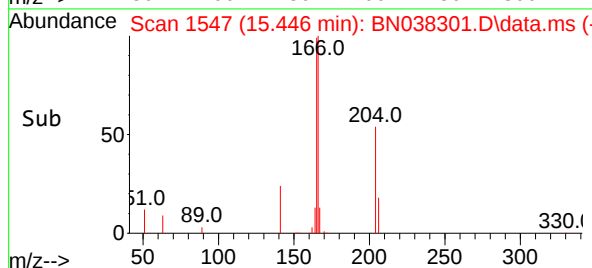
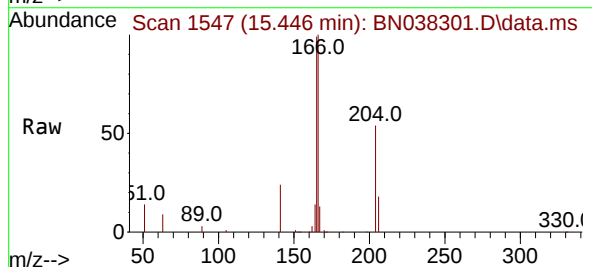
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC0.8

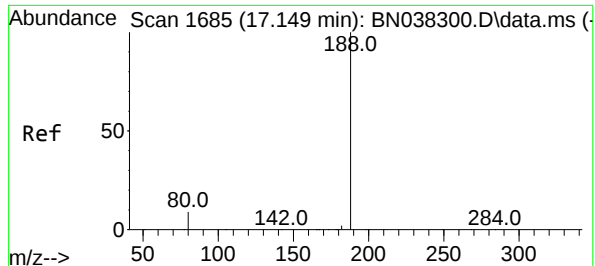
Tgt Ion:154 Resp: 25275  
Ion Ratio Lower Upper  
154 100  
153 111.7 89.8 134.8  
152 58.2 47.5 71.3



#18  
Fluorene  
Concen: 0.788 ng  
RT: 15.446 min Scan# 1547  
Delta R.T. -0.000 min  
Lab File: BN038301.D  
Acq: 10 Dec 2025 11:41

Tgt Ion:166 Resp: 32463  
Ion Ratio Lower Upper  
166 100  
165 98.3 80.2 120.4  
167 13.2 10.6 16.0





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.148 min Scan# 1685

Delta R.T. -0.000 min

Lab File: BN038301.D

Acq: 10 Dec 2025 11:41

Instrument :

BNA\_N

ClientSampleId :

SSTDICC0.8

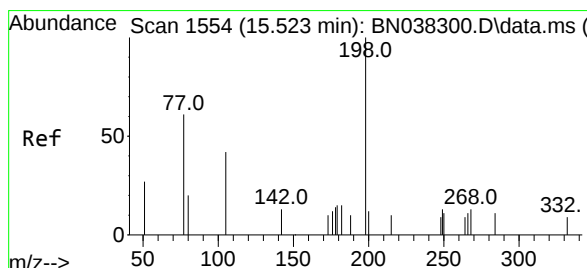
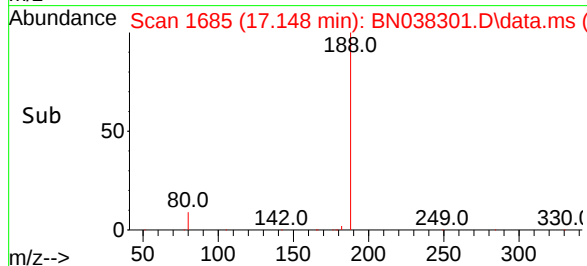
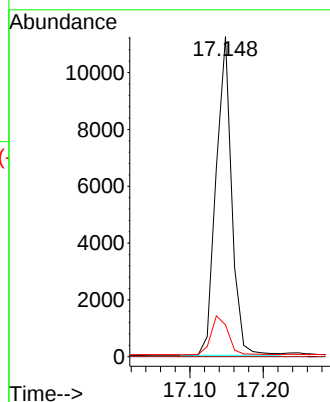
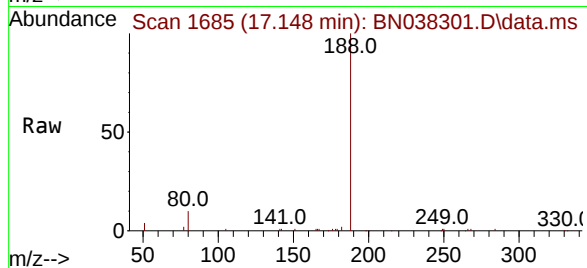
Tgt Ion:188 Resp: 16598

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 9.9 7.4 11.0



#20

4,6-Dinitro-2-methylphenol

Concen: 0.777 ng

RT: 15.522 min Scan# 1554

Delta R.T. 0.000 min

Lab File: BN038301.D

Acq: 10 Dec 2025 11:41

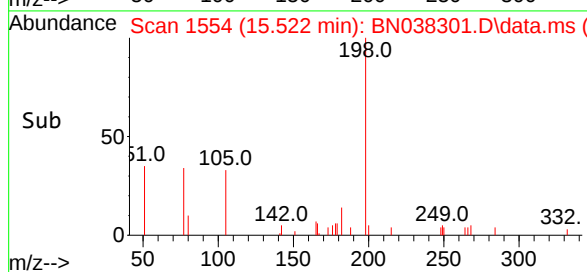
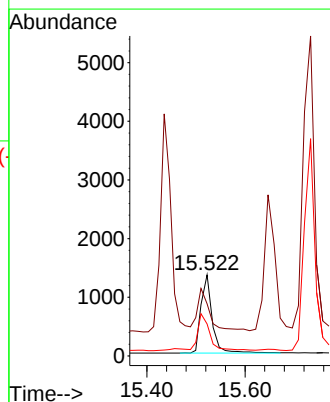
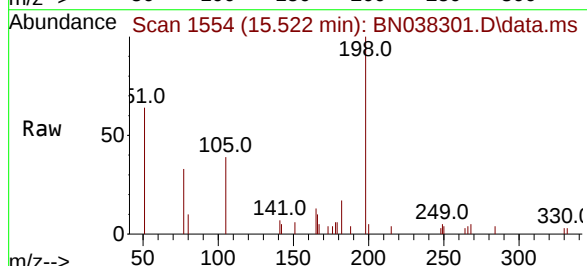
Tgt Ion:198 Resp: 2122

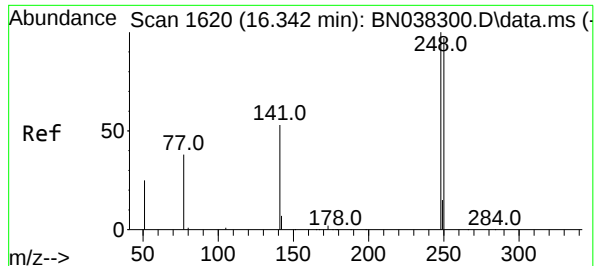
Ion Ratio Lower Upper

198 100

51 64.3 86.3 129.5#

105 39.4 45.3 67.9#





#21

4-Bromophenyl-phenylether

Concen: 0.785 ng

RT: 16.342 min Scan# 1620

Delta R.T. -0.000 min

Lab File: BN038301.D

Acq: 10 Dec 2025 11:41

Instrument :

BNA\_N

ClientSampleId :

SSTDICC0.8

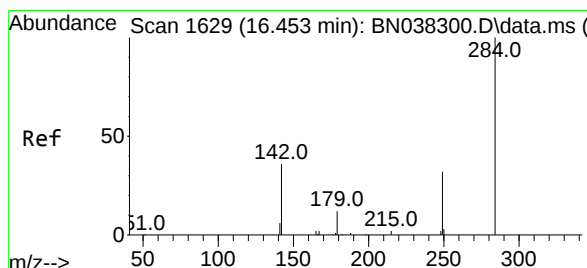
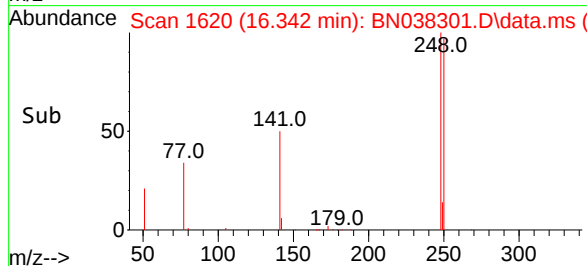
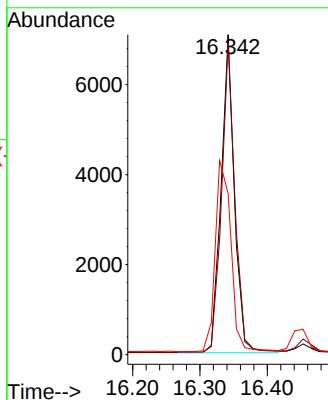
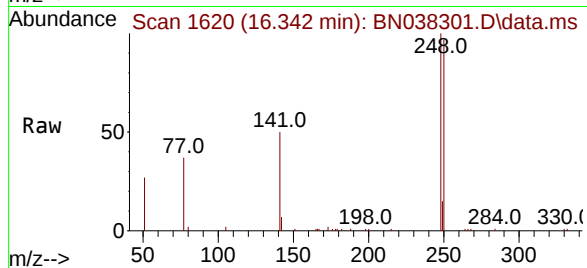
Tgt Ion:248 Resp: 9669

Ion Ratio Lower Upper

248 100

250 97.4 78.2 117.2

141 50.4 43.7 65.5



#22

Hexachlorobenzene

Concen: 0.786 ng

RT: 16.453 min Scan# 1629

Delta R.T. -0.012 min

Lab File: BN038301.D

Acq: 10 Dec 2025 11:41

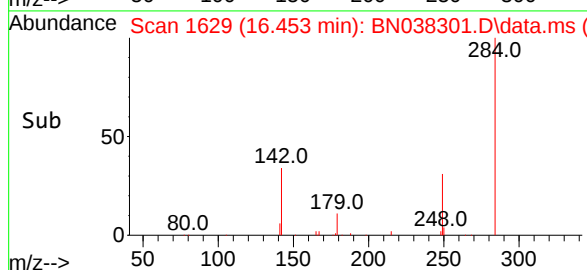
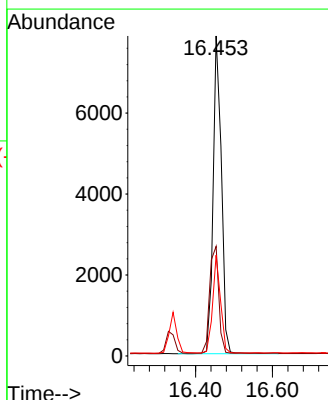
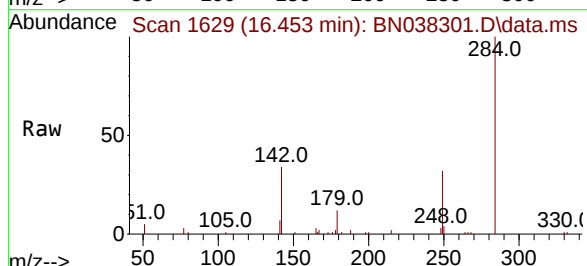
Tgt Ion:284 Resp: 11634

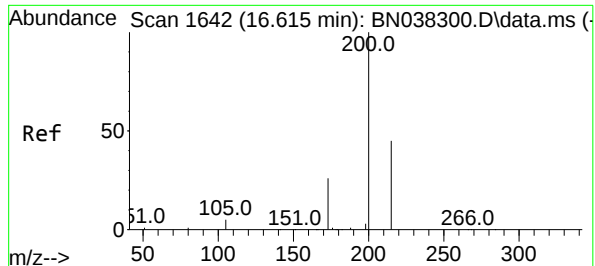
Ion Ratio Lower Upper

284 100

142 37.3 29.5 44.3

249 29.4 23.7 35.5

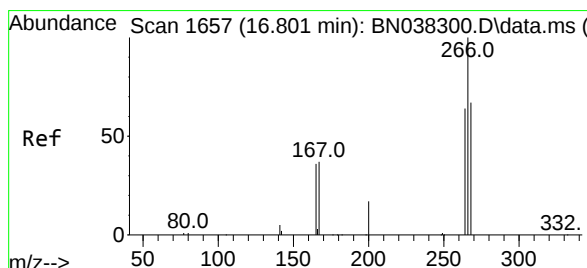
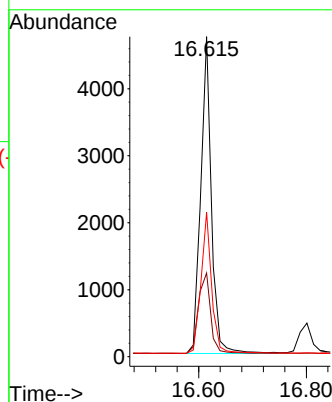
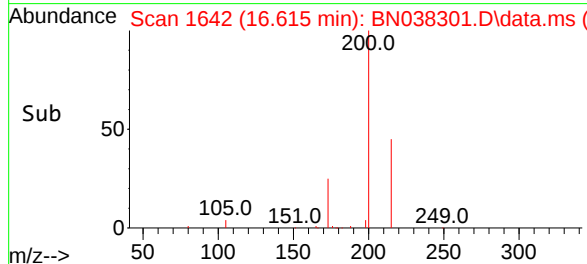
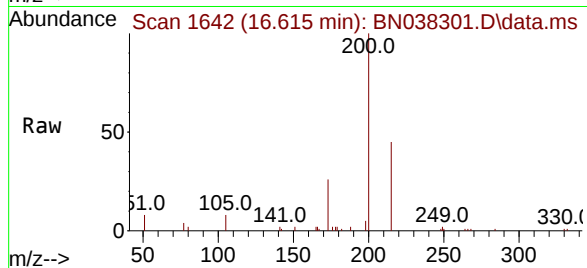




#23  
Atrazine  
Concen: 0.778 ng  
RT: 16.615 min Scan# 1642  
Delta R.T. -0.000 min  
Lab File: BN038301.D  
Acq: 10 Dec 2025 11:41

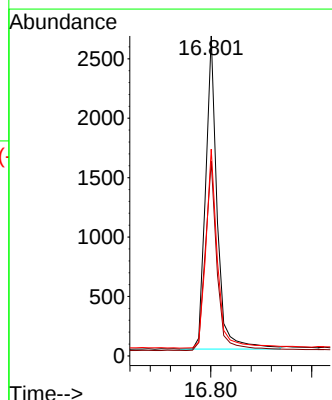
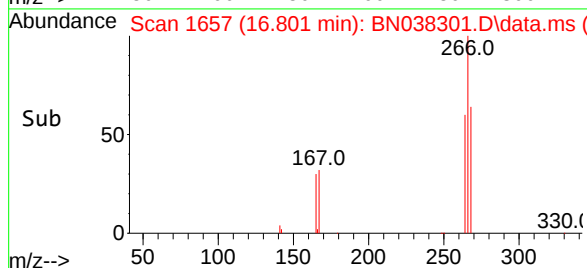
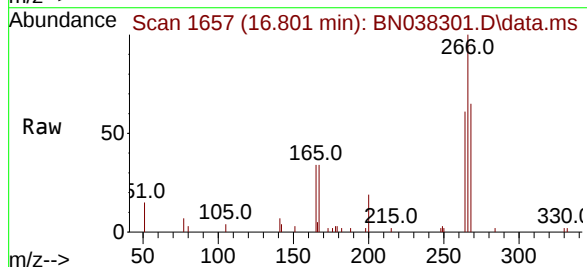
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC0.8

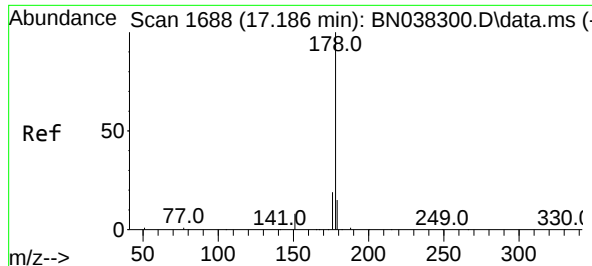
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 200     | 100   |       |       |
| 173     | 26.2  | 22.1  | 33.1  |
| 215     | 45.1  | 37.4  | 56.2  |



#24  
Pentachlorophenol  
Concen: 0.727 ng  
RT: 16.801 min Scan# 1657  
Delta R.T. -0.000 min  
Lab File: BN038301.D  
Acq: 10 Dec 2025 11:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 264     | 62.0  | 50.2  | 75.2  |
| 268     | 64.3  | 52.6  | 78.8  |

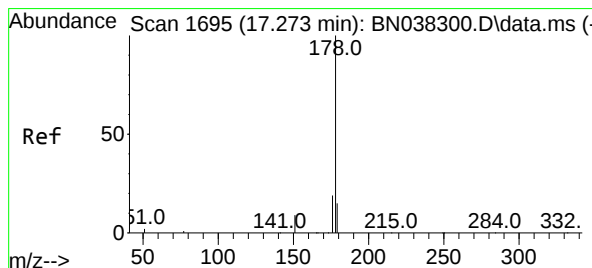
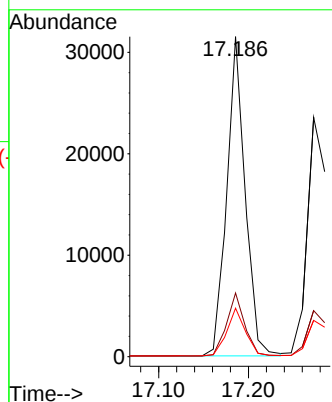
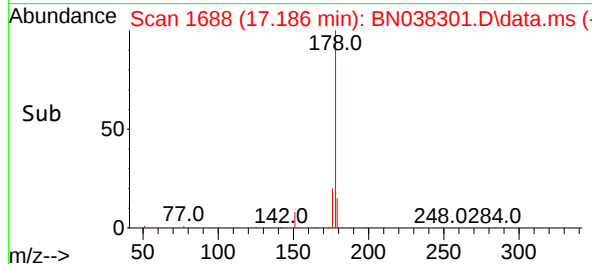
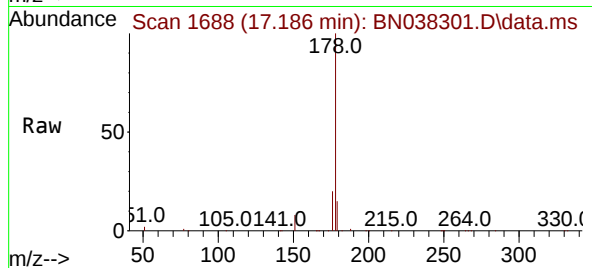




#25  
Phenanthrene  
Concen: 0.776 ng  
RT: 17.186 min Scan# 1688  
Delta R.T. -0.000 min  
Lab File: BN038301.D  
Acq: 10 Dec 2025 11:41

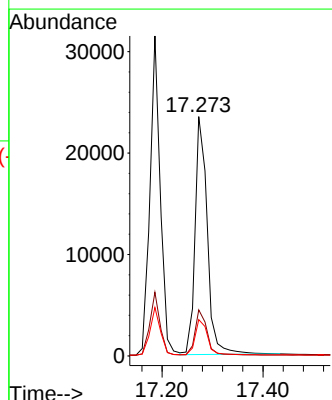
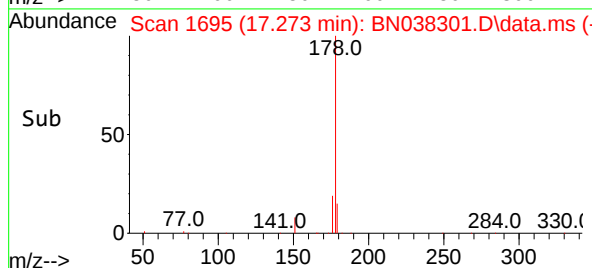
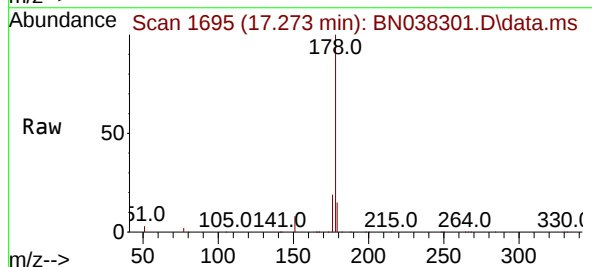
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC0.8

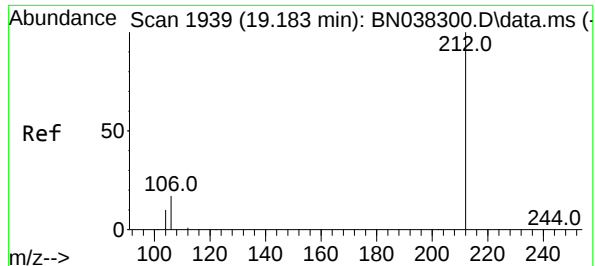
Tgt Ion:178 Resp: 44807  
Ion Ratio Lower Upper  
178 100  
176 19.5 15.5 23.3  
179 15.2 12.2 18.2



#26  
Anthracene  
Concen: 0.793 ng  
RT: 17.273 min Scan# 1695  
Delta R.T. -0.012 min  
Lab File: BN038301.D  
Acq: 10 Dec 2025 11:41

Tgt Ion:178 Resp: 39515  
Ion Ratio Lower Upper  
178 100  
176 18.7 15.1 22.7  
179 15.2 12.0 18.0





#27

Fluoranthene-d10

Concen: 0.795 ng

RT: 19.183 min Scan# 1939

Delta R.T. -0.005 min

Lab File: BN038301.D

Acq: 10 Dec 2025 11:41

Instrument :

BNA\_N

ClientSampleId :

SSTDICC0.8

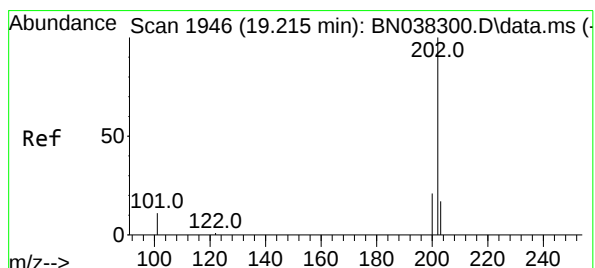
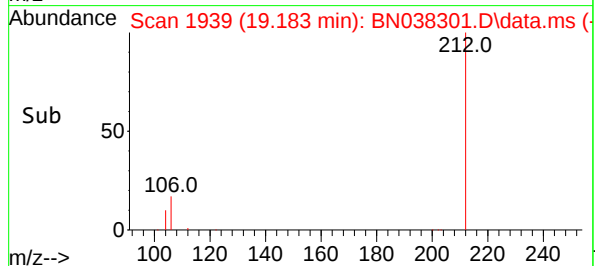
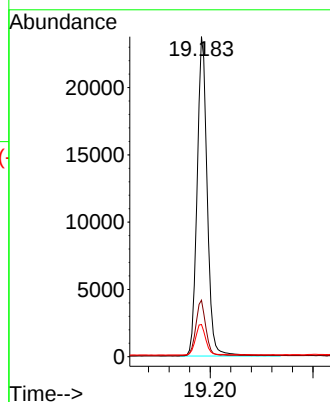
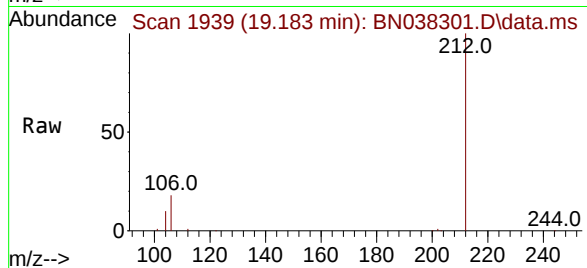
Tgt Ion:212 Resp: 32647

Ion Ratio Lower Upper

212 100

106 17.2 13.7 20.5

104 9.7 7.8 11.8



#28

Fluoranthene

Concen: 0.792 ng

RT: 19.215 min Scan# 1946

Delta R.T. -0.005 min

Lab File: BN038301.D

Acq: 10 Dec 2025 11:41

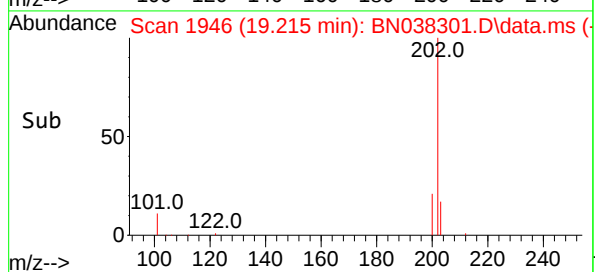
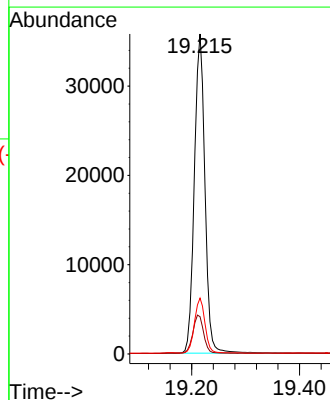
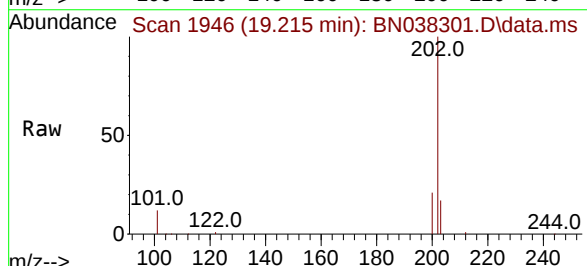
Tgt Ion:202 Resp: 48652

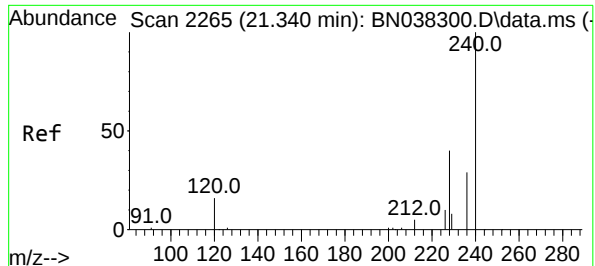
Ion Ratio Lower Upper

202 100

101 12.5 9.6 14.4

203 16.9 13.5 20.3





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.340 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN038301.D

Acq: 10 Dec 2025 11:41

Instrument :

BNA\_N

ClientSampleId :

SSTDICC0.8

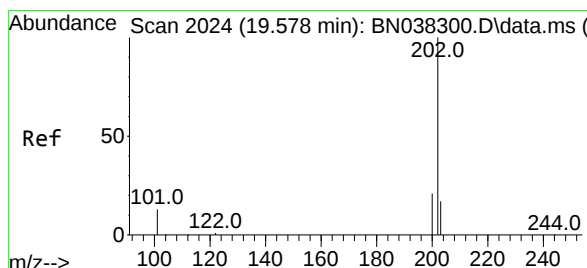
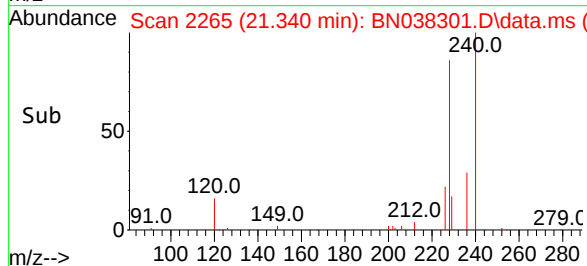
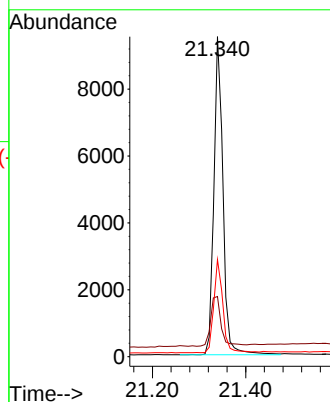
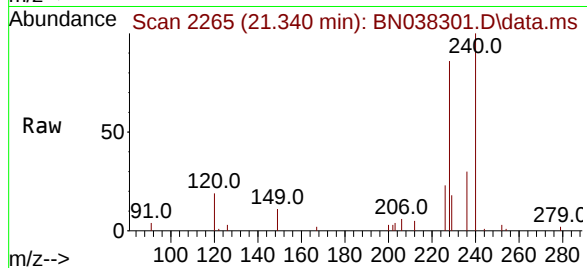
Tgt Ion:240 Resp: 12910

Ion Ratio Lower Upper

240 100

120 18.8 15.4 23.2

236 30.3 23.9 35.9



#30

Pyrene

Concen: 0.776 ng

RT: 19.578 min Scan# 2024

Delta R.T. -0.005 min

Lab File: BN038301.D

Acq: 10 Dec 2025 11:41

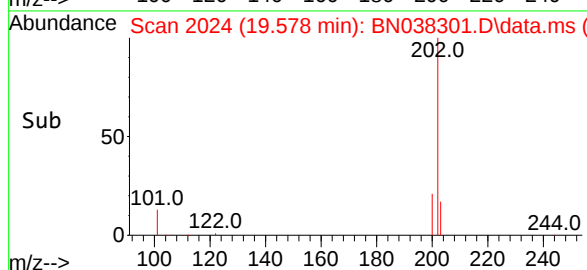
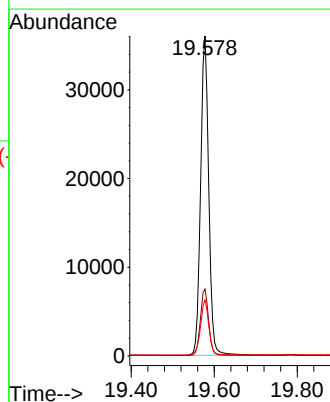
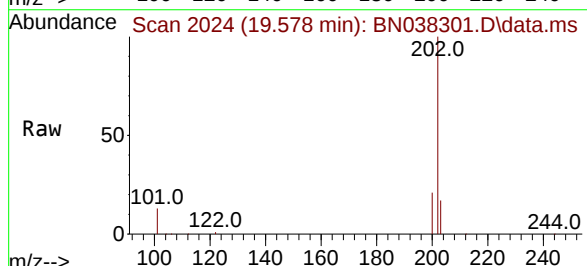
Tgt Ion:202 Resp: 49288

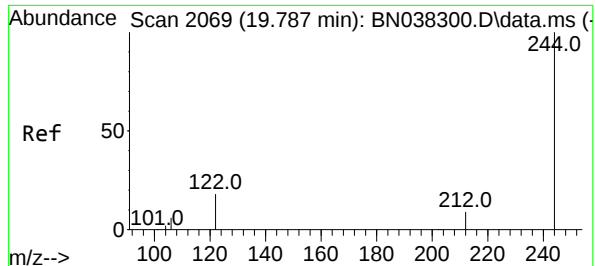
Ion Ratio Lower Upper

202 100

200 21.0 16.9 25.3

203 17.6 14.2 21.2

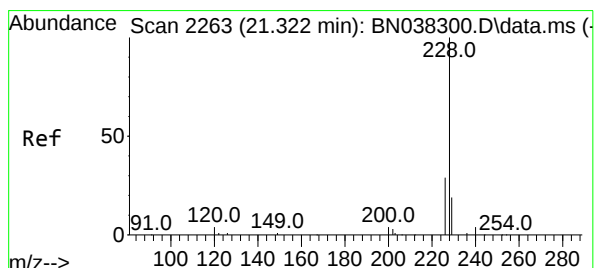
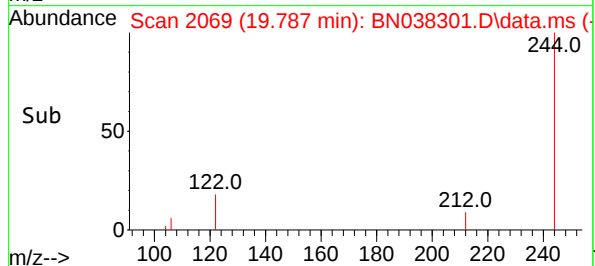
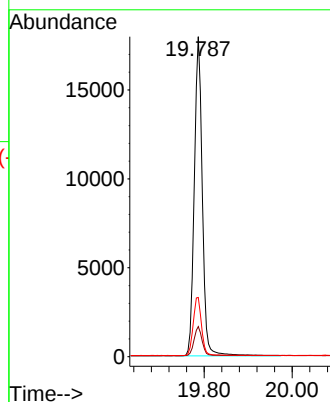
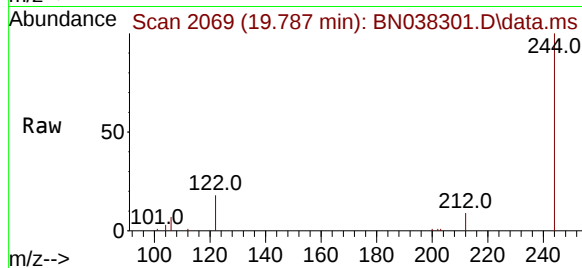




#31  
Terphenyl-d14  
Concen: 0.789 ng  
RT: 19.787 min Scan# 2069  
Delta R.T. -0.005 min  
Lab File: BN038301.D  
Acq: 10 Dec 2025 11:41

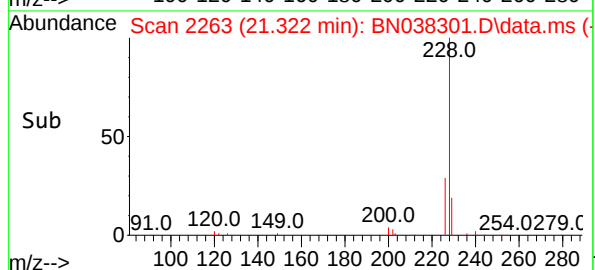
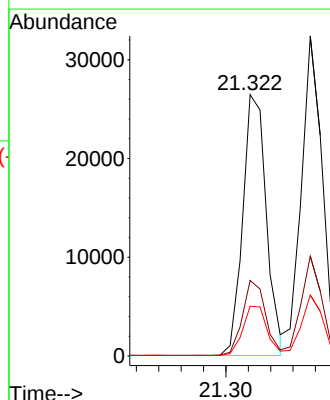
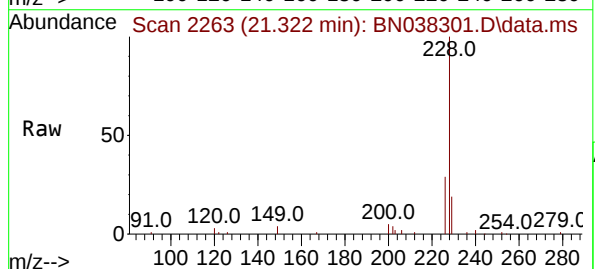
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC0.8

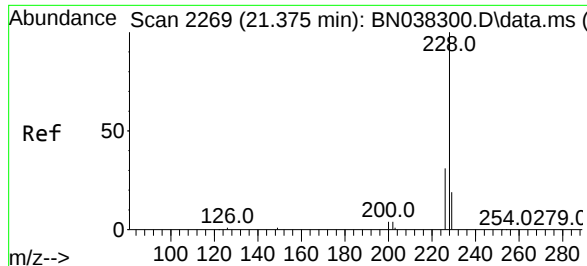
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 9.4   | 7.9   | 11.9  |
| 122     | 18.5  | 15.0  | 22.6  |



#32  
Benzo(a)anthracene  
Concen: 0.777 ng  
RT: 21.322 min Scan# 2263  
Delta R.T. -0.009 min  
Lab File: BN038301.D  
Acq: 10 Dec 2025 11:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 28.9  | 23.3  | 34.9  |
| 229     | 19.1  | 15.7  | 23.5  |





#33

Chrysene

Concen: 0.804 ng

RT: 21.375 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN038301.D

Acq: 10 Dec 2025 11:41

Instrument :

BNA\_N

ClientSampleId :

SSTDICC0.8

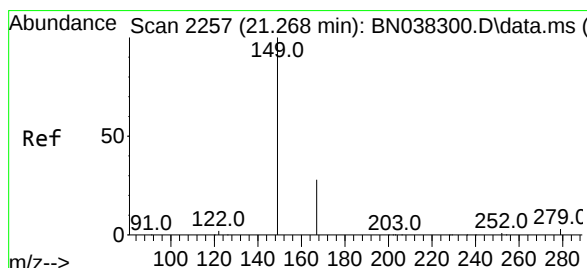
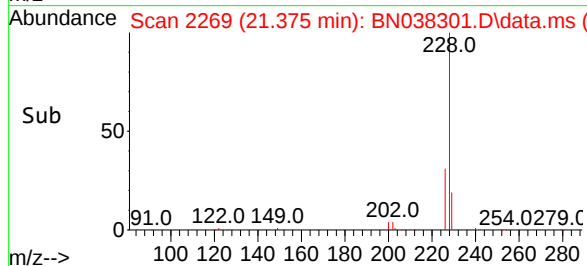
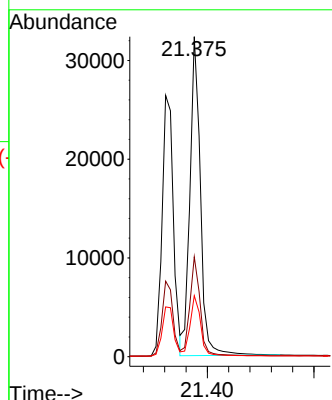
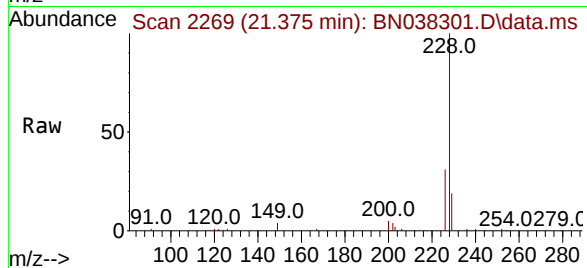
Tgt Ion:228 Resp: 44128

Ion Ratio Lower Upper

228 100

226 31.2 25.0 37.4

229 19.1 15.5 23.3



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.735 ng

RT: 21.268 min Scan# 2257

Delta R.T. -0.000 min

Lab File: BN038301.D

Acq: 10 Dec 2025 11:41

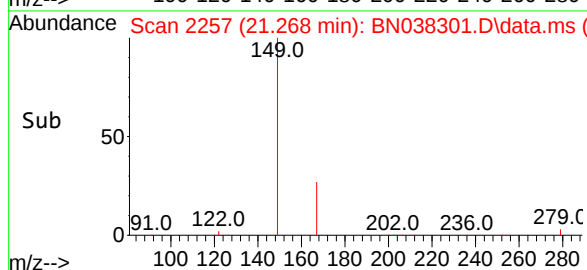
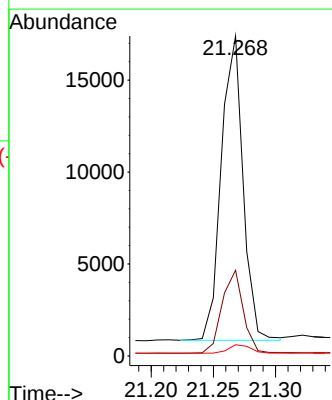
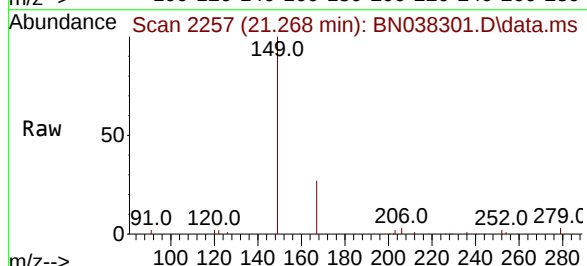
Tgt Ion:149 Resp: 20109

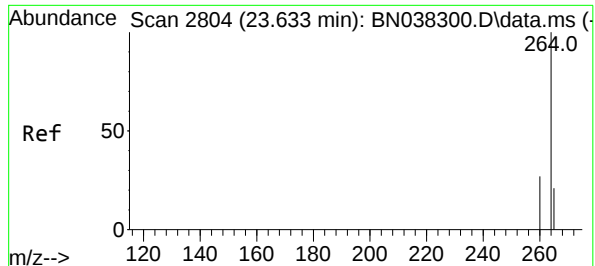
Ion Ratio Lower Upper

149 100

167 26.7 21.4 32.0

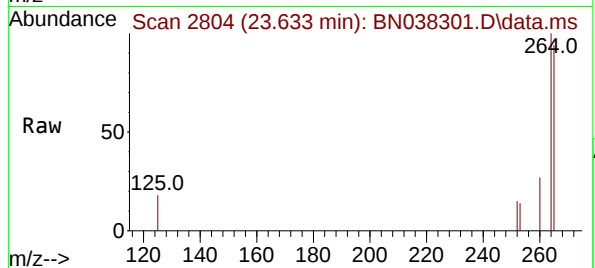
279 3.1 2.4 3.6



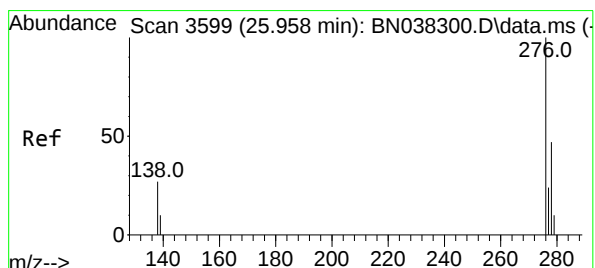
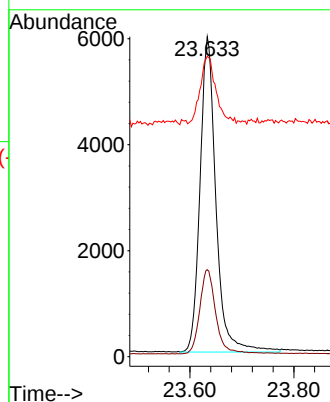
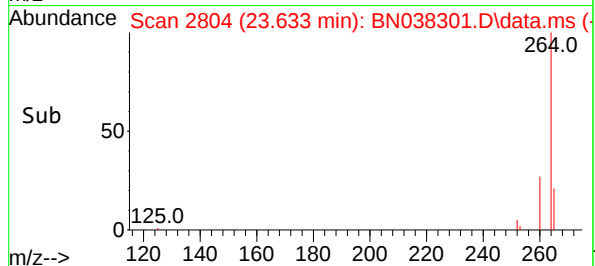


#35  
Perylene-d12  
Concen: 0.400 ng  
RT: 23.633 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: BN038301.D  
Acq: 10 Dec 2025 11:41

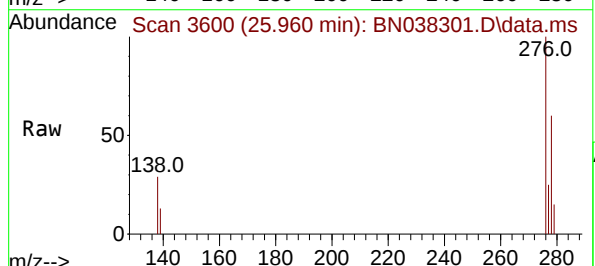
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC0.8



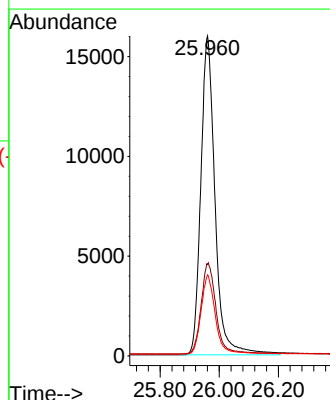
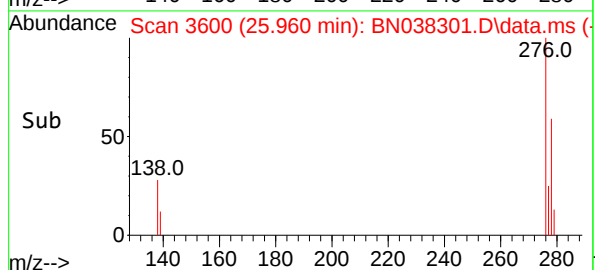
Tgt Ion:264 Resp: 12619  
Ion Ratio Lower Upper  
264 100  
260 27.2 22.2 33.2  
265 93.9 80.2 120.2

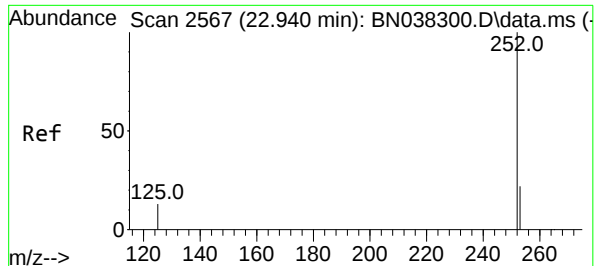


#36  
Indeno(1,2,3-cd)pyrene  
Concen: 0.798 ng  
RT: 25.960 min Scan# 3600  
Delta R.T. -0.003 min  
Lab File: BN038301.D  
Acq: 10 Dec 2025 11:41



Tgt Ion:276 Resp: 53409  
Ion Ratio Lower Upper  
276 100  
138 29.7 23.6 35.4  
277 24.4 19.7 29.5





#37

Benzo(b)fluoranthene

Concen: 0.773 ng

RT: 22.940 min Scan# 2567

Delta R.T. -0.006 min

Lab File: BN038301.D

Acq: 10 Dec 2025 11:41

Instrument :

BNA\_N

ClientSampleId :

SSTDICC0.8

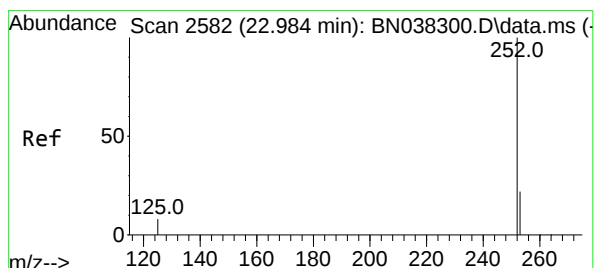
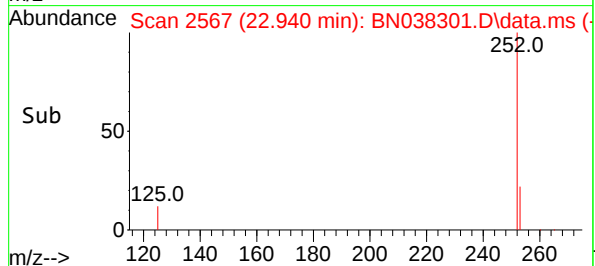
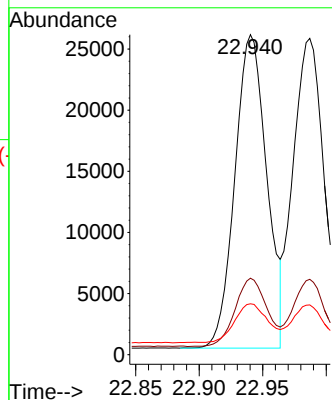
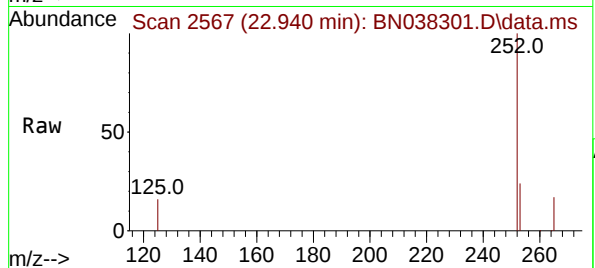
Tgt Ion:252 Resp: 44814

Ion Ratio Lower Upper

252 100

253 23.9 21.1 31.7

125 15.9 16.4 24.6#



#38

Benzo(k)fluoranthene

Concen: 0.791 ng

RT: 22.987 min Scan# 2583

Delta R.T. -0.003 min

Lab File: BN038301.D

Acq: 10 Dec 2025 11:41

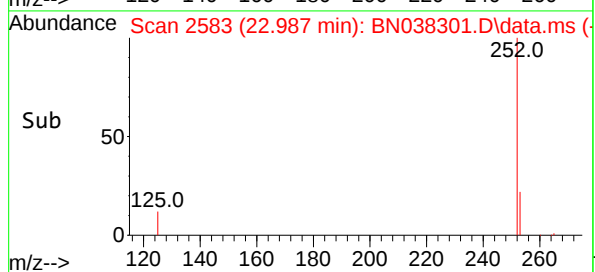
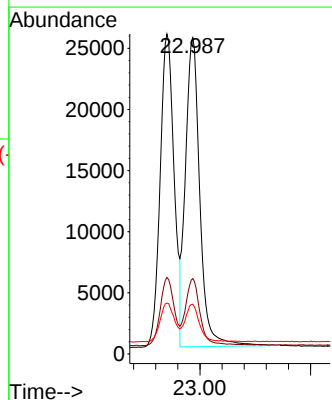
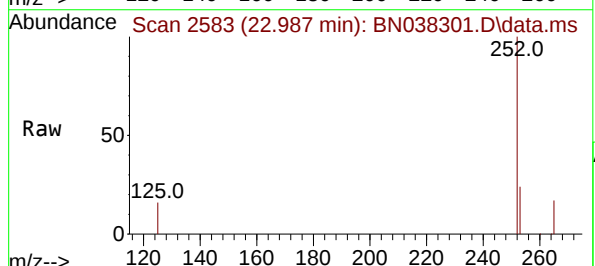
Tgt Ion:252 Resp: 45726

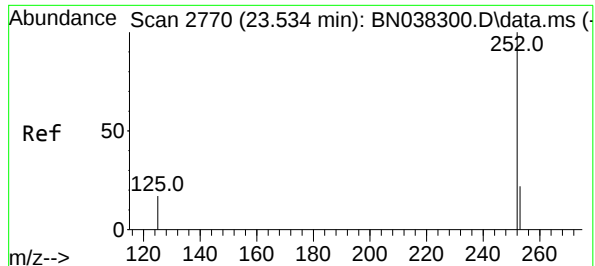
Ion Ratio Lower Upper

252 100

253 23.8 21.4 32.0

125 15.7 16.2 24.2#





#39

Benzo(a)pyrene

Concen: 0.776 ng

RT: 23.531 min Scan# 21

Delta R.T. -0.003 min

Lab File: BN038301.D

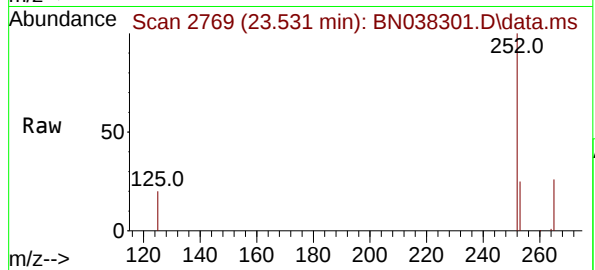
Acq: 10 Dec 2025 11:41

Instrument :

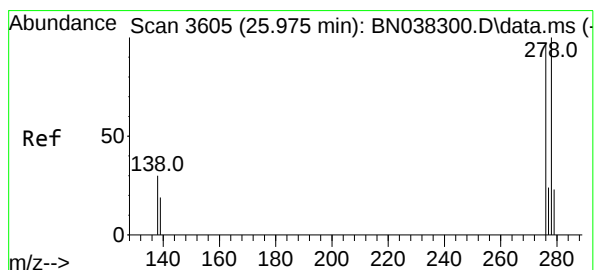
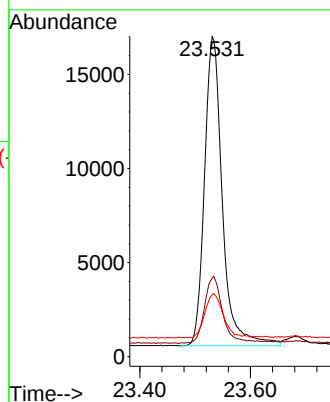
BNA\_N

ClientSampleId :

SSTDICC0.8



|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 36830 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 24.7  | 23.3  | 34.9  |
| 125       | 19.5  | 22.4  | 33.6# |



#40

Dibenzo(a,h)anthracene

Concen: 0.794 ng

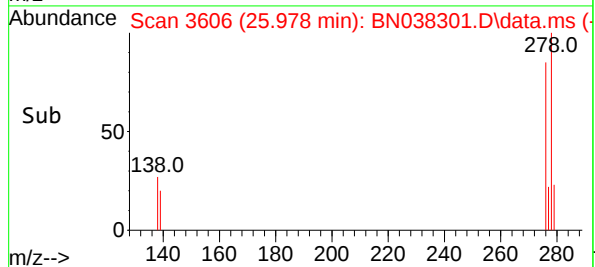
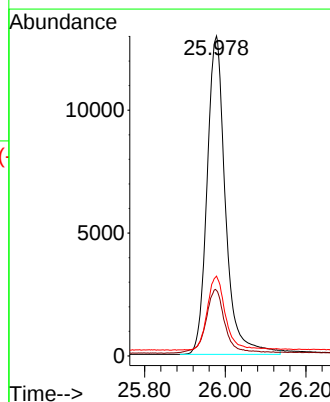
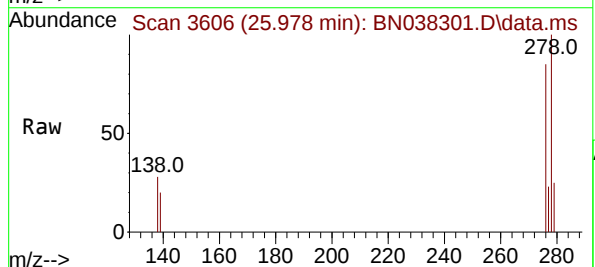
RT: 25.978 min Scan# 3606

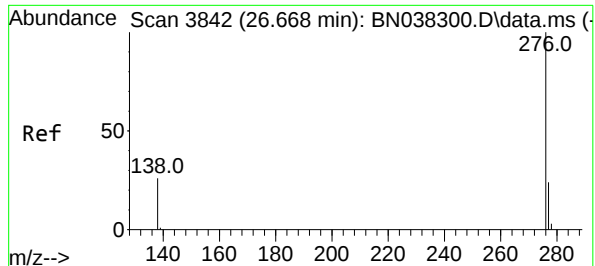
Delta R.T. -0.003 min

Lab File: BN038301.D

Acq: 10 Dec 2025 11:41

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 278   | Resp: | 40988 |
| Ion Ratio | Lower | Upper |       |
| 278       | 100   |       |       |
| 139       | 20.5  | 17.8  | 26.8  |
| 279       | 25.0  | 21.3  | 31.9  |





#41

Benzo(g,h,i)perylene

Concen: 0.790 ng

RT: 26.668 min Scan# 3842

Delta R.T. -0.009 min

Lab File: BN038301.D

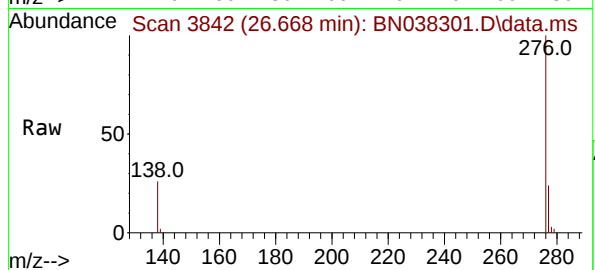
Acq: 10 Dec 2025 11:41

Instrument :

BNA\_N

ClientSampleId :

SSTDICC0.8



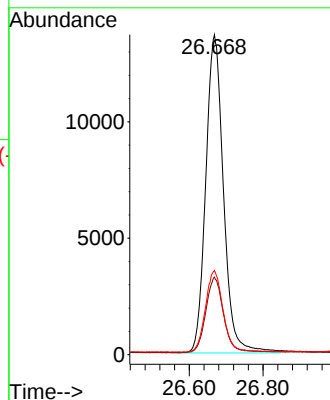
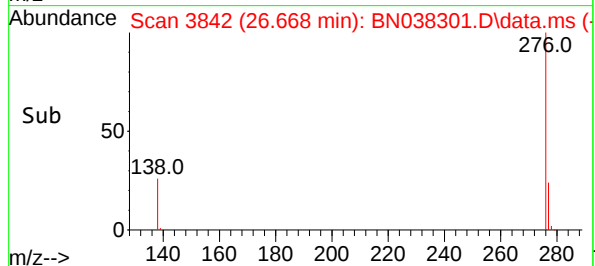
Tgt Ion:276 Resp: 45587

Ion Ratio Lower Upper

276 100

277 24.3 20.0 30.0

138 26.3 21.8 32.6



Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN121025\  
 Data File : BN038302.D  
 Acq On : 10 Dec 2025 12:17  
 Operator : RC/JU  
 Sample : SSTDICC1.6  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTDICC1.6

Quant Time: Dec 10 14:00:15 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN121025.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 10 13:56:50 2025  
 Response via : Initial Calibration

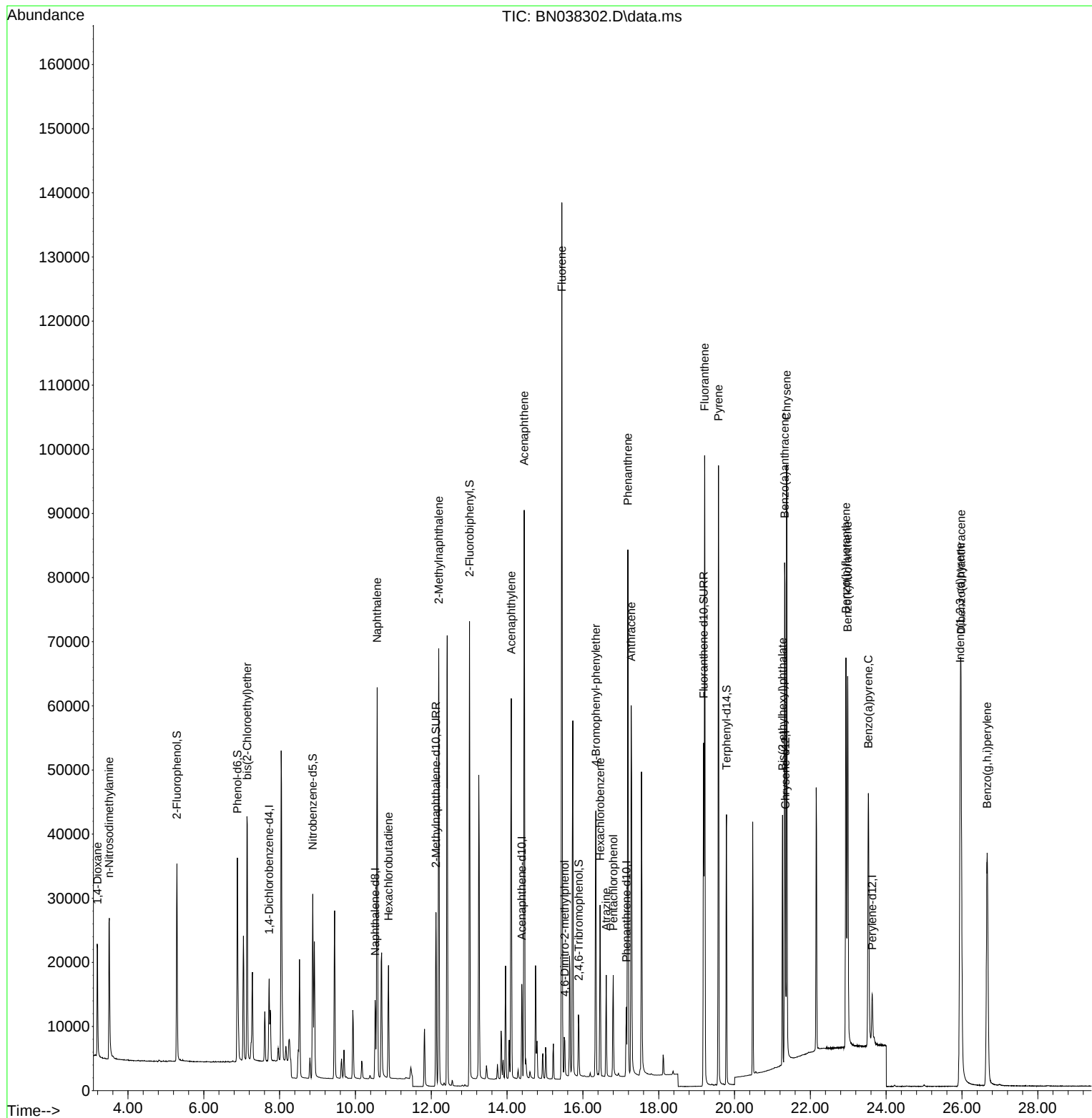
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.724  | 152  | 6263     | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.520 | 136  | 16493    | 0.400 | ng    | #-0.01   |
| 13) Acenaphthene-d10          | 14.388 | 164  | 8387     | 0.400 | ng    | -0.01    |
| 19) Phenanthrene-d10          | 17.149 | 188  | 14601    | 0.400 | ng    | 0.00     |
| 29) Chrysene-d12              | 21.340 | 240  | 11383    | 0.400 | ng    | 0.00     |
| 35) Perylene-d12              | 23.630 | 264  | 10679    | 0.400 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.291  | 112  | 24513    | 1.572 | ng    | 0.00     |
| 5) Phenol-d6                  | 6.887  | 99   | 29702    | 1.602 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 8.875  | 82   | 22047    | 1.585 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10   | 12.126 | 152  | 36899    | 1.586 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 15.895 | 330  | 5860     | 1.575 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 13.009 | 172  | 62872    | 1.556 | ng    | 0.00     |
| 27) Fluoranthene-d10          | 19.183 | 212  | 57448    | 1.591 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.787 | 244  | 39298    | 1.547 | ng    | 0.00     |
| Target Compounds              |        |      |          |       |       |          |
|                               |        |      |          |       |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.196  | 88   | 11066    | 1.541 | ng    | 99       |
| 3) n-Nitrosodimethylamine     | 3.499  | 42   | 14375    | 1.597 | ng    | # 98     |
| 6) bis(2-Chloroethyl)ether    | 7.147  | 93   | 28668    | 1.580 | ng    | 99       |
| 9) Naphthalene                | 10.573 | 128  | 76464    | 1.568 | ng    | 99       |
| 10) Hexachlorobutadiene       | 10.872 | 225  | 13520    | 1.560 | ng    | # 100    |
| 12) 2-Methylnaphthalene       | 12.197 | 142  | 49274    | 1.592 | ng    | 99       |
| 16) Acenaphthylene            | 14.110 | 152  | 64734    | 1.572 | ng    | 100      |
| 17) Acenaphthene              | 14.452 | 154  | 45547    | 1.587 | ng    | 98       |
| 18) Fluorene                  | 15.446 | 166  | 57951    | 1.570 | ng    | 99       |
| 20) 4,6-Dinitro-2-methylph... | 15.523 | 198  | 4052     | 1.687 | ng    | # 51     |
| 21) 4-Bromophenyl-phenylether | 16.342 | 248  | 17091    | 1.578 | ng    | 99       |
| 22) Hexachlorobenzene         | 16.454 | 284  | 20250    | 1.555 | ng    | 100      |
| 23) Atrazine                  | 16.615 | 200  | 11669    | 1.579 | ng    | 98       |
| 24) Pentachlorophenol         | 16.801 | 266  | 7830     | 1.541 | ng    | 99       |
| 25) Phenanthrene              | 17.186 | 178  | 79019    | 1.555 | ng    | 100      |
| 26) Anthracene                | 17.273 | 178  | 69628    | 1.589 | ng    | 100      |
| 28) Fluoranthene              | 19.211 | 202  | 86039    | 1.593 | ng    | 99       |
| 30) Pyrene                    | 19.578 | 202  | 86035    | 1.535 | ng    | 100      |
| 32) Benzo(a)anthracene        | 21.322 | 228  | 68895    | 1.567 | ng    | 98       |
| 33) Chrysene                  | 21.375 | 228  | 76200    | 1.574 | ng    | 99       |
| 34) Bis(2-ethylhexyl)phtha... | 21.268 | 149  | 34320    | 1.423 | ng    | 99       |
| 36) Indeno(1,2,3-cd)pyrene    | 25.955 | 276  | 90364    | 1.595 | ng    | 100      |
| 37) Benzo(b)fluoranthene      | 22.940 | 252  | 78044    | 1.591 | ng    | # 90     |
| 38) Benzo(k)fluoranthene      | 22.984 | 252  | 77879    | 1.593 | ng    | # 90     |
| 39) Benzo(a)pyrene            | 23.531 | 252  | 63182    | 1.574 | ng    | # 85     |
| 40) Dibenzo(a,h)anthracene    | 25.975 | 278  | 70529    | 1.614 | ng    | 96       |
| 41) Benzo(g,h,i)perylene      | 26.665 | 276  | 77643    | 1.590 | ng    | 97       |
| -----                         |        |      |          |       |       |          |

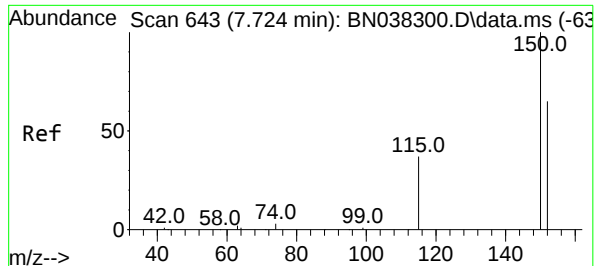
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN121025\  
 Data File : BN038302.D  
 Acq On : 10 Dec 2025 12:17  
 Operator : RC/JU  
 Sample : SSTDICC1.6  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTDICC1.6

Quant Time: Dec 10 14:00:15 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN121025.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 10 13:56:50 2025  
 Response via : Initial Calibration

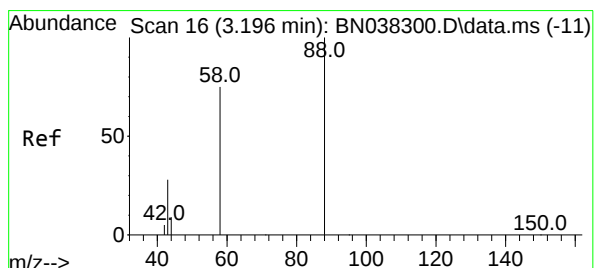
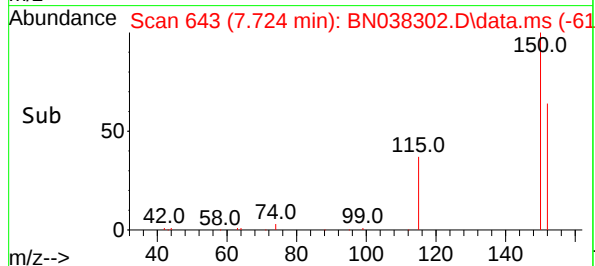
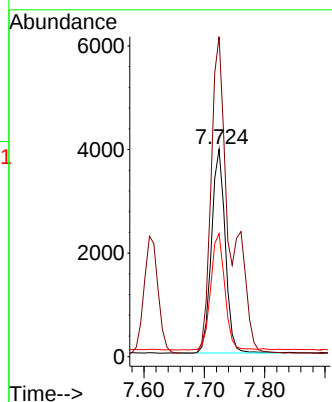
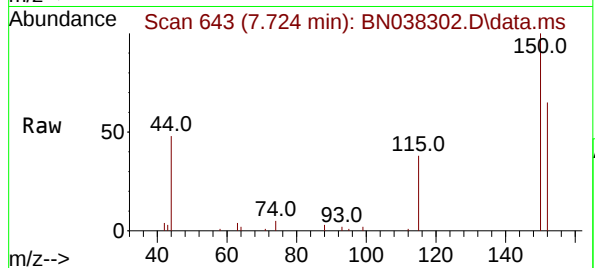




#1  
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.724 min Scan# 64  
Delta R.T. 0.000 min  
Lab File: BN038302.D  
Acq: 10 Dec 2025 12:17

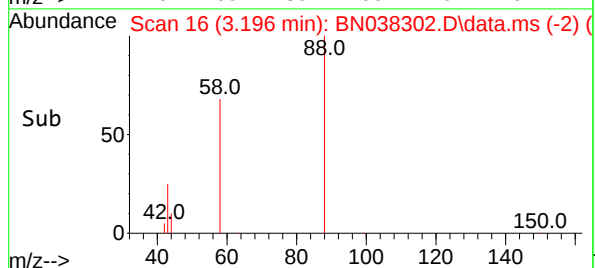
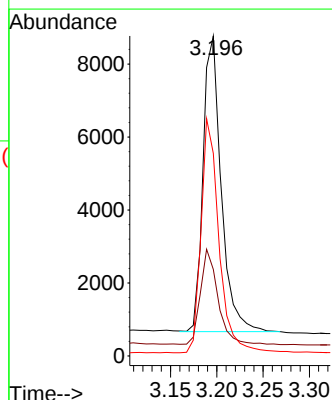
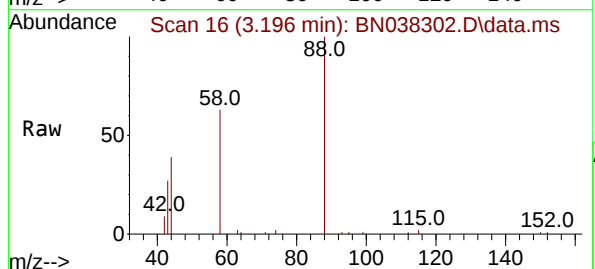
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC1.6

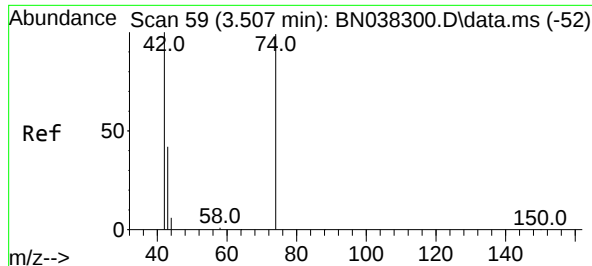
Tgt Ion:152 Resp: 6263  
Ion Ratio Lower Upper  
152 100  
150 154.1 122.4 183.6  
115 59.3 47.3 70.9



#2  
1,4-Dioxane  
Concen: 1.541 ng  
RT: 3.196 min Scan# 16  
Delta R.T. 0.000 min  
Lab File: BN038302.D  
Acq: 10 Dec 2025 12:17

Tgt Ion: 88 Resp: 11066  
Ion Ratio Lower Upper  
88 100  
43 31.3 24.9 37.3  
58 78.2 61.4 92.0

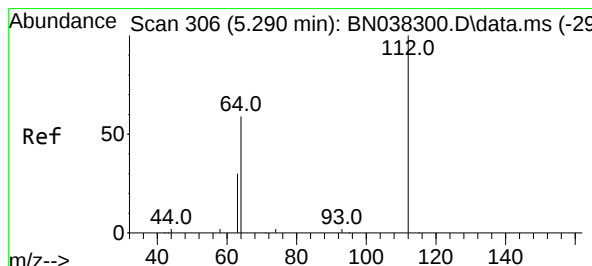
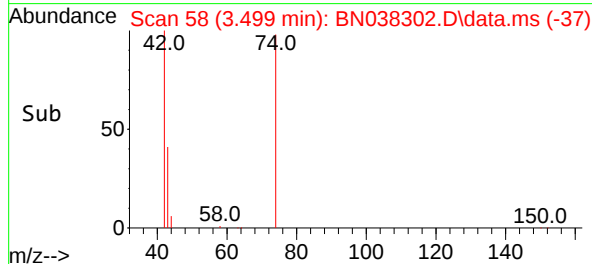
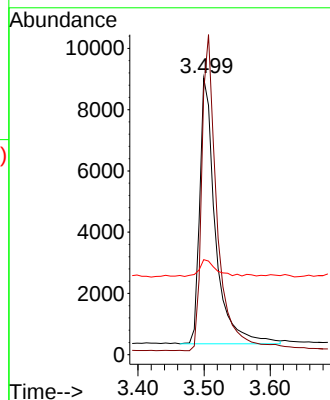
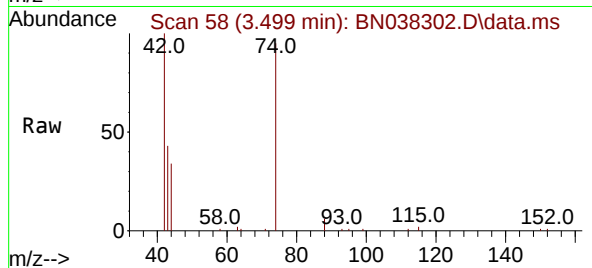




#3  
n-Nitrosodimethylamine  
Concen: 1.597 ng  
RT: 3.499 min Scan# 51  
Delta R.T. 0.000 min  
Lab File: BN038302.D  
Acq: 10 Dec 2025 12:17

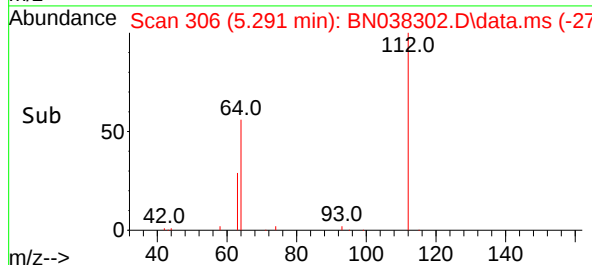
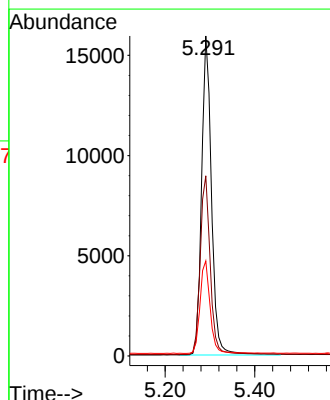
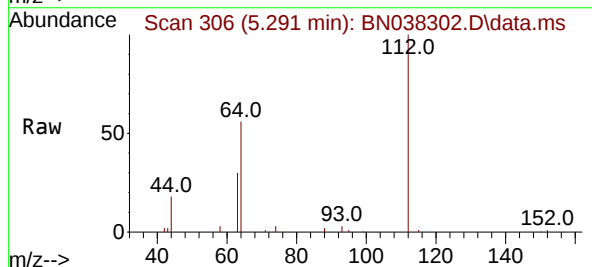
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC1.6

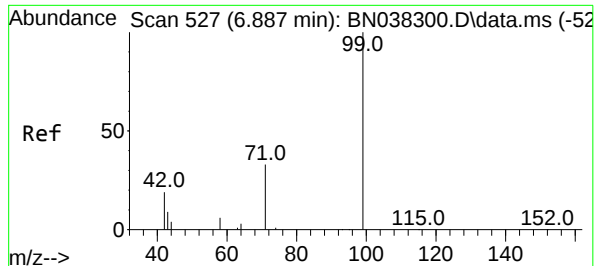
Tgt Ion: 42 Resp: 14375  
Ion Ratio Lower Upper  
42 100  
74 117.5 95.3 142.9  
44 6.5 7.9 11.9#



#4  
2-Fluorophenol  
Concen: 1.572 ng  
RT: 5.291 min Scan# 306  
Delta R.T. 0.000 min  
Lab File: BN038302.D  
Acq: 10 Dec 2025 12:17

Tgt Ion: 112 Resp: 24513  
Ion Ratio Lower Upper  
112 100  
64 56.8 44.4 66.6  
63 29.7 23.4 35.0

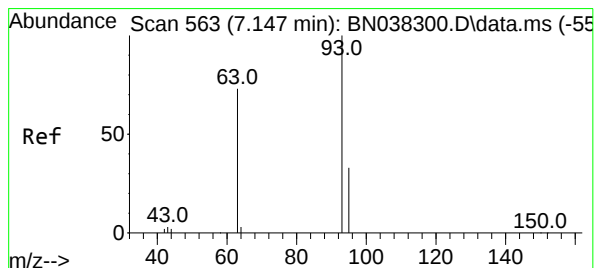
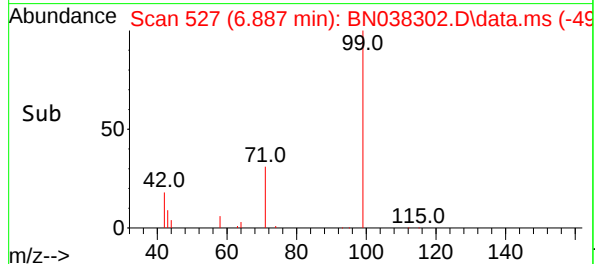
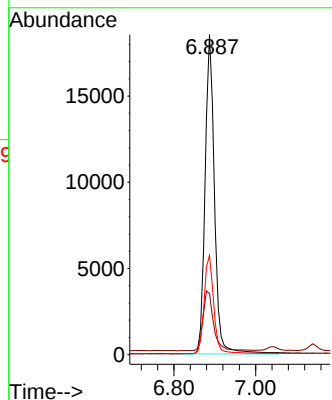
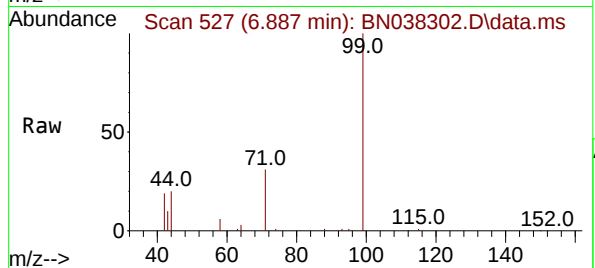




#5  
Phenol-d6  
Concen: 1.602 ng  
RT: 6.887 min Scan# 51  
Delta R.T. 0.000 min  
Lab File: BN038302.D  
Acq: 10 Dec 2025 12:17

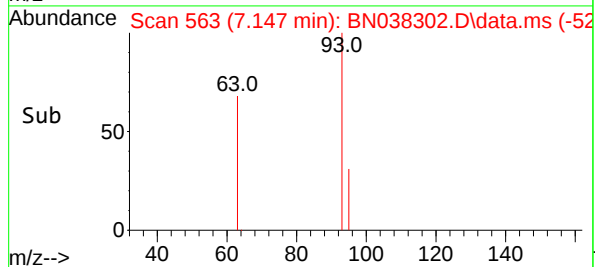
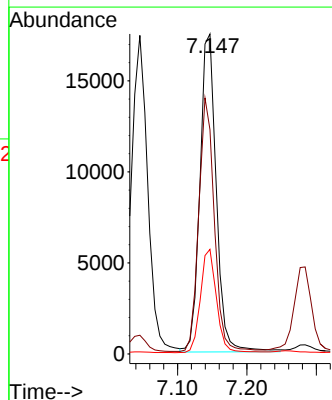
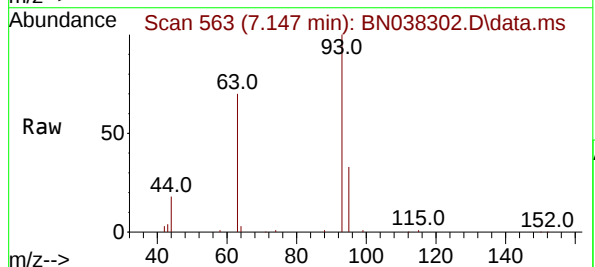
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC1.6

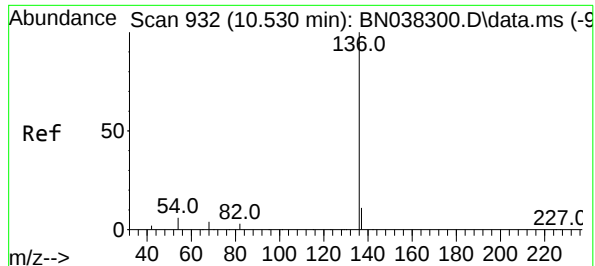
Tgt Ion: 99 Resp: 29702  
Ion Ratio Lower Upper  
99 100  
42 21.2 16.5 24.7  
71 31.6 24.9 37.3



#6  
bis(2-Chloroethyl)ether  
Concen: 1.580 ng  
RT: 7.147 min Scan# 563  
Delta R.T. 0.000 min  
Lab File: BN038302.D  
Acq: 10 Dec 2025 12:17

Tgt Ion: 93 Resp: 28668  
Ion Ratio Lower Upper  
93 100  
63 75.5 59.2 88.8  
95 31.9 25.2 37.8

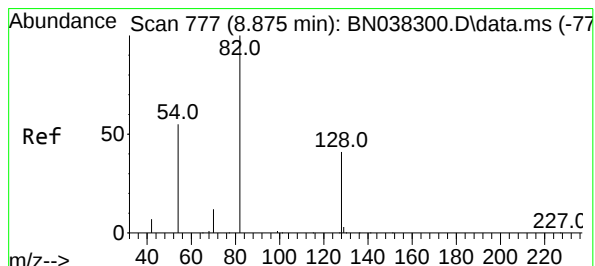
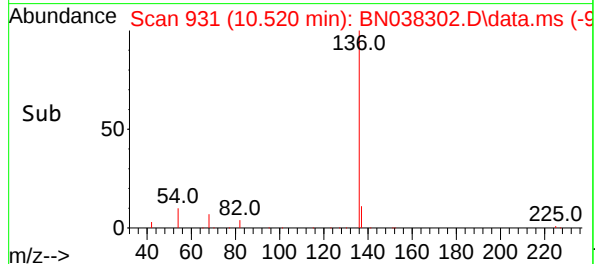
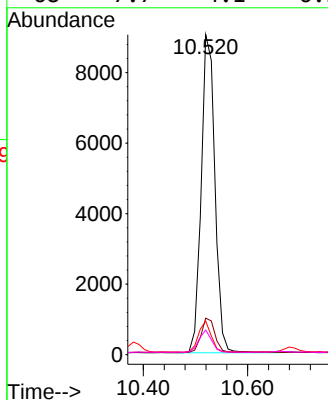
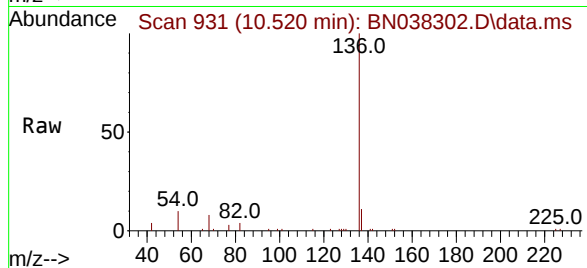




#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.520 min Scan# 91  
Delta R.T. -0.011 min  
Lab File: BN038302.D  
Acq: 10 Dec 2025 12:17

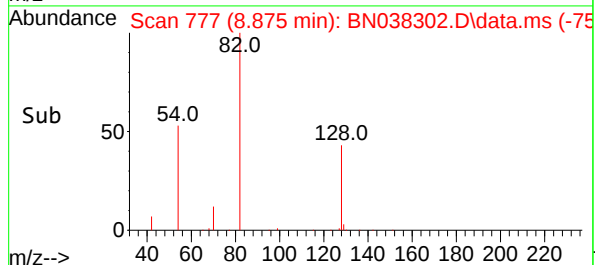
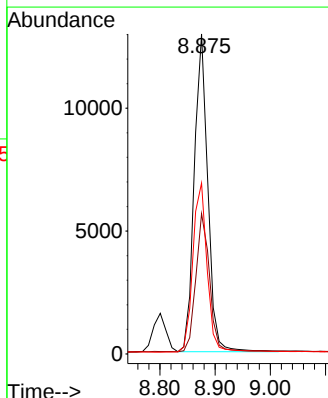
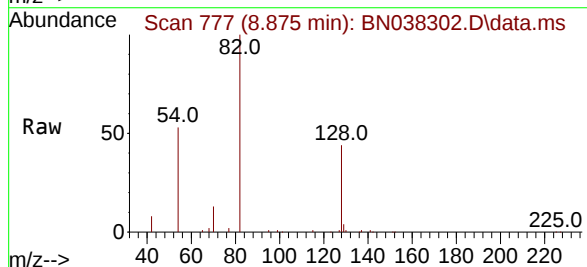
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC1.6

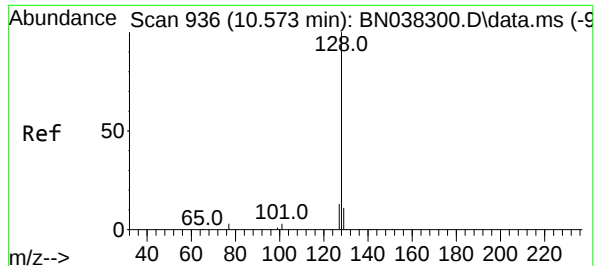
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 136   | Resp: | 16493 |
| Ion      | Ratio | Lower | Upper |
| 136      | 100   |       |       |
| 137      | 11.4  | 9.1   | 13.7  |
| 54       | 10.5  | 5.2   | 7.8#  |
| 68       | 7.7   | 4.1   | 6.1#  |



#8  
Nitrobenzene-d5  
Concen: 1.585 ng  
RT: 8.875 min Scan# 777  
Delta R.T. 0.000 min  
Lab File: BN038302.D  
Acq: 10 Dec 2025 12:17

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 82    | Resp: | 22047 |
| Ion      | Ratio | Lower | Upper |
| 82       | 100   |       |       |
| 128      | 43.9  | 34.0  | 51.0  |
| 54       | 53.4  | 44.4  | 66.6  |

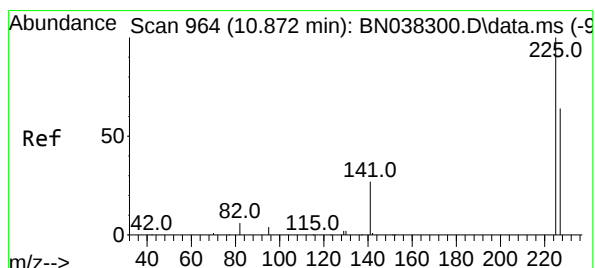
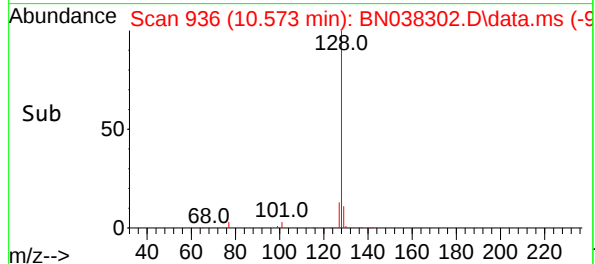
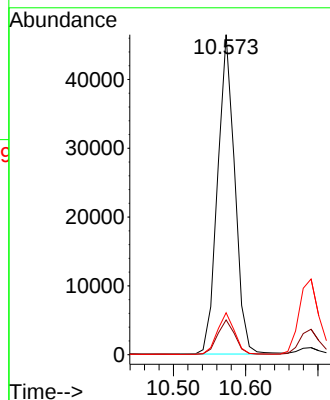
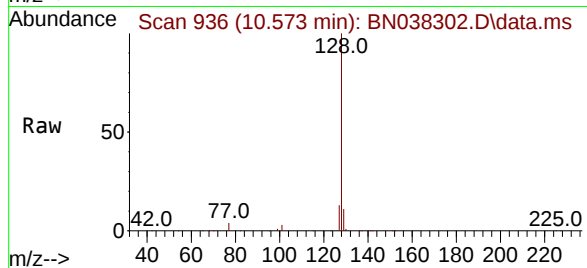




#9  
Naphthalene  
Concen: 1.568 ng  
RT: 10.573 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: BN038302.D  
Acq: 10 Dec 2025 12:17

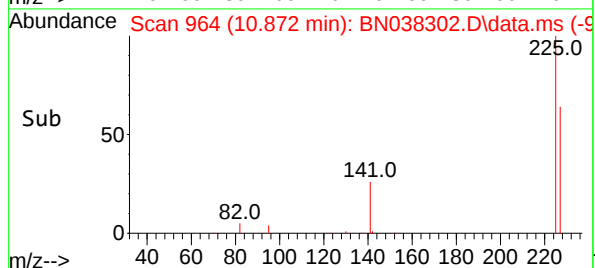
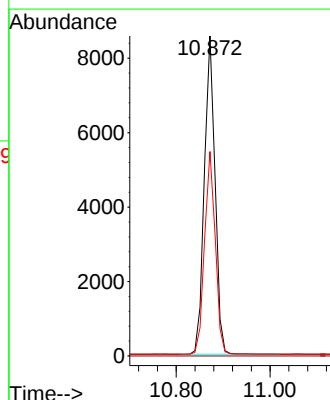
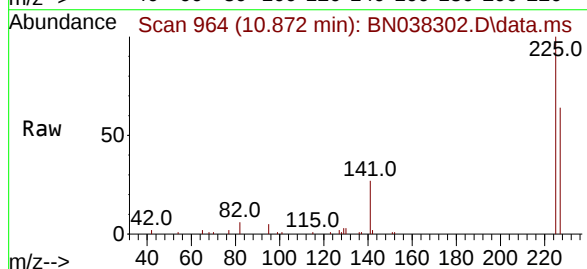
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC1.6

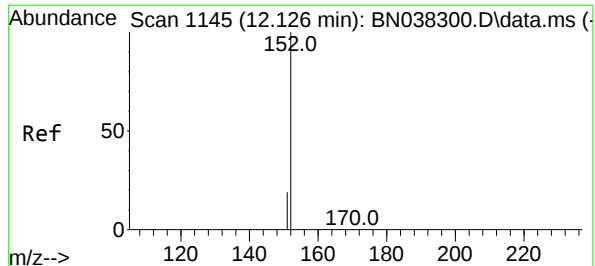
Tgt Ion:128 Resp: 76464  
Ion Ratio Lower Upper  
128 100  
129 10.8 9.1 13.7  
127 13.1 10.9 16.3



#10  
Hexachlorobutadiene  
Concen: 1.560 ng  
RT: 10.872 min Scan# 964  
Delta R.T. 0.000 min  
Lab File: BN038302.D  
Acq: 10 Dec 2025 12:17

Tgt Ion:225 Resp: 13520  
Ion Ratio Lower Upper  
225 100  
223 0.0 0.0 0.0  
227 64.0 51.2 76.8

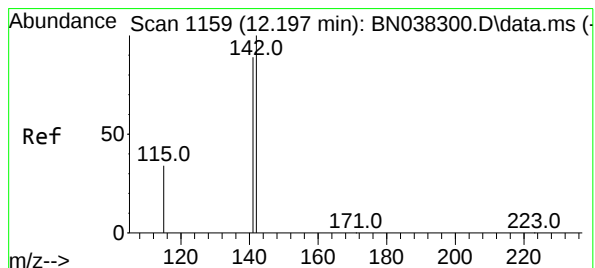
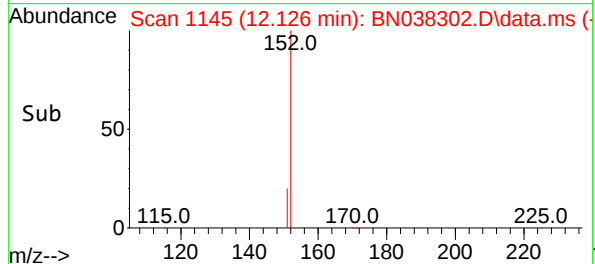
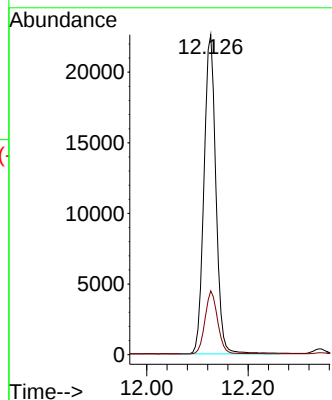
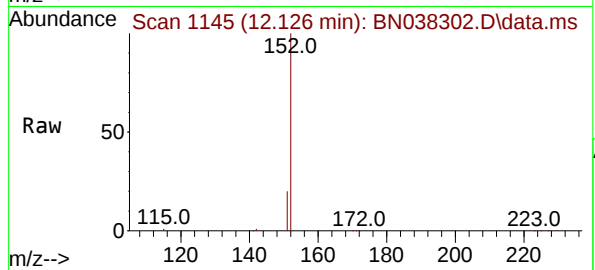




#11  
2-Methylnaphthalene-d10  
Concen: 1.586 ng  
RT: 12.126 min Scan# 1145  
Delta R.T. 0.000 min  
Lab File: BN038302.D  
Acq: 10 Dec 2025 12:17

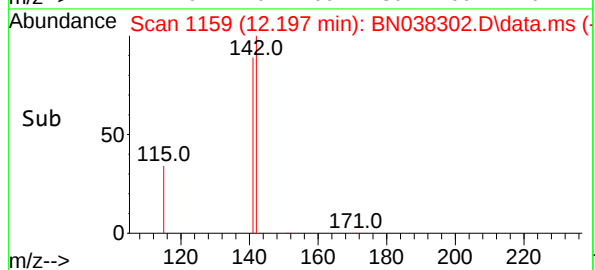
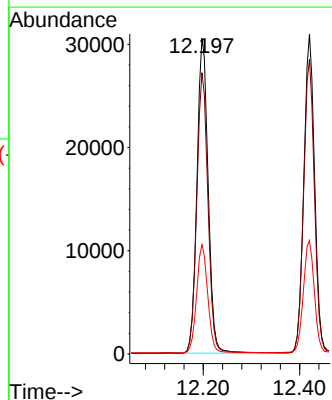
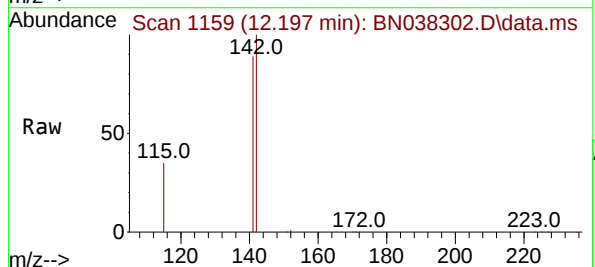
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC1.6

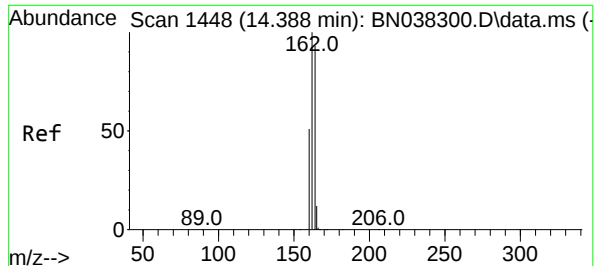
Tgt Ion:152 Resp: 36899  
Ion Ratio Lower Upper  
152 100  
151 20.9 17.0 25.6



#12  
2-Methylnaphthalene  
Concen: 1.592 ng  
RT: 12.197 min Scan# 1159  
Delta R.T. -0.005 min  
Lab File: BN038302.D  
Acq: 10 Dec 2025 12:17

Tgt Ion:142 Resp: 49274  
Ion Ratio Lower Upper  
142 100  
141 89.1 71.4 107.2  
115 34.6 28.4 42.6

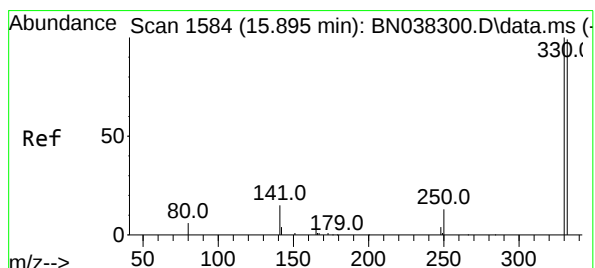
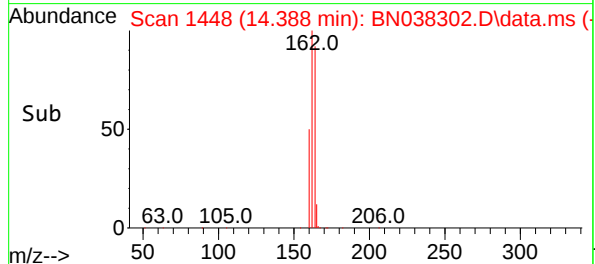
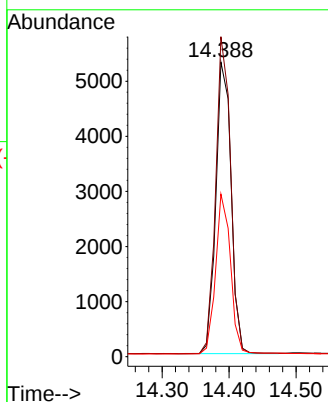
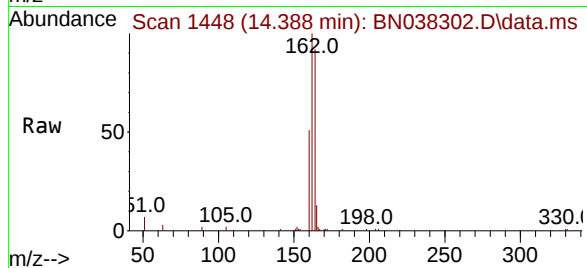




#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.388 min Scan# 1448  
Delta R.T. -0.011 min  
Lab File: BN038302.D  
Acq: 10 Dec 2025 12:17

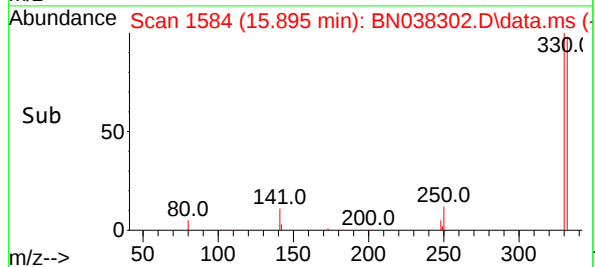
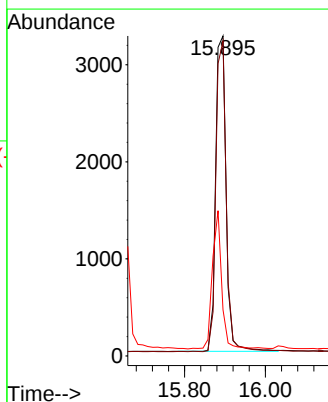
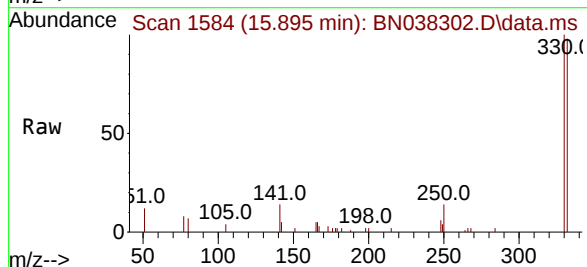
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC1.6

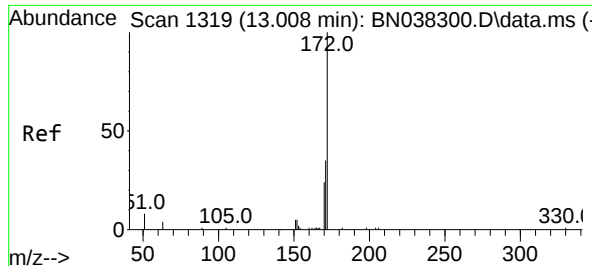
Tgt Ion:164 Resp: 8387  
Ion Ratio Lower Upper  
164 100  
162 108.7 86.2 129.4  
160 55.2 44.6 67.0



#14  
2,4,6-Tribromophenol  
Concen: 1.575 ng  
RT: 15.895 min Scan# 1584  
Delta R.T. 0.000 min  
Lab File: BN038302.D  
Acq: 10 Dec 2025 12:17

Tgt Ion:330 Resp: 5860  
Ion Ratio Lower Upper  
330 100  
332 96.9 75.8 113.6  
141 39.0 31.8 47.8

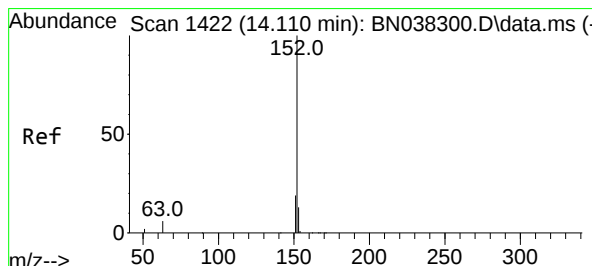
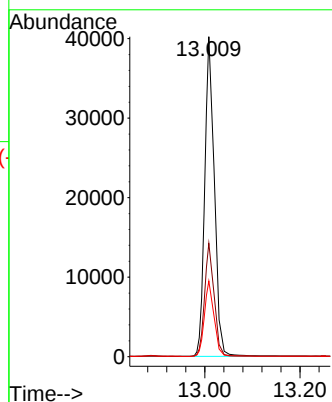
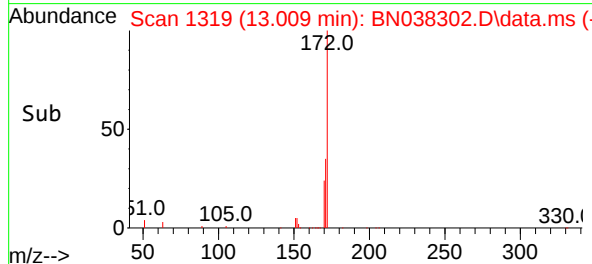
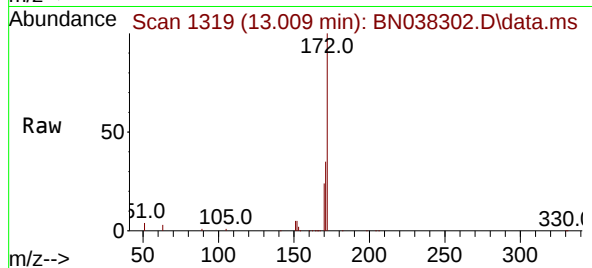




#15  
2-Fluorobiphenyl  
Concen: 1.556 ng  
RT: 13.009 min Scan# 1319  
Delta R.T. 0.000 min  
Lab File: BN038302.D  
Acq: 10 Dec 2025 12:17

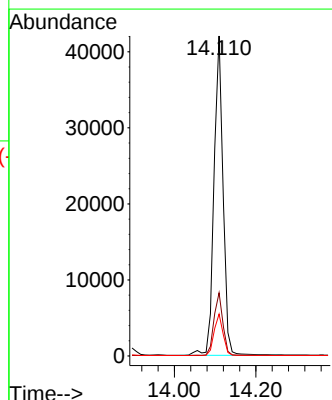
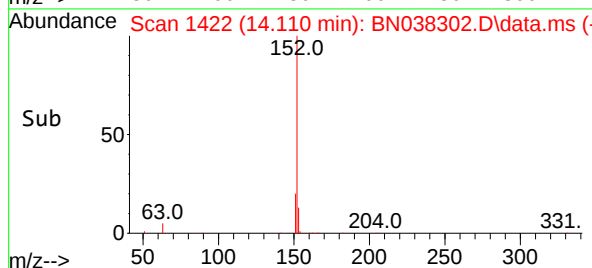
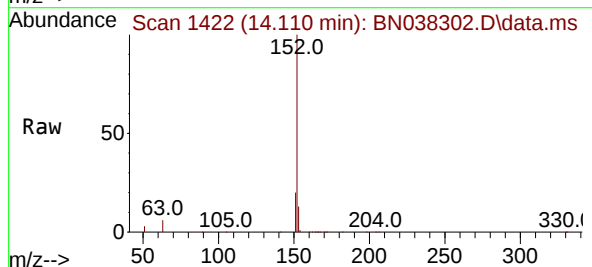
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC1.6

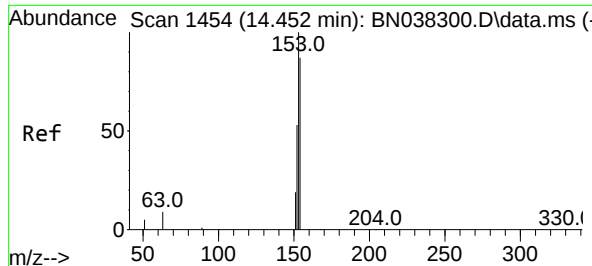
Tgt Ion:172 Resp: 62872  
Ion Ratio Lower Upper  
172 100  
171 35.5 28.6 42.8  
170 23.6 19.3 28.9



#16  
Acenaphthylene  
Concen: 1.572 ng  
RT: 14.110 min Scan# 1422  
Delta R.T. 0.000 min  
Lab File: BN038302.D  
Acq: 10 Dec 2025 12:17

Tgt Ion:152 Resp: 64734  
Ion Ratio Lower Upper  
152 100  
151 19.4 15.4 23.2  
153 13.0 10.2 15.4

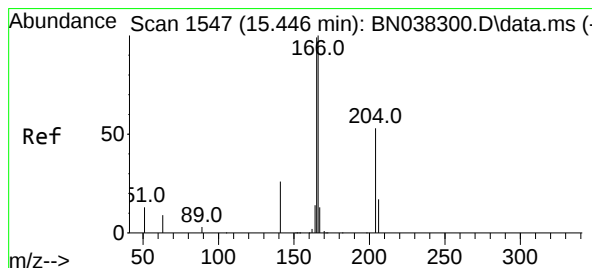
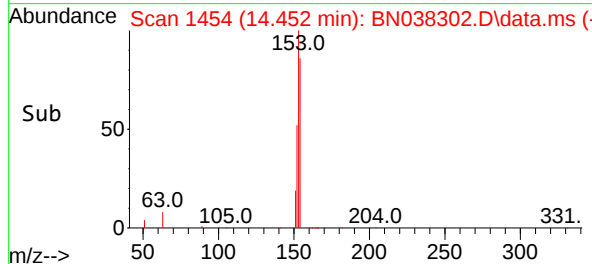
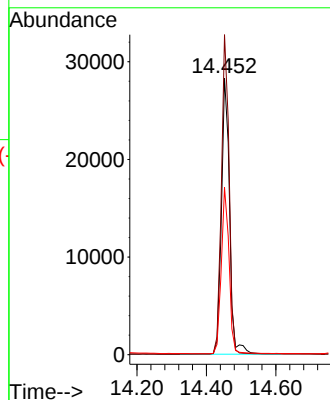
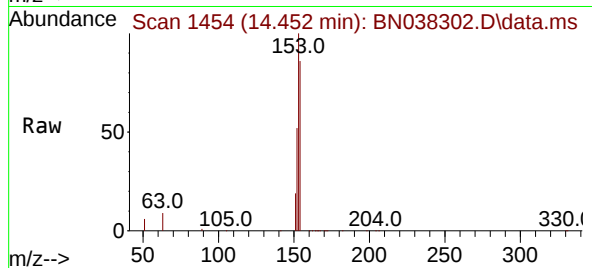




#17  
Acenaphthene  
Concen: 1.587 ng  
RT: 14.452 min Scan# 1454  
Delta R.T. -0.011 min  
Lab File: BN038302.D  
Acq: 10 Dec 2025 12:17

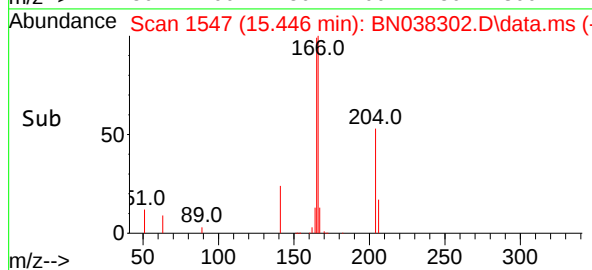
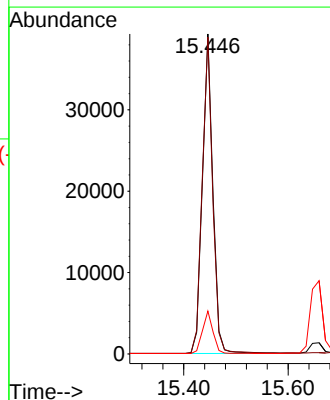
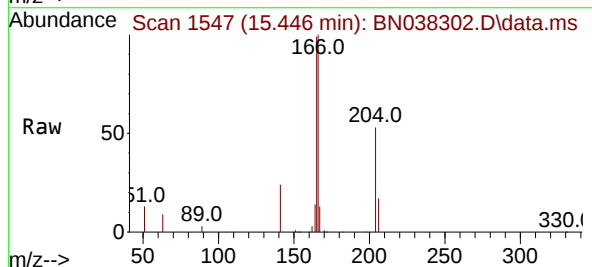
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC1.6

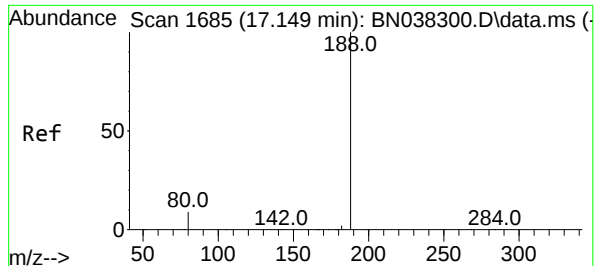
| Tgt Ion   | 154   | 153   | 152  |
|-----------|-------|-------|------|
| Resp:     | 45547 | 110.1 | 57.9 |
| Ion Ratio | 100   | 89.8  | 47.5 |
| Lower     |       |       |      |
| Upper     |       | 134.8 | 71.3 |



#18  
Fluorene  
Concen: 1.570 ng  
RT: 15.446 min Scan# 1547  
Delta R.T. 0.000 min  
Lab File: BN038302.D  
Acq: 10 Dec 2025 12:17

| Tgt Ion   | 166   | 165   | 167  |
|-----------|-------|-------|------|
| Resp:     | 57951 | 98.8  | 13.2 |
| Ion Ratio | 100   | 80.2  | 10.6 |
| Lower     |       |       |      |
| Upper     |       | 120.4 | 16.0 |





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.149 min Scan# 1

Delta R.T. 0.000 min

Lab File: BN038302.D

Acq: 10 Dec 2025 12:17

Instrument :

BNA\_N

ClientSampleId :

SSTDICC1.6

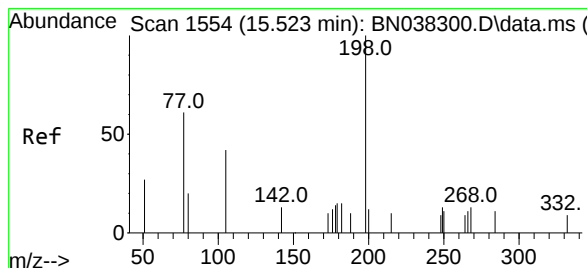
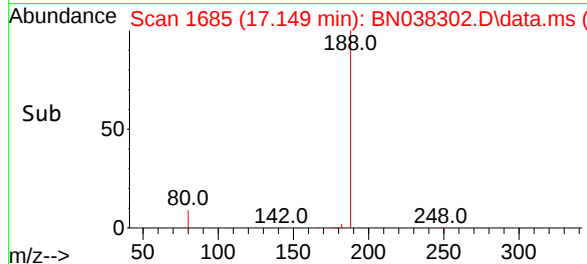
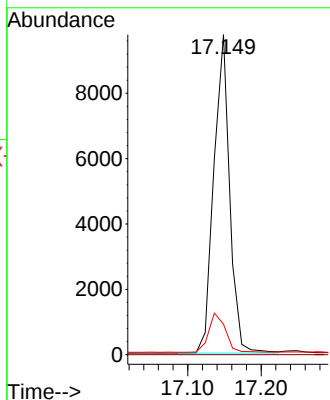
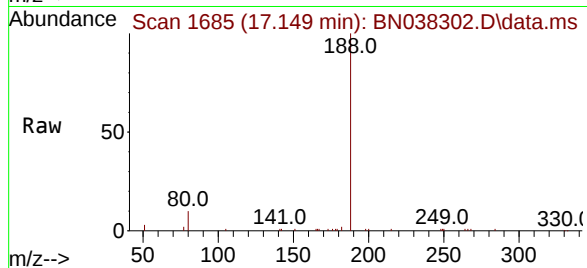
Tgt Ion:188 Resp: 14601

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 9.5 7.4 11.0



#20

4,6-Dinitro-2-methylphenol

Concen: 1.687 ng

RT: 15.523 min Scan# 1554

Delta R.T. 0.001 min

Lab File: BN038302.D

Acq: 10 Dec 2025 12:17

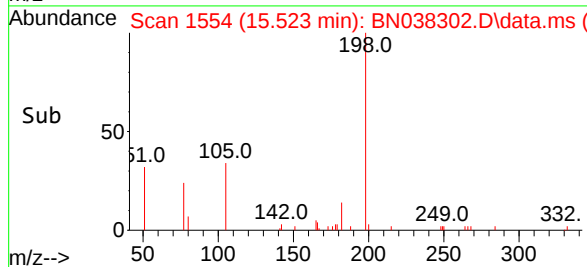
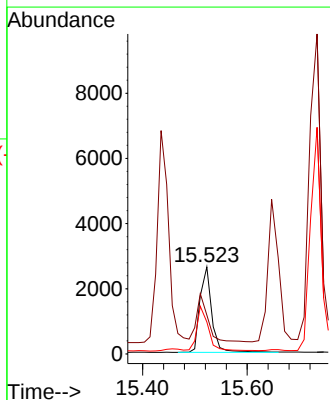
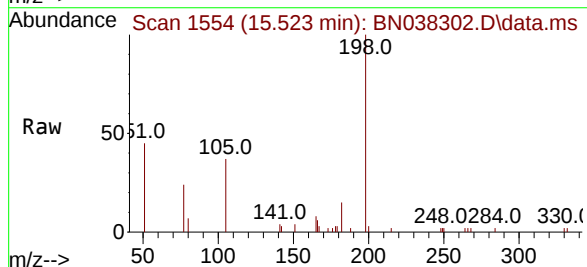
Tgt Ion:198 Resp: 4052

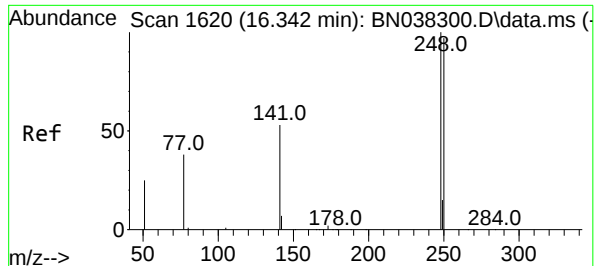
Ion Ratio Lower Upper

198 100

51 44.6 86.3 129.5#

105 36.8 45.3 67.9#

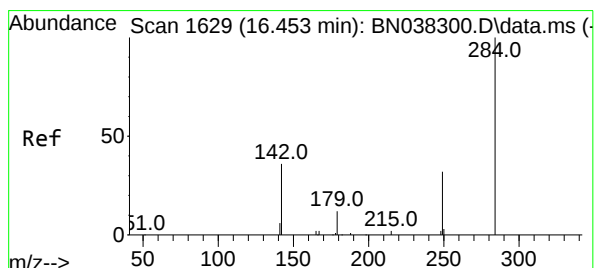
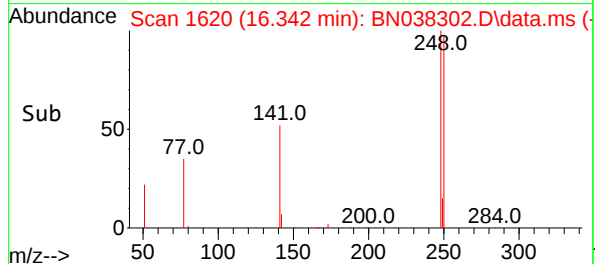
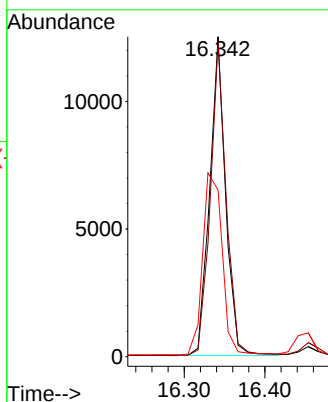
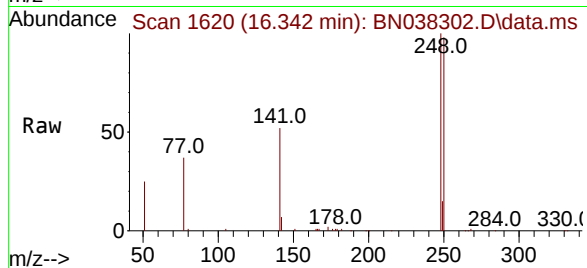




#21  
4-Bromophenyl-phenylether  
Concen: 1.578 ng  
RT: 16.342 min Scan# 1620  
Delta R.T. -0.000 min  
Lab File: BN038302.D  
Acq: 10 Dec 2025 12:17

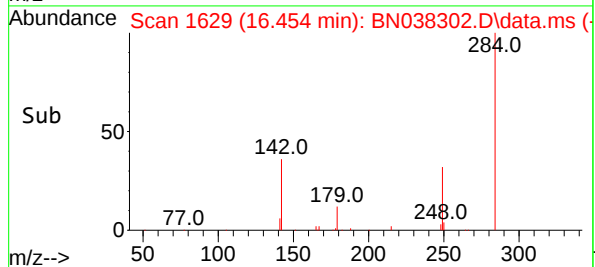
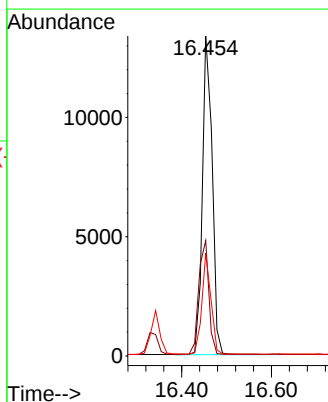
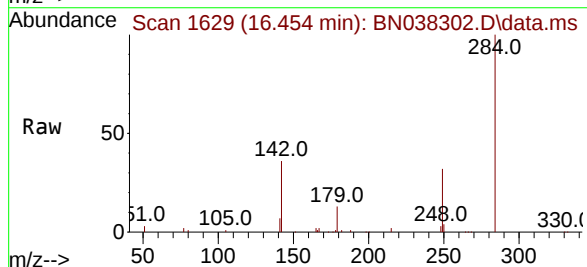
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC1.6

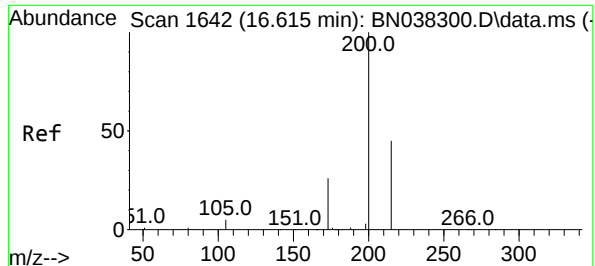
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 248     | 100   |       |       |
| 250     | 98.1  | 78.2  | 117.2 |
| 141     | 52.1  | 43.7  | 65.5  |



#22  
Hexachlorobenzene  
Concen: 1.555 ng  
RT: 16.454 min Scan# 1629  
Delta R.T. -0.012 min  
Lab File: BN038302.D  
Acq: 10 Dec 2025 12:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 284     | 100   |       |       |
| 142     | 37.1  | 29.5  | 44.3  |
| 249     | 29.5  | 23.7  | 35.5  |

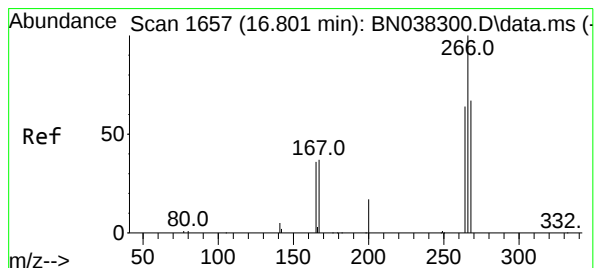
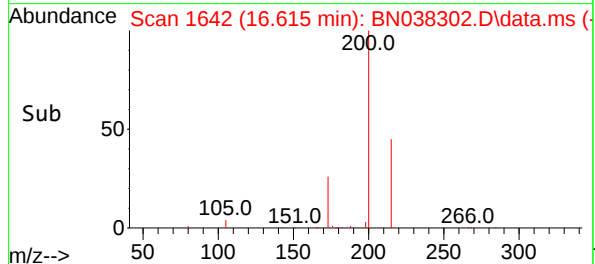
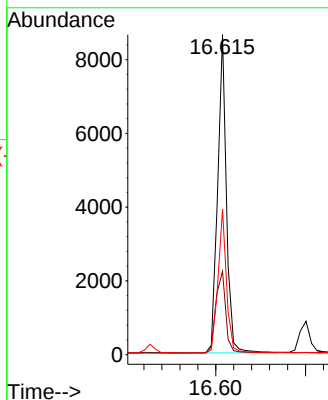
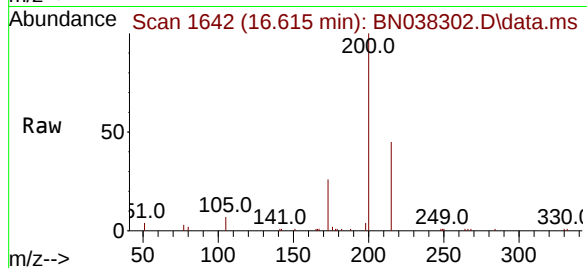




#23  
Atrazine  
Concen: 1.579 ng  
RT: 16.615 min Scan# 1642  
Delta R.T. 0.000 min  
Lab File: BN038302.D  
Acq: 10 Dec 2025 12:17

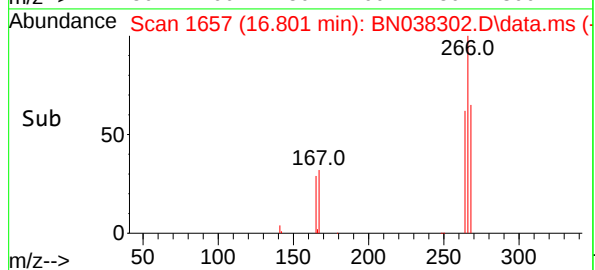
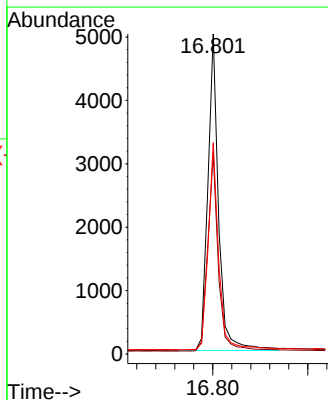
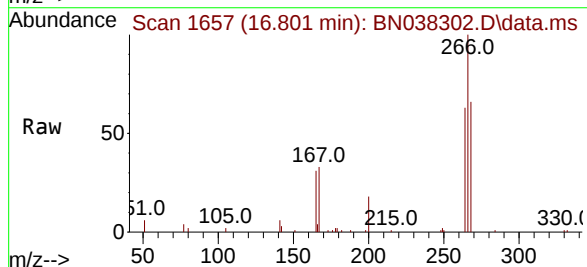
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC1.6

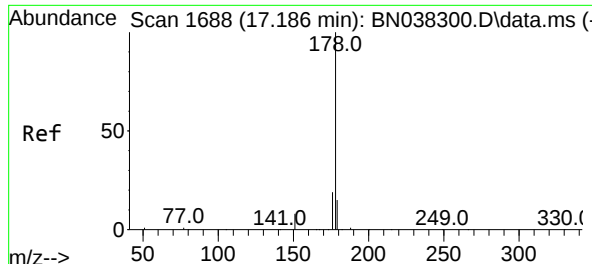
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 200     | 100   |       |       |
| 173     | 26.1  | 22.1  | 33.1  |
| 215     | 45.4  | 37.4  | 56.2  |



#24  
Pentachlorophenol  
Concen: 1.541 ng  
RT: 16.801 min Scan# 1657  
Delta R.T. 0.000 min  
Lab File: BN038302.D  
Acq: 10 Dec 2025 12:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 264     | 62.6  | 50.2  | 75.2  |
| 268     | 64.7  | 52.6  | 78.8  |

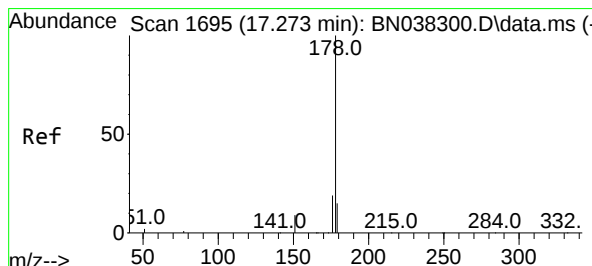
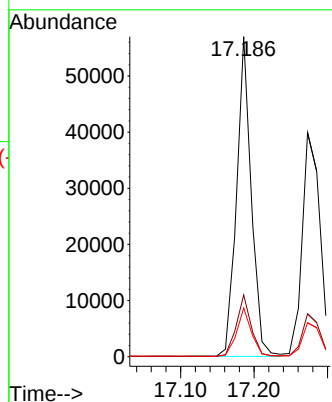
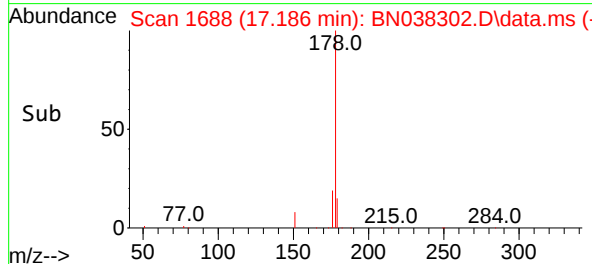
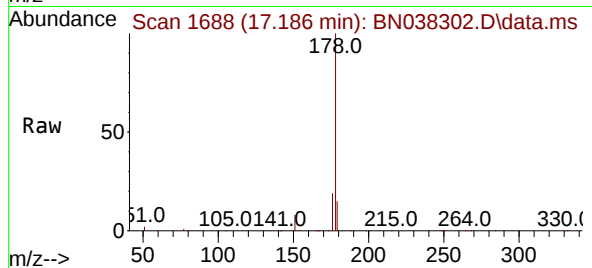




#25  
Phenanthrene  
Concen: 1.555 ng  
RT: 17.186 min Scan# 1688  
Delta R.T. 0.000 min  
Lab File: BN038302.D  
Acq: 10 Dec 2025 12:17

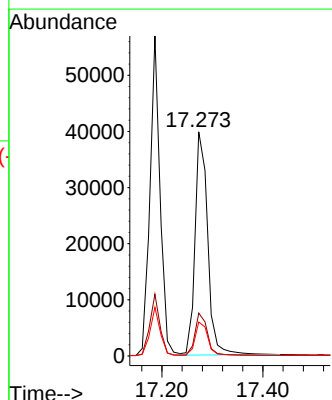
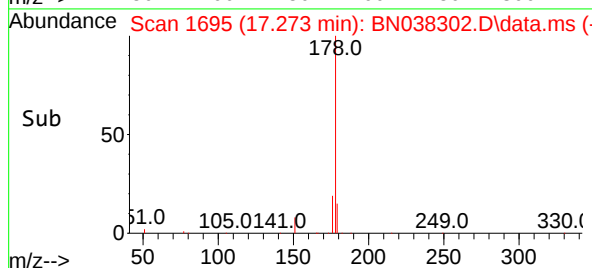
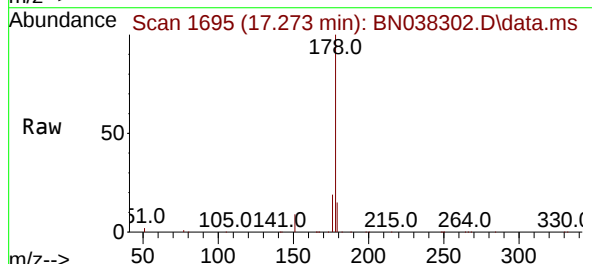
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BNA\_N  
ClientSampleId :  
SSTDICC1.6

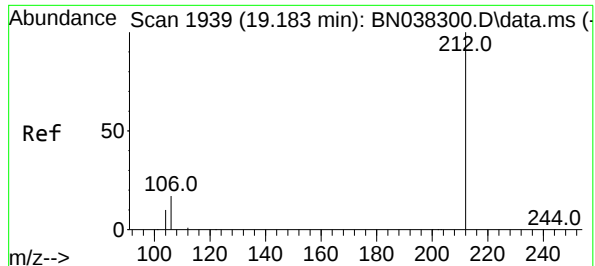
Tgt Ion:178 Resp: 79019  
Ion Ratio Lower Upper  
178 100  
176 19.3 15.5 23.3  
179 15.2 12.2 18.2



#26  
Anthracene  
Concen: 1.589 ng  
RT: 17.273 min Scan# 1695  
Delta R.T. -0.012 min  
Lab File: BN038302.D  
Acq: 10 Dec 2025 12:17

Tgt Ion:178 Resp: 69628  
Ion Ratio Lower Upper  
178 100  
176 18.7 15.1 22.7  
179 15.2 12.0 18.0





#27

Fluoranthene-d10

Concen: 1.591 ng

RT: 19.183 min Scan# 1939

Delta R.T. -0.004 min

Lab File: BN038302.D

Acq: 10 Dec 2025 12:17

Instrument :

BNA\_N

ClientSampleId :

SSTDICC1.6

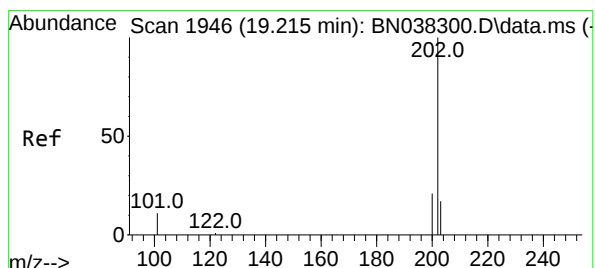
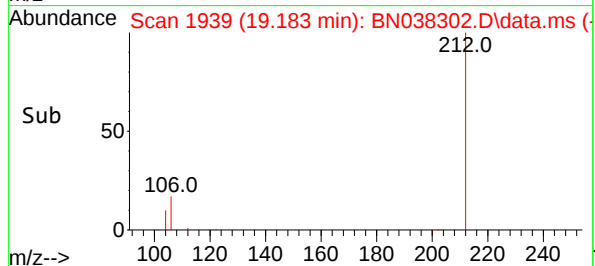
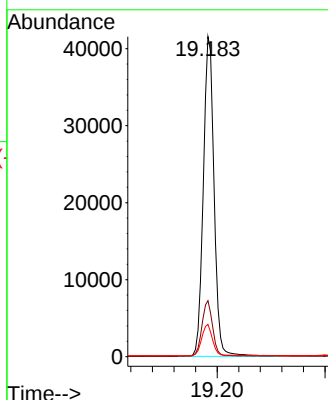
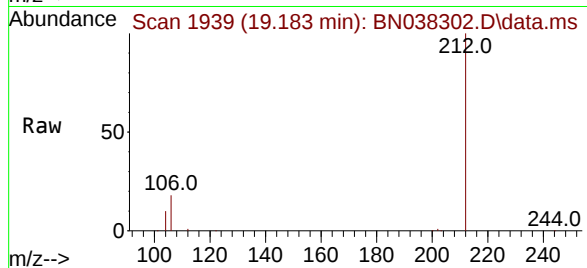
Tgt Ion:212 Resp: 57448

Ion Ratio Lower Upper

212 100

106 17.1 13.7 20.5

104 9.9 7.8 11.8



#28

Fluoranthene

Concen: 1.593 ng

RT: 19.211 min Scan# 1945

Delta R.T. -0.009 min

Lab File: BN038302.D

Acq: 10 Dec 2025 12:17

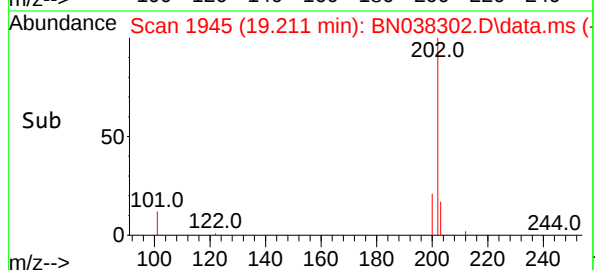
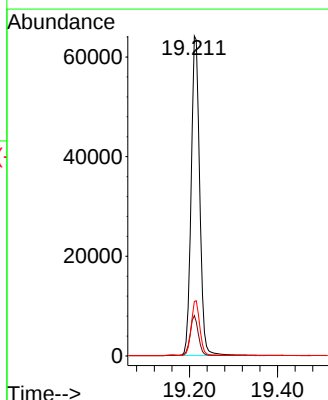
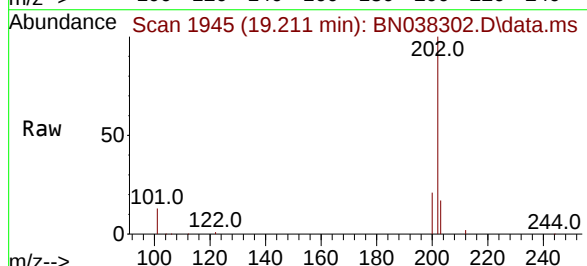
Tgt Ion:202 Resp: 86039

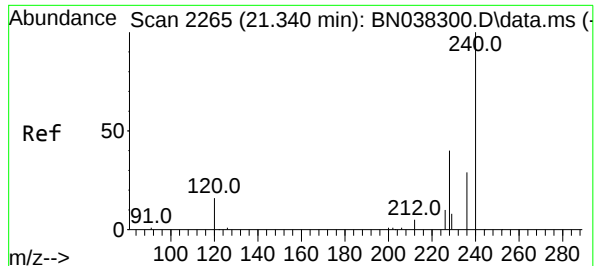
Ion Ratio Lower Upper

202 100

101 12.4 9.6 14.4

203 17.0 13.5 20.3





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.340 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN038302.D

Acq: 10 Dec 2025 12:17

Instrument :

BNA\_N

ClientSampleId :

SSTDICC1.6

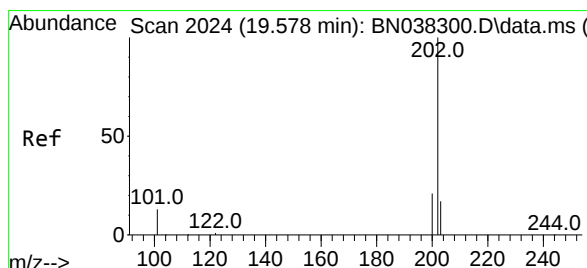
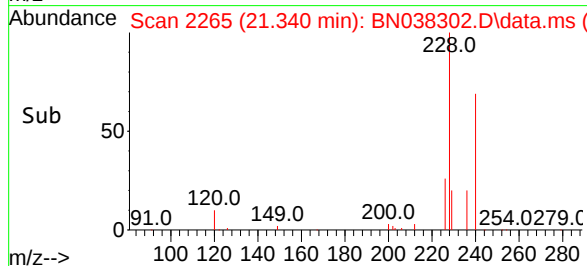
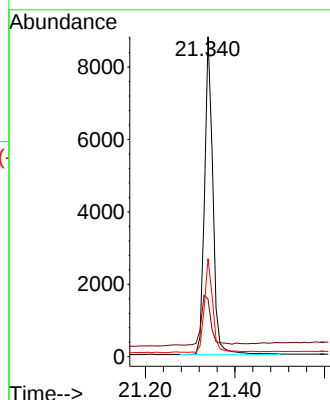
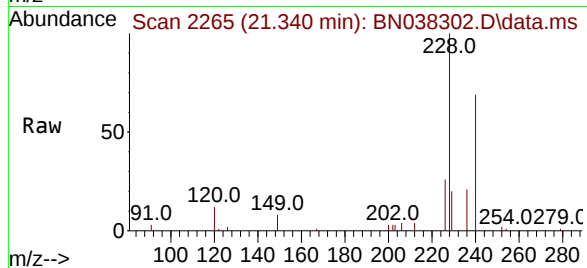
Tgt Ion:240 Resp: 11383

Ion Ratio Lower Upper

240 100

120 18.0 15.4 23.2

236 30.6 23.9 35.9



#30

Pyrene

Concen: 1.535 ng

RT: 19.578 min Scan# 2024

Delta R.T. -0.004 min

Lab File: BN038302.D

Acq: 10 Dec 2025 12:17

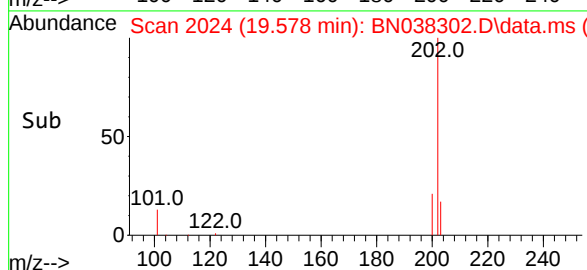
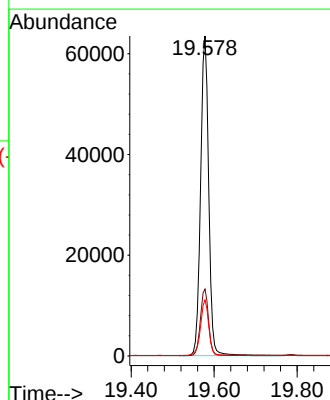
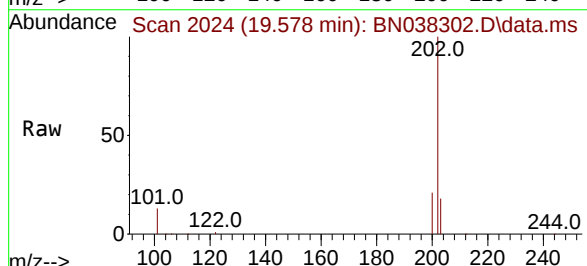
Tgt Ion:202 Resp: 86035

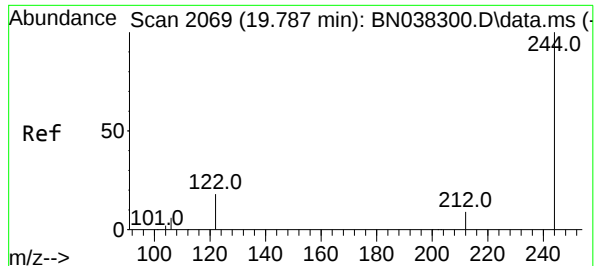
Ion Ratio Lower Upper

202 100

200 21.1 16.9 25.3

203 17.8 14.2 21.2





#31

Terphenyl-d14

Concen: 1.547 ng

RT: 19.787 min Scan# 2069

Delta R.T. -0.004 min

Lab File: BN038302.D

Acq: 10 Dec 2025 12:17

Instrument :

BNA\_N

ClientSampleId :

SSTDICC1.6

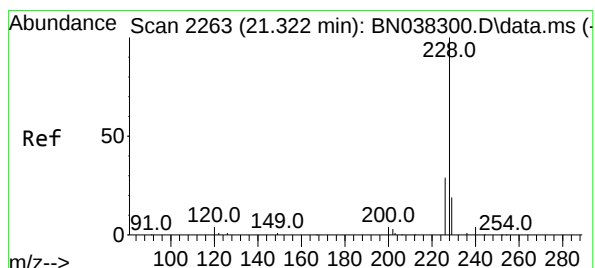
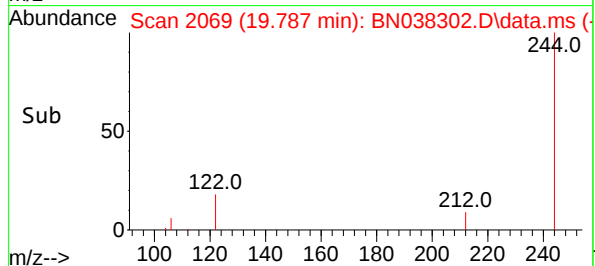
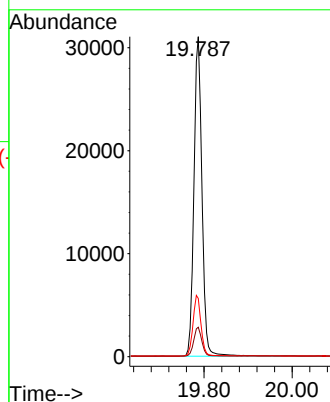
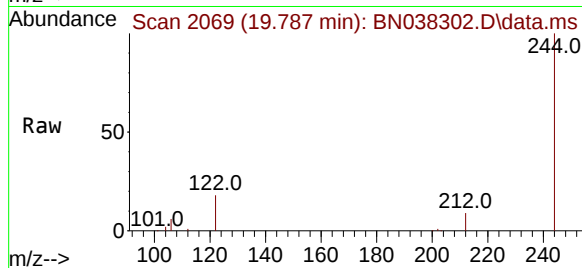
Tgt Ion:244 Resp: 39298

Ion Ratio Lower Upper

244 100

212 9.2 7.9 11.9

122 18.2 15.0 22.6



#32

Benzo(a)anthracene

Concen: 1.567 ng

RT: 21.322 min Scan# 2263

Delta R.T. -0.009 min

Lab File: BN038302.D

Acq: 10 Dec 2025 12:17

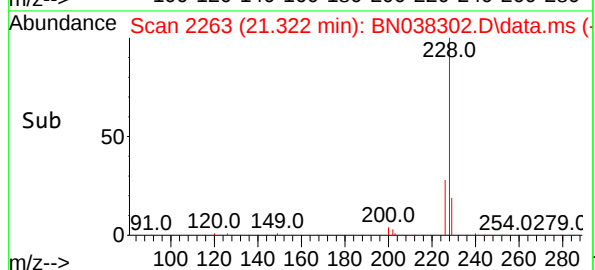
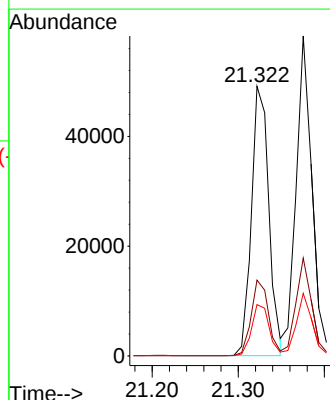
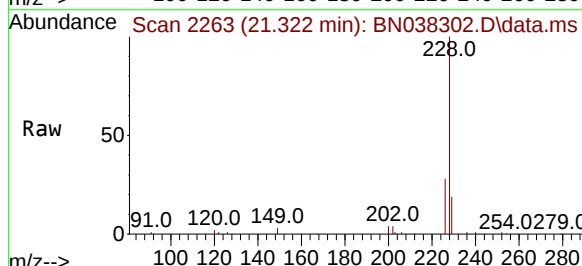
Tgt Ion:228 Resp: 68895

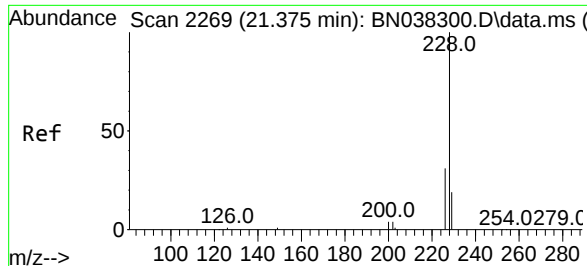
Ion Ratio Lower Upper

228 100

226 28.1 23.3 34.9

229 19.1 15.7 23.5





#33

Chrysene

Concen: 1.574 ng

RT: 21.375 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN038302.D

Acq: 10 Dec 2025 12:17

Instrument :

BNA\_N

ClientSampleId :

SSTDICC1.6

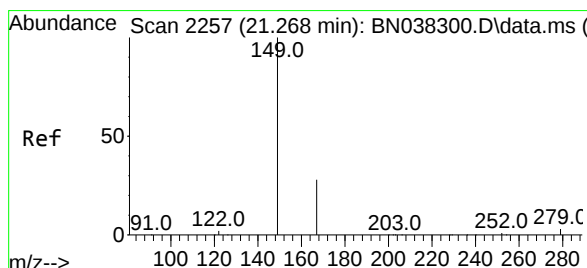
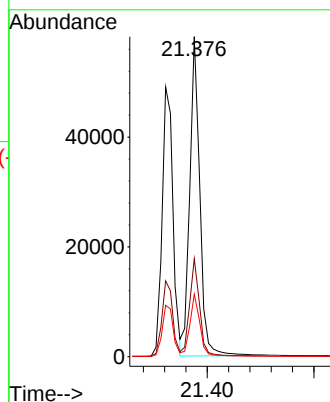
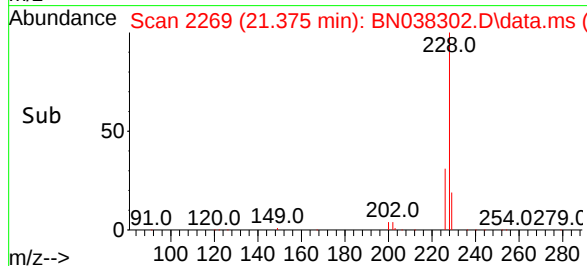
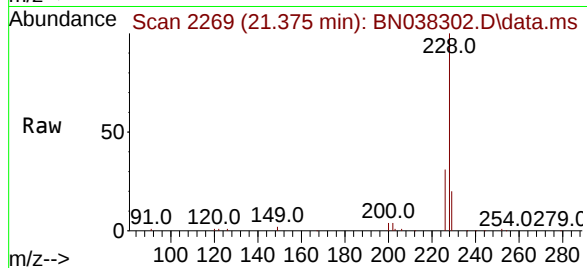
Tgt Ion:228 Resp: 76200

Ion Ratio Lower Upper

228 100

226 30.6 25.0 37.4

229 19.6 15.5 23.3



#34

Bis(2-ethylhexyl)phthalate

Concen: 1.423 ng

RT: 21.268 min Scan# 2257

Delta R.T. 0.000 min

Lab File: BN038302.D

Acq: 10 Dec 2025 12:17

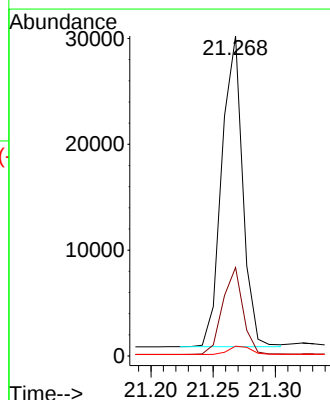
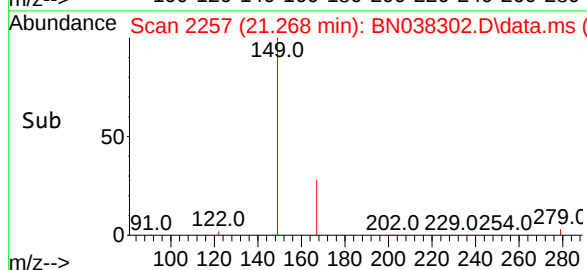
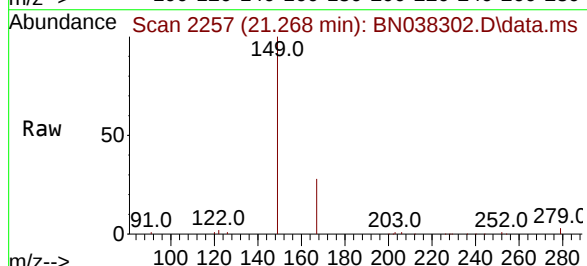
Tgt Ion:149 Resp: 34320

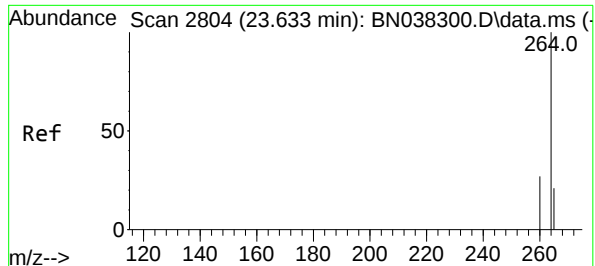
Ion Ratio Lower Upper

149 100

167 27.2 21.4 32.0

279 3.0 2.4 3.6





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.630 min Scan# 21

Delta R.T. -0.003 min

Lab File: BN038302.D

Acq: 10 Dec 2025 12:17

Instrument :

BNA\_N

ClientSampleId :

SSTDICC1.6

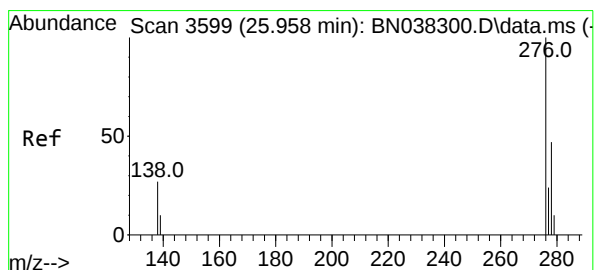
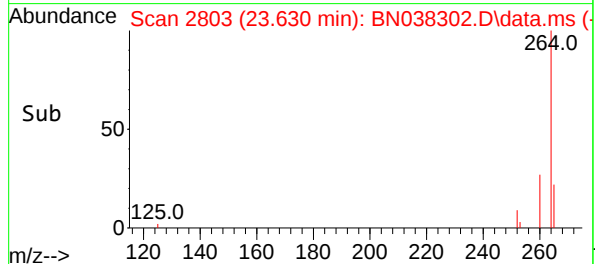
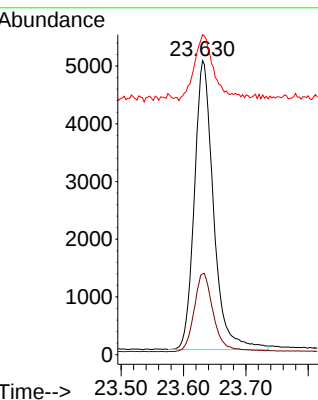
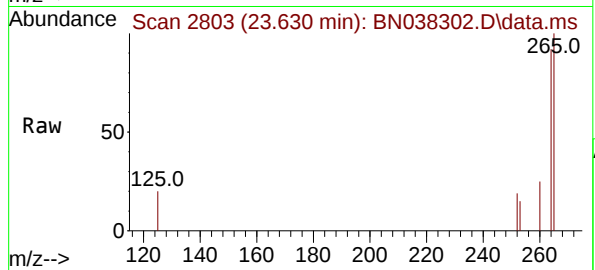
Tgt Ion:264 Resp: 10679

Ion Ratio Lower Upper

264 100

260 27.5 22.2 33.2

265 108.8 80.2 120.2



#36

Indeno(1,2,3-cd)pyrene

Concen: 1.595 ng

RT: 25.955 min Scan# 3598

Delta R.T. -0.009 min

Lab File: BN038302.D

Acq: 10 Dec 2025 12:17

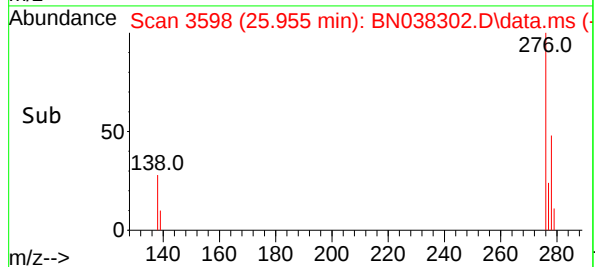
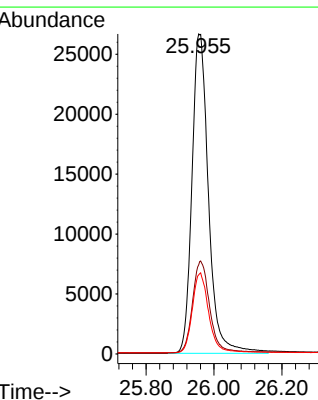
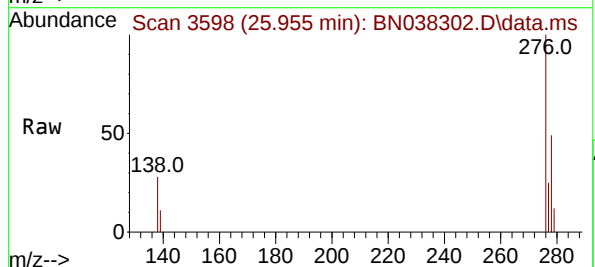
Tgt Ion:276 Resp: 90364

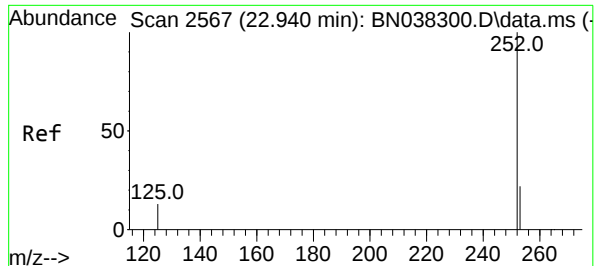
Ion Ratio Lower Upper

276 100

138 29.6 23.6 35.4

277 24.6 19.7 29.5





#37

Benzo(b)fluoranthene

Concen: 1.591 ng

RT: 22.940 min Scan# 2567

Delta R.T. -0.006 min

Lab File: BN038302.D

Acq: 10 Dec 2025 12:17

Instrument :

BNA\_N

ClientSampleId :

SSTDICC1.6

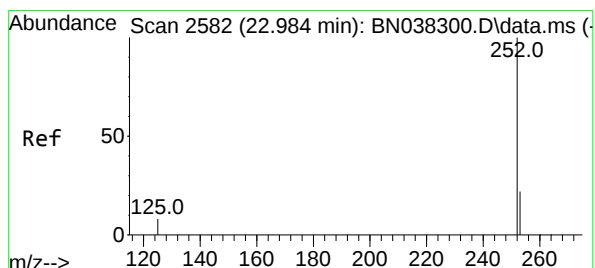
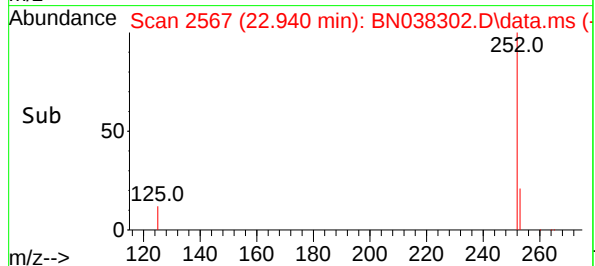
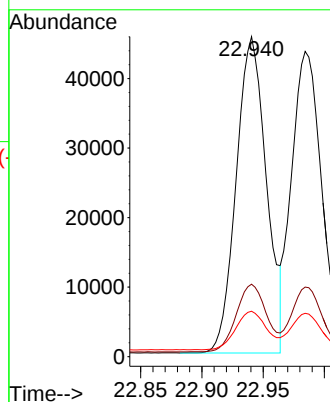
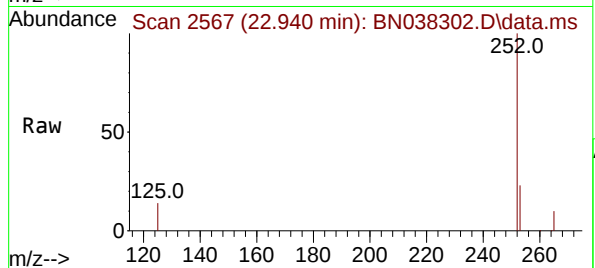
Tgt Ion:252 Resp: 78044

Ion Ratio Lower Upper

252 100

253 22.7 21.1 31.7

125 14.2 16.4 24.6#



#38

Benzo(k)fluoranthene

Concen: 1.593 ng

RT: 22.984 min Scan# 2582

Delta R.T. -0.006 min

Lab File: BN038302.D

Acq: 10 Dec 2025 12:17

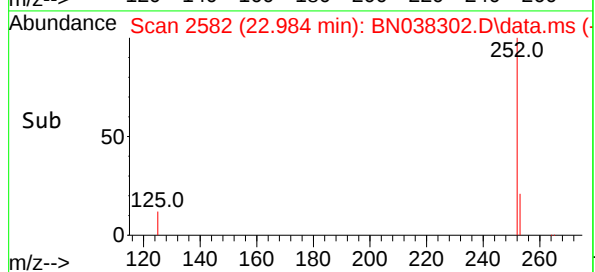
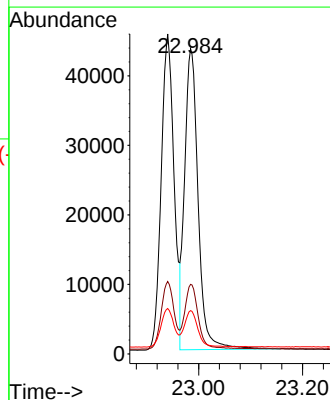
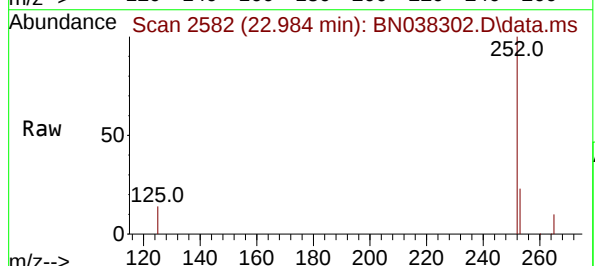
Tgt Ion:252 Resp: 77879

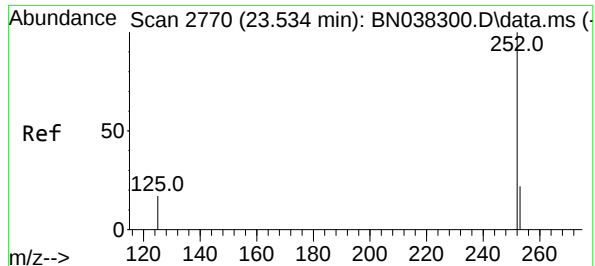
Ion Ratio Lower Upper

252 100

253 22.8 21.4 32.0

125 14.2 16.2 24.2#





#39

Benzo(a)pyrene

Concen: 1.574 ng

RT: 23.531 min Scan# 21

Delta R.T. -0.003 min

Lab File: BN038302.D

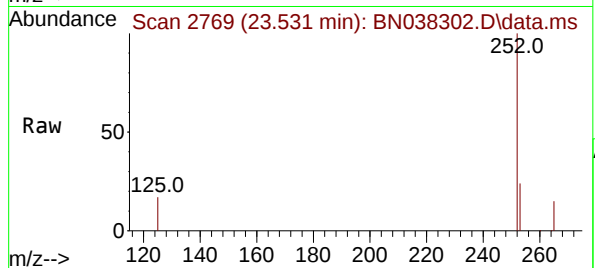
Acq: 10 Dec 2025 12:17

Instrument :

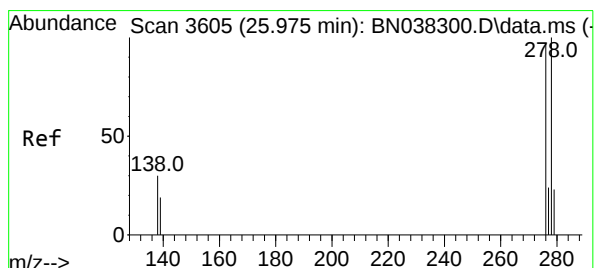
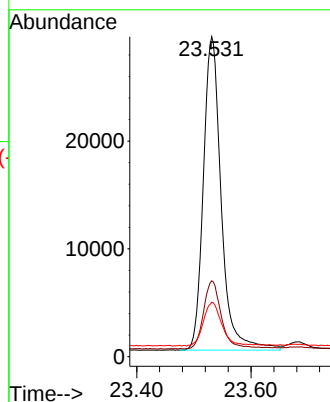
BNA\_N

ClientSampleId :

SSTDICC1.6



|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 63182 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 23.7  | 23.3  | 34.9  |
| 125       | 17.0  | 22.4  | 33.6  |



#40

Dibenzo(a,h)anthracene

Concen: 1.614 ng

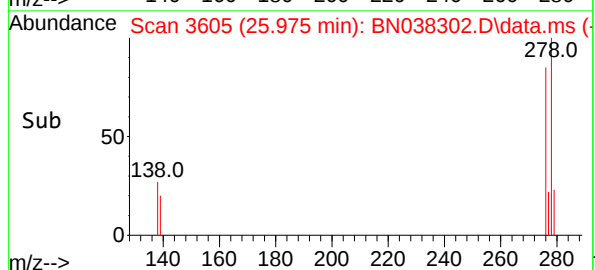
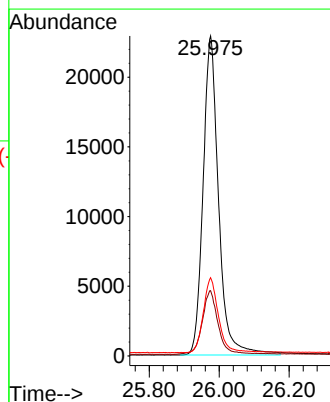
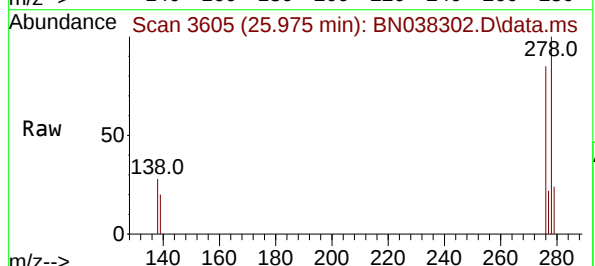
RT: 25.975 min Scan# 3605

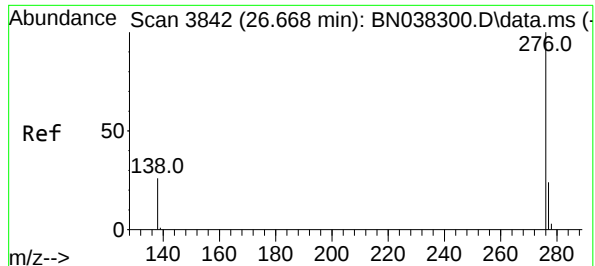
Delta R.T. -0.006 min

Lab File: BN038302.D

Acq: 10 Dec 2025 12:17

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 278   | Resp: | 70529 |
| Ion Ratio | Lower | Upper |       |
| 278       | 100   |       |       |
| 139       | 20.4  | 17.8  | 26.8  |
| 279       | 24.5  | 21.3  | 31.9  |





#41

Benzo(g,h,i)perylene

Concen: 1.590 ng

RT: 26.665 min Scan# 3841

Delta R.T. -0.012 min

Lab File: BN038302.D

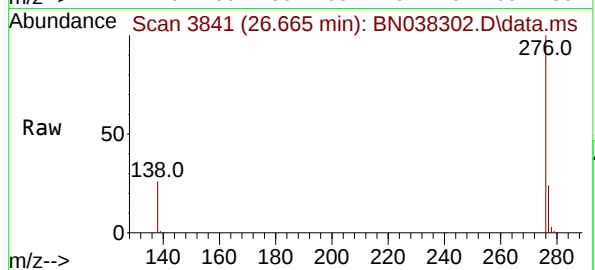
Acq: 10 Dec 2025 12:17

Instrument :

BNA\_N

ClientSampleId :

SSTDICC1.6



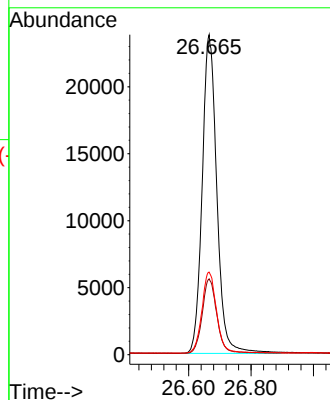
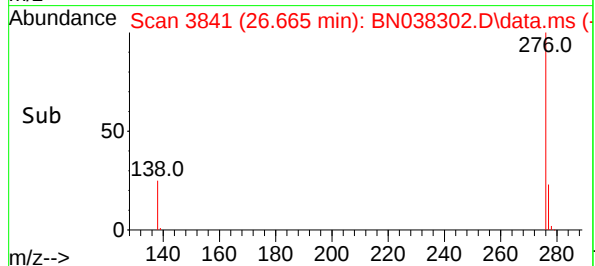
Tgt Ion:276 Resp: 77643

Ion Ratio Lower Upper

276 100

277 23.7 20.0 30.0

138 25.8 21.8 32.6



Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN121025\  
 Data File : BN038303.D  
 Acq On : 10 Dec 2025 12:53  
 Operator : RC/JU  
 Sample : SSTDICC3.2  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTDICC3.2

Quant Time: Dec 10 14:00:33 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN121025.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 10 13:56:50 2025  
 Response via : Initial Calibration

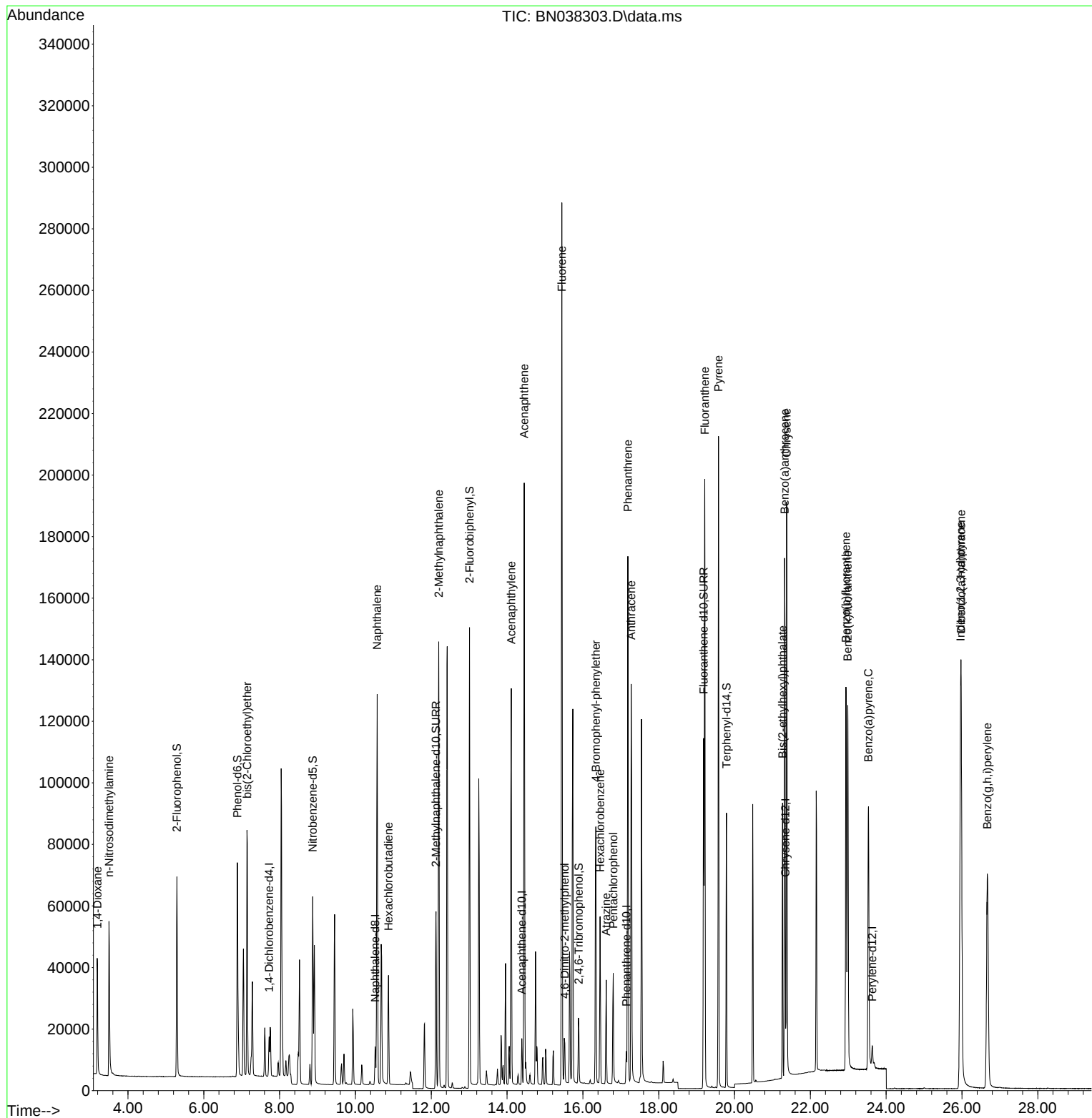
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.724  | 152  | 6243     | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.519 | 136  | 16175    | 0.400 | ng    | #-0.01   |
| 13) Acenaphthene-d10          | 14.388 | 164  | 8192     | 0.400 | ng    | -0.01    |
| 19) Phenanthrene-d10          | 17.148 | 188  | 14208    | 0.400 | ng    | 0.00     |
| 29) Chrysene-d12              | 21.340 | 240  | 11022    | 0.400 | ng    | 0.00     |
| 35) Perylene-d12              | 23.633 | 264  | 9816     | 0.400 | ng    | 0.00     |
|                               |        |      |          |       |       |          |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.290  | 112  | 50921    | 3.275 | ng    | 0.00     |
| 5) Phenol-d6                  | 6.887  | 99   | 63079    | 3.413 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 8.875  | 82   | 46345    | 3.397 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10   | 12.126 | 152  | 77323    | 3.389 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 15.895 | 330  | 12871    | 3.541 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 13.008 | 172  | 134089   | 3.398 | ng    | 0.00     |
| 27) Fluoranthene-d10          | 19.183 | 212  | 118814   | 3.381 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.787 | 244  | 78759    | 3.202 | ng    | 0.00     |
|                               |        |      |          |       |       |          |
| Target Compounds              |        |      |          |       |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.196  | 88   | 22789    | 3.184 | ng    | 99       |
| 3) n-Nitrosodimethylamine     | 3.499  | 42   | 29418    | 3.278 | ng    | # 96     |
| 6) bis(2-Chloroethyl)ether    | 7.147  | 93   | 58758    | 3.250 | ng    | 98       |
| 9) Naphthalene                | 10.573 | 128  | 159268   | 3.331 | ng    | 98       |
| 10) Hexachlorobutadiene       | 10.872 | 225  | 27470    | 3.232 | ng    | # 99     |
| 12) 2-Methylnaphthalene       | 12.197 | 142  | 102695   | 3.384 | ng    | 99       |
| 16) Acenaphthylene            | 14.110 | 152  | 139550   | 3.469 | ng    | 100      |
| 17) Acenaphthene              | 14.452 | 154  | 95652    | 3.413 | ng    | 97       |
| 18) Fluorene                  | 15.446 | 166  | 121052   | 3.357 | ng    | 99       |
| 20) 4,6-Dinitro-2-methylph... | 15.522 | 198  | 9649     | 4.128 | ng    | # 43     |
| 21) 4-Bromophenyl-phenylether | 16.342 | 248  | 35254    | 3.344 | ng    | 95       |
| 22) Hexachlorobenzene         | 16.453 | 284  | 40638    | 3.207 | ng    | 99       |
| 23) Atrazine                  | 16.615 | 200  | 25071    | 3.487 | ng    | 97       |
| 24) Pentachlorophenol         | 16.801 | 266  | 17764    | 3.592 | ng    | 99       |
| 25) Phenanthrene              | 17.186 | 178  | 163576   | 3.308 | ng    | 100      |
| 26) Anthracene                | 17.273 | 178  | 148322   | 3.479 | ng    | 100      |
| 28) Fluoranthene              | 19.215 | 202  | 177518   | 3.377 | ng    | 99       |
| 30) Pyrene                    | 19.578 | 202  | 178334   | 3.287 | ng    | 100      |
| 32) Benzo(a)anthracene        | 21.322 | 228  | 144401   | 3.391 | ng    | 99       |
| 33) Chrysene                  | 21.375 | 228  | 153835   | 3.281 | ng    | 100      |
| 34) Bis(2-ethylhexyl)phtha... | 21.268 | 149  | 73028    | 3.126 | ng    | 100      |
| 36) Indeno(1,2,3-cd)pyrene    | 25.963 | 276  | 182271   | 3.499 | ng    | 99       |
| 37) Benzo(b)fluoranthene      | 22.940 | 252  | 155996   | 3.460 | ng    | # 88     |
| 38) Benzo(k)fluoranthene      | 22.987 | 252  | 157545   | 3.505 | ng    | # 88     |
| 39) Benzo(a)pyrene            | 23.534 | 252  | 128763   | 3.490 | ng    | # 82     |
| 40) Dibenzo(a,h)anthracene    | 25.978 | 278  | 143161   | 3.565 | ng    | 95       |
| 41) Benzo(g,h,i)perylene      | 26.668 | 276  | 154373   | 3.439 | ng    | 98       |
| -----                         |        |      |          |       |       |          |

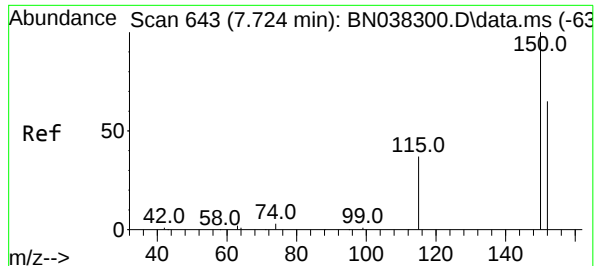
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : BN038303.D  
Acq On : 10 Dec 2025 12:53  
Operator : RC/JU  
Sample : SSTDICC3.2  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC3.2

Quant Time: Dec 10 14:00:33 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN121025.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Dec 10 13:56:50 2025  
Response via : Initial Calibration

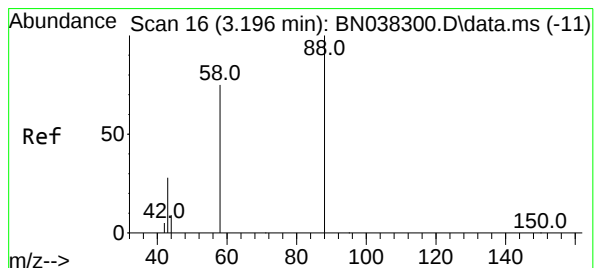
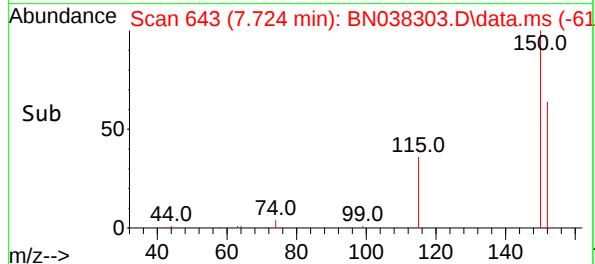
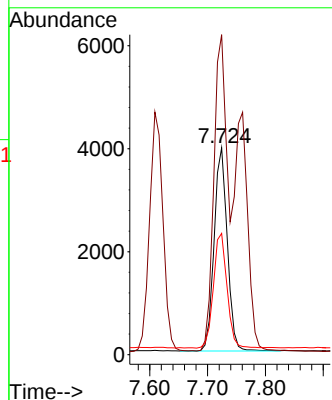
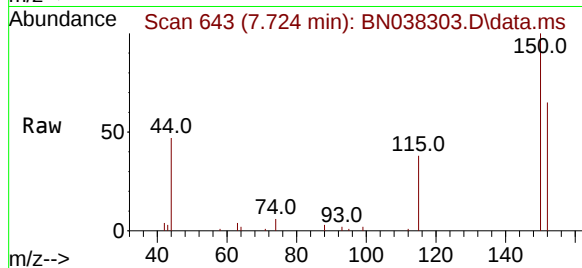




#1  
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.724 min Scan# 64  
Delta R.T. 0.000 min  
Lab File: BN038303.D  
Acq: 10 Dec 2025 12:53

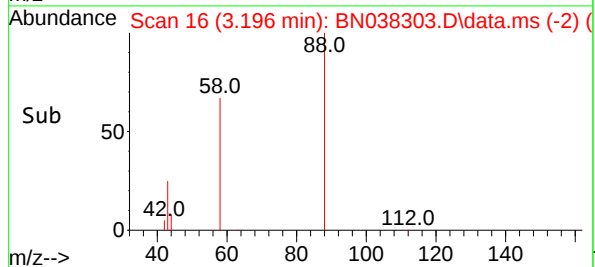
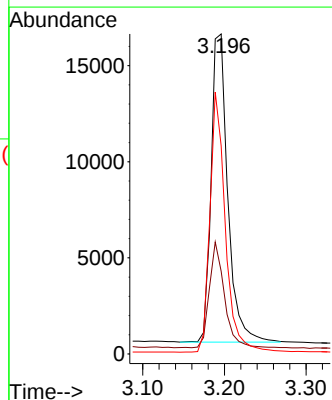
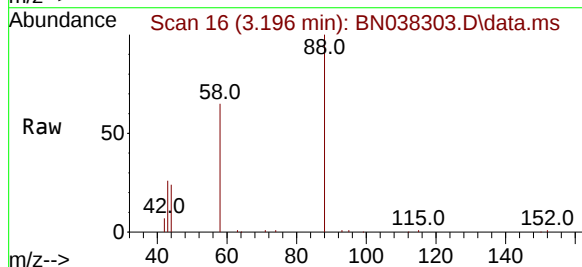
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC3.2

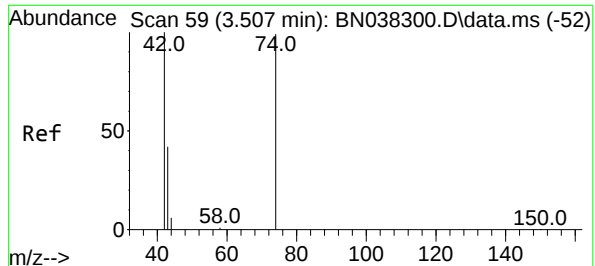
Tgt Ion:152 Resp: 6243  
Ion Ratio Lower Upper  
152 100  
150 154.7 122.4 183.6  
115 58.6 47.3 70.9



#2  
1,4-Dioxane  
Concen: 3.184 ng  
RT: 3.196 min Scan# 16  
Delta R.T. -0.000 min  
Lab File: BN038303.D  
Acq: 10 Dec 2025 12:53

Tgt Ion: 88 Resp: 22789  
Ion Ratio Lower Upper  
88 100  
43 30.8 24.9 37.3  
58 78.0 61.4 92.0

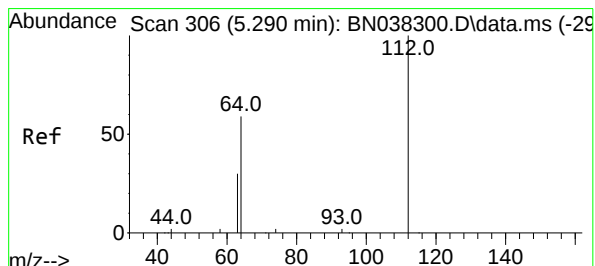
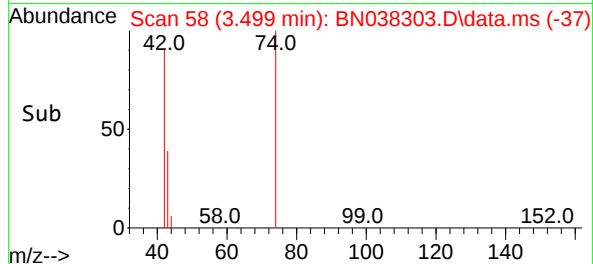
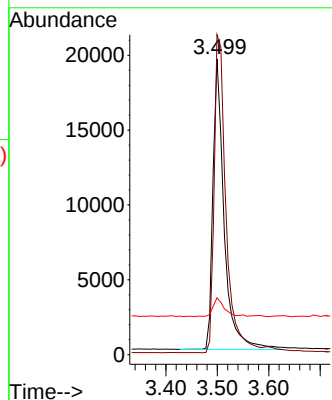
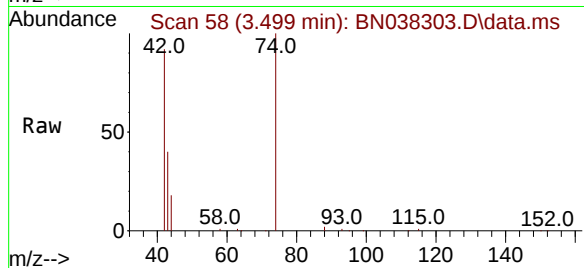




#3  
n-Nitrosodimethylamine  
Concen: 3.278 ng  
RT: 3.499 min Scan# 51  
Delta R.T. -0.000 min  
Lab File: BN038303.D  
Acq: 10 Dec 2025 12:53

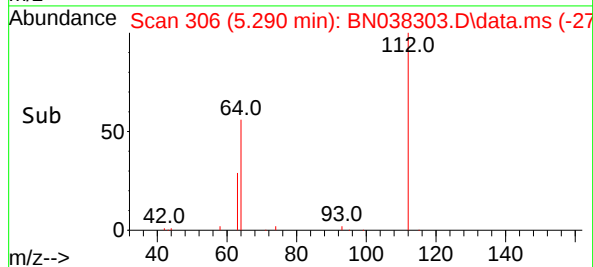
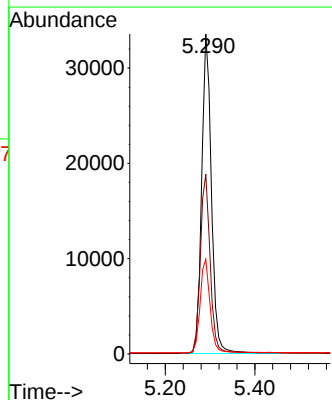
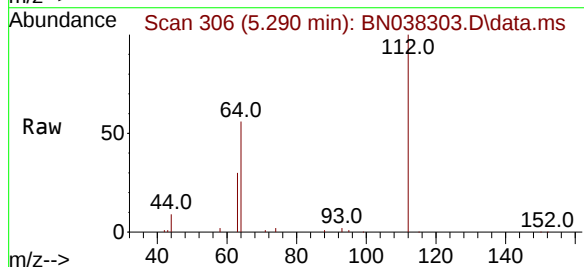
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BNA\_N  
ClientSampleId :  
SSTDICC3.2

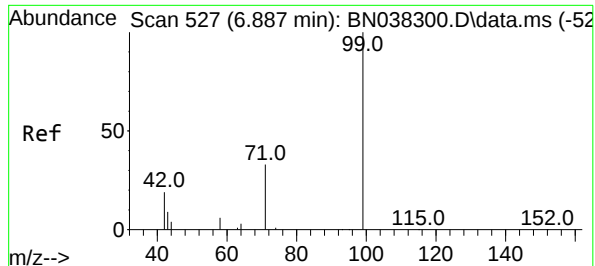
Tgt Ion: 42 Resp: 29418  
Ion Ratio Lower Upper  
42 100  
74 115.5 95.3 142.9  
44 6.8 7.9 11.9#



#4  
2-Fluorophenol  
Concen: 3.275 ng  
RT: 5.290 min Scan# 306  
Delta R.T. -0.000 min  
Lab File: BN038303.D  
Acq: 10 Dec 2025 12:53

Tgt Ion: 112 Resp: 50921  
Ion Ratio Lower Upper  
112 100  
64 56.7 44.4 66.6  
63 29.7 23.4 35.0





#5

Phenol-d6

Concen: 3.413 ng

RT: 6.887 min Scan# 51

Delta R.T. 0.000 min

Lab File: BN038303.D

Acq: 10 Dec 2025 12:53

Instrument :

BNA\_N

ClientSampleId :

SSTDICC3.2

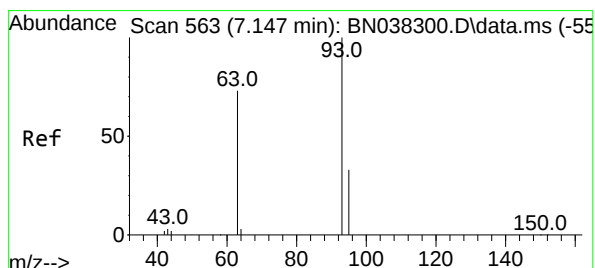
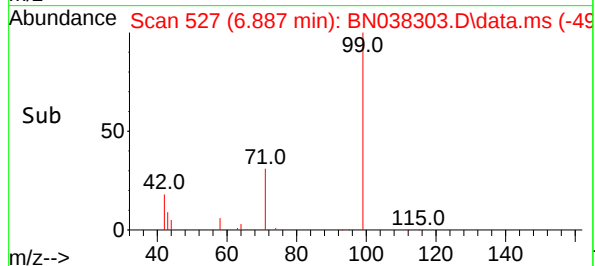
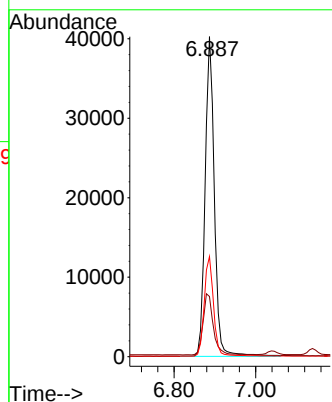
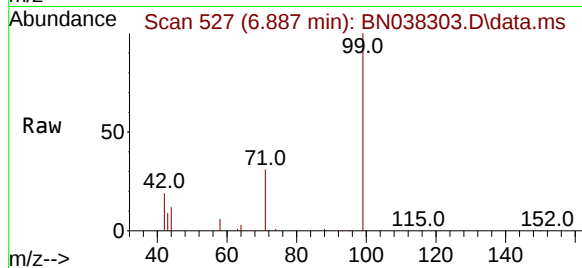
Tgt Ion: 99 Resp: 63079

Ion Ratio Lower Upper

99 100

42 21.3 16.5 24.7

71 31.7 24.9 37.3



#6

bis(2-Chloroethyl)ether

Concen: 3.250 ng

RT: 7.147 min Scan# 563

Delta R.T. 0.000 min

Lab File: BN038303.D

Acq: 10 Dec 2025 12:53

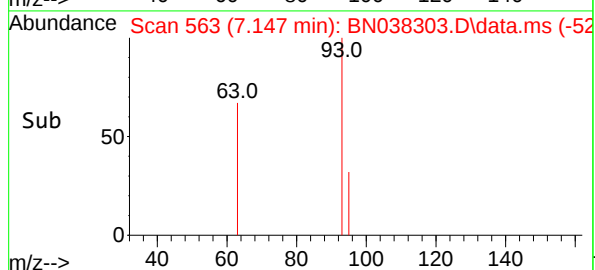
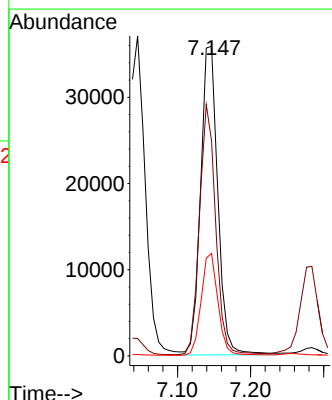
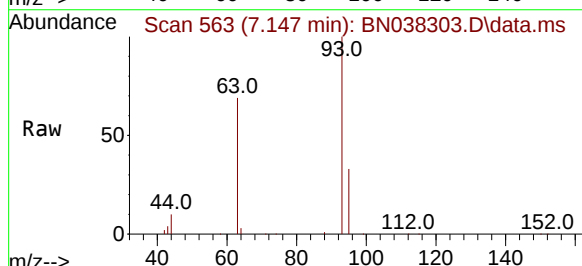
Tgt Ion: 93 Resp: 58758

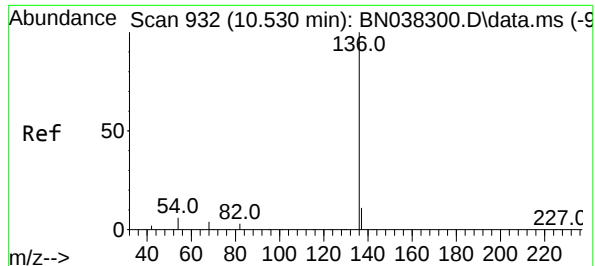
Ion Ratio Lower Upper

93 100

63 75.7 59.2 88.8

95 32.0 25.2 37.8

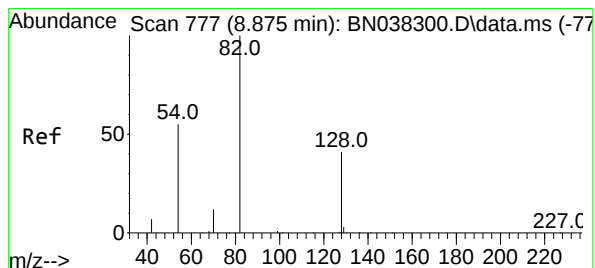
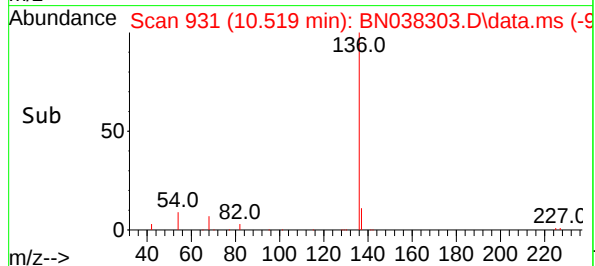
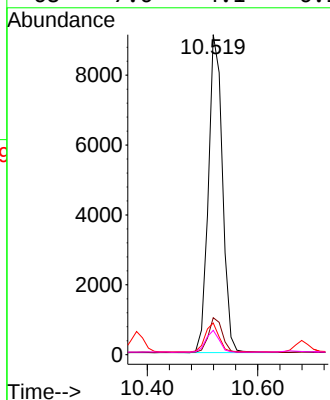
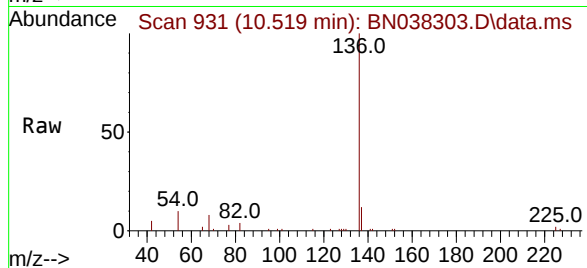




#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.519 min Scan# 91  
Delta R.T. -0.011 min  
Lab File: BN038303.D  
Acq: 10 Dec 2025 12:53

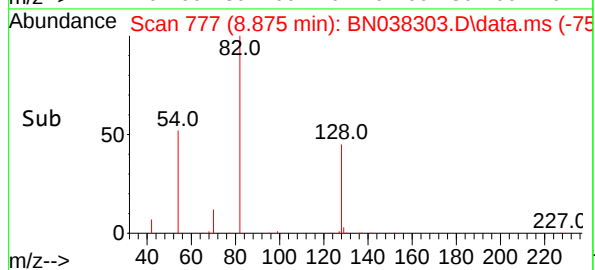
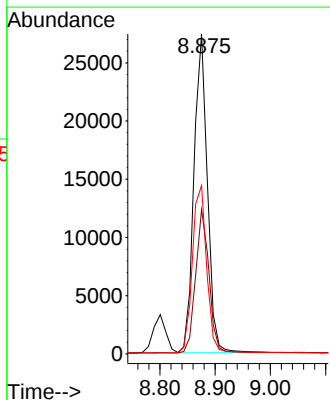
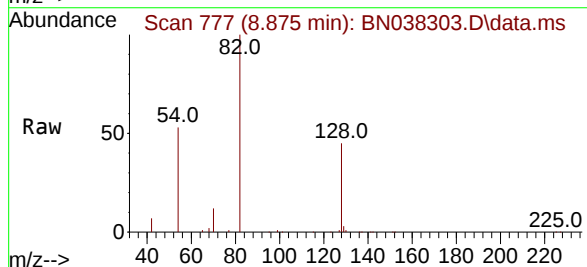
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ClientSampleId :  
SSTDICC3.2

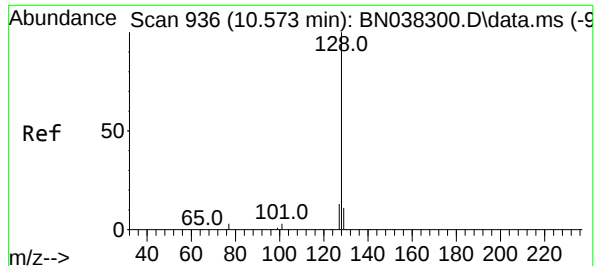
Tgt Ion:136 Resp: 16175  
Ion Ratio Lower Upper  
136 100  
137 11.5 9.1 13.7  
54 9.9 5.2 7.8#  
68 7.6 4.1 6.1#



#8  
Nitrobenzene-d5  
Concen: 3.397 ng  
RT: 8.875 min Scan# 777  
Delta R.T. -0.000 min  
Lab File: BN038303.D  
Acq: 10 Dec 2025 12:53

Tgt Ion: 82 Resp: 46345  
Ion Ratio Lower Upper  
82 100  
128 45.2 34.0 51.0  
54 52.6 44.4 66.6

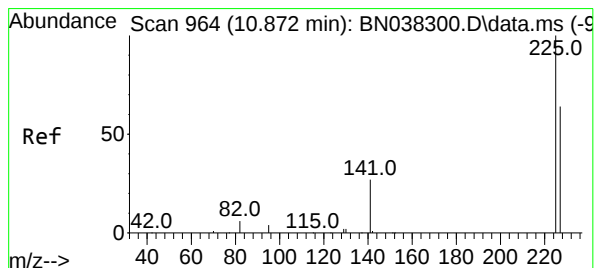
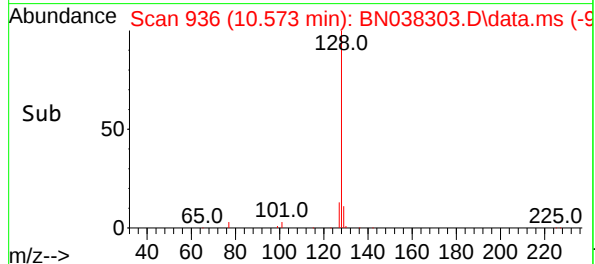
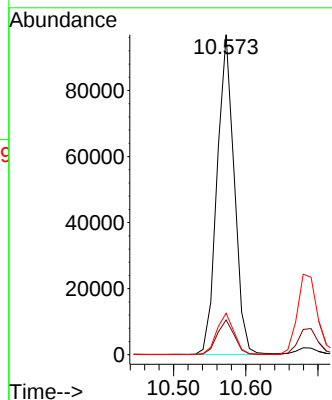
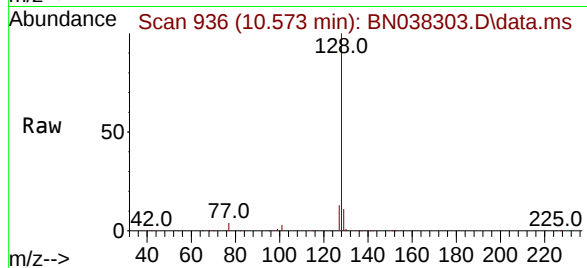




#9  
Naphthalene  
Concen: 3.331 ng  
RT: 10.573 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: BN038303.D  
Acq: 10 Dec 2025 12:53

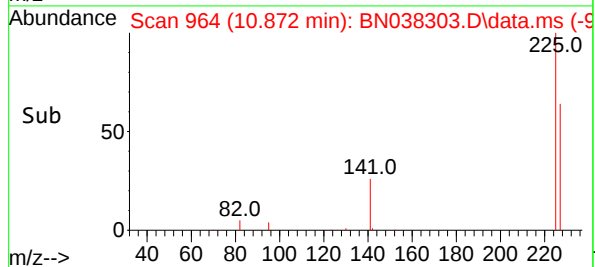
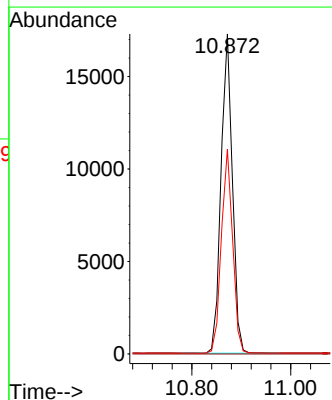
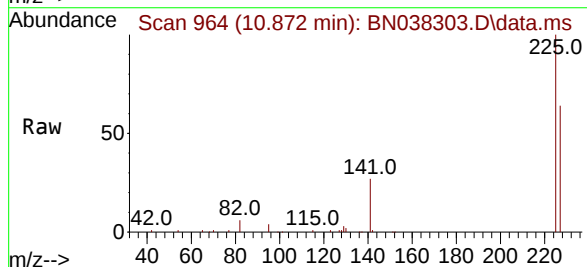
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SSTDICC3.2

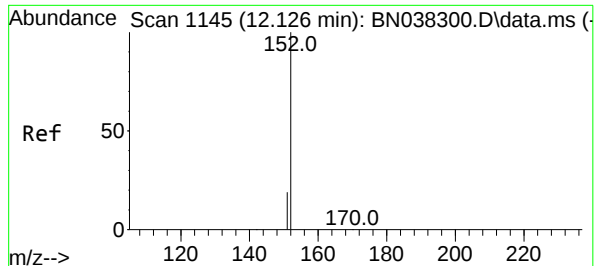
Tgt Ion:128 Resp: 159268  
Ion Ratio Lower Upper  
128 100  
129 10.8 9.1 13.7  
127 13.0 10.9 16.3



#10  
Hexachlorobutadiene  
Concen: 3.232 ng  
RT: 10.872 min Scan# 964  
Delta R.T. 0.000 min  
Lab File: BN038303.D  
Acq: 10 Dec 2025 12:53

Tgt Ion:225 Resp: 27470  
Ion Ratio Lower Upper  
225 100  
223 0.0 0.0 0.0  
227 63.6 51.2 76.8

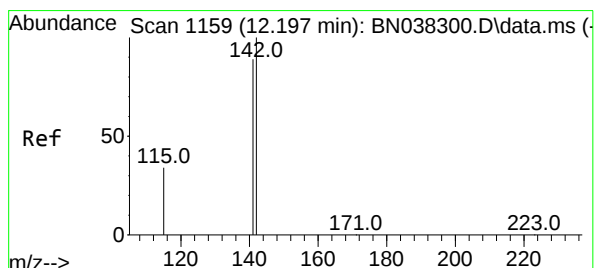
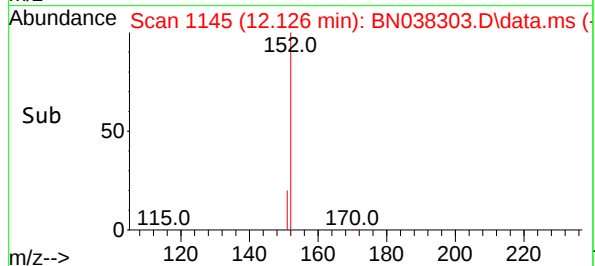
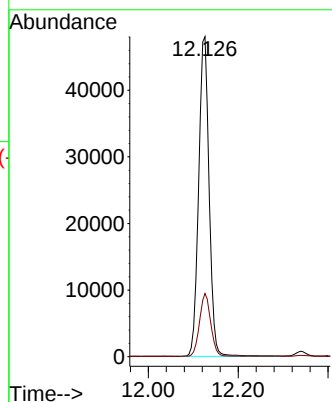
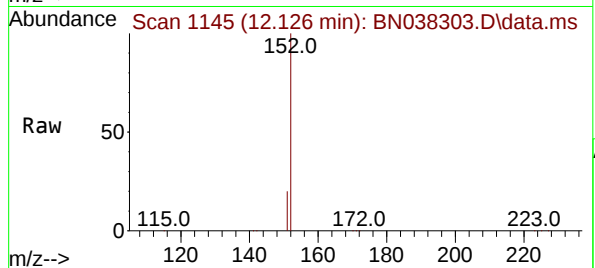




#11  
2-Methylnaphthalene-d10  
Concen: 3.389 ng  
RT: 12.126 min Scan# 1145  
Delta R.T. 0.000 min  
Lab File: BN038303.D  
Acq: 10 Dec 2025 12:53

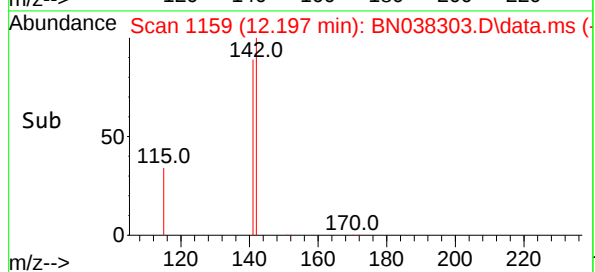
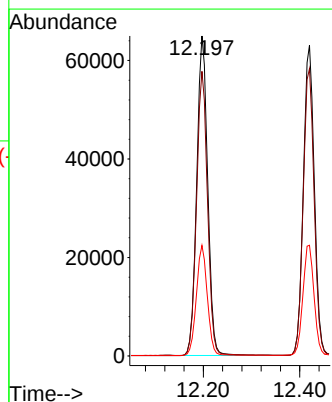
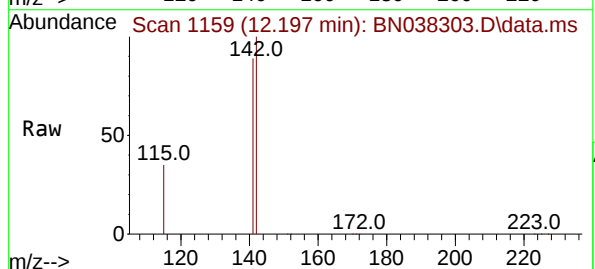
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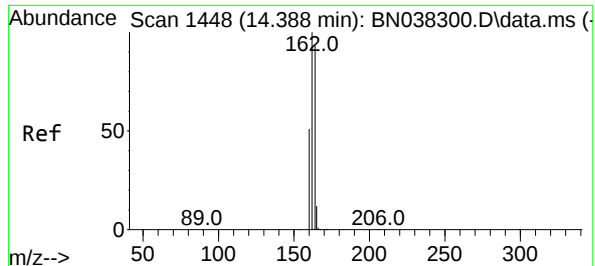
Tgt Ion:152 Resp: 77323  
Ion Ratio Lower Upper  
152 100  
151 21.0 17.0 25.6



#12  
2-Methylnaphthalene  
Concen: 3.384 ng  
RT: 12.197 min Scan# 1159  
Delta R.T. -0.005 min  
Lab File: BN038303.D  
Acq: 10 Dec 2025 12:53

Tgt Ion:142 Resp: 102695  
Ion Ratio Lower Upper  
142 100  
141 88.9 71.4 107.2  
115 34.6 28.4 42.6

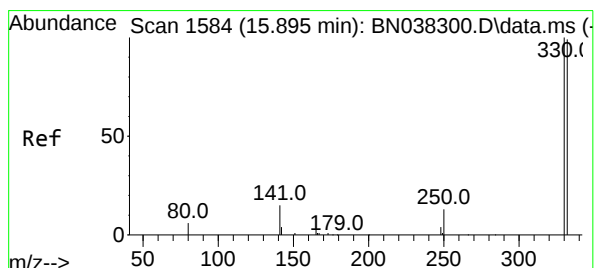
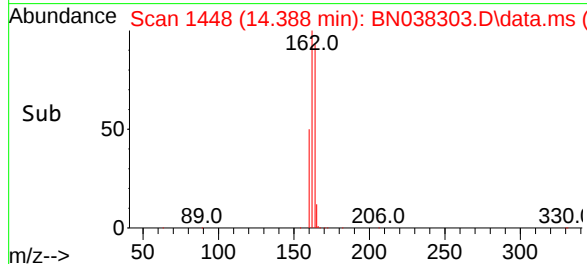
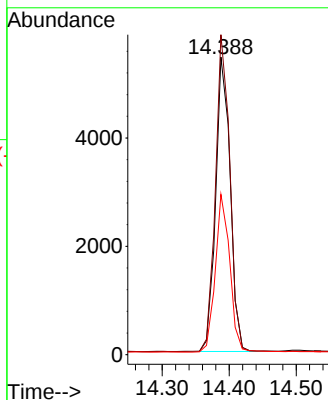
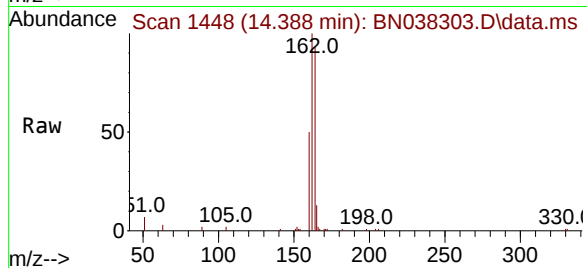




#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.388 min Scan# 1448  
Delta R.T. -0.011 min  
Lab File: BN038303.D  
Acq: 10 Dec 2025 12:53

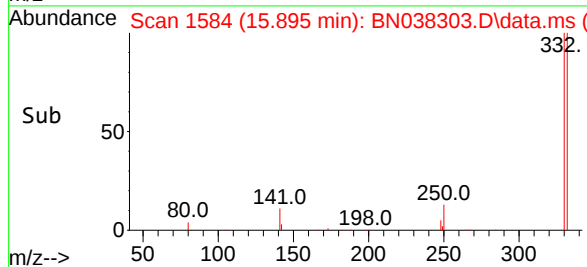
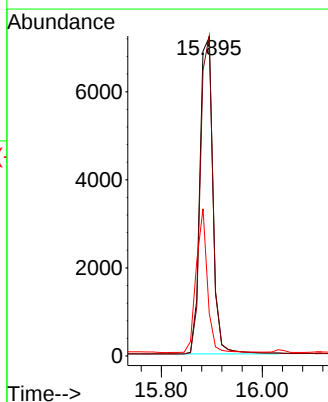
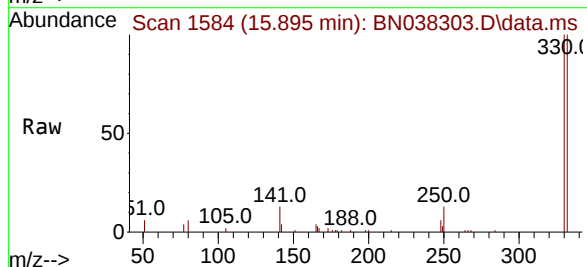
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC3.2

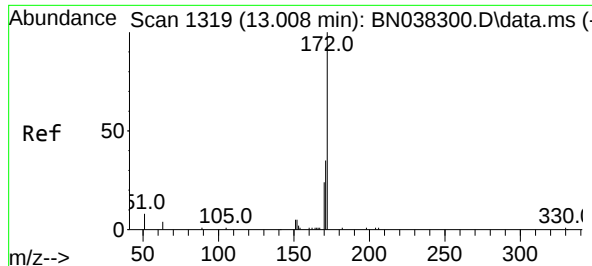
Tgt Ion:164 Resp: 8192  
Ion Ratio Lower Upper  
164 100  
162 107.5 86.2 129.4  
160 53.9 44.6 67.0



#14  
2,4,6-Tribromophenol  
Concen: 3.541 ng  
RT: 15.895 min Scan# 1584  
Delta R.T. -0.000 min  
Lab File: BN038303.D  
Acq: 10 Dec 2025 12:53

Tgt Ion:330 Resp: 12871  
Ion Ratio Lower Upper  
330 100  
332 96.9 75.8 113.6  
141 39.1 31.8 47.8

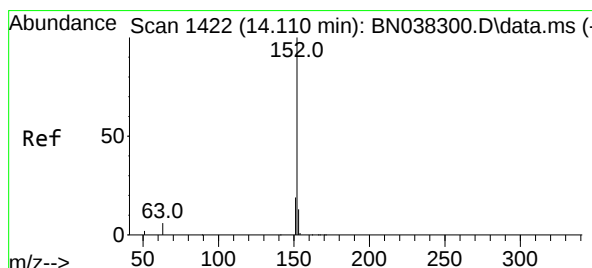
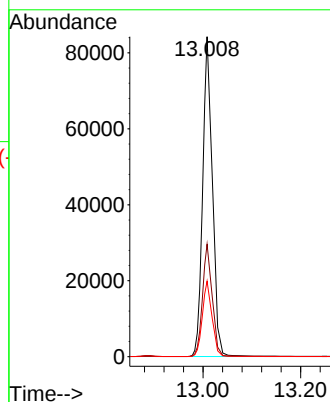
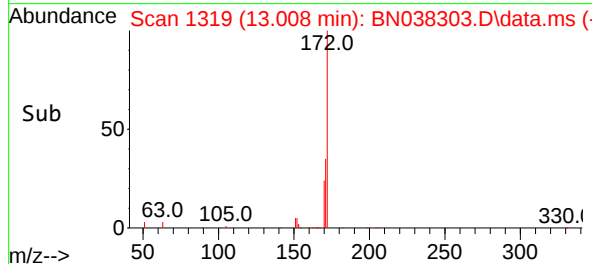
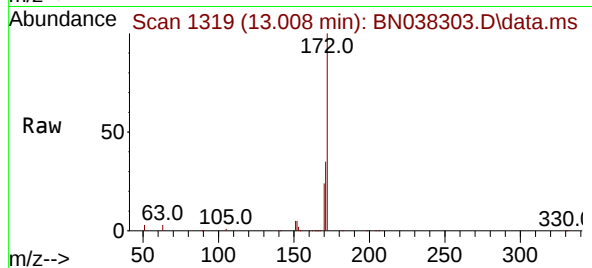




#15  
2-Fluorobiphenyl  
Concen: 3.398 ng  
RT: 13.008 min Scan# 1319  
Delta R.T. -0.000 min  
Lab File: BN038303.D  
Acq: 10 Dec 2025 12:53

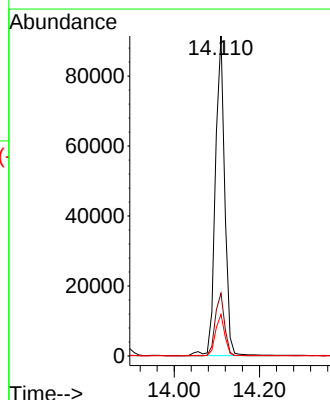
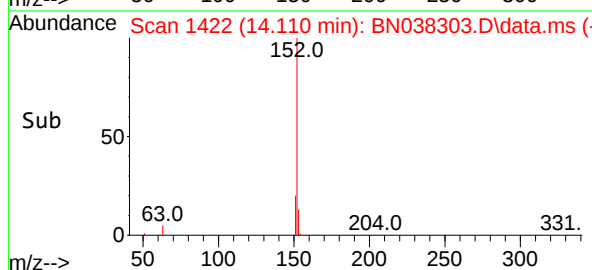
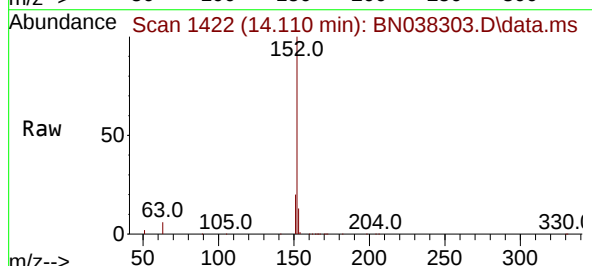
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC3.2

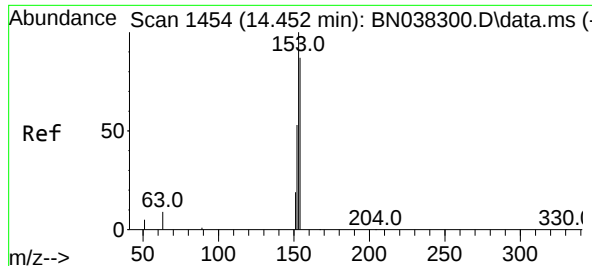
Tgt Ion:172 Resp: 134089  
Ion Ratio Lower Upper  
172 100  
171 35.2 28.6 42.8  
170 23.6 19.3 28.9



#16  
Acenaphthylene  
Concen: 3.469 ng  
RT: 14.110 min Scan# 1422  
Delta R.T. -0.000 min  
Lab File: BN038303.D  
Acq: 10 Dec 2025 12:53

Tgt Ion:152 Resp: 139550  
Ion Ratio Lower Upper  
152 100  
151 19.5 15.4 23.2  
153 12.9 10.2 15.4

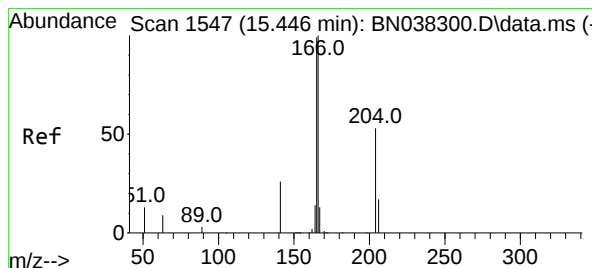
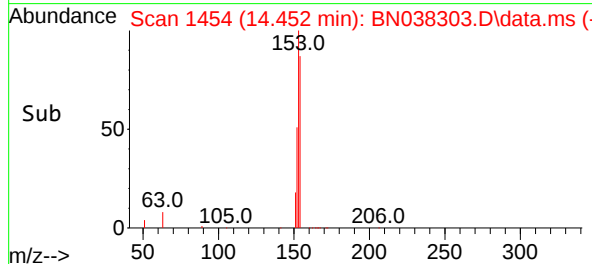
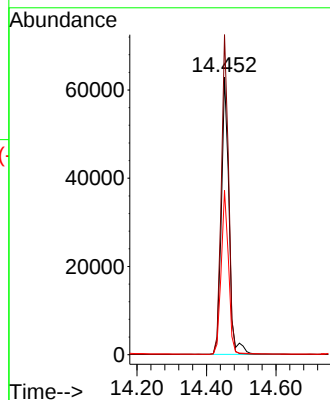
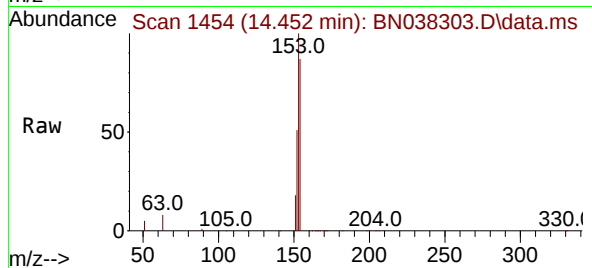




#17  
Acenaphthene  
Concen: 3.413 ng  
RT: 14.452 min Scan# 1454  
Delta R.T. -0.011 min  
Lab File: BN038303.D  
Acq: 10 Dec 2025 12:53

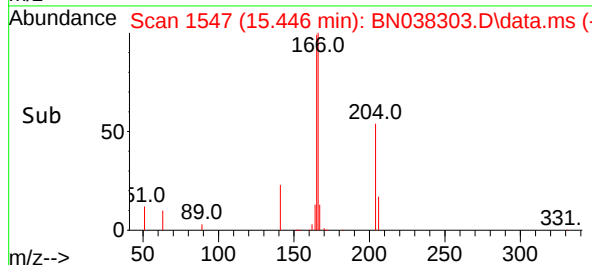
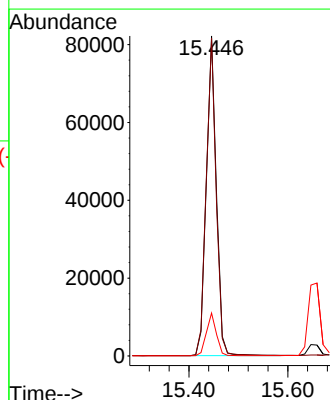
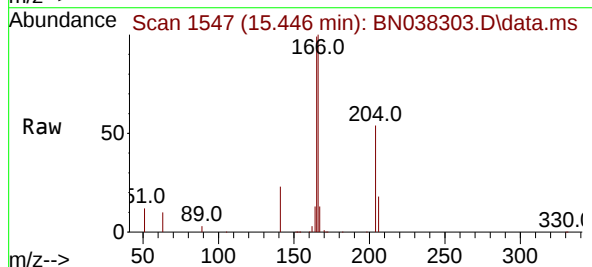
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC3.2

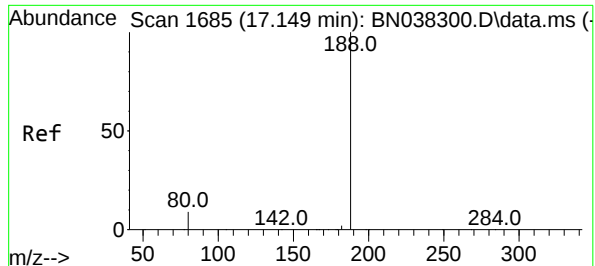
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 109.5 | 89.8  | 134.8 |
| 152     | 56.6  | 47.5  | 71.3  |



#18  
Fluorene  
Concen: 3.357 ng  
RT: 15.446 min Scan# 1547  
Delta R.T. -0.000 min  
Lab File: BN038303.D  
Acq: 10 Dec 2025 12:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 99.0  | 80.2  | 120.4 |
| 167     | 13.1  | 10.6  | 16.0  |





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.148 min Scan# 1

Delta R.T. -0.000 min

Lab File: BN038303.D

Acq: 10 Dec 2025 12:53

Instrument :

BNA\_N

ClientSampleId :

SSTDICC3.2

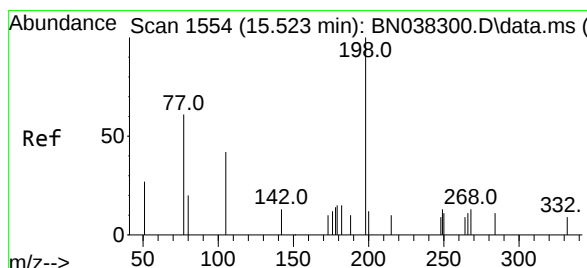
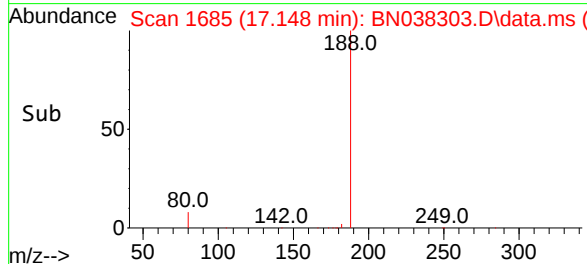
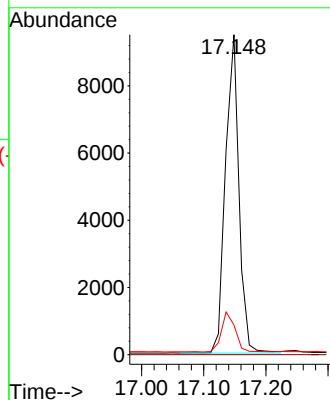
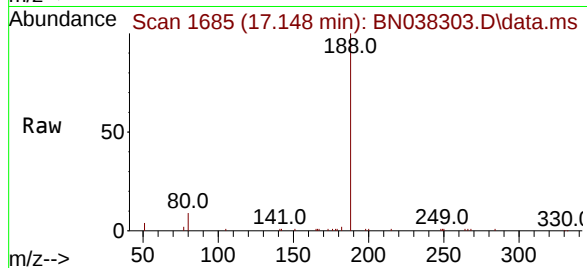
Tgt Ion:188 Resp: 14208

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 9.2 7.4 11.0



#20

4,6-Dinitro-2-methylphenol

Concen: 4.128 ng

RT: 15.522 min Scan# 1554

Delta R.T. 0.000 min

Lab File: BN038303.D

Acq: 10 Dec 2025 12:53

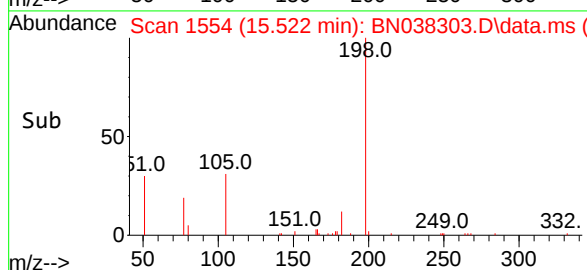
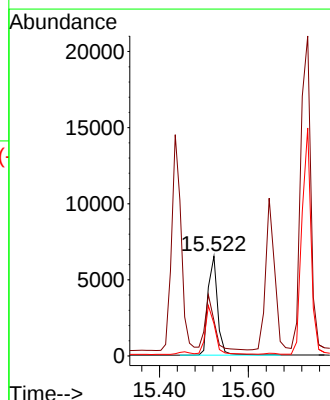
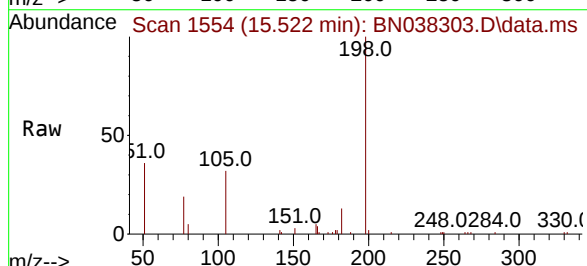
Tgt Ion:198 Resp: 9649

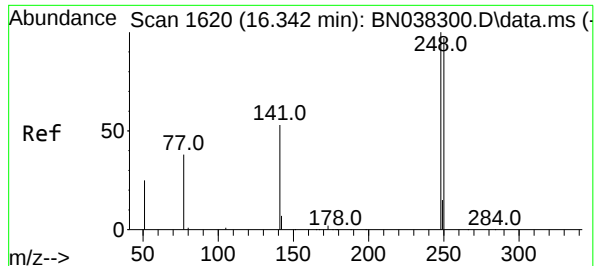
Ion Ratio Lower Upper

198 100

51 35.5 86.3 129.5#

105 32.4 45.3 67.9#

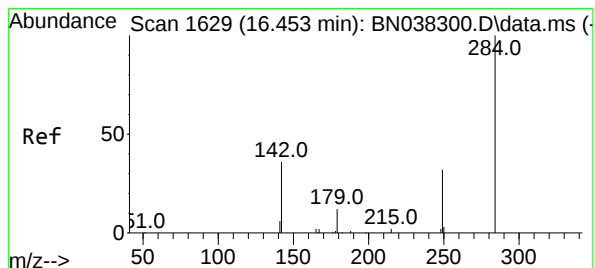
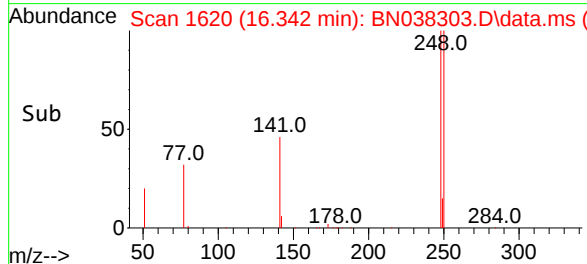
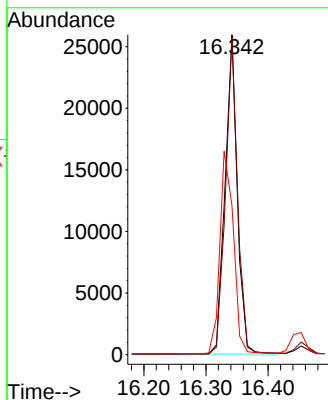
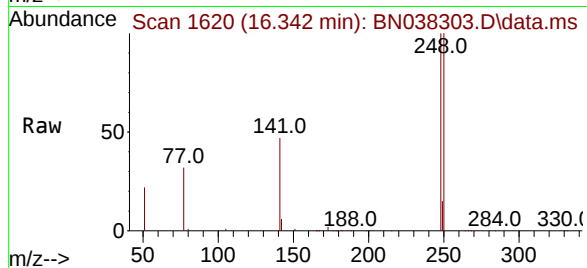




#21  
4-Bromophenyl-phenylether  
Concen: 3.344 ng  
RT: 16.342 min Scan# 1620  
Delta R.T. -0.000 min  
Lab File: BN038303.D  
Acq: 10 Dec 2025 12:53

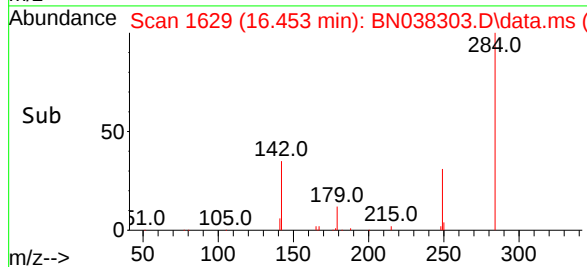
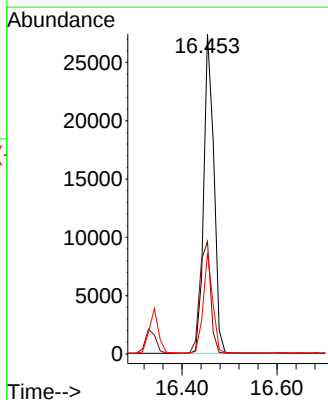
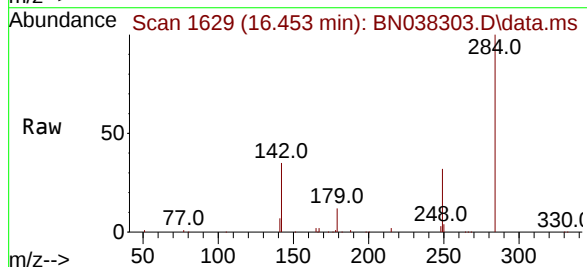
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC3.2

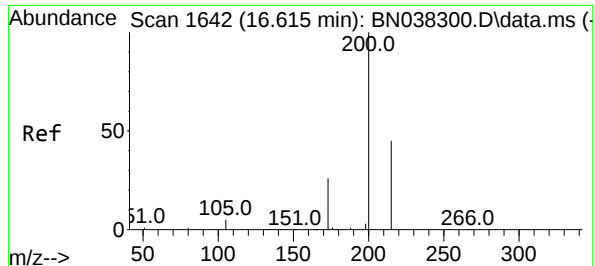
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 248     | 100   |       |       |
| 250     | 99.8  | 78.2  | 117.2 |
| 141     | 46.6  | 43.7  | 65.5  |



#22  
Hexachlorobenzene  
Concen: 3.207 ng  
RT: 16.453 min Scan# 1629  
Delta R.T. -0.012 min  
Lab File: BN038303.D  
Acq: 10 Dec 2025 12:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 284     | 100   |       |       |
| 142     | 37.8  | 29.5  | 44.3  |
| 249     | 29.5  | 23.7  | 35.5  |

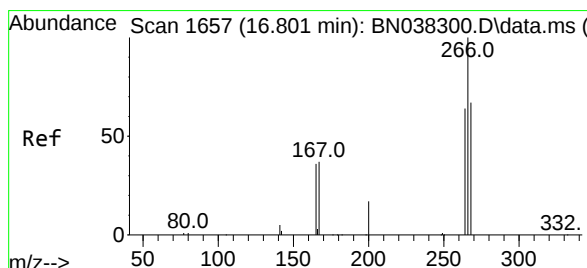
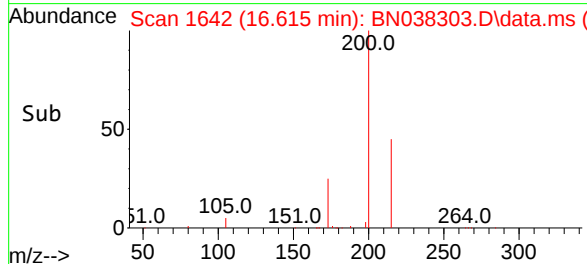
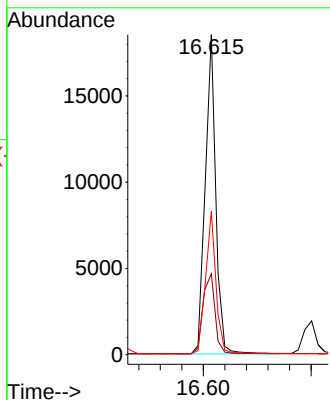
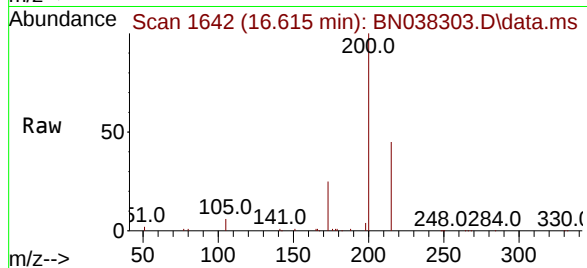




#23  
Atrazine  
Concen: 3.487 ng  
RT: 16.615 min Scan# 1642  
Delta R.T. -0.000 min  
Lab File: BN038303.D  
Acq: 10 Dec 2025 12:53

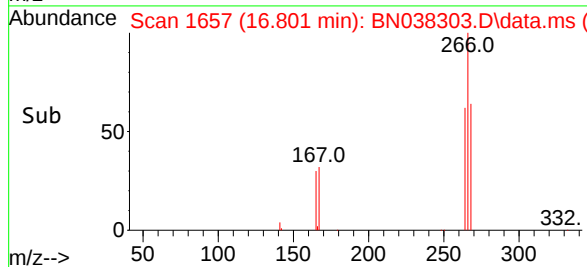
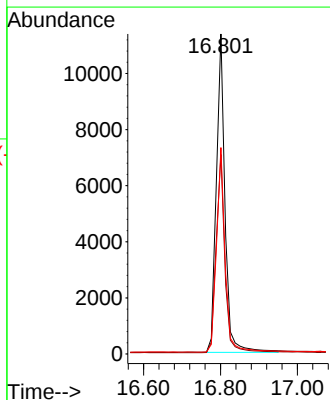
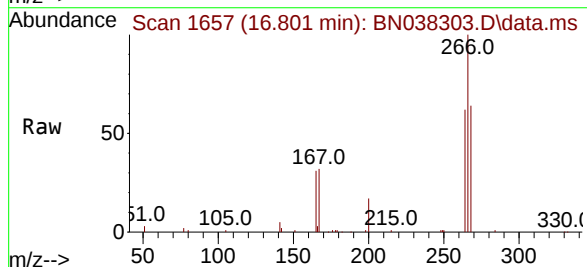
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC3.2

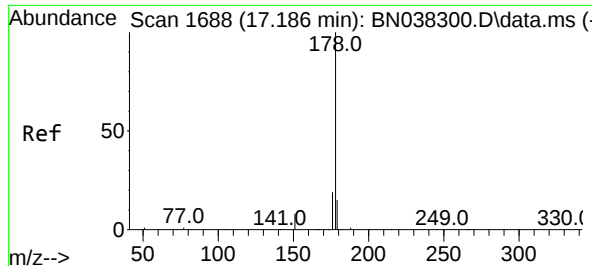
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 200     | 100   |       |       |
| 173     | 25.3  | 22.1  | 33.1  |
| 215     | 44.9  | 37.4  | 56.2  |



#24  
Pentachlorophenol  
Concen: 3.592 ng  
RT: 16.801 min Scan# 1657  
Delta R.T. 0.000 min  
Lab File: BN038303.D  
Acq: 10 Dec 2025 12:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 264     | 62.7  | 50.2  | 75.2  |
| 268     | 63.9  | 52.6  | 78.8  |

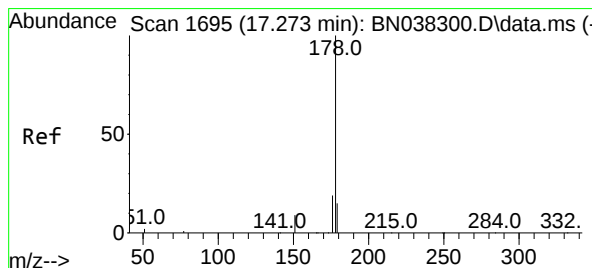
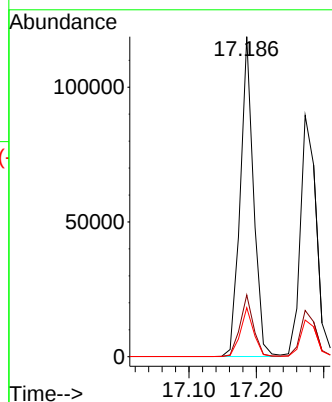
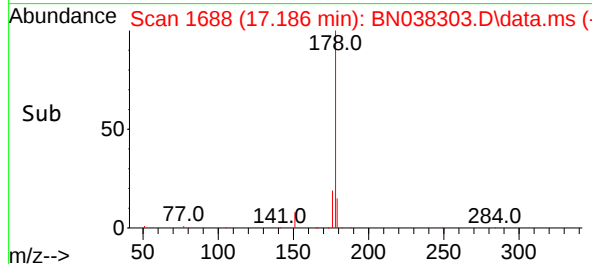
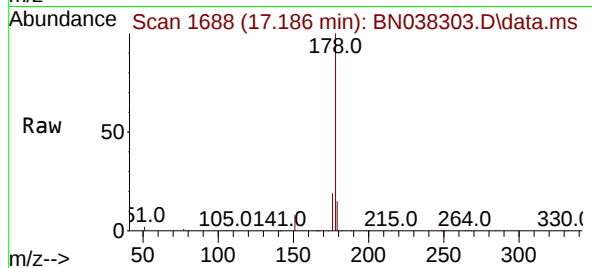




#25  
Phenanthrene  
Concen: 3.308 ng  
RT: 17.186 min Scan# 1688  
Delta R.T. 0.000 min  
Lab File: BN038303.D  
Acq: 10 Dec 2025 12:53

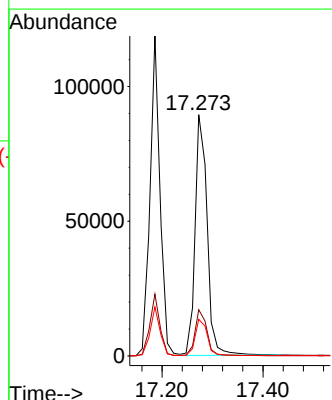
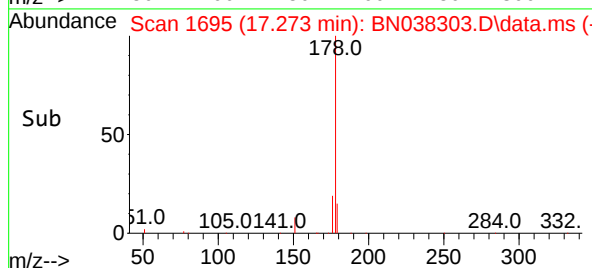
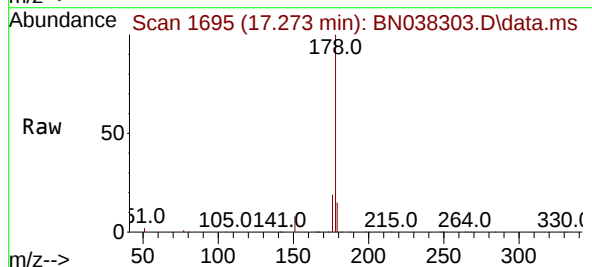
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC3.2

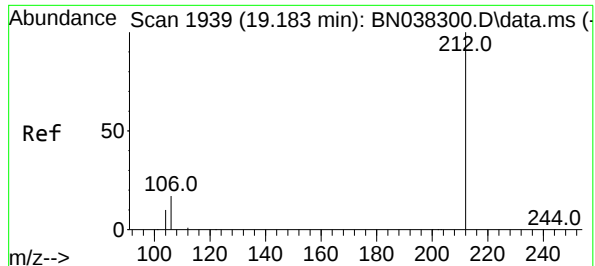
Tgt Ion:178 Resp: 163576  
Ion Ratio Lower Upper  
178 100  
176 19.4 15.5 23.3  
179 15.2 12.2 18.2



#26  
Anthracene  
Concen: 3.479 ng  
RT: 17.273 min Scan# 1695  
Delta R.T. -0.012 min  
Lab File: BN038303.D  
Acq: 10 Dec 2025 12:53

Tgt Ion:178 Resp: 148322  
Ion Ratio Lower Upper  
178 100  
176 18.8 15.1 22.7  
179 15.3 12.0 18.0





#27

Fluoranthene-d10

Concen: 3.381 ng

RT: 19.183 min Scan# 1939

Delta R.T. -0.005 min

Lab File: BN038303.D

Acq: 10 Dec 2025 12:53

Instrument :

BNA\_N

ClientSampleId :

SSTDICC3.2

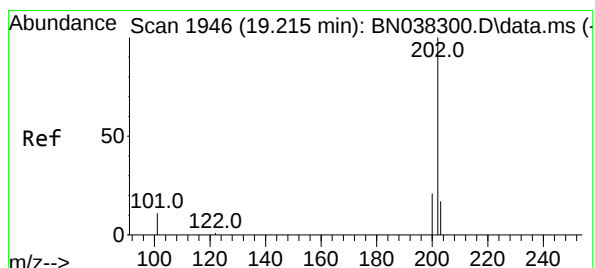
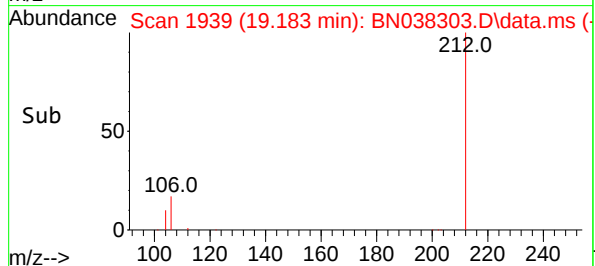
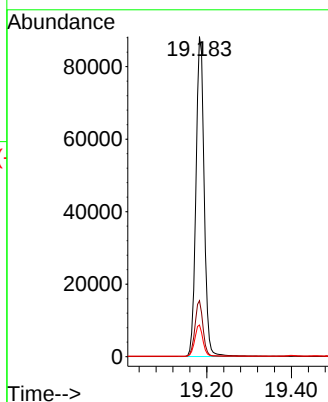
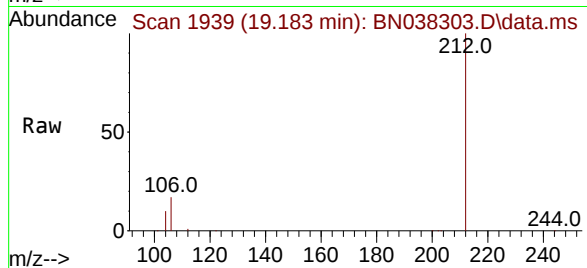
Tgt Ion:212 Resp: 118814

Ion Ratio Lower Upper

212 100

106 17.1 13.7 20.5

104 9.7 7.8 11.8



#28

Fluoranthene

Concen: 3.377 ng

RT: 19.215 min Scan# 1946

Delta R.T. -0.005 min

Lab File: BN038303.D

Acq: 10 Dec 2025 12:53

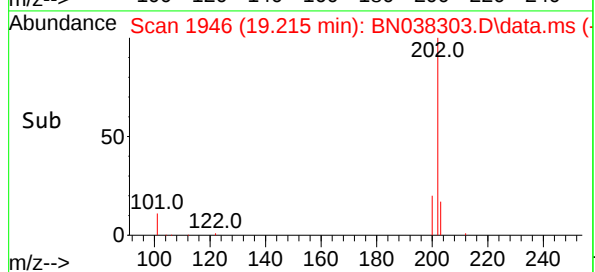
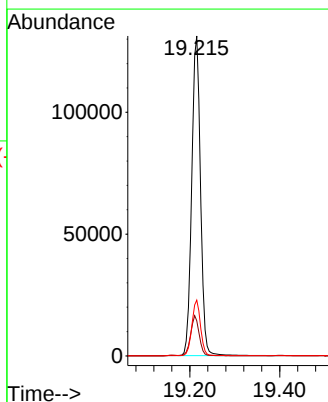
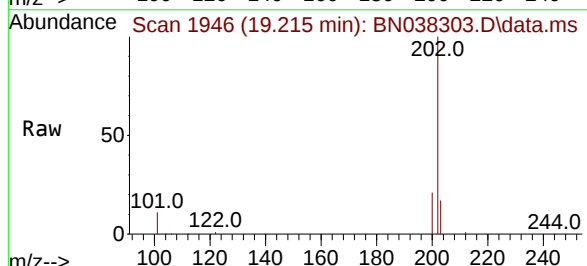
Tgt Ion:202 Resp: 177518

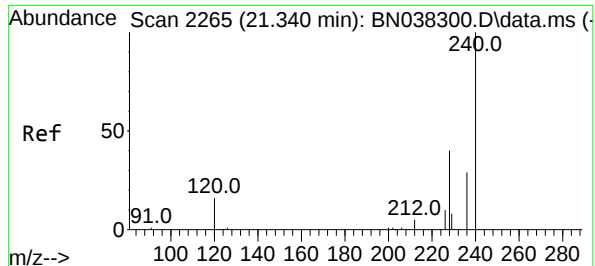
Ion Ratio Lower Upper

202 100

101 12.4 9.6 14.4

203 17.2 13.5 20.3





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.340 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN038303.D

Acq: 10 Dec 2025 12:53

Instrument :

BNA\_N

ClientSampleId :

SSTDICC3.2

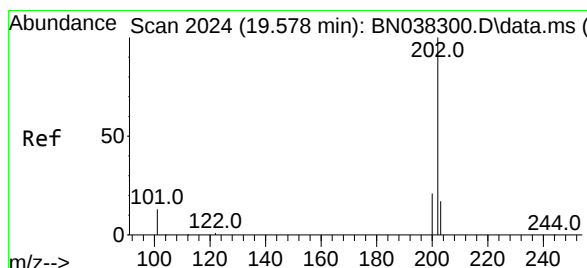
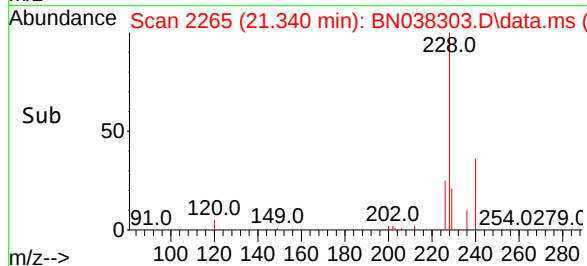
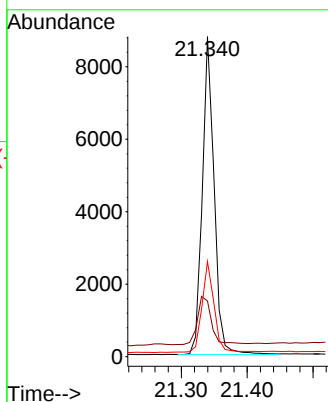
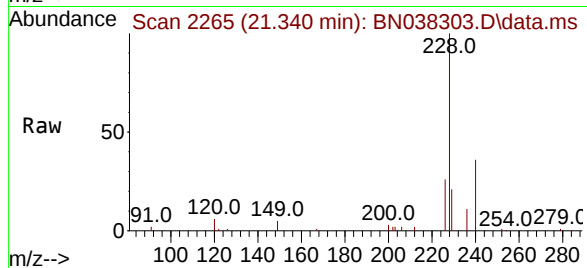
Tgt Ion:240 Resp: 11022

Ion Ratio Lower Upper

240 100

120 17.4 15.4 23.2

236 29.8 23.9 35.9



#30

Pyrene

Concen: 3.287 ng

RT: 19.578 min Scan# 2024

Delta R.T. -0.005 min

Lab File: BN038303.D

Acq: 10 Dec 2025 12:53

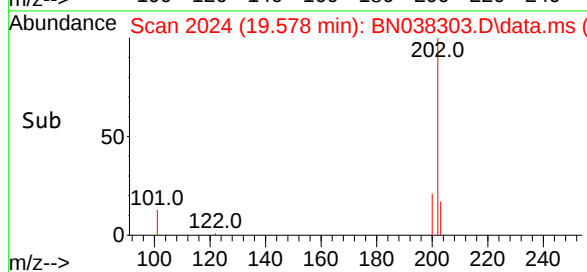
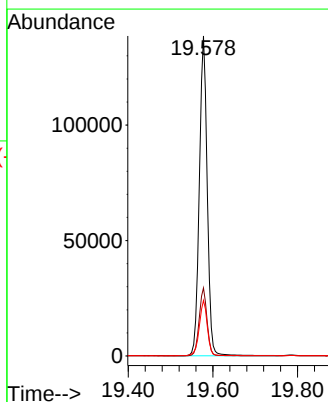
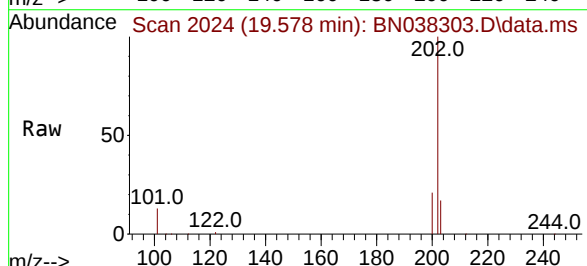
Tgt Ion:202 Resp: 178334

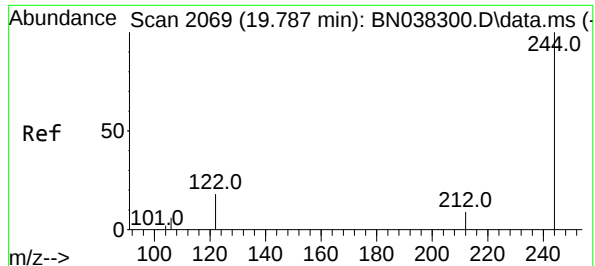
Ion Ratio Lower Upper

202 100

200 21.2 16.9 25.3

203 17.7 14.2 21.2

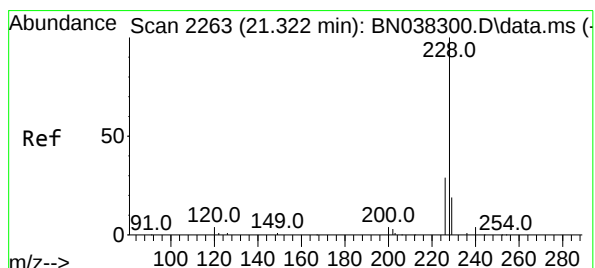
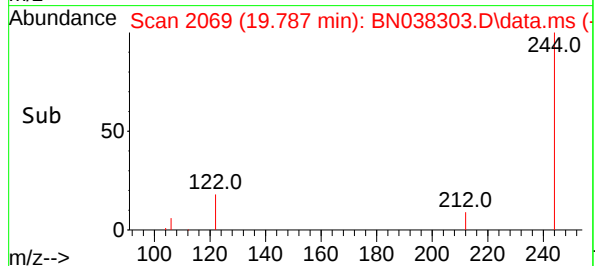
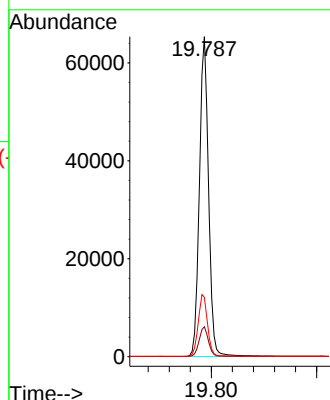
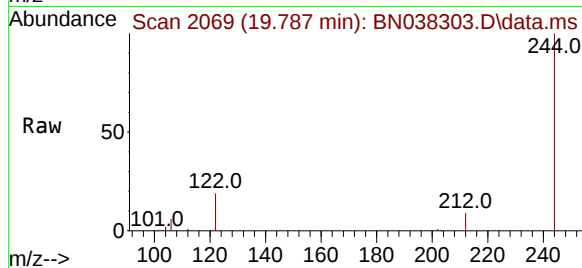




#31  
Terphenyl-d14  
Concen: 3.202 ng  
RT: 19.787 min Scan# 2069  
Delta R.T. -0.005 min  
Lab File: BN038303.D  
Acq: 10 Dec 2025 12:53

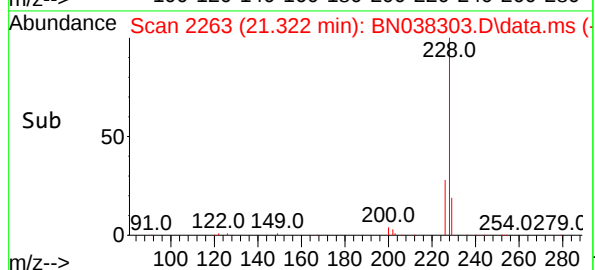
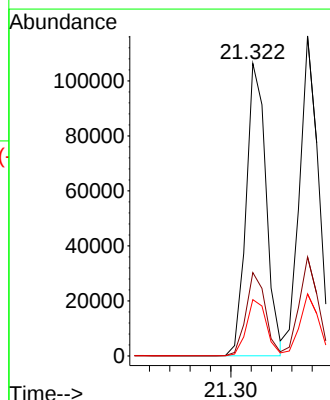
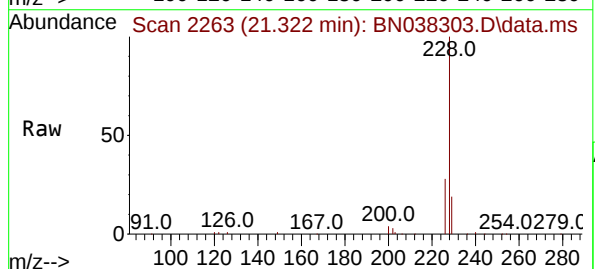
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC3.2

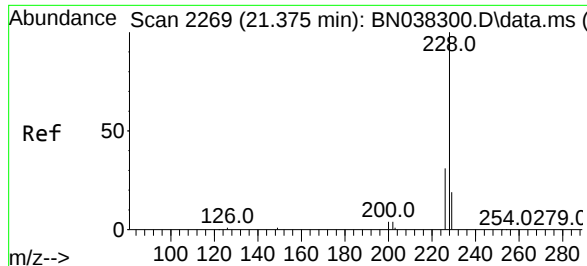
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 9.3   | 7.9   | 11.9  |
| 122     | 18.5  | 15.0  | 22.6  |



#32  
Benzo(a)anthracene  
Concen: 3.391 ng  
RT: 21.322 min Scan# 2263  
Delta R.T. -0.009 min  
Lab File: BN038303.D  
Acq: 10 Dec 2025 12:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 28.5  | 23.3  | 34.9  |
| 229     | 19.3  | 15.7  | 23.5  |





#33

Chrysene

Concen: 3.281 ng

RT: 21.375 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN038303.D

Acq: 10 Dec 2025 12:53

Instrument :

BNA\_N

ClientSampleId :

SSTDICC3.2

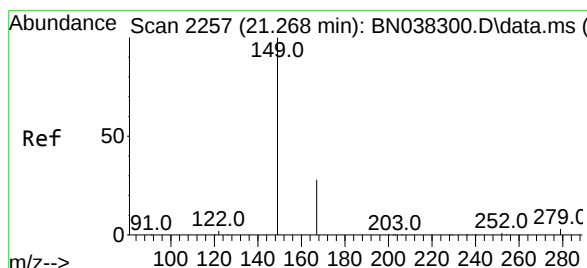
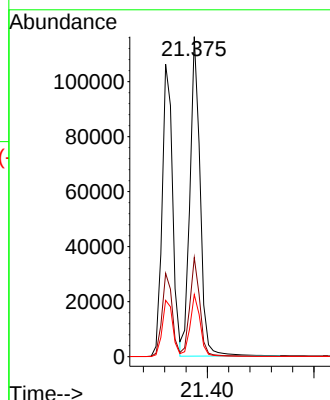
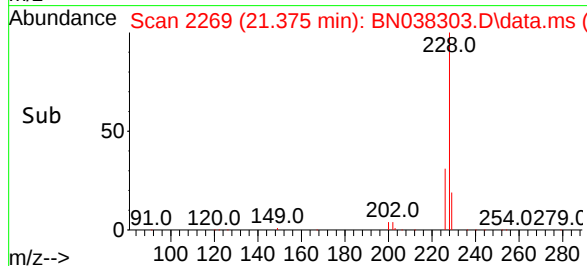
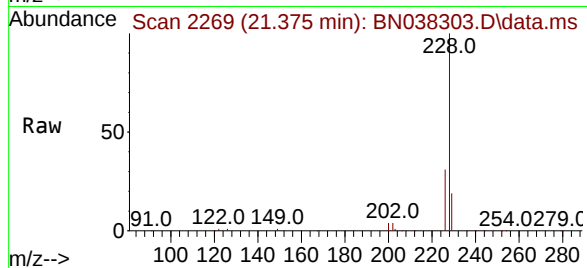
Tgt Ion:228 Resp: 153835

Ion Ratio Lower Upper

228 100

226 31.0 25.0 37.4

229 19.4 15.5 23.3



#34

Bis(2-ethylhexyl)phthalate

Concen: 3.126 ng

RT: 21.268 min Scan# 2257

Delta R.T. -0.000 min

Lab File: BN038303.D

Acq: 10 Dec 2025 12:53

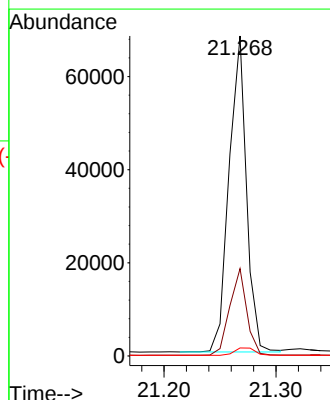
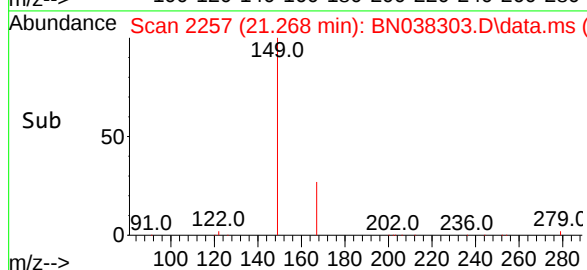
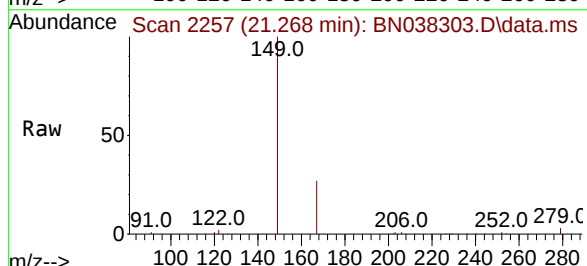
Tgt Ion:149 Resp: 73028

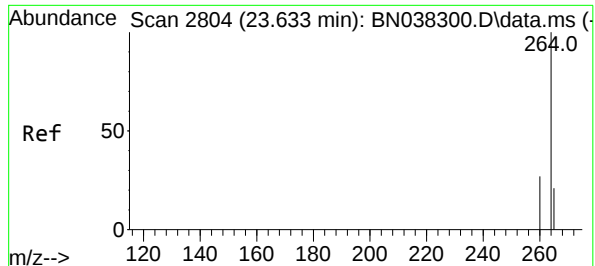
Ion Ratio Lower Upper

149 100

167 26.9 21.4 32.0

279 2.8 2.4 3.6





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.633 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN038303.D

Acq: 10 Dec 2025 12:53

Instrument :

BNA\_N

ClientSampleId :

SSTDICC3.2

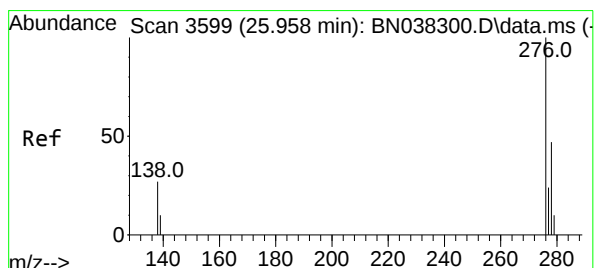
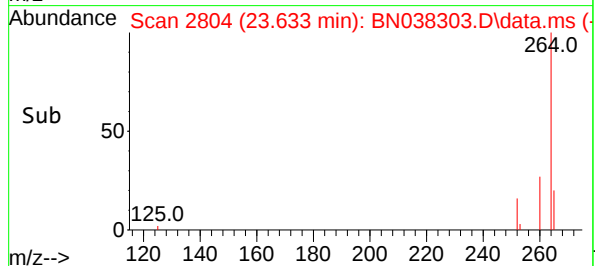
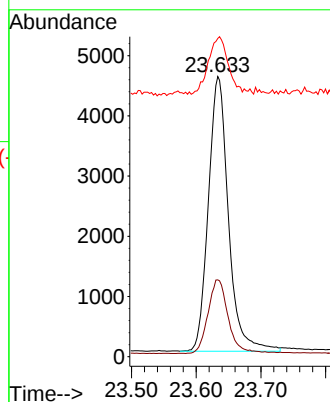
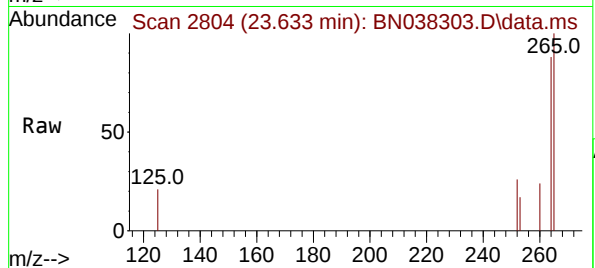
Tgt Ion:264 Resp: 9816

Ion Ratio Lower Upper

264 100

260 27.4 22.2 33.2

265 113.6 80.2 120.2



#36

Indeno(1,2,3-cd)pyrene

Concen: 3.499 ng

RT: 25.963 min Scan# 3601

Delta R.T. -0.000 min

Lab File: BN038303.D

Acq: 10 Dec 2025 12:53

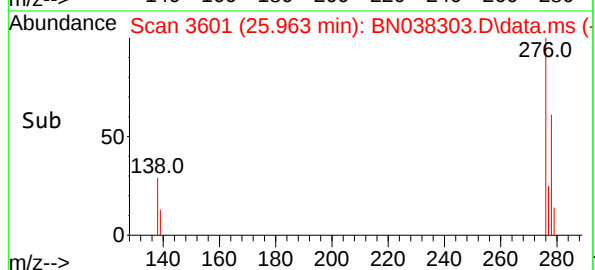
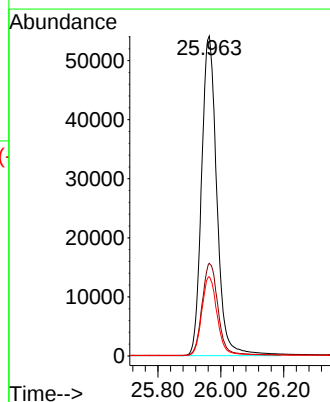
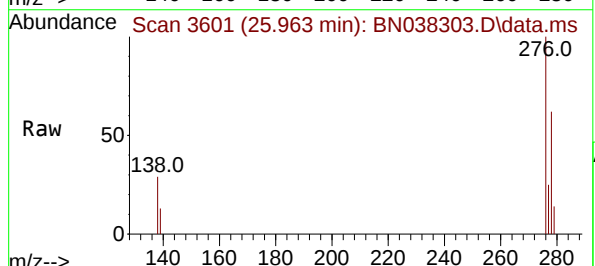
Tgt Ion:276 Resp: 182271

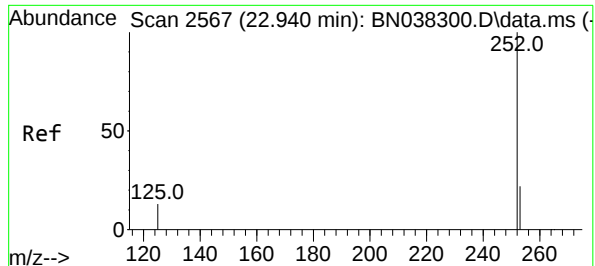
Ion Ratio Lower Upper

276 100

138 29.9 23.6 35.4

277 24.8 19.7 29.5





#37

Benzo(b)fluoranthene

Concen: 3.460 ng

RT: 22.940 min Scan# 2567

Delta R.T. -0.006 min

Lab File: BN038303.D

Acq: 10 Dec 2025 12:53

Instrument :

BNA\_N

ClientSampleId :

SSTDICC3.2

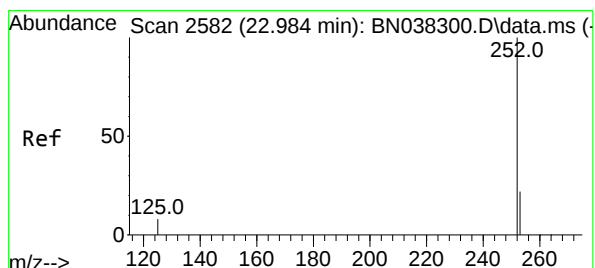
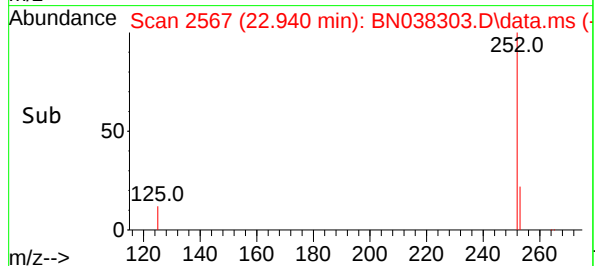
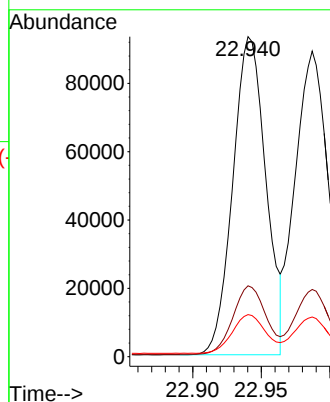
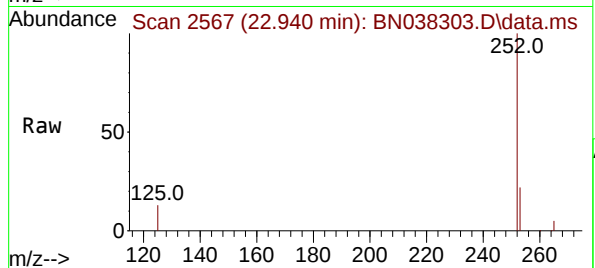
Tgt Ion:252 Resp: 155996

Ion Ratio Lower Upper

252 100

253 22.2 21.1 31.7

125 13.1 16.4 24.6#



#38

Benzo(k)fluoranthene

Concen: 3.505 ng

RT: 22.987 min Scan# 2583

Delta R.T. -0.003 min

Lab File: BN038303.D

Acq: 10 Dec 2025 12:53

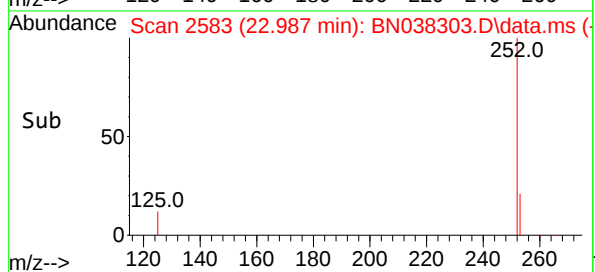
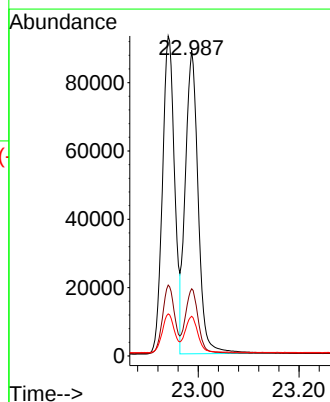
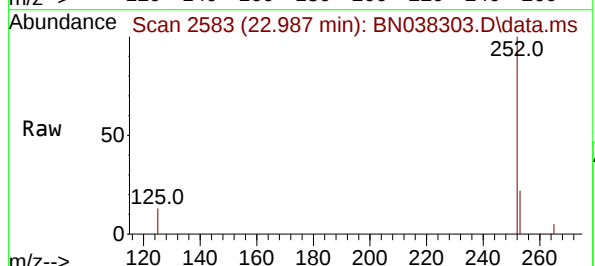
Tgt Ion:252 Resp: 157545

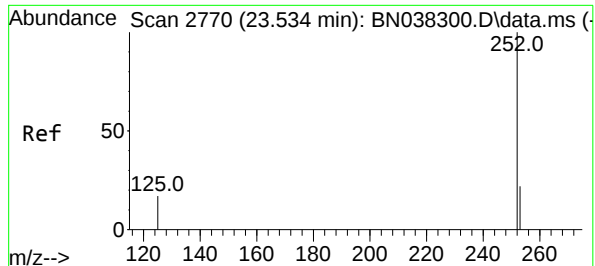
Ion Ratio Lower Upper

252 100

253 22.0 21.4 32.0

125 13.0 16.2 24.2#





#39

Benzo(a)pyrene

Concen: 3.490 ng

RT: 23.534 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN038303.D

Acq: 10 Dec 2025 12:53

Instrument :

BNA\_N

ClientSampleId :

SSTDICC3.2

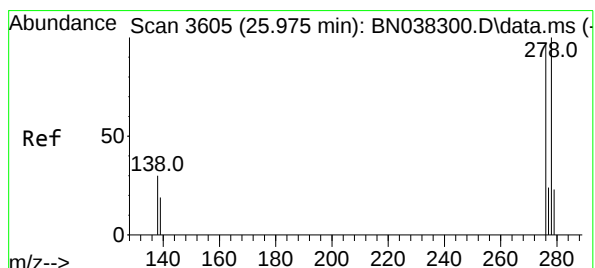
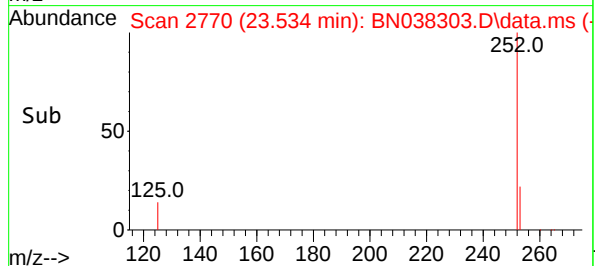
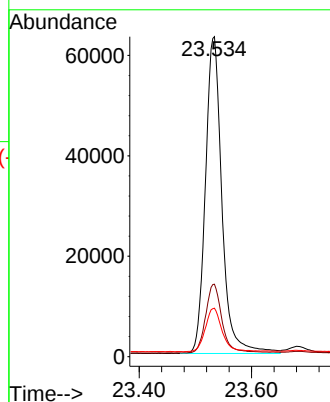
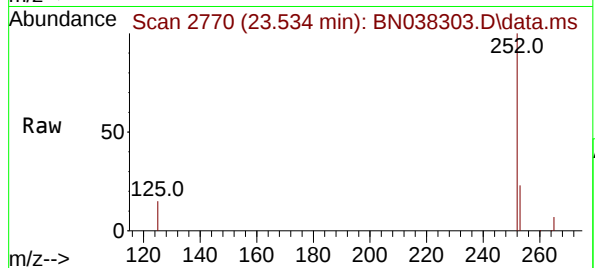
Tgt Ion:252 Resp: 128763

Ion Ratio Lower Upper

252 100

253 22.7 23.3 34.9#

125 15.2 22.4 33.6#



#40

Dibenzo(a,h)anthracene

Concen: 3.565 ng

RT: 25.978 min Scan# 3606

Delta R.T. -0.003 min

Lab File: BN038303.D

Acq: 10 Dec 2025 12:53

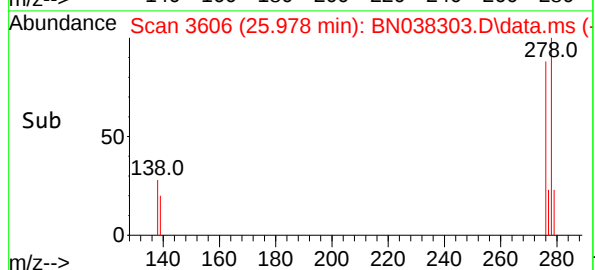
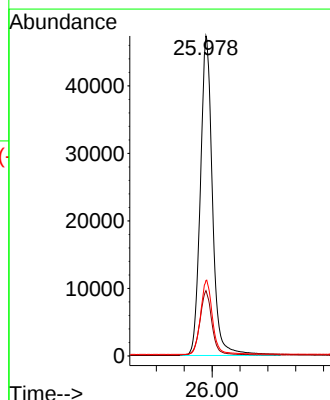
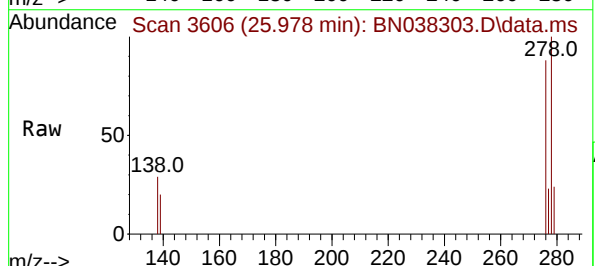
Tgt Ion:278 Resp: 143161

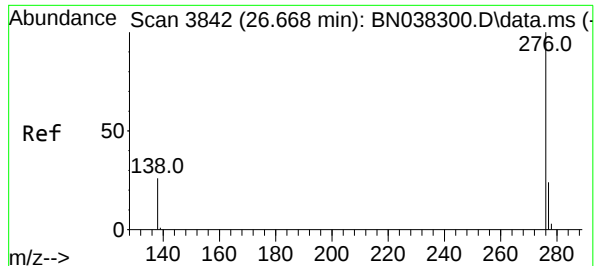
Ion Ratio Lower Upper

278 100

139 20.4 17.8 26.8

279 23.6 21.3 31.9





#41

Benzo(g,h,i)perylene

Concen: 3.439 ng

RT: 26.668 min Scan# 3842

Delta R.T. -0.009 min

Lab File: BN038303.D

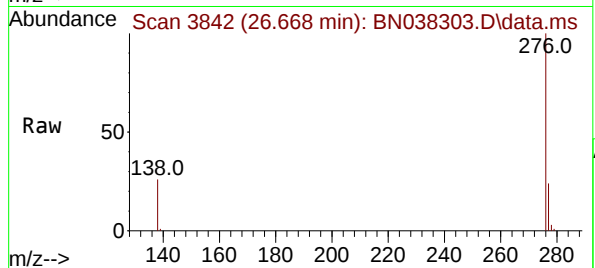
Acq: 10 Dec 2025 12:53

Instrument :

BNA\_N

ClientSampleId :

SSTDICC3.2



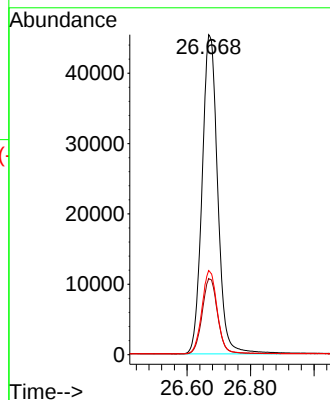
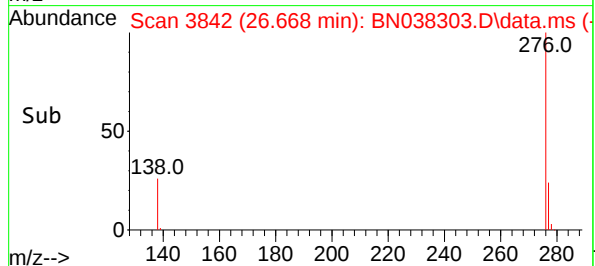
Tgt Ion:276 Resp: 154373

Ion Ratio Lower Upper

276 100

277 23.8 20.0 30.0

138 26.3 21.8 32.6



Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN121025\  
 Data File : BN038304.D  
 Acq On : 10 Dec 2025 13:30  
 Operator : RC/JU  
 Sample : SSTDICC5.0  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTDICC5.0

Quant Time: Dec 10 14:00:51 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN121025.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 10 13:56:50 2025  
 Response via : Initial Calibration

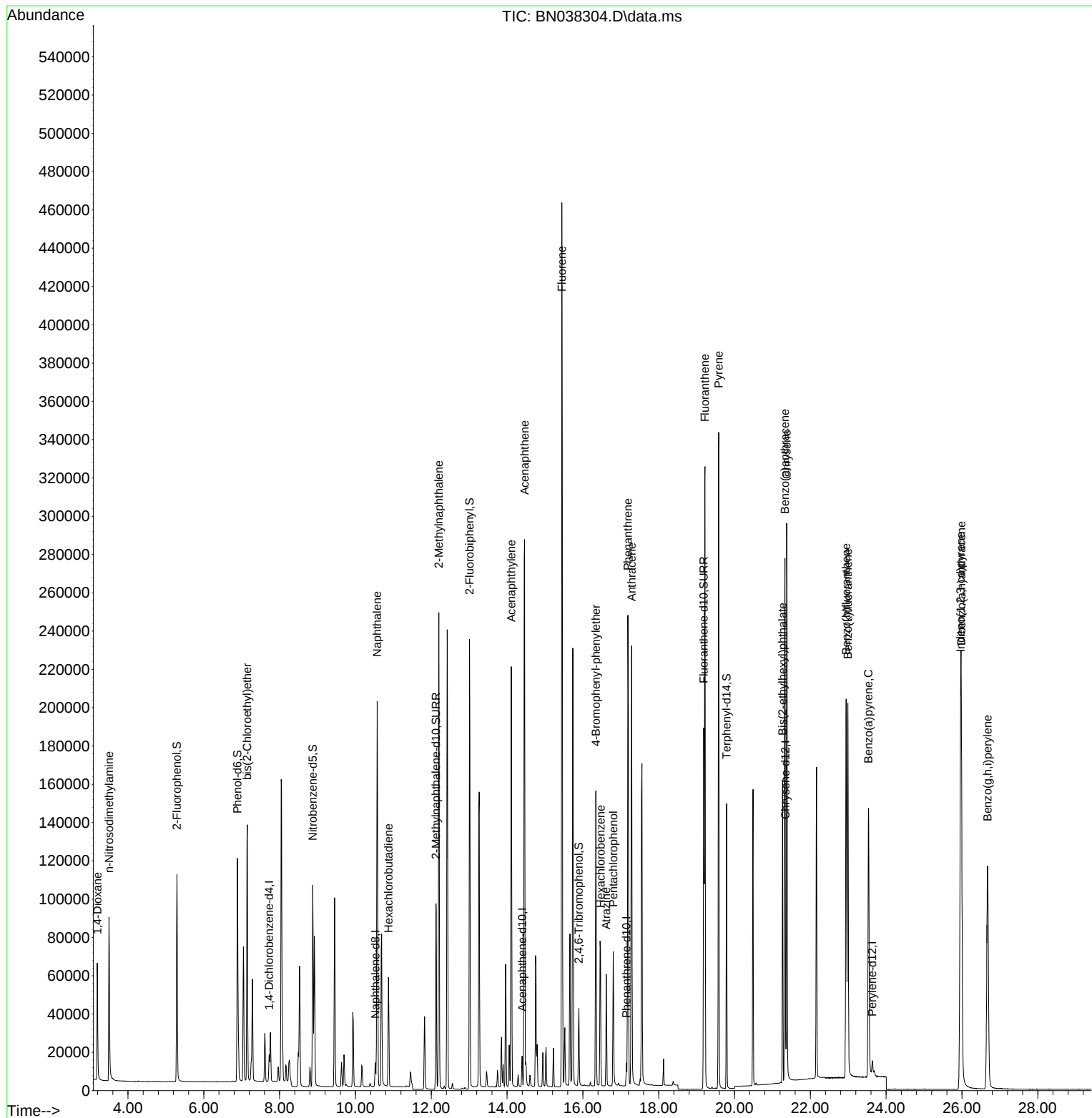
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.724  | 152  | 6683     | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.530 | 136  | 17297    | 0.400 | ng    | 0.00     |
| 13) Acenaphthene-d10          | 14.398 | 164  | 8946     | 0.400 | ng    | 0.00     |
| 19) Phenanthrene-d10          | 17.148 | 188  | 14791    | 0.400 | ng    | # 0.00   |
| 29) Chrysene-d12              | 21.340 | 240  | 11438    | 0.400 | ng    | # 0.00   |
| 35) Perylene-d12              | 23.633 | 264  | 10064    | 0.400 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.290  | 112  | 85118    | 5.114 | ng    | 0.00     |
| 5) Phenol-d6                  | 6.887  | 99   | 106714   | 5.393 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 8.875  | 82   | 77560    | 5.316 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10   | 12.126 | 152  | 129558   | 5.310 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 15.895 | 330  | 22914    | 5.773 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 13.008 | 172  | 203375   | 4.719 | ng    | 0.00     |
| 27) Fluoranthene-d10          | 19.187 | 212  | 194683   | 5.322 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.791 | 244  | 129183   | 5.061 | ng    | 0.00     |
| Target Compounds              |        |      |          |       |       |          |
|                               |        |      |          |       |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.196  | 88   | 36727    | 4.793 | ng    | 98       |
| 3) n-Nitrosodimethylamine     | 3.499  | 42   | 47875    | 4.983 | ng    | # 97     |
| 6) bis(2-Chloroethyl)ether    | 7.147  | 93   | 95792    | 4.949 | ng    | 98       |
| 9) Naphthalene                | 10.573 | 128  | 260570   | 5.096 | ng    | 99       |
| 10) Hexachlorobutadiene       | 10.872 | 225  | 44570    | 4.904 | ng    | # 100    |
| 12) 2-Methylnaphthalene       | 12.202 | 142  | 170617   | 5.257 | ng    | 99       |
| 16) Acenaphthylene            | 14.110 | 152  | 233854   | 5.323 | ng    | 99       |
| 17) Acenaphthene              | 14.462 | 154  | 159912   | 5.225 | ng    | 96       |
| 18) Fluorene                  | 15.446 | 166  | 201458   | 5.116 | ng    | 98       |
| 21) 4-Bromophenyl-phenylether | 16.342 | 248  | 58800    | 5.358 | ng    | # 88     |
| 22) Hexachlorobenzene         | 16.466 | 284  | 66067    | 5.008 | ng    | 100      |
| 23) Atrazine                  | 16.615 | 200  | 42381    | 5.662 | ng    | 94       |
| 24) Pentachlorophenol         | 16.801 | 266  | 32164    | 6.248 | ng    | 99       |
| 25) Phenanthrene              | 17.186 | 178  | 269284   | 5.231 | ng    | 100      |
| 26) Anthracene                | 17.285 | 178  | 245335   | 5.527 | ng    | 100      |
| 28) Fluoranthene              | 19.220 | 202  | 289557   | 5.292 | ng    | 99       |
| 30) Pyrene                    | 19.582 | 202  | 291237   | 5.172 | ng    | 100      |
| 32) Benzo(a)anthracene        | 21.331 | 228  | 239112   | 5.412 | ng    | 98       |
| 33) Chrysene                  | 21.375 | 228  | 242638   | 4.987 | ng    | 99       |
| 34) Bis(2-ethylhexyl)phtha... | 21.268 | 149  | 125703   | 5.186 | ng    | 100      |
| 36) Indeno(1,2,3-cd)pyrene    | 25.963 | 276  | 293099   | 5.489 | ng    | 100      |
| 37) Benzo(b)fluoranthene      | 22.946 | 252  | 249557   | 5.399 | ng    | # 88     |
| 38) Benzo(k)fluoranthene      | 22.990 | 252  | 250888   | 5.444 | ng    | # 87     |
| 39) Benzo(a)pyrene            | 23.534 | 252  | 209188   | 5.530 | ng    | # 81     |
| 40) Dibenzo(a,h)anthracene    | 25.981 | 278  | 229223   | 5.567 | ng    | 95       |
| 41) Benzo(g,h,i)perylene      | 26.677 | 276  | 247112   | 5.369 | ng    | 97       |
| -----                         |        |      |          |       |       |          |

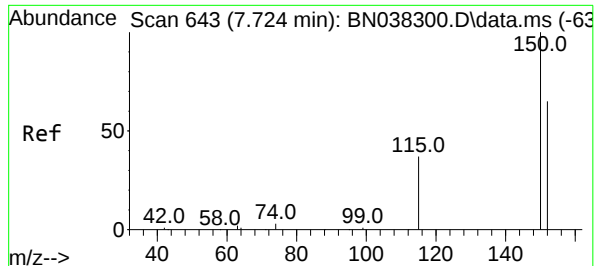
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN121025\  
Data File : BN038304.D  
Acq On : 10 Dec 2025 13:30  
Operator : RC/JU  
Sample : SSTDICC5.0  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC5.0

Quant Time: Dec 10 14:00:51 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN121025.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Dec 10 13:56:50 2025  
Response via : Initial Calibration

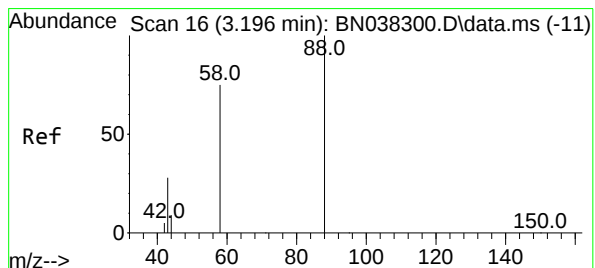
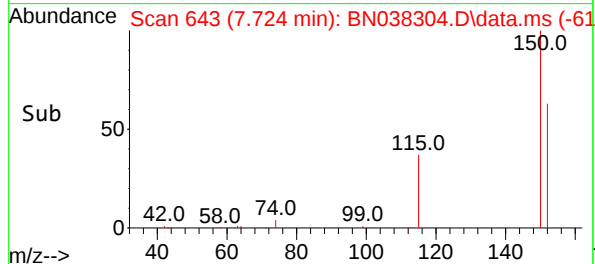
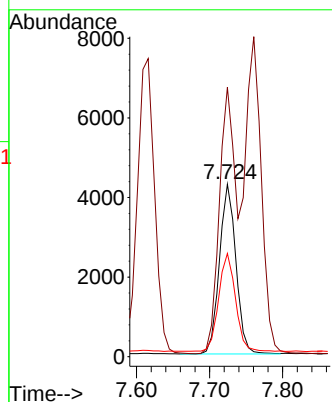
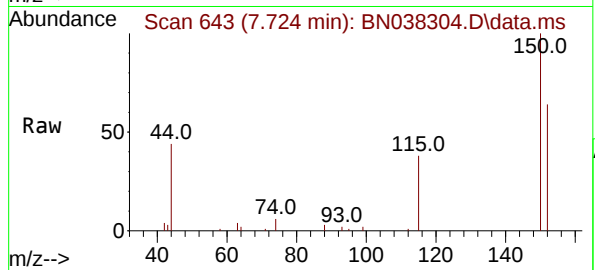




#1  
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.724 min Scan# 64  
Delta R.T. 0.000 min  
Lab File: BN038304.D  
Acq: 10 Dec 2025 13:30

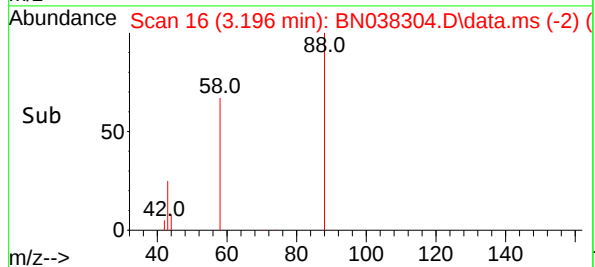
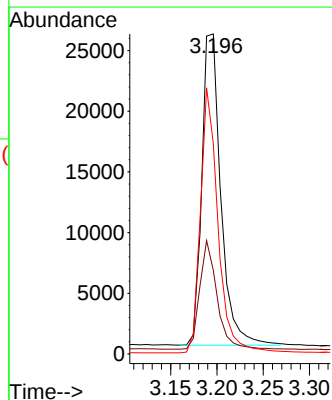
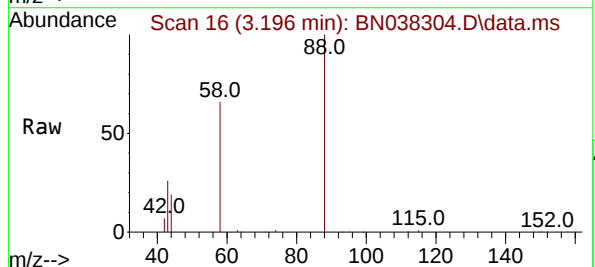
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC5.0

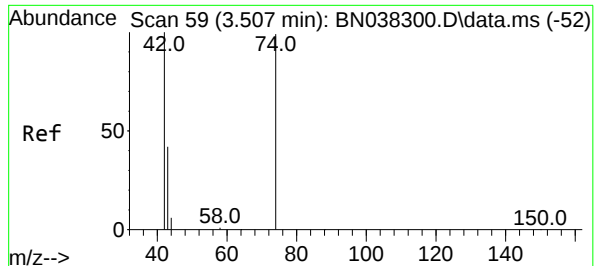
Tgt Ion:152 Resp: 6683  
Ion Ratio Lower Upper  
152 100  
150 156.2 122.4 183.6  
115 59.8 47.3 70.9



#2  
1,4-Dioxane  
Concen: 4.793 ng  
RT: 3.196 min Scan# 16  
Delta R.T. 0.000 min  
Lab File: BN038304.D  
Acq: 10 Dec 2025 13:30

Tgt Ion: 88 Resp: 36727  
Ion Ratio Lower Upper  
88 100  
43 31.7 24.9 37.3  
58 78.3 61.4 92.0

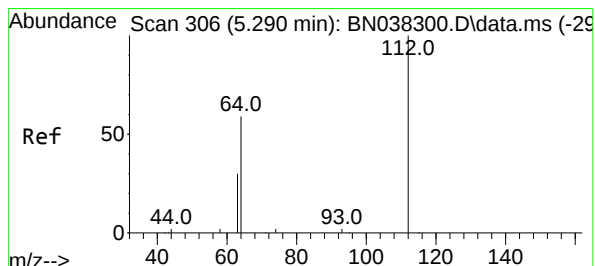
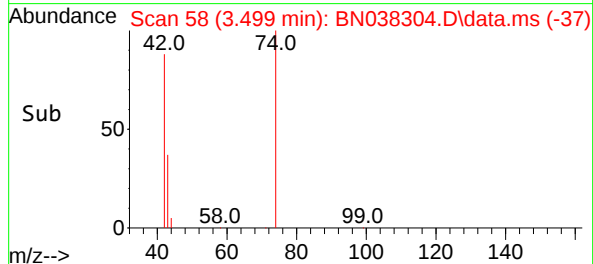
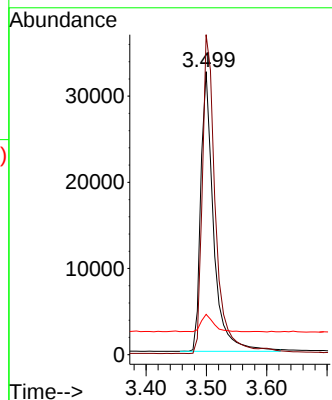
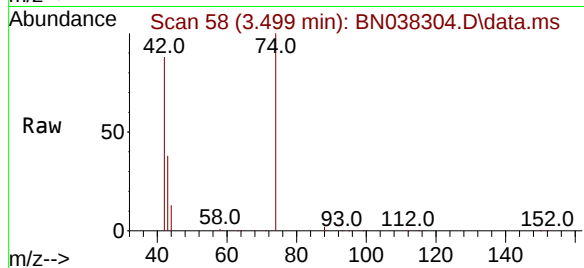




#3  
n-Nitrosodimethylamine  
Concen: 4.983 ng  
RT: 3.499 min Scan# 51  
Delta R.T. 0.000 min  
Lab File: BN038304.D  
Acq: 10 Dec 2025 13:30

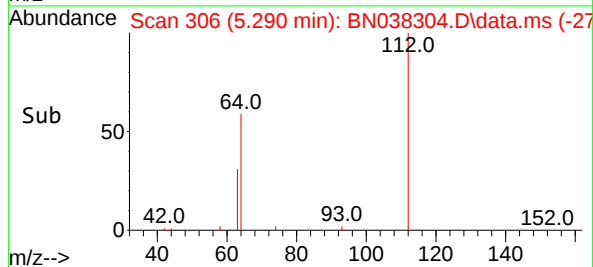
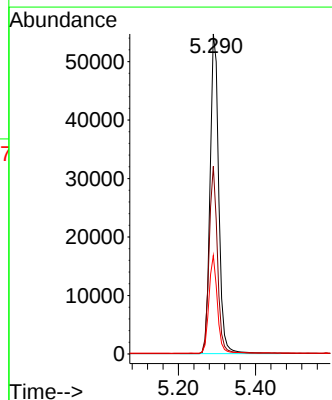
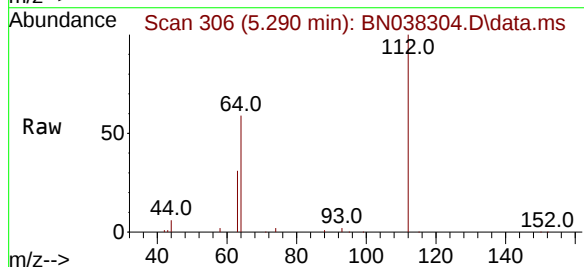
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC5.0

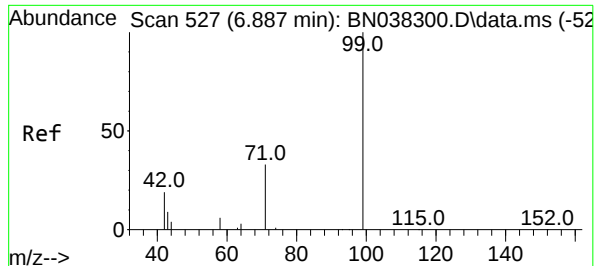
Tgt Ion: 42 Resp: 47875  
Ion Ratio Lower Upper  
42 100  
74 116.7 95.3 142.9  
44 5.9 7.9 11.9#



#4  
2-Fluorophenol  
Concen: 5.114 ng  
RT: 5.290 min Scan# 306  
Delta R.T. 0.000 min  
Lab File: BN038304.D  
Acq: 10 Dec 2025 13:30

Tgt Ion: 112 Resp: 85118  
Ion Ratio Lower Upper  
112 100  
64 56.5 44.4 66.6  
63 29.5 23.4 35.0

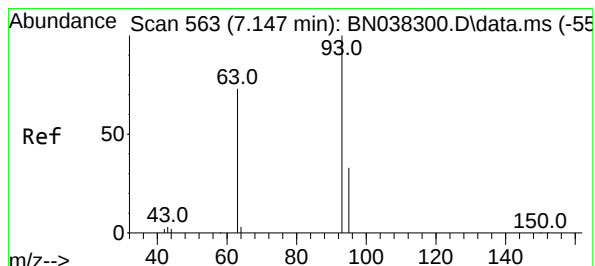
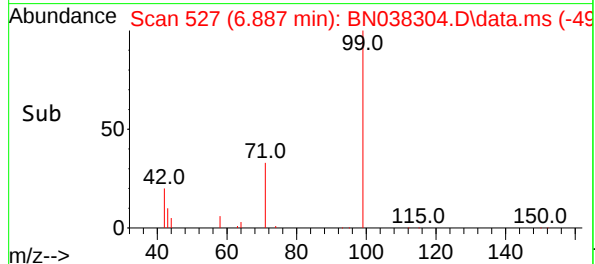
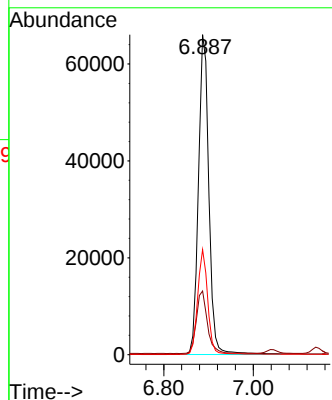
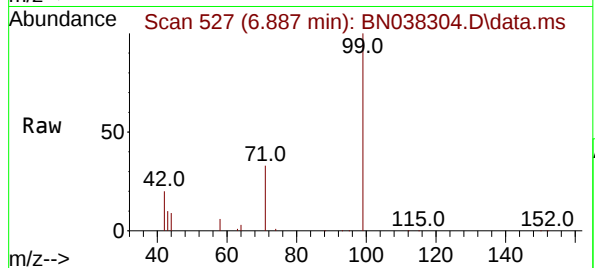




#5  
Phenol-d6  
Concen: 5.393 ng  
RT: 6.887 min Scan# 51  
Delta R.T. 0.000 min  
Lab File: BN038304.D  
Acq: 10 Dec 2025 13:30

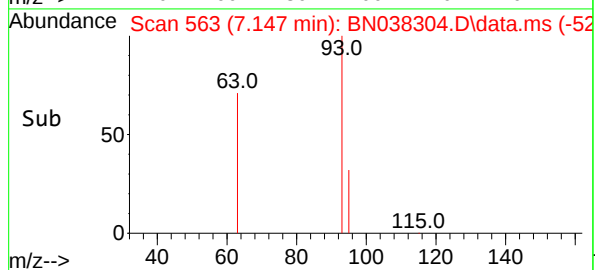
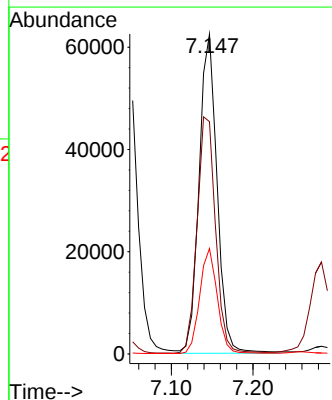
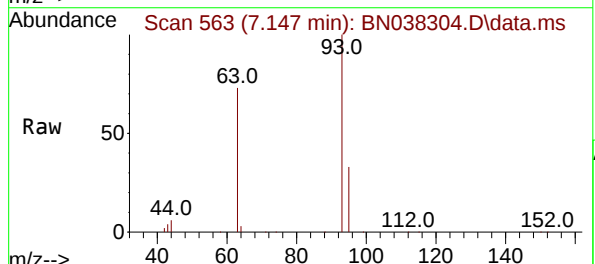
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC5.0

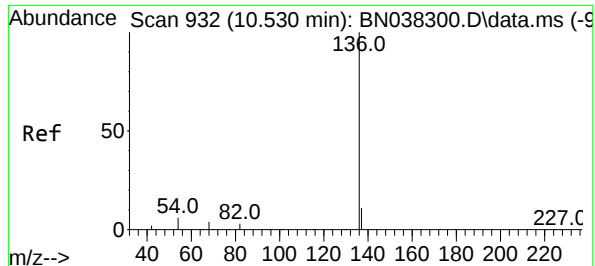
Tgt Ion: 99 Resp: 106714  
Ion Ratio Lower Upper  
99 100  
42 20.8 16.5 24.7  
71 31.8 24.9 37.3



#6  
bis(2-Chloroethyl)ether  
Concen: 4.949 ng  
RT: 7.147 min Scan# 563  
Delta R.T. 0.000 min  
Lab File: BN038304.D  
Acq: 10 Dec 2025 13:30

Tgt Ion: 93 Resp: 95792  
Ion Ratio Lower Upper  
93 100  
63 76.0 59.2 88.8  
95 32.3 25.2 37.8

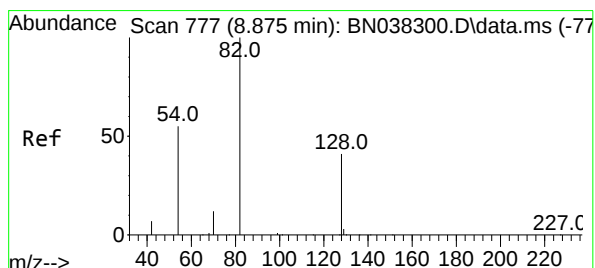
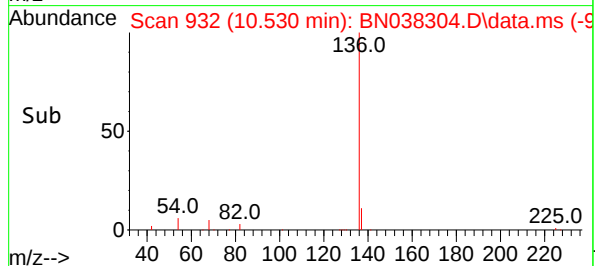
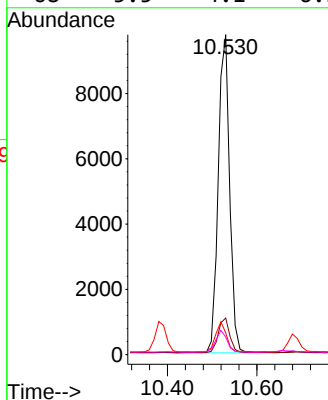
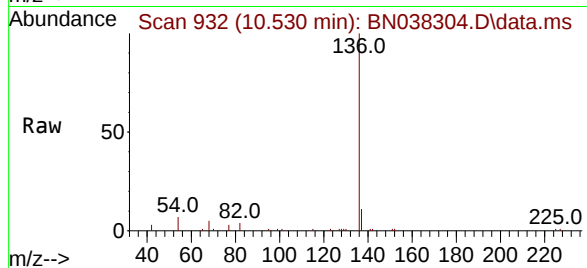




#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.530 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: BN038304.D  
Acq: 10 Dec 2025 13:30

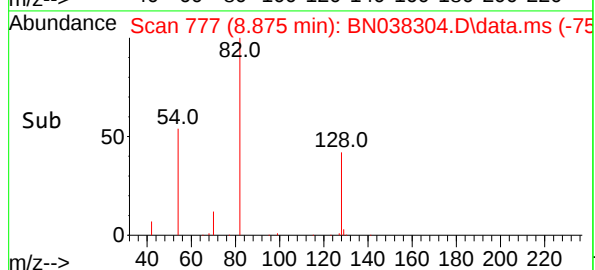
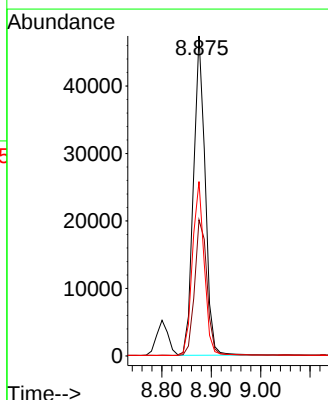
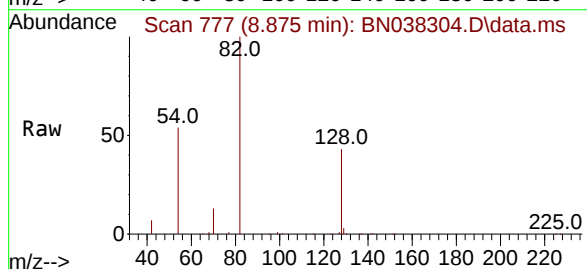
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC5.0

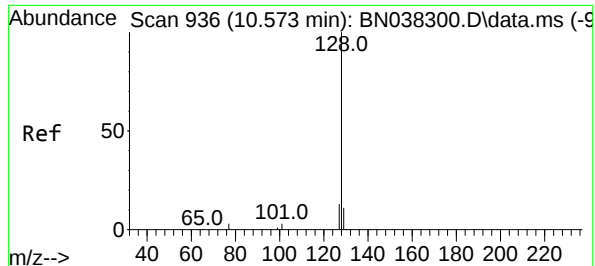
Tgt Ion:136 Resp: 17297  
Ion Ratio Lower Upper  
136 100  
137 11.5 9.1 13.7  
54 6.8 5.2 7.8  
68 5.5 4.1 6.1



#8  
Nitrobenzene-d5  
Concen: 5.316 ng  
RT: 8.875 min Scan# 777  
Delta R.T. 0.000 min  
Lab File: BN038304.D  
Acq: 10 Dec 2025 13:30

Tgt Ion: 82 Resp: 77560  
Ion Ratio Lower Upper  
82 100  
128 42.6 34.0 51.0  
54 54.5 44.4 66.6

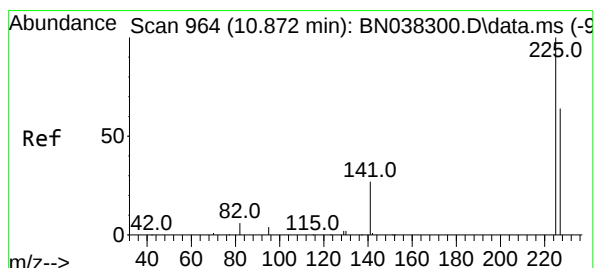
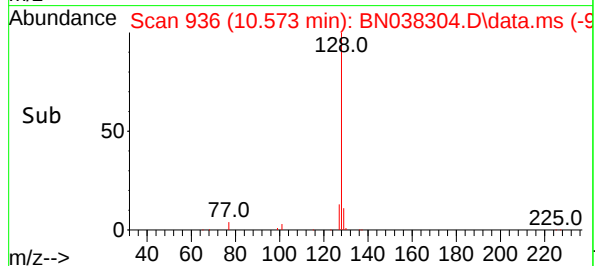
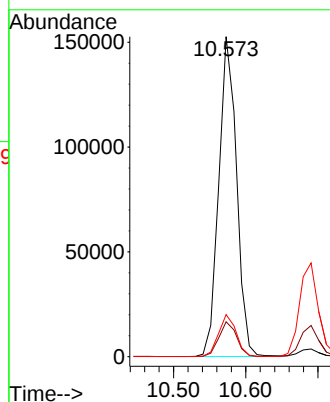
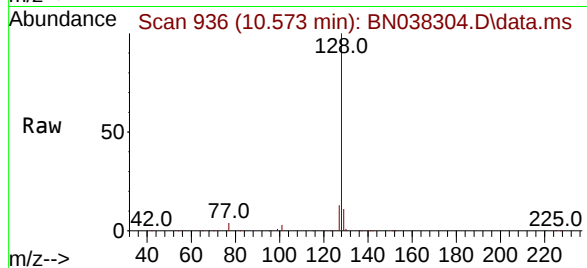




#9  
Naphthalene  
Concen: 5.096 ng  
RT: 10.573 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: BN038304.D  
Acq: 10 Dec 2025 13:30

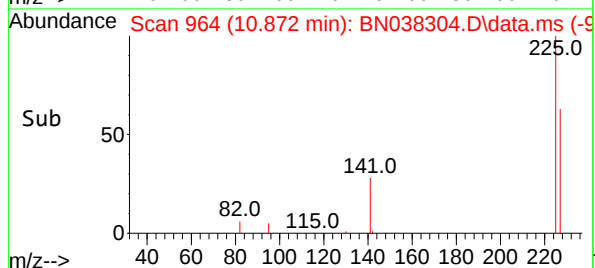
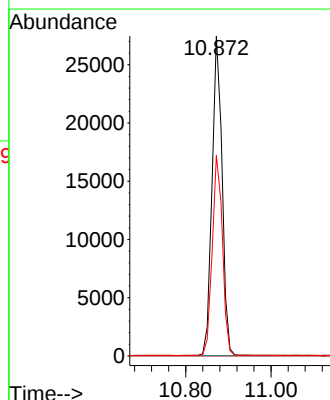
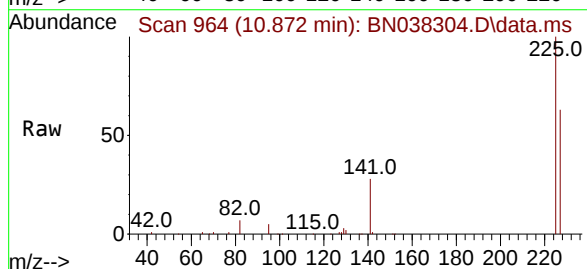
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC5.0

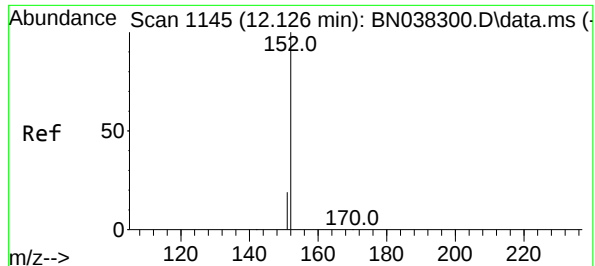
Tgt Ion:128 Resp: 260570  
Ion Ratio Lower Upper  
128 100  
129 10.9 9.1 13.7  
127 13.2 10.9 16.3



#10  
Hexachlorobutadiene  
Concen: 4.904 ng  
RT: 10.872 min Scan# 964  
Delta R.T. 0.000 min  
Lab File: BN038304.D  
Acq: 10 Dec 2025 13:30

Tgt Ion:225 Resp: 44570  
Ion Ratio Lower Upper  
225 100  
223 0.0 0.0 0.0  
227 63.7 51.2 76.8

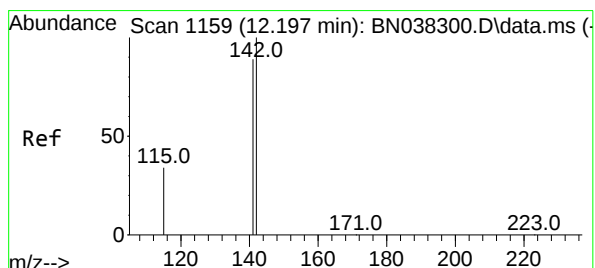
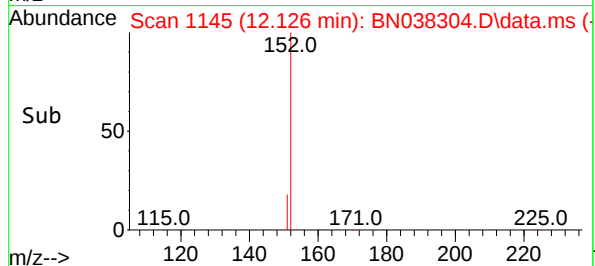
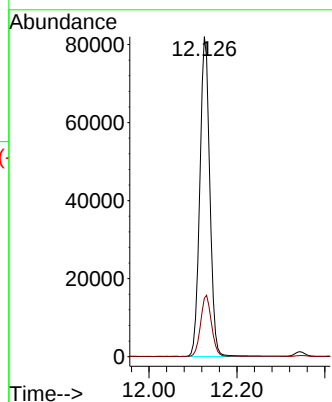
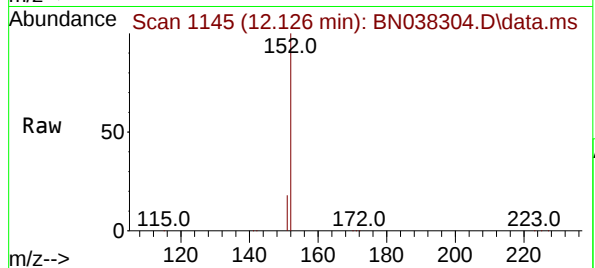




#11  
2-Methylnaphthalene-d10  
Concen: 5.310 ng  
RT: 12.126 min Scan# 1145  
Delta R.T. 0.000 min  
Lab File: BN038304.D  
Acq: 10 Dec 2025 13:30

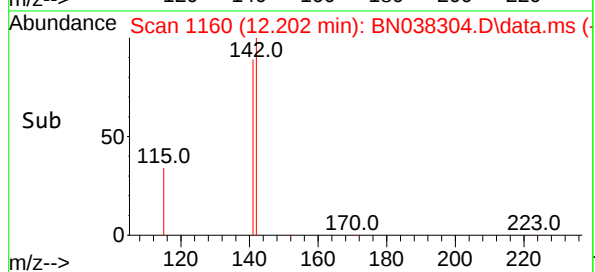
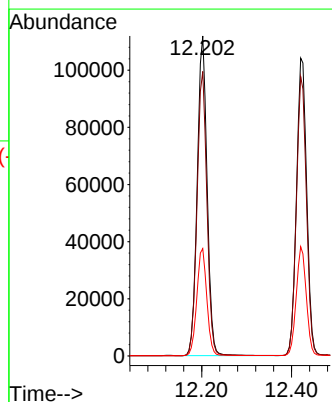
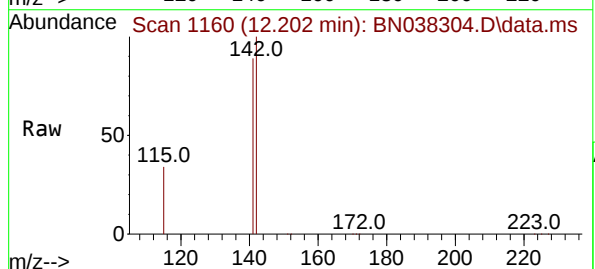
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC5.0

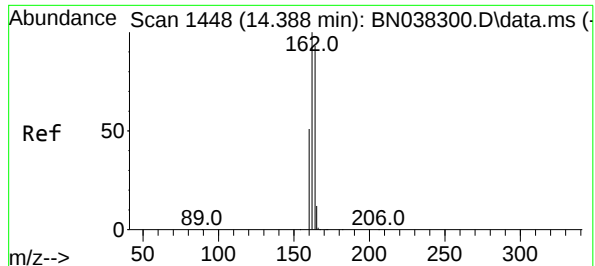
Tgt Ion:152 Resp: 129558  
Ion Ratio Lower Upper  
152 100  
151 20.9 17.0 25.6



#12  
2-Methylnaphthalene  
Concen: 5.257 ng  
RT: 12.202 min Scan# 1160  
Delta R.T. 0.000 min  
Lab File: BN038304.D  
Acq: 10 Dec 2025 13:30

Tgt Ion:142 Resp: 170617  
Ion Ratio Lower Upper  
142 100  
141 88.9 71.4 107.2  
115 33.6 28.4 42.6

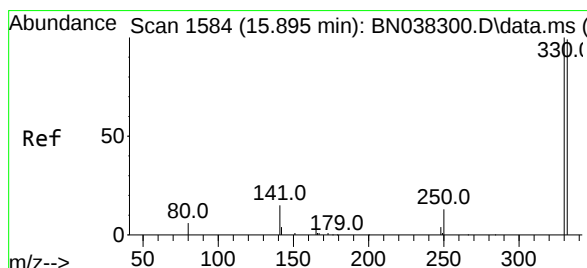
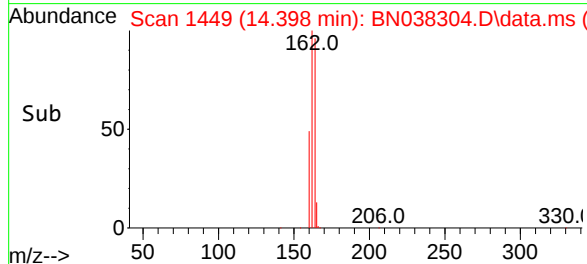
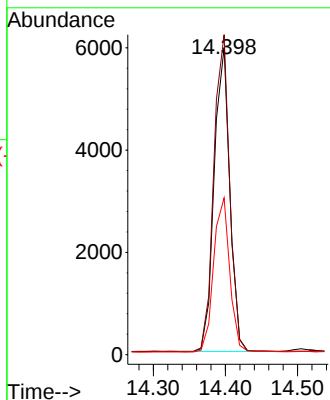
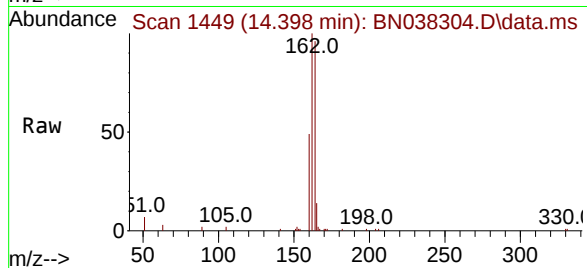




#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.398 min Scan# 1449  
Delta R.T. 0.000 min  
Lab File: BN038304.D  
Acq: 10 Dec 2025 13:30

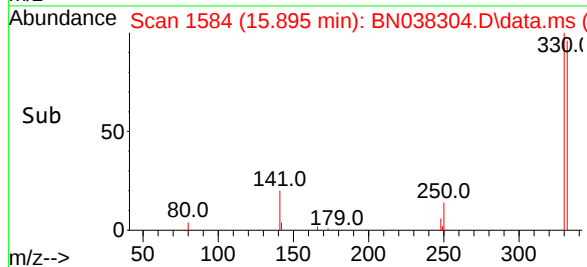
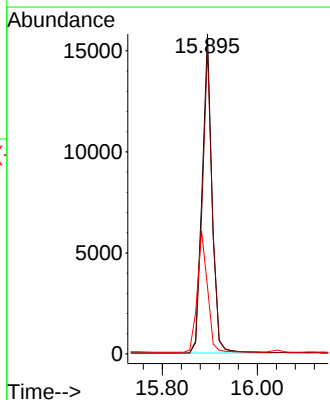
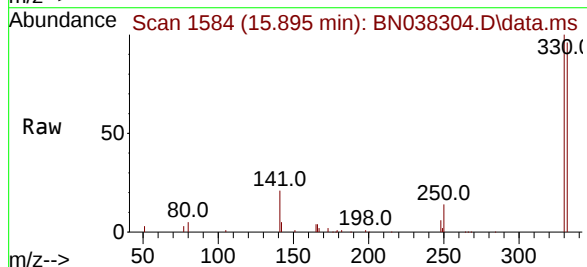
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC5.0

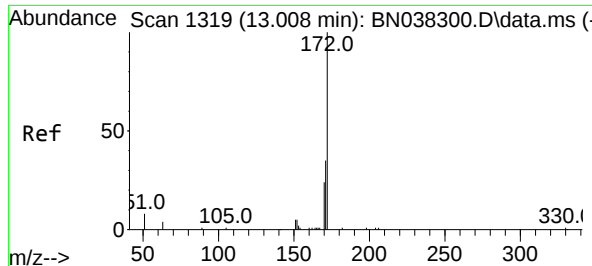
Tgt Ion:164 Resp: 8946  
Ion Ratio Lower Upper  
164 100  
162 104.2 86.2 129.4  
160 51.0 44.6 67.0



#14  
2,4,6-Tribromophenol  
Concen: 5.773 ng  
RT: 15.895 min Scan# 1584  
Delta R.T. 0.000 min  
Lab File: BN038304.D  
Acq: 10 Dec 2025 13:30

Tgt Ion:330 Resp: 22914  
Ion Ratio Lower Upper  
330 100  
332 96.0 75.8 113.6  
141 38.8 31.8 47.8

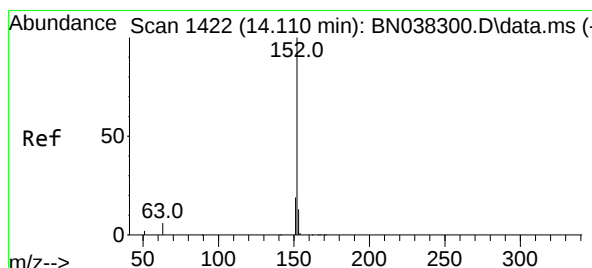
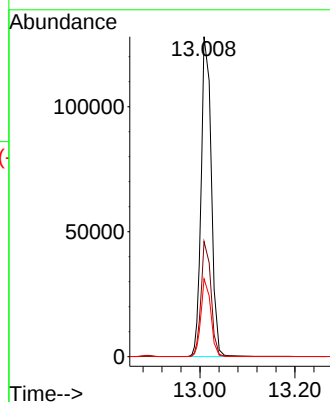
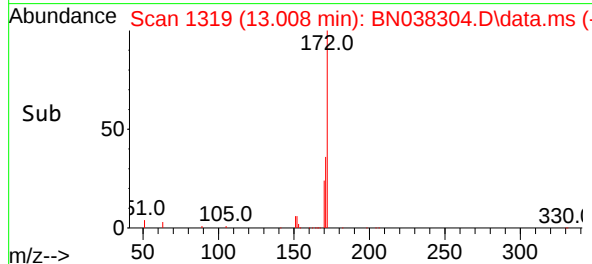
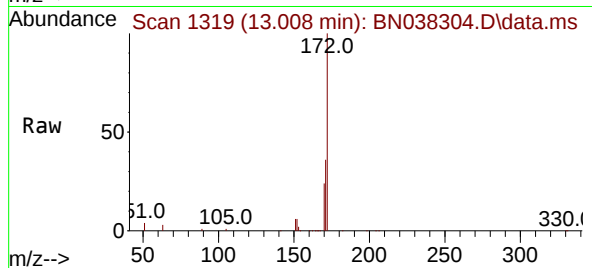




#15  
2-Fluorobiphenyl  
Concen: 4.719 ng  
RT: 13.008 min Scan# 1319  
Delta R.T. 0.000 min  
Lab File: BN038304.D  
Acq: 10 Dec 2025 13:30

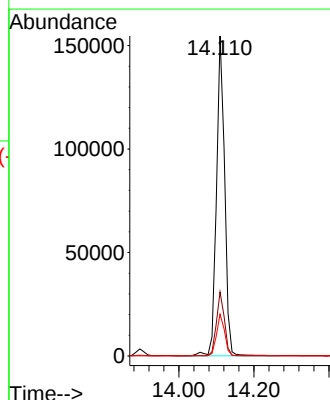
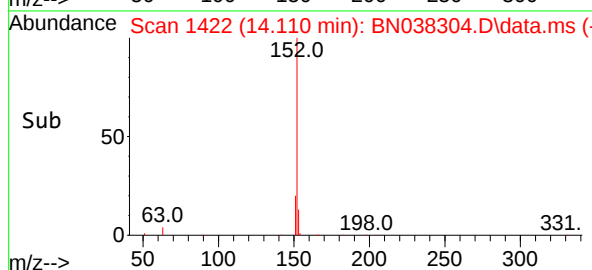
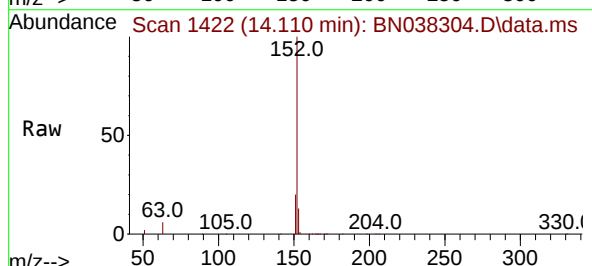
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC5.0

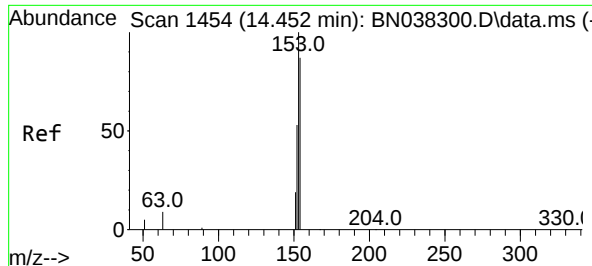
Tgt Ion:172 Resp: 203375  
Ion Ratio Lower Upper  
172 100  
171 36.0 28.6 42.8  
170 24.3 19.3 28.9



#16  
Acenaphthylene  
Concen: 5.323 ng  
RT: 14.110 min Scan# 1422  
Delta R.T. 0.000 min  
Lab File: BN038304.D  
Acq: 10 Dec 2025 13:30

Tgt Ion:152 Resp: 233854  
Ion Ratio Lower Upper  
152 100  
151 19.6 15.4 23.2  
153 13.0 10.2 15.4

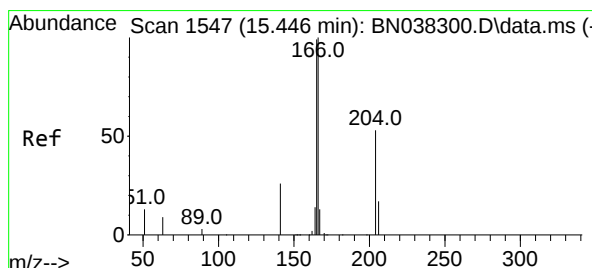
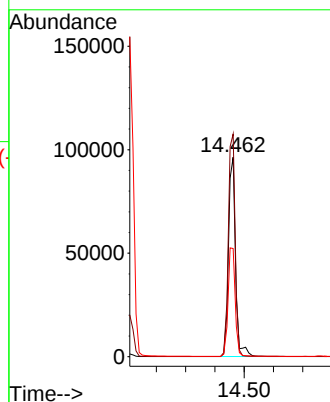
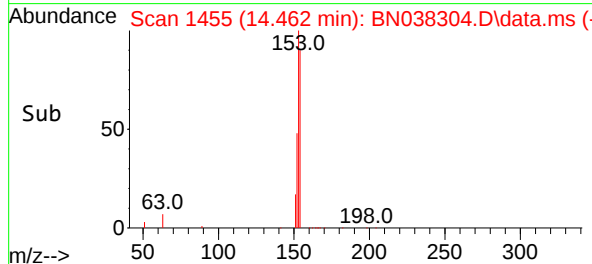
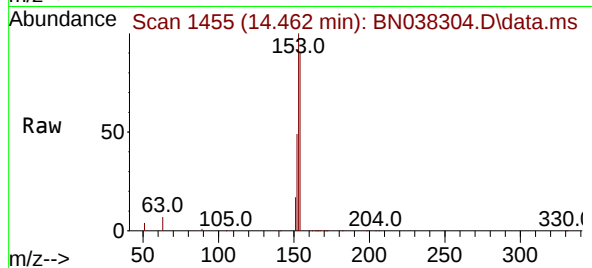




#17  
Acenaphthene  
Concen: 5.225 ng  
RT: 14.462 min Scan# 1455  
Delta R.T. 0.000 min  
Lab File: BN038304.D  
Acq: 10 Dec 2025 13:30

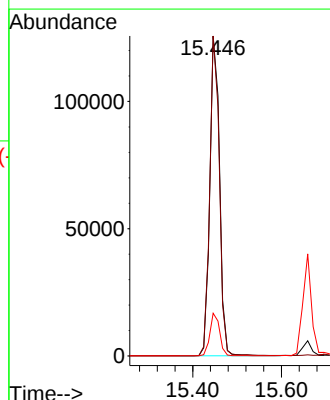
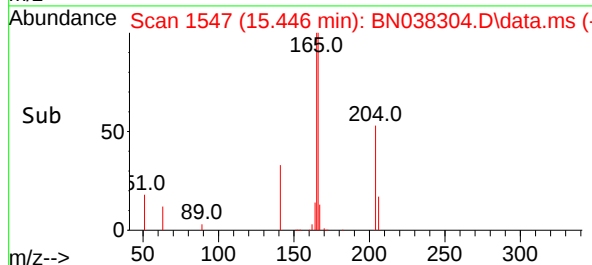
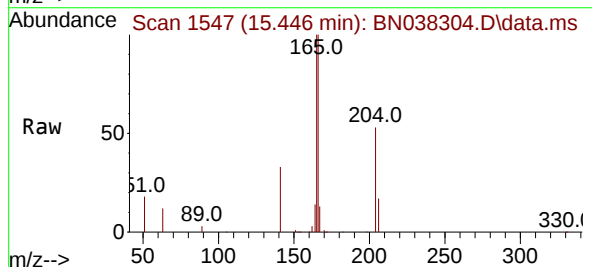
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC5.0

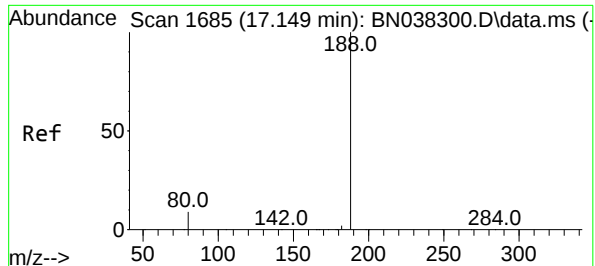
Tgt Ion:154 Resp: 159912  
Ion Ratio Lower Upper  
154 100  
153 108.9 89.8 134.8  
152 55.4 47.5 71.3



#18  
Fluorene  
Concen: 5.116 ng  
RT: 15.446 min Scan# 1547  
Delta R.T. -0.000 min  
Lab File: BN038304.D  
Acq: 10 Dec 2025 13:30

Tgt Ion:166 Resp: 201458  
Ion Ratio Lower Upper  
166 100  
165 98.0 80.2 120.4  
167 13.2 10.6 16.0





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.148 min Scan# 1

Delta R.T. 0.000 min

Lab File: BN038304.D

Acq: 10 Dec 2025 13:30

Instrument :

BNA\_N

ClientSampleId :

SSTDICC5.0

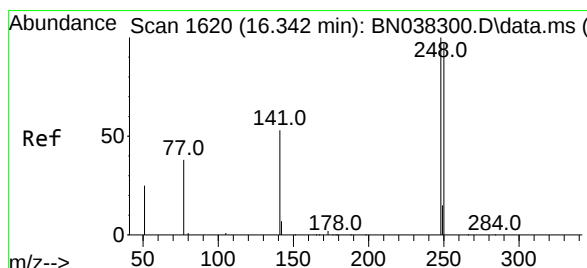
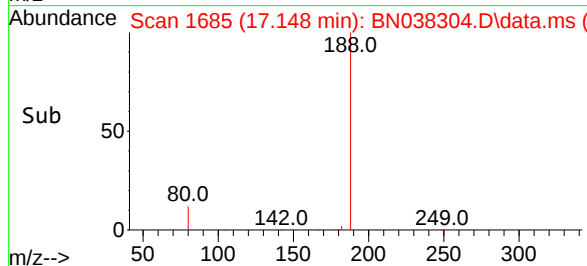
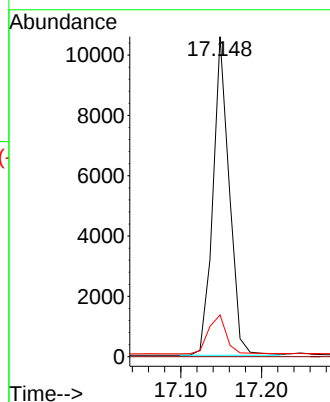
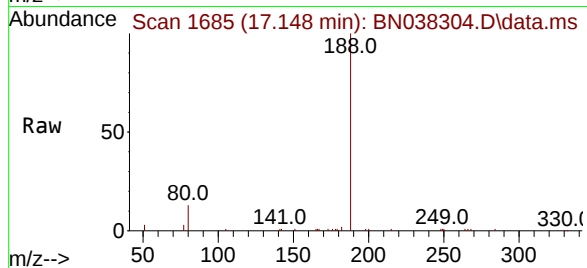
Tgt Ion:188 Resp: 14791

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 13.1 7.4 11.0#



#21

4-Bromophenyl-phenylether

Concen: 5.358 ng

RT: 16.342 min Scan# 1620

Delta R.T. -0.000 min

Lab File: BN038304.D

Acq: 10 Dec 2025 13:30

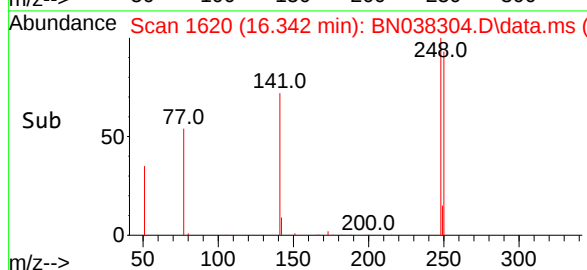
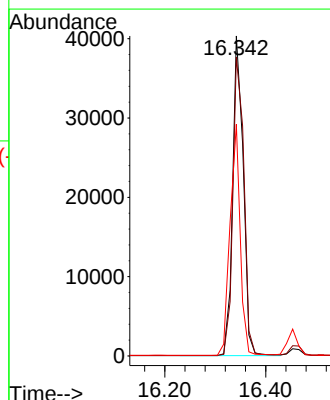
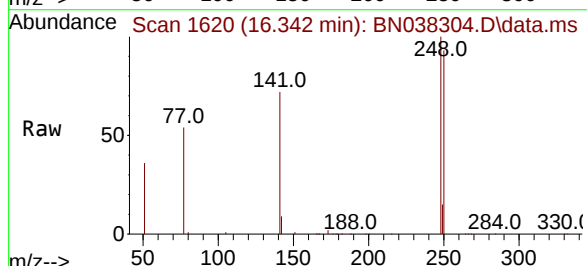
Tgt Ion:248 Resp: 58800

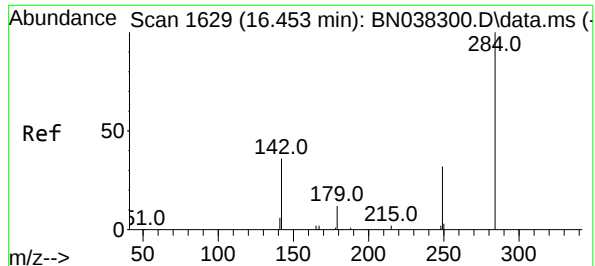
Ion Ratio Lower Upper

248 100

250 93.4 78.2 117.2

141 72.4 43.7 65.5#

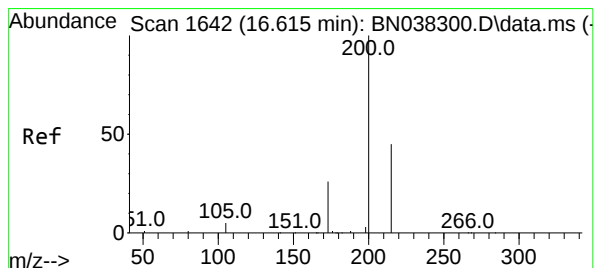
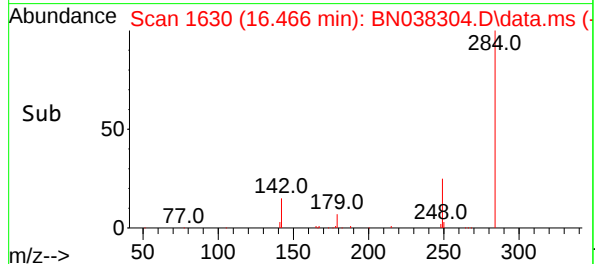
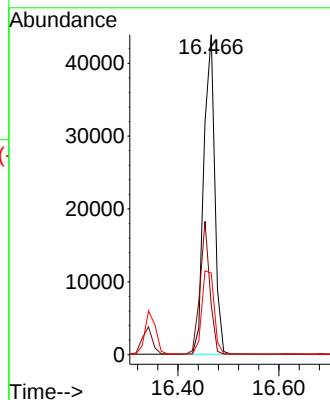
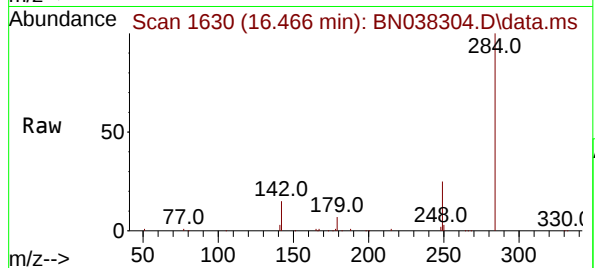




#22  
Hexachlorobenzene  
Concen: 5.008 ng  
RT: 16.466 min Scan# 1630  
Delta R.T. 0.000 min  
Lab File: BN038304.D  
Acq: 10 Dec 2025 13:30

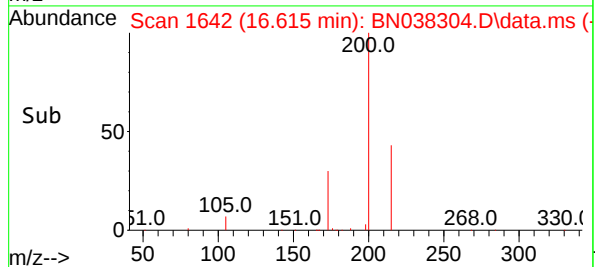
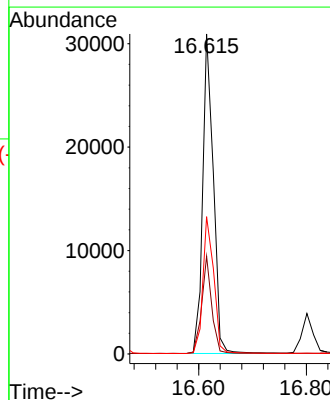
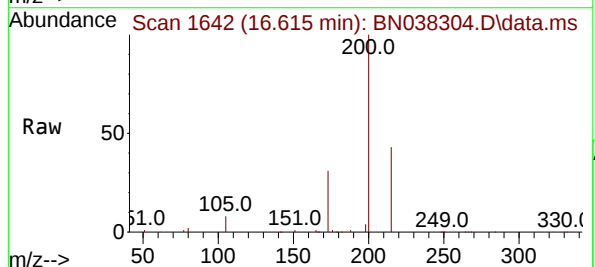
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC5.0

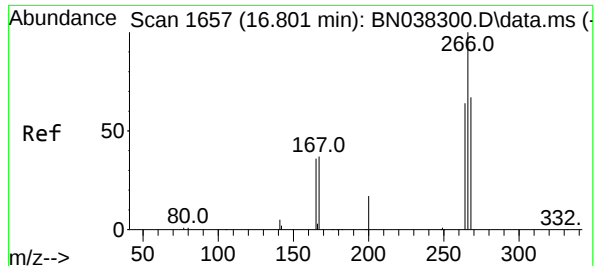
Tgt Ion:284 Resp: 66067  
Ion Ratio Lower Upper  
284 100  
142 37.3 29.5 44.3  
249 29.4 23.7 35.5



#23  
Atrazine  
Concen: 5.662 ng  
RT: 16.615 min Scan# 1642  
Delta R.T. 0.000 min  
Lab File: BN038304.D  
Acq: 10 Dec 2025 13:30

Tgt Ion:200 Resp: 42381  
Ion Ratio Lower Upper  
200 100  
173 30.6 22.1 33.1  
215 42.9 37.4 56.2

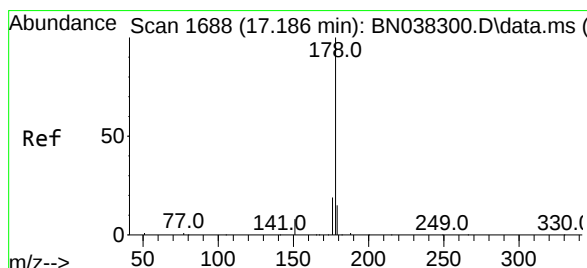
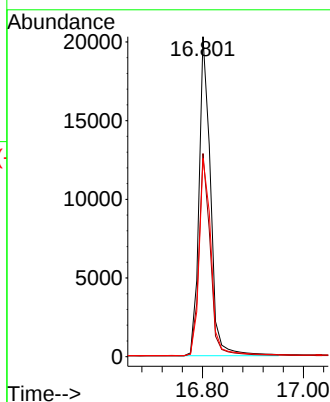
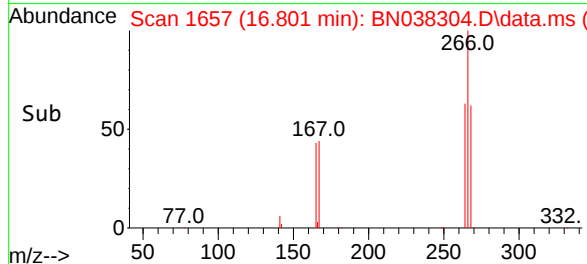
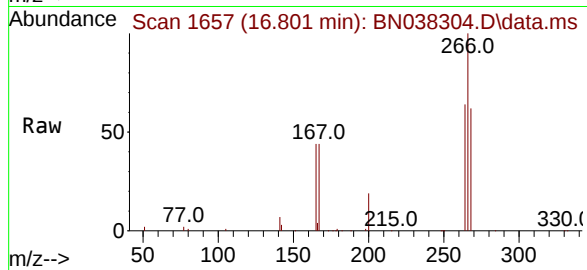




#24  
Pentachlorophenol  
Concen: 6.248 ng  
RT: 16.801 min Scan# 1657  
Delta R.T. 0.000 min  
Lab File: BN038304.D  
Acq: 10 Dec 2025 13:30

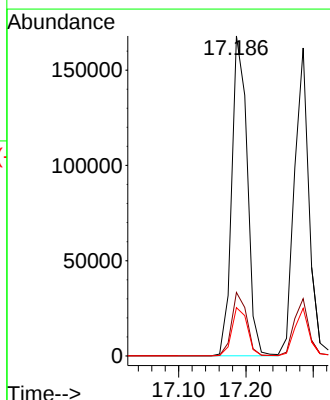
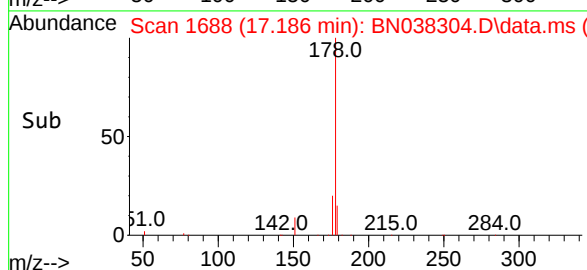
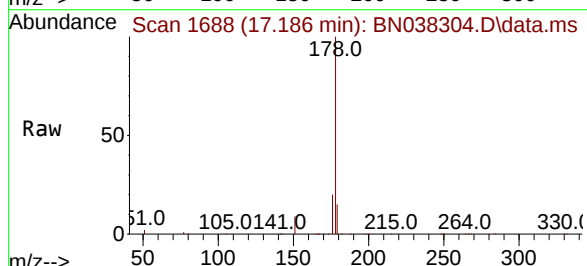
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC5.0

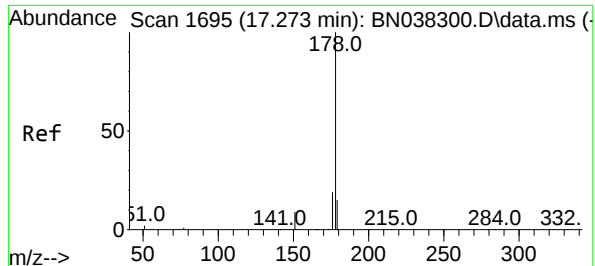
| Tgt Ion | 266  | Ratio | 100  | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 266     | 100  |       |      |       |       |
| 264     | 62.8 |       | 50.2 | 75.2  |       |
| 268     | 64.3 |       | 52.6 | 78.8  |       |



#25  
Phenanthrene  
Concen: 5.231 ng  
RT: 17.186 min Scan# 1688  
Delta R.T. 0.000 min  
Lab File: BN038304.D  
Acq: 10 Dec 2025 13:30

| Tgt Ion | 178  | Ratio | 100  | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 178     | 100  |       |      |       |       |
| 176     | 19.4 |       | 15.5 | 23.3  |       |
| 179     | 15.2 |       | 12.2 | 18.2  |       |

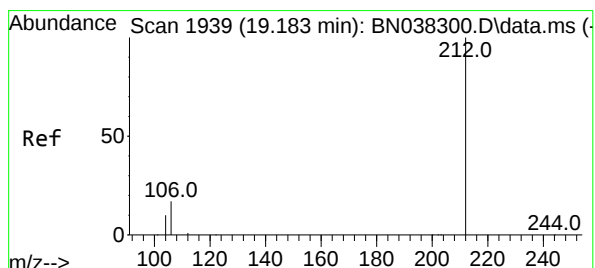
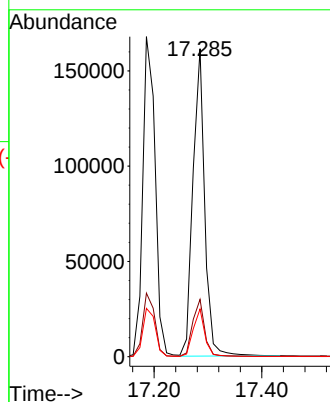
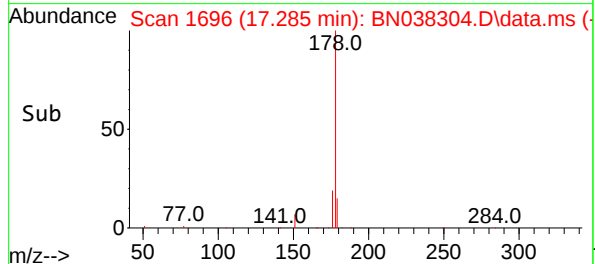
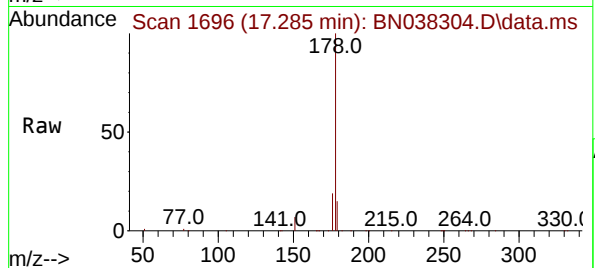




#26  
Anthracene  
Concen: 5.527 ng  
RT: 17.285 min Scan# 1696  
Delta R.T. 0.000 min  
Lab File: BN038304.D  
Acq: 10 Dec 2025 13:30

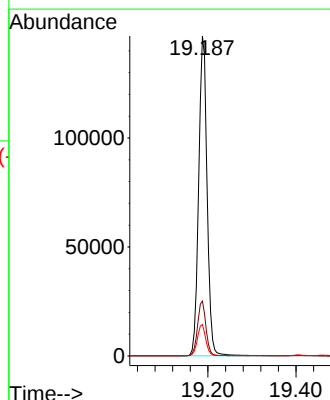
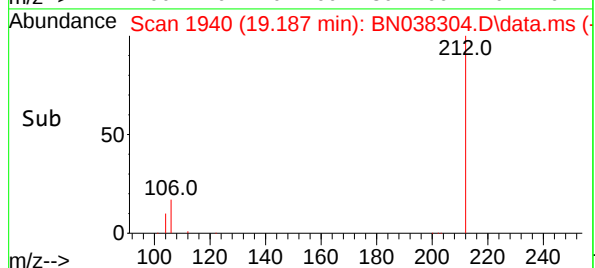
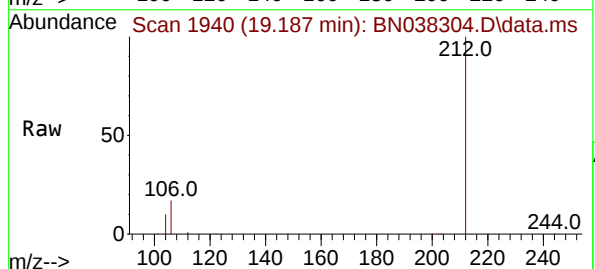
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC5.0

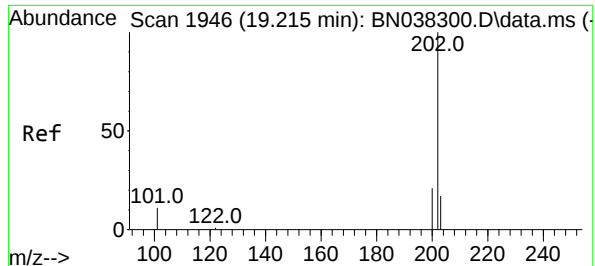
Tgt Ion:178 Resp: 245335  
Ion Ratio Lower Upper  
178 100  
176 18.8 15.1 22.7  
179 15.3 12.0 18.0



#27  
Fluoranthene-d10  
Concen: 5.322 ng  
RT: 19.187 min Scan# 1940  
Delta R.T. 0.000 min  
Lab File: BN038304.D  
Acq: 10 Dec 2025 13:30

Tgt Ion:212 Resp: 194683  
Ion Ratio Lower Upper  
212 100  
106 17.1 13.7 20.5  
104 9.7 7.8 11.8





#28

Fluoranthene

Concen: 5.292 ng

RT: 19.220 min Scan# 1946

Delta R.T. 0.000 min

Lab File: BN038304.D

Acq: 10 Dec 2025 13:30

Instrument :

BNA\_N

ClientSampleId :

SSTDICC5.0

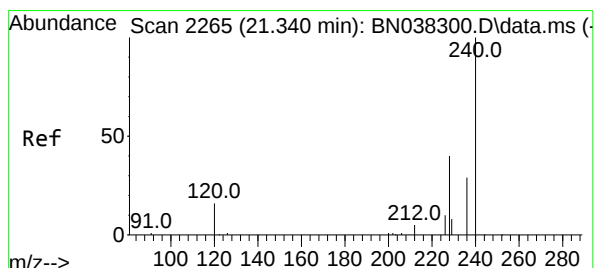
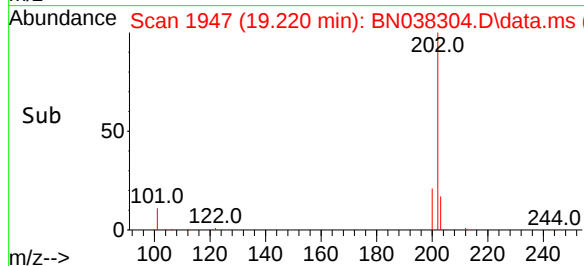
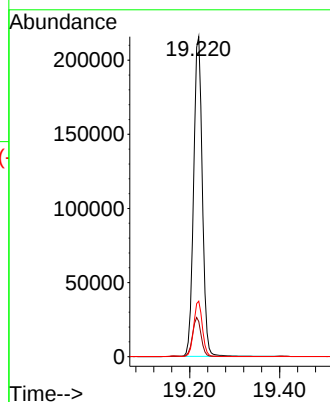
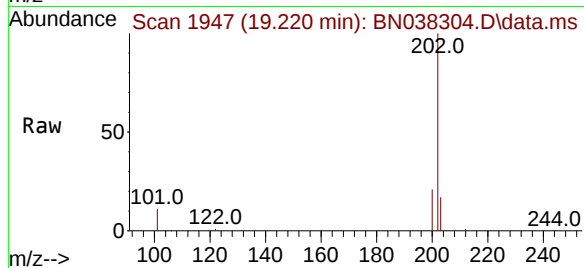
Tgt Ion:202 Resp: 289557

Ion Ratio Lower Upper

202 100

101 12.3 9.6 14.4

203 17.2 13.5 20.3



#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.340 min Scan# 2265

Delta R.T. 0.000 min

Lab File: BN038304.D

Acq: 10 Dec 2025 13:30

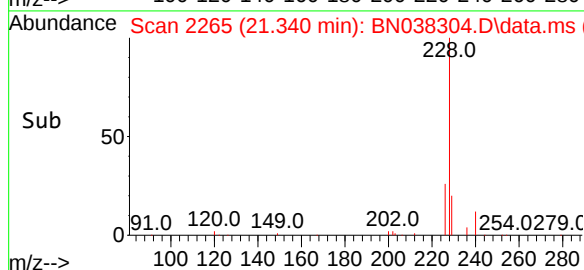
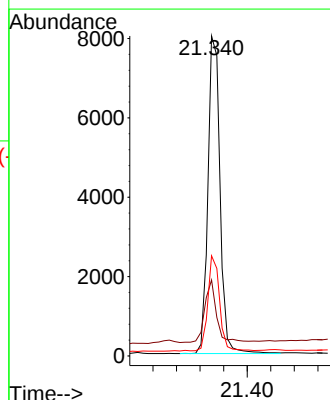
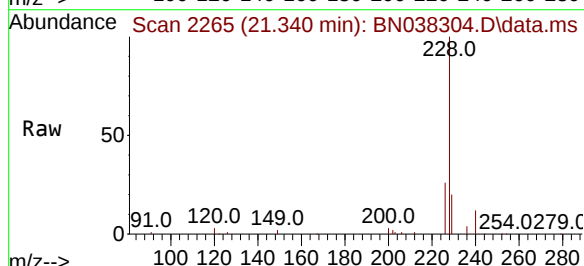
Tgt Ion:240 Resp: 11438

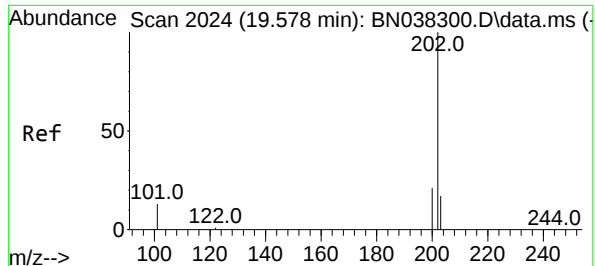
Ion Ratio Lower Upper

240 100

120 23.8 15.4 23.2

236 31.3 23.9 35.9

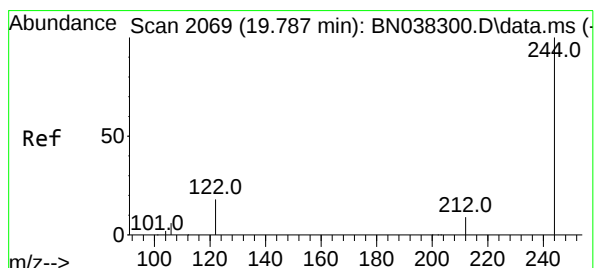
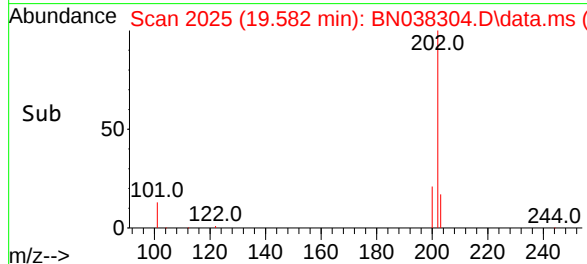
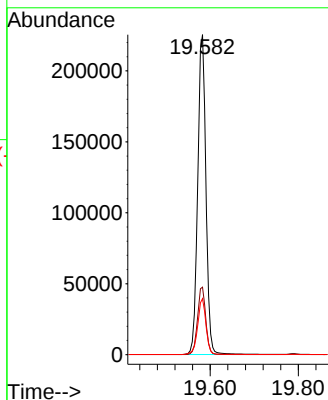
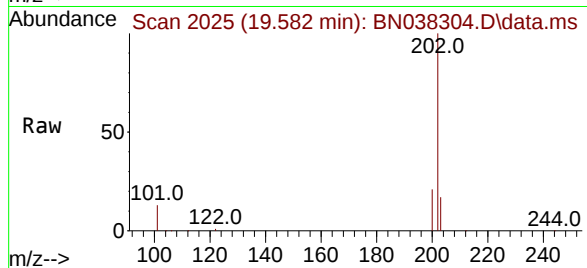




#30  
Pyrene  
Concen: 5.172 ng  
RT: 19.582 min Scan# 2070  
Delta R.T. 0.000 min  
Lab File: BN038304.D  
Acq: 10 Dec 2025 13:30

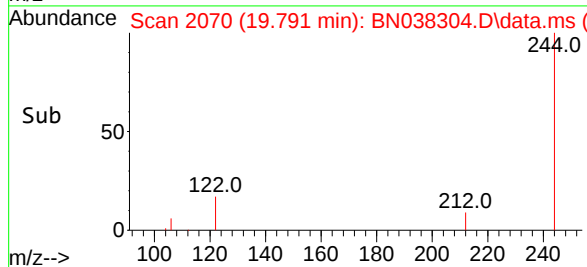
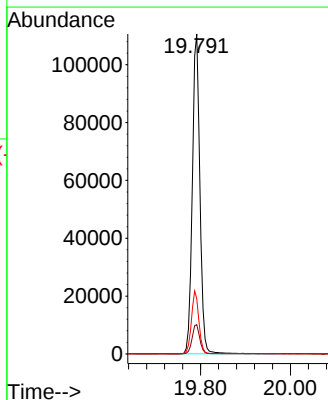
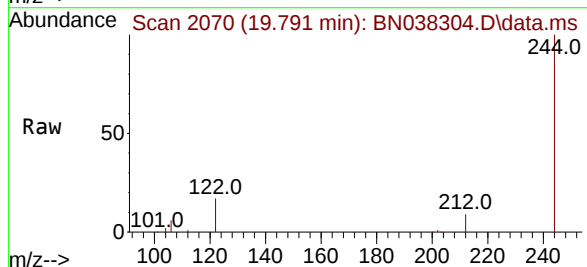
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC5.0

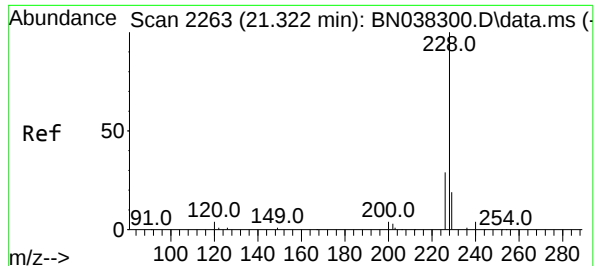
Tgt Ion:202 Resp: 291237  
Ion Ratio Lower Upper  
202 100  
200 21.3 16.9 25.3  
203 17.7 14.2 21.2



#31  
Terphenyl-d14  
Concen: 5.061 ng  
RT: 19.791 min Scan# 2070  
Delta R.T. 0.000 min  
Lab File: BN038304.D  
Acq: 10 Dec 2025 13:30

Tgt Ion:244 Resp: 129183  
Ion Ratio Lower Upper  
244 100  
212 9.1 7.9 11.9  
122 17.2 15.0 22.6

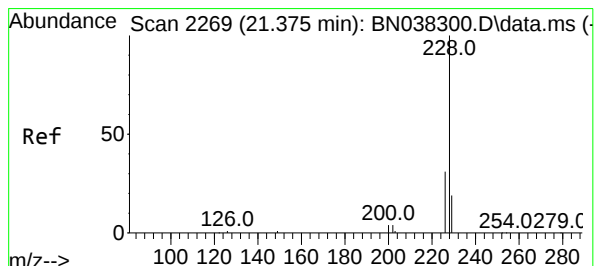
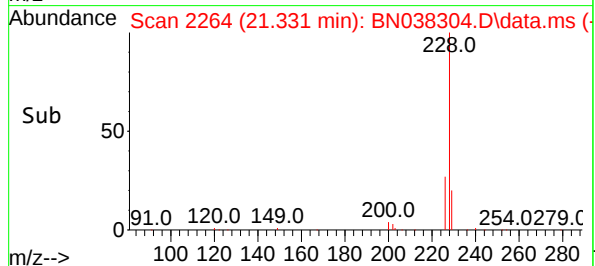
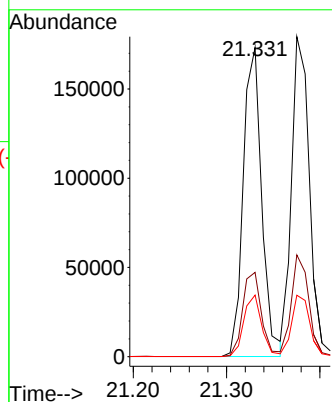
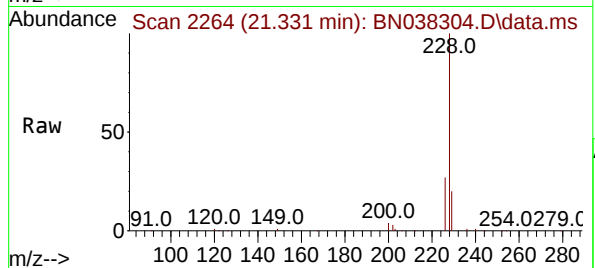




#32  
Benzo(a)anthracene  
Concen: 5.412 ng  
RT: 21.331 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: BN038304.D  
Acq: 10 Dec 2025 13:30

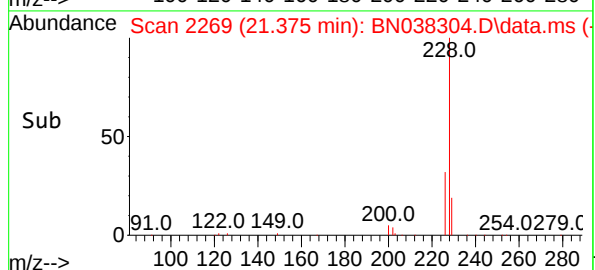
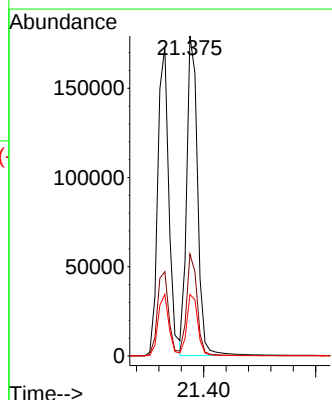
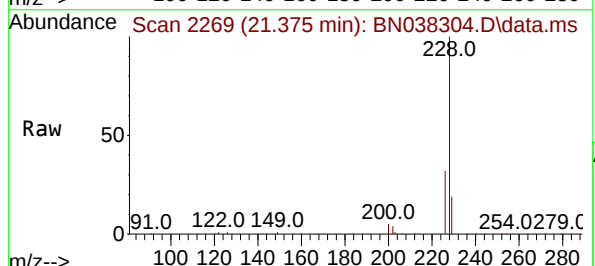
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC5.0

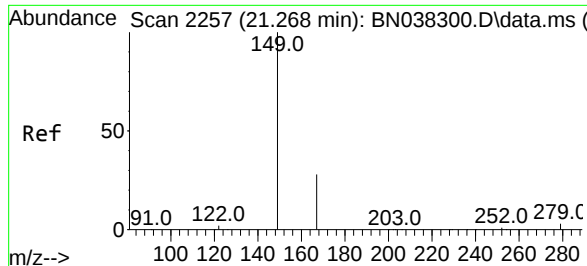
Tgt Ion:228 Resp: 239112  
Ion Ratio Lower Upper  
228 100  
226 27.3 23.3 34.9  
229 19.9 15.7 23.5



#33  
Chrysene  
Concen: 4.987 ng  
RT: 21.375 min Scan# 2269  
Delta R.T. 0.000 min  
Lab File: BN038304.D  
Acq: 10 Dec 2025 13:30

Tgt Ion:228 Resp: 242638  
Ion Ratio Lower Upper  
228 100  
226 31.8 25.0 37.4  
229 19.2 15.5 23.3

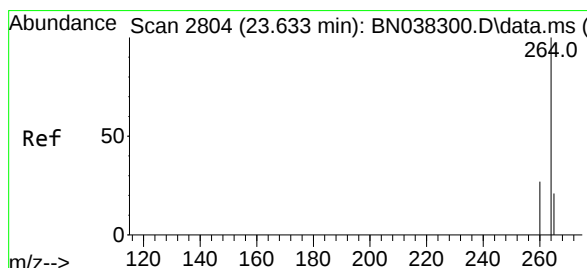
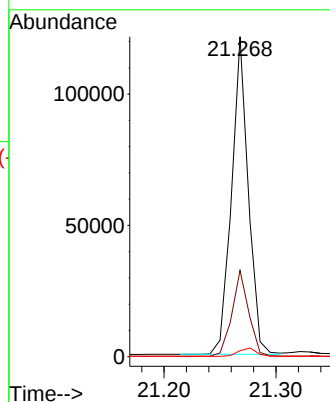
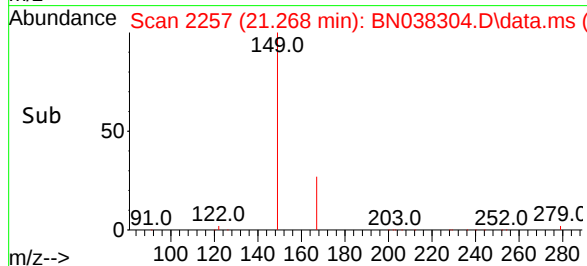
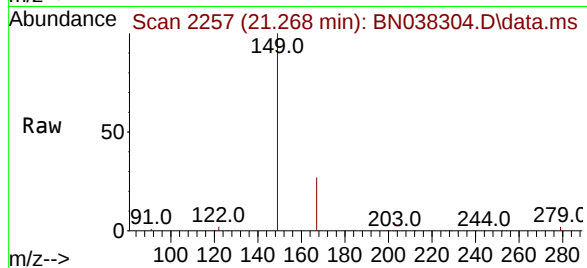




#34  
Bis(2-ethylhexyl)phthalate  
Concen: 5.186 ng  
RT: 21.268 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: BN038304.D  
Acq: 10 Dec 2025 13:30

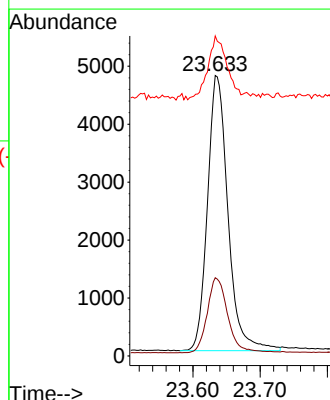
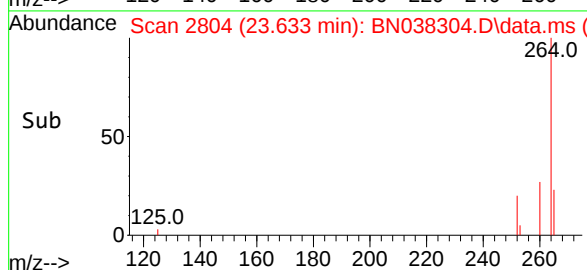
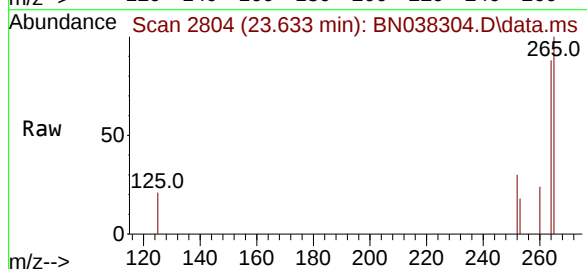
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC5.0

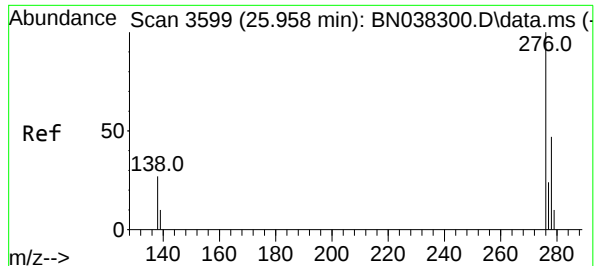
Tgt Ion:149 Resp: 125703  
Ion Ratio Lower Upper  
149 100  
167 26.9 21.4 32.0  
279 2.9 2.4 3.6



#35  
Perylene-d12  
Concen: 0.400 ng  
RT: 23.633 min Scan# 2804  
Delta R.T. 0.000 min  
Lab File: BN038304.D  
Acq: 10 Dec 2025 13:30

Tgt Ion:264 Resp: 10064  
Ion Ratio Lower Upper  
264 100  
260 27.9 22.2 33.2  
265 114.1 80.2 120.2





#36

Indeno(1,2,3-cd)pyrene

Concen: 5.489 ng

RT: 25.963 min Scan# 30

Delta R.T. 0.000 min

Lab File: BN038304.D

Acq: 10 Dec 2025 13:30

Instrument :

BNA\_N

ClientSampleId :

SSTDICC5.0

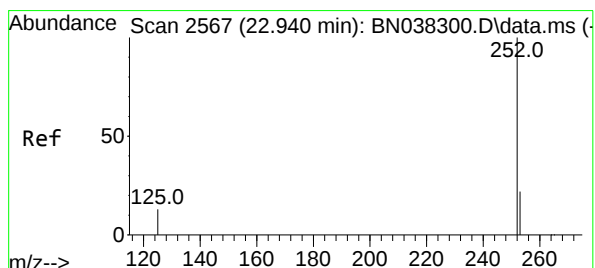
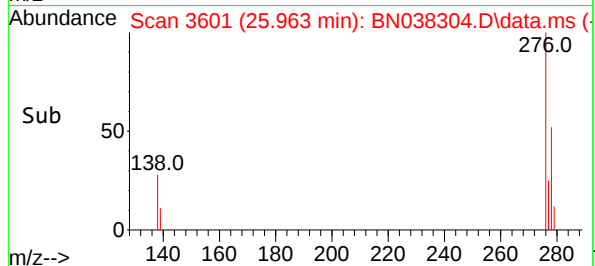
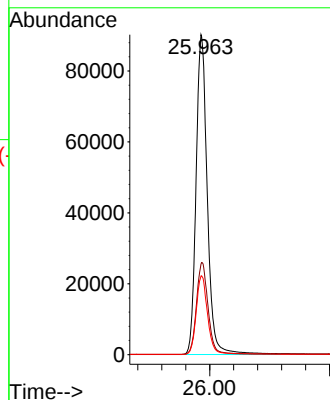
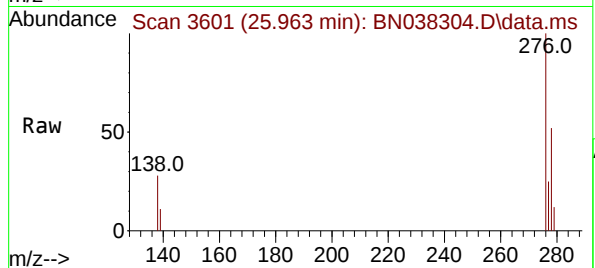
Tgt Ion:276 Resp: 293099

Ion Ratio Lower Upper

276 100

138 29.5 23.6 35.4

277 24.9 19.7 29.5



#37

Benzo(b)fluoranthene

Concen: 5.399 ng

RT: 22.946 min Scan# 2569

Delta R.T. 0.000 min

Lab File: BN038304.D

Acq: 10 Dec 2025 13:30

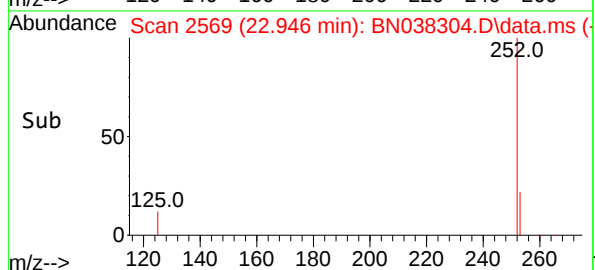
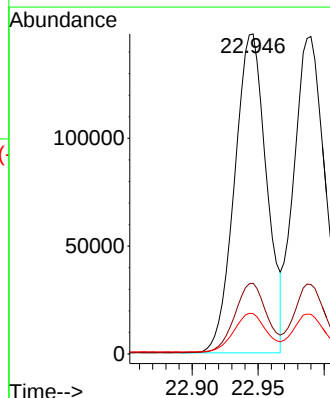
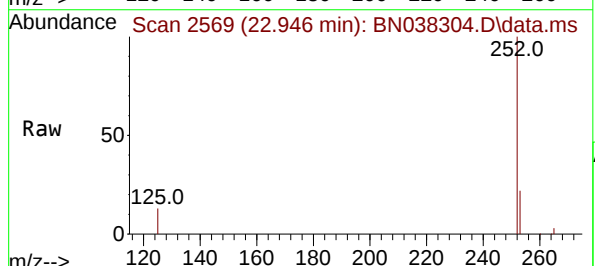
Tgt Ion:252 Resp: 249557

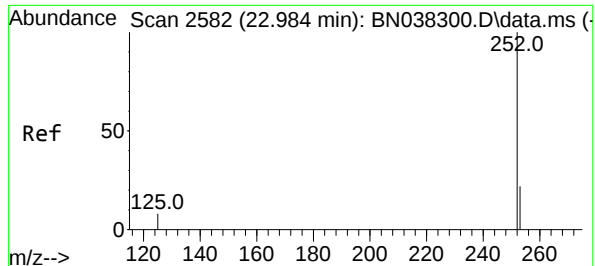
Ion Ratio Lower Upper

252 100

253 22.1 21.1 31.7

125 12.6 16.4 24.6#





#38

Benzo(k)fluoranthene

Concen: 5.444 ng

RT: 22.990 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN038304.D

Acq: 10 Dec 2025 13:30

Instrument :

BNA\_N

ClientSampleId :

SSTDICC5.0

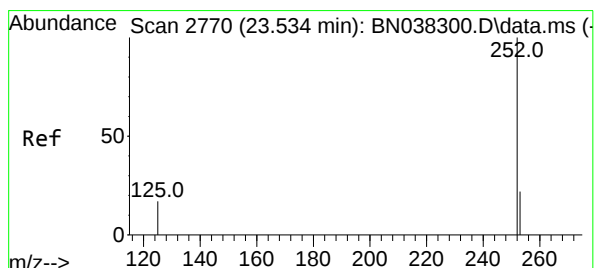
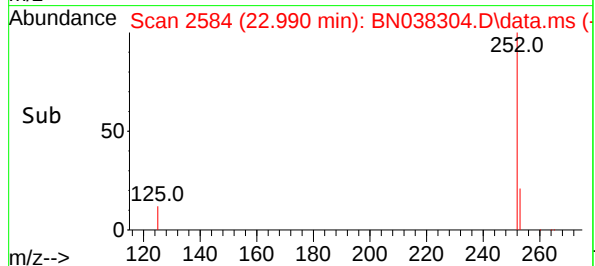
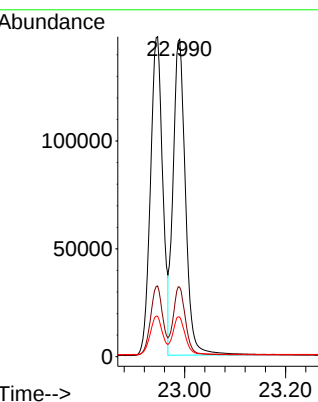
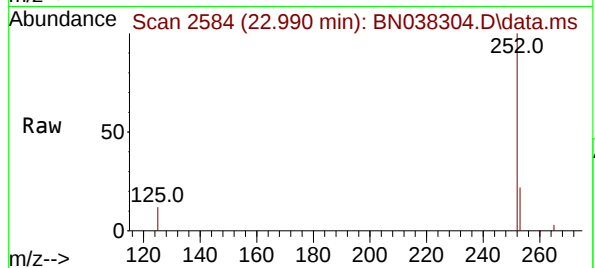
Tgt Ion:252 Resp: 250888

Ion Ratio Lower Upper

252 100

253 21.9 21.4 32.0

125 12.5 16.2 24.2#



#39

Benzo(a)pyrene

Concen: 5.530 ng

RT: 23.534 min Scan# 2770

Delta R.T. 0.000 min

Lab File: BN038304.D

Acq: 10 Dec 2025 13:30

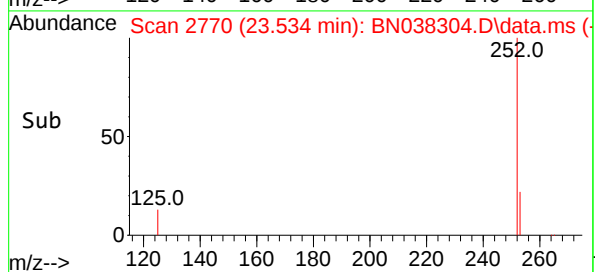
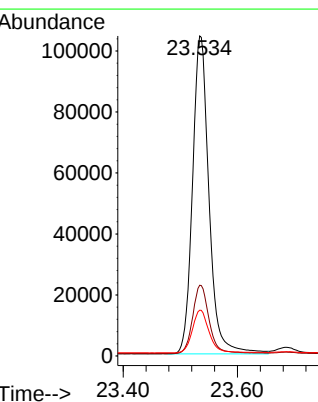
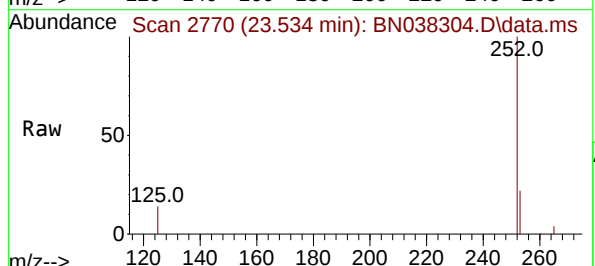
Tgt Ion:252 Resp: 209188

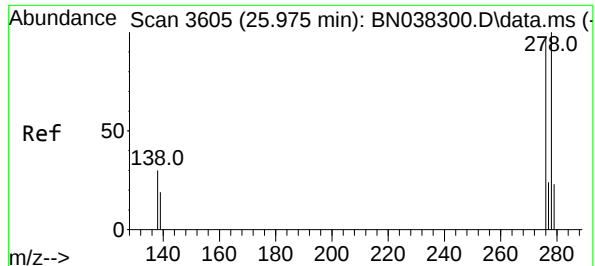
Ion Ratio Lower Upper

252 100

253 22.1 23.3 34.9#

125 14.3 22.4 33.6#





#40

Dibenzo(a,h)anthracene

Concen: 5.567 ng

RT: 25.981 min Scan# 30

Delta R.T. 0.000 min

Lab File: BN038304.D

Acq: 10 Dec 2025 13:30

Instrument :

BNA\_N

ClientSampleId :

SSTDICC5.0

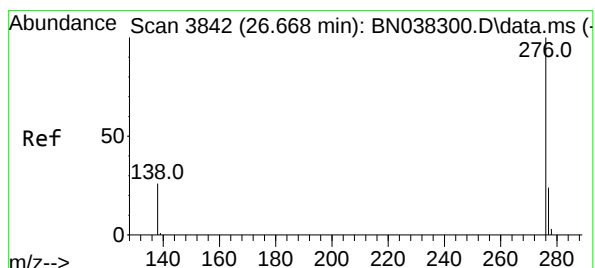
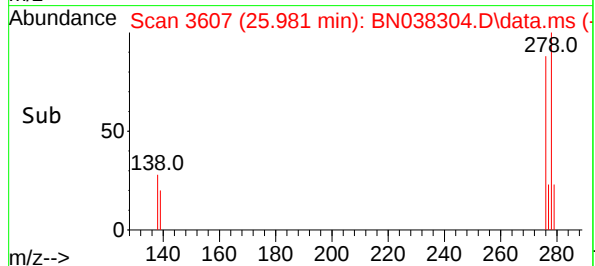
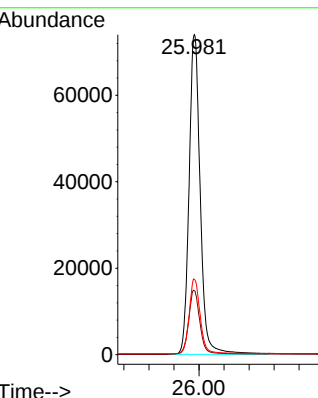
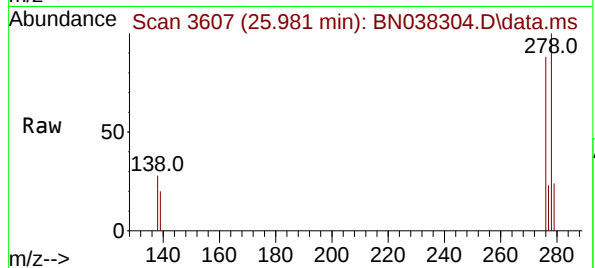
Tgt Ion:278 Resp: 229223

Ion Ratio Lower Upper

278 100

139 20.0 17.8 26.8

279 23.6 21.3 31.9



#41

Benzo(g,h,i)perylene

Concen: 5.369 ng

RT: 26.677 min Scan# 3845

Delta R.T. 0.000 min

Lab File: BN038304.D

Acq: 10 Dec 2025 13:30

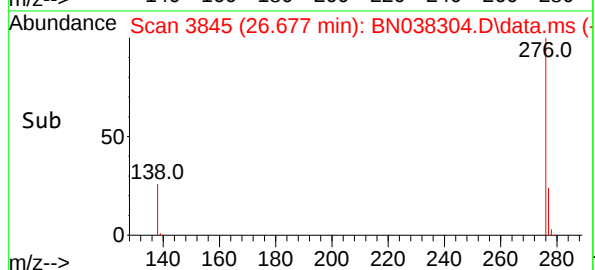
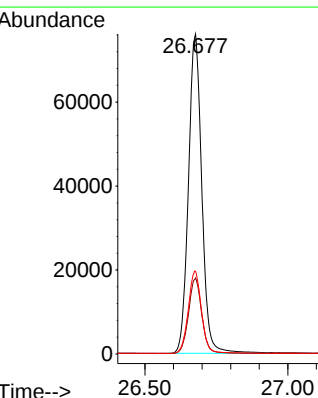
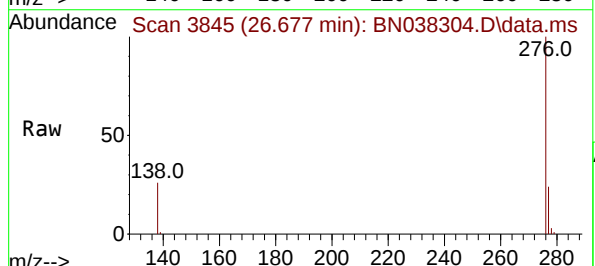
Tgt Ion:276 Resp: 247112

Ion Ratio Lower Upper

276 100

277 23.7 20.0 30.0

138 25.9 21.8 32.6



Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN121025\  
 Data File : BN038305.D  
 Acq On : 10 Dec 2025 14:06  
 Operator : RC/JU  
 Sample : SSTDICV0.4  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 ICVBN121025

Quant Time: Dec 10 14:34:41 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN121025.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 10 13:56:50 2025  
 Response via : Initial Calibration

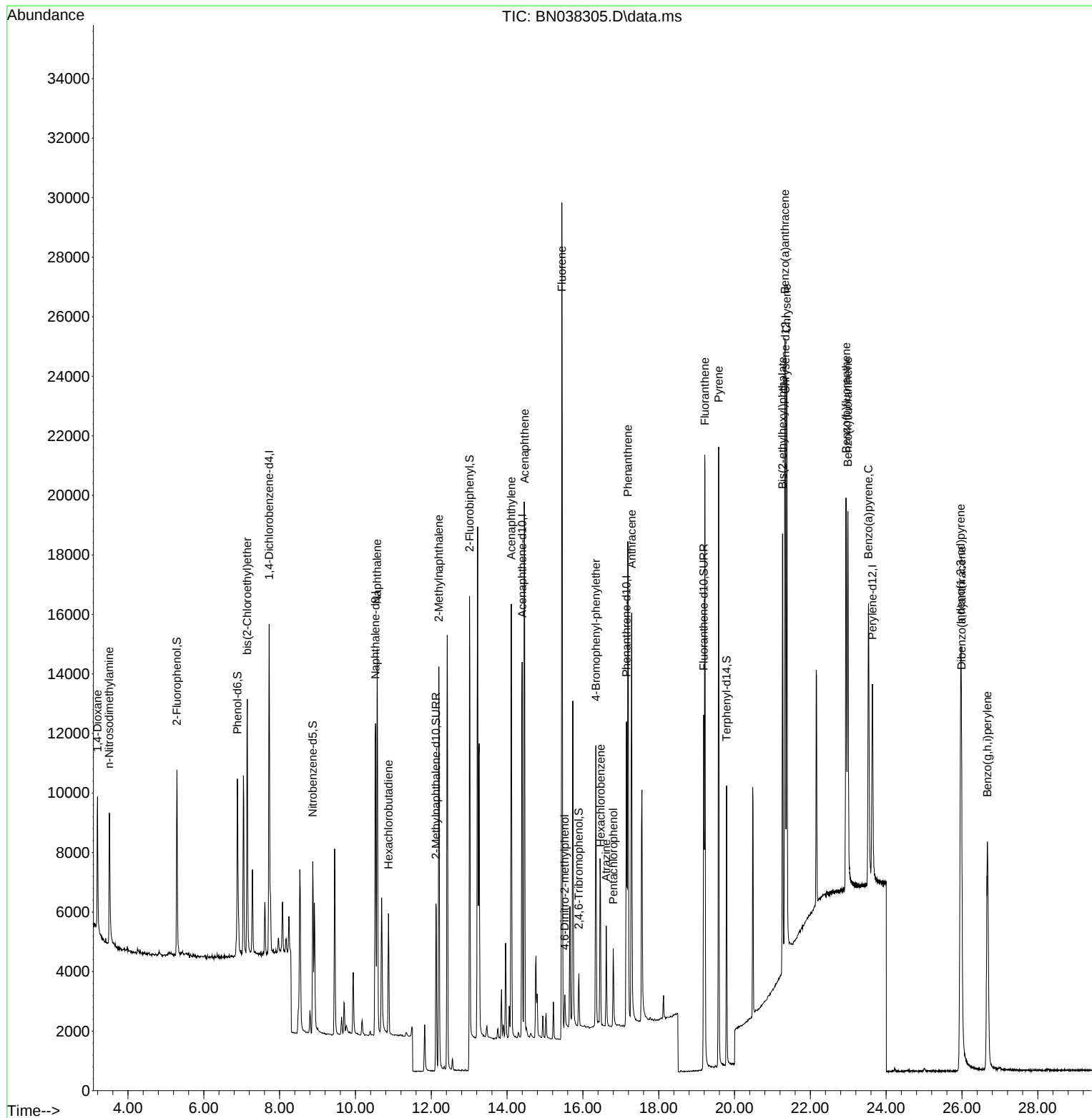
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.724  | 152  | 5494     | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.530 | 136  | 14732    | 0.400 | ng    | 0.00     |
| 13) Acenaphthene-d10          | 14.398 | 164  | 7414     | 0.400 | ng    | 0.00     |
| 19) Phenanthrene-d10          | 17.149 | 188  | 13558    | 0.400 | ng    | # 0.00   |
| 29) Chrysene-d12              | 21.340 | 240  | 10339    | 0.400 | ng    | 0.00     |
| 35) Perylene-d12              | 23.636 | 264  | 9862     | 0.400 | ng    | # 0.00   |
|                               |        |      |          |       |       |          |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.290  | 112  | 5169     | 0.378 | ng    | 0.00     |
| 5) Phenol-d6                  | 6.887  | 99   | 5881     | 0.362 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 8.875  | 82   | 4810     | 0.387 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10   | 12.126 | 152  | 8240     | 0.397 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 15.895 | 330  | 1106     | 0.336 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 13.008 | 172  | 13334    | 0.373 | ng    | 0.00     |
| 27) Fluoranthene-d10          | 19.187 | 212  | 13145    | 0.392 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.791 | 244  | 9107     | 0.395 | ng    | 0.00     |
|                               |        |      |          |       |       |          |
| Target Compounds              |        |      |          |       |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.196  | 88   | 2785     | 0.442 | ng    | 98       |
| 3) n-Nitrosodimethylamine     | 3.507  | 42   | 3219     | 0.408 | ng    | # 98     |
| 6) bis(2-Chloroethyl)ether    | 7.147  | 93   | 6576     | 0.413 | ng    | 99       |
| 9) Naphthalene                | 10.573 | 128  | 17206    | 0.395 | ng    | 100      |
| 10) Hexachlorobutadiene       | 10.872 | 225  | 3156     | 0.408 | ng    | # 99     |
| 12) 2-Methylnaphthalene       | 12.202 | 142  | 10135    | 0.367 | ng    | 99       |
| 16) Acenaphthylene            | 14.110 | 152  | 15840    | 0.435 | ng    | 99       |
| 17) Acenaphthene              | 14.462 | 154  | 10069    | 0.397 | ng    | 98       |
| 18) Fluorene                  | 15.446 | 166  | 12748    | 0.391 | ng    | 99       |
| 20) 4,6-Dinitro-2-methylph... | 15.523 | 198  | 733      | 0.329 | ng    | # 78     |
| 21) 4-Bromophenyl-phenylether | 16.342 | 248  | 3847     | 0.382 | ng    | # 90     |
| 22) Hexachlorobenzene         | 16.466 | 284  | 4774     | 0.395 | ng    | 99       |
| 23) Atrazine                  | 16.615 | 200  | 2571     | 0.375 | ng    | 96       |
| 24) Pentachlorophenol         | 16.801 | 266  | 1394     | 0.295 | ng    | 98       |
| 25) Phenanthrene              | 17.186 | 178  | 18314    | 0.388 | ng    | 100      |
| 26) Anthracene                | 17.285 | 178  | 16082    | 0.395 | ng    | 99       |
| 28) Fluoranthene              | 19.220 | 202  | 18786    | 0.375 | ng    | 100      |
| 30) Pyrene                    | 19.582 | 202  | 19552    | 0.384 | ng    | 100      |
| 32) Benzo(a)anthracene        | 21.331 | 228  | 15962    | 0.400 | ng    | 98       |
| 33) Chrysene                  | 21.375 | 228  | 17443    | 0.397 | ng    | 99       |
| 34) Bis(2-ethylhexyl)phtha... | 21.268 | 149  | 8119     | 0.371 | ng    | 99       |
| 36) Indeno(1,2,3-cd)pyrene    | 25.966 | 276  | 19287    | 0.369 | ng    | 99       |
| 37) Benzo(b)fluoranthene      | 22.943 | 252  | 17623    | 0.389 | ng    | 98       |
| 38) Benzo(k)fluoranthene      | 22.990 | 252  | 17707    | 0.392 | ng    | 98       |
| 39) Benzo(a)pyrene            | 23.534 | 252  | 15048    | 0.406 | ng    | 98       |
| 40) Dibenzo(a,h)anthracene    | 25.987 | 278  | 15615    | 0.387 | ng    | 98       |
| 41) Benzo(g,h,i)perylene      | 26.671 | 276  | 16981    | 0.377 | ng    | 99       |
| -----                         |        |      |          |       |       |          |

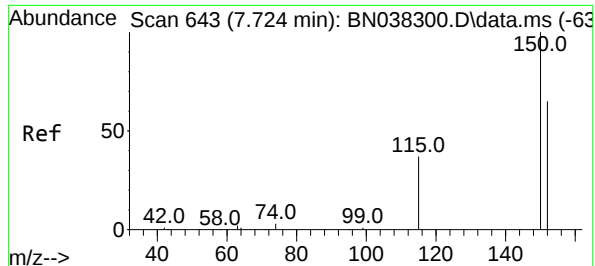
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN121025\  
Data File : BN038305.D  
Acq On : 10 Dec 2025 14:06  
Operator : RC/JU  
Sample : SSTDICV0.4  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
ICVBN121025

Quant Time: Dec 10 14:34:41 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN121025.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Dec 10 13:56:50 2025  
Response via : Initial Calibration

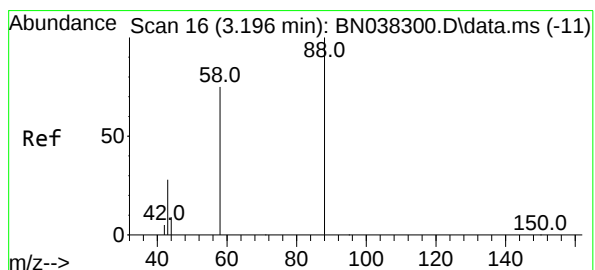
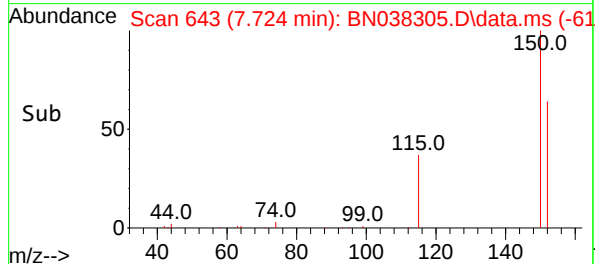
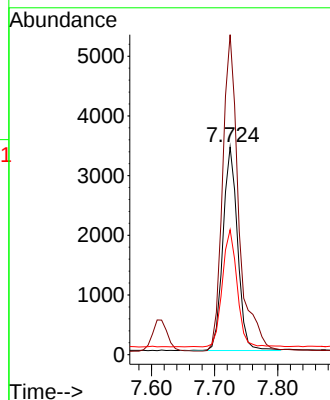
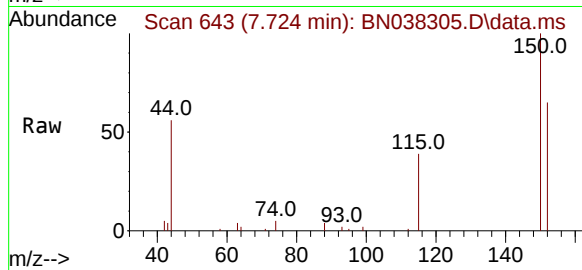




#1  
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.724 min Scan# 64  
Delta R.T. 0.000 min  
Lab File: BN038305.D  
Acq: 10 Dec 2025 14:06

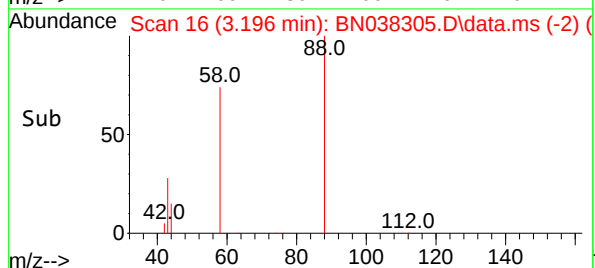
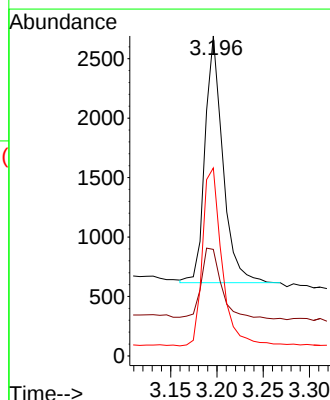
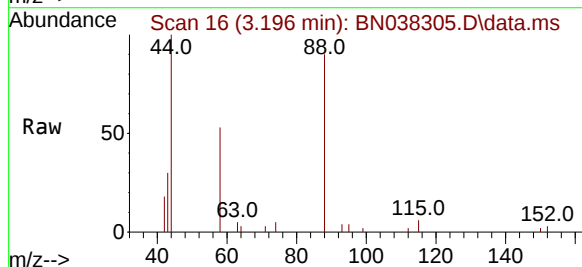
Instrument :  
BNA\_N  
ClientSampleId :  
ICVBN121025

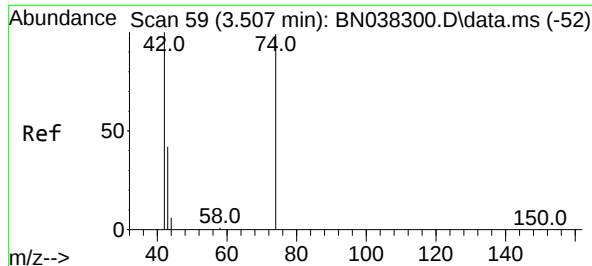
Tgt Ion:152 Resp: 5494  
Ion Ratio Lower Upper  
152 100  
150 154.1 122.4 183.6  
115 60.2 47.3 70.9



#2  
1,4-Dioxane  
Concen: 0.442 ng  
RT: 3.196 min Scan# 16  
Delta R.T. 0.000 min  
Lab File: BN038305.D  
Acq: 10 Dec 2025 14:06

Tgt Ion: 88 Resp: 2785  
Ion Ratio Lower Upper  
88 100  
43 32.6 24.9 37.3  
58 78.3 61.4 92.0

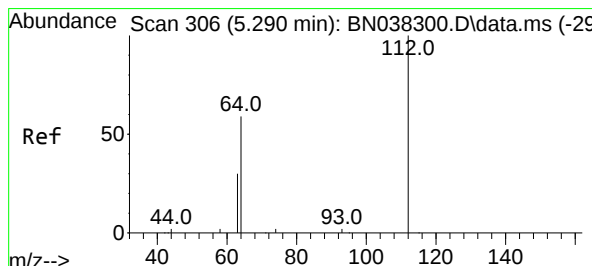
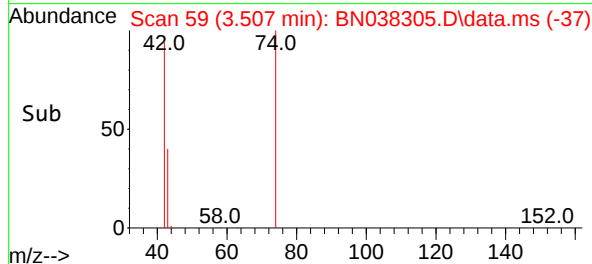
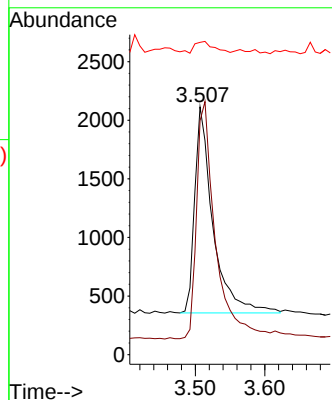
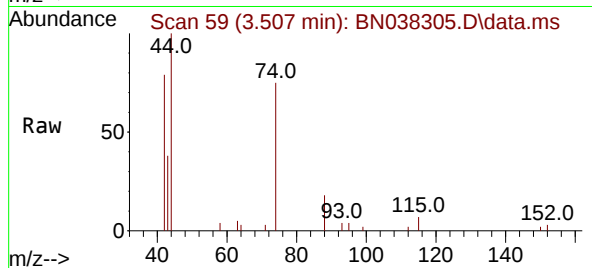




#3  
n-Nitrosodimethylamine  
Concen: 0.408 ng  
RT: 3.507 min Scan# 59  
Delta R.T. 0.007 min  
Lab File: BN038305.D  
Acq: 10 Dec 2025 14:06

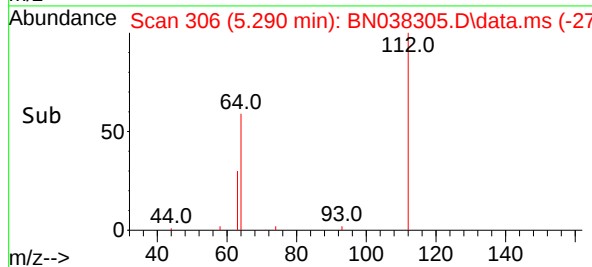
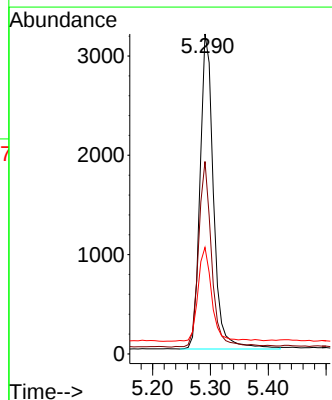
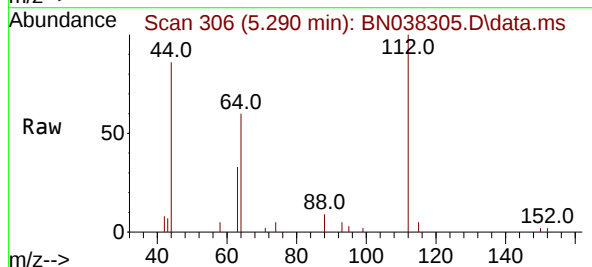
Instrument :  
BNA\_N  
ClientSampleId :  
ICVBN121025

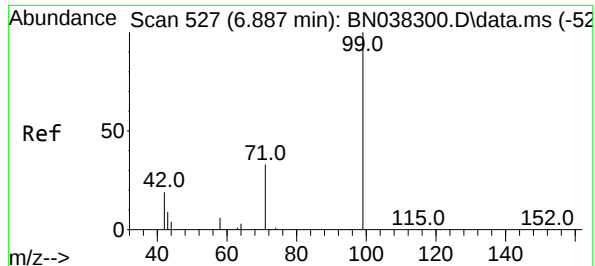
Tgt Ion: 42 Resp: 3219  
Ion Ratio Lower Upper  
42 100  
74 120.1 95.3 142.9  
44 5.9 7.9 11.9#



#4  
2-Fluorophenol  
Concen: 0.378 ng  
RT: 5.290 min Scan# 306  
Delta R.T. 0.000 min  
Lab File: BN038305.D  
Acq: 10 Dec 2025 14:06

Tgt Ion: 112 Resp: 5169  
Ion Ratio Lower Upper  
112 100  
64 57.1 44.4 66.6  
63 30.5 23.4 35.0





#5

Phenol-d6

Concen: 0.362 ng

RT: 6.887 min Scan# 51

Delta R.T. 0.000 min

Lab File: BN038305.D

Acq: 10 Dec 2025 14:06

Instrument :

BNA\_N

ClientSampleId :

ICVBN121025

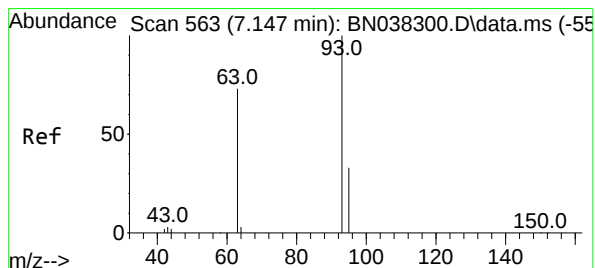
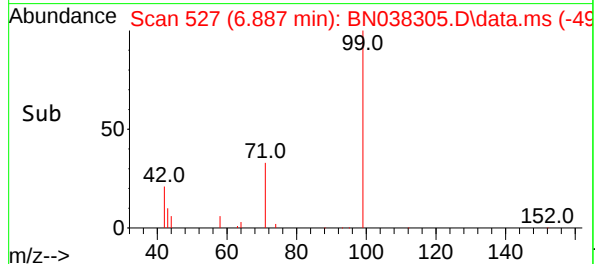
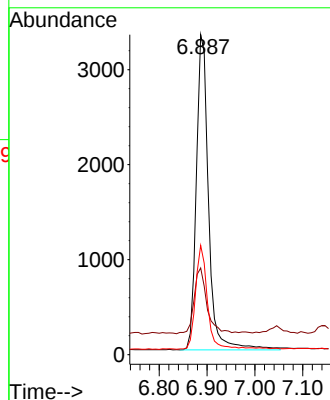
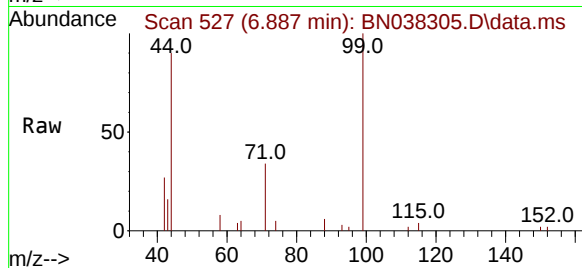
Tgt Ion: 99 Resp: 5881

Ion Ratio Lower Upper

99 100

42 22.1 16.5 24.7

71 32.1 24.9 37.3



#6

bis(2-Chloroethyl)ether

Concen: 0.413 ng

RT: 7.147 min Scan# 563

Delta R.T. 0.000 min

Lab File: BN038305.D

Acq: 10 Dec 2025 14:06

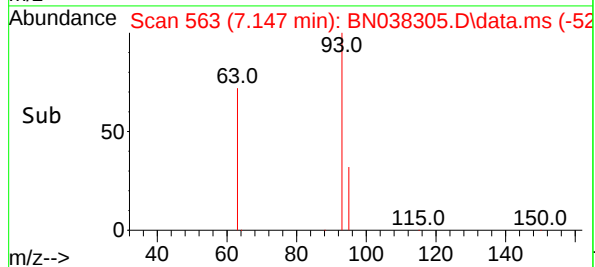
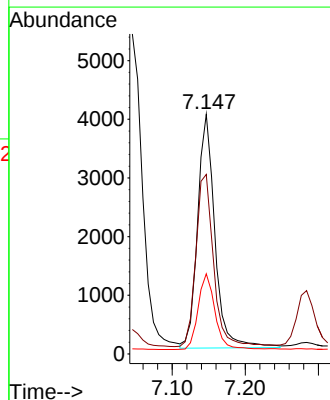
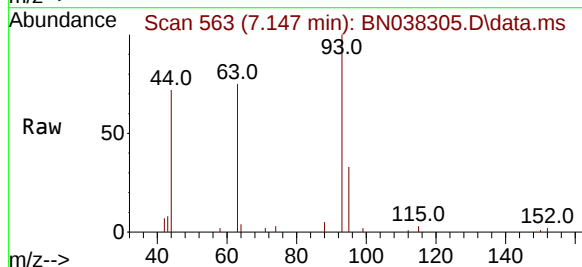
Tgt Ion: 93 Resp: 6576

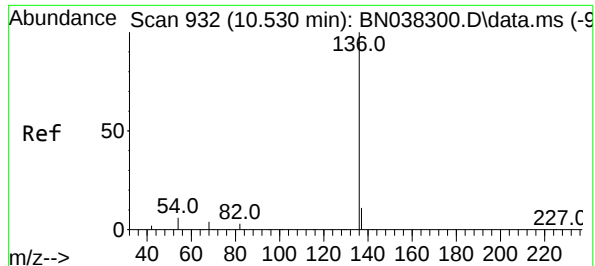
Ion Ratio Lower Upper

93 100

63 75.5 59.2 88.8

95 31.8 25.2 37.8

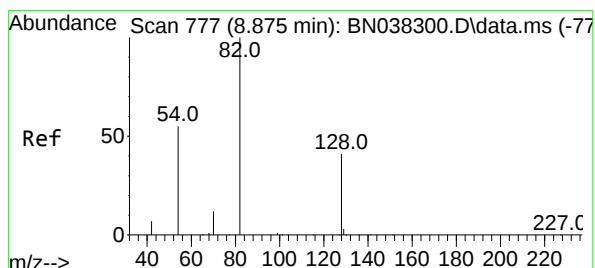
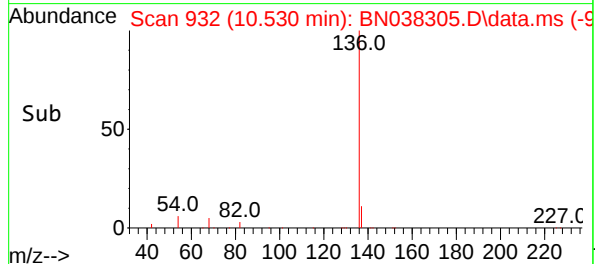
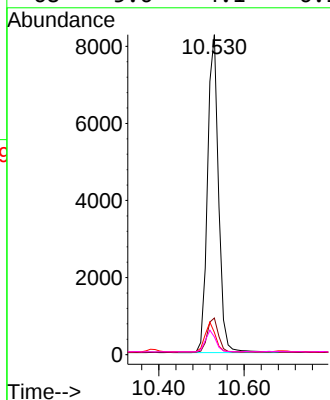
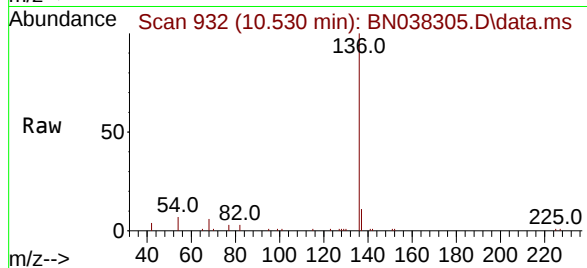




#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.530 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: BN038305.D  
Acq: 10 Dec 2025 14:06

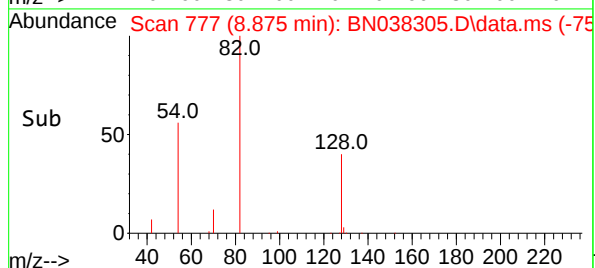
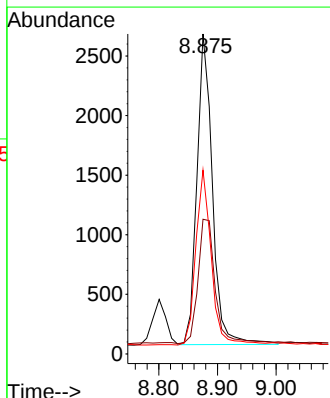
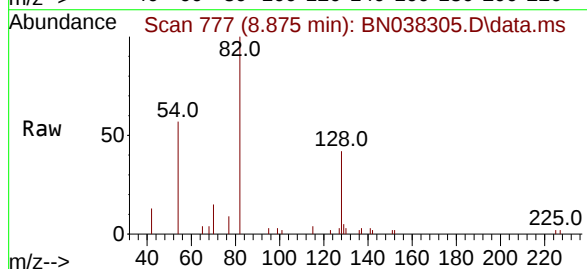
Instrument :  
BNA\_N  
ClientSampleId :  
ICVBN121025

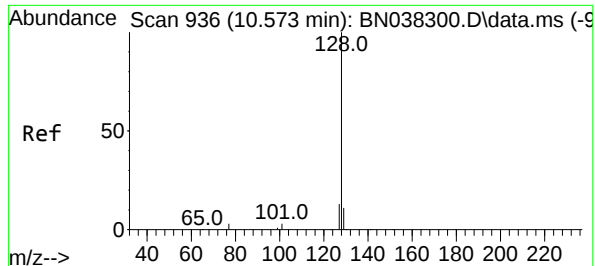
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 136   | Resp: | 14732 |
| Ion      | Ratio | Lower | Upper |
| 136      | 100   |       |       |
| 137      | 11.5  | 9.1   | 13.7  |
| 54       | 6.9   | 5.2   | 7.8   |
| 68       | 5.6   | 4.1   | 6.1   |



#8  
Nitrobenzene-d5  
Concen: 0.387 ng  
RT: 8.875 min Scan# 777  
Delta R.T. 0.000 min  
Lab File: BN038305.D  
Acq: 10 Dec 2025 14:06

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 82    | Resp: | 4810  |
| Ion      | Ratio | Lower | Upper |
| 82       | 100   |       |       |
| 128      | 42.1  | 34.0  | 51.0  |
| 54       | 57.4  | 44.4  | 66.6  |

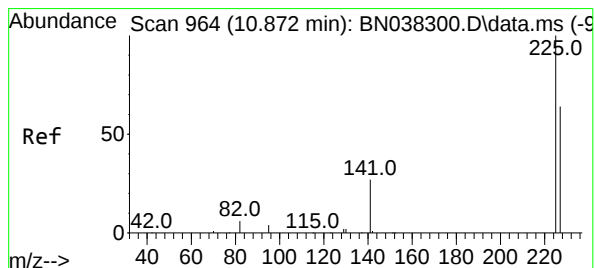
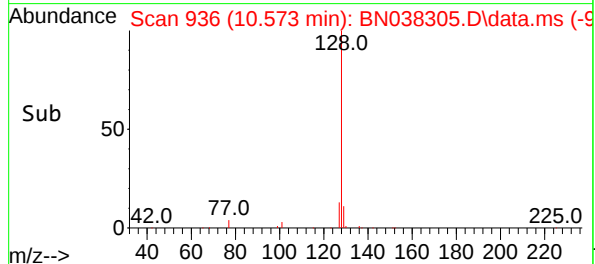
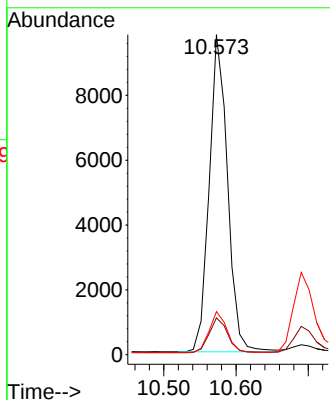
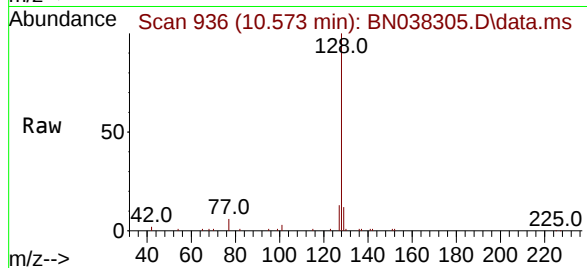




#9  
Naphthalene  
Concen: 0.395 ng  
RT: 10.573 min Scan# 936  
Delta R.T. 0.000 min  
Lab File: BN038305.D  
Acq: 10 Dec 2025 14:06

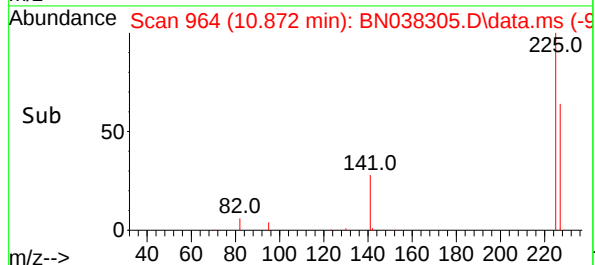
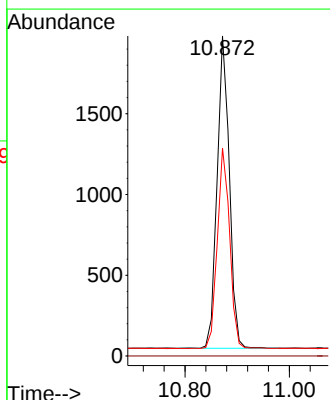
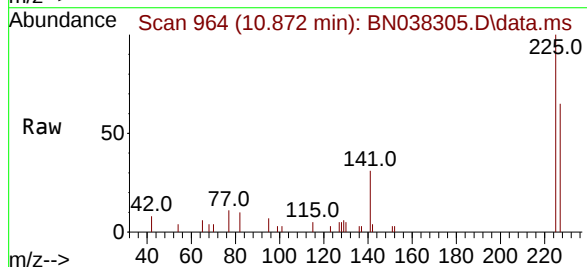
Instrument :  
BNA\_N  
ClientSampleId :  
ICVBN121025

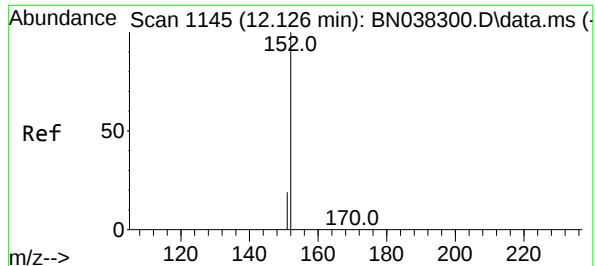
Tgt Ion:128 Resp: 17206  
Ion Ratio Lower Upper  
128 100  
129 11.5 9.1 13.7  
127 13.5 10.9 16.3



#10  
Hexachlorobutadiene  
Concen: 0.408 ng  
RT: 10.872 min Scan# 964  
Delta R.T. 0.000 min  
Lab File: BN038305.D  
Acq: 10 Dec 2025 14:06

Tgt Ion:225 Resp: 3156  
Ion Ratio Lower Upper  
225 100  
223 0.0 0.0 0.0  
227 64.7 51.2 76.8

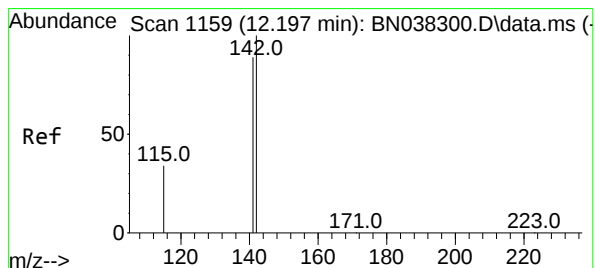
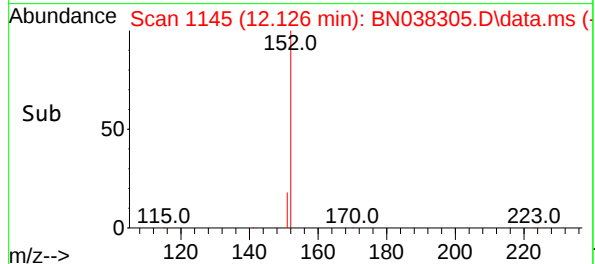
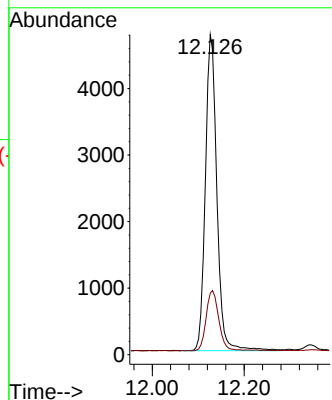
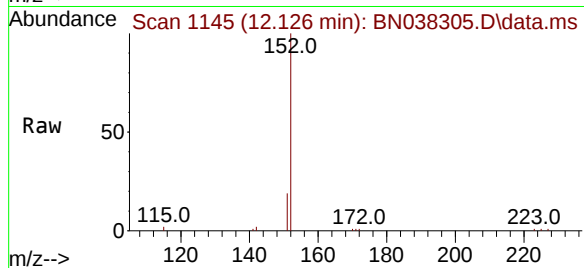




#11  
2-Methylnaphthalene-d10  
Concen: 0.397 ng  
RT: 12.126 min Scan# 1145  
Delta R.T. 0.000 min  
Lab File: BN038305.D  
Acq: 10 Dec 2025 14:06

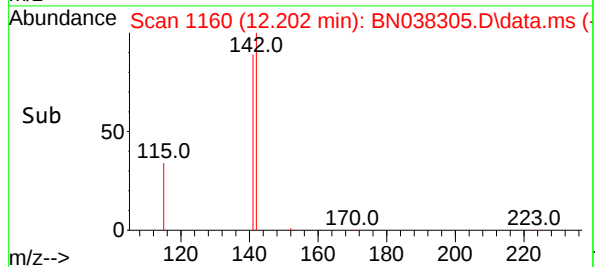
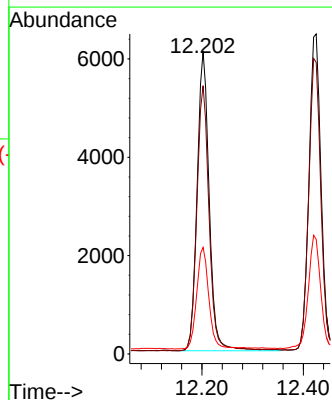
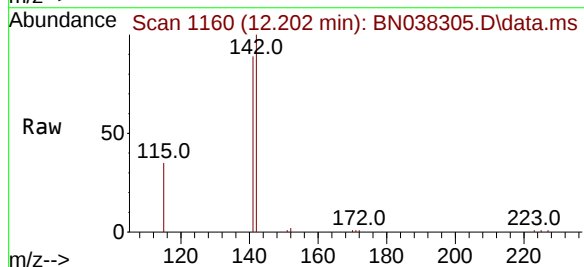
Instrument :  
BNA\_N  
ClientSampleId :  
ICVBN121025

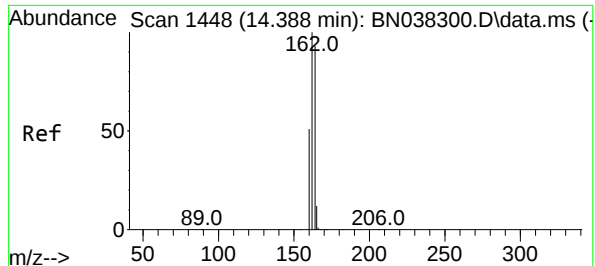
Tgt Ion:152 Resp: 8240  
Ion Ratio Lower Upper  
152 100  
151 21.0 17.0 25.6



#12  
2-Methylnaphthalene  
Concen: 0.367 ng  
RT: 12.202 min Scan# 1160  
Delta R.T. 0.000 min  
Lab File: BN038305.D  
Acq: 10 Dec 2025 14:06

Tgt Ion:142 Resp: 10135  
Ion Ratio Lower Upper  
142 100  
141 88.7 71.4 107.2  
115 35.2 28.4 42.6

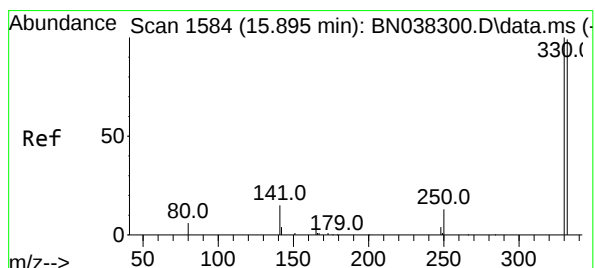
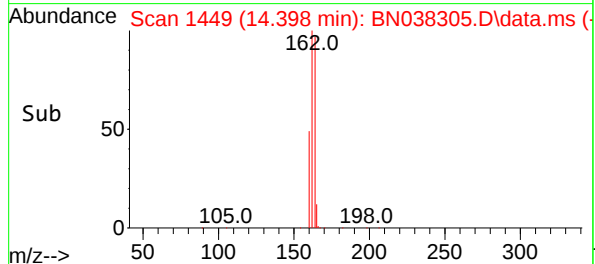
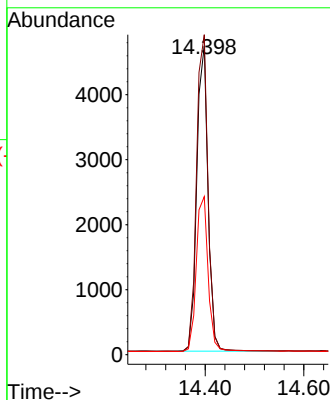
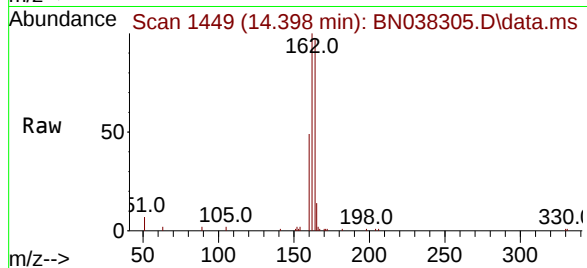




#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.398 min Scan# 1448  
Delta R.T. 0.000 min  
Lab File: BN038305.D  
Acq: 10 Dec 2025 14:06

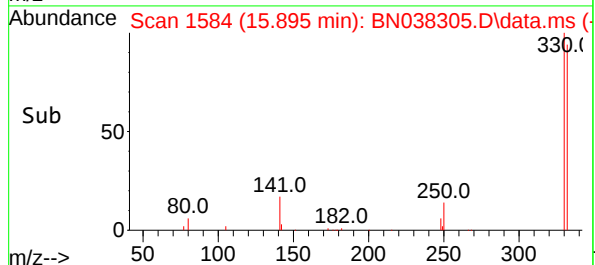
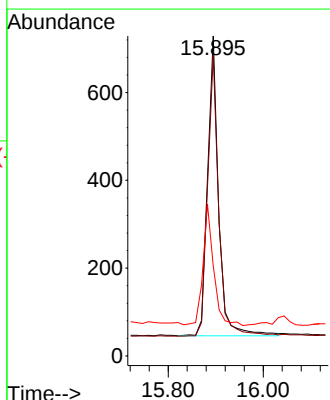
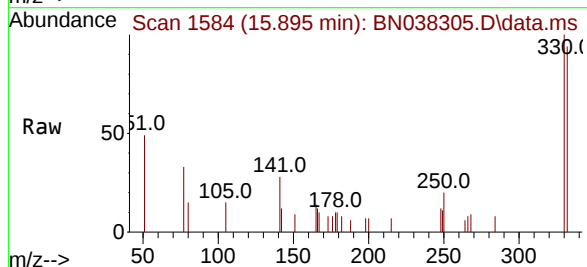
Instrument :  
BNA\_N  
ClientSampleId :  
ICVBN121025

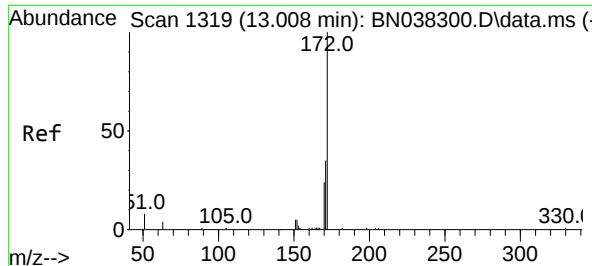
Tgt Ion:164 Resp: 7414  
Ion Ratio Lower Upper  
164 100  
162 103.6 86.2 129.4  
160 51.1 44.6 67.0



#14  
2,4,6-Tribromophenol  
Concen: 0.336 ng  
RT: 15.895 min Scan# 1584  
Delta R.T. 0.000 min  
Lab File: BN038305.D  
Acq: 10 Dec 2025 14:06

Tgt Ion:330 Resp: 1106  
Ion Ratio Lower Upper  
330 100  
332 94.6 75.8 113.6  
141 37.6 31.8 47.8





#15

2-Fluorobiphenyl

Concen: 0.373 ng

RT: 13.008 min Scan# 1319

Delta R.T. 0.000 min

Lab File: BN038305.D

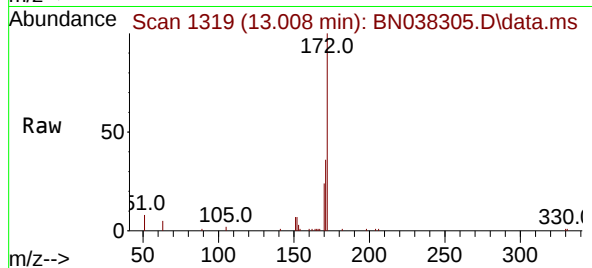
Acq: 10 Dec 2025 14:06

Instrument :

BNA\_N

ClientSampleId :

ICVBN121025



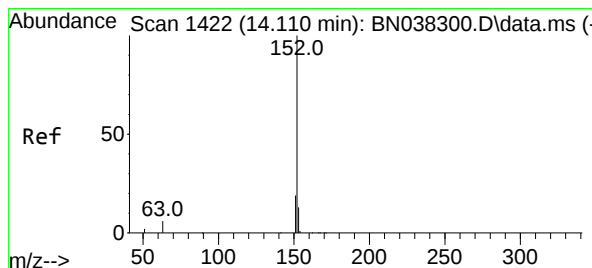
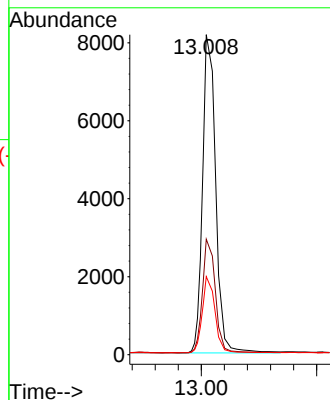
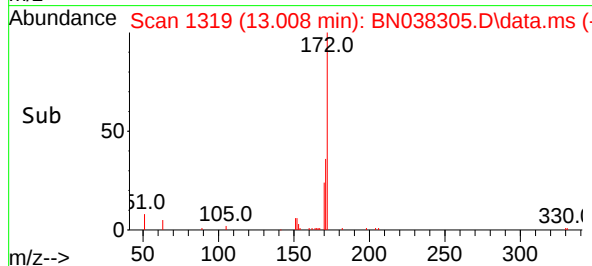
Tgt Ion:172 Resp: 13334

Ion Ratio Lower Upper

172 100

171 36.1 28.6 42.8

170 24.4 19.3 28.9



#16

Acenaphthylene

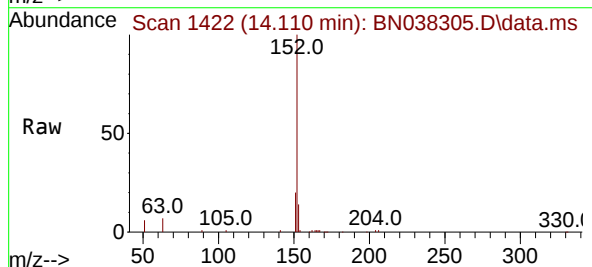
Concen: 0.435 ng

RT: 14.110 min Scan# 1422

Delta R.T. 0.000 min

Lab File: BN038305.D

Acq: 10 Dec 2025 14:06



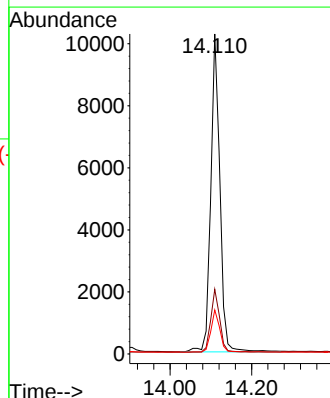
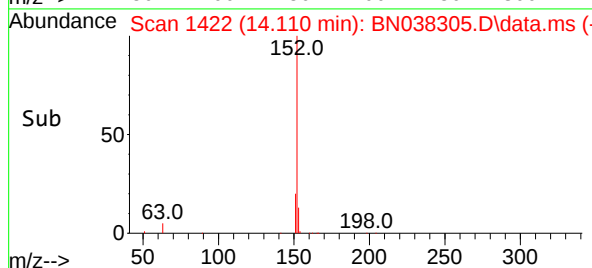
Tgt Ion:152 Resp: 15840

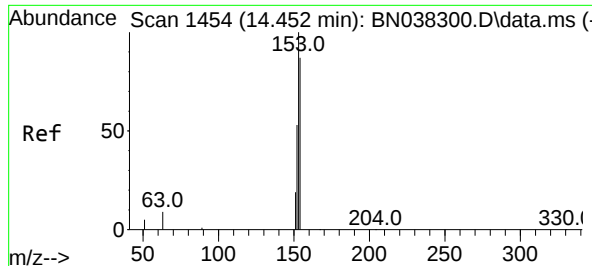
Ion Ratio Lower Upper

152 100

151 19.8 15.4 23.2

153 13.1 10.2 15.4

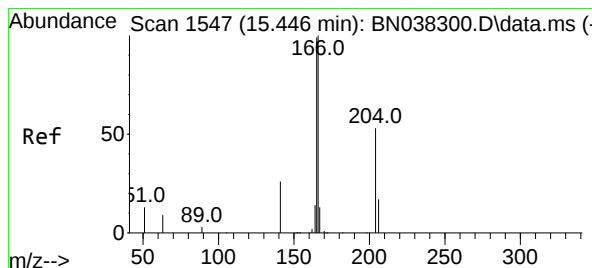
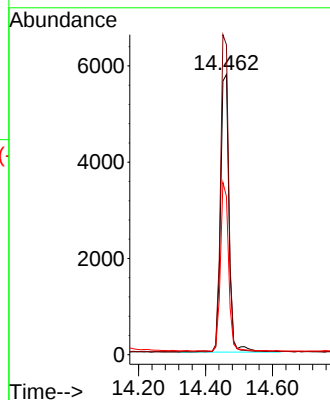
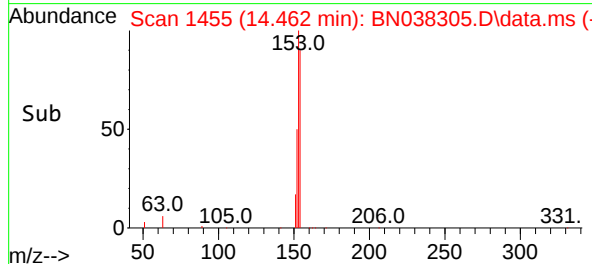
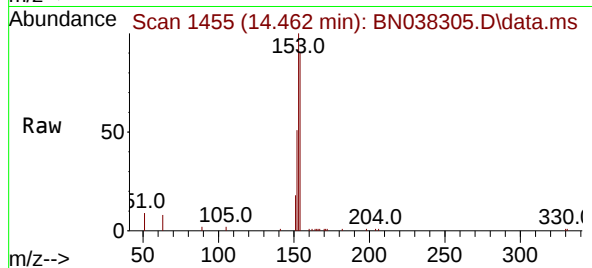




#17  
Acenaphthene  
Concen: 0.397 ng  
RT: 14.462 min Scan# 1455  
Delta R.T. 0.000 min  
Lab File: BN038305.D  
Acq: 10 Dec 2025 14:06

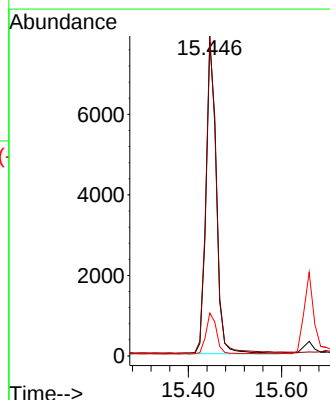
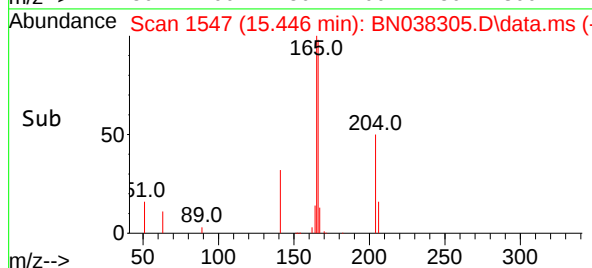
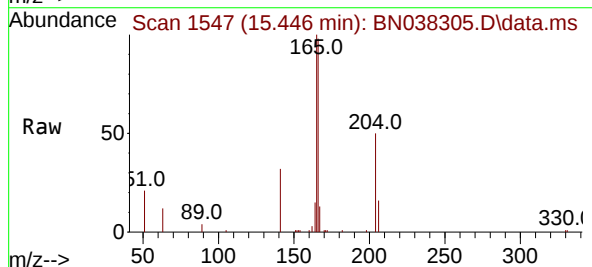
Instrument :  
BNA\_N  
ClientSampleId :  
ICVBN121025

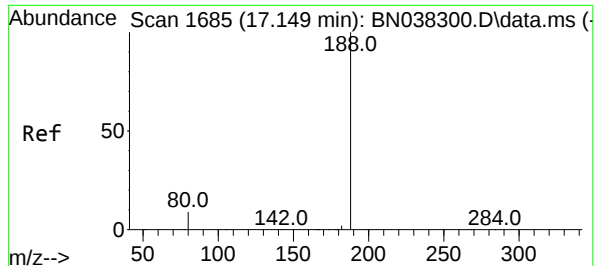
Tgt Ion:154 Resp: 10069  
Ion Ratio Lower Upper  
154 100  
153 110.0 89.8 134.8  
152 57.8 47.5 71.3



#18  
Fluorene  
Concen: 0.391 ng  
RT: 15.446 min Scan# 1547  
Delta R.T. -0.000 min  
Lab File: BN038305.D  
Acq: 10 Dec 2025 14:06

Tgt Ion:166 Resp: 12748  
Ion Ratio Lower Upper  
166 100  
165 99.6 80.2 120.4  
167 13.1 10.6 16.0





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.149 min Scan# 1

Delta R.T. 0.000 min

Lab File: BN038305.D

Acq: 10 Dec 2025 14:06

Instrument :

BNA\_N

ClientSampleId :

ICVBN121025

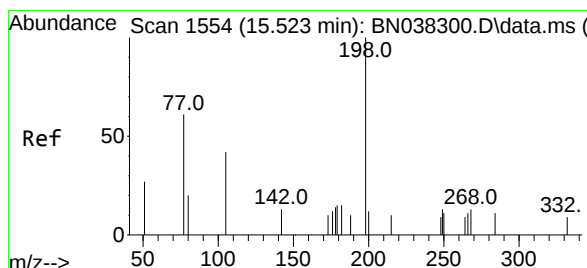
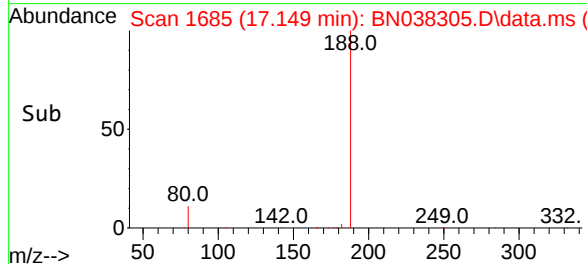
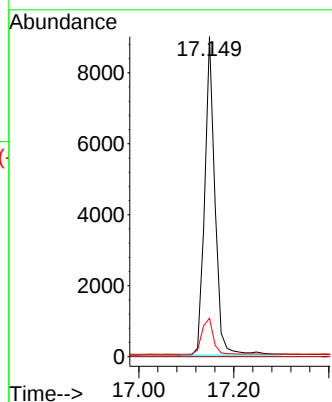
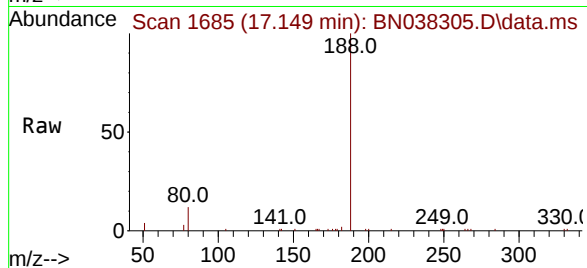
Tgt Ion:188 Resp: 13558

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 12.0 7.4 11.0#



#20

4,6-Dinitro-2-methylphenol

Concen: 0.329 ng

RT: 15.523 min Scan# 1554

Delta R.T. 0.001 min

Lab File: BN038305.D

Acq: 10 Dec 2025 14:06

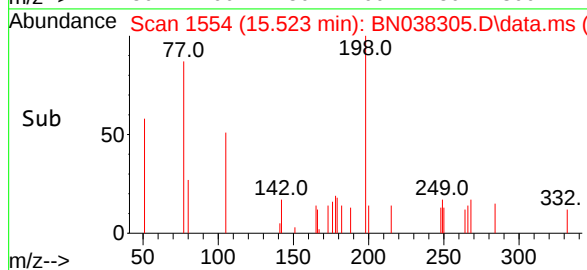
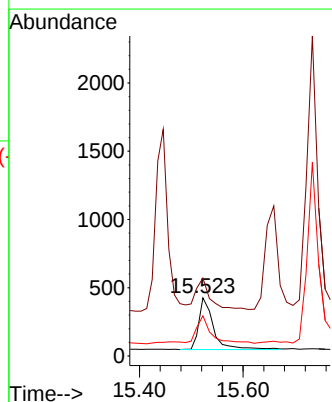
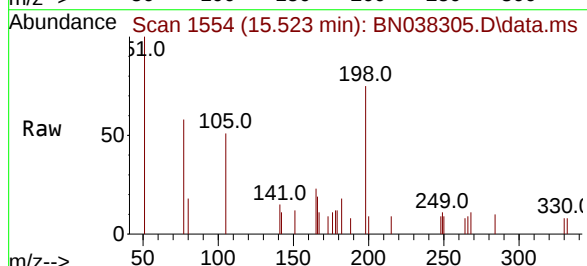
Tgt Ion:198 Resp: 733

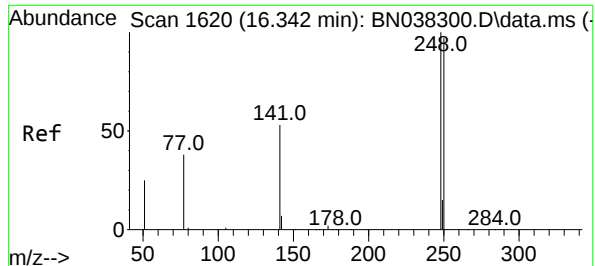
Ion Ratio Lower Upper

198 100

51 134.0 86.3 129.5#

105 69.0 45.3 67.9#

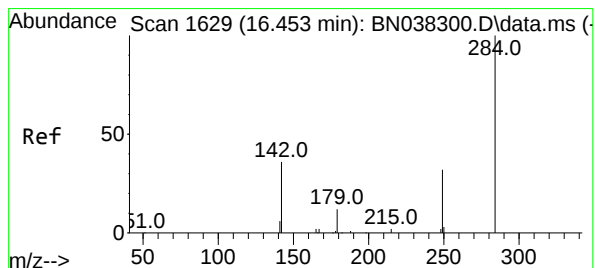
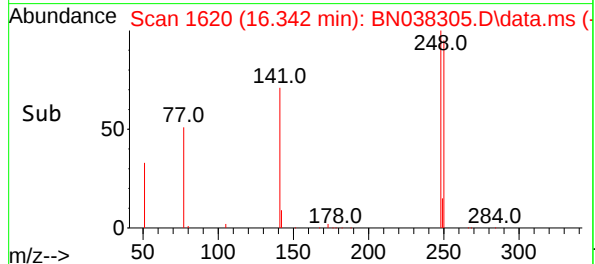
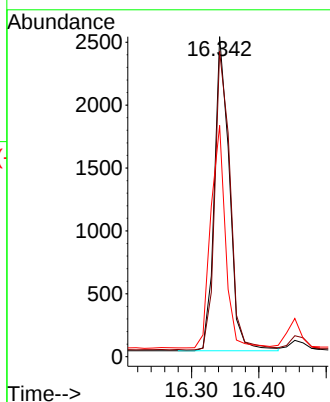
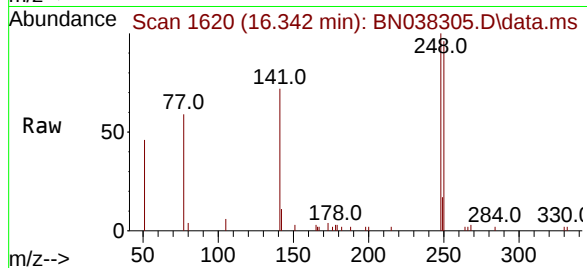




#21  
4-Bromophenyl-phenylether  
Concen: 0.382 ng  
RT: 16.342 min Scan# 1630  
Delta R.T. -0.000 min  
Lab File: BN038305.D  
Acq: 10 Dec 2025 14:06

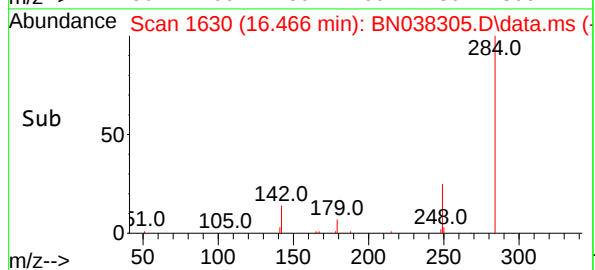
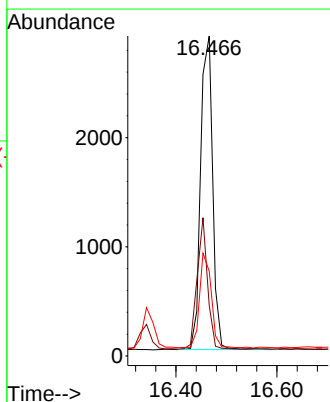
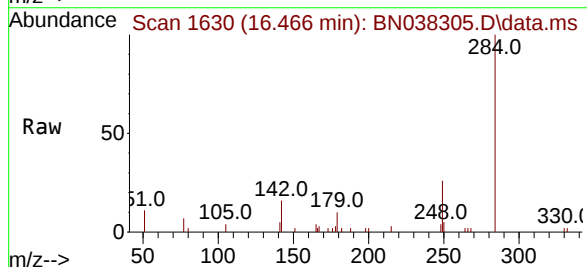
Instrument :  
BNA\_N  
ClientSampleId :  
ICVBN121025

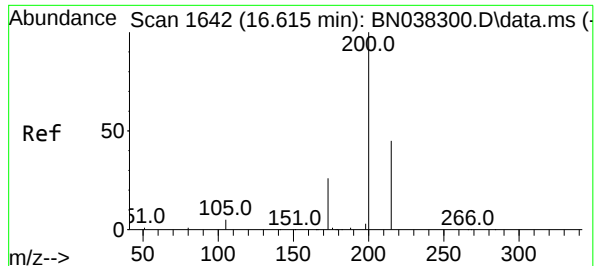
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 248     | 100   |       |       |
| 250     | 95.5  | 78.2  | 117.2 |
| 141     | 72.2  | 43.7  | 65.5  |



#22  
Hexachlorobenzene  
Concen: 0.395 ng  
RT: 16.466 min Scan# 1630  
Delta R.T. 0.000 min  
Lab File: BN038305.D  
Acq: 10 Dec 2025 14:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 284     | 100   |       |       |
| 142     | 36.3  | 29.5  | 44.3  |
| 249     | 29.1  | 23.7  | 35.5  |

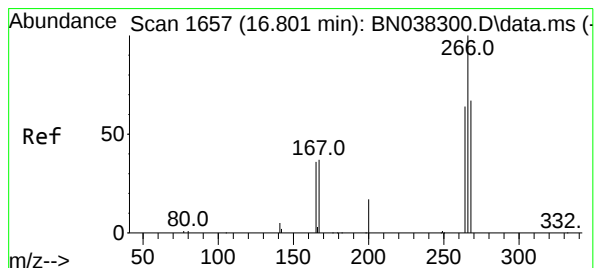
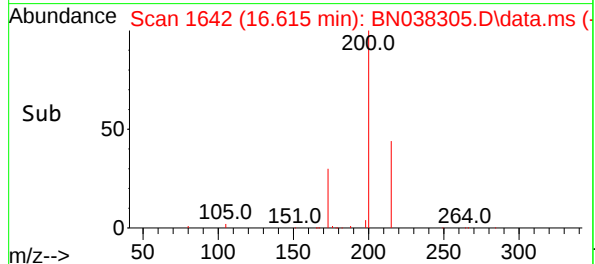
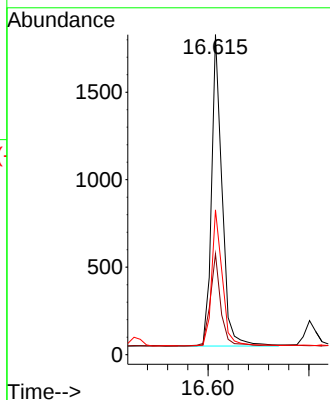
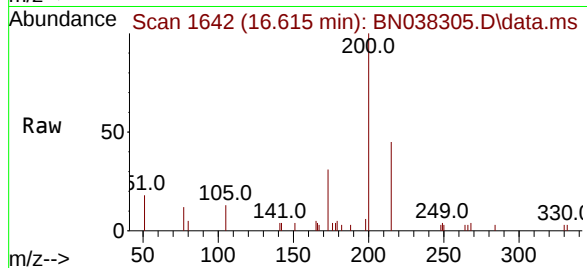




#23  
Atrazine  
Concen: 0.375 ng  
RT: 16.615 min Scan# 1642  
Delta R.T. 0.000 min  
Lab File: BN038305.D  
Acq: 10 Dec 2025 14:06

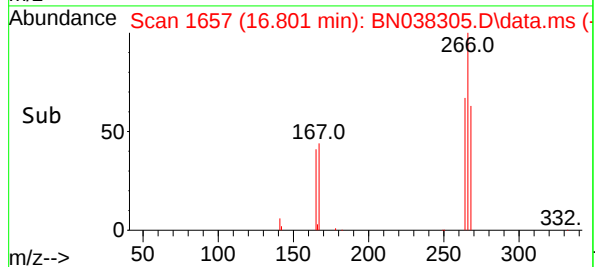
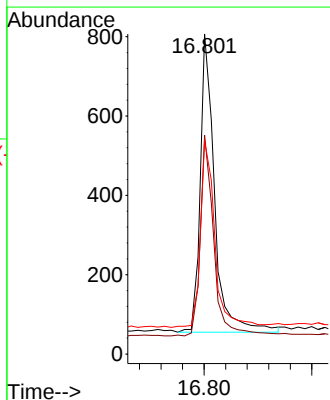
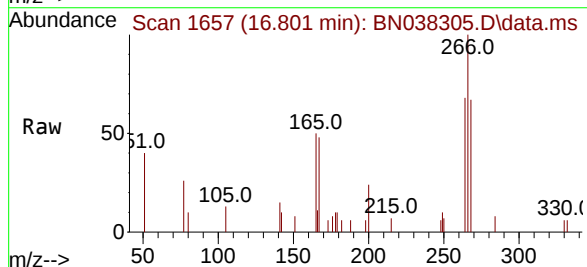
Instrument :  
BNA\_N  
ClientSampleId :  
ICVBN121025

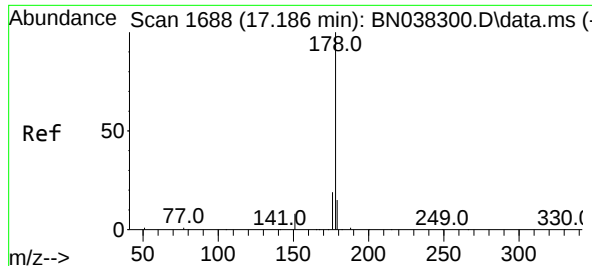
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 200     | 100   |       |       |
| 173     | 31.5  | 22.1  | 33.1  |
| 215     | 45.3  | 37.4  | 56.2  |



#24  
Pentachlorophenol  
Concen: 0.295 ng  
RT: 16.801 min Scan# 1657  
Delta R.T. 0.000 min  
Lab File: BN038305.D  
Acq: 10 Dec 2025 14:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 264     | 63.1  | 50.2  | 75.2  |
| 268     | 62.9  | 52.6  | 78.8  |

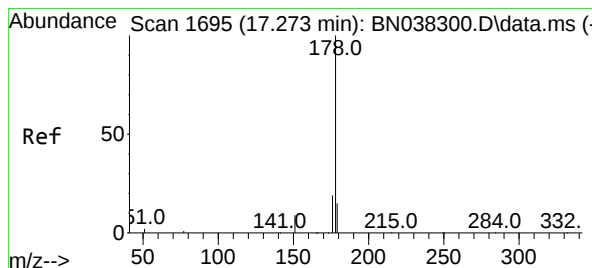
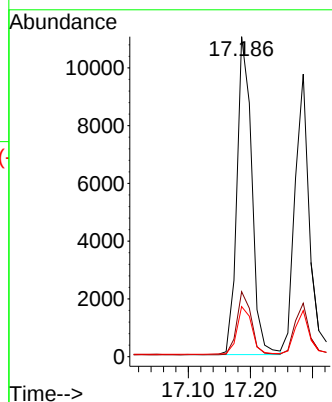
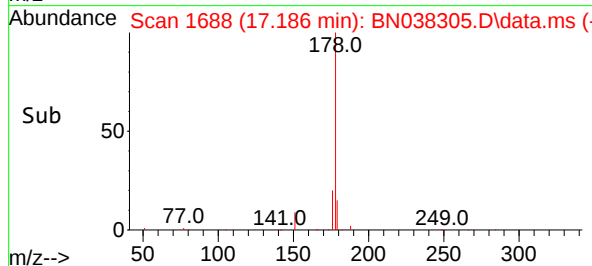
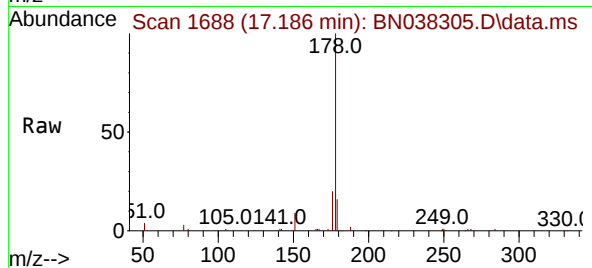




#25  
Phenanthrene  
Concen: 0.388 ng  
RT: 17.186 min Scan# 1688  
Delta R.T. 0.000 min  
Lab File: BN038305.D  
Acq: 10 Dec 2025 14:06

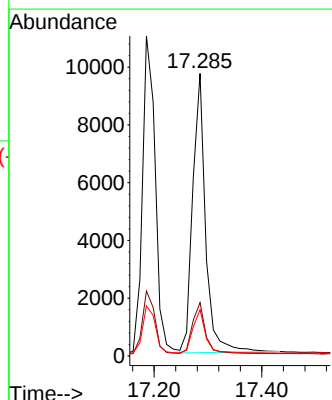
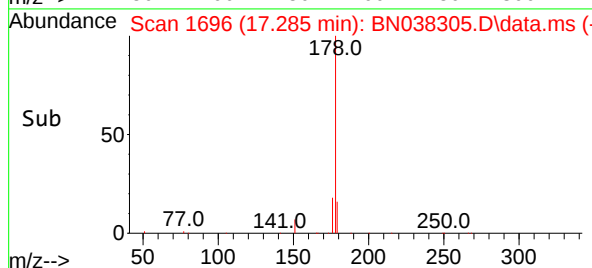
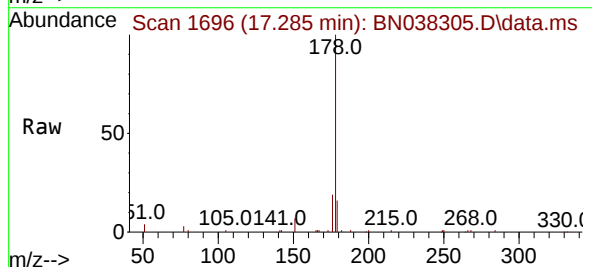
Instrument :  
BNA\_N  
ClientSampleId :  
ICVBN121025

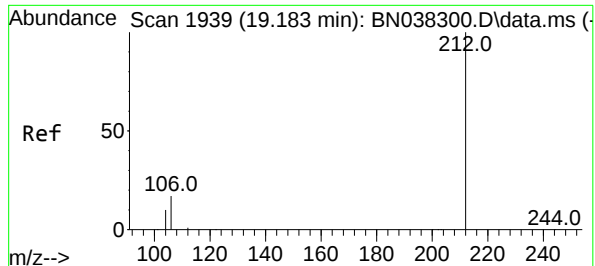
Tgt Ion:178 Resp: 18314  
Ion Ratio Lower Upper  
178 100  
176 19.4 15.5 23.3  
179 15.2 12.2 18.2



#26  
Anthracene  
Concen: 0.395 ng  
RT: 17.285 min Scan# 1696  
Delta R.T. 0.000 min  
Lab File: BN038305.D  
Acq: 10 Dec 2025 14:06

Tgt Ion:178 Resp: 16082  
Ion Ratio Lower Upper  
178 100  
176 18.5 15.1 22.7  
179 15.8 12.0 18.0





#27

Fluoranthene-d10

Concen: 0.392 ng

RT: 19.187 min Scan# 1939

Delta R.T. 0.000 min

Lab File: BN038305.D

Acq: 10 Dec 2025 14:06

Instrument :

BNA\_N

ClientSampleId :

ICVBN121025

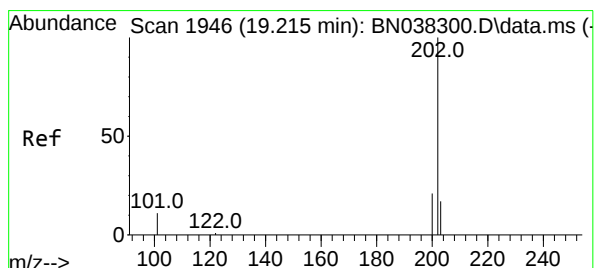
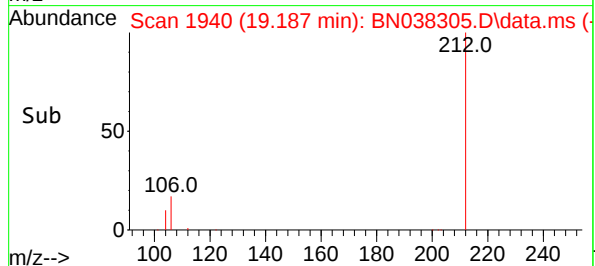
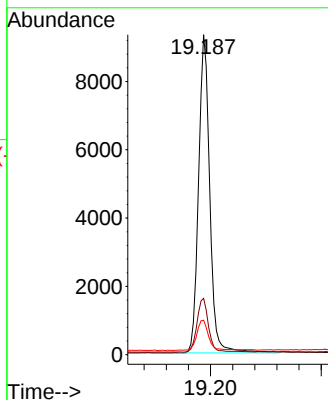
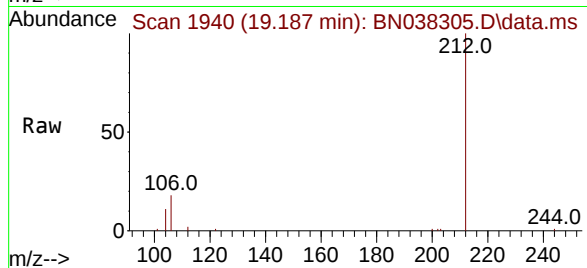
Tgt Ion:212 Resp: 13145

Ion Ratio Lower Upper

212 100

106 17.4 13.7 20.5

104 10.0 7.8 11.8



#28

Fluoranthene

Concen: 0.375 ng

RT: 19.220 min Scan# 1947

Delta R.T. 0.000 min

Lab File: BN038305.D

Acq: 10 Dec 2025 14:06

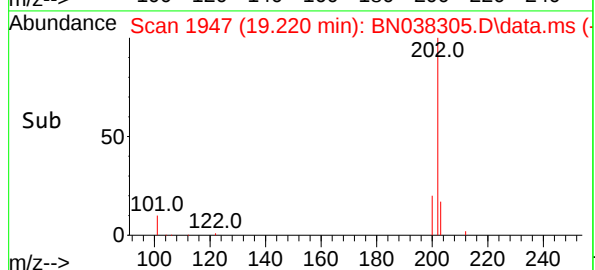
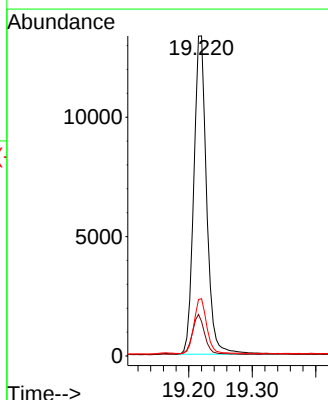
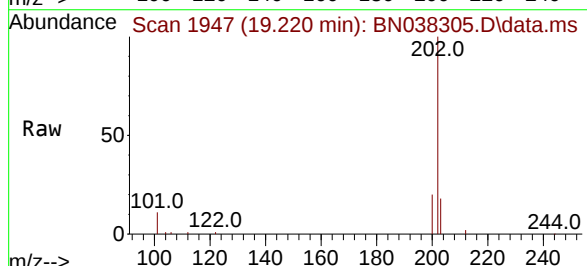
Tgt Ion:202 Resp: 18786

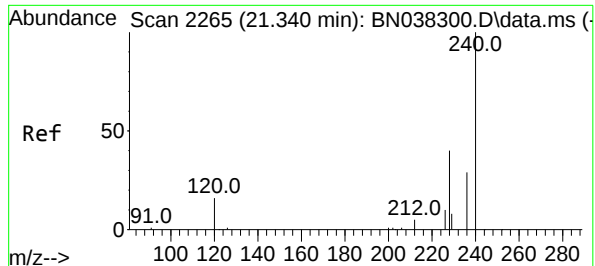
Ion Ratio Lower Upper

202 100

101 12.0 9.6 14.4

203 17.0 13.5 20.3





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.340 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN038305.D

Acq: 10 Dec 2025 14:06

Instrument :

BNA\_N

ClientSampleId :

ICVBN121025

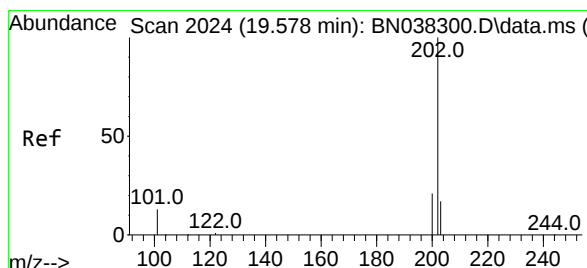
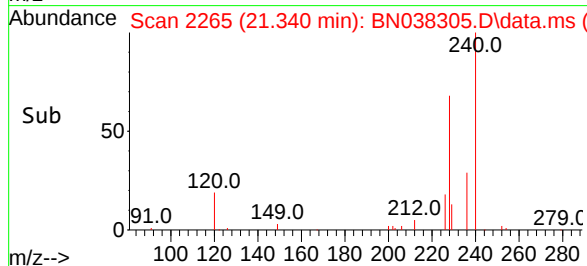
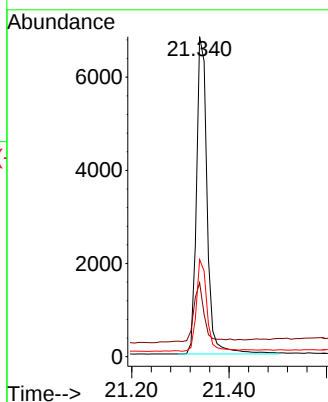
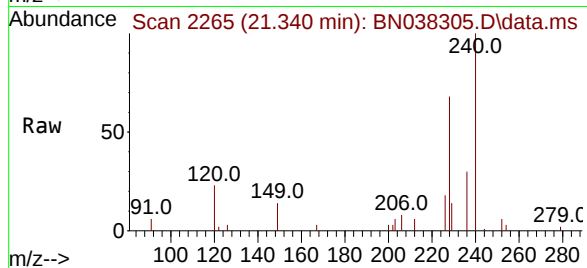
Tgt Ion:240 Resp: 10339

Ion Ratio Lower Upper

240 100

120 23.1 15.4 23.2

236 30.4 23.9 35.9



#30

Pyrene

Concen: 0.384 ng

RT: 19.582 min Scan# 2025

Delta R.T. 0.000 min

Lab File: BN038305.D

Acq: 10 Dec 2025 14:06

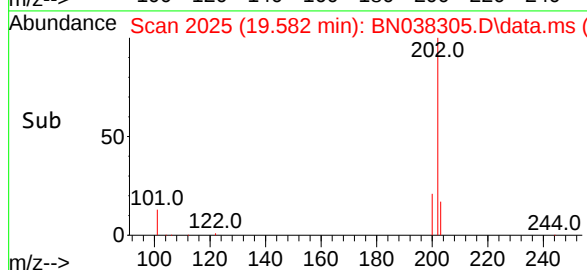
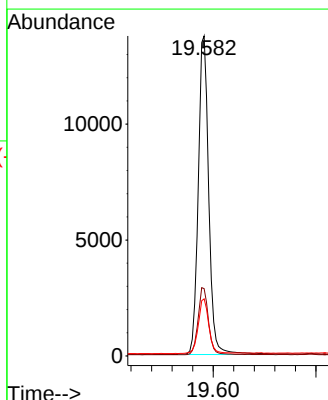
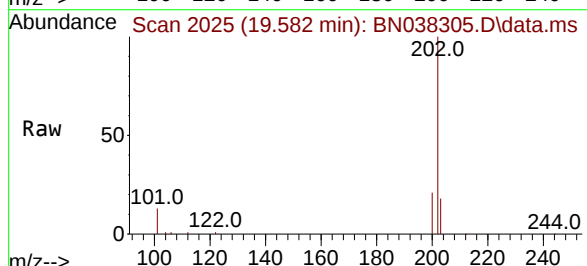
Tgt Ion:202 Resp: 19552

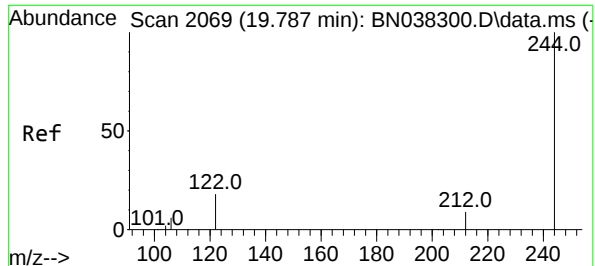
Ion Ratio Lower Upper

202 100

200 21.0 16.9 25.3

203 17.5 14.2 21.2

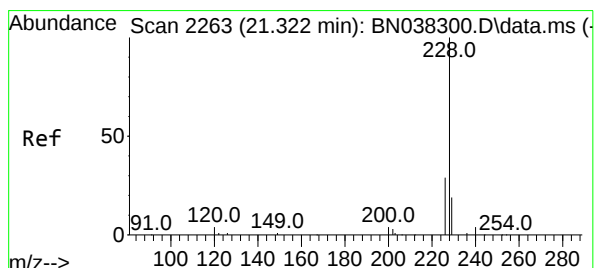
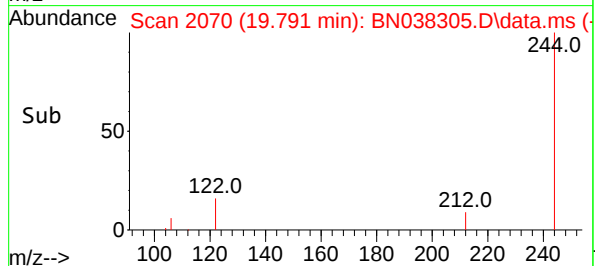
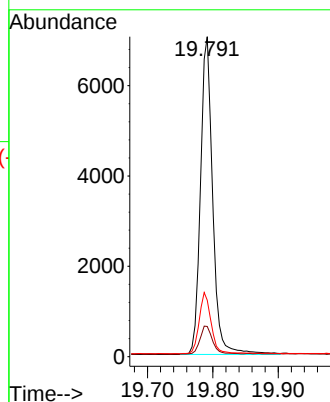
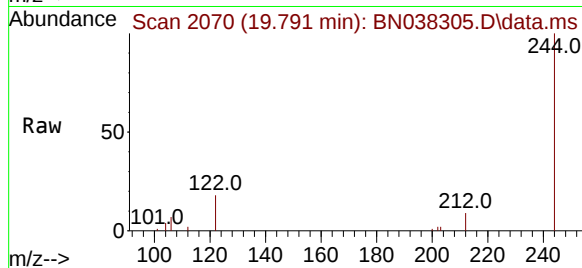




#31  
Terphenyl-d14  
Concen: 0.395 ng  
RT: 19.791 min Scan# 2069  
Delta R.T. 0.000 min  
Lab File: BN038305.D  
Acq: 10 Dec 2025 14:06

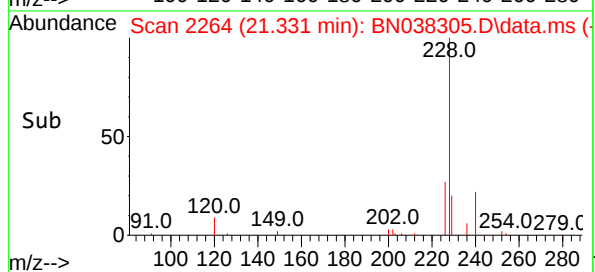
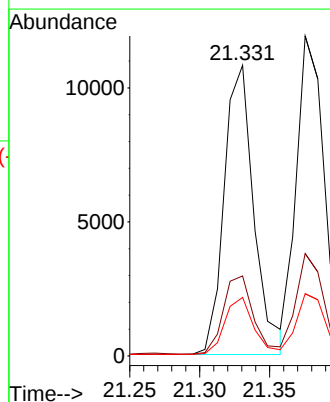
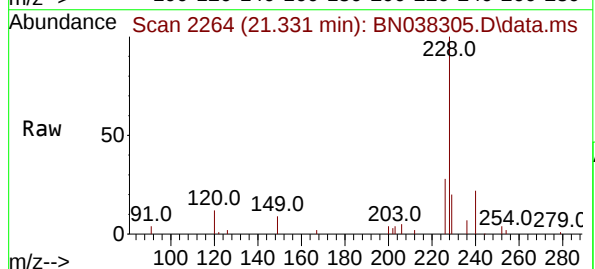
Instrument :  
BNA\_N  
ClientSampleId :  
ICVBN121025

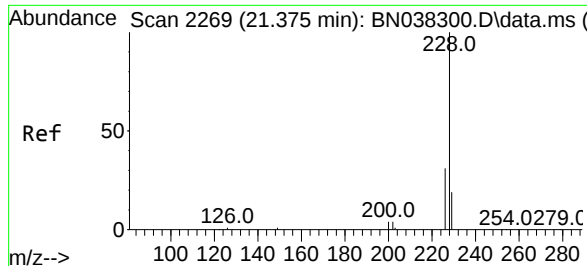
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 9.4   | 7.9   | 11.9  |
| 122     | 17.7  | 15.0  | 22.6  |



#32  
Benzo(a)anthracene  
Concen: 0.400 ng  
RT: 21.331 min Scan# 2264  
Delta R.T. 0.000 min  
Lab File: BN038305.D  
Acq: 10 Dec 2025 14:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 27.5  | 23.3  | 34.9  |
| 229     | 20.2  | 15.7  | 23.5  |





#33

Chrysene

Concen: 0.397 ng

RT: 21.375 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN038305.D

Acq: 10 Dec 2025 14:06

Instrument :

BNA\_N

ClientSampleId :

ICVBN121025

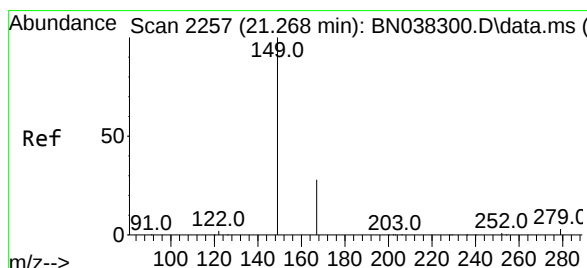
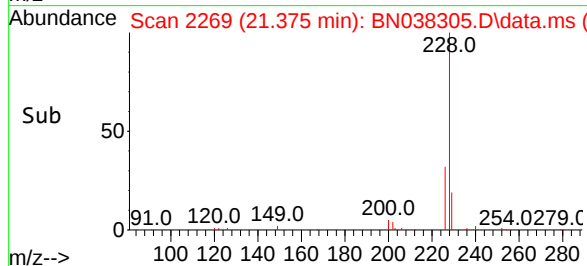
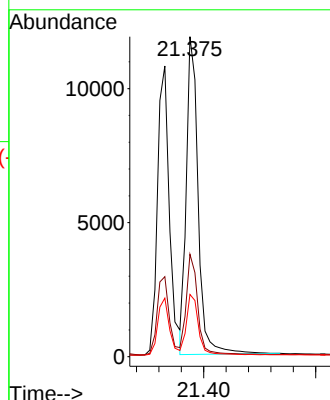
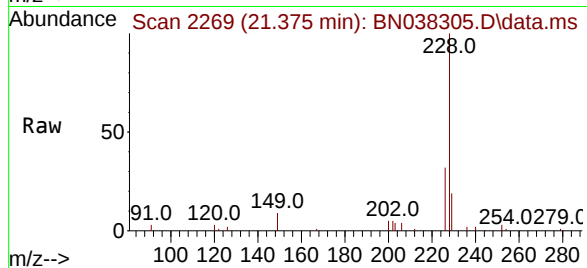
Tgt Ion:228 Resp: 17443

Ion Ratio Lower Upper

228 100

226 32.0 25.0 37.4

229 19.4 15.5 23.3



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.371 ng

RT: 21.268 min Scan# 2257

Delta R.T. 0.000 min

Lab File: BN038305.D

Acq: 10 Dec 2025 14:06

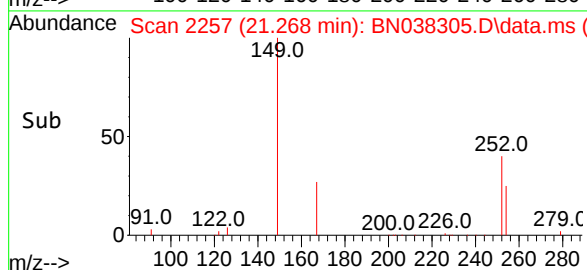
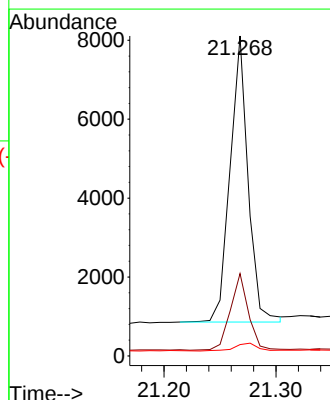
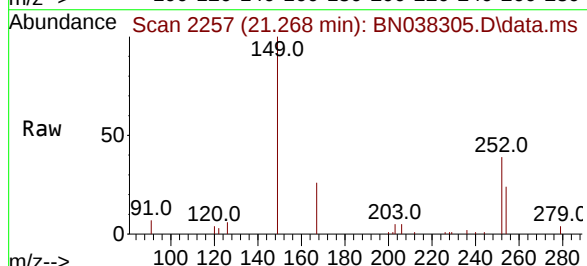
Tgt Ion:149 Resp: 8119

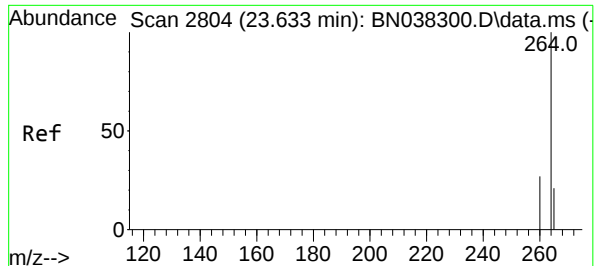
Ion Ratio Lower Upper

149 100

167 26.9 21.4 32.0

279 3.5 2.4 3.6

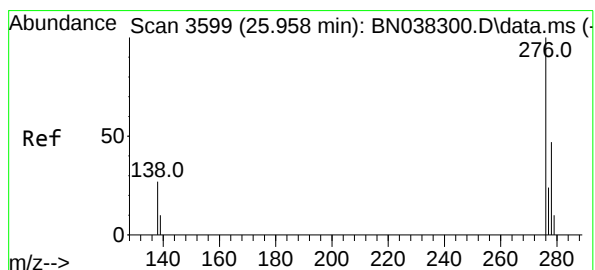
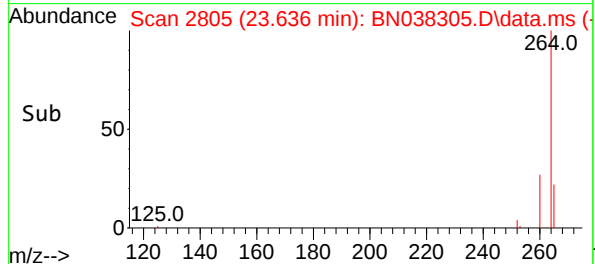
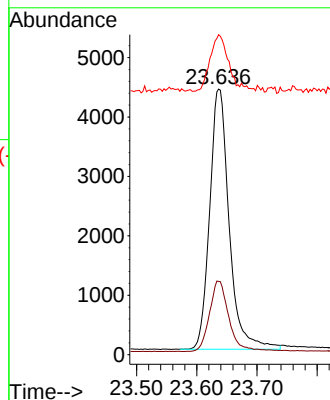
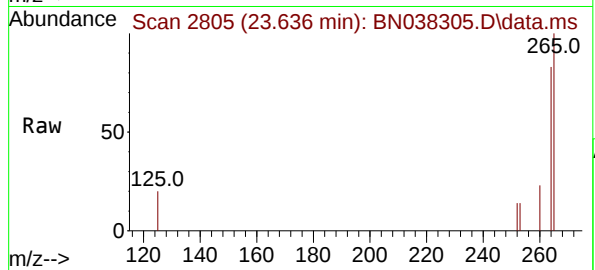




#35  
Perylene-d12  
Concen: 0.400 ng  
RT: 23.636 min Scan# 21  
Delta R.T. 0.003 min  
Lab File: BN038305.D  
Acq: 10 Dec 2025 14:06

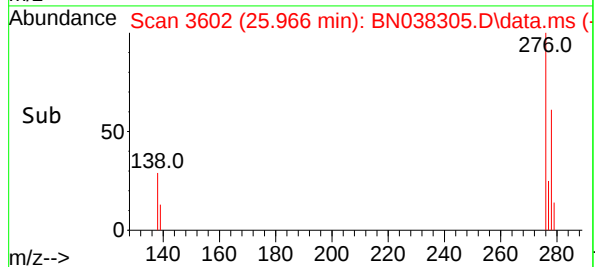
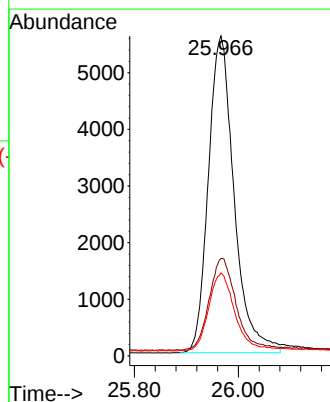
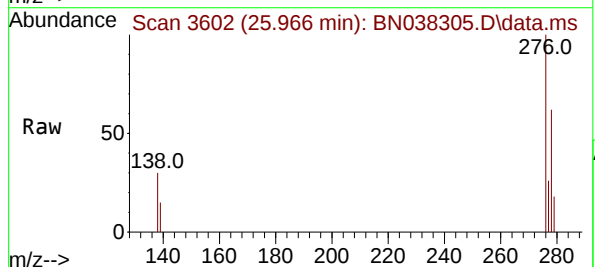
Instrument :  
BNA\_N  
ClientSampleId :  
ICVBN121025

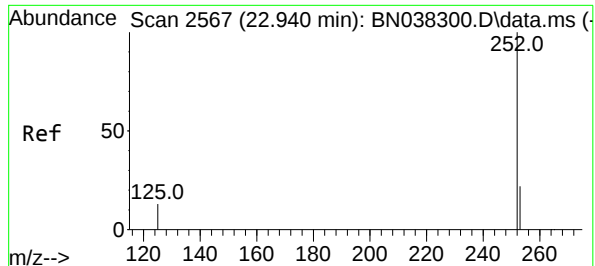
Tgt Ion:264 Resp: 9862  
Ion Ratio Lower Upper  
264 100  
260 27.6 22.2 33.2  
265 120.5 80.2 120.2#



#36  
Indeno(1,2,3-cd)pyrene  
Concen: 0.369 ng  
RT: 25.966 min Scan# 3602  
Delta R.T. 0.003 min  
Lab File: BN038305.D  
Acq: 10 Dec 2025 14:06

Tgt Ion:276 Resp: 19287  
Ion Ratio Lower Upper  
276 100  
138 30.3 23.6 35.4  
277 25.1 19.7 29.5





#37

Benzo(b)fluoranthene

Concen: 0.389 ng

RT: 22.943 min Scan# 2567

Delta R.T. -0.003 min

Lab File: BN038305.D

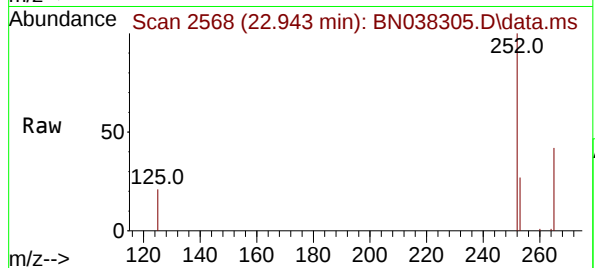
Acq: 10 Dec 2025 14:06

Instrument :

BNA\_N

ClientSampleId :

ICVBN121025



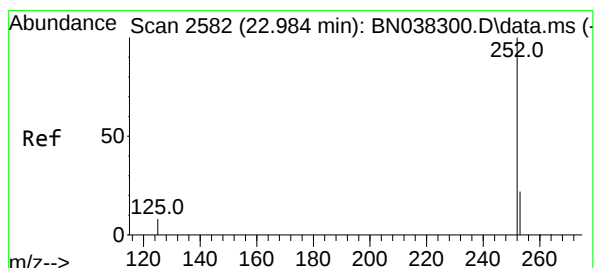
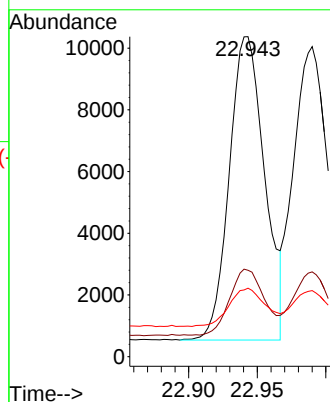
Tgt Ion:252 Resp: 17623

Ion Ratio Lower Upper

252 100

253 27.0 21.1 31.7

125 21.4 16.4 24.6



#38

Benzo(k)fluoranthene

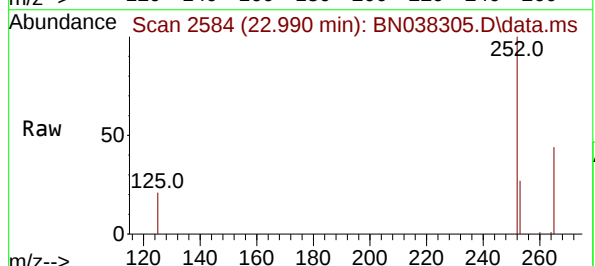
Concen: 0.392 ng

RT: 22.990 min Scan# 2584

Delta R.T. 0.000 min

Lab File: BN038305.D

Acq: 10 Dec 2025 14:06



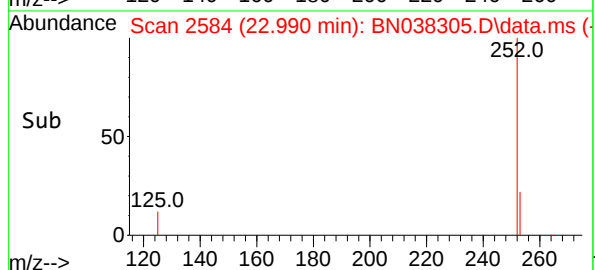
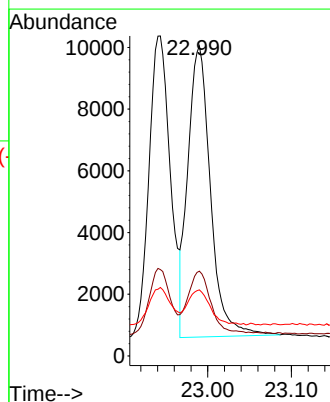
Tgt Ion:252 Resp: 17707

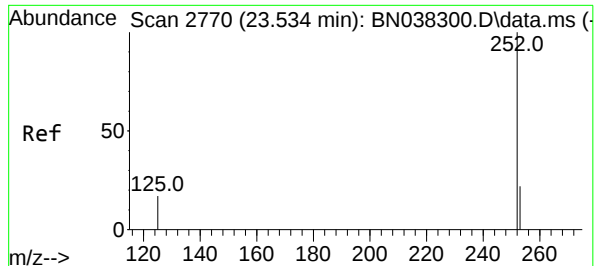
Ion Ratio Lower Upper

252 100

253 27.4 21.4 32.0

125 21.3 16.2 24.2





#39

Benzo(a)pyrene

Concen: 0.406 ng

RT: 23.534 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN038305.D

Acq: 10 Dec 2025 14:06

Instrument :

BNA\_N

ClientSampleId :

ICVBN121025

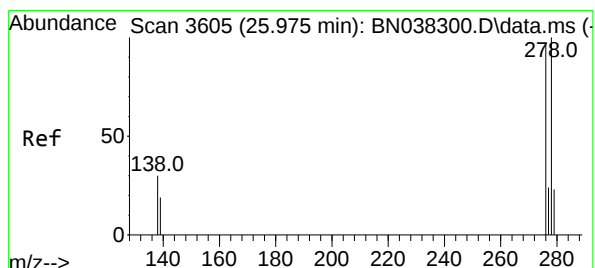
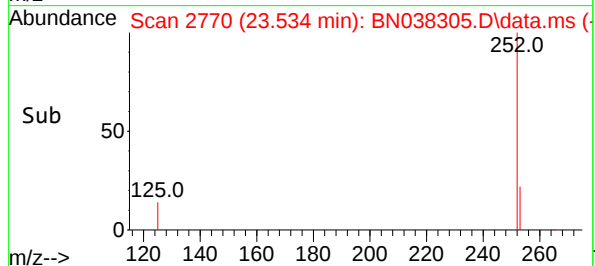
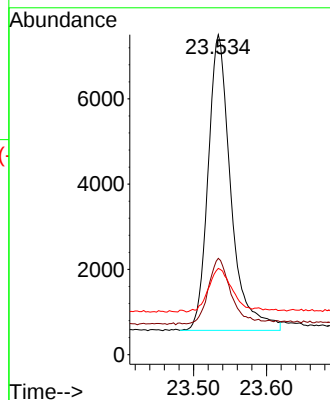
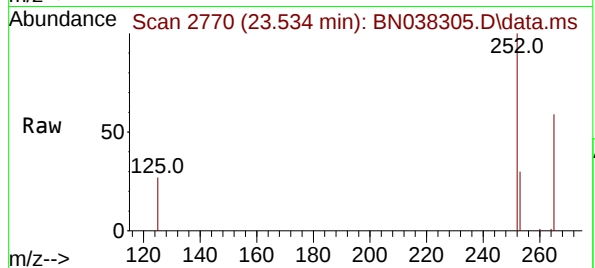
Tgt Ion:252 Resp: 15048

Ion Ratio Lower Upper

252 100

253 30.1 23.3 34.9

125 27.0 22.4 33.6



#40

Dibenzo(a,h)anthracene

Concen: 0.387 ng

RT: 25.987 min Scan# 3609

Delta R.T. 0.006 min

Lab File: BN038305.D

Acq: 10 Dec 2025 14:06

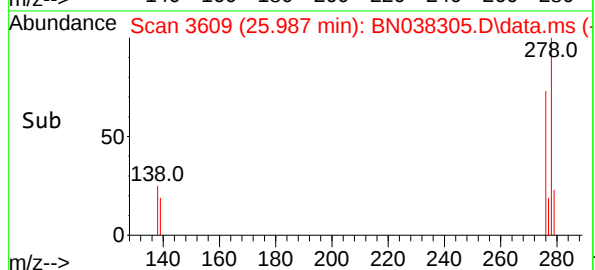
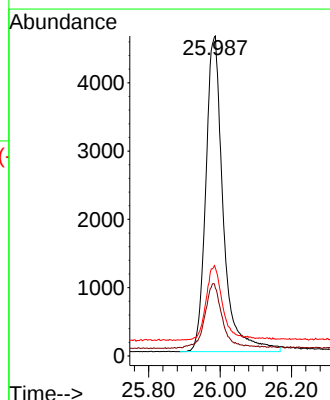
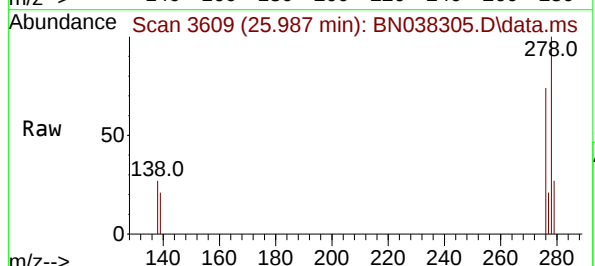
Tgt Ion:278 Resp: 15615

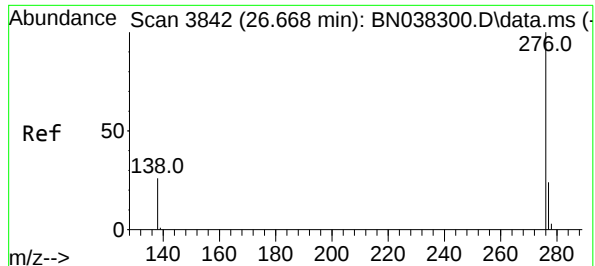
Ion Ratio Lower Upper

278 100

139 21.2 17.8 26.8

279 27.4 21.3 31.9





#41

Benzo(g,h,i)perylene

Concen: 0.377 ng

RT: 26.671 min Scan# 3843

Delta R.T. -0.006 min

Lab File: BN038305.D

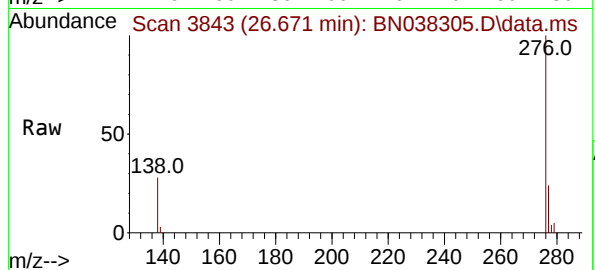
Acq: 10 Dec 2025 14:06

Instrument :

BNA\_N

ClientSampleId :

ICVBN121025



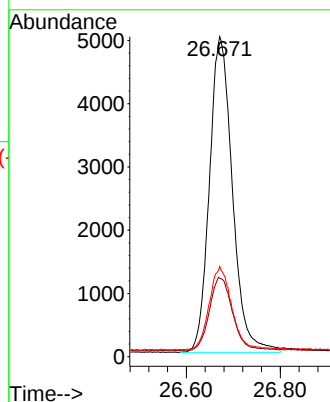
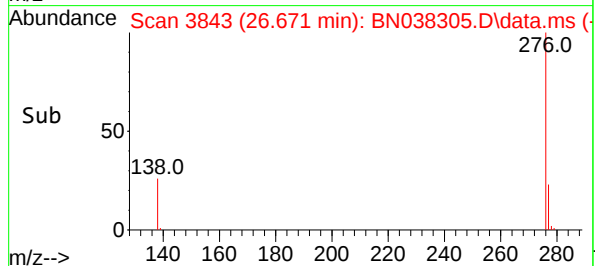
Tgt Ion:276 Resp: 16981

Ion Ratio Lower Upper

276 100

277 24.5 20.0 30.0

138 28.2 21.8 32.6



Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN121025\  
 Data File : BN038305.D  
 Acq On : 10 Dec 2025 14:06  
 Operator : RC/JU  
 Sample : SSTDICV0.4  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 ICVBN121025

Quant Time: Dec 10 14:34:41 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN121025.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 10 13:56:50 2025  
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 25% Max. Rel. Area : 150%

|         | Compound                   | AvgRF | CCRF  | %Dev  | Area% | Dev(min) |
|---------|----------------------------|-------|-------|-------|-------|----------|
| 1 I     | 1,4-Dichlorobenzene-d4     | 1.000 | 1.000 | 0.0   | 88    | 0.00     |
| 2       | 1,4-Dioxane                | 0.459 | 0.507 | -10.5 | 96    | 0.00     |
| 3       | n-Nitrosodimethylamine     | 0.575 | 0.586 | -1.9  | 90    | 0.00     |
| 4 S     | 2-Fluorophenol             | 0.996 | 0.941 | 5.5   | 84    | 0.00     |
| 5 S     | Phenol-d6                  | 1.184 | 1.070 | 9.6   | 82    | 0.00     |
| 6       | bis(2-Chloroethyl)ether    | 1.158 | 1.197 | -3.4  | 91    | 0.00     |
| 7 I     | Naphthalene-d8             | 1.000 | 1.000 | 0.0   | 90    | 0.00     |
| 8 S     | Nitrobenzene-d5            | 0.337 | 0.327 | 3.0   | 89    | 0.00     |
| 9       | Naphthalene                | 1.182 | 1.168 | 1.2   | 90    | 0.00     |
| 10      | Hexachlorobutadiene        | 0.210 | 0.214 | -1.9  | 92    | 0.00     |
| 11 SURR | 2-Methylnaphthalene-d10    | 0.564 | 0.559 | 0.9   | 91    | 0.00     |
| 12      | 2-Methylnaphthalene        | 0.751 | 0.688 | 8.4   | 85    | 0.00     |
| 13 I    | Acenaphthene-d10           | 1.000 | 1.000 | 0.0   | 91    | 0.00     |
| 14 S    | 2,4,6-Tribromophenol       | 0.177 | 0.149 | 15.8  | 81    | 0.00     |
| 15 S    | 2-Fluorobiphenyl           | 1.927 | 1.798 | 6.7   | 83    | 0.00     |
| 16      | Acenaphthylene             | 1.964 | 2.136 | -8.8  | 102   | 0.00     |
| 17      | Acenaphthene               | 1.369 | 1.358 | 0.8   | 92    | 0.00     |
| 18      | Fluorene                   | 1.761 | 1.719 | 2.4   | 91    | 0.00     |
| 19 I    | Phenanthrene-d10           | 1.000 | 1.000 | 0.0   | 91    | 0.00     |
| 20      | 4,6-Dinitro-2-methylphenol | 0.066 | 0.054 | 18.2  | 87    | 0.00     |
| 21      | 4-Bromophenyl-phenylether  | 0.297 | 0.284 | 4.4   | 90    | 0.00     |
| 22      | Hexachlorobenzene          | 0.357 | 0.352 | 1.4   | 92    | 0.00     |
| 23      | Atrazine                   | 0.202 | 0.190 | 5.9   | 91    | 0.00     |
| 24      | Pentachlorophenol          | 0.139 | 0.103 | 25.9# | 78    | 0.00     |
| 25      | Phenanthrene               | 1.392 | 1.351 | 2.9   | 91    | 0.00     |
| 26      | Anthracene                 | 1.200 | 1.186 | 1.2   | 95    | 0.00     |
| 27 SURR | Fluoranthene-d10           | 0.989 | 0.970 | 1.9   | 90    | 0.00     |
| 28      | Fluoranthene               | 1.480 | 1.386 | 6.4   | 87    | 0.00     |
| 29 I    | Chrysene-d12               | 1.000 | 1.000 | 0.0   | 90    | 0.00     |
| 30      | Pyrene                     | 1.969 | 1.891 | 4.0   | 88    | 0.00     |
| 31 S    | Terphenyl-d14              | 0.893 | 0.881 | 1.3   | 90    | 0.00     |
| 32      | Benzo(a)anthracene         | 1.545 | 1.544 | 0.1   | 94    | 0.00     |
| 33      | Chrysene                   | 1.701 | 1.687 | 0.8   | 88    | 0.00     |
| 34      | Bis(2-ethylhexyl)phthalate | 0.848 | 0.785 | 7.4   | 83    | 0.00     |
| 35 I    | Perylene-d12               | 1.000 | 1.000 | 0.0   | 86    | 0.00     |
| 36      | Indeno(1,2,3-cd)pyrene     | 2.123 | 1.956 | 7.9   | 79    | 0.00     |
| 37      | Benzo(b)fluoranthene       | 1.837 | 1.787 | 2.7   | 86    | 0.00     |
| 38      | Benzo(k)fluoranthene       | 1.832 | 1.795 | 2.0   | 86    | 0.00     |
| 39 C    | Benzo(a)pyrene             | 1.503 | 1.526 | -1.5  | 89    | 0.00     |
| 40      | Dibenzo(a,h)anthracene     | 1.637 | 1.583 | 3.3   | 84    | 0.00     |
| 41      | Benzo(g,h,i)perylene       | 1.829 | 1.722 | 5.9   | 81    | 0.00     |

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

**Instrument :**

BNA\_N

**ClientSampleId :**

ICVBN121025



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

7C

## SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: JAC005  
 Lab Code: ACE SDG No.: Q3828  
 Instrument ID: BNA\_N Calibration Date/Time: 12/12/2025 09:24  
 Lab File ID: BN038343.D Init. Calib. Date(s): 12/10/2025 12/10/2025  
 EPA Sample No.: SSTDCCC0.4 Init. Calib. Time(s): 09:52 13:30  
 GC Column: ZB-GR ID: 0.25 (mm)

| COMPOUND                | RRF   | RRF0.4 | MIN<br>RRF | %D    | MAX%D |
|-------------------------|-------|--------|------------|-------|-------|
| 2-Methylnaphthalene-d10 | 0.564 | 0.557  |            | -1.2  | 20.0  |
| Fluoranthene-d10        | 0.990 | 1.007  |            | 1.7   | 20.0  |
| 2-Fluorophenol          | 0.996 | 0.966  |            | -3.0  | 20.0  |
| Phenol-d6               | 1.184 | 1.162  |            | -1.9  | 20.0  |
| Nitrobenzene-d5         | 0.337 | 0.317  |            | -5.9  | 20.0  |
| 2-Fluorobiphenyl        | 1.914 | 1.930  |            | 0.8   | 20.0  |
| 2,4,6-Tribromophenol    | 0.177 | 0.159  |            | -10.2 | 20.0  |
| Terphenyl-d14           | 0.893 | 0.853  |            | -4.5  | 20.0  |
| 1,4-Dioxane             | 0.459 | 0.488  |            | 6.3   | 20.0  |

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN121225\  
 Data File : BN038343.D  
 Acq On : 12 Dec 2025 09:24  
 Operator : RC/JU  
 Sample : SSTDCCC0.4  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTDCCC0.4

Quant Time: Dec 12 09:59:58 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN121025.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 10 13:56:50 2025  
 Response via : Initial Calibration

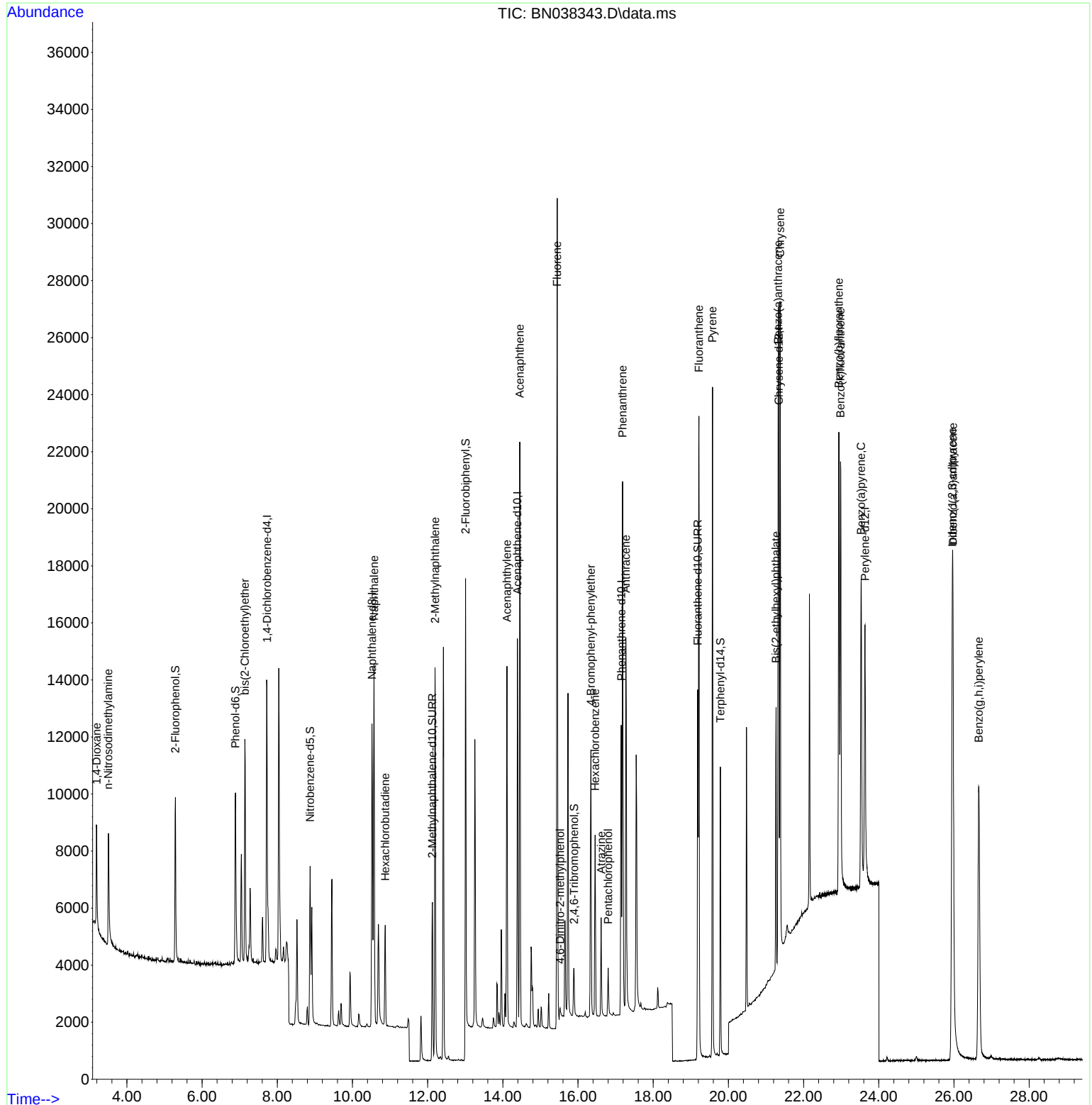
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.724  | 152  | 5196     | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.519 | 136  | 14288    | 0.400 | ng    | #-0.01   |
| 13) Acenaphthene-d10          | 14.387 | 164  | 7596     | 0.400 | ng    | -0.01    |
| 19) Phenanthrene-d10          | 17.148 | 188  | 14177    | 0.400 | ng    | 0.00     |
| 29) Chrysene-d12              | 21.339 | 240  | 11670    | 0.400 | ng    | 0.00     |
| 35) Perylene-d12              | 23.633 | 264  | 12444    | 0.400 | ng    | 0.00     |
|                               |        |      |          |       |       |          |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.290  | 112  | 5018     | 0.388 | ng    | 0.00     |
| 5) Phenol-d6                  | 6.886  | 99   | 6038     | 0.392 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 8.875  | 82   | 4529     | 0.376 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10   | 12.126 | 152  | 7953     | 0.395 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 15.895 | 330  | 1211     | 0.359 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 13.008 | 172  | 14661    | 0.401 | ng    | 0.00     |
| 27) Fluoranthene-d10          | 19.183 | 212  | 14274    | 0.407 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.787 | 244  | 9959     | 0.382 | ng    | 0.00     |
|                               |        |      |          |       |       |          |
| Target Compounds              |        |      |          |       |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.196  | 88   | 2538     | 0.426 | ng    | 98       |
| 3) n-Nitrosodimethylamine     | 3.507  | 42   | 2757     | 0.369 | ng    | # 94     |
| 6) bis(2-Chloroethyl)ether    | 7.139  | 93   | 6110     | 0.406 | ng    | 100      |
| 9) Naphthalene                | 10.573 | 128  | 16530    | 0.391 | ng    | 100      |
| 10) Hexachlorobutadiene       | 10.872 | 225  | 2924     | 0.389 | ng    | # 100    |
| 12) 2-Methylnaphthalene       | 12.197 | 142  | 10559    | 0.394 | ng    | 100      |
| 16) Acenaphthylene            | 14.110 | 152  | 14114    | 0.378 | ng    | 99       |
| 17) Acenaphthene              | 14.452 | 154  | 9849     | 0.379 | ng    | 97       |
| 18) Fluorene                  | 15.446 | 166  | 12900    | 0.386 | ng    | 100      |
| 20) 4,6-Dinitro-2-methylph... | 15.522 | 198  | 182      | 0.078 | ng    | # 1      |
| 21) 4-Bromophenyl-phenylether | 16.342 | 248  | 4006     | 0.381 | ng    | 99       |
| 22) Hexachlorobenzene         | 16.453 | 284  | 4990     | 0.395 | ng    | 98       |
| 23) Atrazine                  | 16.615 | 200  | 2706     | 0.377 | ng    | 98       |
| 24) Pentachlorophenol         | 16.801 | 266  | 912      | 0.185 | ng    | 99       |
| 25) Phenanthrene              | 17.186 | 178  | 19077    | 0.387 | ng    | 100      |
| 26) Anthracene                | 17.273 | 178  | 16452    | 0.387 | ng    | 99       |
| 28) Fluoranthene              | 19.215 | 202  | 21105    | 0.402 | ng    | 100      |
| 30) Pyrene                    | 19.578 | 202  | 21243    | 0.370 | ng    | 100      |
| 32) Benzo(a)anthracene        | 21.322 | 228  | 17188    | 0.381 | ng    | 99       |
| 33) Chrysene                  | 21.375 | 228  | 19898    | 0.401 | ng    | 100      |
| 34) Bis(2-ethylhexyl)phtha... | 21.268 | 149  | 8597     | 0.348 | ng    | 100      |
| 36) Indeno(1,2,3-cd)pyrene    | 25.955 | 276  | 23803    | 0.360 | ng    | 98       |
| 37) Benzo(b)fluoranthene      | 22.937 | 252  | 20494    | 0.359 | ng    | 98       |
| 38) Benzo(k)fluoranthene      | 22.984 | 252  | 20086    | 0.352 | ng    | 100      |
| 39) Benzo(a)pyrene            | 23.531 | 252  | 16745    | 0.358 | ng    | 97       |
| 40) Dibenzo(a,h)anthracene    | 25.972 | 278  | 18552    | 0.364 | ng    | 99       |
| 41) Benzo(g,h,i)perylene      | 26.659 | 276  | 20585    | 0.362 | ng    | 100      |
| -----                         |        |      |          |       |       |          |

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

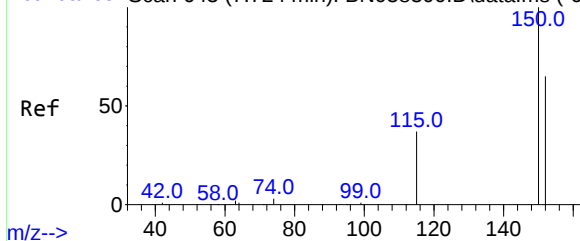
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Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121225\  
Data File : BN038343.D  
Acq On    : 12 Dec 2025   09:24  
Operator  : RC/JU  
Sample    : SSTDCCC0.4  
Misc      :  
ALS Vial  : 2    Sample Multiplier: 1
```

**Instrument :**  
BNA\_N  
**ClientSampleId :**  
SSTDCCC0.4

Quant Time: Dec 12 09:59:58 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN121025.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
Qlast Update : Wed Dec 10 13:56:50 2025  
Response via : Initial Calibration



Abundance Scan 643 (7.724 min): BN038300.D\data.ms (-63)



#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.724 min Scan# 64

Delta R.T. 0.000 min

Lab File: BN038343.D

Acq: 12 Dec 2025 09:24

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4

Tgt Ion:152 Resp: 5196

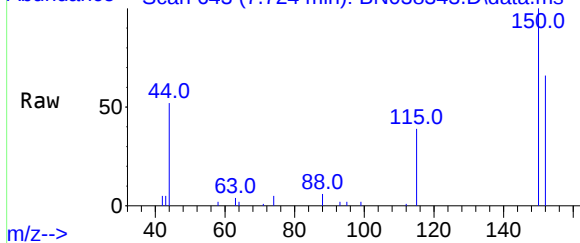
Ion Ratio Lower Upper

152 100

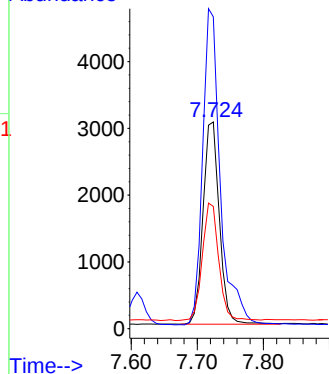
150 150.9 122.4 183.6

115 59.1 47.3 70.9

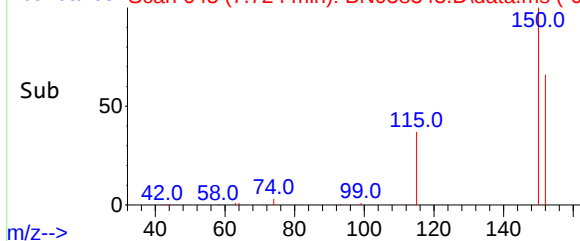
Abundance Scan 643 (7.724 min): BN038343.D\data.ms



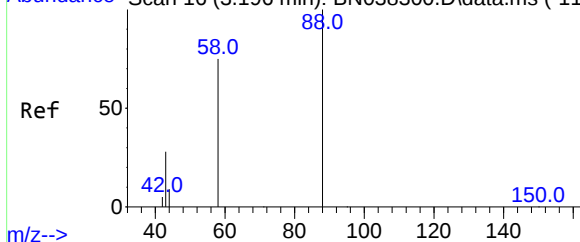
Abundance



Abundance Scan 643 (7.724 min): BN038343.D\data.ms (-61)



Abundance Scan 16 (3.196 min): BN038300.D\data.ms (-11)



#2

1,4-Dioxane

Concen: 0.426 ng

RT: 3.196 min Scan# 16

Delta R.T. -0.000 min

Lab File: BN038343.D

Acq: 12 Dec 2025 09:24

Tgt Ion: 88 Resp: 2538

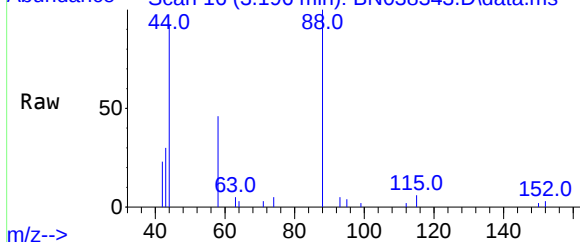
Ion Ratio Lower Upper

88 100

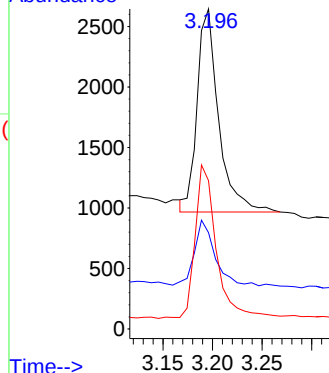
43 31.6 24.9 37.3

58 74.9 61.4 92.0

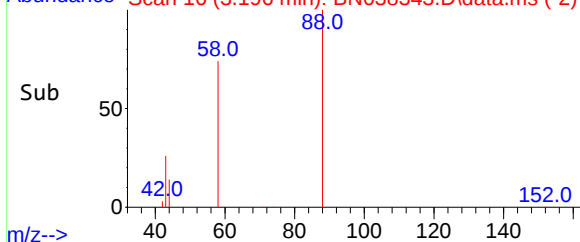
Abundance Scan 16 (3.196 min): BN038343.D\data.ms



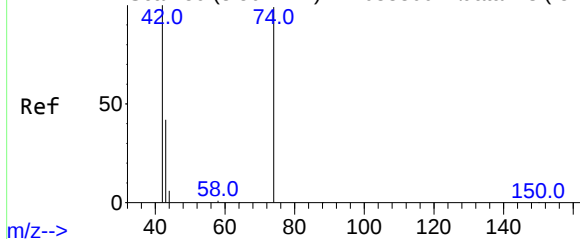
Abundance



Abundance Scan 16 (3.196 min): BN038343.D\data.ms (-2)

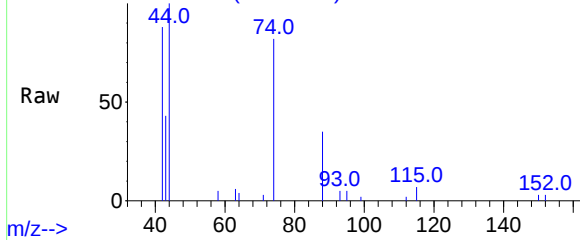


Abundance Scan 59 (3.507 min): BN038300.D\data.ms (-52)



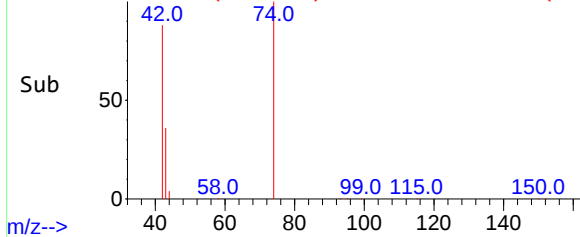
m/z--&gt;

Abundance Scan 59 (3.507 min): BN038343.D\data.ms



m/z--&gt;

Abundance Scan 59 (3.507 min): BN038343.D\data.ms (-37)



m/z--&gt;

#3

n-Nitrosodimethylamine

Concen: 0.369 ng

RT: 3.507 min Scan# 59

Delta R.T. 0.007 min

Lab File: BN038343.D

Acq: 12 Dec 2025 09:24

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4

Tgt Ion: 42 Resp: 2757

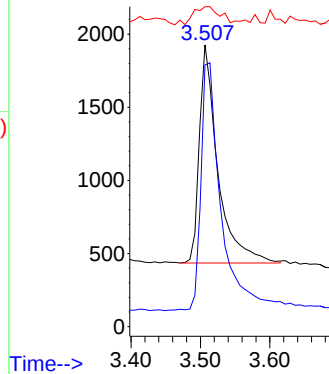
Ion Ratio Lower Upper

42 100

74 125.6 95.3 142.9

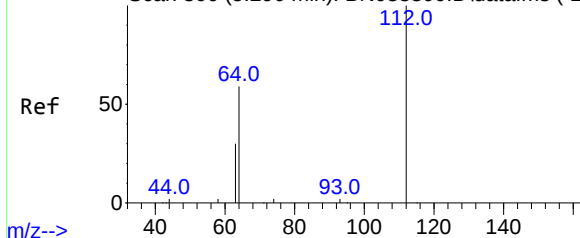
44 12.9 7.9 11.9#

Abundance



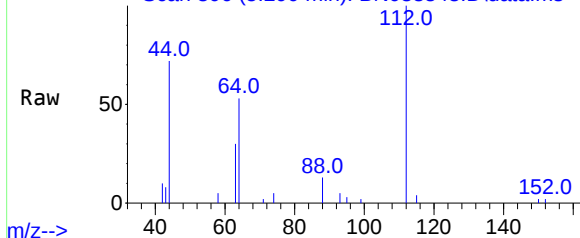
Time--&gt;

Abundance Scan 306 (5.290 min): BN038300.D\data.ms (-29)



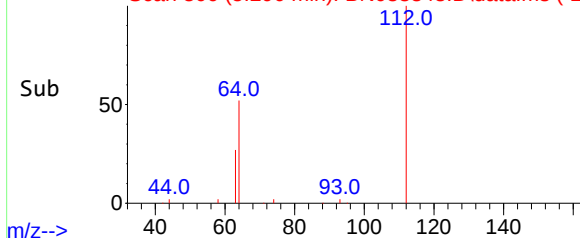
m/z--&gt;

Abundance Scan 306 (5.290 min): BN038343.D\data.ms



m/z--&gt;

Abundance Scan 306 (5.290 min): BN038343.D\data.ms (-27)



m/z--&gt;

#4

2-Fluorophenol

Concen: 0.388 ng

RT: 5.290 min Scan# 306

Delta R.T. -0.000 min

Lab File: BN038343.D

Acq: 12 Dec 2025 09:24

Tgt Ion: 112 Resp: 5018

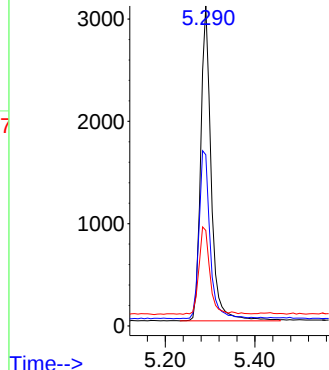
Ion Ratio Lower Upper

112 100

64 56.0 44.4 66.6

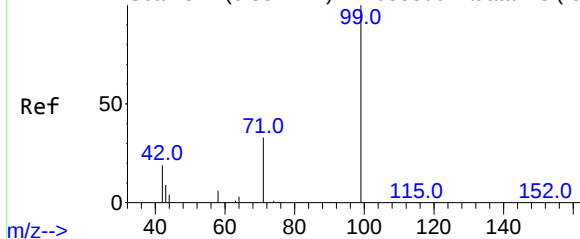
63 28.1 23.4 35.0

Abundance



Time--&gt;

Abundance Scan 527 (6.887 min): BN038300.D\data.ms (-52



#5

Phenol-d6

Concen: 0.392 ng

RT: 6.886 min Scan# 51

Delta R.T. -0.000 min

Lab File: BN038343.D

Acq: 12 Dec 2025 09:24

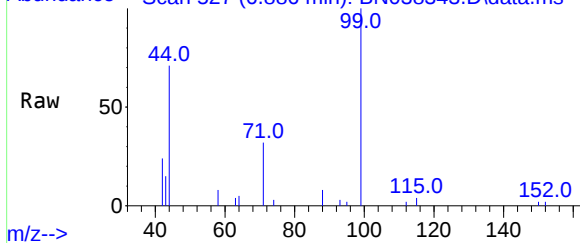
Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4

Abundance Scan 527 (6.886 min): BN038343.D\data.ms



Tgt Ion: 99 Resp: 6038

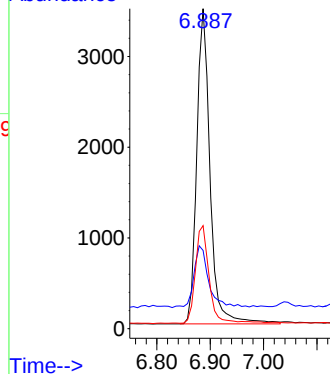
Ion Ratio Lower Upper

99 100

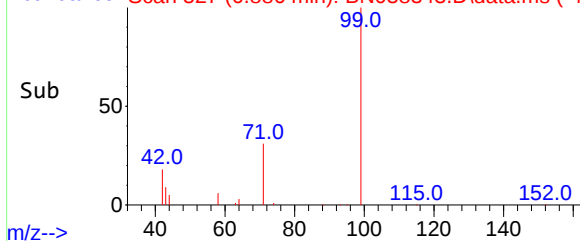
42 21.7 16.5 24.7

71 31.1 24.9 37.3

Abundance

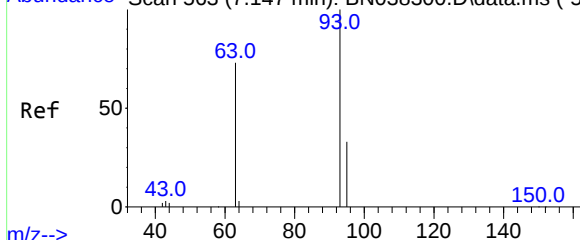


Abundance Scan 527 (6.886 min): BN038343.D\data.ms (-49



Time--&gt;

Abundance Scan 563 (7.147 min): BN038300.D\data.ms (-55



#6

bis(2-Chloroethyl)ether

Concen: 0.406 ng

RT: 7.139 min Scan# 562

Delta R.T. -0.007 min

Lab File: BN038343.D

Acq: 12 Dec 2025 09:24

Tgt Ion: 93 Resp: 6110

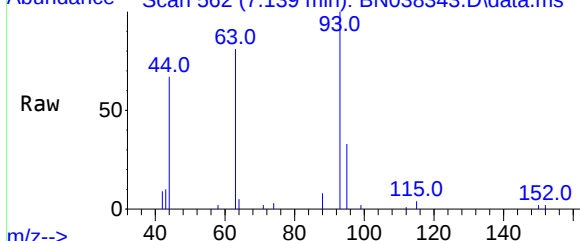
Ion Ratio Lower Upper

93 100

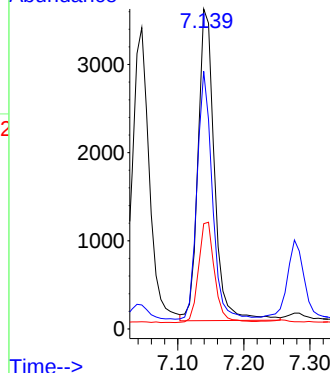
63 73.9 59.2 88.8

95 31.5 25.2 37.8

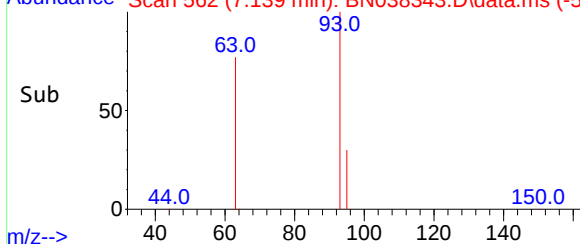
Abundance Scan 562 (7.139 min): BN038343.D\data.ms



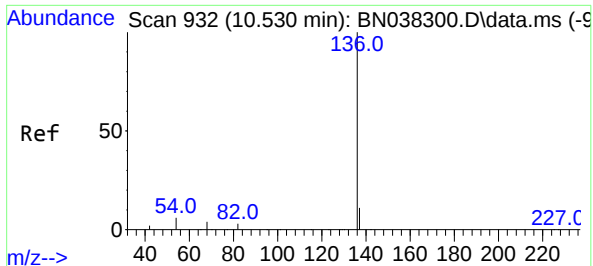
Abundance



Abundance Scan 562 (7.139 min): BN038343.D\data.ms (-52



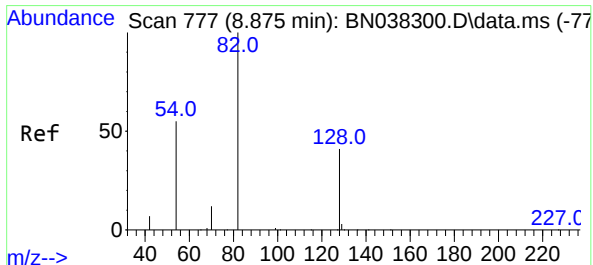
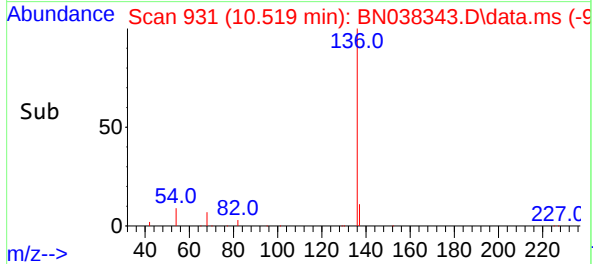
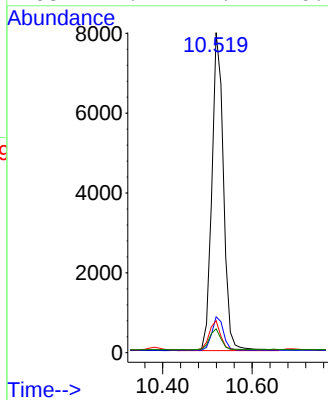
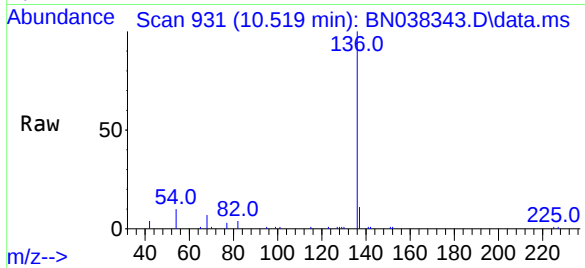
Time--&gt;



#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.519 min Scan# 911  
Delta R.T. -0.011 min  
Lab File: BN038343.D  
Acq: 12 Dec 2025 09:24

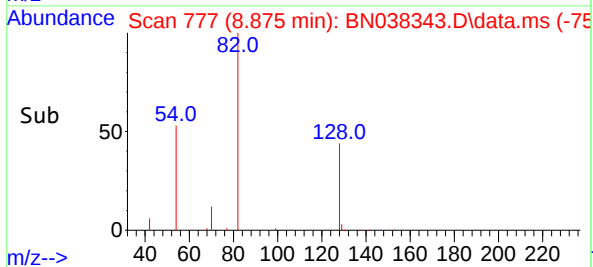
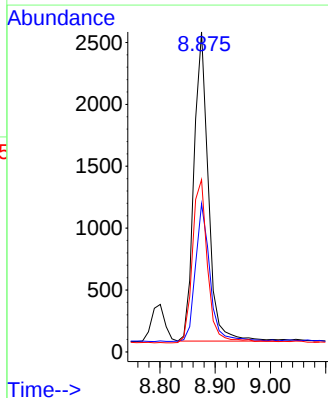
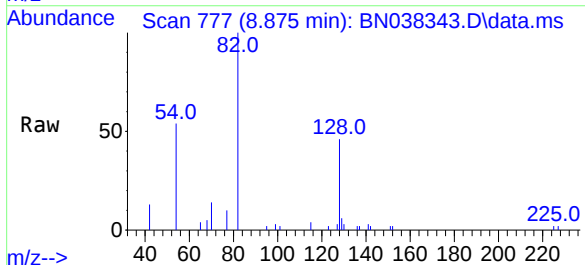
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4

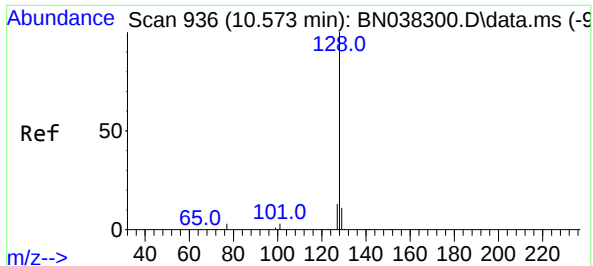
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 136   | Resp: | 14288 |
| Ion      | Ratio | Lower | Upper |
| 136      | 100   |       |       |
| 137      | 11.2  | 9.1   | 13.7  |
| 54       | 10.0  | 5.2   | 7.8#  |
| 68       | 7.4   | 4.1   | 6.1#  |



#8  
Nitrobenzene-d5  
Concen: 0.376 ng  
RT: 8.875 min Scan# 777  
Delta R.T. -0.000 min  
Lab File: BN038343.D  
Acq: 12 Dec 2025 09:24

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 82    | Resp: | 4529  |
| Ion      | Ratio | Lower | Upper |
| 82       | 100   |       |       |
| 128      | 46.3  | 34.0  | 51.0  |
| 54       | 53.8  | 44.4  | 66.6  |

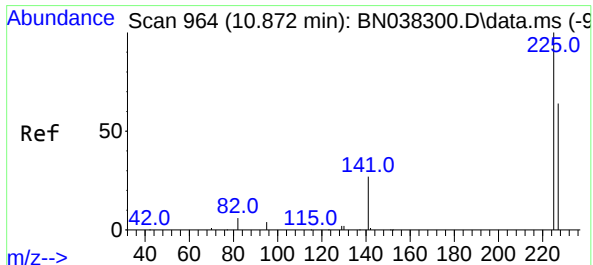
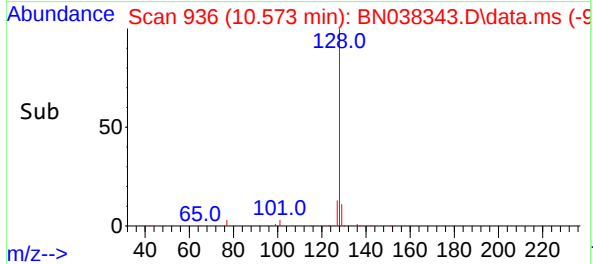
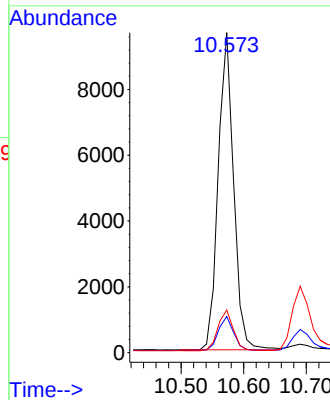
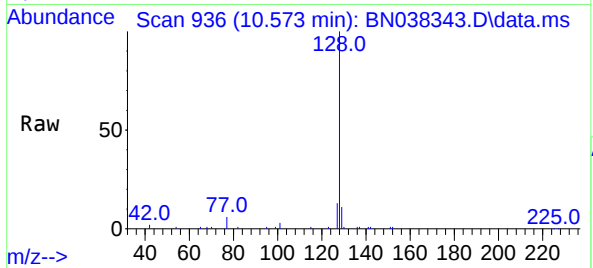




#9  
Naphthalene  
Concen: 0.391 ng  
RT: 10.573 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: BN038343.D  
Acq: 12 Dec 2025 09:24

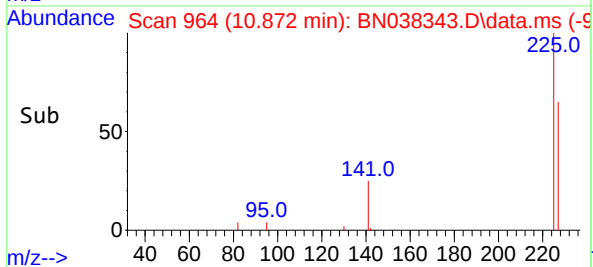
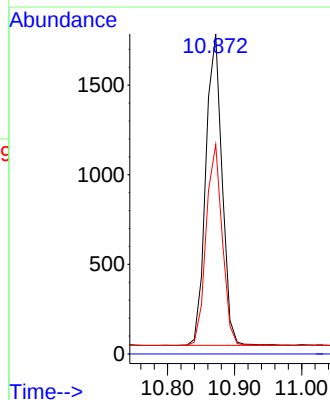
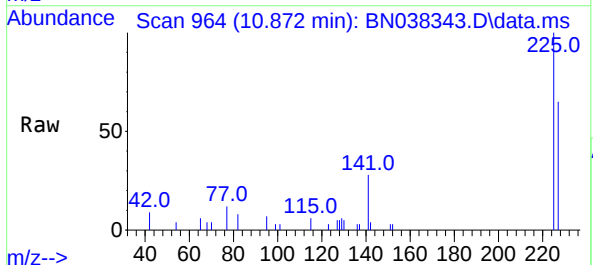
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4

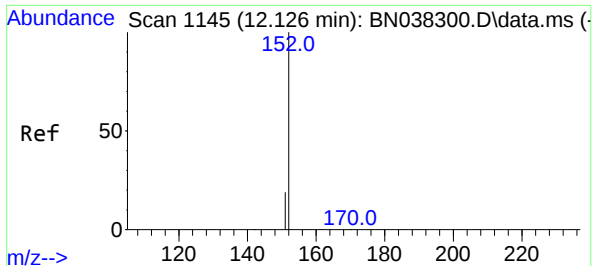
Tgt Ion:128 Resp: 16530  
Ion Ratio Lower Upper  
128 100  
129 11.3 9.1 13.7  
127 13.3 10.9 16.3



#10  
Hexachlorobutadiene  
Concen: 0.389 ng  
RT: 10.872 min Scan# 964  
Delta R.T. -0.000 min  
Lab File: BN038343.D  
Acq: 12 Dec 2025 09:24

Tgt Ion:225 Resp: 2924  
Ion Ratio Lower Upper  
225 100  
223 0.0 0.0 0.0  
227 64.1 51.2 76.8

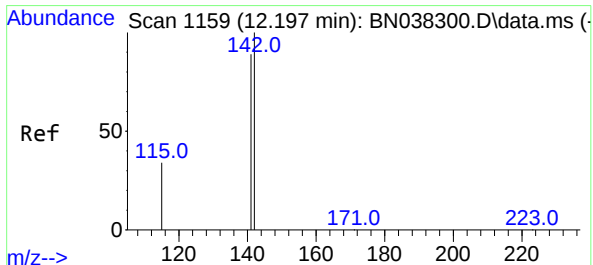
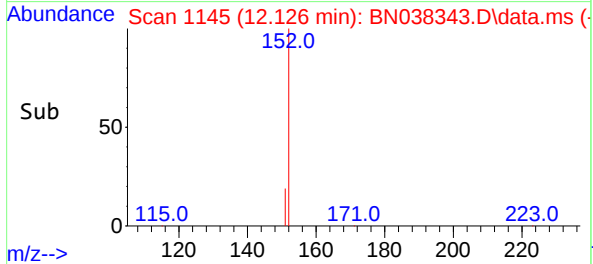
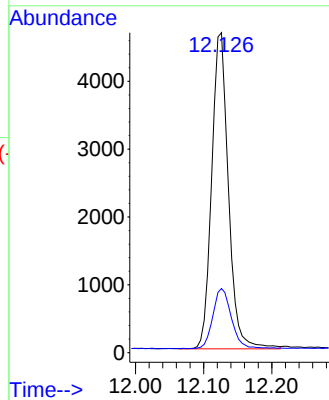
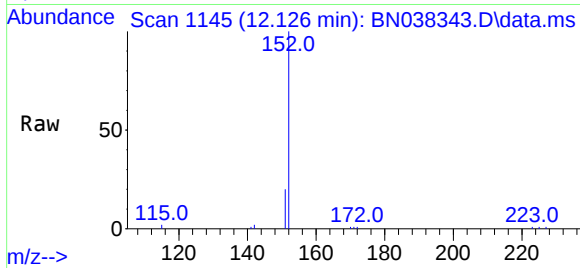




#11  
2-Methylnaphthalene-d10  
Concen: 0.395 ng  
RT: 12.126 min Scan# 1145  
Delta R.T. -0.000 min  
Lab File: BN038343.D  
Acq: 12 Dec 2025 09:24

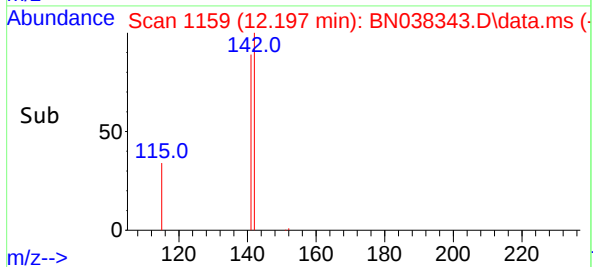
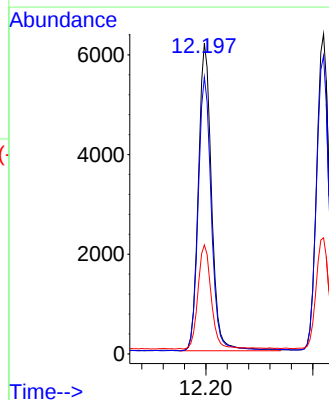
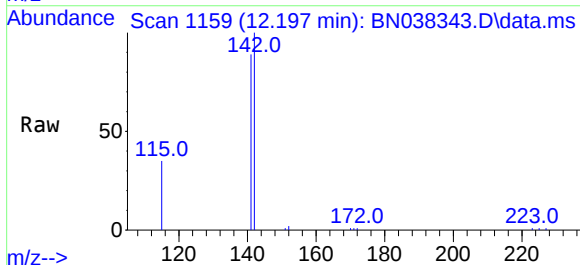
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4

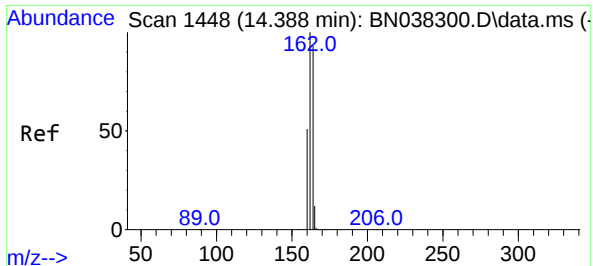
Tgt Ion:152 Resp: 7953  
Ion Ratio Lower Upper  
152 100  
151 21.0 17.0 25.6



#12  
2-Methylnaphthalene  
Concen: 0.394 ng  
RT: 12.197 min Scan# 1159  
Delta R.T. -0.005 min  
Lab File: BN038343.D  
Acq: 12 Dec 2025 09:24

Tgt Ion:142 Resp: 10559  
Ion Ratio Lower Upper  
142 100  
141 89.1 71.4 107.2  
115 35.1 28.4 42.6

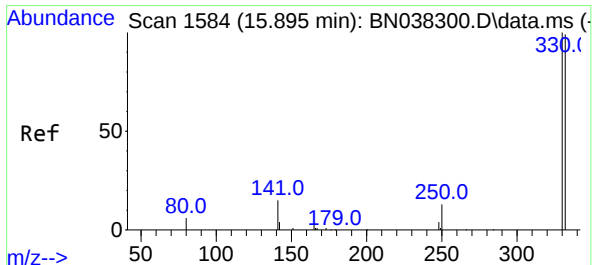
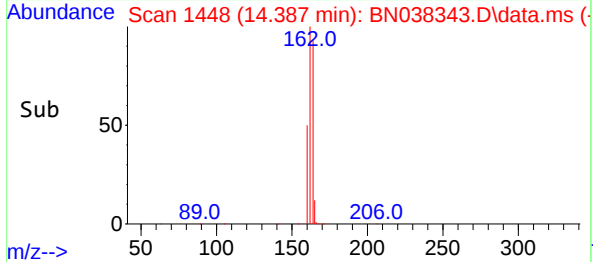
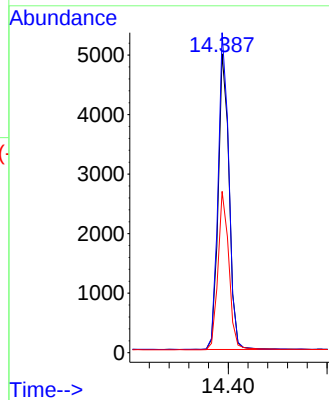
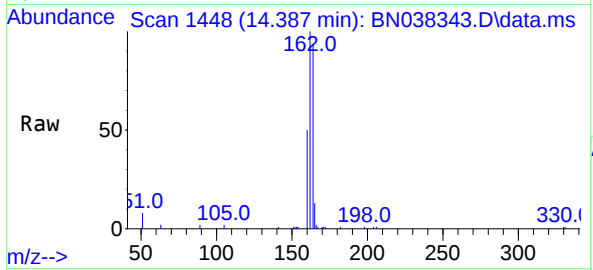




#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.387 min Scan# 1448  
Delta R.T. -0.011 min  
Lab File: BN038343.D  
Acq: 12 Dec 2025 09:24

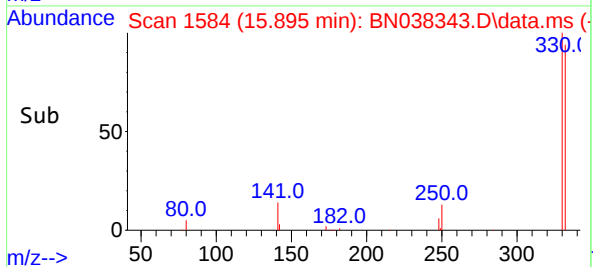
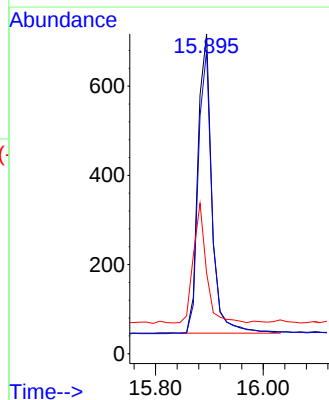
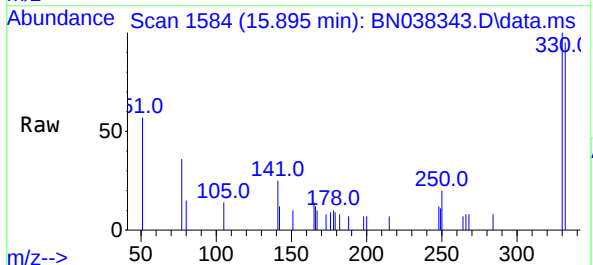
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4

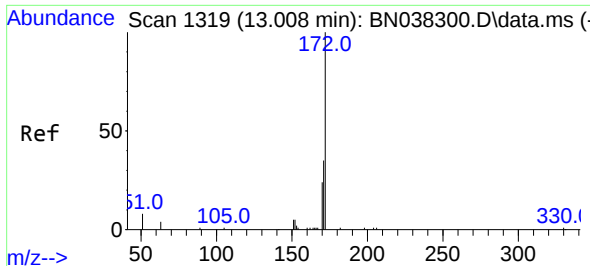
Tgt Ion:164 Resp: 7596  
Ion Ratio Lower Upper  
164 100  
162 107.1 86.2 129.4  
160 54.0 44.6 67.0



#14  
2,4,6-Tribromophenol  
Concen: 0.359 ng  
RT: 15.895 min Scan# 1584  
Delta R.T. -0.000 min  
Lab File: BN038343.D  
Acq: 12 Dec 2025 09:24

Tgt Ion:330 Resp: 1211  
Ion Ratio Lower Upper  
330 100  
332 94.1 75.8 113.6  
141 37.2 31.8 47.8

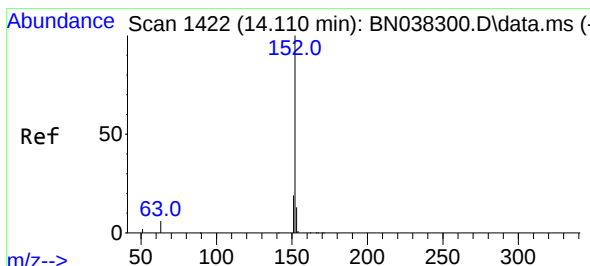
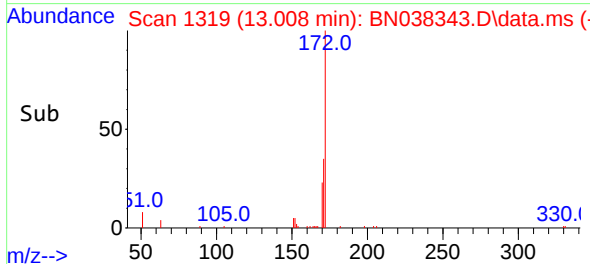
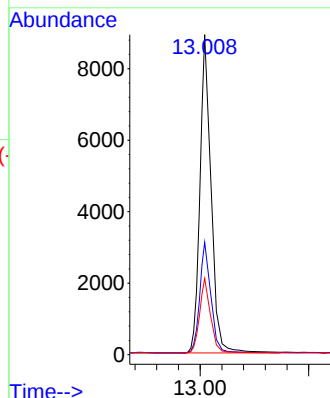
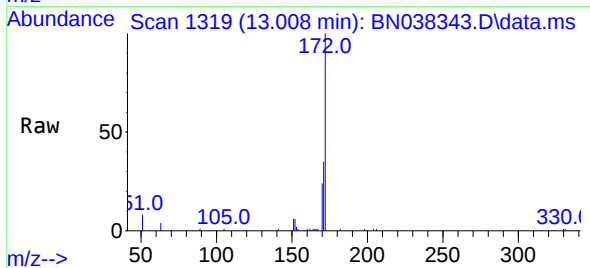




#15  
2-Fluorobiphenyl  
Concen: 0.401 ng  
RT: 13.008 min Scan# 1319  
Delta R.T. -0.000 min  
Lab File: BN038343.D  
Acq: 12 Dec 2025 09:24

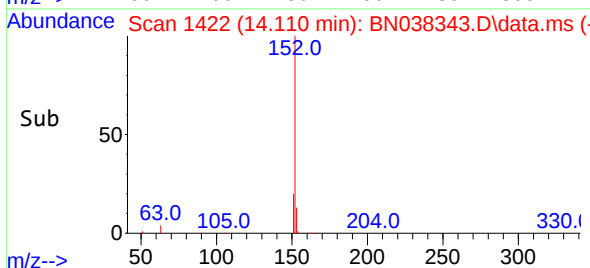
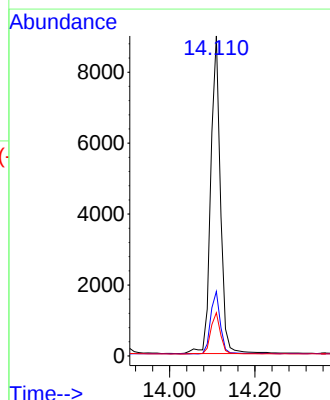
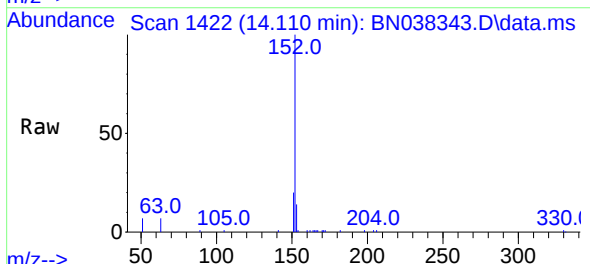
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4

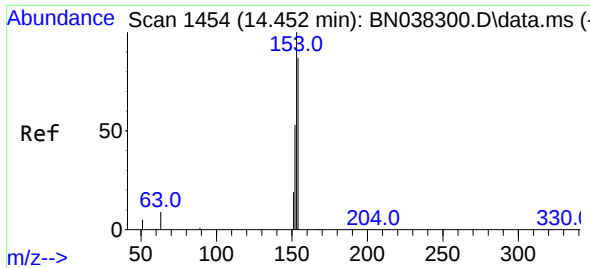
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.2  | 28.6  | 42.8  |
| 170     | 23.8  | 19.3  | 28.9  |



#16  
Acenaphthylene  
Concen: 0.378 ng  
RT: 14.110 min Scan# 1422  
Delta R.T. -0.000 min  
Lab File: BN038343.D  
Acq: 12 Dec 2025 09:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 19.7  | 15.4  | 23.2  |
| 153     | 13.2  | 10.2  | 15.4  |

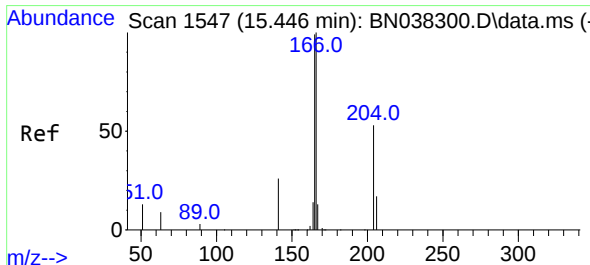
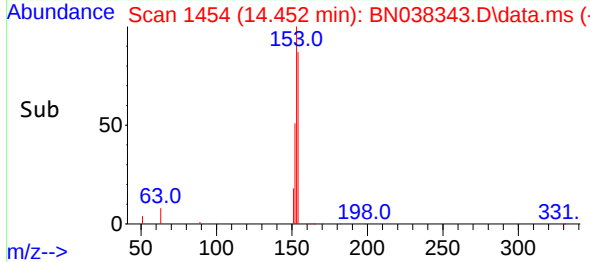
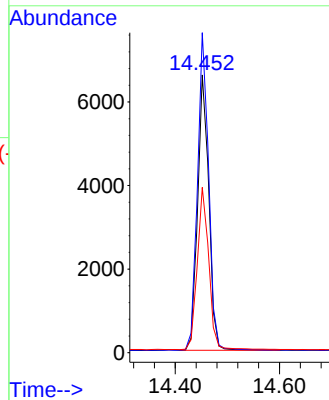
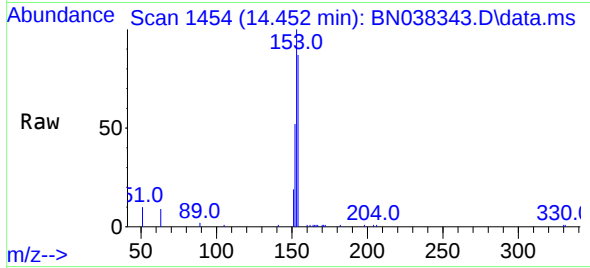




#17  
Acenaphthene  
Concen: 0.379 ng  
RT: 14.452 min Scan# 1454  
Delta R.T. -0.011 min  
Lab File: BN038343.D  
Acq: 12 Dec 2025 09:24

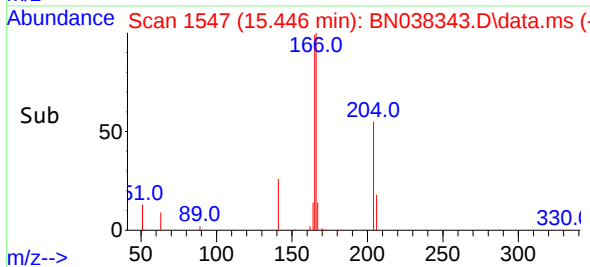
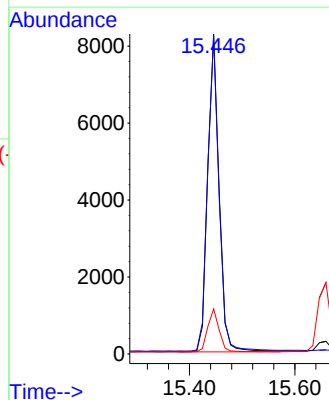
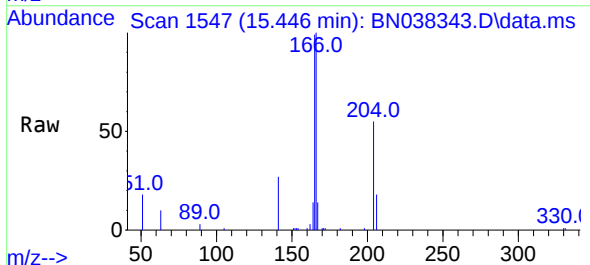
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4

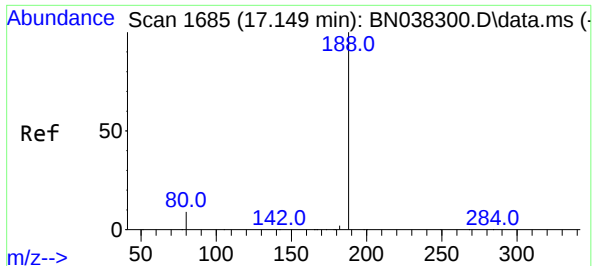
Tgt Ion:154 Resp: 9849  
Ion Ratio Lower Upper  
154 100  
153 115.5 89.8 134.8  
152 61.0 47.5 71.3



#18  
Fluorene  
Concen: 0.386 ng  
RT: 15.446 min Scan# 1547  
Delta R.T. -0.000 min  
Lab File: BN038343.D  
Acq: 12 Dec 2025 09:24

Tgt Ion:166 Resp: 12900  
Ion Ratio Lower Upper  
166 100  
165 100.1 80.2 120.4  
167 13.7 10.6 16.0





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.148 min Scan# 1

Delta R.T. -0.000 min

Lab File: BN038343.D

Acq: 12 Dec 2025 09:24

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4

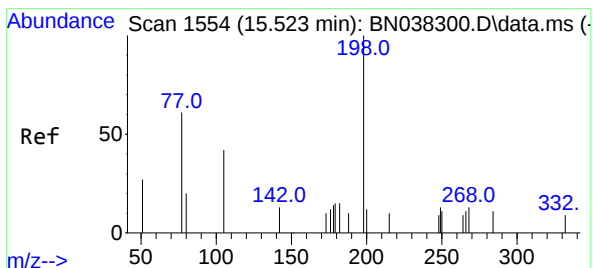
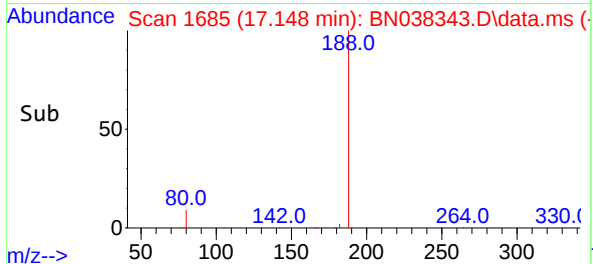
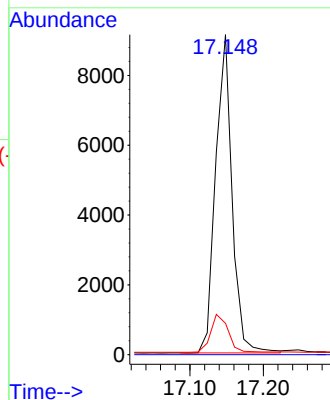
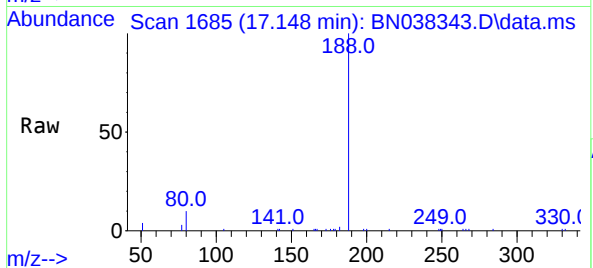
Tgt Ion:188 Resp: 14177

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 9.8 7.4 11.0



#20

4,6-Dinitro-2-methylphenol

Concen: 0.078 ng

RT: 15.522 min Scan# 1554

Delta R.T. 0.000 min

Lab File: BN038343.D

Acq: 12 Dec 2025 09:24

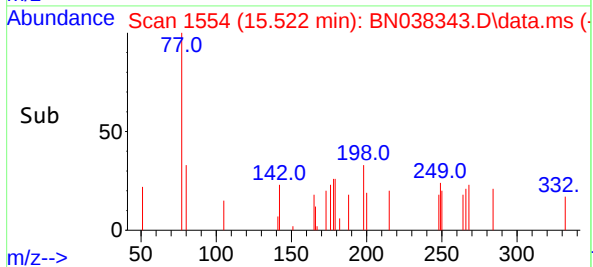
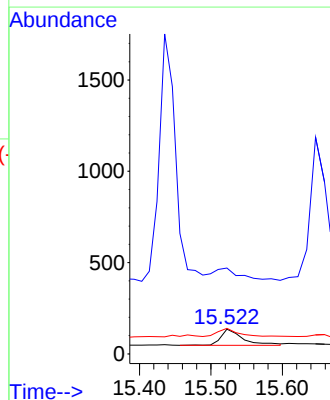
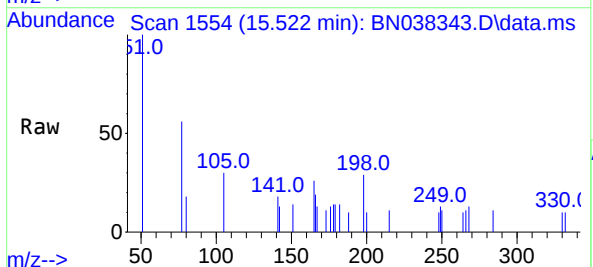
Tgt Ion:198 Resp: 182

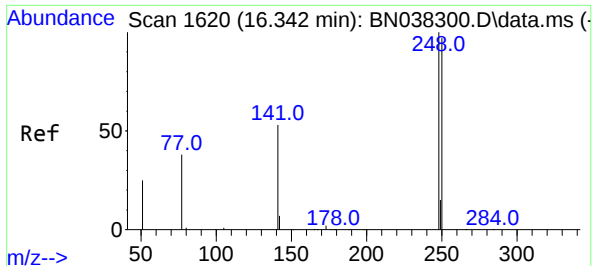
Ion Ratio Lower Upper

198 100

51 348.1 86.3 129.5#

105 103.7 45.3 67.9#

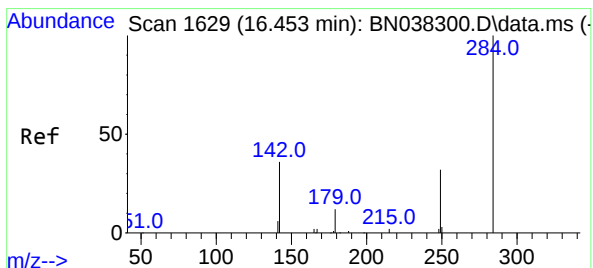
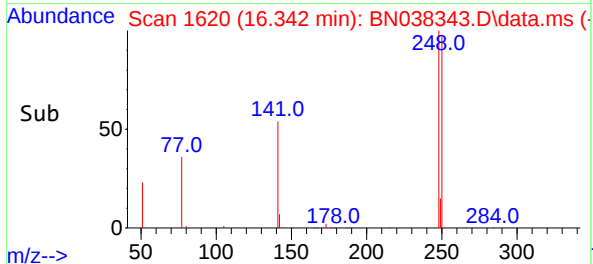
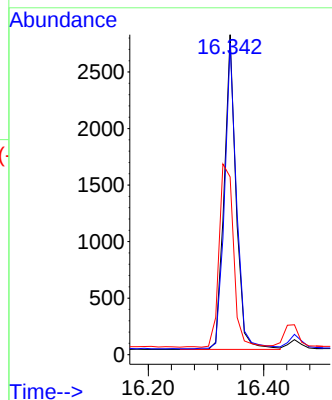
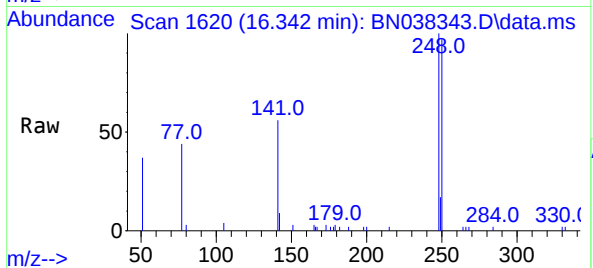




#21  
4-Bromophenyl-phenylether  
Concen: 0.381 ng  
RT: 16.342 min Scan# 1620  
Delta R.T. -0.000 min  
Lab File: BN038343.D  
Acq: 12 Dec 2025 09:24

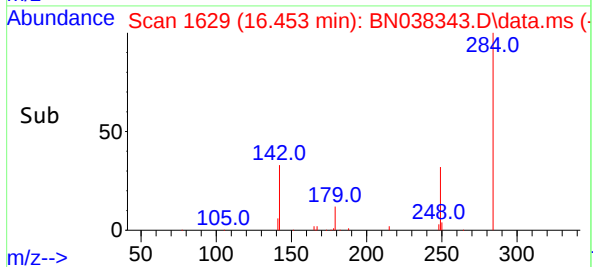
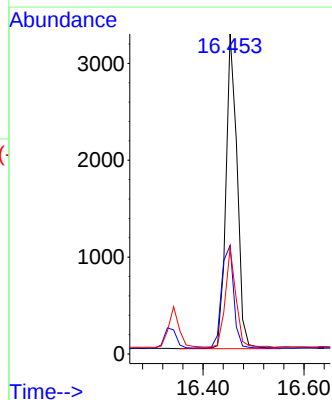
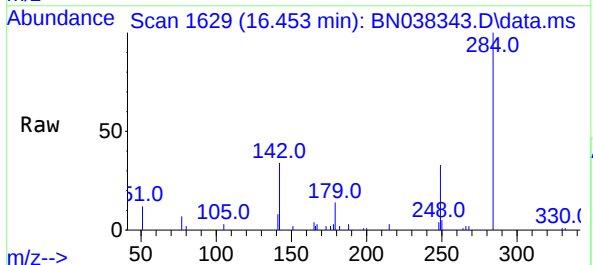
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4

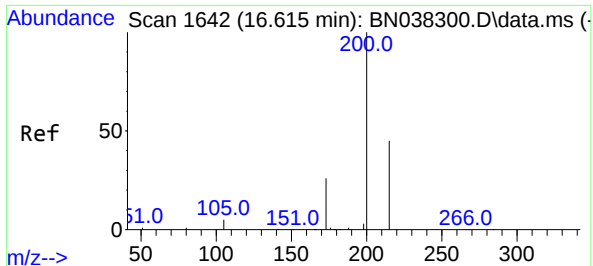
Tgt Ion:248 Resp: 4006  
Ion Ratio Lower Upper  
248 100  
250 97.3 78.2 117.2  
141 55.5 43.7 65.5



#22  
Hexachlorobenzene  
Concen: 0.395 ng  
RT: 16.453 min Scan# 1629  
Delta R.T. -0.012 min  
Lab File: BN038343.D  
Acq: 12 Dec 2025 09:24

Tgt Ion:284 Resp: 4990  
Ion Ratio Lower Upper  
284 100  
142 35.4 29.5 44.3  
249 30.1 23.7 35.5

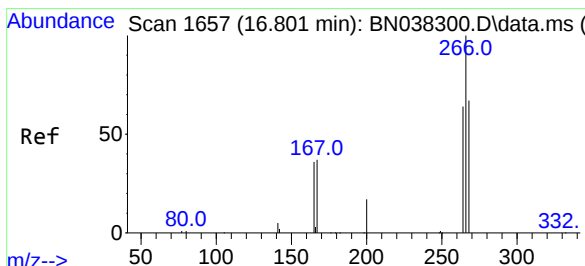
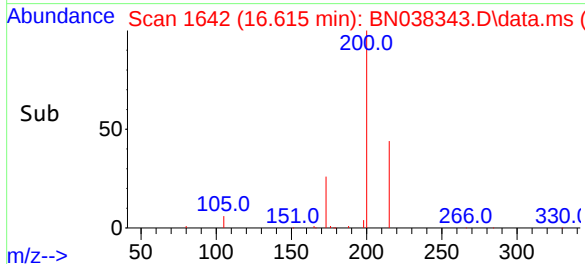
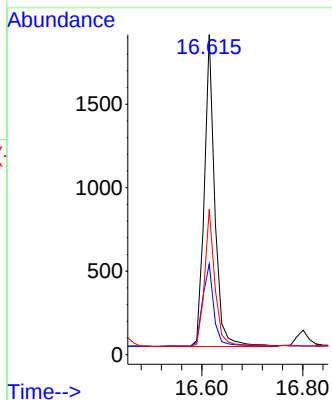
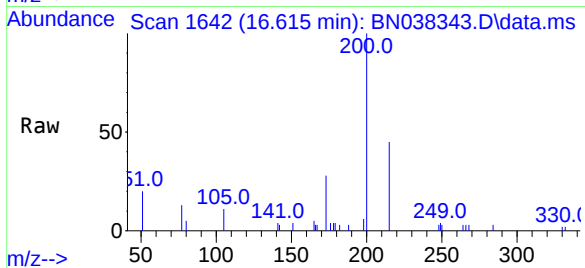




#23  
Atrazine  
Concen: 0.377 ng  
RT: 16.615 min Scan# 1642  
Delta R.T. -0.000 min  
Lab File: BN038343.D  
Acq: 12 Dec 2025 09:24

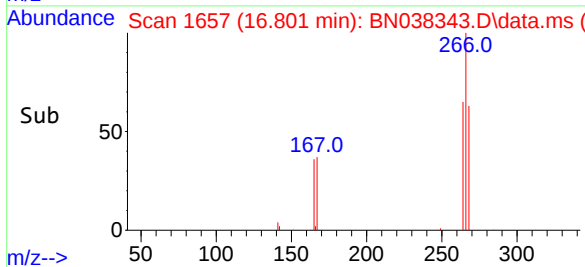
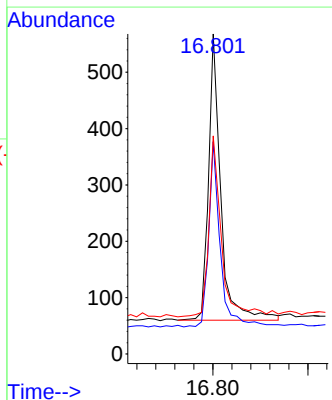
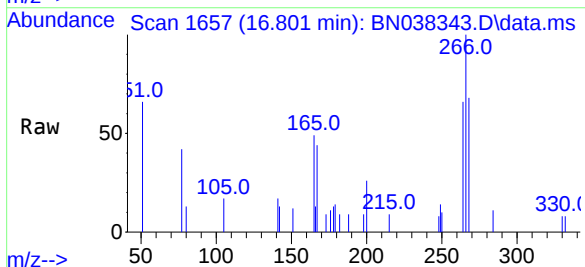
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4

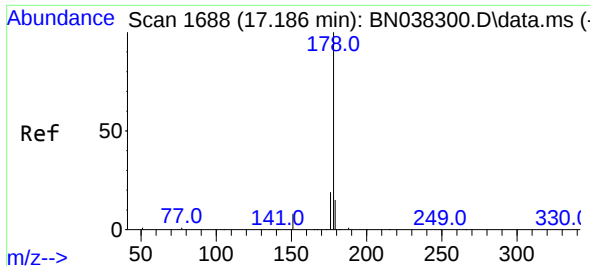
Tgt Ion:200 Resp: 2706  
Ion Ratio Lower Upper  
200 100  
173 28.3 22.1 33.1  
215 45.4 37.4 56.2



#24  
Pentachlorophenol  
Concen: 0.185 ng  
RT: 16.801 min Scan# 1657  
Delta R.T. -0.000 min  
Lab File: BN038343.D  
Acq: 12 Dec 2025 09:24

Tgt Ion:266 Resp: 912  
Ion Ratio Lower Upper  
266 100  
264 61.6 50.2 75.2  
268 64.5 52.6 78.8

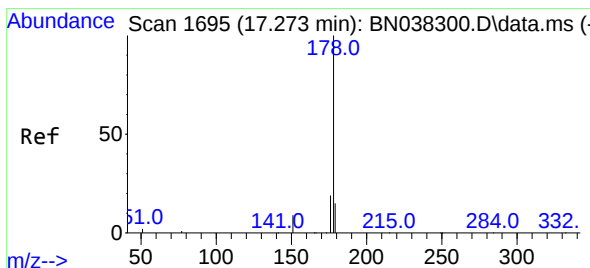
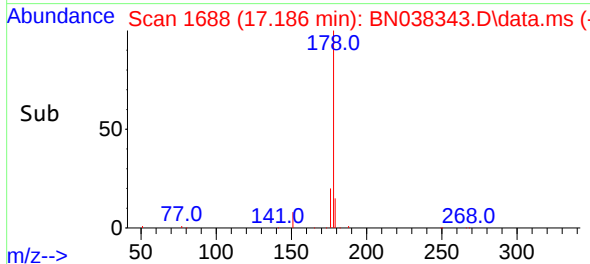
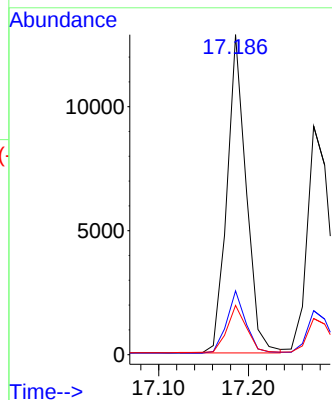
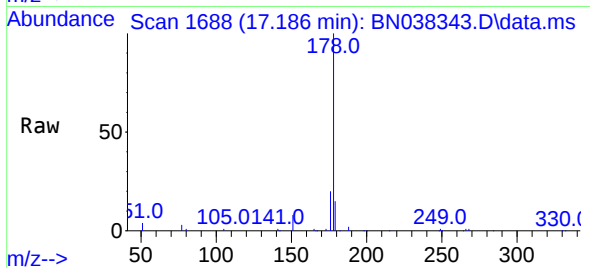




#25  
Phenanthrene  
Concen: 0.387 ng  
RT: 17.186 min Scan# 1688  
Delta R.T. -0.000 min  
Lab File: BN038343.D  
Acq: 12 Dec 2025 09:24

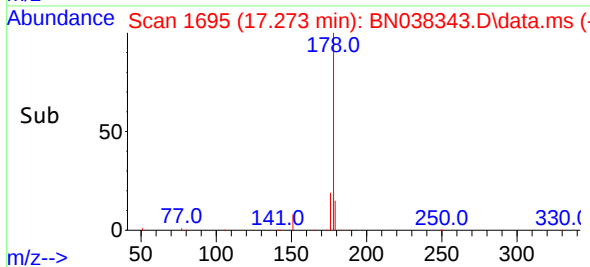
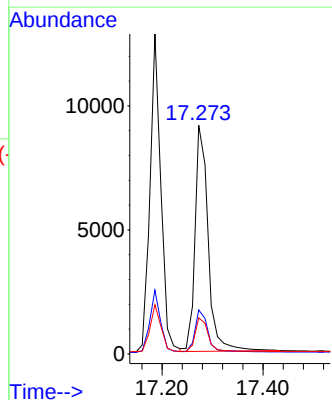
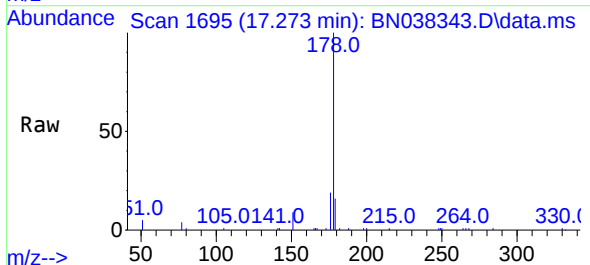
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4

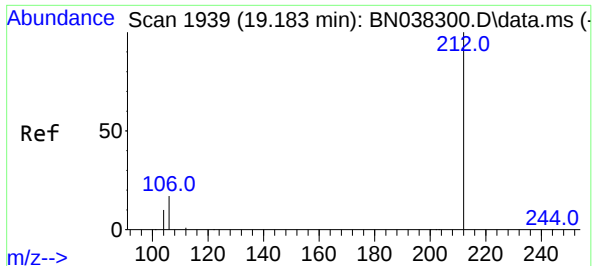
Tgt Ion:178 Resp: 19077  
Ion Ratio Lower Upper  
178 100  
176 19.3 15.5 23.3  
179 15.2 12.2 18.2



#26  
Anthracene  
Concen: 0.387 ng  
RT: 17.273 min Scan# 1695  
Delta R.T. -0.012 min  
Lab File: BN038343.D  
Acq: 12 Dec 2025 09:24

Tgt Ion:178 Resp: 16452  
Ion Ratio Lower Upper  
178 100  
176 18.4 15.1 22.7  
179 15.3 12.0 18.0

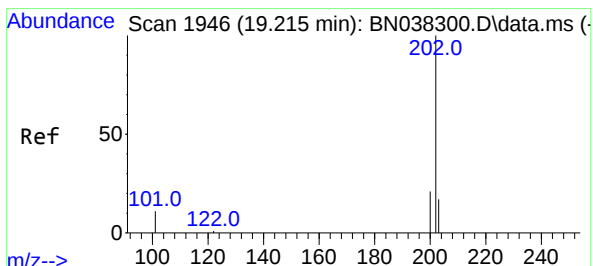
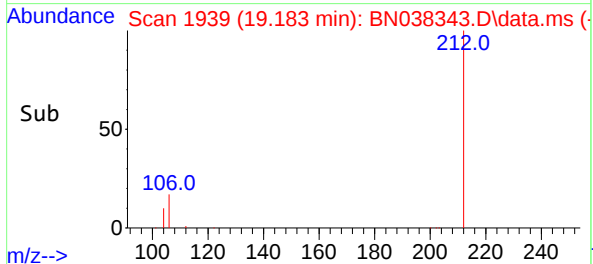
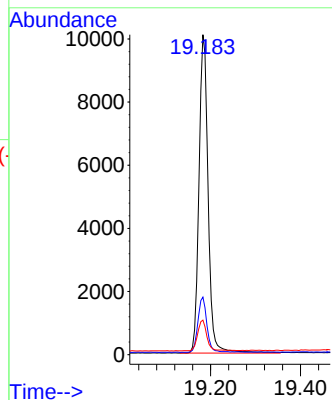
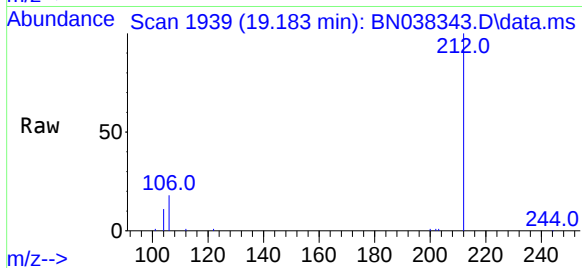




#27  
Fluoranthene-d10  
Concen: 0.407 ng  
RT: 19.183 min Scan# 1939  
Delta R.T. -0.005 min  
Lab File: BN038343.D  
Acq: 12 Dec 2025 09:24

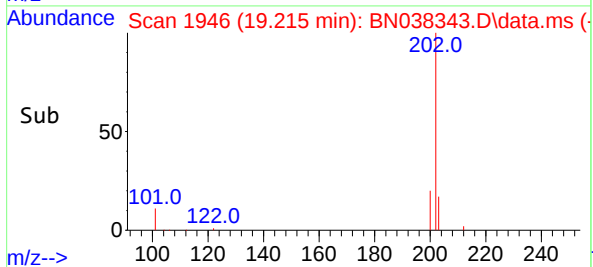
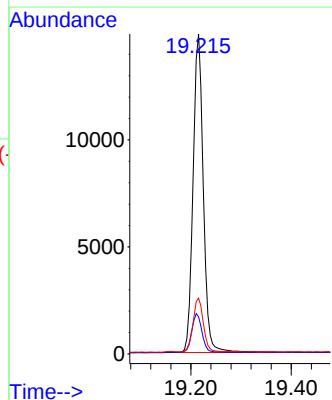
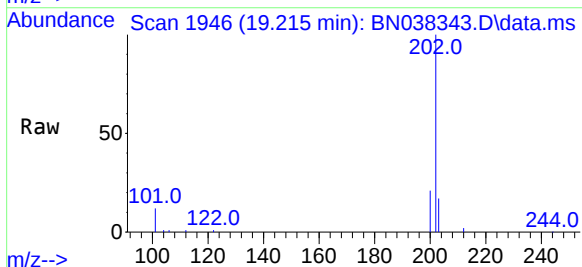
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4

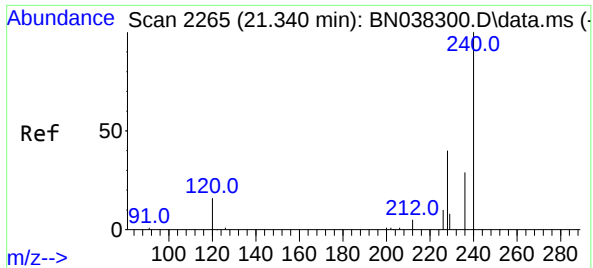
Tgt Ion:212 Resp: 14274  
Ion Ratio Lower Upper  
212 100  
106 17.2 13.7 20.5  
104 9.8 7.8 11.8



#28  
Fluoranthene  
Concen: 0.402 ng  
RT: 19.215 min Scan# 1946  
Delta R.T. -0.005 min  
Lab File: BN038343.D  
Acq: 12 Dec 2025 09:24

Tgt Ion:202 Resp: 21105  
Ion Ratio Lower Upper  
202 100  
101 12.3 9.6 14.4  
203 16.8 13.5 20.3

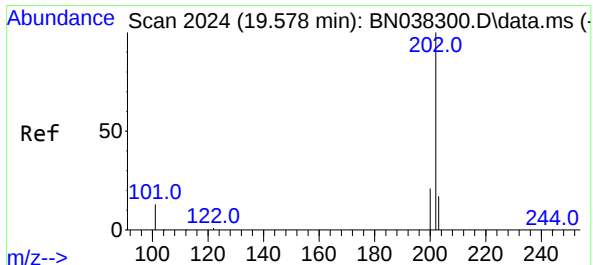
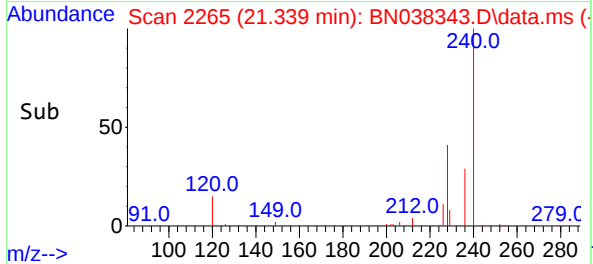
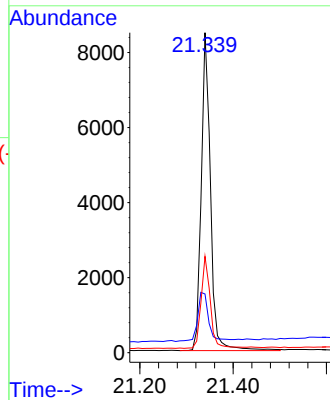
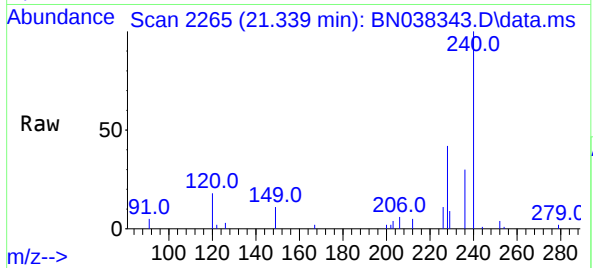




#29  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.339 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: BN038343.D  
Acq: 12 Dec 2025 09:24

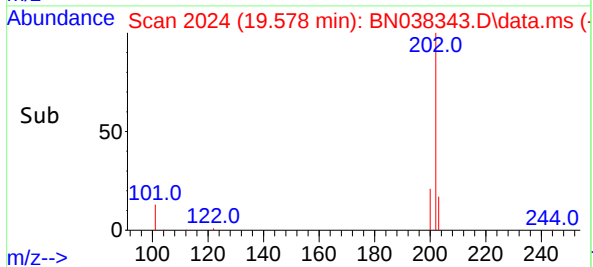
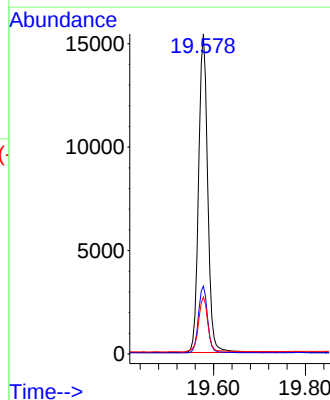
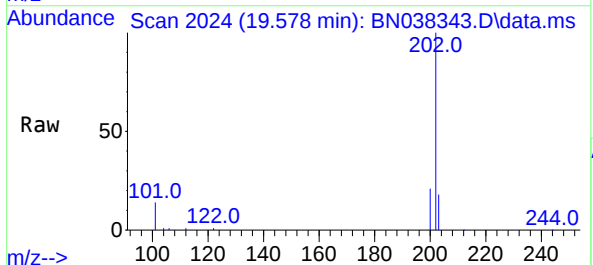
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4

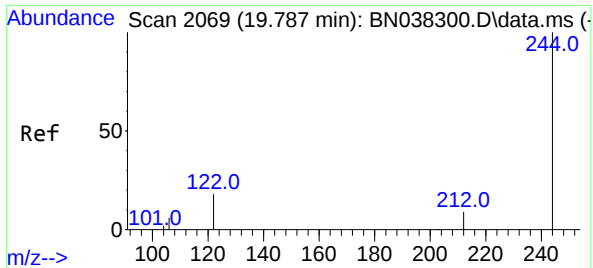
Tgt Ion:240 Resp: 11670  
Ion Ratio Lower Upper  
240 100  
120 18.3 15.4 23.2  
236 30.1 23.9 35.9



#30  
Pyrene  
Concen: 0.370 ng  
RT: 19.578 min Scan# 2024  
Delta R.T. -0.005 min  
Lab File: BN038343.D  
Acq: 12 Dec 2025 09:24

Tgt Ion:202 Resp: 21243  
Ion Ratio Lower Upper  
202 100  
200 21.0 16.9 25.3  
203 17.7 14.2 21.2

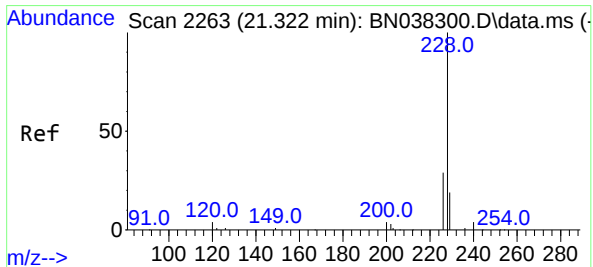
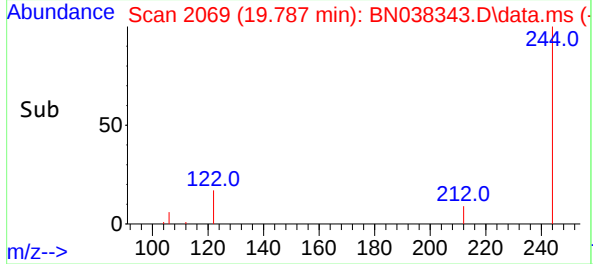
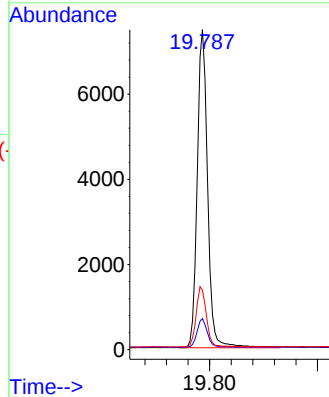
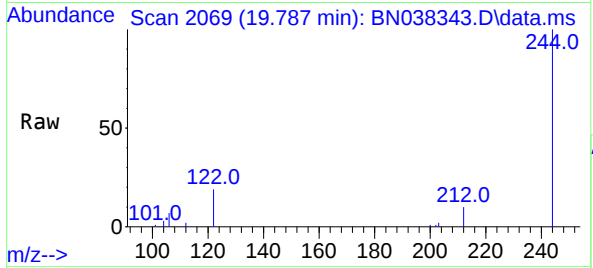




#31  
Terphenyl-d14  
Concen: 0.382 ng  
RT: 19.787 min Scan# 2069  
Delta R.T. -0.005 min  
Lab File: BN038343.D  
Acq: 12 Dec 2025 09:24

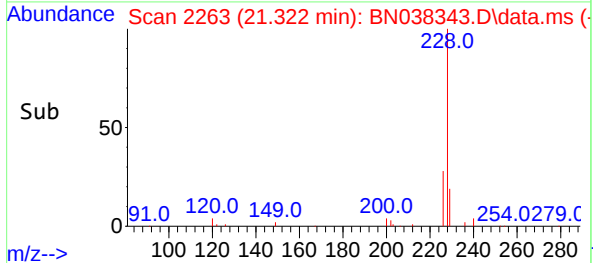
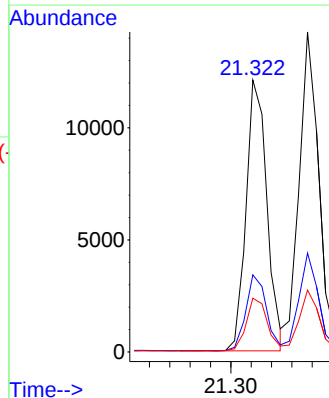
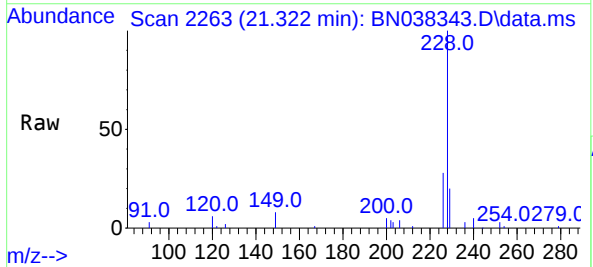
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4

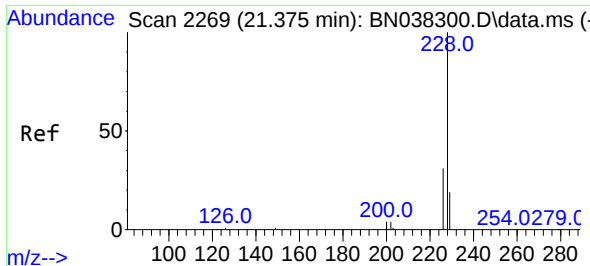
Tgt Ion:244 Resp: 9959  
Ion Ratio Lower Upper  
244 100  
212 9.7 7.9 11.9  
122 18.6 15.0 22.6



#32  
Benzo(a)anthracene  
Concen: 0.381 ng  
RT: 21.322 min Scan# 2263  
Delta R.T. -0.009 min  
Lab File: BN038343.D  
Acq: 12 Dec 2025 09:24

Tgt Ion:228 Resp: 17188  
Ion Ratio Lower Upper  
228 100  
226 28.4 23.3 34.9  
229 19.7 15.7 23.5

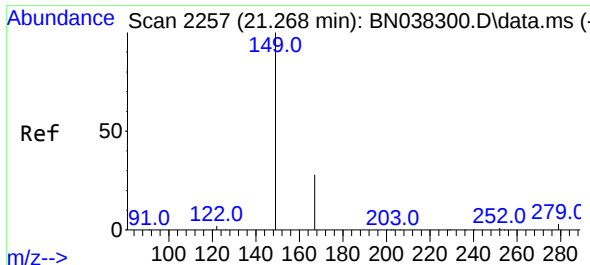
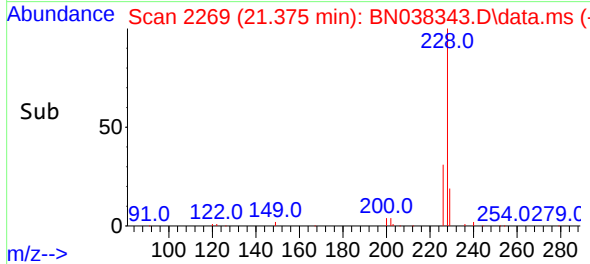
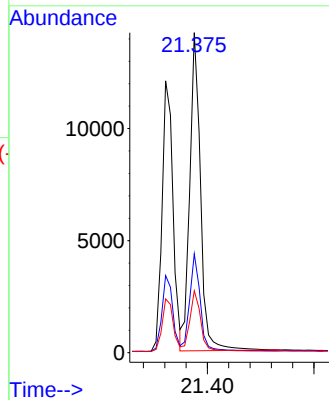
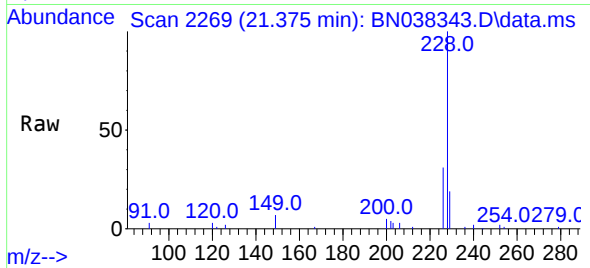




#33  
Chrysene  
Concen: 0.401 ng  
RT: 21.375 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: BN038343.D  
Acq: 12 Dec 2025 09:24

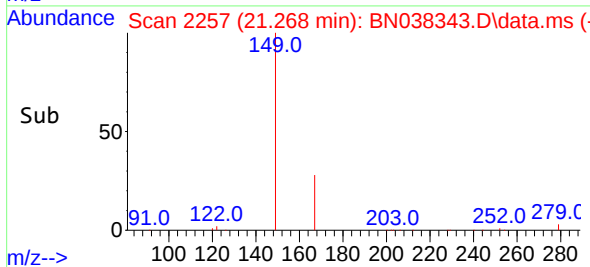
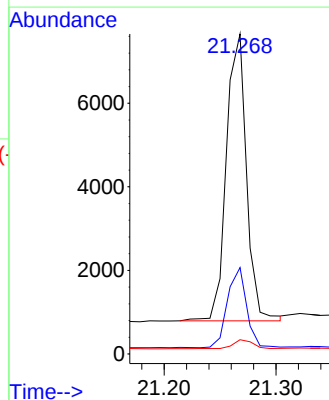
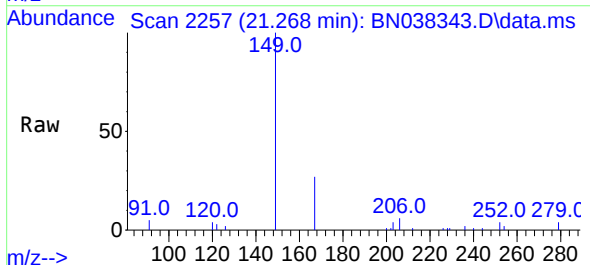
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4

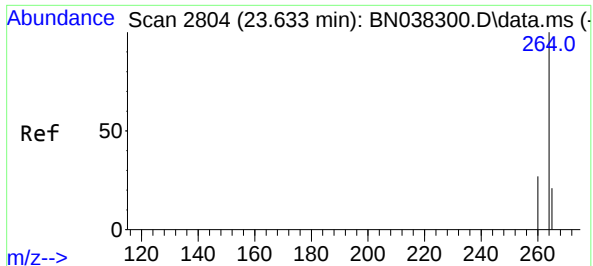
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:228 | Resp: | 19898     |
| Ion Ratio   | Lower | Upper     |
| 228         | 100   |           |
| 226         | 30.9  | 25.0 37.4 |
| 229         | 19.3  | 15.5 23.3 |



#34  
Bis(2-ethylhexyl)phthalate  
Concen: 0.348 ng  
RT: 21.268 min Scan# 2257  
Delta R.T. -0.000 min  
Lab File: BN038343.D  
Acq: 12 Dec 2025 09:24

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:149 | Resp: | 8597      |
| Ion Ratio   | Lower | Upper     |
| 149         | 100   |           |
| 167         | 26.5  | 21.4 32.0 |
| 279         | 3.2   | 2.4 3.6   |

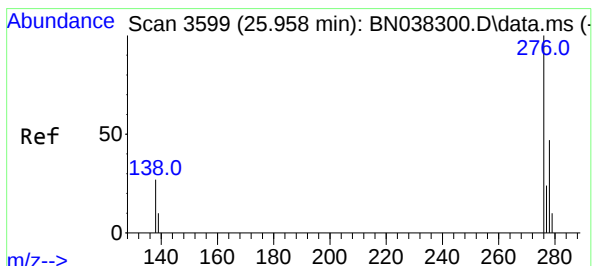
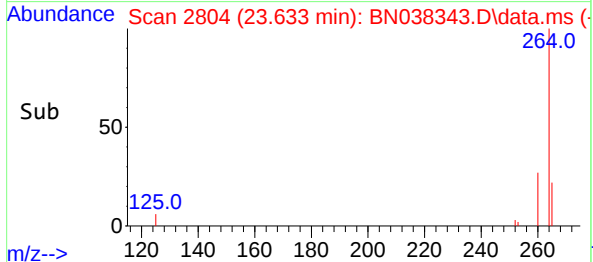
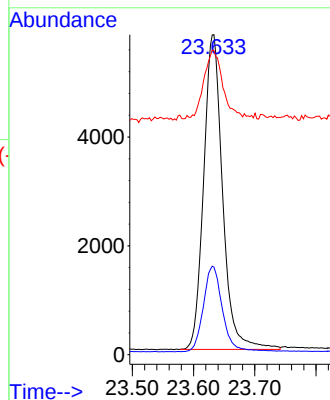
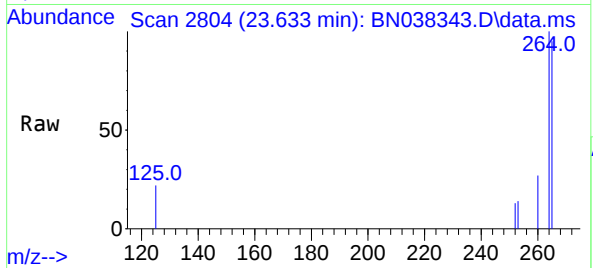




#35  
Perylene-d12  
Concen: 0.400 ng  
RT: 23.633 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: BN038343.D  
Acq: 12 Dec 2025 09:24

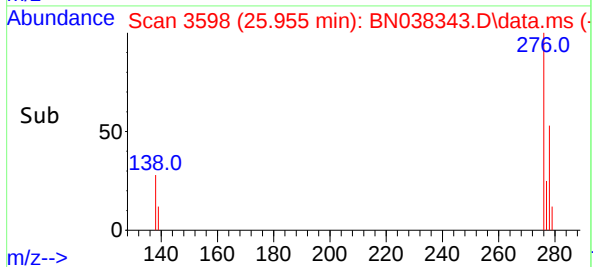
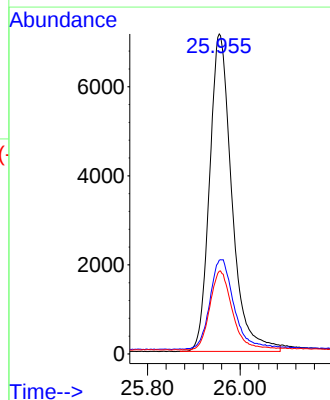
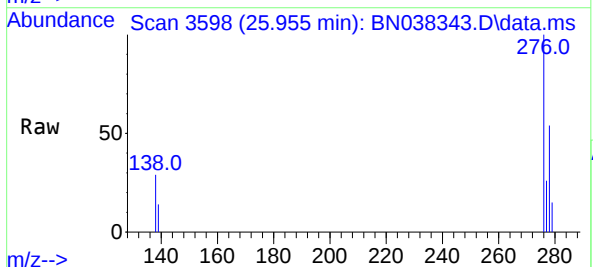
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4

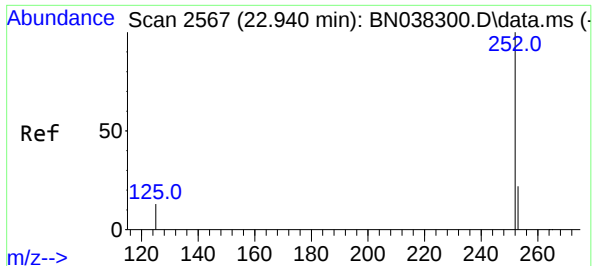
Tgt Ion:264 Resp: 12444  
Ion Ratio Lower Upper  
264 100  
260 27.4 22.2 33.2  
265 95.0 80.2 120.2



#36  
Indeno(1,2,3-cd)pyrene  
Concen: 0.360 ng  
RT: 25.955 min Scan# 3598  
Delta R.T. -0.009 min  
Lab File: BN038343.D  
Acq: 12 Dec 2025 09:24

Tgt Ion:276 Resp: 23803  
Ion Ratio Lower Upper  
276 100  
138 30.5 23.6 35.4  
277 25.2 19.7 29.5





#37

Benzo(b)fluoranthene

Concen: 0.359 ng

RT: 22.937 min Scan# 2566

Delta R.T. -0.009 min

Lab File: BN038343.D

Acq: 12 Dec 2025 09:24

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4

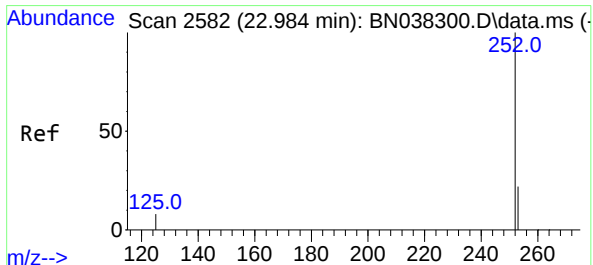
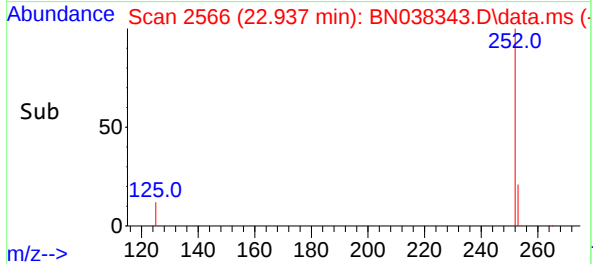
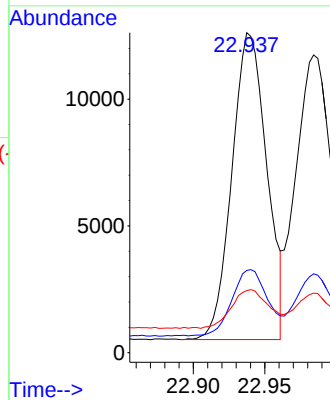
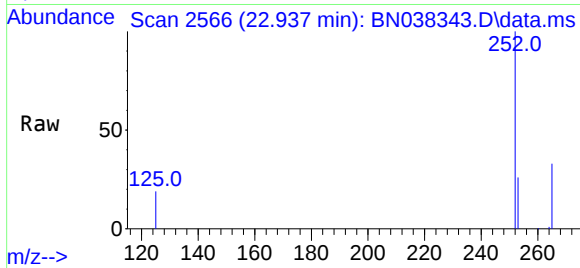
Tgt Ion:252 Resp: 20494

Ion Ratio Lower Upper

252 100

253 25.7 21.1 31.7

125 19.4 16.4 24.6



#38

Benzo(k)fluoranthene

Concen: 0.352 ng

RT: 22.984 min Scan# 2582

Delta R.T. -0.006 min

Lab File: BN038343.D

Acq: 12 Dec 2025 09:24

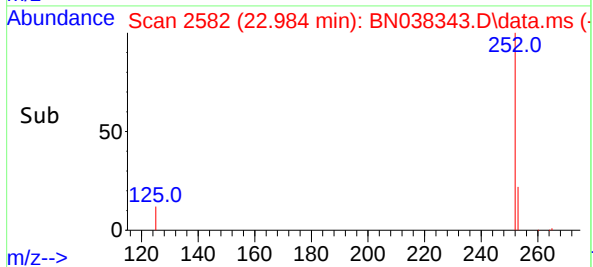
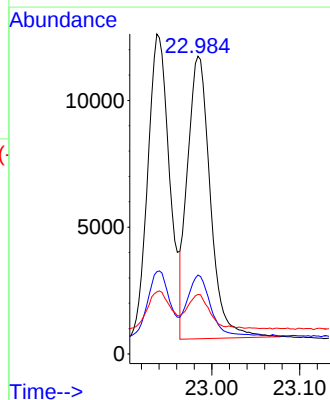
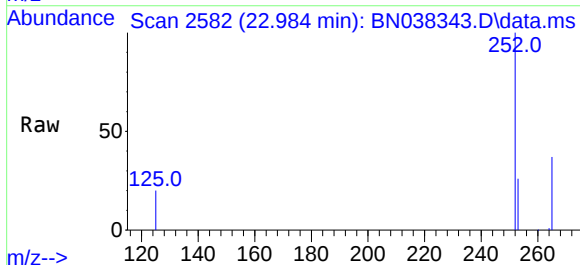
Tgt Ion:252 Resp: 20086

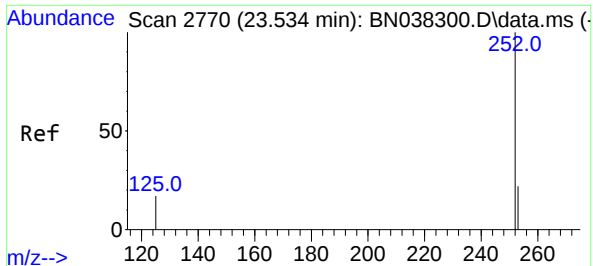
Ion Ratio Lower Upper

252 100

253 26.5 21.4 32.0

125 20.0 16.2 24.2





#39

Benzo(a)pyrene

Concen: 0.358 ng

RT: 23.531 min Scan# 21

Delta R.T. -0.003 min

Lab File: BN038343.D

Acq: 12 Dec 2025 09:24

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4

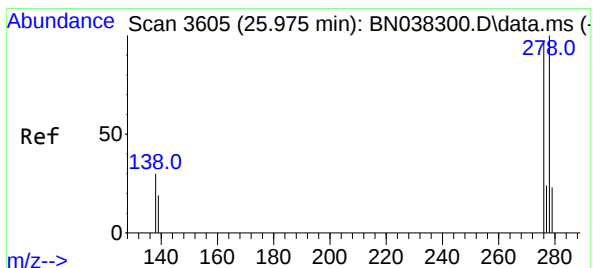
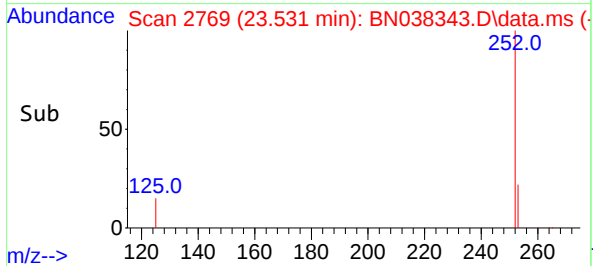
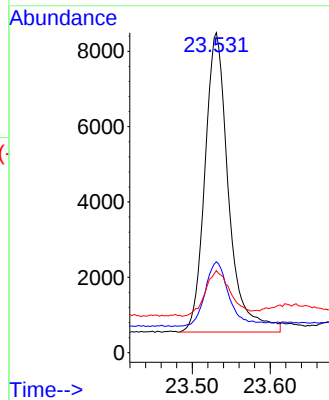
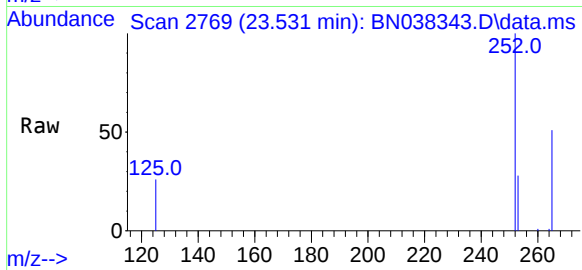
Tgt Ion:252 Resp: 16745

Ion Ratio Lower Upper

252 100

253 28.4 23.3 34.9

125 25.6 22.4 33.6



#40

Dibenzo(a,h)anthracene

Concen: 0.364 ng

RT: 25.972 min Scan# 3604

Delta R.T. -0.009 min

Lab File: BN038343.D

Acq: 12 Dec 2025 09:24

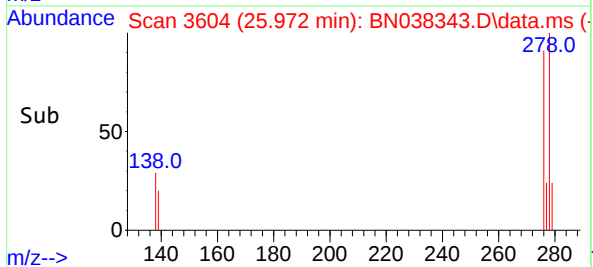
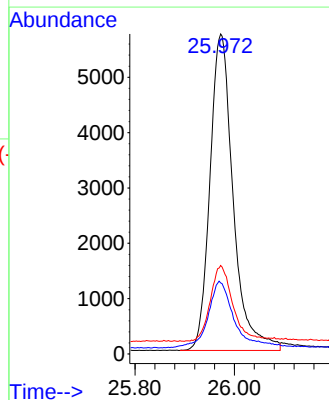
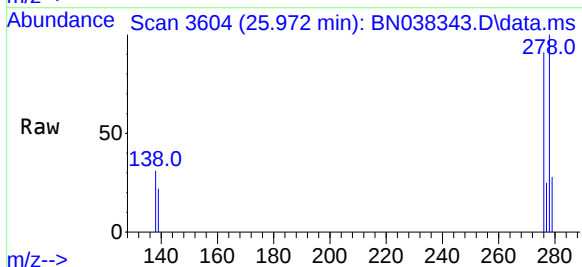
Tgt Ion:278 Resp: 18552

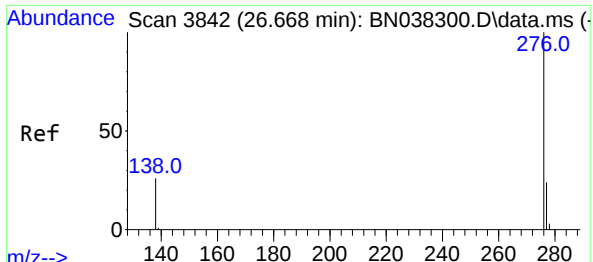
Ion Ratio Lower Upper

278 100

139 22.2 17.8 26.8

279 27.7 21.3 31.9

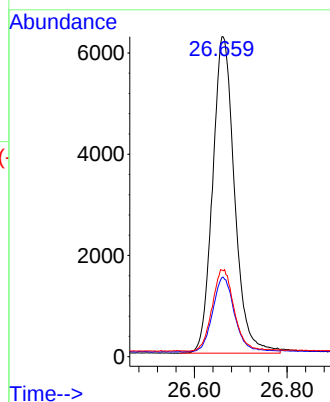




#41  
Benzo(g,h,i)perylene  
Concen: 0.362 ng  
RT: 26.659 min Scan# 3839  
Delta R.T. -0.018 min  
Lab File: BN038343.D  
Acq: 12 Dec 2025 09:24

Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 276   | Resp: | 20585 |
| Ion      | Ratio | Lower | Upper |
| 276      | 100   |       |       |
| 277      | 24.8  | 20.0  | 30.0  |
| 138      | 27.0  | 21.8  | 32.6  |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN121225\  
 Data File : BN038343.D  
 Acq On : 12 Dec 2025 09:24  
 Operator : RC/JU  
 Sample : SSTDCCC0.4  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 LabSampleId :  
 SSTDCCC0.4

Quant Time: Dec 12 09:59:58 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN121025.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 10 13:56:50 2025  
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 25% Max. Rel. Area : 150%

|         | Compound                   | AvgRF | CCRF  | %Dev  | Area% | Dev(min) |
|---------|----------------------------|-------|-------|-------|-------|----------|
| 1 I     | 1,4-Dichlorobenzene-d4     | 1.000 | 1.000 | 0.0   | 84    | 0.00     |
| 2       | 1,4-Dioxane                | 0.459 | 0.488 | -6.3  | 88    | 0.00     |
| 3       | n-Nitrosodimethylamine     | 0.575 | 0.531 | 7.7   | 77    | 0.00     |
| 4 S     | 2-Fluorophenol             | 0.996 | 0.966 | 3.0   | 82    | 0.00     |
| 5 S     | Phenol-d6                  | 1.184 | 1.162 | 1.9   | 84    | 0.00     |
| 6       | bis(2-Chloroethyl)ether    | 1.158 | 1.176 | -1.6  | 84    | 0.00     |
| 7 I     | Naphthalene-d8             | 1.000 | 1.000 | 0.0   | 87    | -0.01    |
| 8 S     | Nitrobenzene-d5            | 0.337 | 0.317 | 5.9   | 84    | 0.00     |
| 9       | Naphthalene                | 1.182 | 1.157 | 2.1   | 86    | 0.00     |
| 10      | Hexachlorobutadiene        | 0.210 | 0.205 | 2.4   | 85    | 0.00     |
| 11 SURR | 2-Methylnaphthalene-d10    | 0.564 | 0.557 | 1.2   | 88    | 0.00     |
| 12      | 2-Methylnaphthalene        | 0.751 | 0.739 | 1.6   | 88    | 0.00     |
| 13 I    | Acenaphthene-d10           | 1.000 | 1.000 | 0.0   | 93    | -0.01    |
| 14 S    | 2,4,6-Tribromophenol       | 0.177 | 0.159 | 10.2  | 88    | 0.00     |
| 15 S    | 2-Fluorobiphenyl           | 1.927 | 1.930 | -0.2  | 91    | 0.00     |
| 16      | Acenaphthylene             | 1.964 | 1.858 | 5.4   | 91    | 0.00     |
| 17      | Acenaphthene               | 1.369 | 1.297 | 5.3   | 90    | -0.01    |
| 18      | Fluorene                   | 1.761 | 1.698 | 3.6   | 92    | 0.00     |
| 19 I    | Phenanthrene-d10           | 1.000 | 1.000 | 0.0   | 96    | 0.00     |
| 20      | 4,6-Dinitro-2-methylphenol | 0.066 | 0.013 | 80.3# | 22#   | 0.00     |
| 21      | 4-Bromophenyl-phenylether  | 0.297 | 0.283 | 4.7   | 94    | 0.00     |
| 22      | Hexachlorobenzene          | 0.357 | 0.352 | 1.4   | 96    | -0.01    |
| 23      | Atrazine                   | 0.202 | 0.191 | 5.4   | 96    | 0.00     |
| 24      | Pentachlorophenol          | 0.139 | 0.064 | 54.0# | 51    | 0.00     |
| 25      | Phenanthrene               | 1.392 | 1.346 | 3.3   | 94    | 0.00     |
| 26      | Anthracene                 | 1.200 | 1.160 | 3.3   | 97    | -0.01    |
| 27 SURR | Fluoranthene-d10           | 0.989 | 1.007 | -1.8  | 98    | 0.00     |
| 28      | Fluoranthene               | 1.480 | 1.489 | -0.6  | 98    | 0.00     |
| 29 I    | Chrysene-d12               | 1.000 | 1.000 | 0.0   | 101   | 0.00     |
| 30      | Pyrene                     | 1.969 | 1.820 | 7.6   | 96    | 0.00     |
| 31 S    | Terphenyl-d14              | 0.893 | 0.853 | 4.5   | 98    | 0.00     |
| 32      | Benzo(a)anthracene         | 1.545 | 1.473 | 4.7   | 101   | 0.00     |
| 33      | Chrysene                   | 1.701 | 1.705 | -0.2  | 100   | 0.00     |
| 34      | Bis(2-ethylhexyl)phthalate | 0.848 | 0.737 | 13.1  | 88    | 0.00     |
| 35 I    | Perylene-d12               | 1.000 | 1.000 | 0.0   | 108   | 0.00     |
| 36      | Indeno(1,2,3-cd)pyrene     | 2.123 | 1.913 | 9.9   | 97    | 0.00     |
| 37      | Benzo(b)fluoranthene       | 1.837 | 1.647 | 10.3  | 100   | 0.00     |
| 38      | Benzo(k)fluoranthene       | 1.832 | 1.614 | 11.9  | 97    | 0.00     |
| 39 C    | Benzo(a)pyrene             | 1.503 | 1.346 | 10.4  | 99    | 0.00     |
| 40      | Dibenzo(a,h)anthracene     | 1.637 | 1.491 | 8.9   | 99    | 0.00     |
| 41      | Benzo(g,h,i)perylene       | 1.829 | 1.654 | 9.6   | 99    | -0.02    |

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

**Instrument :**

BNA\_N

**LabSampleId :**

SSTDCCC0.4

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN121225\  
 Data File : BN038343.D  
 Acq On : 12 Dec 2025 09:24  
 Operator : RC/JU  
 Sample : SSTDCCC0.4  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 LabSampleId :  
 SSTDCCC0.4

Quant Time: Dec 12 09:59:58 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN121025.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 10 13:56:50 2025  
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 25% Max. Rel. Area : 150%

|         | Compound                   | Amount | Calc. | %Dev  | Area% | Dev(min) |
|---------|----------------------------|--------|-------|-------|-------|----------|
| 1 I     | 1,4-Dichlorobenzene-d4     | 0.400  | 0.400 | 0.0   | 84    | 0.00     |
| 2       | 1,4-Dioxane                | 0.400  | 0.426 | -6.5  | 88    | 0.00     |
| 3       | n-Nitrosodimethylamine     | 0.400  | 0.369 | 7.8   | 77    | 0.00     |
| 4 S     | 2-Fluorophenol             | 0.400  | 0.388 | 3.0   | 82    | 0.00     |
| 5 S     | Phenol-d6                  | 0.400  | 0.392 | 2.0   | 84    | 0.00     |
| 6       | bis(2-Chloroethyl)ether    | 0.400  | 0.406 | -1.5  | 84    | 0.00     |
| 7 I     | Naphthalene-d8             | 0.400  | 0.400 | 0.0   | 87    | -0.01    |
| 8 S     | Nitrobenzene-d5            | 0.400  | 0.376 | 6.0   | 84    | 0.00     |
| 9       | Naphthalene                | 0.400  | 0.391 | 2.3   | 86    | 0.00     |
| 10      | Hexachlorobutadiene        | 0.400  | 0.389 | 2.8   | 85    | 0.00     |
| 11 SURR | 2-Methylnaphthalene-d10    | 0.400  | 0.395 | 1.3   | 88    | 0.00     |
| 12      | 2-Methylnaphthalene        | 0.400  | 0.394 | 1.5   | 88    | 0.00     |
| 13 I    | Acenaphthene-d10           | 0.400  | 0.400 | 0.0   | 93    | -0.01    |
| 14 S    | 2,4,6-Tribromophenol       | 0.400  | 0.359 | 10.3  | 88    | 0.00     |
| 15 S    | 2-Fluorobiphenyl           | 0.400  | 0.401 | -0.3  | 91    | 0.00     |
| 16      | Acenaphthylene             | 0.400  | 0.378 | 5.5   | 91    | 0.00     |
| 17      | Acenaphthene               | 0.400  | 0.379 | 5.3   | 90    | -0.01    |
| 18      | Fluorene                   | 0.400  | 0.386 | 3.5   | 92    | 0.00     |
| 19 I    | Phenanthrene-d10           | 0.400  | 0.400 | 0.0   | 96    | 0.00     |
| 20      | 4,6-Dinitro-2-methylphenol | 0.400  | 0.078 | 80.5# | 22    | 0.00     |
| 21      | 4-Bromophenyl-phenylether  | 0.400  | 0.381 | 4.8   | 94    | 0.00     |
| 22      | Hexachlorobenzene          | 0.400  | 0.395 | 1.3   | 96    | -0.01    |
| 23      | Atrazine                   | 0.400  | 0.377 | 5.8   | 96    | 0.00     |
| 24      | Pentachlorophenol          | 0.400  | 0.185 | 53.8# | 51    | 0.00     |
| 25      | Phenanthrene               | 0.400  | 0.387 | 3.3   | 94    | 0.00     |
| 26      | Anthracene                 | 0.400  | 0.387 | 3.3   | 97    | -0.01    |
| 27 SURR | Fluoranthene-d10           | 0.400  | 0.407 | -1.7  | 98    | 0.00     |
| 28      | Fluoranthene               | 0.400  | 0.402 | -0.5  | 98    | 0.00     |
| 29 I    | Chrysene-d12               | 0.400  | 0.400 | 0.0   | 101   | 0.00     |
| 30      | Pyrene                     | 0.400  | 0.370 | 7.5   | 96    | 0.00     |
| 31 S    | Terphenyl-d14              | 0.400  | 0.382 | 4.5   | 98    | 0.00     |
| 32      | Benzo(a)anthracene         | 0.400  | 0.381 | 4.8   | 101   | 0.00     |
| 33      | Chrysene                   | 0.400  | 0.401 | -0.3  | 100   | 0.00     |
| 34      | Bis(2-ethylhexyl)phthalate | 0.400  | 0.348 | 13.0  | 88    | 0.00     |
| 35 I    | Perylene-d12               | 0.400  | 0.400 | 0.0   | 108   | 0.00     |
| 36      | Indeno(1,2,3-cd)pyrene     | 0.400  | 0.360 | 10.0  | 97    | 0.00     |
| 37      | Benzo(b)fluoranthene       | 0.400  | 0.359 | 10.3  | 100   | 0.00     |
| 38      | Benzo(k)fluoranthene       | 0.400  | 0.352 | 12.0  | 97    | 0.00     |
| 39 C    | Benzo(a)pyrene             | 0.400  | 0.358 | 10.5  | 99    | 0.00     |
| 40      | Dibenzo(a,h)anthracene     | 0.400  | 0.364 | 9.0   | 99    | 0.00     |
| 41      | Benzo(g,h,i)perylene       | 0.400  | 0.362 | 9.5   | 99    | -0.02    |

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

**Instrument :**

BNA\_N

**LabSampleId :**

SSTDCCC0.4



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

7C

## SEMIVOLATILE CONTINUING CALIBRATION CHECK

|                 |                   |                        |                              |
|-----------------|-------------------|------------------------|------------------------------|
| Lab Name:       | <u>Alliance</u>   | Contract:              | <u>JAC005</u>                |
| Lab Code:       | <u>ACE</u>        | SDG No.:               | <u>Q3828</u>                 |
| Instrument ID:  | <u>BNA_N</u>      | Calibration Date/Time: | <u>12/13/2025 11:03</u>      |
| Lab File ID:    | <u>BN038380.D</u> | Init. Calib. Date(s):  | <u>12/10/2025 12/10/2025</u> |
| EPA Sample No.: | <u>SSTDCCC0.4</u> | Init. Calib. Time(s):  | <u>09:52 13:30</u>           |
| GC Column:      | <u>ZB-GR</u>      | ID:                    | <u>0.25</u> (mm)             |

| COMPOUND                | RRF   | RRF0.4 | MIN<br>RRF | %D    | MAX%D |
|-------------------------|-------|--------|------------|-------|-------|
| 2-Methylnaphthalene-d10 | 0.564 | 0.556  |            | -1.4  | 20.0  |
| Fluoranthene-d10        | 0.990 | 0.972  |            | -1.8  | 20.0  |
| 2-Fluorophenol          | 0.996 | 0.925  |            | -7.1  | 20.0  |
| Phenol-d6               | 1.184 | 1.111  |            | -6.2  | 20.0  |
| Nitrobenzene-d5         | 0.337 | 0.328  |            | -2.7  | 20.0  |
| 2-Fluorobiphenyl        | 1.914 | 2.161  |            | 12.9  | 20.0  |
| 2,4,6-Tribromophenol    | 0.177 | 0.149  |            | -15.8 | 20.0  |
| Terphenyl-d14           | 0.893 | 0.865  |            | -3.1  | 20.0  |
| 1,4-Dioxane             | 0.459 | 0.461  |            | 0.4   | 20.0  |

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN121225\  
 Data File : BN038380.D  
 Acq On : 13 Dec 2025 11:03  
 Operator : RC/JU  
 Sample : SSTDCCC0.4  
 Misc :  
 ALS Vial : 38 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTDCCC0.4

Quant Time: Dec 14 22:22:13 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN121025.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 10 13:56:50 2025  
 Response via : Initial Calibration

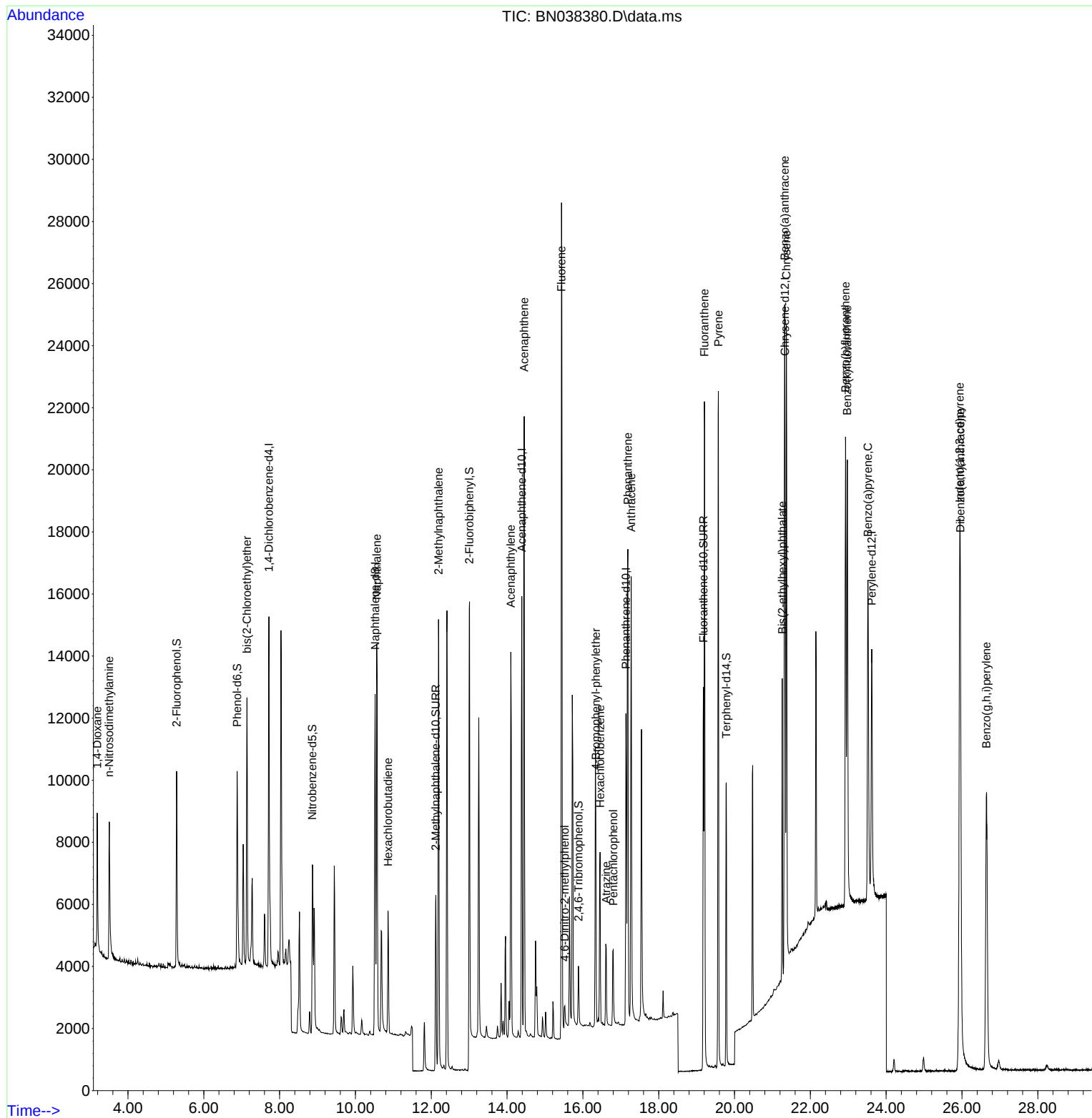
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.717  | 152  | 5610     | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.519 | 136  | 14718    | 0.400 | ng    | #-0.01   |
| 13) Acenaphthene-d10          | 14.387 | 164  | 7660     | 0.400 | ng    | -0.01    |
| 19) Phenanthrene-d10          | 17.136 | 188  | 13635    | 0.400 | ng    | #-0.01   |
| 29) Chrysene-d12              | 21.331 | 240  | 10585    | 0.400 | ng    | # 0.00   |
| 35) Perylene-d12              | 23.619 | 264  | 11030    | 0.400 | ng    | -0.01    |
|                               |        |      |          |       |       |          |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.283  | 112  | 5189     | 0.371 | ng    | 0.00     |
| 5) Phenol-d6                  | 6.879  | 99   | 6235     | 0.375 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 8.864  | 82   | 4834     | 0.389 | ng    | -0.01    |
| 11) 2-Methylnaphthalene-d10   | 12.121 | 152  | 8177     | 0.394 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 15.882 | 330  | 1142     | 0.336 | ng    | -0.01    |
| 15) 2-Fluorobiphenyl          | 13.003 | 172  | 16556    | 0.449 | ng    | 0.00     |
| 27) Fluoranthene-d10          | 19.178 | 212  | 13254    | 0.393 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.782 | 244  | 9158     | 0.388 | ng    | 0.00     |
|                               |        |      |          |       |       |          |
| Target Compounds              |        |      |          |       |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.189  | 88   | 2585     | 0.402 | ng    | 98       |
| 3) n-Nitrosodimethylamine     | 3.507  | 42   | 3286     | 0.407 | ng    | # 93     |
| 6) bis(2-Chloroethyl)ether    | 7.139  | 93   | 6464     | 0.398 | ng    | 98       |
| 9) Naphthalene                | 10.562 | 128  | 17465    | 0.401 | ng    | 100      |
| 10) Hexachlorobutadiene       | 10.861 | 225  | 3098     | 0.401 | ng    | # 100    |
| 12) 2-Methylnaphthalene       | 12.192 | 142  | 10863    | 0.393 | ng    | 99       |
| 16) Acenaphthylene            | 14.099 | 152  | 14412    | 0.383 | ng    | 99       |
| 17) Acenaphthene              | 14.452 | 154  | 10037    | 0.383 | ng    | 98       |
| 18) Fluorene                  | 15.435 | 166  | 12863    | 0.381 | ng    | 100      |
| 20) 4,6-Dinitro-2-methylph... | 15.522 | 198  | 498      | 0.222 | ng    | # 77     |
| 21) 4-Bromophenyl-phenylether | 16.342 | 248  | 3890     | 0.385 | ng    | # 87     |
| 22) Hexachlorobenzene         | 16.453 | 284  | 4905     | 0.403 | ng    | 99       |
| 23) Atrazine                  | 16.615 | 200  | 2528     | 0.366 | ng    | 96       |
| 24) Pentachlorophenol         | 16.801 | 266  | 1536     | 0.324 | ng    | 98       |
| 25) Phenanthrene              | 17.186 | 178  | 18617    | 0.392 | ng    | 100      |
| 26) Anthracene                | 17.273 | 178  | 15635    | 0.382 | ng    | 100      |
| 28) Fluoranthene              | 19.206 | 202  | 19763    | 0.392 | ng    | 100      |
| 30) Pyrene                    | 19.573 | 202  | 19816    | 0.380 | ng    | 99       |
| 32) Benzo(a)anthracene        | 21.322 | 228  | 16185    | 0.396 | ng    | 98       |
| 33) Chrysene                  | 21.366 | 228  | 17971    | 0.399 | ng    | 100      |
| 34) Bis(2-ethylhexyl)phtha... | 21.259 | 149  | 8224     | 0.367 | ng    | 100      |
| 36) Indeno(1,2,3-cd)pyrene    | 25.940 | 276  | 23216    | 0.397 | ng    | 98       |
| 37) Benzo(b)fluoranthene      | 22.929 | 252  | 19179    | 0.379 | ng    | 99       |
| 38) Benzo(k)fluoranthene      | 22.975 | 252  | 19259    | 0.381 | ng    | 100      |
| 39) Benzo(a)pyrene            | 23.519 | 252  | 15860    | 0.383 | ng    | 99       |
| 40) Dibenzo(a,h)anthracene    | 25.958 | 278  | 17888    | 0.396 | ng    | 100      |
| 41) Benzo(g,h,i)perylene      | 26.645 | 276  | 19297    | 0.383 | ng    | 99       |
| -----                         |        |      |          |       |       |          |

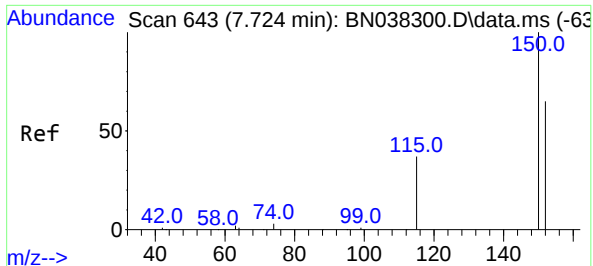
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN121225\  
Data File : BN038380.D  
Acq On : 13 Dec 2025 11:03  
Operator : RC/JU  
Sample : SSTDCCC0.4  
Misc :  
ALS Vial : 38 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4

Quant Time: Dec 14 22:22:13 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN121025.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Dec 10 13:56:50 2025  
Response via : Initial Calibration

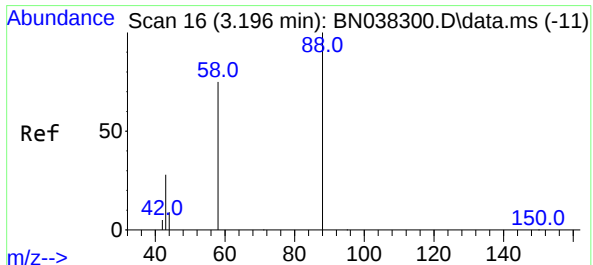
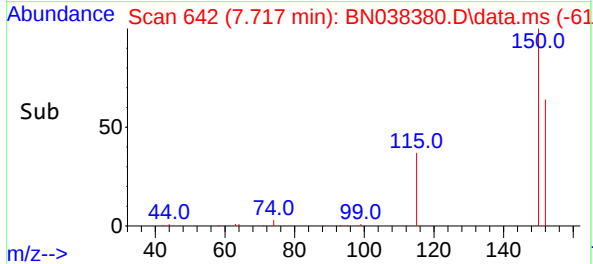
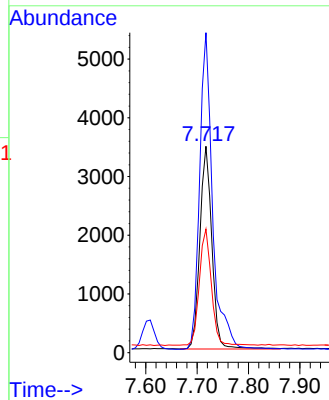
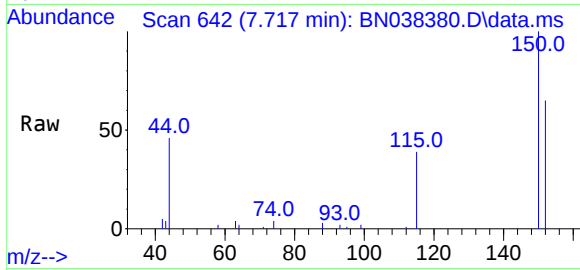




#1  
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.717 min Scan# 64  
Delta R.T. -0.007 min  
Lab File: BN038380.D  
Acq: 13 Dec 2025 11:03

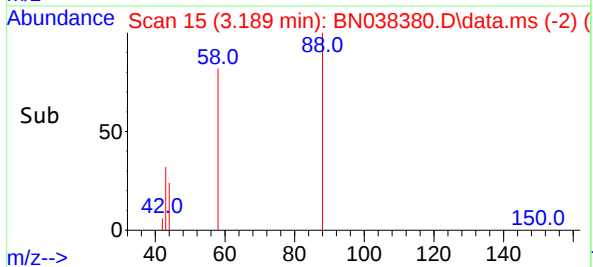
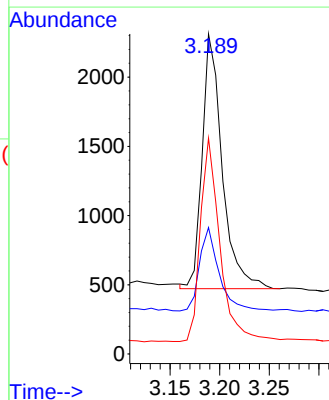
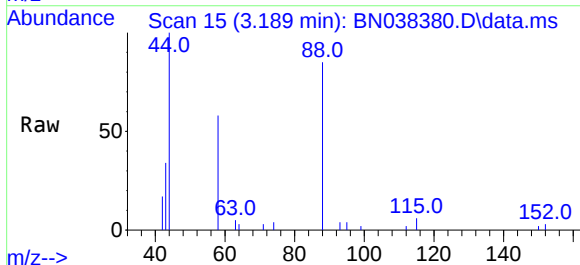
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4

Tgt Ion:152 Resp: 5610  
Ion Ratio Lower Upper  
152 100  
150 155.0 122.4 183.6  
115 59.8 47.3 70.9

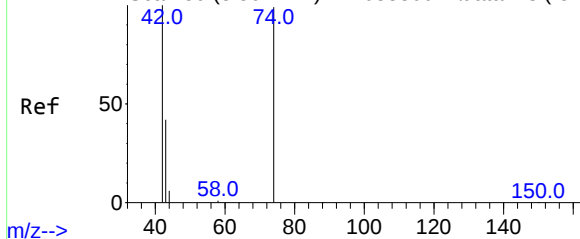


#2  
1,4-Dioxane  
Concen: 0.402 ng  
RT: 3.189 min Scan# 15  
Delta R.T. -0.007 min  
Lab File: BN038380.D  
Acq: 13 Dec 2025 11:03

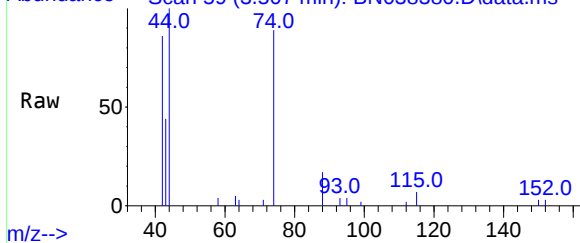
Tgt Ion: 88 Resp: 2585  
Ion Ratio Lower Upper  
88 100  
43 32.1 24.9 37.3  
58 78.2 61.4 92.0



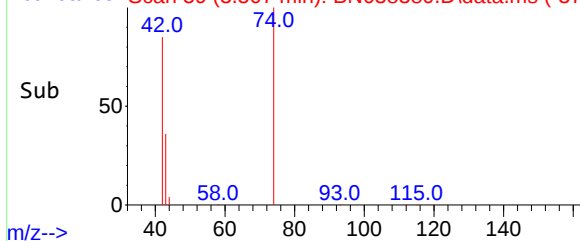
Abundance Scan 59 (3.507 min): BN038300.D\data.ms (-52)



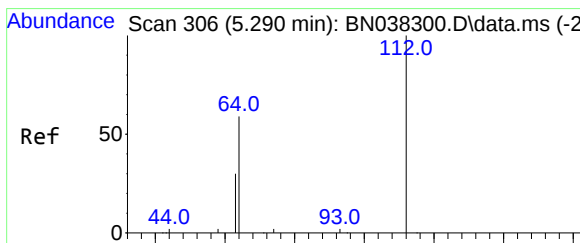
m/z--&gt; Abundance Scan 59 (3.507 min): BN038380.D\data.ms



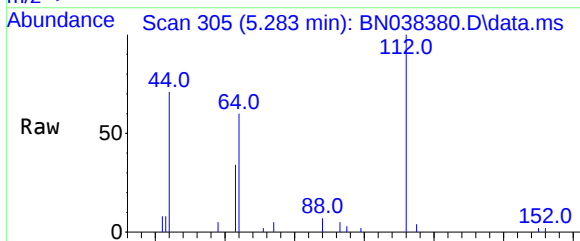
m/z--&gt; Abundance Scan 59 (3.507 min): BN038380.D\data.ms (-37)



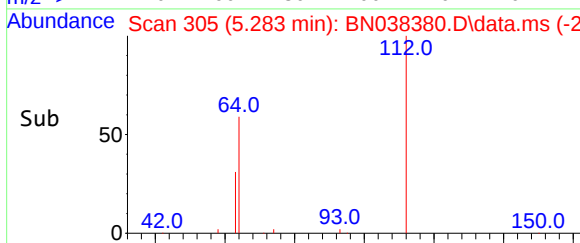
m/z--&gt; Abundance Scan 306 (5.290 min): BN038300.D\data.ms (-29)



m/z--&gt; Abundance Scan 305 (5.283 min): BN038380.D\data.ms



m/z--&gt; Abundance Scan 305 (5.283 min): BN038380.D\data.ms (-27)



m/z--&gt; Abundance

#3

n-Nitrosodimethylamine

Concen: 0.407 ng

RT: 3.507 min Scan# 59

Delta R.T. 0.007 min

Lab File: BN038380.D

Acq: 13 Dec 2025 11:03

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4

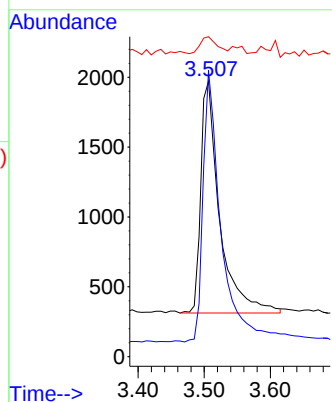
Tgt Ion: 42 Resp: 3286

Ion Ratio Lower Upper

42 100

74 111.6 95.3 142.9

44 6.4 7.9 11.9#



#4

2-Fluorophenol

Concen: 0.371 ng

RT: 5.283 min Scan# 305

Delta R.T. -0.007 min

Lab File: BN038380.D

Acq: 13 Dec 2025 11:03

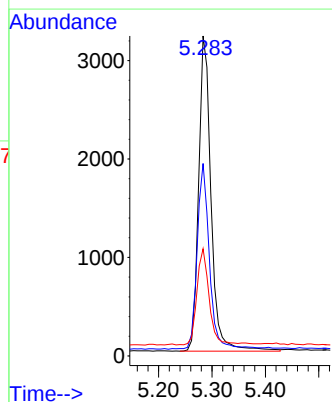
Tgt Ion: 112 Resp: 5189

Ion Ratio Lower Upper

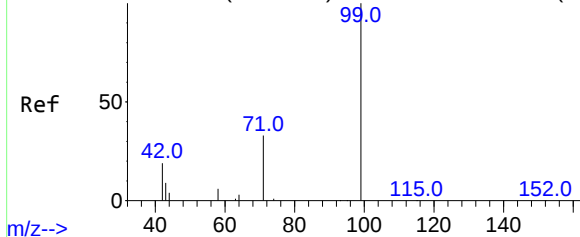
112 100

64 58.1 44.4 66.6

63 29.7 23.4 35.0



Abundance Scan 527 (6.887 min): BN038380.D\data.ms (-52)



#5

Phenol-d6

Concen: 0.375 ng

RT: 6.879 min Scan# 51

Delta R.T. -0.007 min

Lab File: BN038380.D

Acq: 13 Dec 2025 11:03

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4

Tgt Ion: 99 Resp: 6235

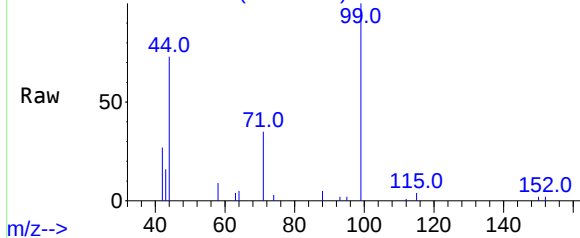
Ion Ratio Lower Upper

99 100

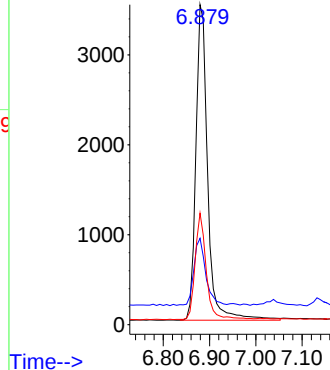
42 21.3 16.5 24.7

71 31.5 24.9 37.3

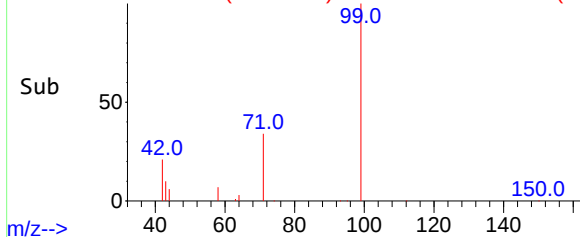
Abundance Scan 526 (6.879 min): BN038380.D\data.ms



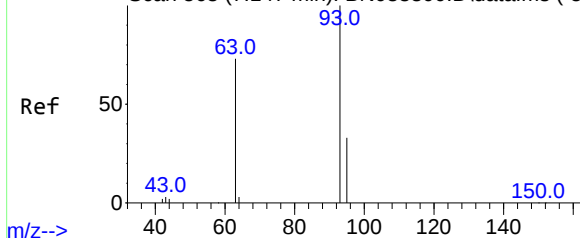
Abundance



Abundance Scan 526 (6.879 min): BN038380.D\data.ms (-49)



Abundance Scan 563 (7.147 min): BN038380.D\data.ms (-55)



#6

bis(2-Chloroethyl)ether

Concen: 0.398 ng

RT: 7.139 min Scan# 562

Delta R.T. -0.007 min

Lab File: BN038380.D

Acq: 13 Dec 2025 11:03

Tgt Ion: 93 Resp: 6464

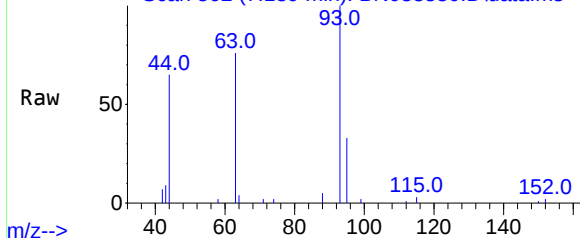
Ion Ratio Lower Upper

93 100

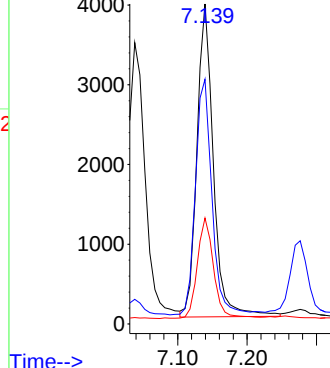
63 76.1 59.2 88.8

95 31.6 25.2 37.8

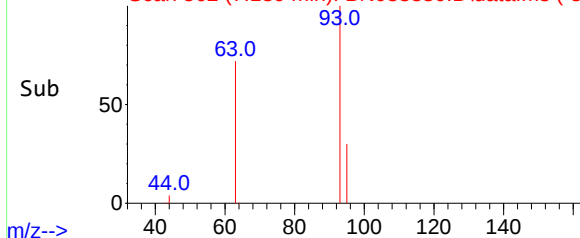
Abundance Scan 562 (7.139 min): BN038380.D\data.ms

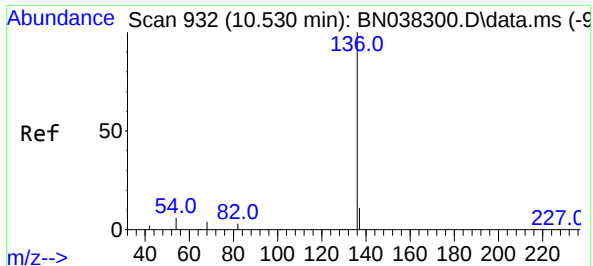


Abundance



Abundance Scan 562 (7.139 min): BN038380.D\data.ms (-52)

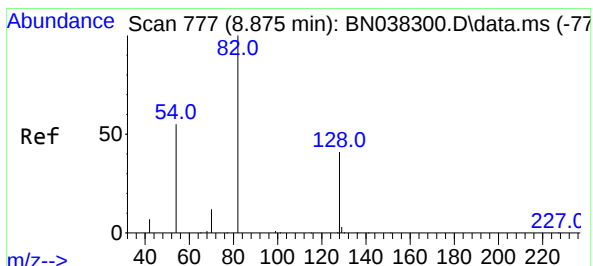
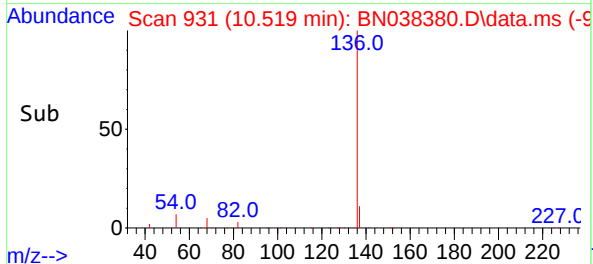
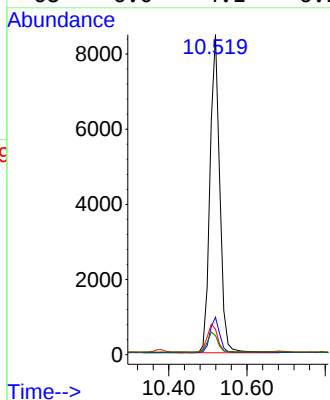
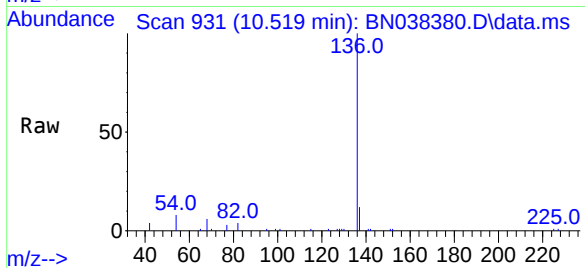




#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.519 min Scan# 91  
Delta R.T. -0.011 min  
Lab File: BN038380.D  
Acq: 13 Dec 2025 11:03

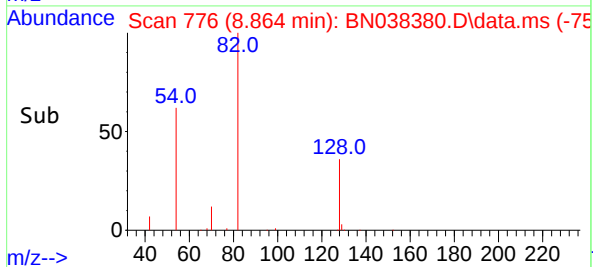
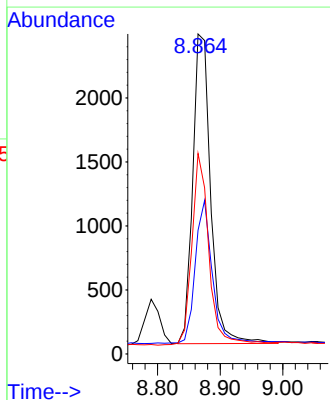
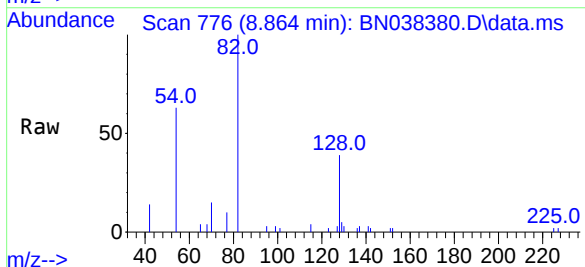
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4

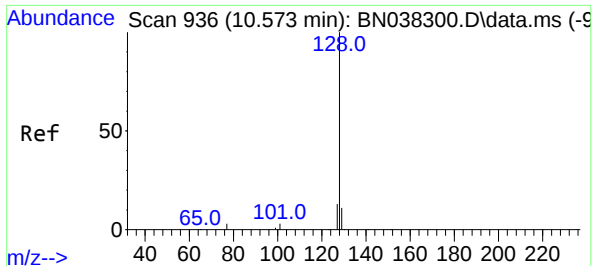
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 136   | Resp: | 14718 |
| Ion      | Ratio | Lower | Upper |
| 136      | 100   |       |       |
| 137      | 11.7  | 9.1   | 13.7  |
| 54       | 8.0   | 5.2   | 7.8#  |
| 68       | 6.0   | 4.1   | 6.1   |



#8  
Nitrobenzene-d5  
Concen: 0.389 ng  
RT: 8.864 min Scan# 776  
Delta R.T. -0.011 min  
Lab File: BN038380.D  
Acq: 13 Dec 2025 11:03

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 82    | Resp: | 4834  |
| Ion      | Ratio | Lower | Upper |
| 82       | 100   |       |       |
| 128      | 38.6  | 34.0  | 51.0  |
| 54       | 62.6  | 44.4  | 66.6  |

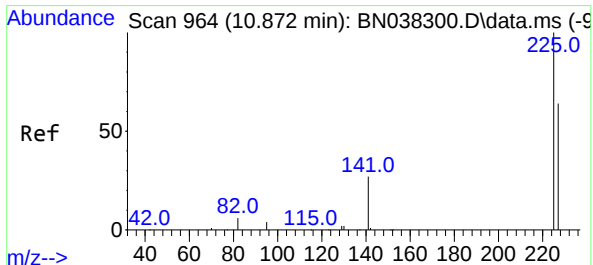
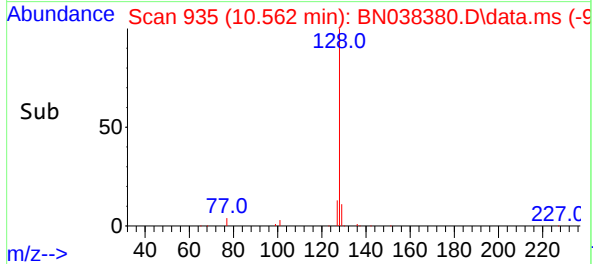
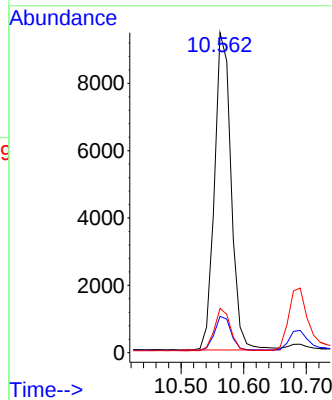
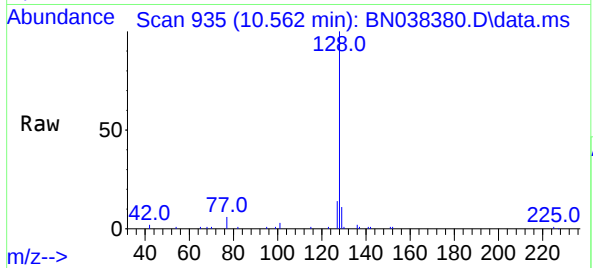




#9  
Naphthalene  
Concen: 0.401 ng  
RT: 10.562 min Scan# 91  
Delta R.T. -0.011 min  
Lab File: BN038380.D  
Acq: 13 Dec 2025 11:03

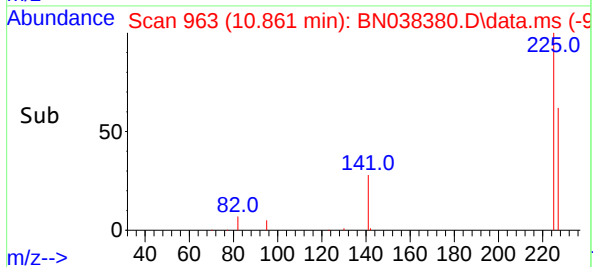
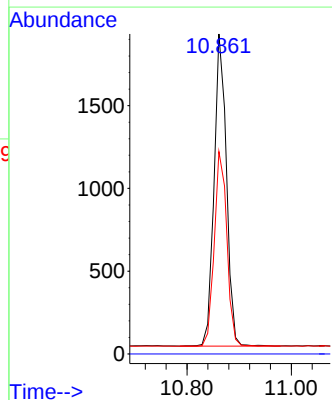
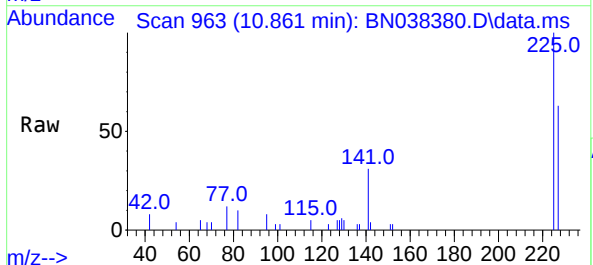
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4

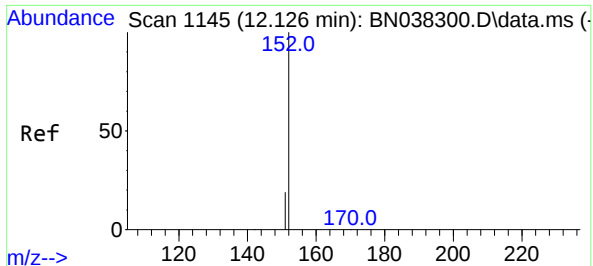
Tgt Ion:128 Resp: 17465  
Ion Ratio Lower Upper  
128 100  
129 11.3 9.1 13.7  
127 13.9 10.9 16.3



#10  
Hexachlorobutadiene  
Concen: 0.401 ng  
RT: 10.861 min Scan# 963  
Delta R.T. -0.011 min  
Lab File: BN038380.D  
Acq: 13 Dec 2025 11:03

Tgt Ion:225 Resp: 3098  
Ion Ratio Lower Upper  
225 100  
223 0.0 0.0 0.0  
227 63.8 51.2 76.8

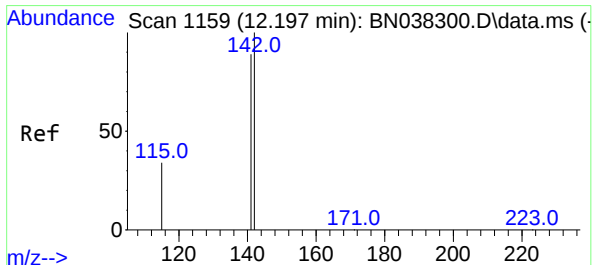
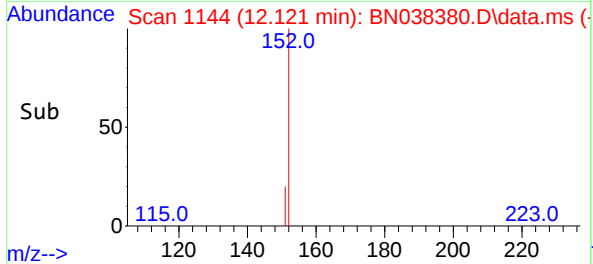
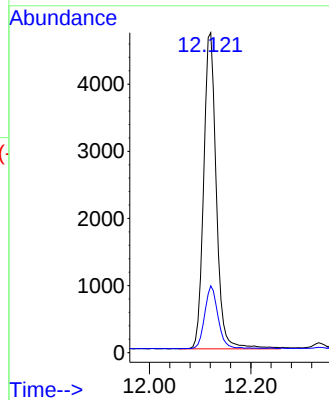
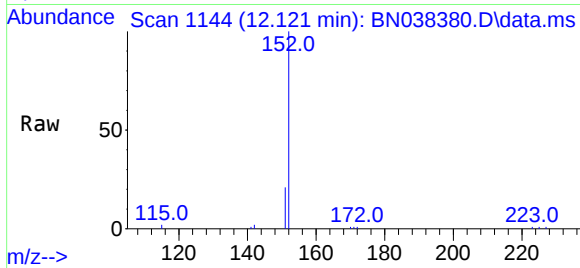




#11  
2-Methylnaphthalene-d10  
Concen: 0.394 ng  
RT: 12.121 min Scan# 1144  
Delta R.T. -0.005 min  
Lab File: BN038380.D  
Acq: 13 Dec 2025 11:03

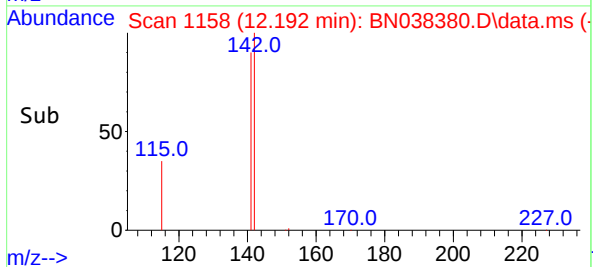
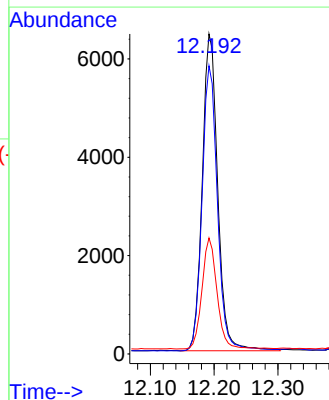
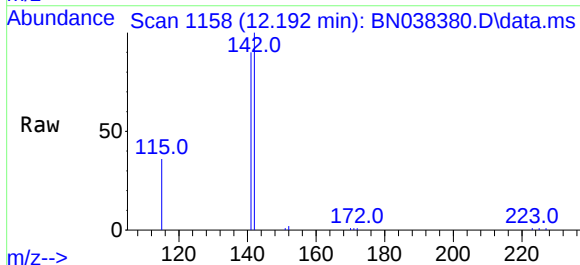
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4

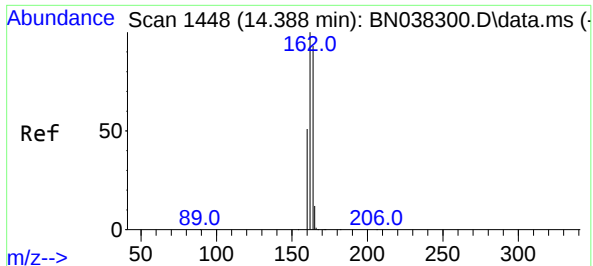
Tgt Ion:152 Resp: 8177  
Ion Ratio Lower Upper  
152 100  
151 20.9 17.0 25.6



#12  
2-Methylnaphthalene  
Concen: 0.393 ng  
RT: 12.192 min Scan# 1158  
Delta R.T. -0.010 min  
Lab File: BN038380.D  
Acq: 13 Dec 2025 11:03

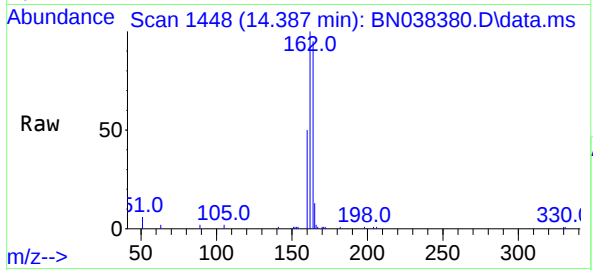
Tgt Ion:142 Resp: 10863  
Ion Ratio Lower Upper  
142 100  
141 90.1 71.4 107.2  
115 36.3 28.4 42.6



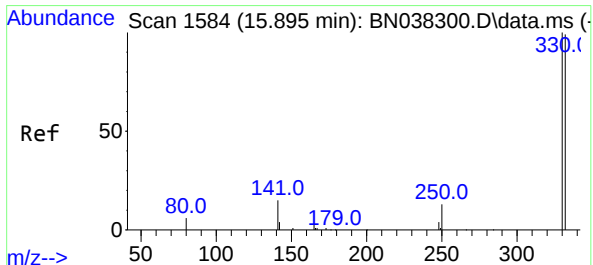
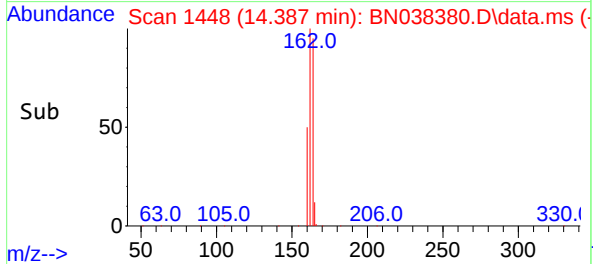
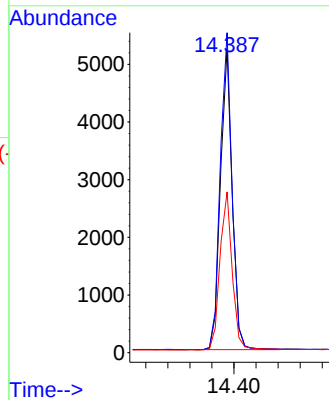


#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.387 min Scan# 1448  
Delta R.T. -0.011 min  
Lab File: BN038380.D  
Acq: 13 Dec 2025 11:03

Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4

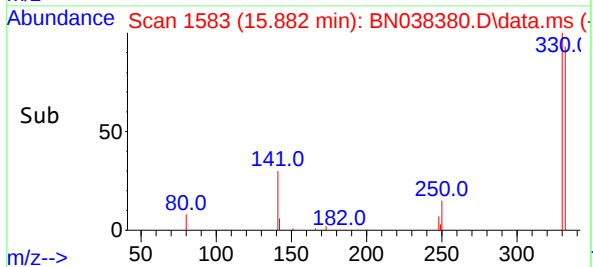
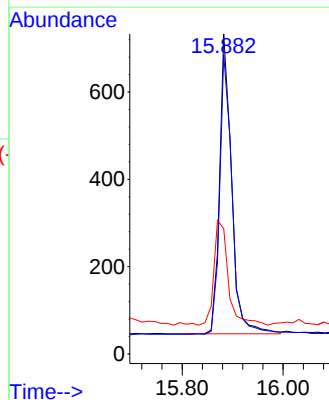
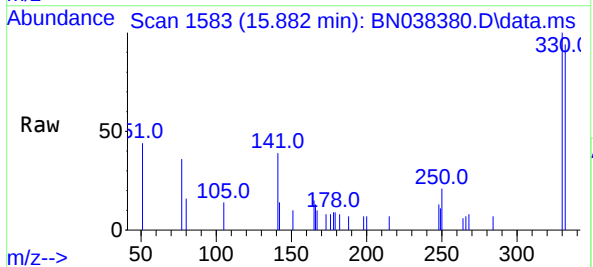


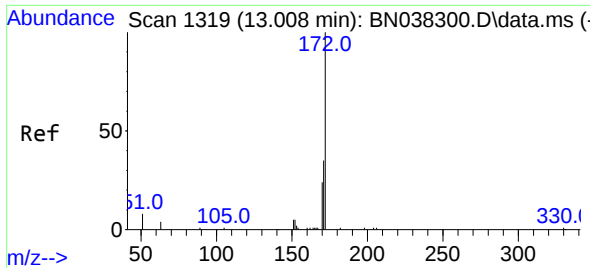
Tgt Ion:164 Resp: 7660  
Ion Ratio Lower Upper  
164 100  
162 105.3 86.2 129.4  
160 53.0 44.6 67.0



#14  
2,4,6-Tribromophenol  
Concen: 0.336 ng  
RT: 15.882 min Scan# 1583  
Delta R.T. -0.012 min  
Lab File: BN038380.D  
Acq: 13 Dec 2025 11:03

Tgt Ion:330 Resp: 1142  
Ion Ratio Lower Upper  
330 100  
332 96.3 75.8 113.6  
141 41.2 31.8 47.8

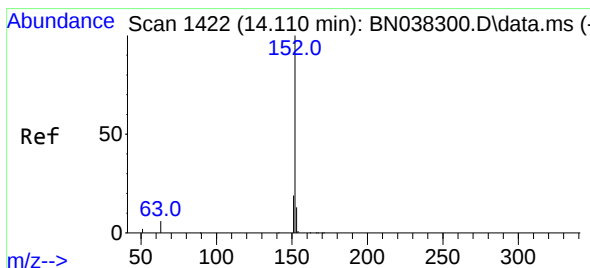
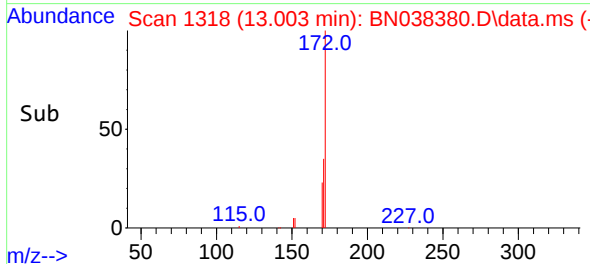
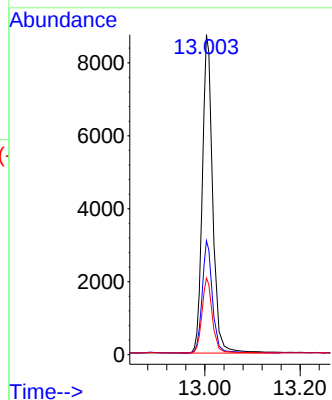
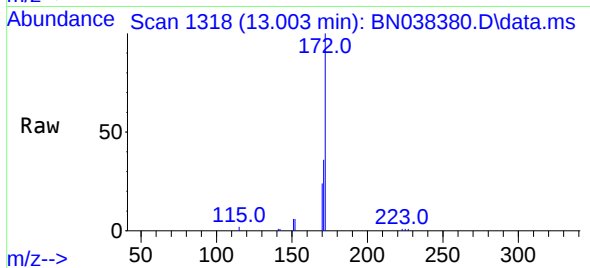




#15  
2-Fluorobiphenyl  
Concen: 0.449 ng  
RT: 13.003 min Scan# 11  
Delta R.T. -0.005 min  
Lab File: BN038380.D  
Acq: 13 Dec 2025 11:03

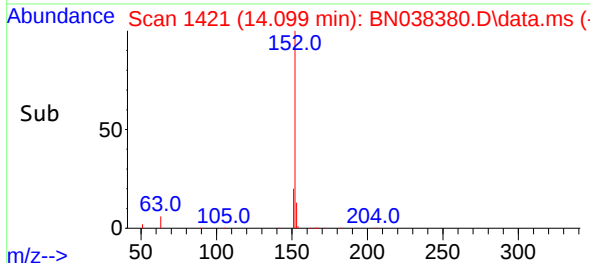
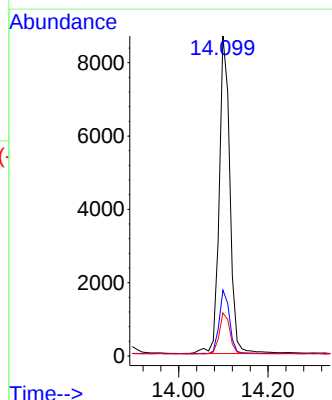
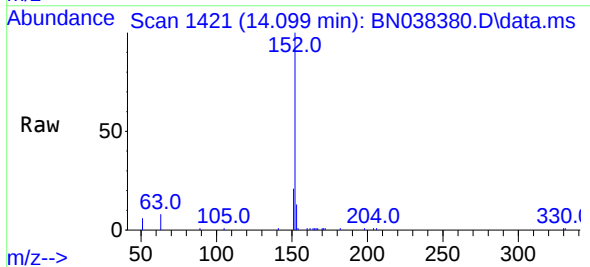
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4

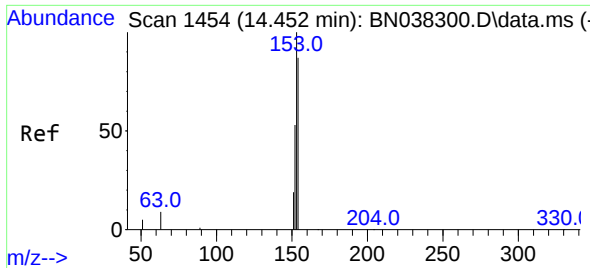
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 172   | Resp: | 16556 |
| Ion      | Ratio | Lower | Upper |
| 172      | 100   |       |       |
| 171      | 35.6  | 28.6  | 42.8  |
| 170      | 23.9  | 19.3  | 28.9  |



#16  
Acenaphthylene  
Concen: 0.383 ng  
RT: 14.099 min Scan# 1421  
Delta R.T. -0.011 min  
Lab File: BN038380.D  
Acq: 13 Dec 2025 11:03

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 152   | Resp: | 14412 |
| Ion      | Ratio | Lower | Upper |
| 152      | 100   |       |       |
| 151      | 19.8  | 15.4  | 23.2  |
| 153      | 13.1  | 10.2  | 15.4  |

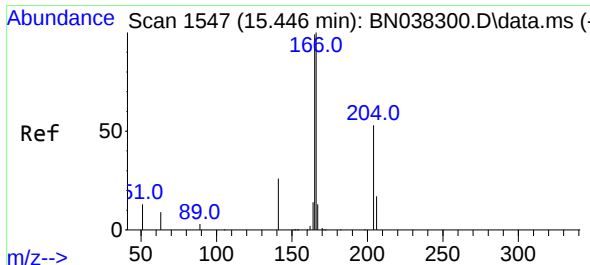
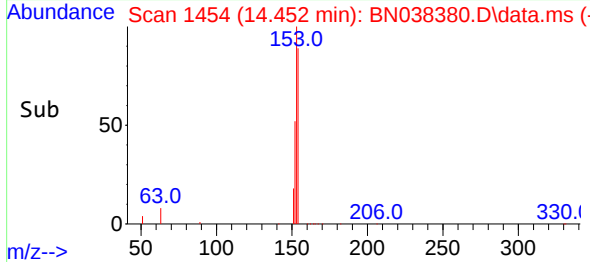
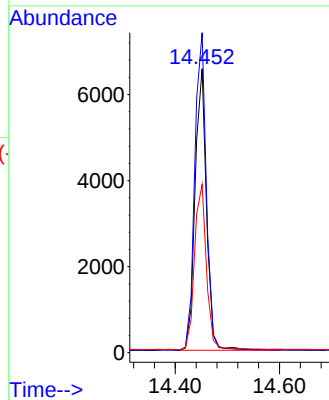
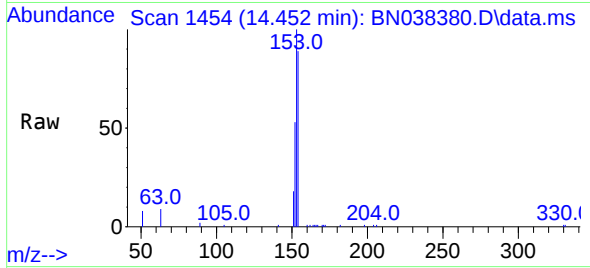




#17  
Acenaphthene  
Concen: 0.383 ng  
RT: 14.452 min Scan# 1454  
Delta R.T. -0.011 min  
Lab File: BN038380.D  
Acq: 13 Dec 2025 11:03

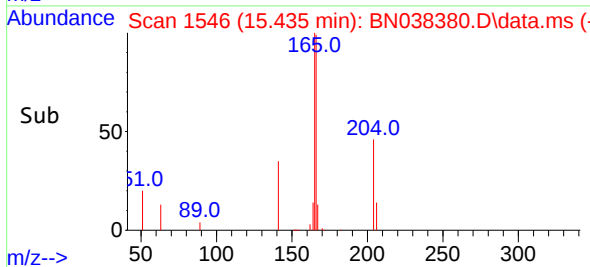
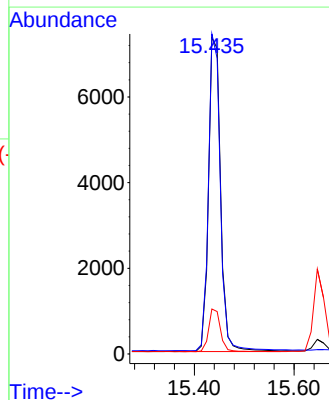
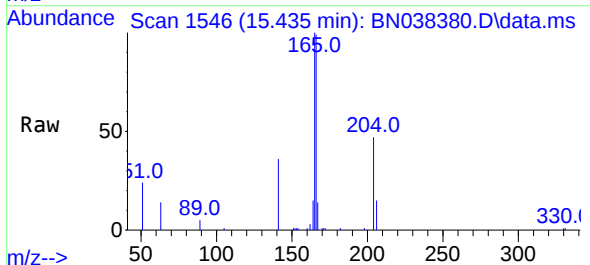
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4

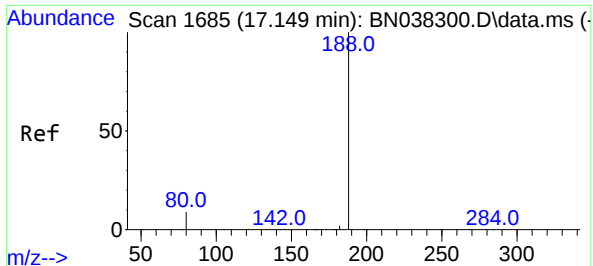
Tgt Ion:154 Resp: 10037  
Ion Ratio Lower Upper  
154 100  
153 114.3 89.8 134.8  
152 61.0 47.5 71.3



#18  
Fluorene  
Concen: 0.381 ng  
RT: 15.435 min Scan# 1546  
Delta R.T. -0.011 min  
Lab File: BN038380.D  
Acq: 13 Dec 2025 11:03

Tgt Ion:166 Resp: 12863  
Ion Ratio Lower Upper  
166 100  
165 100.2 80.2 120.4  
167 13.4 10.6 16.0

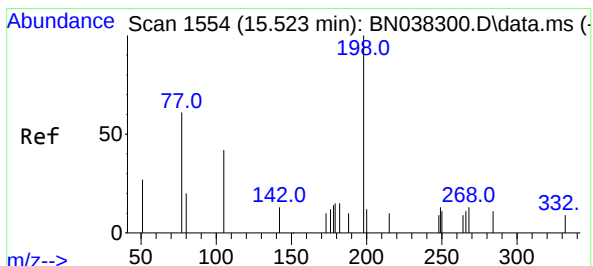
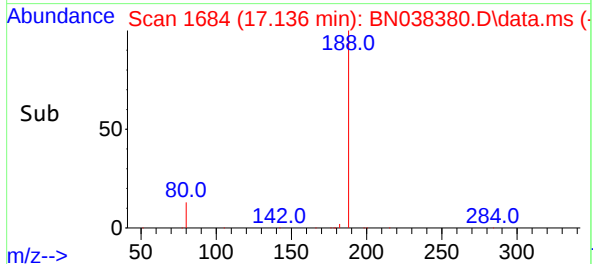
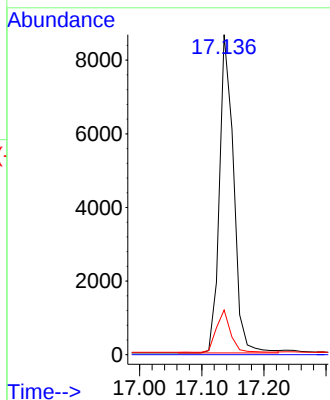
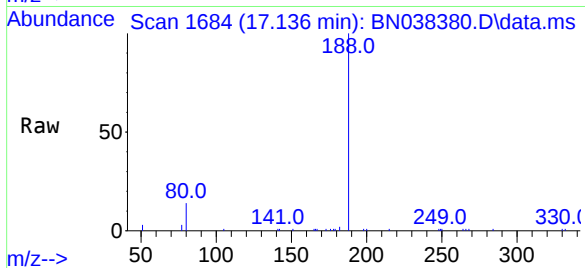




#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.136 min Scan# 1684  
Delta R.T. -0.012 min  
Lab File: BN038380.D  
Acq: 13 Dec 2025 11:03

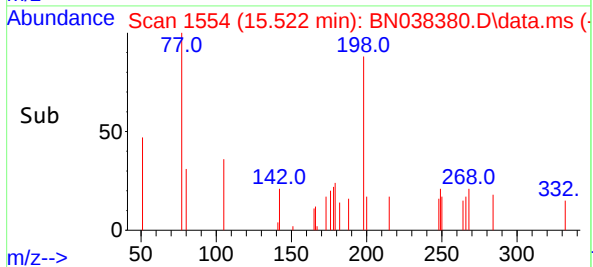
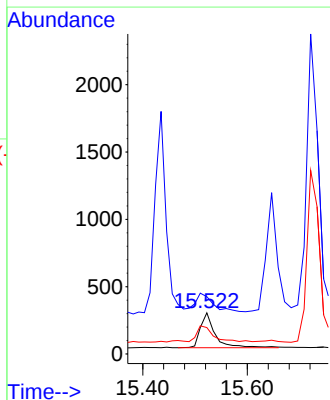
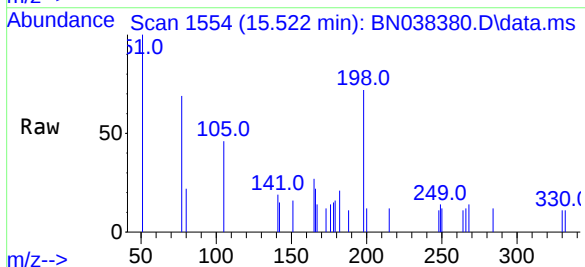
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4

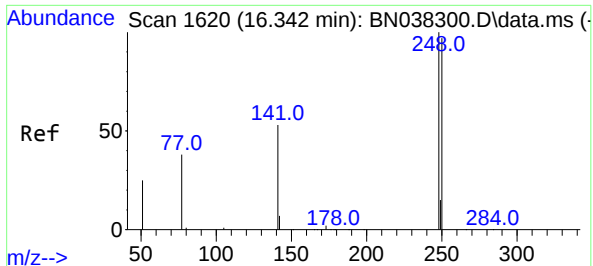
Tgt Ion:188 Resp: 13635  
Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 14.0 7.4 11.0#



#20  
4,6-Dinitro-2-methylphenol  
Concen: 0.222 ng  
RT: 15.522 min Scan# 1554  
Delta R.T. 0.000 min  
Lab File: BN038380.D  
Acq: 13 Dec 2025 11:03

Tgt Ion:198 Resp: 498  
Ion Ratio Lower Upper  
198 100  
51 139.2 86.3 129.5#  
105 64.4 45.3 67.9

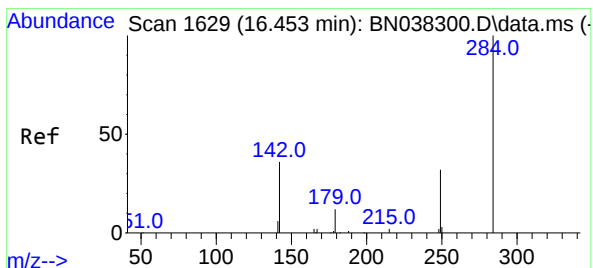
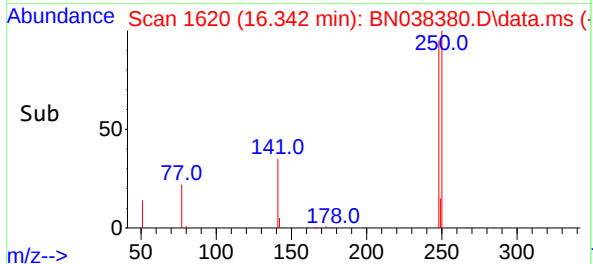
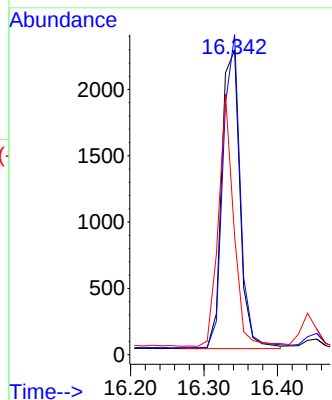
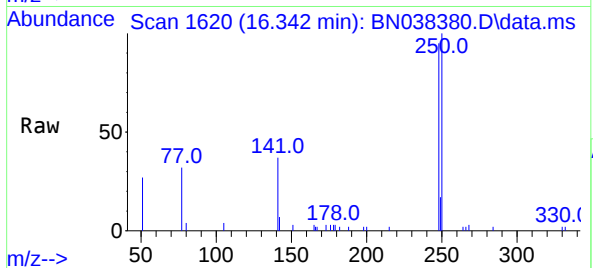




#21  
4-Bromophenyl-phenylether  
Concen: 0.385 ng  
RT: 16.342 min Scan# 1620  
Delta R.T. -0.000 min  
Lab File: BN038380.D  
Acq: 13 Dec 2025 11:03

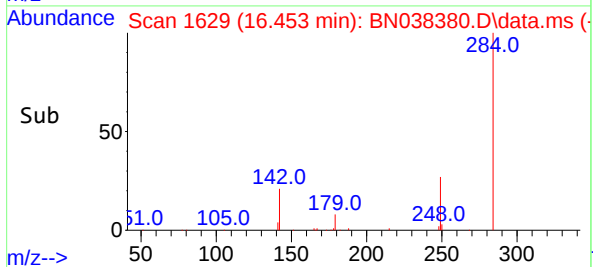
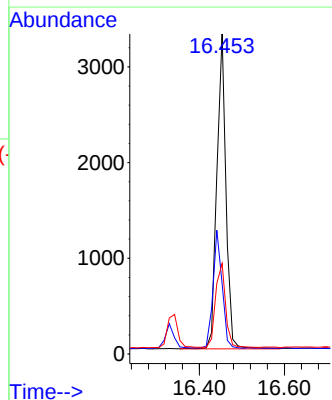
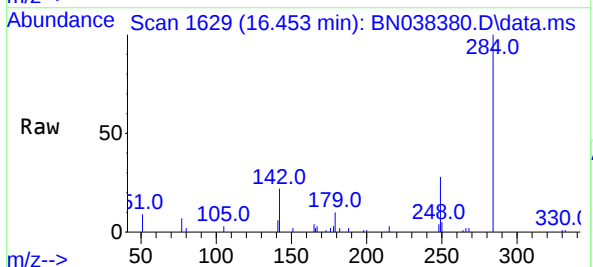
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4

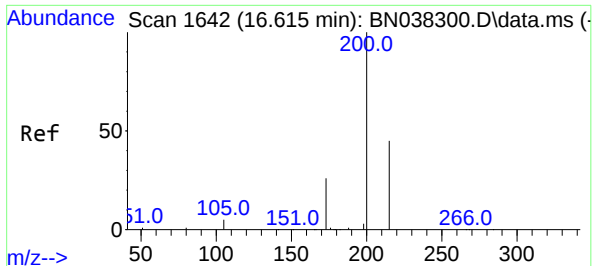
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 248     | 100   |       |       |
| 250     | 105.1 | 78.2  | 117.2 |
| 141     | 39.0  | 43.7  | 65.5  |



#22  
Hexachlorobenzene  
Concen: 0.403 ng  
RT: 16.453 min Scan# 1629  
Delta R.T. -0.012 min  
Lab File: BN038380.D  
Acq: 13 Dec 2025 11:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 284     | 100   |       |       |
| 142     | 37.2  | 29.5  | 44.3  |
| 249     | 29.3  | 23.7  | 35.5  |

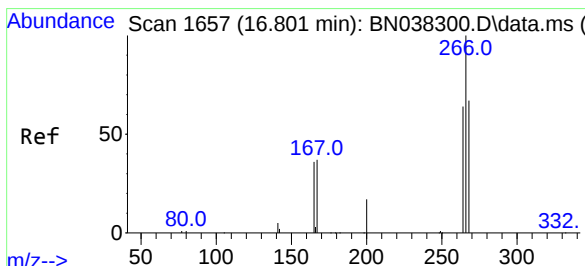
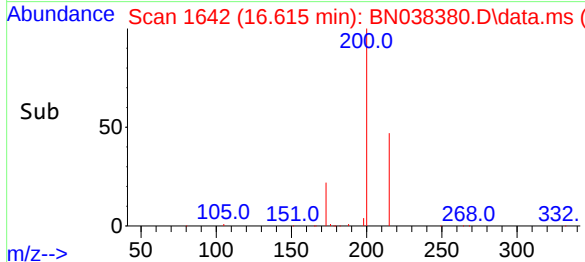
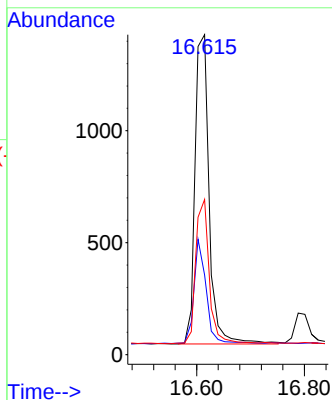
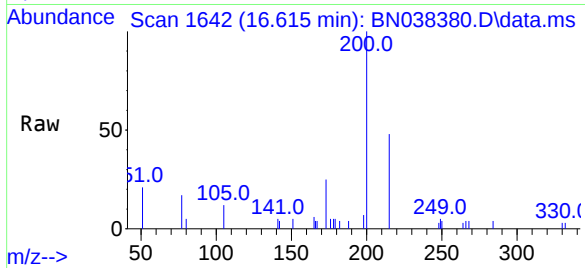




#23  
Atrazine  
Concen: 0.366 ng  
RT: 16.615 min Scan# 1642  
Delta R.T. -0.000 min  
Lab File: BN038380.D  
Acq: 13 Dec 2025 11:03

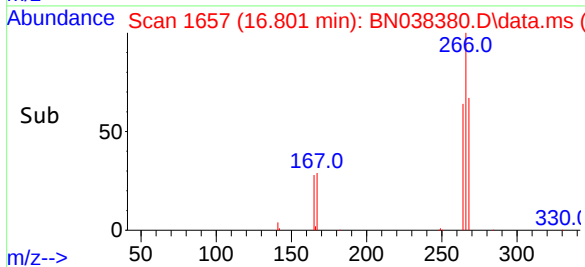
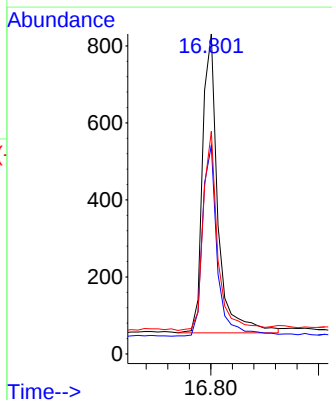
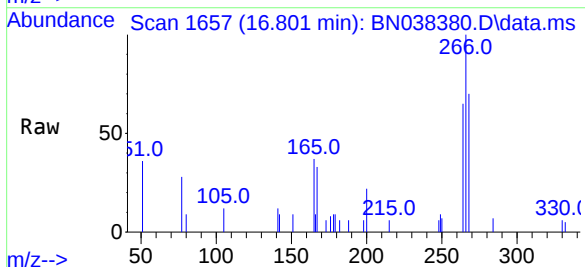
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4

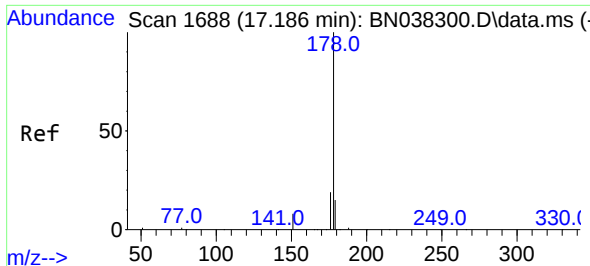
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 200     | 100   |       |       |
| 173     | 24.9  | 22.1  | 33.1  |
| 215     | 48.5  | 37.4  | 56.2  |



#24  
Pentachlorophenol  
Concen: 0.324 ng  
RT: 16.801 min Scan# 1657  
Delta R.T. -0.000 min  
Lab File: BN038380.D  
Acq: 13 Dec 2025 11:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 264     | 62.4  | 50.2  | 75.2  |
| 268     | 62.8  | 52.6  | 78.8  |

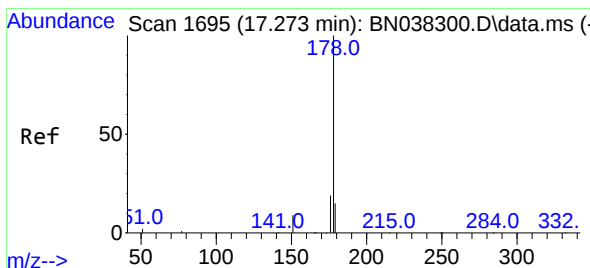
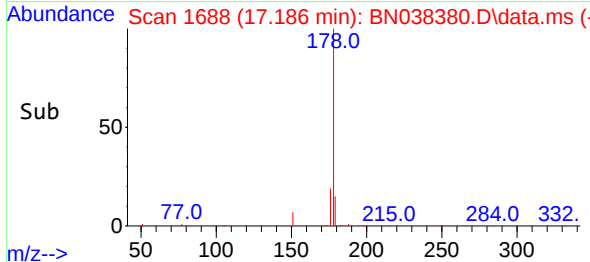
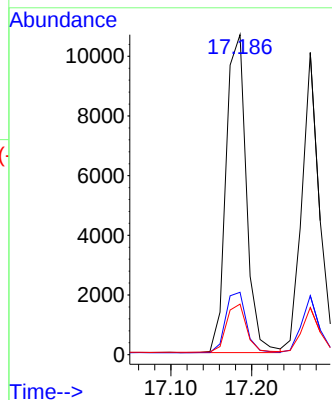
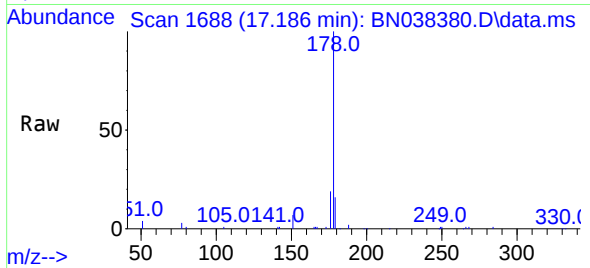




#25  
Phenanthrene  
Concen: 0.392 ng  
RT: 17.186 min Scan# 1688  
Delta R.T. -0.000 min  
Lab File: BN038380.D  
Acq: 13 Dec 2025 11:03

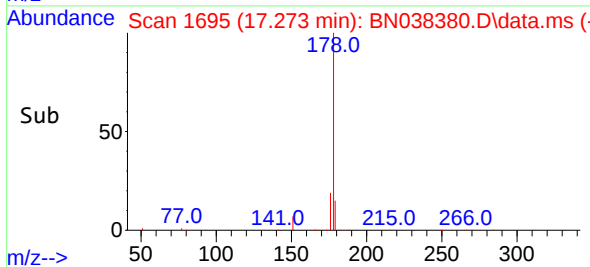
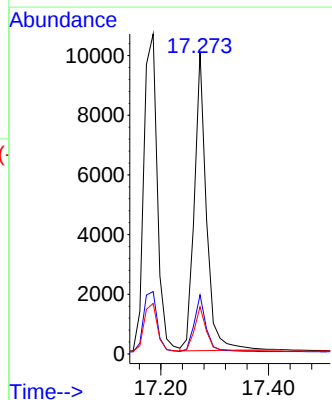
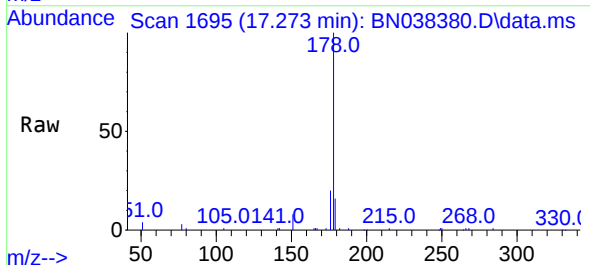
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4

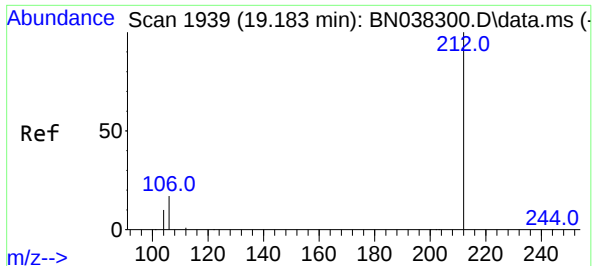
Tgt Ion:178 Resp: 18617  
Ion Ratio Lower Upper  
178 100  
176 19.5 15.5 23.3  
179 15.3 12.2 18.2



#26  
Anthracene  
Concen: 0.382 ng  
RT: 17.273 min Scan# 1695  
Delta R.T. -0.012 min  
Lab File: BN038380.D  
Acq: 13 Dec 2025 11:03

Tgt Ion:178 Resp: 15635  
Ion Ratio Lower Upper  
178 100  
176 18.9 15.1 22.7  
179 15.0 12.0 18.0





#27

Fluoranthene-d10

Concen: 0.393 ng

RT: 19.178 min Scan# 1938

Delta R.T. -0.009 min

Lab File: BN038380.D

Acq: 13 Dec 2025 11:03

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4

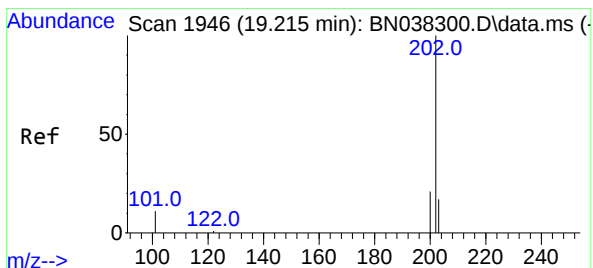
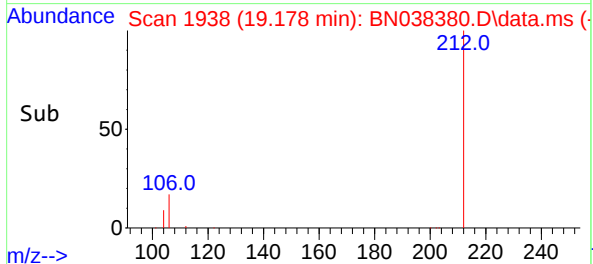
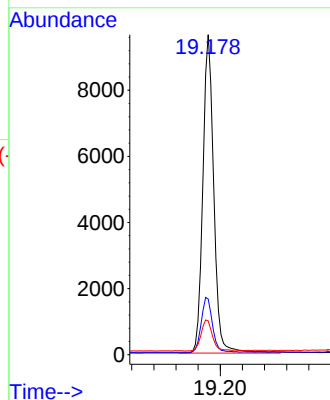
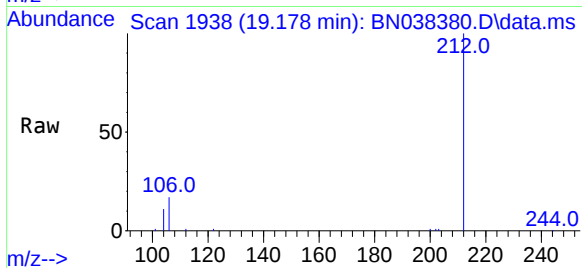
Tgt Ion:212 Resp: 13254

Ion Ratio Lower Upper

212 100

106 17.5 13.7 20.5

104 10.2 7.8 11.8



#28

Fluoranthene

Concen: 0.392 ng

RT: 19.206 min Scan# 1944

Delta R.T. -0.014 min

Lab File: BN038380.D

Acq: 13 Dec 2025 11:03

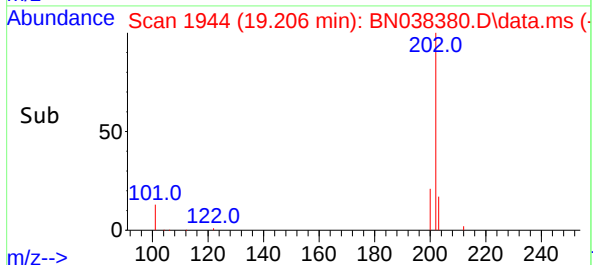
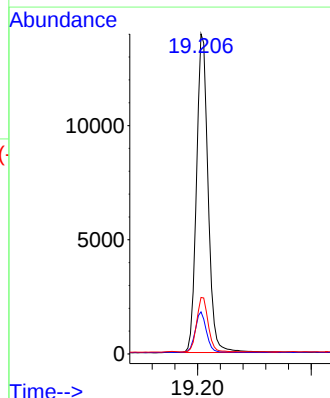
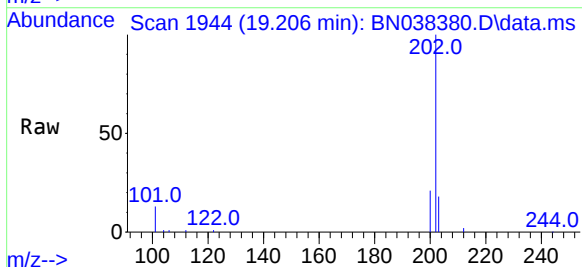
Tgt Ion:202 Resp: 19763

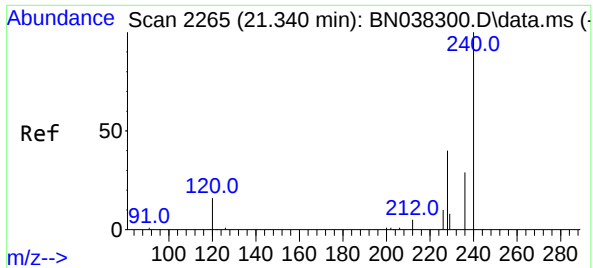
Ion Ratio Lower Upper

202 100

101 12.3 9.6 14.4

203 16.8 13.5 20.3

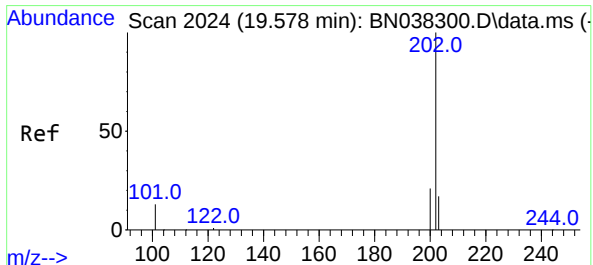
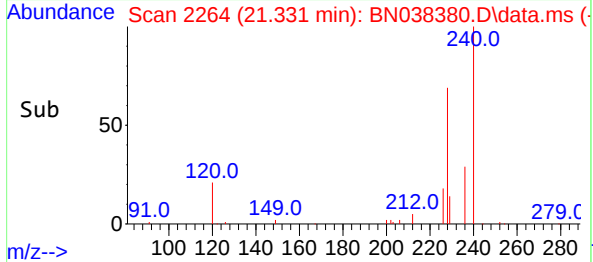
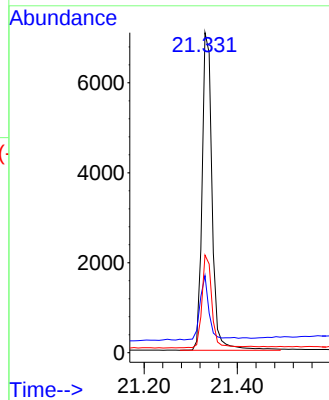
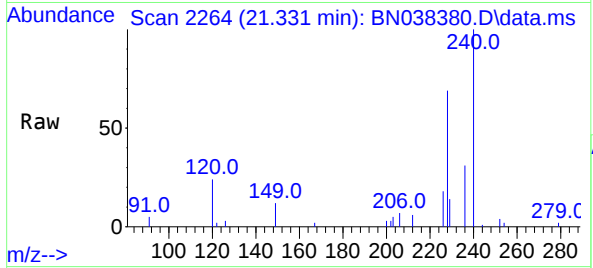




#29  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.331 min Scan# 21  
Delta R.T. -0.009 min  
Lab File: BN038380.D  
Acq: 13 Dec 2025 11:03

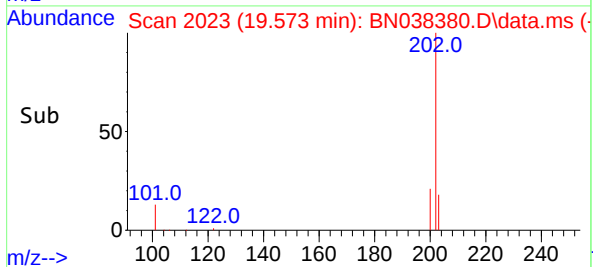
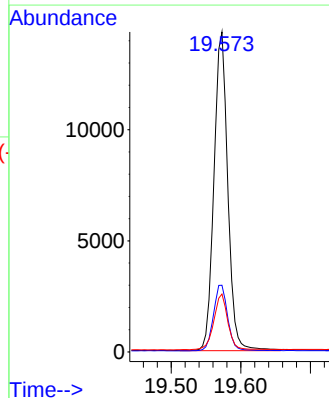
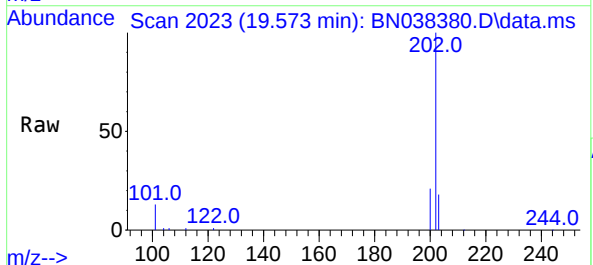
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4

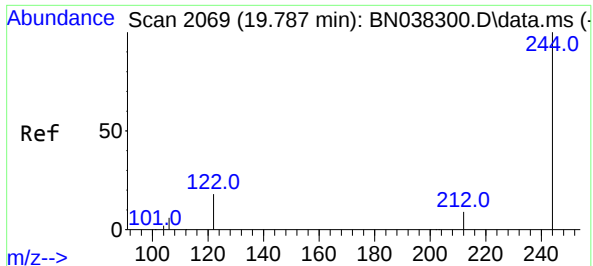
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 24.1  | 15.4  | 23.2# |
| 236     | 30.5  | 23.9  | 35.9  |



#30  
Pyrene  
Concen: 0.380 ng  
RT: 19.573 min Scan# 2023  
Delta R.T. -0.009 min  
Lab File: BN038380.D  
Acq: 13 Dec 2025 11:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 21.3  | 16.9  | 25.3  |
| 203     | 18.0  | 14.2  | 21.2  |

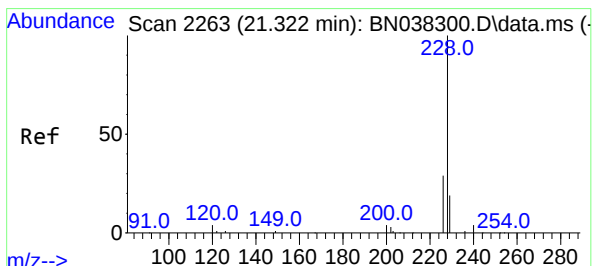
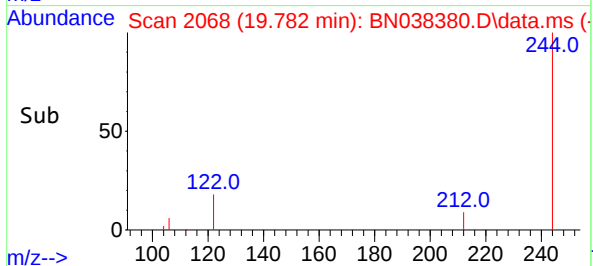
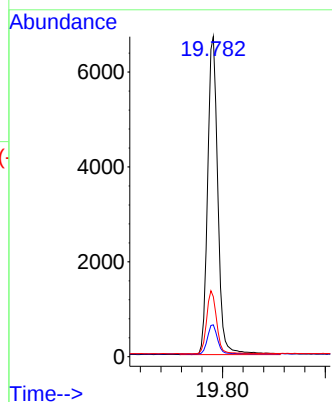
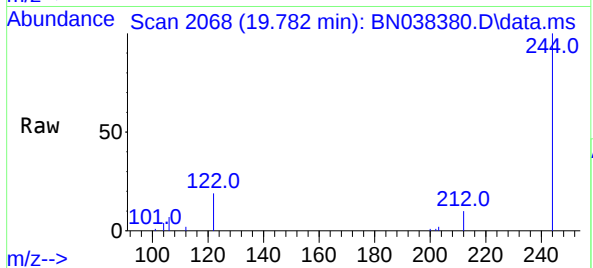




#31  
Terphenyl-d14  
Concen: 0.388 ng  
RT: 19.782 min Scan# 2068  
Delta R.T. -0.009 min  
Lab File: BN038380.D  
Acq: 13 Dec 2025 11:03

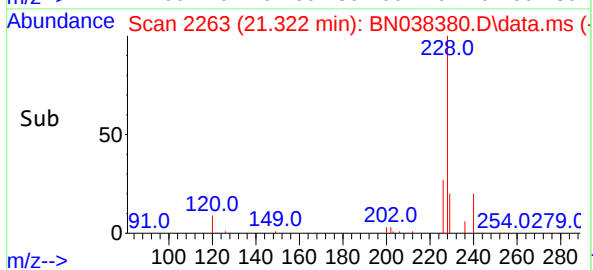
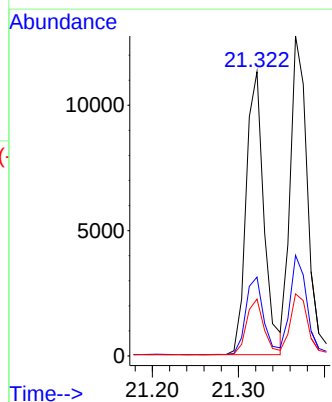
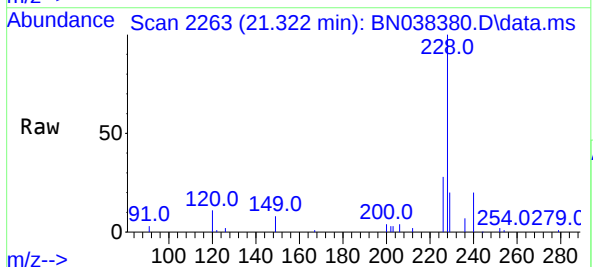
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4

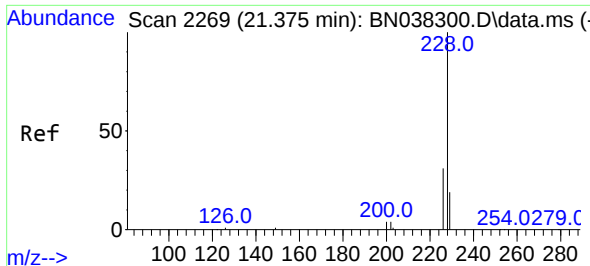
Tgt Ion:244 Resp: 9158  
Ion Ratio Lower Upper  
244 100  
212 10.0 7.9 11.9  
122 18.7 15.0 22.6



#32  
Benzo(a)anthracene  
Concen: 0.396 ng  
RT: 21.322 min Scan# 2263  
Delta R.T. -0.009 min  
Lab File: BN038380.D  
Acq: 13 Dec 2025 11:03

Tgt Ion:228 Resp: 16185  
Ion Ratio Lower Upper  
228 100  
226 27.7 23.3 34.9  
229 20.0 15.7 23.5

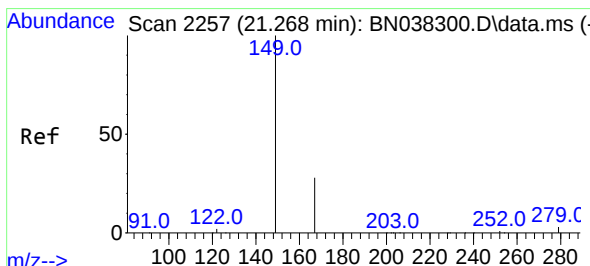
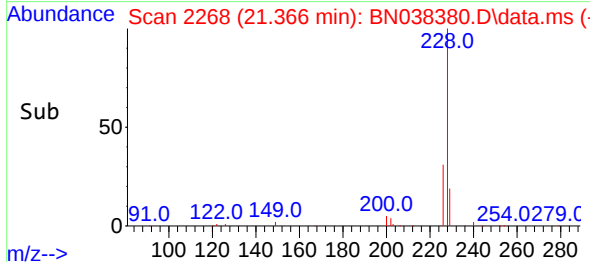
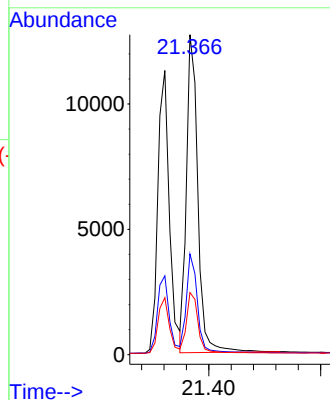
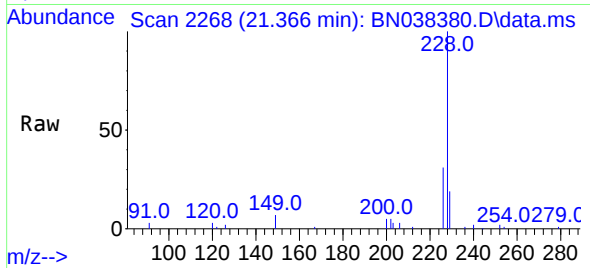




#33  
Chrysene  
Concen: 0.399 ng  
RT: 21.366 min Scan# 21  
Delta R.T. -0.009 min  
Lab File: BN038380.D  
Acq: 13 Dec 2025 11:03

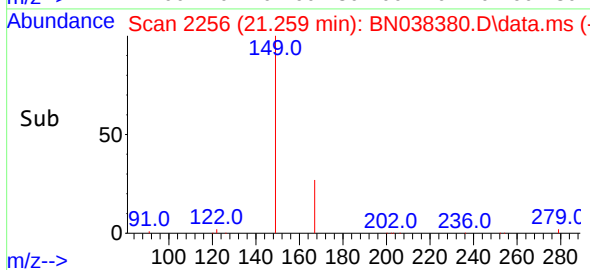
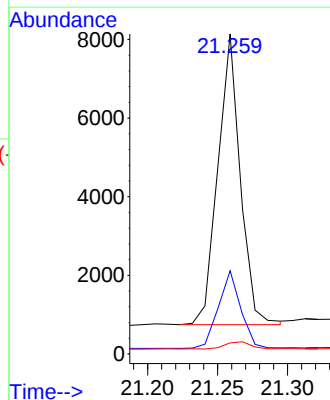
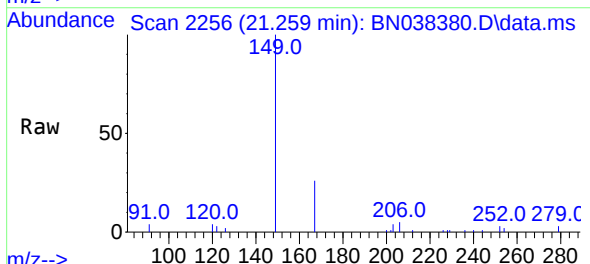
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4

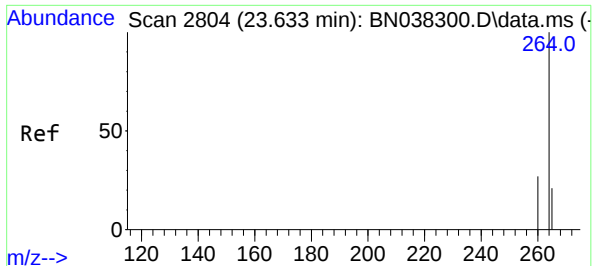
Tgt Ion:228 Resp: 17971  
Ion Ratio Lower Upper  
228 100  
226 31.4 25.0 37.4  
229 19.4 15.5 23.3



#34  
Bis(2-ethylhexyl)phthalate  
Concen: 0.367 ng  
RT: 21.259 min Scan# 2256  
Delta R.T. -0.009 min  
Lab File: BN038380.D  
Acq: 13 Dec 2025 11:03

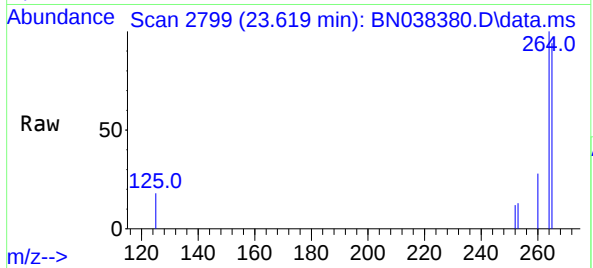
Tgt Ion:149 Resp: 8224  
Ion Ratio Lower Upper  
149 100  
167 26.8 21.4 32.0  
279 3.1 2.4 3.6



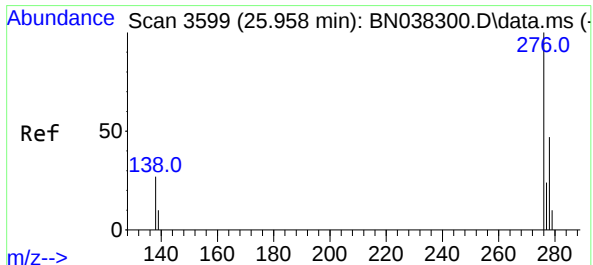
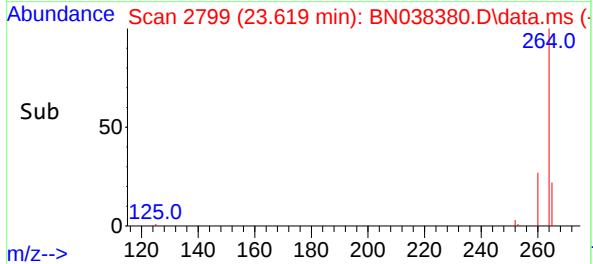
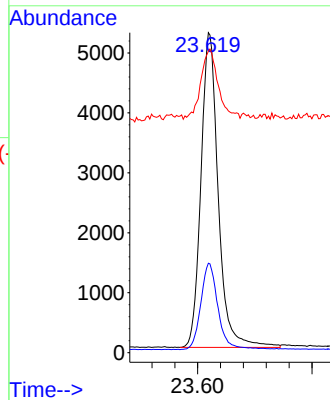


#35  
Perylene-d12  
Concen: 0.400 ng  
RT: 23.619 min Scan# 21  
Delta R.T. -0.015 min  
Lab File: BN038380.D  
Acq: 13 Dec 2025 11:03

Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4

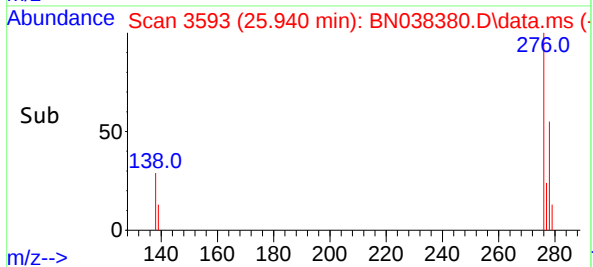
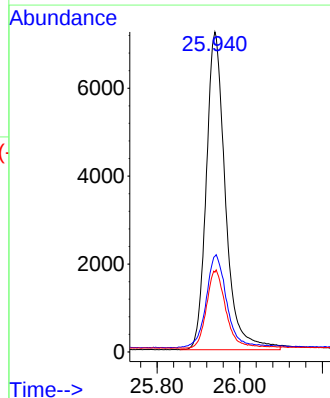
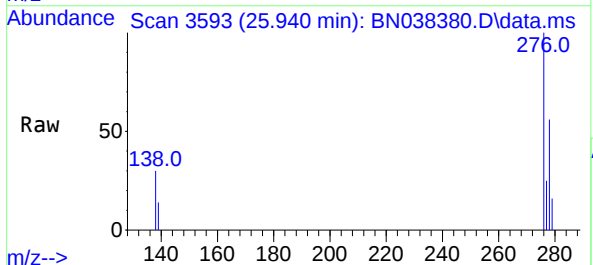


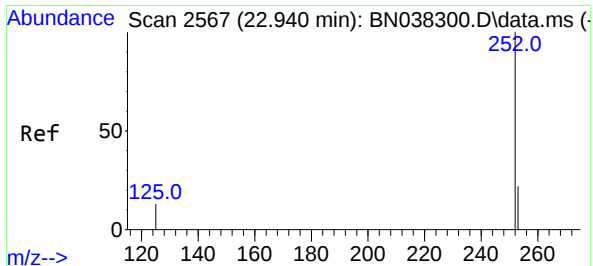
Tgt Ion:264 Resp: 11030  
Ion Ratio Lower Upper  
264 100  
260 28.0 22.2 33.2  
265 94.2 80.2 120.2



#36  
Indeno(1,2,3-cd)pyrene  
Concen: 0.397 ng  
RT: 25.940 min Scan# 3593  
Delta R.T. -0.023 min  
Lab File: BN038380.D  
Acq: 13 Dec 2025 11:03

Tgt Ion:276 Resp: 23216  
Ion Ratio Lower Upper  
276 100  
138 31.2 23.6 35.4  
277 24.6 19.7 29.5





#37

Benzo(b)fluoranthene

Concen: 0.379 ng

RT: 22.929 min Scan# 2563

Delta R.T. -0.018 min

Lab File: BN038380.D

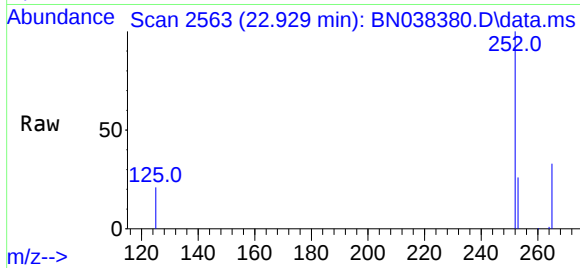
Acq: 13 Dec 2025 11:03

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4



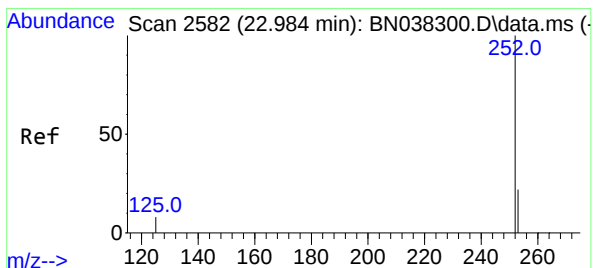
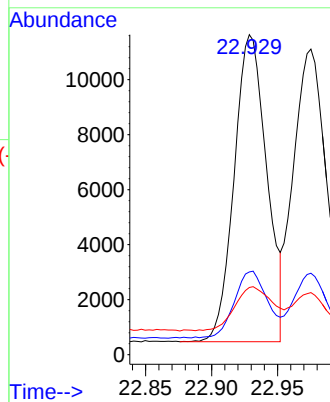
Tgt Ion:252 Resp: 19179

Ion Ratio Lower Upper

252 100

253 25.9 21.1 31.7

125 21.0 16.4 24.6



#38

Benzo(k)fluoranthene

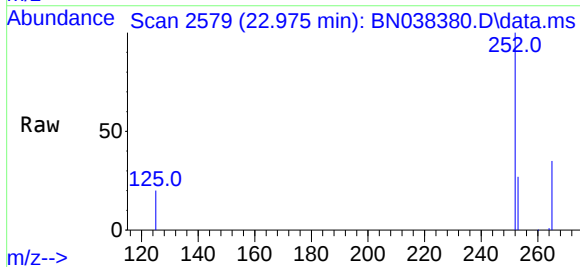
Concen: 0.381 ng

RT: 22.975 min Scan# 2579

Delta R.T. -0.015 min

Lab File: BN038380.D

Acq: 13 Dec 2025 11:03



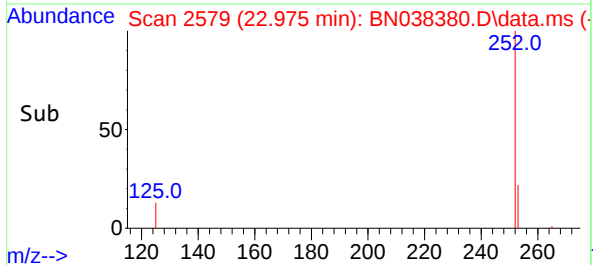
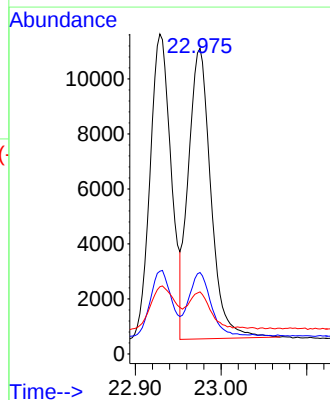
Tgt Ion:252 Resp: 19259

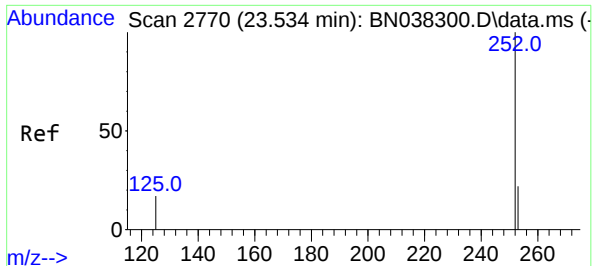
Ion Ratio Lower Upper

252 100

253 26.7 21.4 32.0

125 20.3 16.2 24.2





#39

Benzo(a)pyrene

Concen: 0.383 ng

RT: 23.519 min Scan# 21

Delta R.T. -0.015 min

Lab File: BN038380.D

Acq: 13 Dec 2025 11:03

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4

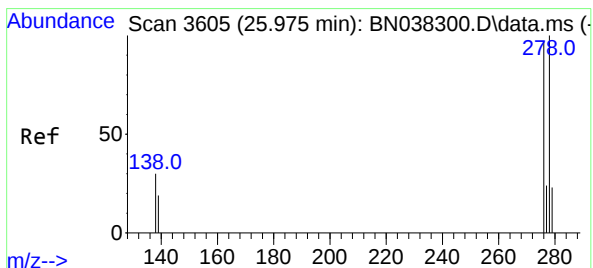
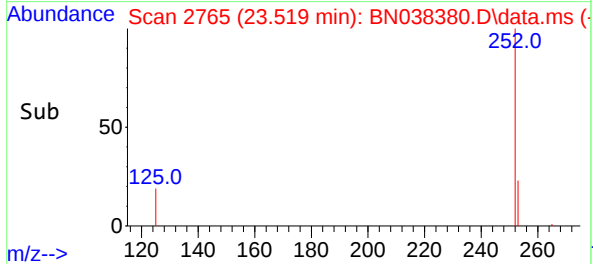
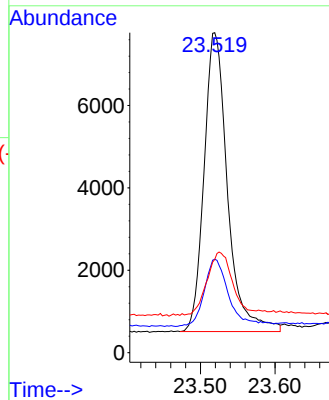
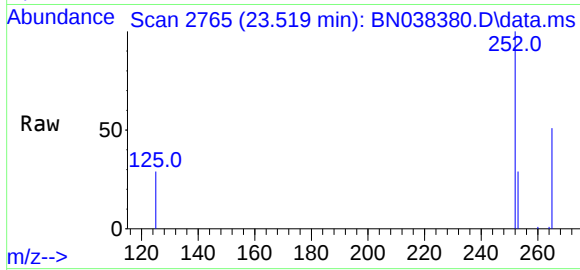
Tgt Ion:252 Resp: 15860

Ion Ratio Lower Upper

252 100

253 29.2 23.3 34.9

125 29.2 22.4 33.6



#40

Dibenzo(a,h)anthracene

Concen: 0.396 ng

RT: 25.958 min Scan# 3599

Delta R.T. -0.023 min

Lab File: BN038380.D

Acq: 13 Dec 2025 11:03

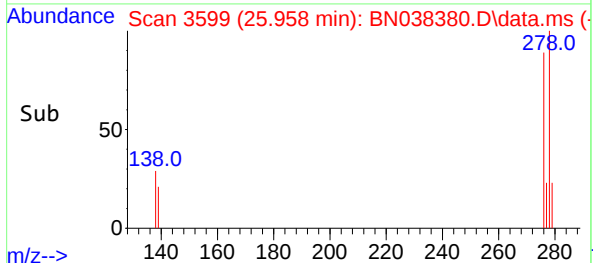
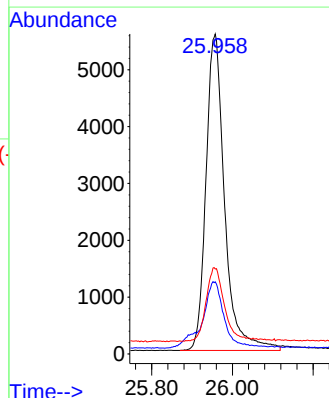
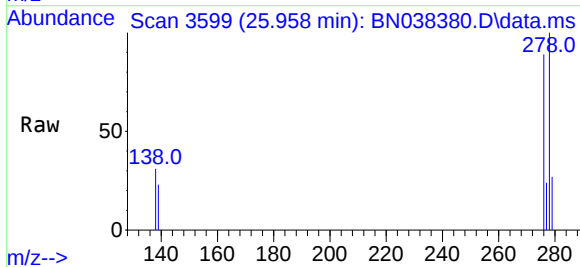
Tgt Ion:278 Resp: 17888

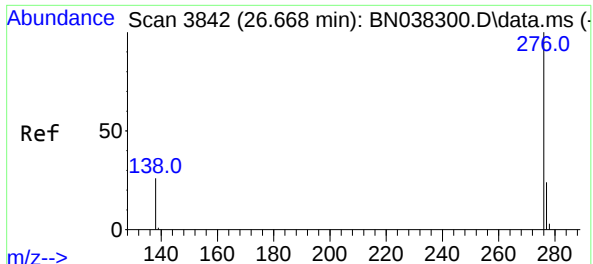
Ion Ratio Lower Upper

278 100

139 22.6 17.8 26.8

279 26.5 21.3 31.9

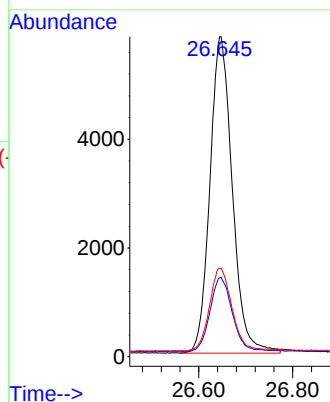




#41  
Benzo(g,h,i)perylene  
Concen: 0.383 ng  
RT: 26.645 min Scan# 31  
Delta R.T. -0.032 min  
Lab File: BN038380.D  
Acq: 13 Dec 2025 11:03

Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4

| Tgt Ion   | 276   | 277  | 138  |
|-----------|-------|------|------|
| Resp:     | 19297 |      |      |
| Ion Ratio | 100   | 24.6 | 27.5 |
| Lower     |       | 20.0 | 21.8 |
| Upper     |       | 30.0 | 32.6 |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN121225\  
 Data File : BN038380.D  
 Acq On : 13 Dec 2025 11:03  
 Operator : RC/JU  
 Sample : SSTDCCC0.4  
 Misc :  
 ALS Vial : 38 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 LabSampleId :  
 SSTDCCC0.4

Quant Time: Dec 14 22:22:13 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN121025.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 10 13:56:50 2025  
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 25% Max. Rel. Area : 150%

|         | Compound                   | AvgRF | CCRF  | %Dev  | Area% | Dev(min) |
|---------|----------------------------|-------|-------|-------|-------|----------|
| 1 I     | 1,4-Dichlorobenzene-d4     | 1.000 | 1.000 | 0.0   | 90    | 0.00     |
| 2       | 1,4-Dioxane                | 0.459 | 0.461 | -0.4  | 89    | 0.00     |
| 3       | n-Nitrosodimethylamine     | 0.575 | 0.586 | -1.9  | 92    | 0.00     |
| 4 S     | 2-Fluorophenol             | 0.996 | 0.925 | 7.1   | 84    | 0.00     |
| 5 S     | Phenol-d6                  | 1.184 | 1.111 | 6.2   | 87    | 0.00     |
| 6       | bis(2-Chloroethyl)ether    | 1.158 | 1.152 | 0.5   | 89    | 0.00     |
| 7 I     | Naphthalene-d8             | 1.000 | 1.000 | 0.0   | 90    | -0.01    |
| 8 S     | Nitrobenzene-d5            | 0.337 | 0.328 | 2.7   | 90    | -0.01    |
| 9       | Naphthalene                | 1.182 | 1.187 | -0.4  | 91    | -0.01    |
| 10      | Hexachlorobutadiene        | 0.210 | 0.210 | 0.0   | 90    | -0.01    |
| 11 SURR | 2-Methylnaphthalene-d10    | 0.564 | 0.556 | 1.4   | 91    | 0.00     |
| 12      | 2-Methylnaphthalene        | 0.751 | 0.738 | 1.7   | 91    | -0.01    |
| 13 I    | Acenaphthene-d10           | 1.000 | 1.000 | 0.0   | 94    | -0.01    |
| 14 S    | 2,4,6-Tribromophenol       | 0.177 | 0.149 | 15.8  | 83    | -0.01    |
| 15 S    | 2-Fluorobiphenyl           | 1.927 | 2.161 | -12.1 | 102   | 0.00     |
| 16      | Acenaphthylene             | 1.964 | 1.881 | 4.2   | 92    | -0.01    |
| 17      | Acenaphthene               | 1.369 | 1.310 | 4.3   | 91    | -0.01    |
| 18      | Fluorene                   | 1.761 | 1.679 | 4.7   | 92    | -0.01    |
| 19 I    | Phenanthrene-d10           | 1.000 | 1.000 | 0.0   | 92    | -0.01    |
| 20      | 4,6-Dinitro-2-methylphenol | 0.066 | 0.037 | 43.9# | 59    | 0.00     |
| 21      | 4-Bromophenyl-phenylether  | 0.297 | 0.285 | 4.0   | 91    | 0.00     |
| 22      | Hexachlorobenzene          | 0.357 | 0.360 | -0.8  | 95    | -0.01    |
| 23      | Atrazine                   | 0.202 | 0.185 | 8.4   | 90    | 0.00     |
| 24      | Pentachlorophenol          | 0.139 | 0.113 | 18.7  | 86    | 0.00     |
| 25      | Phenanthrene               | 1.392 | 1.365 | 1.9   | 92    | 0.00     |
| 26      | Anthracene                 | 1.200 | 1.147 | 4.4   | 92    | -0.01    |
| 27 SURR | Fluoranthene-d10           | 0.989 | 0.972 | 1.7   | 91    | 0.00     |
| 28      | Fluoranthene               | 1.480 | 1.449 | 2.1   | 91    | -0.01    |
| 29 I    | Chrysene-d12               | 1.000 | 1.000 | 0.0   | 92    | 0.00     |
| 30      | Pyrene                     | 1.969 | 1.872 | 4.9   | 90    | 0.00     |
| 31 S    | Terphenyl-d14              | 0.893 | 0.865 | 3.1   | 90    | 0.00     |
| 32      | Benzo(a)anthracene         | 1.545 | 1.529 | 1.0   | 95    | 0.00     |
| 33      | Chrysene                   | 1.701 | 1.698 | 0.2   | 91    | 0.00     |
| 34      | Bis(2-ethylhexyl)phthalate | 0.848 | 0.777 | 8.4   | 85    | 0.00     |
| 35 I    | Perylene-d12               | 1.000 | 1.000 | 0.0   | 96    | -0.01    |
| 36      | Indeno(1,2,3-cd)pyrene     | 2.123 | 2.105 | 0.8   | 95    | -0.02    |
| 37      | Benzo(b)fluoranthene       | 1.837 | 1.739 | 5.3   | 93    | -0.02    |
| 38      | Benzo(k)fluoranthene       | 1.832 | 1.746 | 4.7   | 93    | -0.01    |
| 39 C    | Benzo(a)pyrene             | 1.503 | 1.438 | 4.3   | 94    | -0.01    |
| 40      | Dibenzo(a,h)anthracene     | 1.637 | 1.622 | 0.9   | 96    | -0.02    |
| 41      | Benzo(g,h,i)perylene       | 1.829 | 1.750 | 4.3   | 92    | -0.03    |

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

**Instrument :**

BNA\_N

**LabSampleId :**

SSTDCCC0.4

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN121225\  
 Data File : BN038380.D  
 Acq On : 13 Dec 2025 11:03  
 Operator : RC/JU  
 Sample : SSTDCCC0.4  
 Misc :  
 ALS Vial : 38 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 LabSampleId :  
 SSTDCCC0.4

Quant Time: Dec 14 22:22:13 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN121025.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 10 13:56:50 2025  
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 25% Max. Rel. Area : 150%

|         | Compound                   | Amount | Calc. | %Dev  | Area% | Dev(min) |
|---------|----------------------------|--------|-------|-------|-------|----------|
| 1 I     | 1,4-Dichlorobenzene-d4     | 0.400  | 0.400 | 0.0   | 90    | 0.00     |
| 2       | 1,4-Dioxane                | 0.400  | 0.402 | -0.5  | 89    | 0.00     |
| 3       | n-Nitrosodimethylamine     | 0.400  | 0.407 | -1.7  | 92    | 0.00     |
| 4 S     | 2-Fluorophenol             | 0.400  | 0.371 | 7.3   | 84    | 0.00     |
| 5 S     | Phenol-d6                  | 0.400  | 0.375 | 6.3   | 87    | 0.00     |
| 6       | bis(2-Chloroethyl)ether    | 0.400  | 0.398 | 0.5   | 89    | 0.00     |
| 7 I     | Naphthalene-d8             | 0.400  | 0.400 | 0.0   | 90    | -0.01    |
| 8 S     | Nitrobenzene-d5            | 0.400  | 0.389 | 2.8   | 90    | -0.01    |
| 9       | Naphthalene                | 0.400  | 0.401 | -0.3  | 91    | -0.01    |
| 10      | Hexachlorobutadiene        | 0.400  | 0.401 | -0.3  | 90    | -0.01    |
| 11 SURR | 2-Methylnaphthalene-d10    | 0.400  | 0.394 | 1.5   | 91    | 0.00     |
| 12      | 2-Methylnaphthalene        | 0.400  | 0.393 | 1.8   | 91    | -0.01    |
| 13 I    | Acenaphthene-d10           | 0.400  | 0.400 | 0.0   | 94    | -0.01    |
| 14 S    | 2,4,6-Tribromophenol       | 0.400  | 0.336 | 16.0  | 83    | -0.01    |
| 15 S    | 2-Fluorobiphenyl           | 0.400  | 0.449 | -12.2 | 102   | 0.00     |
| 16      | Acenaphthylene             | 0.400  | 0.383 | 4.3   | 92    | -0.01    |
| 17      | Acenaphthene               | 0.400  | 0.383 | 4.3   | 91    | -0.01    |
| 18      | Fluorene                   | 0.400  | 0.381 | 4.8   | 92    | -0.01    |
| 19 I    | Phenanthrene-d10           | 0.400  | 0.400 | 0.0   | 92    | -0.01    |
| 20      | 4,6-Dinitro-2-methylphenol | 0.400  | 0.222 | 44.5# | 59    | 0.00     |
| 21      | 4-Bromophenyl-phenylether  | 0.400  | 0.385 | 3.8   | 91    | 0.00     |
| 22      | Hexachlorobenzene          | 0.400  | 0.403 | -0.8  | 95    | -0.01    |
| 23      | Atrazine                   | 0.400  | 0.366 | 8.5   | 90    | 0.00     |
| 24      | Pentachlorophenol          | 0.400  | 0.324 | 19.0  | 86    | 0.00     |
| 25      | Phenanthrene               | 0.400  | 0.392 | 2.0   | 92    | 0.00     |
| 26      | Anthracene                 | 0.400  | 0.382 | 4.5   | 92    | -0.01    |
| 27 SURR | Fluoranthene-d10           | 0.400  | 0.393 | 1.8   | 91    | 0.00     |
| 28      | Fluoranthene               | 0.400  | 0.392 | 2.0   | 91    | -0.01    |
| 29 I    | Chrysene-d12               | 0.400  | 0.400 | 0.0   | 92    | 0.00     |
| 30      | Pyrene                     | 0.400  | 0.380 | 5.0   | 90    | 0.00     |
| 31 S    | Terphenyl-d14              | 0.400  | 0.388 | 3.0   | 90    | 0.00     |
| 32      | Benzo(a)anthracene         | 0.400  | 0.396 | 1.0   | 95    | 0.00     |
| 33      | Chrysene                   | 0.400  | 0.399 | 0.3   | 91    | 0.00     |
| 34      | Bis(2-ethylhexyl)phthalate | 0.400  | 0.367 | 8.3   | 85    | 0.00     |
| 35 I    | Perylene-d12               | 0.400  | 0.400 | 0.0   | 96    | -0.01    |
| 36      | Indeno(1,2,3-cd)pyrene     | 0.400  | 0.397 | 0.8   | 95    | -0.02    |
| 37      | Benzo(b)fluoranthene       | 0.400  | 0.379 | 5.3   | 93    | -0.02    |
| 38      | Benzo(k)fluoranthene       | 0.400  | 0.381 | 4.8   | 93    | -0.01    |
| 39 C    | Benzo(a)pyrene             | 0.400  | 0.383 | 4.3   | 94    | -0.01    |
| 40      | Dibenzo(a,h)anthracene     | 0.400  | 0.396 | 1.0   | 96    | -0.02    |
| 41      | Benzo(g,h,i)perylene       | 0.400  | 0.383 | 4.3   | 92    | -0.03    |

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

**Instrument :**

BNA\_N

**LabSampleId :**

SSTDCCC0.4



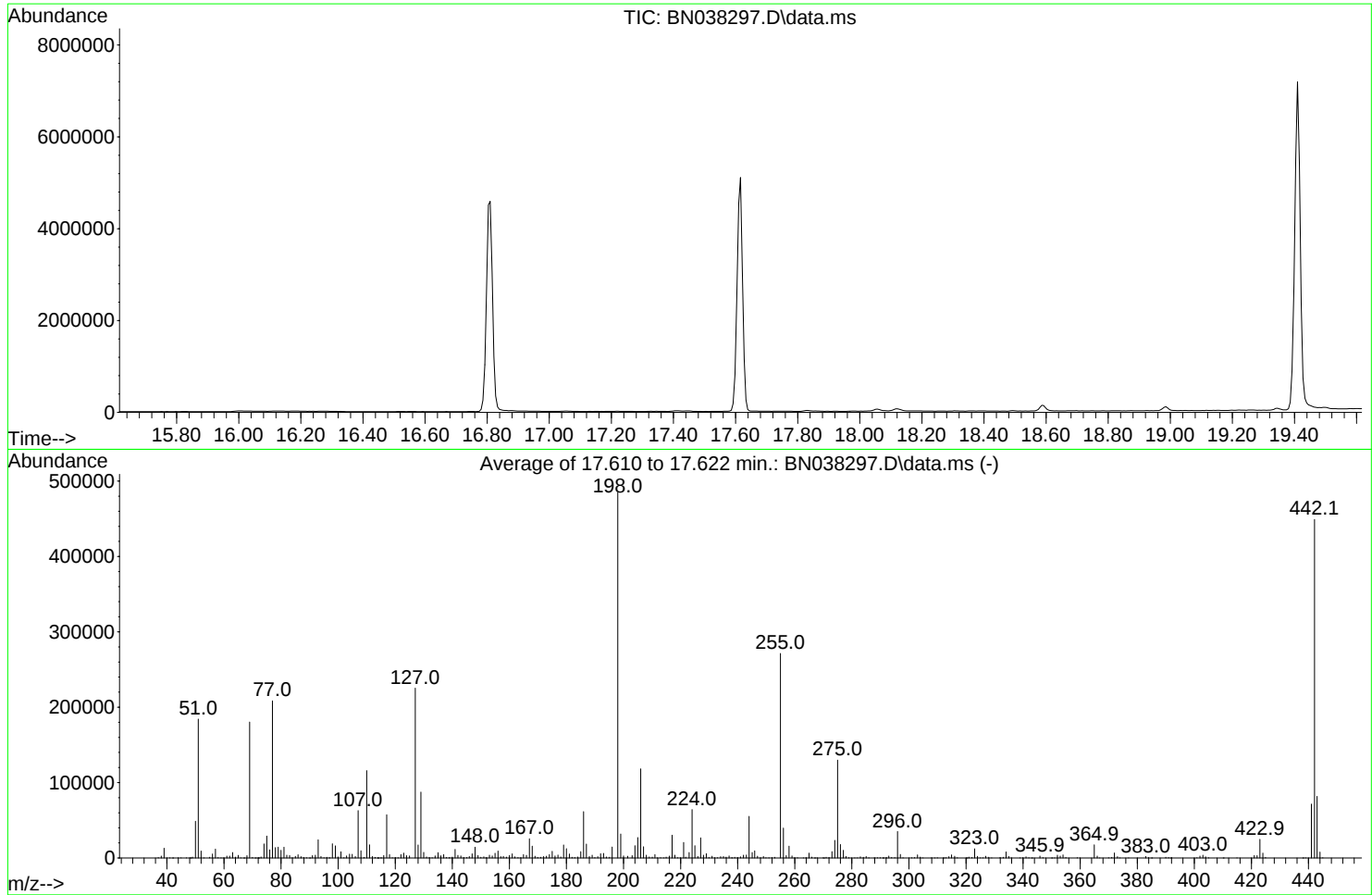
# QC SAMPLE DATA

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN121025\  
Data File : BN038297.D  
Acq On : 10 Dec 2025 09:12  
Operator : RC/JU  
Sample : DFTPP  
Misc :  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN121025.M  
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
Last Update : Wed Dec 10 13:56:50 2025



AutoFind: Scans 2469, 2470, 2471; Background Corrected with Scan 2461

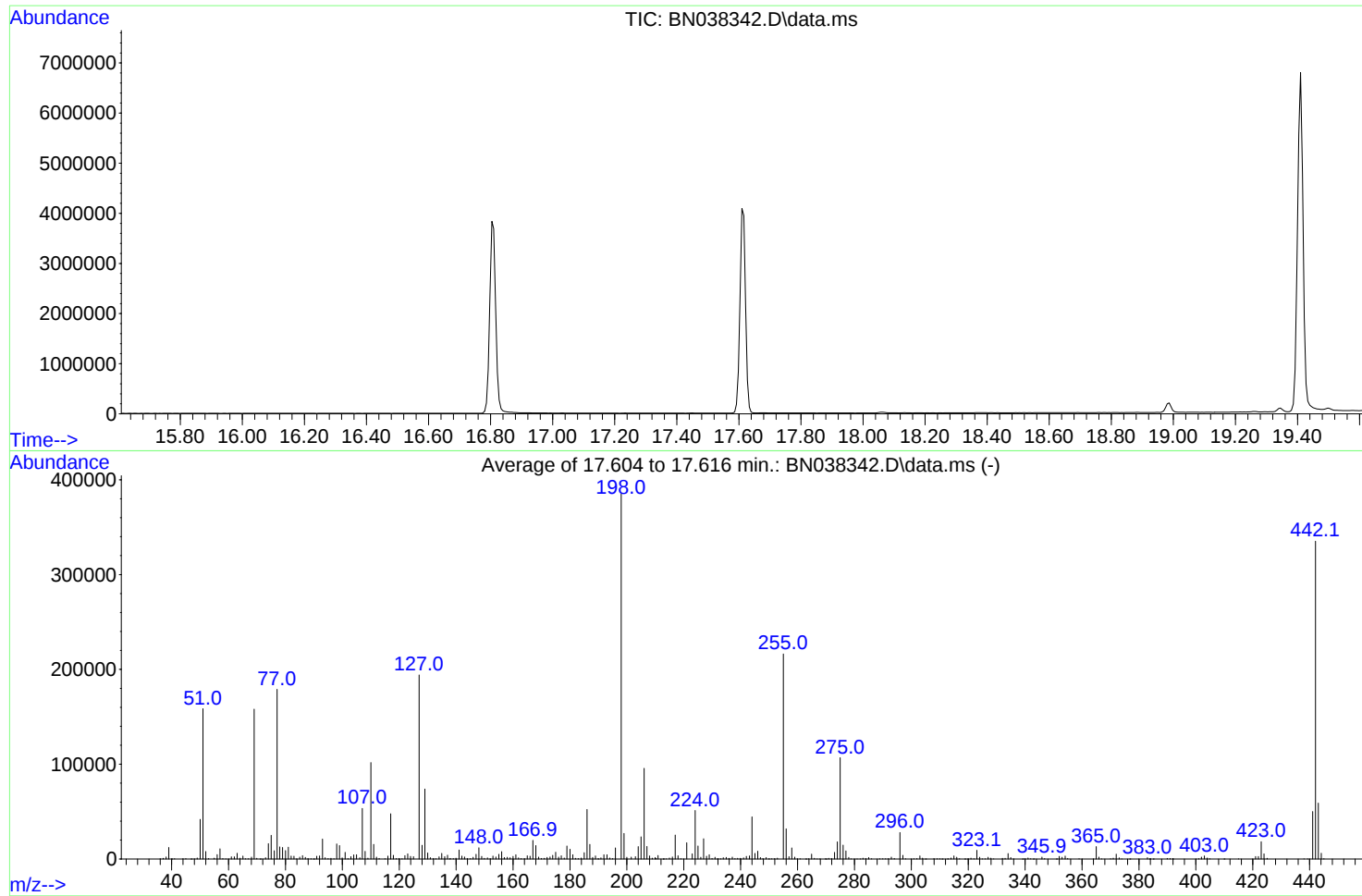
| Target<br>Mass | Rel. to<br>Mass | Lower<br>Limit% | Upper<br>Limit% | Rel.<br>Abn% | Raw<br>Abn | Result<br>Pass/Fail |
|----------------|-----------------|-----------------|-----------------|--------------|------------|---------------------|
| 68             | 69              | 0.00            | 2               | 1.7          | 3142       | PASS                |
| 69             | 69              | 100             | 100             | 100.0        | 180342     | PASS                |
| 70             | 69              | 0.00            | 2               | 0.5          | 866        | PASS                |
| 197            | 198             | 0.00            | 2               | 0.0          | 0          | PASS                |
| 198            | 198             | 100             | 100             | 100.0        | 484821     | PASS                |
| 199            | 198             | 5               | 9               | 6.6          | 31797      | PASS                |
| 365            | 198             | 1               | 100             | 3.6          | 17415      | PASS                |
| 441            | 443             | 0.01            | 150             | 87.6         | 71624      | PASS                |
| 442            | 442             | 100             | 100             | 100.0        | 449131     | PASS                |
| 443            | 442             | 15              | 24              | 18.2         | 81797      | PASS                |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN121225\  
Data File : BN038342.D  
Acq On : 12 Dec 2025 08:45  
Operator : RC/JU  
Sample : DFTPP  
Misc :  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN121025.M  
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
Last Update : Wed Dec 10 13:56:50 2025



AutoFind: Scans 2468, 2469, 2470; Background Corrected with Scan 2461

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|-------------|--------------|--------------|--------------|-----------|---------|------------------|
| 68          | 69           | 0.00         | 2            | 1.3       | 2072    | PASS             |
| 69          | 69           | 100          | 100          | 100.0     | 158144  | PASS             |
| 70          | 69           | 0.00         | 2            | 0.5       | 777     | PASS             |
| 197         | 198          | 0.00         | 2            | 0.0       | 0       | PASS             |
| 198         | 198          | 100          | 100          | 100.0     | 385088  | PASS             |
| 199         | 198          | 5            | 9            | 7.0       | 26973   | PASS             |
| 365         | 198          | 1            | 100          | 3.4       | 13061   | PASS             |
| 441         | 443          | 0.01         | 150          | 85.0      | 50136   | PASS             |
| 442         | 442          | 100          | 100          | 100.0     | 335232  | PASS             |
| 443         | 442          | 15           | 24           | 17.6      | 58984   | PASS             |

### DDT Breakdown

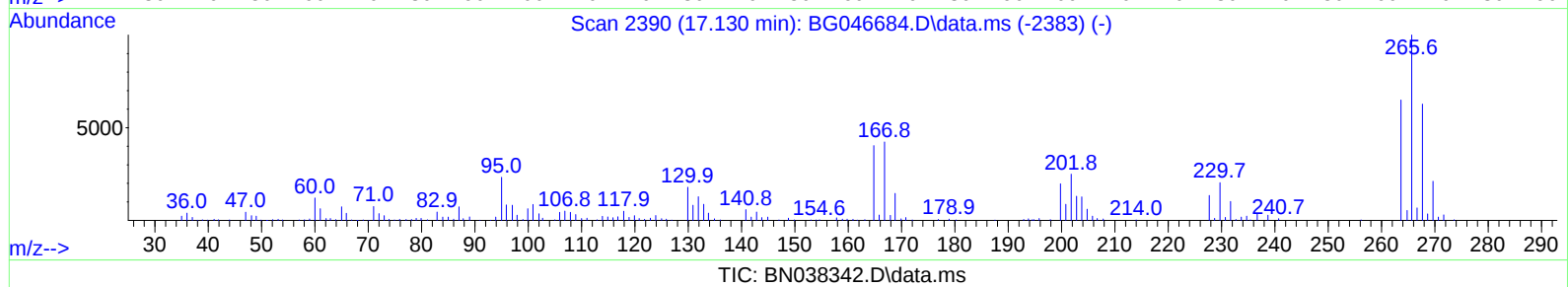
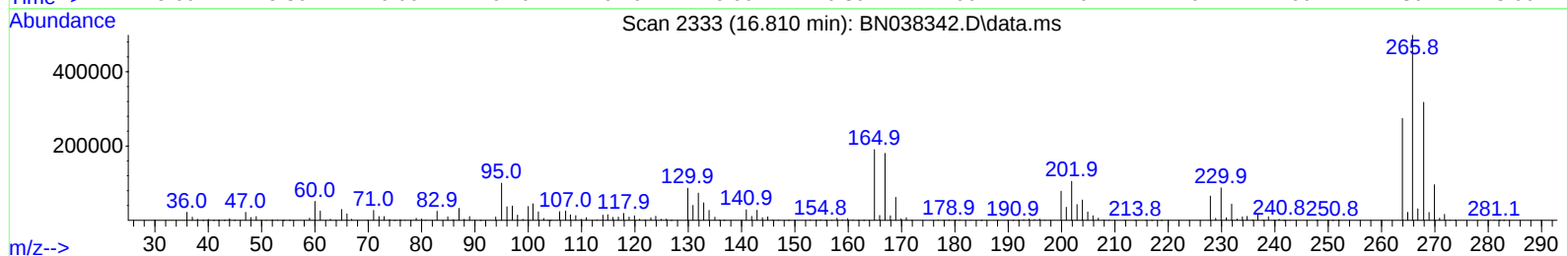
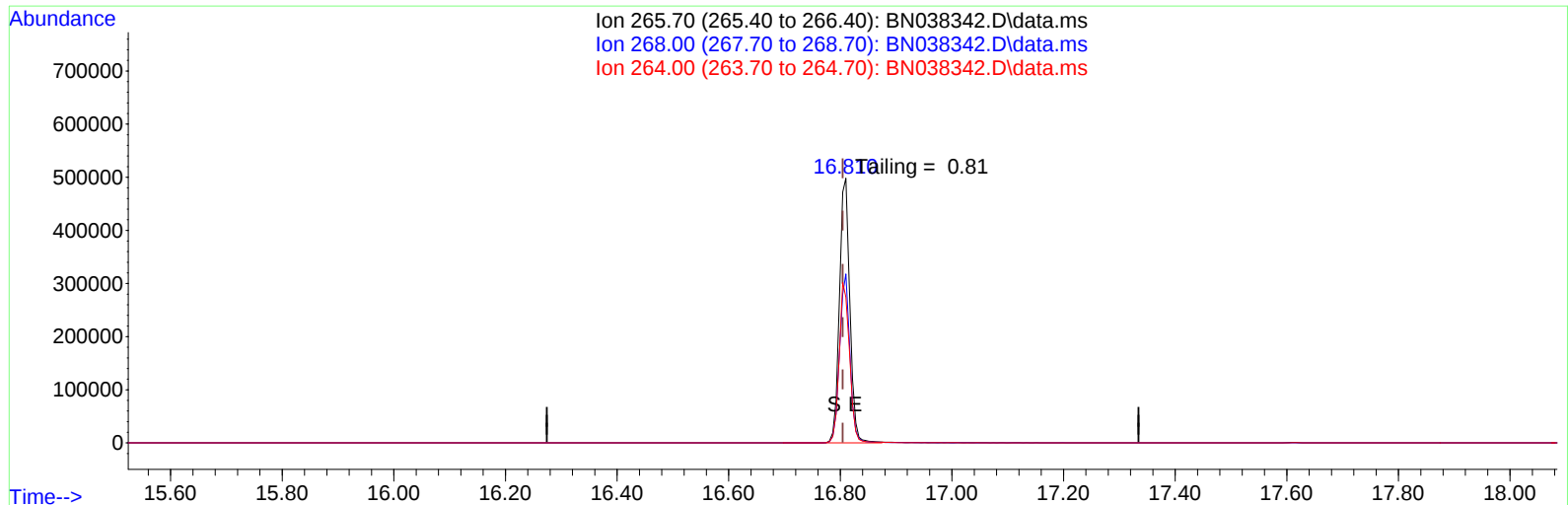
| Date          | Instrument Name  | DFTPP Data File    |
|---------------|------------------|--------------------|
| 12/12/2025    | BNA_N            | <u>BN038342.D</u>  |
|               |                  |                    |
|               |                  |                    |
| Compound Name | Response         | Retention Time     |
|               |                  |                    |
| DDT           | 1615063          | 20.651             |
| DDD           | 69905            | 20.21              |
| DDE           | 2480             | 19.704             |
|               |                  |                    |
|               |                  |                    |
| SUM(DDD+DDE)  | SUM(DDT+DDD+DDE) | % Breakdown Of DDT |
|               |                  |                    |
| 72385         | 1687448          | 4.29               |
|               |                  |                    |

Instrument :  
BNA\_N  
ClientSampleId :  
DFTPP

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN121225\  
Data File : BN038342.D  
Acq On : 12 Dec 2025 08:45  
Operator : RC/JU  
Sample : DFTPP  
Misc :  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
DFTPP

Quant Time: Dec 12 10:08:50 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270E-Tune.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Dec 12 03:10:04 2025  
Response via : Initial Calibration



**(70) Pentachlorophenol (C)**

16.810min (+ 0.006) 224665.32 ng

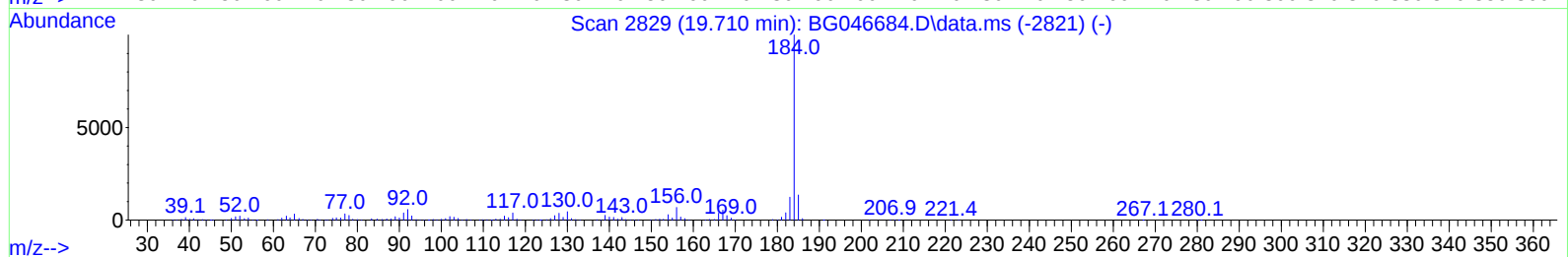
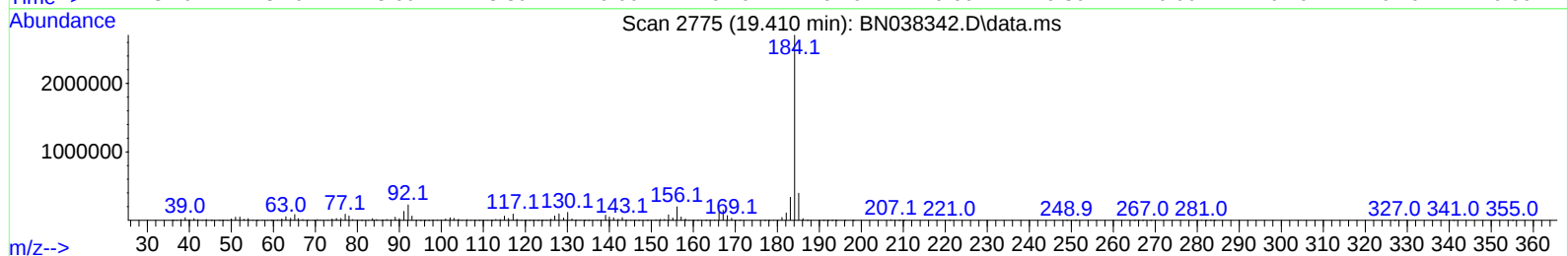
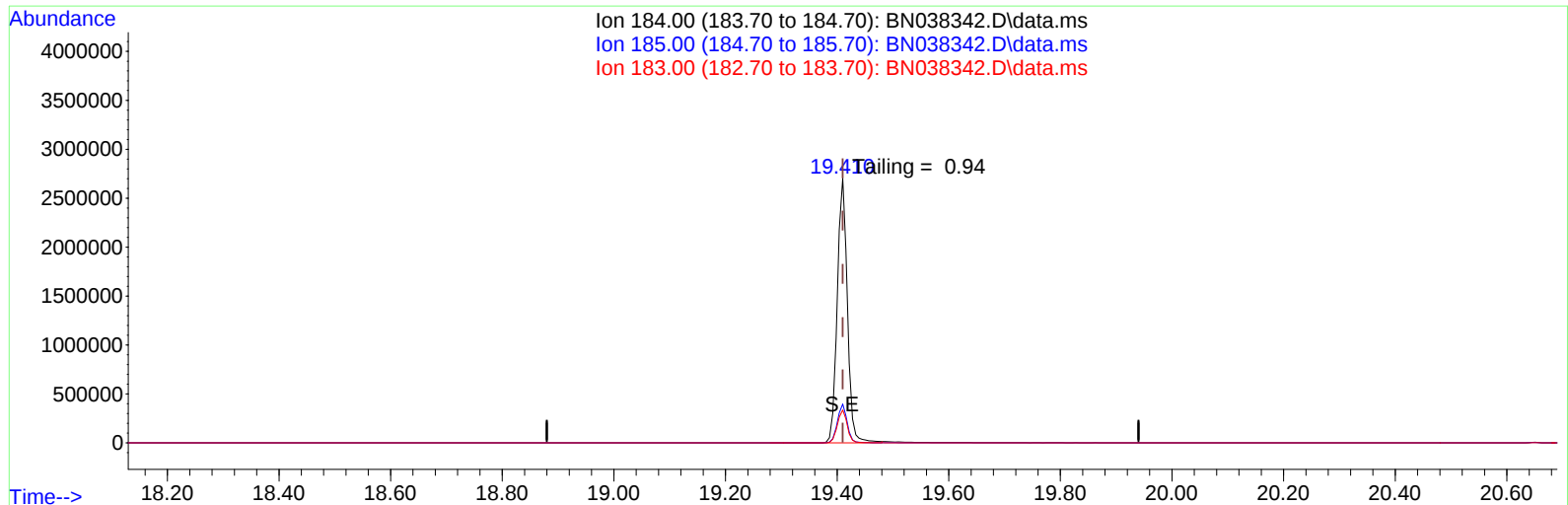
response 648827

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 265.70 | 100.00 | 100.00 |
| 268.00 | 62.20  | 63.78  |
| 264.00 | 61.60  | 55.06  |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN121225\  
Data File : BN038342.D  
Acq On : 12 Dec 2025 08:45  
Operator : RC/JU  
Sample : DFTPP  
Misc :  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
DFTPP

Quant Time: Dec 12 10:08:50 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270E-Tune.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Dec 12 03:10:04 2025  
Response via : Initial Calibration



TIC: BN038342.D\data.ms

**(77) Benzdine****19.410min ( 0.000) 4688.42 ng m****response 3400755**

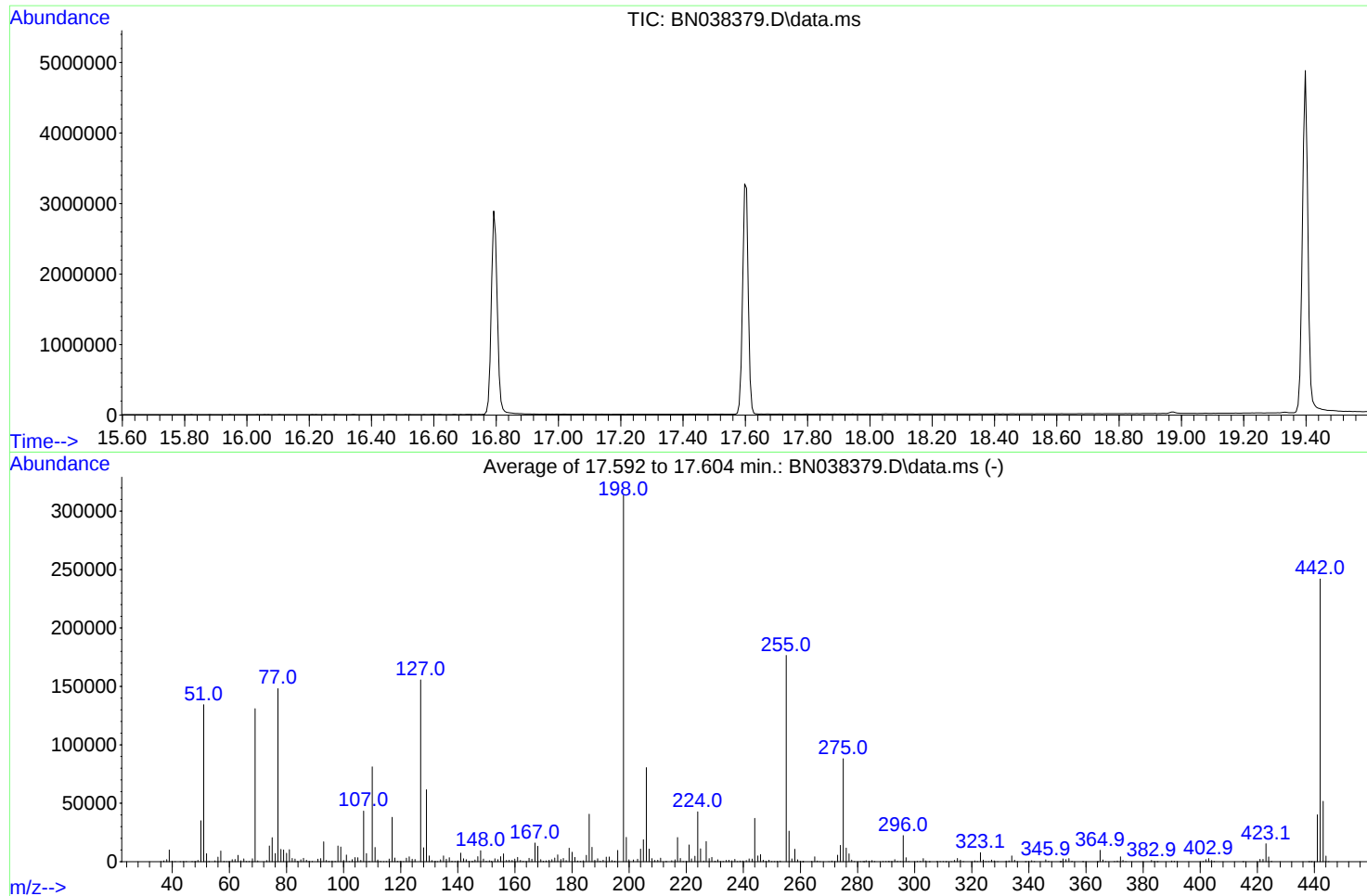
| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 184.00 | 100.00 | 100.00 |
| 185.00 | 15.50  | 14.67  |
| 183.00 | 13.20  | 12.40  |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN121225\  
Data File : BN038379.D  
Acq On : 13 Dec 2025 10:24  
Operator : RC/JU  
Sample : DFTPP  
Misc :  
ALS Vial : 37 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN121025.M  
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
Last Update : Wed Dec 10 13:56:50 2025



AutoFind: Scans 2466, 2467, 2468; Background Corrected with Scan 2459

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|-------------|--------------|--------------|--------------|-----------|---------|------------------|
| 68          | 69           | 0.00         | 2            | 1.9       | 2551    | PASS             |
| 69          | 69           | 100          | 100          | 100.0     | 130904  | PASS             |
| 70          | 69           | 0.00         | 2            | 0.6       | 765     | PASS             |
| 197         | 198          | 0.00         | 2            | 0.0       | 0       | PASS             |
| 198         | 198          | 100          | 100          | 100.0     | 313429  | PASS             |
| 199         | 198          | 5            | 9            | 6.7       | 20870   | PASS             |
| 365         | 198          | 1            | 100          | 3.1       | 9849    | PASS             |
| 441         | 443          | 0.01         | 150          | 77.8      | 40200   | PASS             |
| 442         | 442          | 100          | 100          | 100.0     | 241947  | PASS             |
| 443         | 442          | 15           | 24           | 21.4      | 51701   | PASS             |

### DDT Breakdown

| Date          | Instrument Name  | DFTPP Data File    |
|---------------|------------------|--------------------|
| 12/12/2025    | BNA_N            | <u>BN038379.D</u>  |
|               |                  |                    |
|               |                  |                    |
| Compound Name | Response         | Retention Time     |
|               |                  |                    |
| DDT           | 1156836          | 20.639             |
| DDD           | 48129            | 20.198             |
| DDE           | 1489             | 19.692             |
|               |                  |                    |
|               |                  |                    |
| SUM(DDD+DDE)  | SUM(DDT+DDD+DDE) | % Breakdown Of DDT |
|               |                  |                    |
| 49618         | 1206454          | 4.11               |
|               |                  |                    |

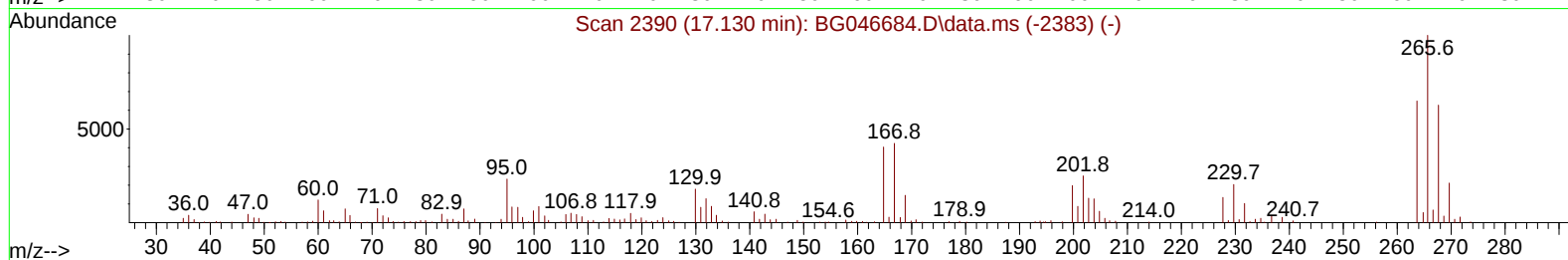
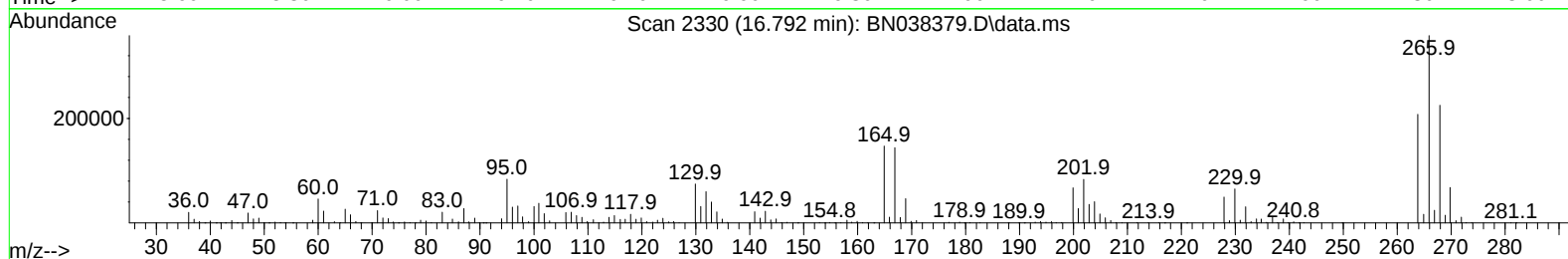
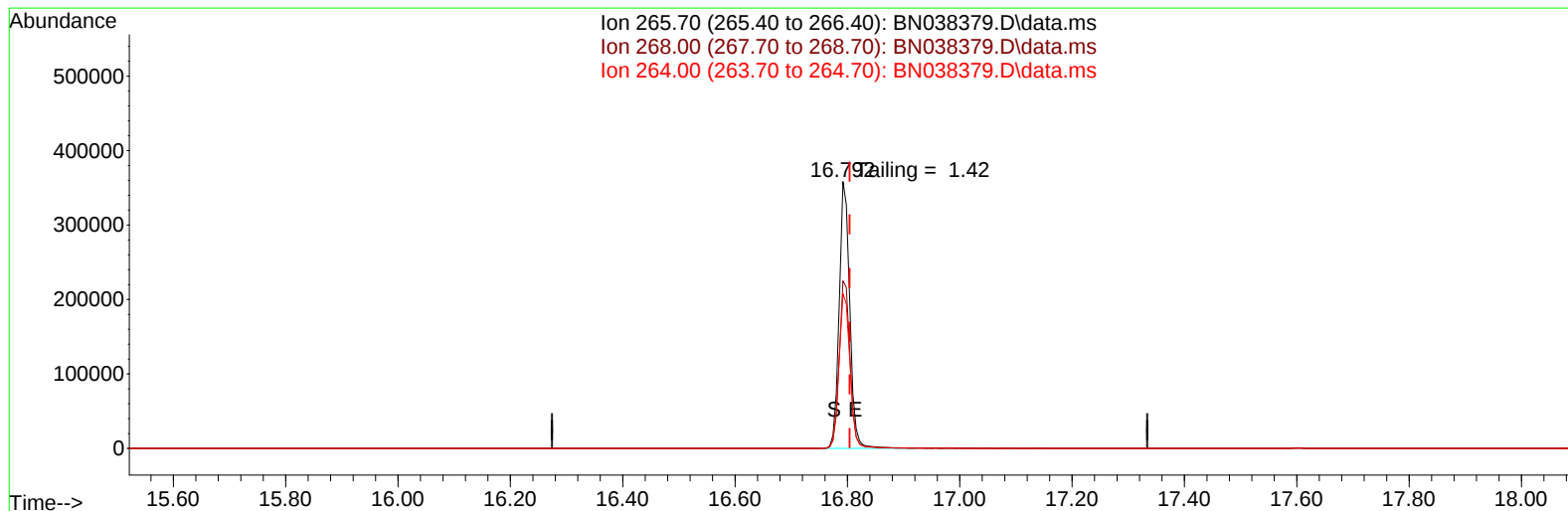
S

Instrument :  
BNA\_N  
ClientSampleId :  
DFTPP

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN121225\  
Data File : BN038379.D  
Acq On : 13 Dec 2025 10:24  
Operator : RC/JU  
Sample : DFTPP  
Misc :  
ALS Vial : 37 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
DFTPP

Quant Time: Dec 15 08:16:19 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270E-Tune.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Dec 12 03:10:04 2025  
Response via : Initial Calibration



TIC: BN038379.D\data.ms

**(70) Pentachlorophenol (C)**

16.792min (-0.012) 205733.08 ng

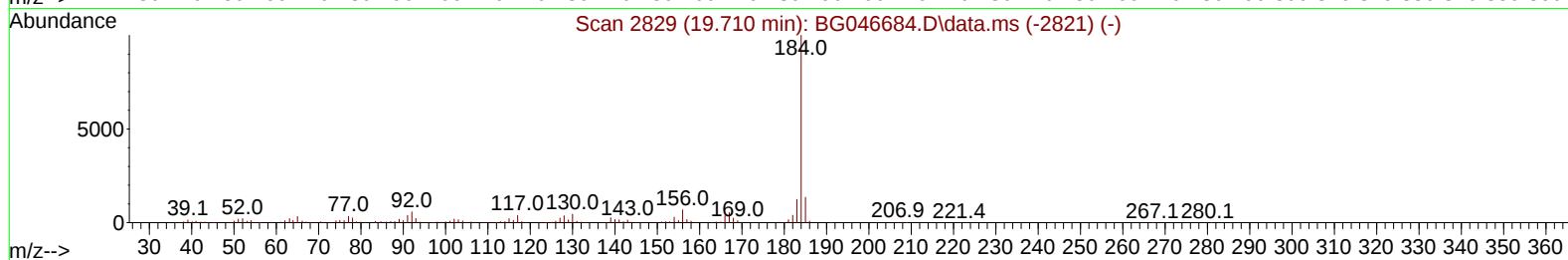
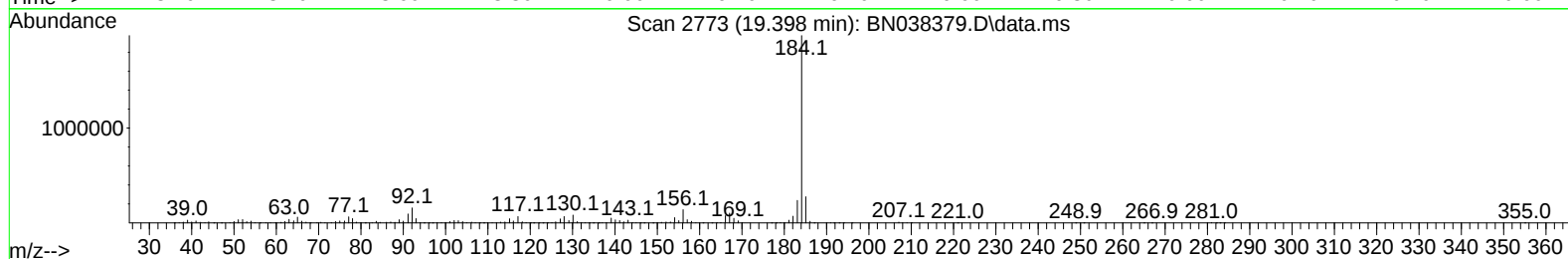
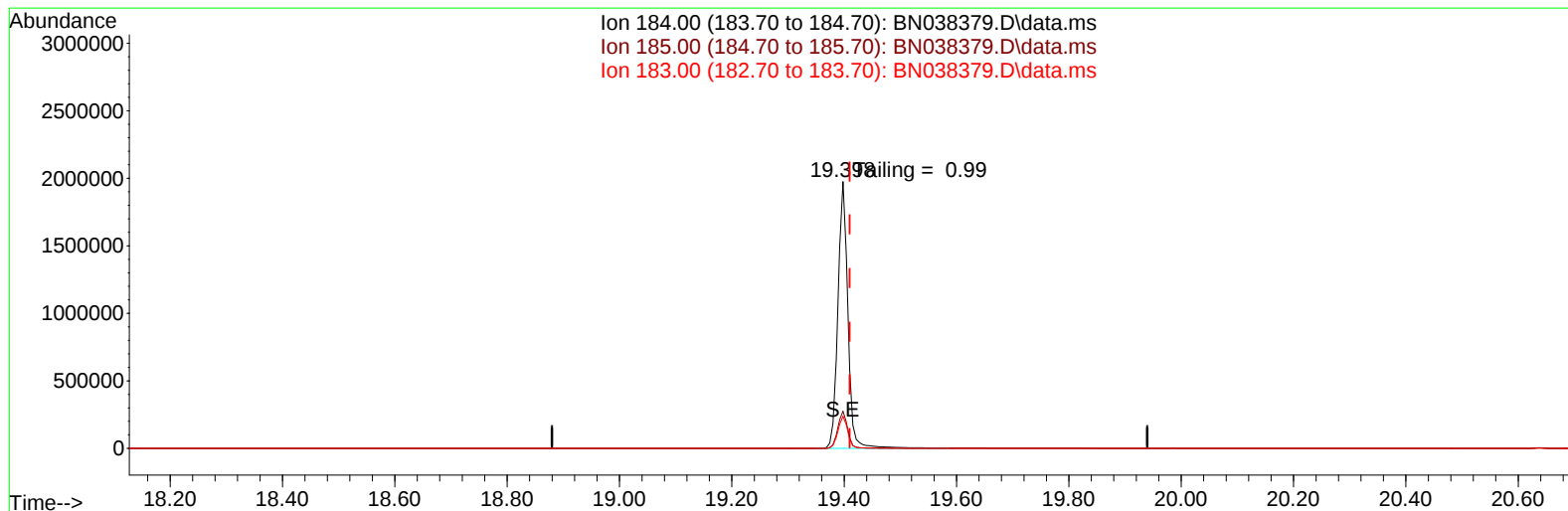
response 468217

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 265.70 | 100.00 | 100.00 |
| 268.00 | 62.20  | 62.80  |
| 264.00 | 61.60  | 57.96  |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN121225\  
Data File : BN038379.D  
Acq On : 13 Dec 2025 10:24  
Operator : RC/JU  
Sample : DFTPP  
Misc :  
ALS Vial : 37 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
DFTPP

Quant Time: Dec 15 08:16:19 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270E-Tune.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Dec 12 03:10:04 2025  
Response via : Initial Calibration



TIC: BN038379.D\data.ms

**(77) Benzidine****19.398min (-0.012) 4902.30 ng****response 2430839**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 184.00 | 100.00 | 100.00 |
| 185.00 | 15.50  | 13.98  |
| 183.00 | 13.20  | 12.03  |
| 0.00   | 0.00   | 0.00   |



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

## Report of Analysis

|                    |                                           |                 |                |
|--------------------|-------------------------------------------|-----------------|----------------|
| Client:            | JACOBS Engineering Group, Inc.            | Date Collected: |                |
| Project:           | Former Schlumberger STC PTC Site D3868221 | Date Received:  |                |
| Client Sample ID:  | PB170912BL                                | SDG No.:        | Q3828          |
| Lab Sample ID:     | PB170912BL                                | Matrix:         | Water          |
| Analytical Method: | SW8270ESIM                                | % Solid:        | 0              |
| Sample Wt/Vol:     | 1000 mL                                   | Test:           | SVOC-SIMGroup1 |
| Prep Method :      | 3510C                                     |                 |                |
|                    | Level: LOW                                |                 |                |
|                    | Final Vol: 1000 uL                        |                 |                |
|                    | Prep Date: 12/11/25                       |                 |                |

| CAS Number                | Parameter               | Conc.             | Qua. | DF | MDL                 | LOQ / CRQL | Units    | Date Ana.      | Prep BatchID |
|---------------------------|-------------------------|-------------------|------|----|---------------------|------------|----------|----------------|--------------|
| <b>TARGETS</b>            |                         |                   |      |    |                     |            |          |                |              |
| 123-91-1                  | 1,4-Dioxane             | 0.070             | U    | 1  | 0.070               | 0.20       | ug/L     | 12/12/25 10:00 | PB170912     |
| <b>SURROGATES</b>         |                         |                   |      |    |                     |            |          |                |              |
| 7297-45-2                 | 2-Methylnaphthalene-d10 | 0.36              |      |    | 30 (47) - 150 (106) | 90%        | SPK: 0.4 |                |              |
| 93951-69-0                | Fluoranthene-d10        | 0.34              |      |    | 30 (54) - 150 (157) | 86%        | SPK: 0.4 |                |              |
| 4165-60-0                 | Nitrobenzene-d5         | 0.39              |      |    | 30 (56) - 130 (116) | 98%        | SPK: 0.4 |                |              |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.38              |      |    | 30 (50) - 130 (126) | 96%        | SPK: 0.4 |                |              |
| 1718-51-0                 | Terphenyl-d14           | 0.43              |      |    | 30 (54) - 130 (175) | 107%       | SPK: 0.4 |                |              |
| <b>INTERNAL STANDARDS</b> |                         |                   |      |    |                     |            |          |                |              |
|                           |                         | <b>Area Count</b> |      |    |                     |            |          |                |              |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 6580              |      |    |                     |            |          |                |              |
| 1146-65-2                 | Naphthalene-d8          | 16800             |      |    |                     |            |          |                |              |
| 15067-26-2                | Acenaphthene-d10        | 8050              |      |    |                     |            |          |                |              |
| 1517-22-2                 | Phenanthrene-d10        | 12800             |      |    |                     |            |          |                |              |
| 1719-03-5                 | Chrysene-d12            | 8610              |      |    |                     |            |          |                |              |
| 1520-96-3                 | Perylene-d12            | 9320              |      |    |                     |            |          |                |              |

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\_N\Data\BN121225\  
 Data File : BN038344.D  
 Acq On : 12 Dec 2025 10:00  
 Operator : RC/JU  
 Sample : PB170912BL  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 PB170912BL

Quant Time: Dec 12 10:25:30 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN121025.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 10 13:56:50 2025  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|--------|------|----------|-------|-------|----------|
| -----                       |        |      |          |       |       |          |
| Internal Standards          |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.717  | 152  | 6576     | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8           | 10.520 | 136  | 16790    | 0.400 | ng    | #-0.01   |
| 13) Acenaphthene-d10        | 14.388 | 164  | 8053     | 0.400 | ng    | -0.01    |
| 19) Phenanthrene-d10        | 17.149 | 188  | 12820    | 0.400 | ng    | 0.00     |
| 29) Chrysene-d12            | 21.340 | 240  | 8612     | 0.400 | ng    | 0.00     |
| 35) Perylene-d12            | 23.630 | 264  | 9324     | 0.400 | ng    | 0.00     |
|                             |        |      |          |       |       |          |
| System Monitoring Compounds |        |      |          |       |       |          |
| 4) 2-Fluorophenol           | 5.291  | 112  | 6016     | 0.367 | ng    | 0.00     |
| 5) Phenol-d6                | 6.887  | 99   | 6712     | 0.345 | ng    | 0.00     |
| 8) Nitrobenzene-d5          | 8.875  | 82   | 5576     | 0.394 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10 | 12.126 | 152  | 8585     | 0.362 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol    | 15.895 | 330  | 451      | 0.126 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl        | 13.008 | 172  | 14887    | 0.384 | ng    | 0.00     |
| 27) Fluoranthene-d10        | 19.183 | 212  | 10905    | 0.344 | ng    | 0.00     |
| 31) Terphenyl-d14           | 19.787 | 244  | 8247     | 0.429 | ng    | 0.00     |

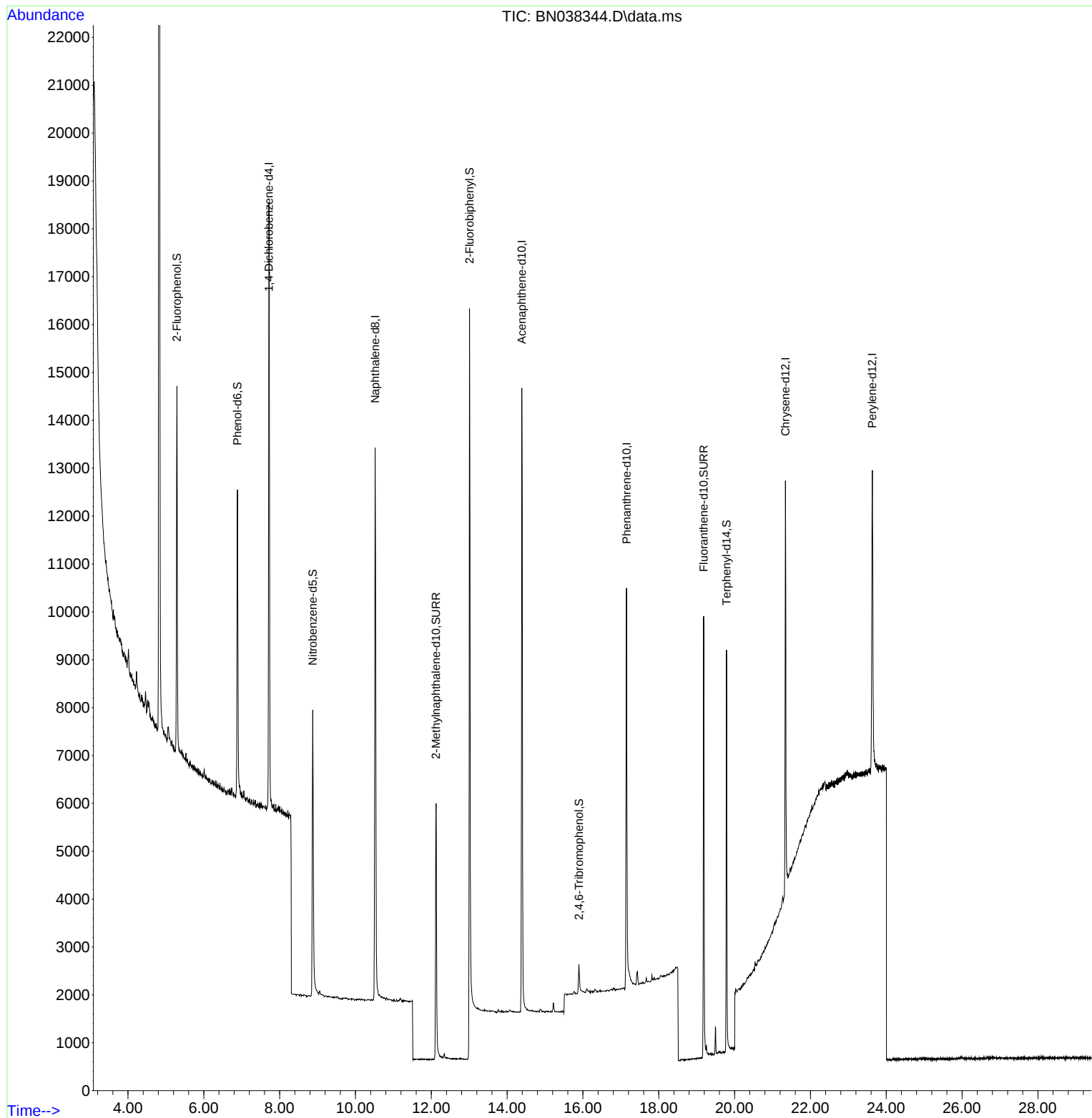
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

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

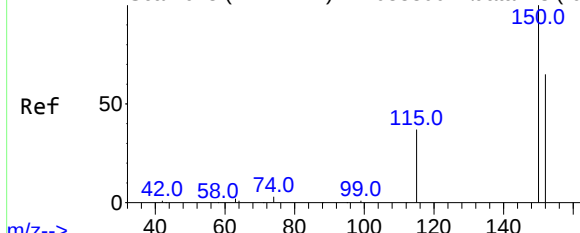
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN121225\  
Data File : BN038344.D  
Acq On : 12 Dec 2025 10:00  
Operator : RC/JU  
Sample : PB170912BL  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
PB170912BL

Quant Time: Dec 12 10:25:30 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN121025.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Dec 10 13:56:50 2025  
Response via : Initial Calibration



Abundance Scan 643 (7.724 min): BN038300.D\data.ms (-63



#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.717 min Scan# 64

Delta R.T. -0.007 min

Lab File: BN038344.D

Acq: 12 Dec 2025 10:00

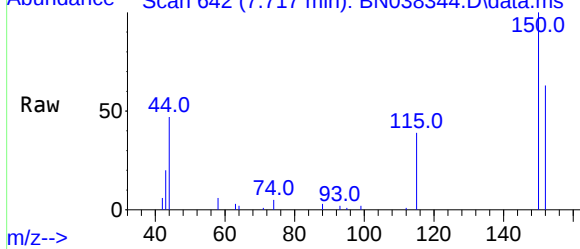
Instrument :

BNA\_N

ClientSampleId :

PB170912BL

m/z--&gt; Abundance Scan 642 (7.717 min): BN038344.D\data.ms



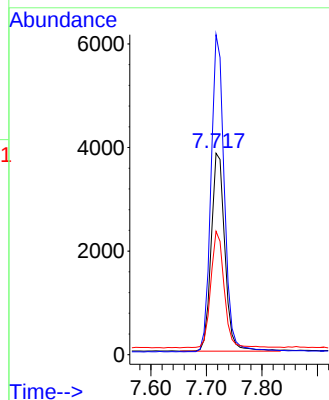
Tgt Ion:152 Resp: 6576

Ion Ratio Lower Upper

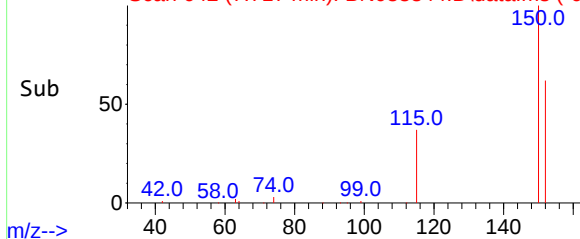
152 100

150 158.9 122.4 183.6

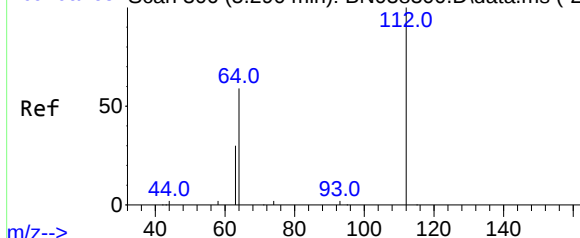
115 61.3 47.3 70.9



Abundance Scan 642 (7.717 min): BN038344.D\data.ms (-61



Abundance Scan 306 (5.290 min): BN038300.D\data.ms (-29



#4

2-Fluorophenol

Concen: 0.367 ng

RT: 5.291 min Scan# 306

Delta R.T. 0.000 min

Lab File: BN038344.D

Acq: 12 Dec 2025 10:00

Tgt Ion:112 Resp: 6016

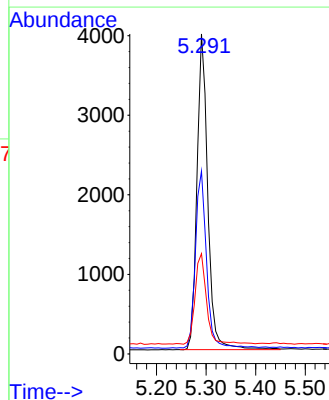
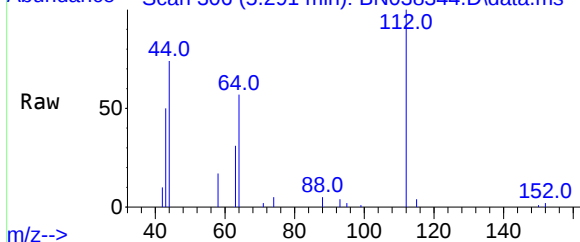
Ion Ratio Lower Upper

112 100

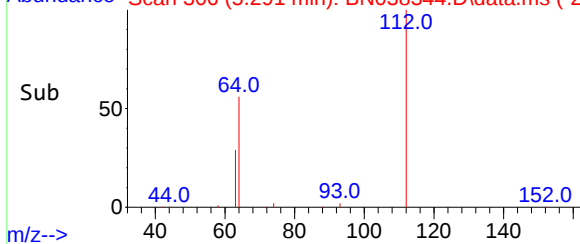
64 57.5 44.4 66.6

63 30.2 23.4 35.0

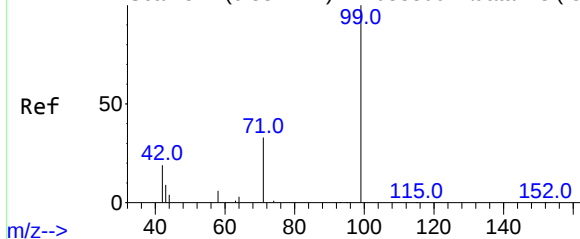
m/z--&gt; Abundance Scan 306 (5.291 min): BN038344.D\data.ms



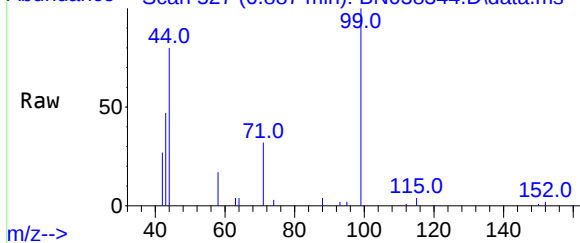
Abundance Scan 306 (5.291 min): BN038344.D\data.ms (-27



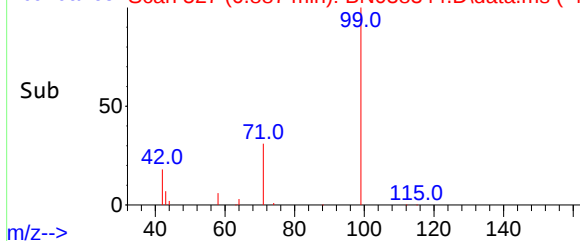
Abundance Scan 527 (6.887 min): BN038300.D\data.ms (-52



m/z--&gt; Abundance Scan 527 (6.887 min): BN038344.D\data.ms



m/z--&gt; Abundance Scan 527 (6.887 min): BN038344.D\data.ms (-49



m/z--&gt;

#5

Phenol-d6

Concen: 0.345 ng

RT: 6.887 min Scan# 51

Delta R.T. 0.000 min

Lab File: BN038344.D

Acq: 12 Dec 2025 10:00

Instrument :

BNA\_N

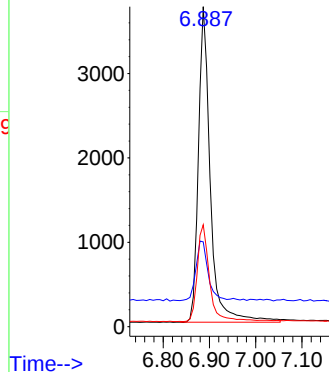
ClientSampleId :

PB170912BL

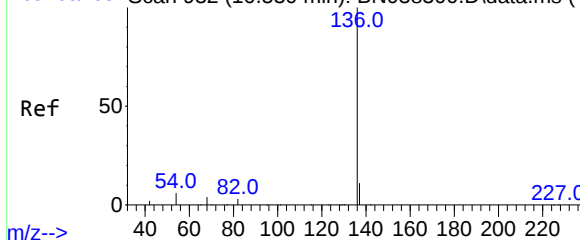
Tgt Ion: 99 Resp: 6712

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 19.3  | 16.5  | 24.7  |
| 71  | 31.3  | 24.9  | 37.3  |

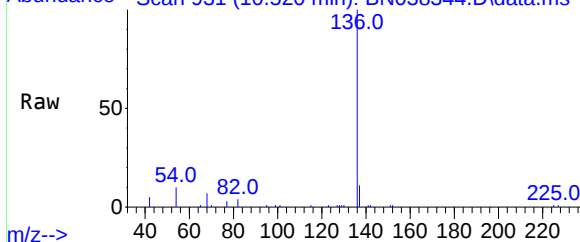
Abundance



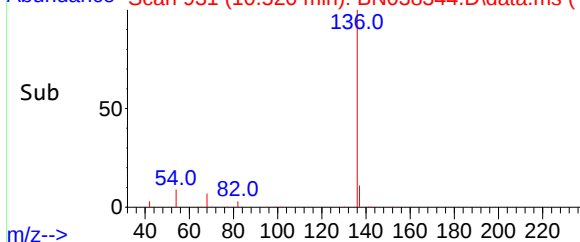
Abundance Scan 932 (10.530 min): BN038300.D\data.ms (-9



m/z--&gt; Abundance Scan 931 (10.520 min): BN038344.D\data.ms



m/z--&gt; Abundance Scan 931 (10.520 min): BN038344.D\data.ms (-9



m/z--&gt;

#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.520 min Scan# 931

Delta R.T. -0.011 min

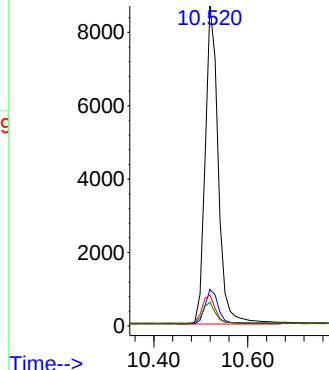
Lab File: BN038344.D

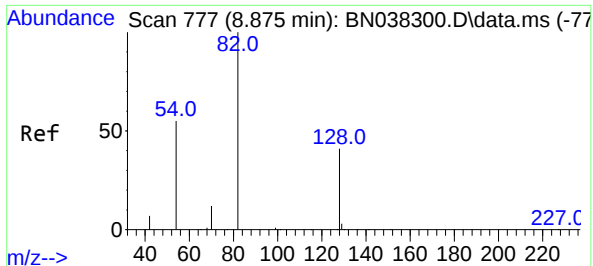
Acq: 12 Dec 2025 10:00

Tgt Ion: 136 Resp: 16790

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 11.4  | 9.1   | 13.7  |
| 54  | 9.7   | 5.2   | 7.8#  |
| 68  | 7.4   | 4.1   | 6.1#  |

Abundance

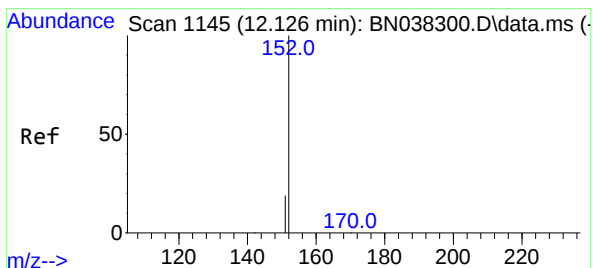
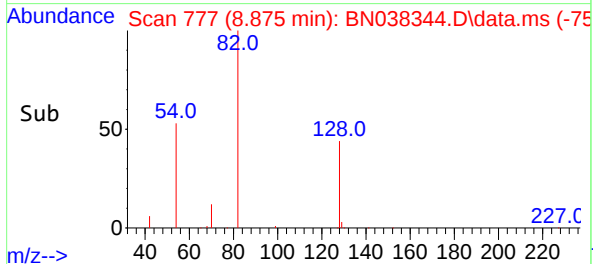
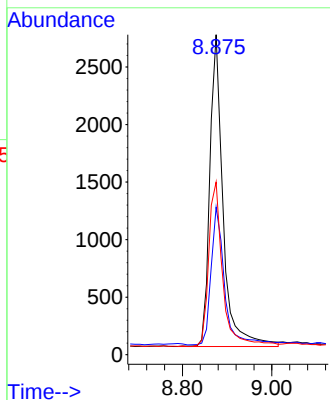
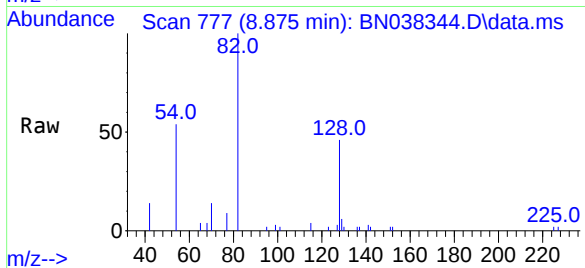




#8  
Nitrobenzene-d5  
Concen: 0.394 ng  
RT: 8.875 min Scan# 777  
Delta R.T. 0.000 min  
Lab File: BN038344.D  
Acq: 12 Dec 2025 10:00

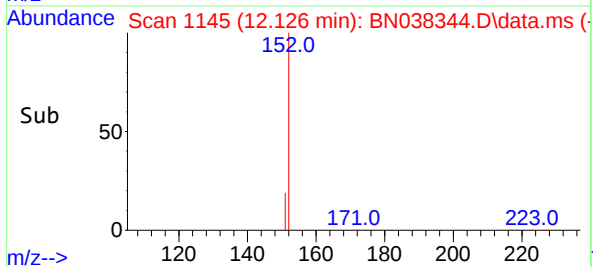
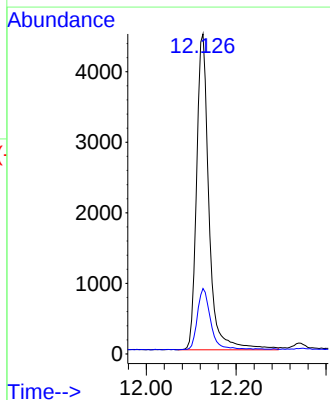
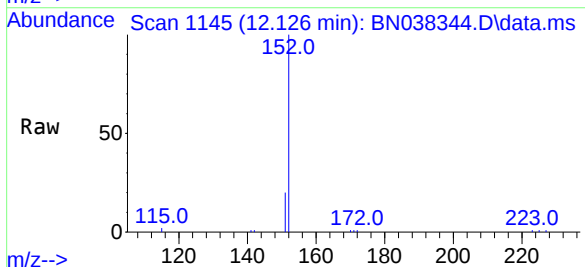
Instrument :  
BNA\_N  
ClientSampleId :  
PB170912BL

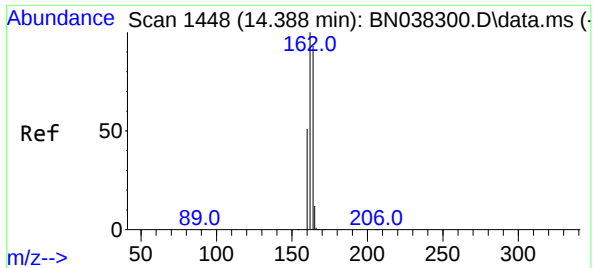
Tgt Ion: 82 Resp: 5576  
Ion Ratio Lower Upper  
82 100  
128 46.1 34.0 51.0  
54 53.9 44.4 66.6



#11  
2-Methylnaphthalene-d10  
Concen: 0.362 ng  
RT: 12.126 min Scan# 1145  
Delta R.T. 0.000 min  
Lab File: BN038344.D  
Acq: 12 Dec 2025 10:00

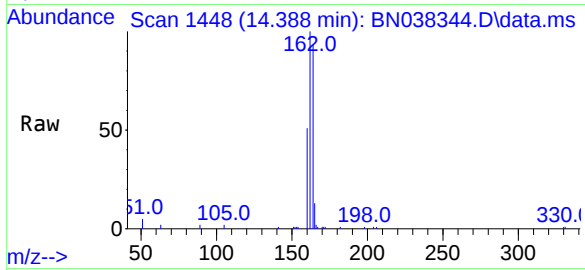
Tgt Ion: 152 Resp: 8585  
Ion Ratio Lower Upper  
152 100  
151 20.7 17.0 25.6



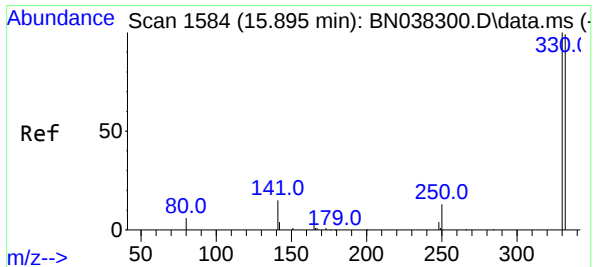
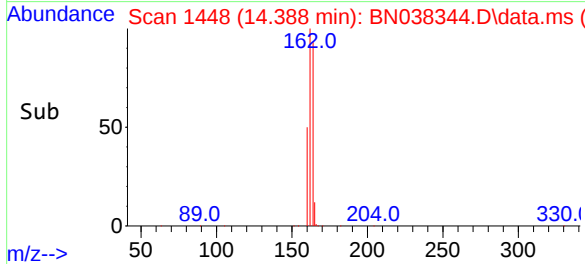
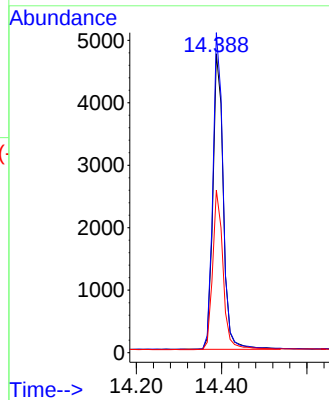


#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.388 min Scan# 1448  
Delta R.T. -0.011 min  
Lab File: BN038344.D  
Acq: 12 Dec 2025 10:00

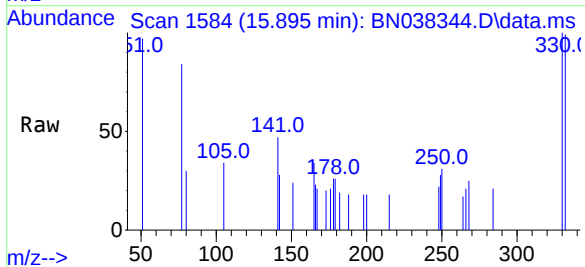
Instrument :  
BNA\_N  
ClientSampleId :  
PB170912BL



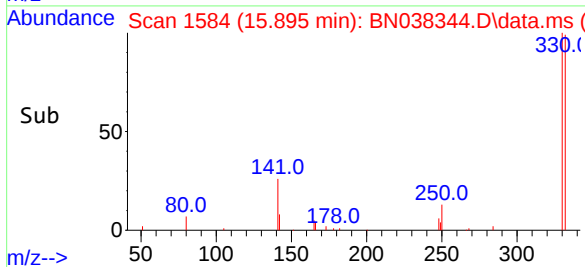
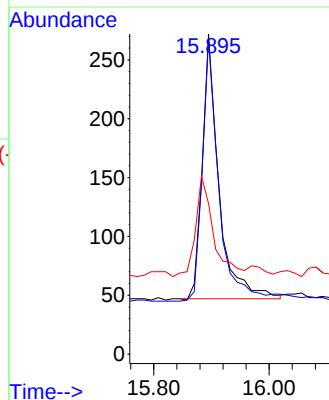
Tgt Ion:164 Resp: 8053  
Ion Ratio Lower Upper  
164 100  
162 107.1 86.2 129.4  
160 54.4 44.6 67.0

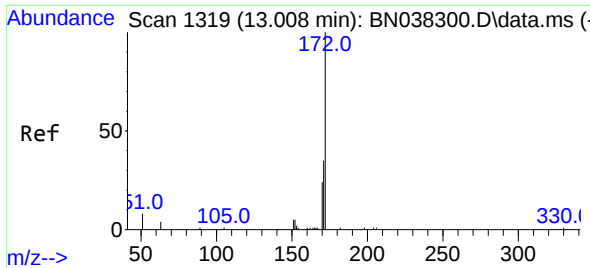


#14  
2,4,6-Tribromophenol  
Concen: 0.126 ng  
RT: 15.895 min Scan# 1584  
Delta R.T. 0.000 min  
Lab File: BN038344.D  
Acq: 12 Dec 2025 10:00



Tgt Ion:330 Resp: 451  
Ion Ratio Lower Upper  
330 100  
332 99.8 75.8 113.6  
141 40.4 31.8 47.8

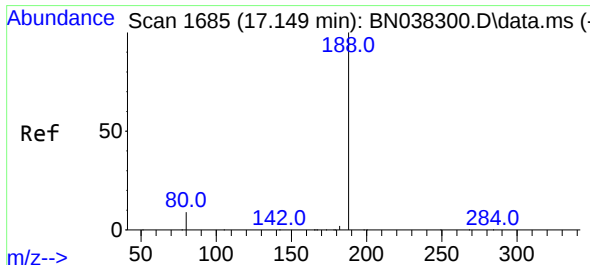
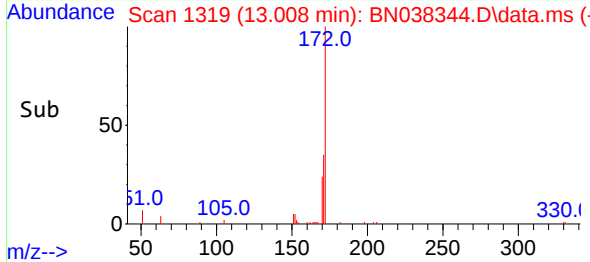
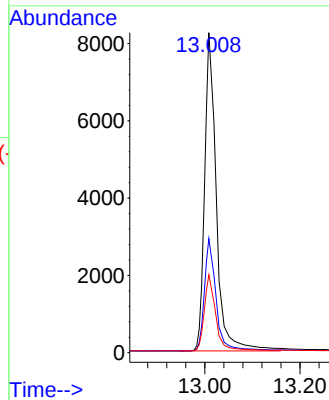
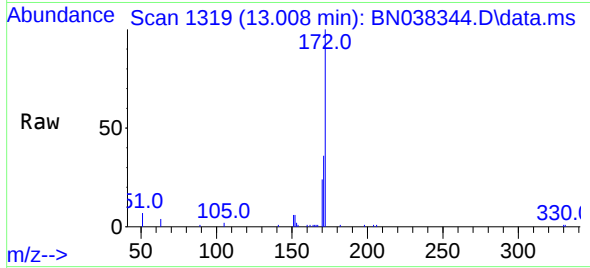




#15  
2-Fluorobiphenyl  
Concen: 0.384 ng  
RT: 13.008 min Scan# 1319  
Delta R.T. 0.000 min  
Lab File: BN038344.D  
Acq: 12 Dec 2025 10:00

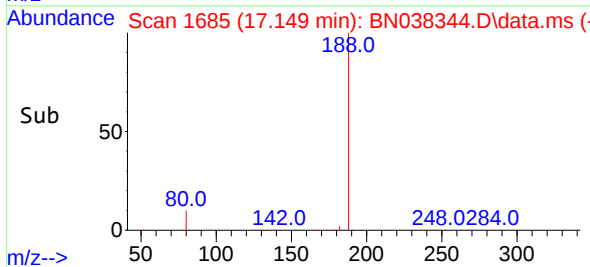
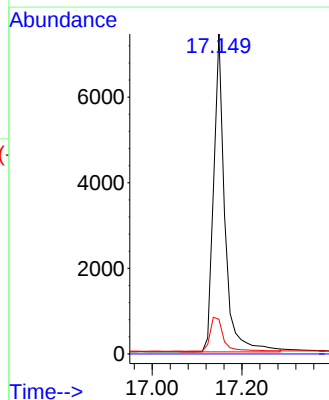
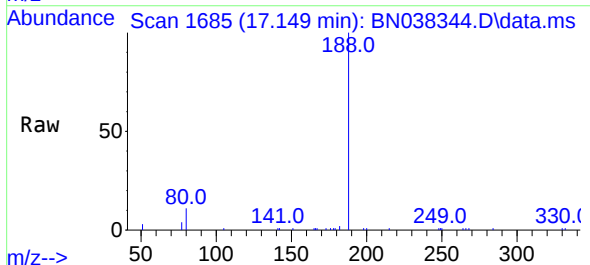
Instrument :  
BNA\_N  
ClientSampleId :  
PB170912BL

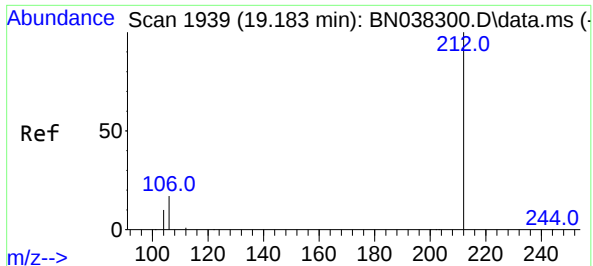
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 172   | Resp: | 14887 |
| Ion Ratio | Lower | Upper |       |
| 172       | 100   |       |       |
| 171       | 35.7  | 28.6  | 42.8  |
| 170       | 24.4  | 19.3  | 28.9  |



#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.149 min Scan# 1685  
Delta R.T. 0.000 min  
Lab File: BN038344.D  
Acq: 12 Dec 2025 10:00

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 188   | Resp: | 12820 |
| Ion Ratio | Lower | Upper |       |
| 188       | 100   |       |       |
| 94        | 0.0   | 0.0   | 0.0   |
| 80        | 10.9  | 7.4   | 11.0  |

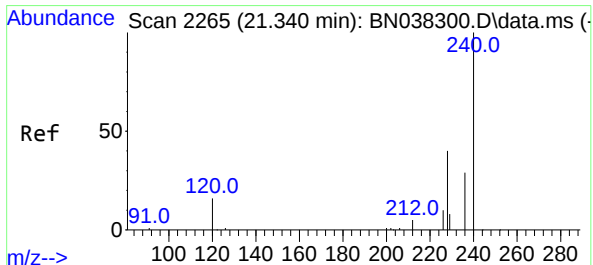
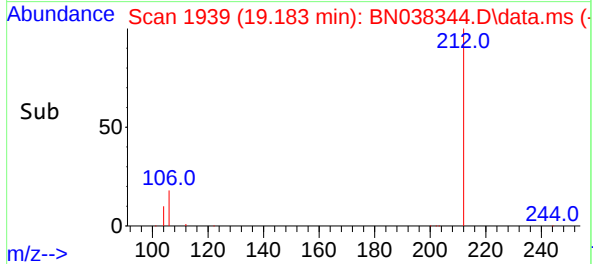
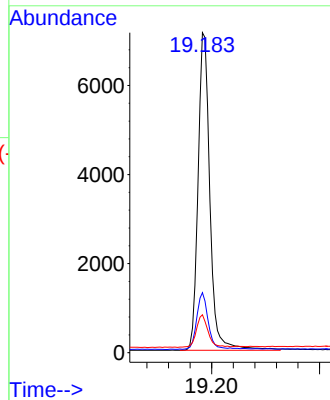
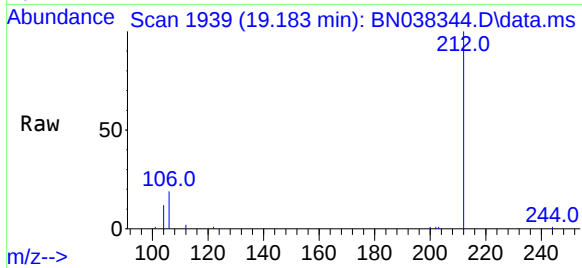




#27  
Fluoranthene-d10  
Concen: 0.344 ng  
RT: 19.183 min Scan# 1939  
Delta R.T. -0.005 min  
Lab File: BN038344.D  
Acq: 12 Dec 2025 10:00

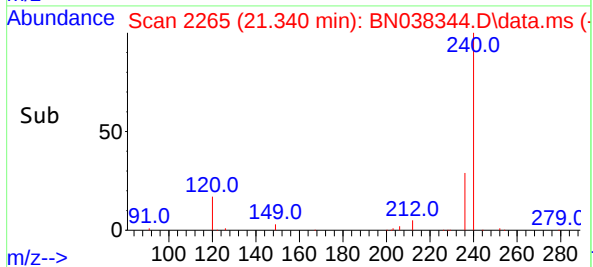
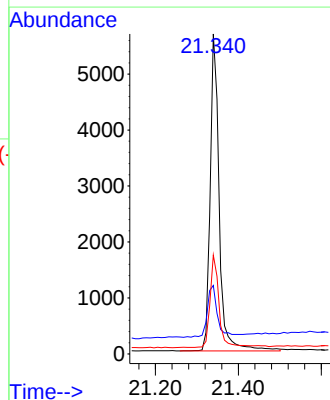
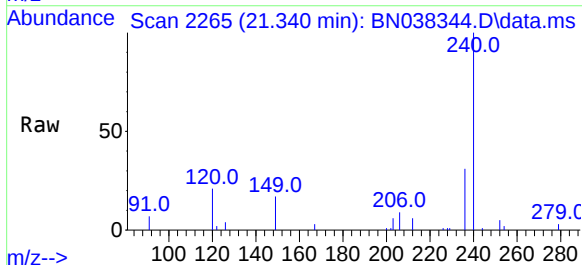
Instrument :  
BNA\_N  
ClientSampleId :  
PB170912BL

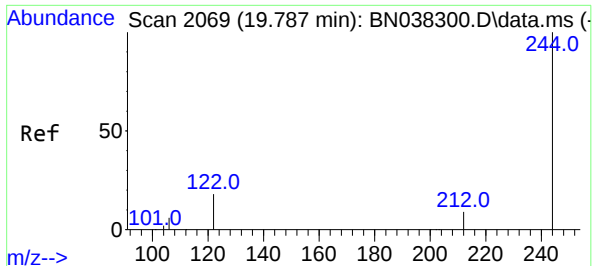
Tgt Ion:212 Resp: 10905  
Ion Ratio Lower Upper  
212 100  
106 17.3 13.7 20.5  
104 10.0 7.8 11.8



#29  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.340 min Scan# 2265  
Delta R.T. 0.000 min  
Lab File: BN038344.D  
Acq: 12 Dec 2025 10:00

Tgt Ion:240 Resp: 8612  
Ion Ratio Lower Upper  
240 100  
120 21.4 15.4 23.2  
236 30.9 23.9 35.9

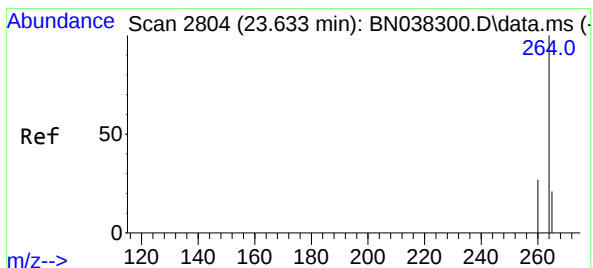
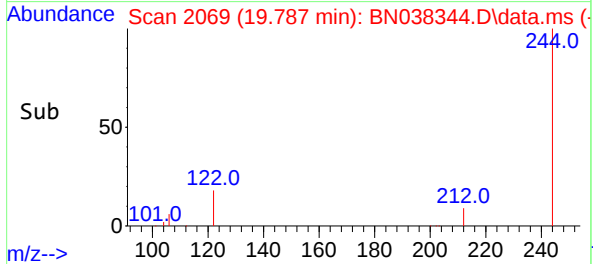
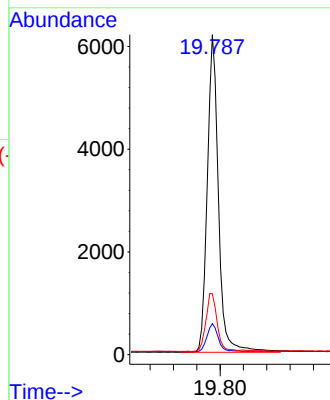
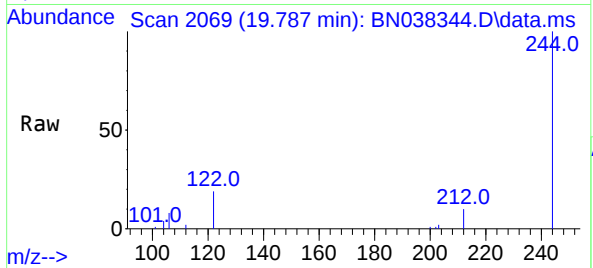




#31  
Terphenyl-d14  
Concen: 0.429 ng  
RT: 19.787 min Scan# 2069  
Delta R.T. -0.005 min  
Lab File: BN038344.D  
Acq: 12 Dec 2025 10:00

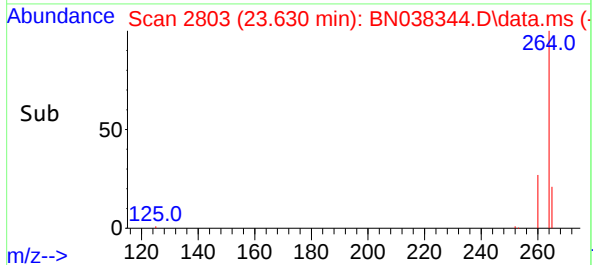
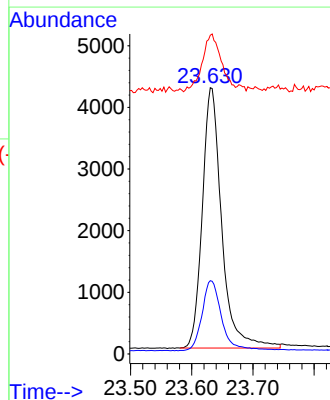
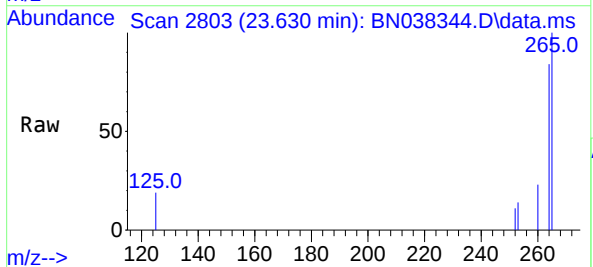
Instrument :  
BNA\_N  
ClientSampleId :  
PB170912BL

Tgt Ion:244 Resp: 8247  
Ion Ratio Lower Upper  
244 100  
212 9.7 7.9 11.9  
122 19.0 15.0 22.6



#35  
Perylene-d12  
Concen: 0.400 ng  
RT: 23.630 min Scan# 2803  
Delta R.T. -0.003 min  
Lab File: BN038344.D  
Acq: 12 Dec 2025 10:00

Tgt Ion:264 Resp: 9324  
Ion Ratio Lower Upper  
264 100  
260 27.5 22.2 33.2  
265 119.7 80.2 120.2





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

## Report of Analysis

|                    |                                           |                 |                |
|--------------------|-------------------------------------------|-----------------|----------------|
| Client:            | JACOBS Engineering Group, Inc.            | Date Collected: |                |
| Project:           | Former Schlumberger STC PTC Site D3868221 | Date Received:  |                |
| Client Sample ID:  | PB170912BS                                | SDG No.:        | Q3828          |
| Lab Sample ID:     | PB170912BS                                | Matrix:         | Water          |
| Analytical Method: | SW8270ESIM                                | % Solid:        | 0              |
| Sample Wt/Vol:     | 1000 mL                                   | Test:           | SVOC-SIMGroup1 |
| Prep Method :      | 3510C                                     |                 |                |
|                    | Level: LOW                                |                 |                |
|                    | Final Vol: 1000 uL                        |                 |                |
|                    | Prep Date: 12/11/25                       |                 |                |

| CAS Number                | Parameter               | Conc.             | Qua. | DF | MDL                 | LOQ / CRQL | Units    | Date Ana.      | Prep BatchID |
|---------------------------|-------------------------|-------------------|------|----|---------------------|------------|----------|----------------|--------------|
| <b>TARGETS</b>            |                         |                   |      |    |                     |            |          |                |              |
| 123-91-1                  | 1,4-Dioxane             | 0.29              |      | 1  | 0.070               | 0.20       | ug/L     | 12/12/25 18:27 | PB170912     |
| <b>SURROGATES</b>         |                         |                   |      |    |                     |            |          |                |              |
| 7297-45-2                 | 2-Methylnaphthalene-d10 | 0.36              |      |    | 30 (47) - 150 (106) | 91%        | SPK: 0.4 |                |              |
| 93951-69-0                | Fluoranthene-d10        | 0.33              |      |    | 30 (54) - 150 (157) | 82%        | SPK: 0.4 |                |              |
| 4165-60-0                 | Nitrobenzene-d5         | 0.39              |      |    | 30 (56) - 130 (116) | 97%        | SPK: 0.4 |                |              |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.43              |      |    | 30 (50) - 130 (126) | 108%       | SPK: 0.4 |                |              |
| 1718-51-0                 | Terphenyl-d14           | 0.43              |      |    | 30 (54) - 130 (175) | 108%       | SPK: 0.4 |                |              |
| <b>INTERNAL STANDARDS</b> |                         |                   |      |    |                     |            |          |                |              |
|                           |                         | <b>Area Count</b> |      |    |                     |            |          |                |              |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 6160              |      |    |                     |            |          |                |              |
| 1146-65-2                 | Naphthalene-d8          | 16000             |      |    |                     |            |          |                |              |
| 15067-26-2                | Acenaphthene-d10        | 7790              |      |    |                     |            |          |                |              |
| 1517-22-2                 | Phenanthrene-d10        | 13200             |      |    |                     |            |          |                |              |
| 1719-03-5                 | Chrysene-d12            | 8480              |      |    |                     |            |          |                |              |
| 1520-96-3                 | Perylene-d12            | 8950              |      |    |                     |            |          |                |              |

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\_N\Data\BN121225\  
 Data File : BN038357.D  
 Acq On : 12 Dec 2025 18:27  
 Operator : RC/JU  
 Sample : PB170912BS  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

**Instrument :**

BNA\_N

**ClientSampleId :**

PB170912BS

**Manual Integrations****APPROVED**

Reviewed By :Rahul Chavli 12/15/2025

Supervised By :Jagrut Upadhyay 12/15/2025

Quant Time: Dec 13 02:09:13 2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN121025.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Dec 10 13:56:50 2025

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.717  | 152  | 6159     | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.520 | 136  | 16009    | 0.400 | ng    | #-0.01   |
| 13) Acenaphthene-d10          | 14.388 | 164  | 7792     | 0.400 | ng    | -0.01    |
| 19) Phenanthrene-d10          | 17.149 | 188  | 13155    | 0.400 | ng    | 0.00     |
| 29) Chrysene-d12              | 21.340 | 240  | 8480     | 0.400 | ng    | 0.00     |
| 35) Perylene-d12              | 23.625 | 264  | 8947     | 0.400 | ng    | # 0.00   |
|                               |        |      |          |       |       |          |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.291  | 112  | 5525     | 0.360 | ng    | 0.00     |
| 5) Phenol-d6                  | 6.887  | 99   | 6254     | 0.343 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 8.875  | 82   | 5244     | 0.388 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10   | 12.121 | 152  | 8204m    | 0.363 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 15.883 | 330  | 944      | 0.273 | ng    | -0.01    |
| 15) 2-Fluorobiphenyl          | 13.009 | 172  | 16230    | 0.432 | ng    | 0.00     |
| 27) Fluoranthene-d10          | 19.183 | 212  | 10641    | 0.327 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.782 | 244  | 8141     | 0.430 | ng    | 0.00     |
|                               |        |      |          |       |       |          |
| Target Compounds              |        |      |          |       |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.196  | 88   | 2073     | 0.294 | ng    | # 57     |
| 3) n-Nitrosodimethylamine     | 3.507  | 42   | 2894     | 0.327 | ng    | # 95     |
| 6) bis(2-Chloroethyl)ether    | 7.139  | 93   | 5934     | 0.333 | ng    | 98       |
| 9) Naphthalene                | 10.573 | 128  | 16000    | 0.338 | ng    | 99       |
| 10) Hexachlorobutadiene       | 10.872 | 225  | 2793     | 0.332 | ng    | # 98     |
| 12) 2-Methylnaphthalene       | 12.197 | 142  | 9171     | 0.305 | ng    | 99       |
| 16) Acenaphthylene            | 14.110 | 152  | 14230    | 0.372 | ng    | 100      |
| 17) Acenaphthene              | 14.452 | 154  | 8645     | 0.324 | ng    | 99       |
| 18) Fluorene                  | 15.446 | 166  | 11335    | 0.330 | ng    | 98       |
| 20) 4,6-Dinitro-2-methylph... | 15.523 | 198  | 217      | 0.100 | ng    | # 13     |
| 21) 4-Bromophenyl-phenylether | 16.342 | 248  | 3145     | 0.322 | ng    | 93       |
| 22) Hexachlorobenzene         | 16.453 | 284  | 4007     | 0.342 | ng    | 99       |
| 23) Atrazine                  | 16.615 | 200  | 2150     | 0.323 | ng    | 99       |
| 24) Pentachlorophenol         | 16.801 | 266  | 1260     | 0.275 | ng    | 98       |
| 25) Phenanthrene              | 17.186 | 178  | 15862    | 0.346 | ng    | 100      |
| 26) Anthracene                | 17.273 | 178  | 13583    | 0.344 | ng    | 100      |
| 28) Fluoranthene              | 19.211 | 202  | 15139    | 0.311 | ng    | 99       |
| 30) Pyrene                    | 19.573 | 202  | 15342    | 0.367 | ng    | 100      |
| 32) Benzo(a)anthracene        | 21.322 | 228  | 11503    | 0.351 | ng    | 98       |
| 33) Chrysene                  | 21.375 | 228  | 12406    | 0.344 | ng    | 99       |
| 34) Bis(2-ethylhexyl)phtha... | 21.259 | 149  | 5420     | 0.302 | ng    | 100      |
| 36) Indeno(1,2,3-cd)pyrene    | 25.946 | 276  | 17589    | 0.370 | ng    | 100      |
| 37) Benzo(b)fluoranthene      | 22.932 | 252  | 13100    | 0.319 | ng    | 96       |
| 38) Benzo(k)fluoranthene      | 22.978 | 252  | 13592    | 0.332 | ng    | 94       |
| 39) Benzo(a)pyrene            | 23.522 | 252  | 11710    | 0.348 | ng    | 96       |
| 40) Dibenzo(a,h)anthracene    | 25.964 | 278  | 13361    | 0.365 | ng    | 98       |
| 41) Benzo(g,h,i)perylene      | 26.651 | 276  | 15315    | 0.374 | ng    | 99       |

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

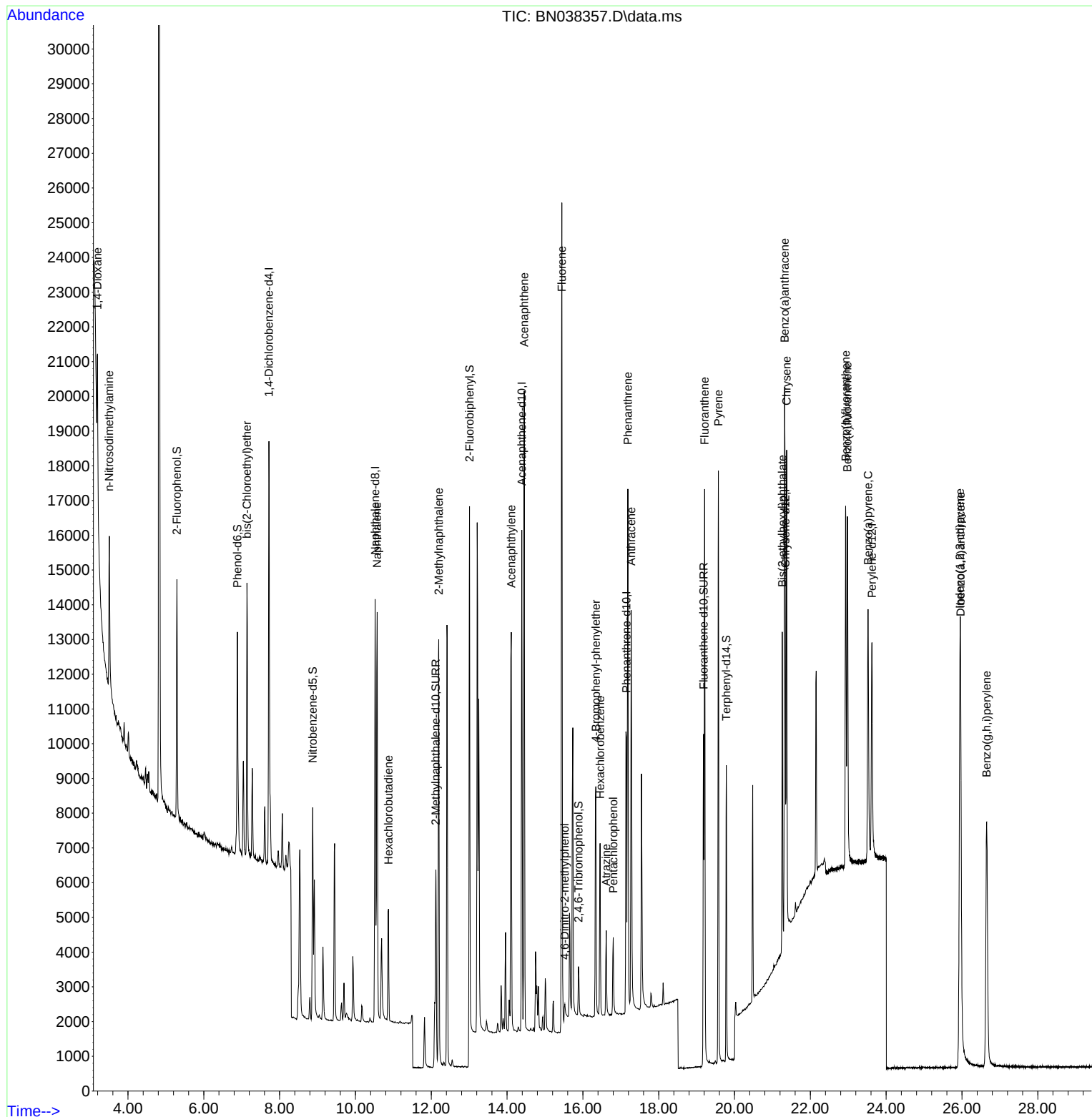
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Data File : BN038357.D  
Acq On : 12 Dec 2025 18:27  
Operator : RC/JU  
Sample : PB170912BS  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
PB170912BS

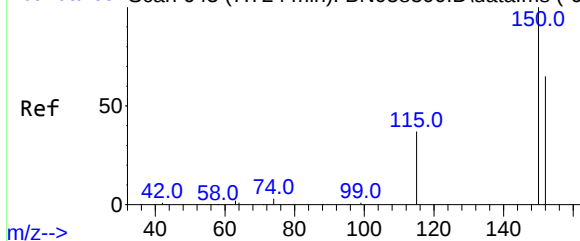
Manual Integrations  
APPROVED

Reviewed By :Rahul Chavli 12/15/2025  
Supervised By :Jagrut Upadhyay 12/15/2025

Quant Time: Dec 13 02:09:13 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN121025.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Dec 10 13:56:50 2025  
Response via : Initial Calibration



Abundance Scan 643 (7.724 min): BN038300.D\data.ms (-63



#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.717 min Scan# 64

Delta R.T. -0.007 min

Lab File: BN038357.D

Acq: 12 Dec 2025 18:27

Instrument :

BNA\_N

ClientSampleId :

PB170912BS

Tgt Ion:152 Resp: 615

Ion Ratio Lower Upper

152 100

150 155.4 122.4 183.6

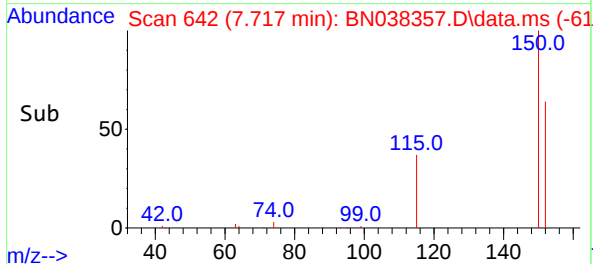
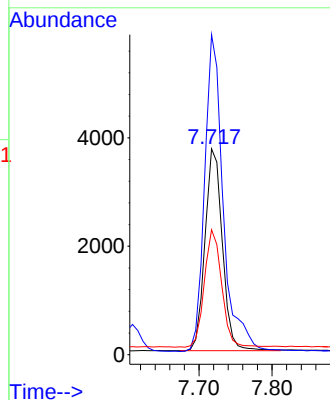
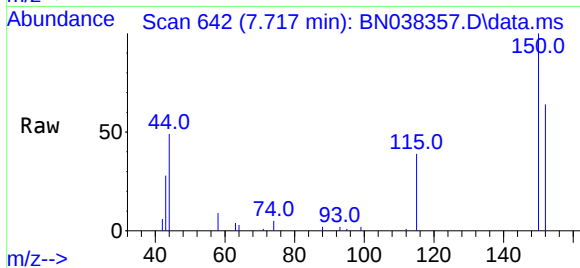
115 60.7 47.3 70.9

Manual Integrations

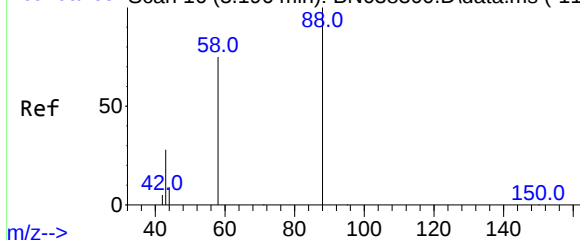
APPROVED

Reviewed By :Rahul Chavli 12/15/2025

Supervised By :Jagrut Upadhyay 12/15/2025



Abundance Scan 16 (3.196 min): BN038300.D\data.ms (-11)



#2

1,4-Dioxane

Concen: 0.294 ng

RT: 3.196 min Scan# 16

Delta R.T. 0.000 min

Lab File: BN038357.D

Acq: 12 Dec 2025 18:27

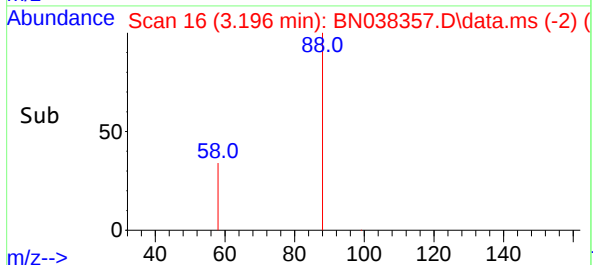
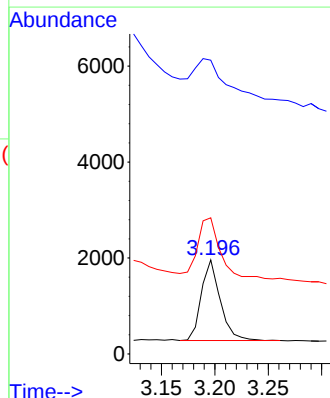
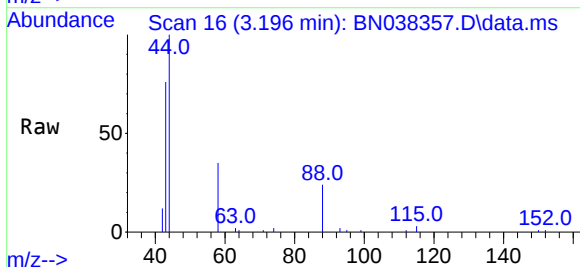
Tgt Ion: 88 Resp: 2073

Ion Ratio Lower Upper

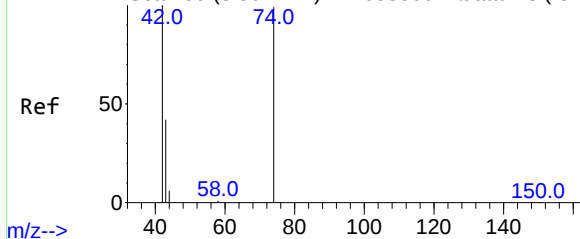
88 100

43 90.5 24.9 37.3

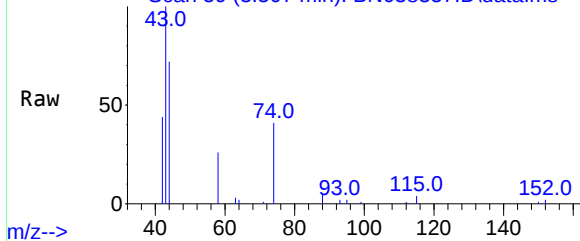
58 90.6 61.4 92.0



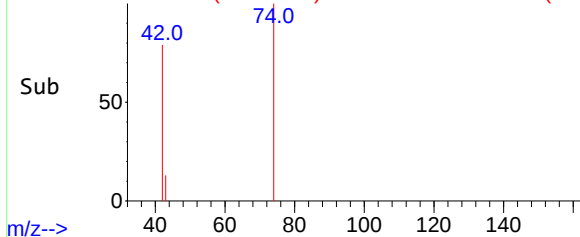
Abundance Scan 59 (3.507 min): BN038300.D\data.ms (-52)



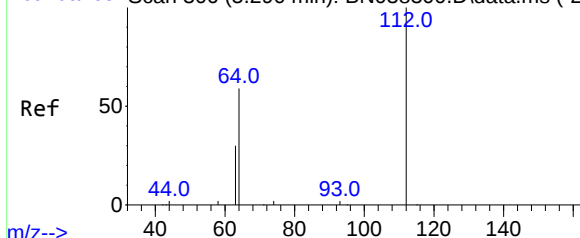
m/z--&gt; Abundance Scan 59 (3.507 min): BN038357.D\data.ms



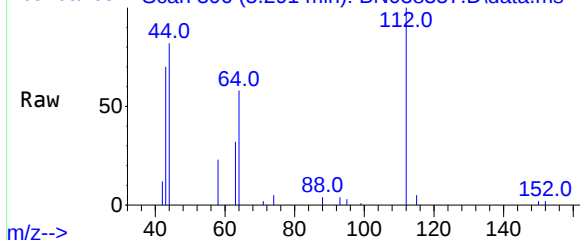
m/z--&gt; Abundance Scan 59 (3.507 min): BN038357.D\data.ms (-37)



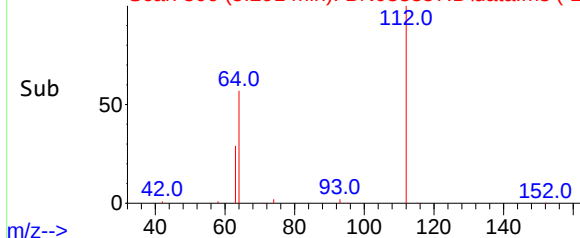
Abundance Scan 306 (5.290 min): BN038300.D\data.ms (-29)



m/z--&gt; Abundance Scan 306 (5.291 min): BN038357.D\data.ms



m/z--&gt; Abundance Scan 306 (5.291 min): BN038357.D\data.ms (-27)



m/z--&gt;

#3

n-Nitrosodimethylamine

Concen: 0.327 ng

RT: 3.507 min Scan# 59

Delta R.T. 0.007 min

Lab File: BN038357.D

Acq: 12 Dec 2025 18:27

Tgt Ion: 42 Resp: 2894

Ion Ratio Lower Upper

42 100

74 122.8 95.3 142.9

44 0.0 7.9 11.9

Instrument :

BNA\_N

ClientSampleId :

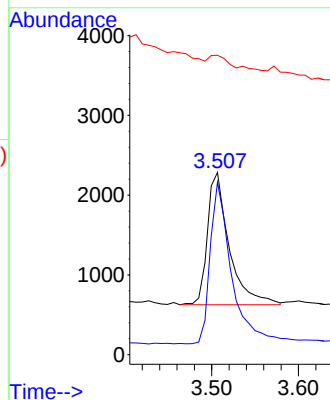
PB170912BS

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 12/15/2025

Supervised By :Jagrut Upadhyay 12/15/2025



#4

2-Fluorophenol

Concen: 0.360 ng

RT: 5.291 min Scan# 306

Delta R.T. 0.000 min

Lab File: BN038357.D

Acq: 12 Dec 2025 18:27

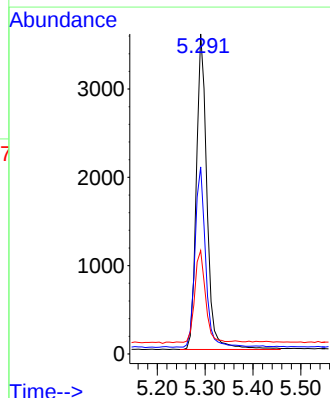
Tgt Ion:112 Resp: 5525

Ion Ratio Lower Upper

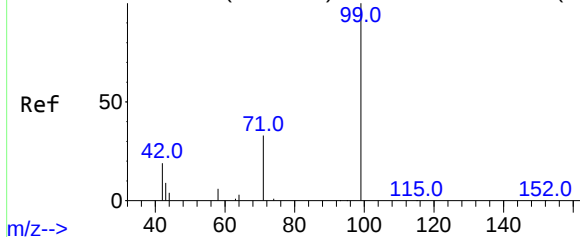
112 100

64 56.7 44.4 66.6

63 29.4 23.4 35.0



Abundance Scan 527 (6.887 min): BN038300.D\data.ms (-52



#5

Phenol-d6

Concen: 0.343 ng

RT: 6.887 min Scan# 51

Delta R.T. 0.000 min

Lab File: BN038357.D

Acq: 12 Dec 2025 18:27

Instrument :

BNA\_N

ClientSampleId :

PB170912BS

Tgt Ion: 99 Resp: 6254

Ion Ratio Lower Upper

99 100

42 21.8 16.5 24.7

71 31.9 24.9 37.3

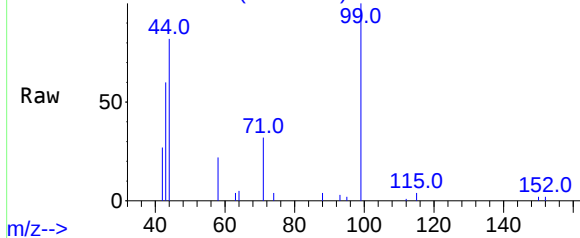
Manual Integrations

APPROVED

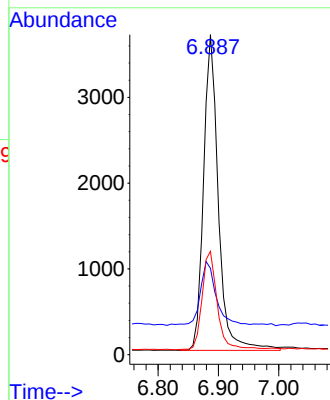
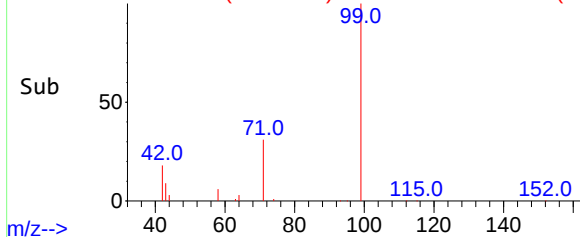
Reviewed By :Rahul Chavli 12/15/2025

Supervised By :Jagrut Upadhyay 12/15/2025

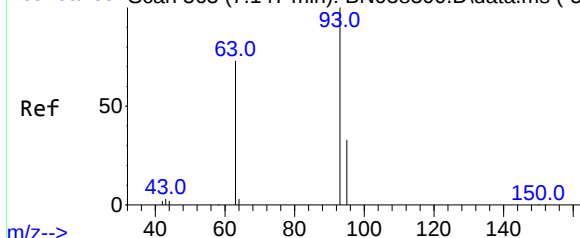
Abundance Scan 527 (6.887 min): BN038357.D\data.ms



Abundance Scan 527 (6.887 min): BN038357.D\data.ms (-49



Abundance Scan 563 (7.147 min): BN038300.D\data.ms (-55



#6

bis(2-Chloroethyl)ether

Concen: 0.333 ng

RT: 7.139 min Scan# 562

Delta R.T. -0.007 min

Lab File: BN038357.D

Acq: 12 Dec 2025 18:27

Tgt Ion: 93 Resp: 5934

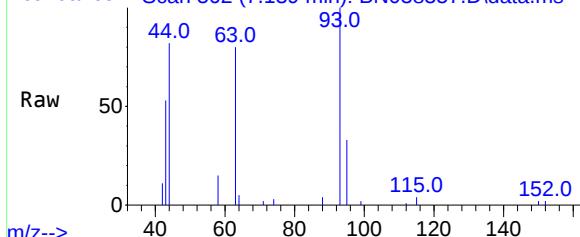
Ion Ratio Lower Upper

93 100

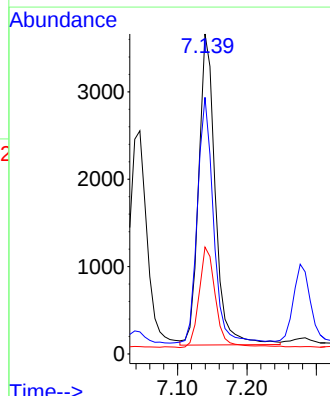
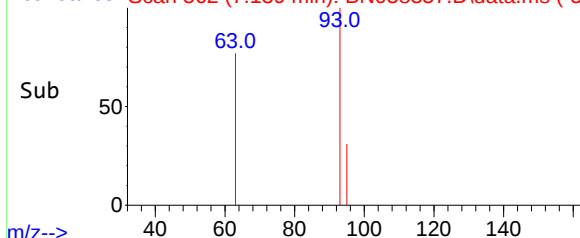
63 76.2 59.2 88.8

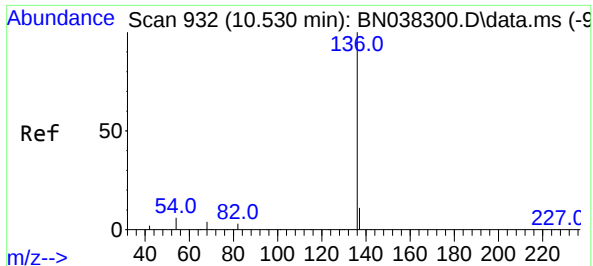
95 32.5 25.2 37.8

Abundance Scan 562 (7.139 min): BN038357.D\data.ms



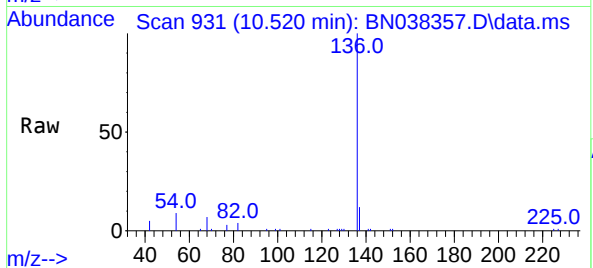
Abundance Scan 562 (7.139 min): BN038357.D\data.ms (-52





#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.520 min Scan# 91  
Delta R.T. -0.011 min  
Lab File: BN038357.D  
Acq: 12 Dec 2025 18:27

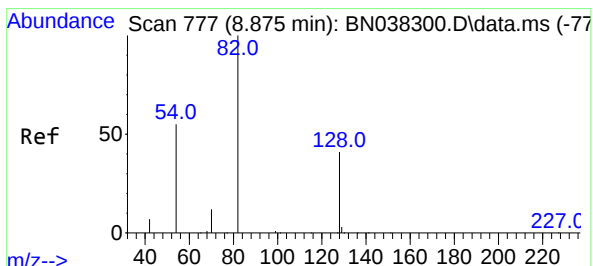
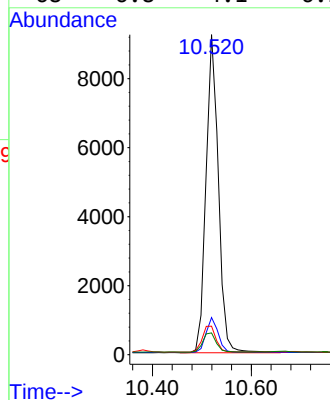
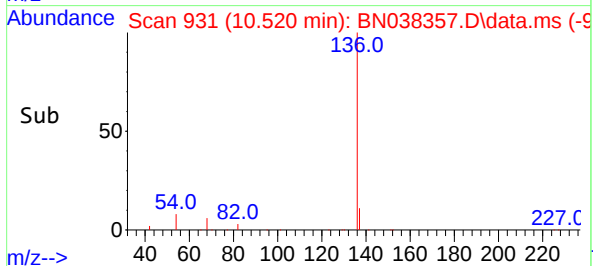
Instrument :  
BNA\_N  
ClientSampleId :  
PB170912BS



Tgt Ion:136 Resp: 16009  
Ion Ratio Lower Upper  
136 100  
137 11.6 9.1 13.7  
54 8.9 5.2 7.8  
68 6.8 4.1 6.1

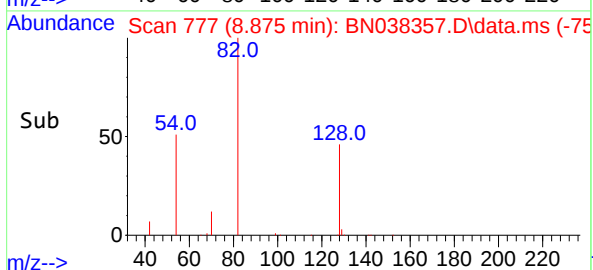
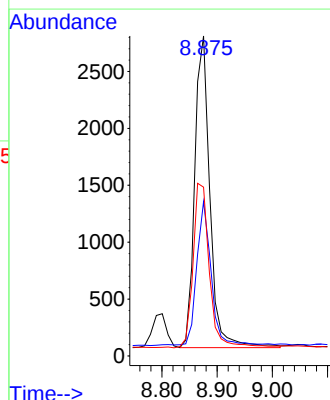
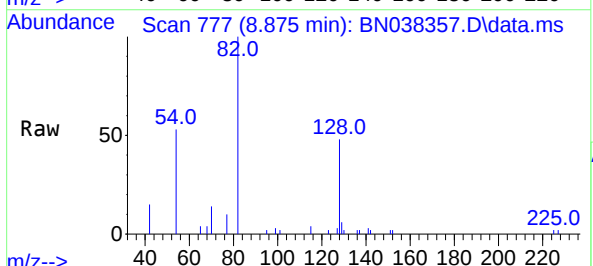
Manual Integrations  
**APPROVED**

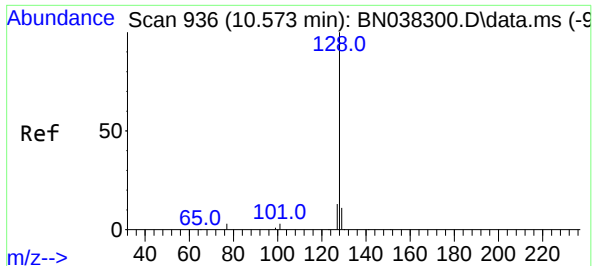
Reviewed By :Rahul Chavli 12/15/2025  
Supervised By :Jagrut Upadhyay 12/15/2025



#8  
Nitrobenzene-d5  
Concen: 0.388 ng  
RT: 8.875 min Scan# 777  
Delta R.T. 0.000 min  
Lab File: BN038357.D  
Acq: 12 Dec 2025 18:27

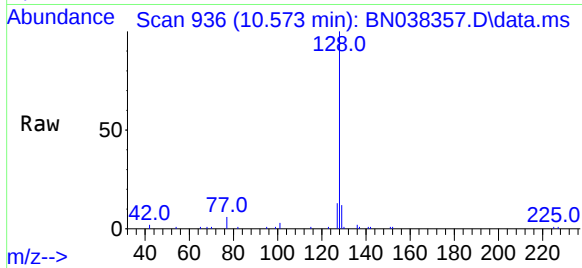
Tgt Ion: 82 Resp: 5244  
Ion Ratio Lower Upper  
82 100  
128 48.3 34.0 51.0  
54 52.8 44.4 66.6





#9  
Naphthalene  
Concen: 0.338 ng  
RT: 10.573 min Scan# 911  
Delta R.T. 0.000 min  
Lab File: BN038357.D  
Acq: 12 Dec 2025 18:27

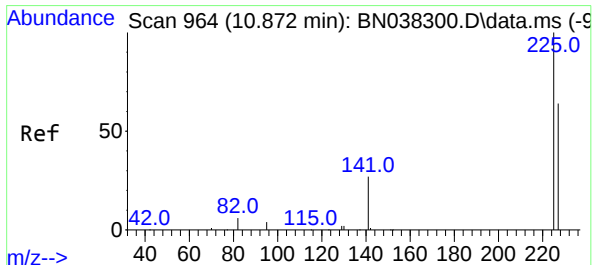
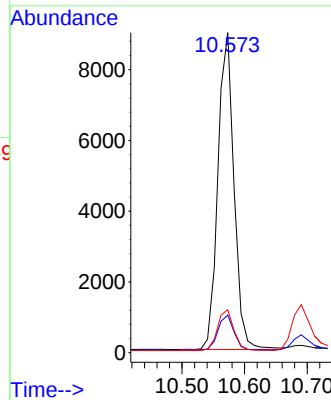
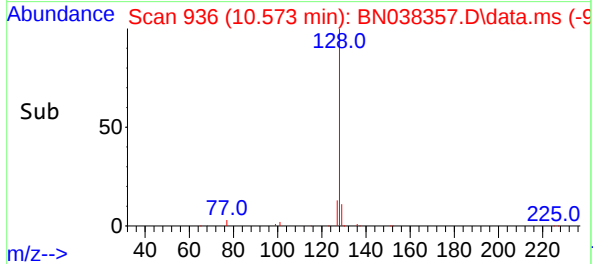
Instrument :  
BNA\_N  
ClientSampleId :  
PB170912BS



Tgt Ion:128 Resp: 16000  
Ion Ratio Lower Upper  
128 100  
129 11.7 9.1 13.7  
127 13.4 10.9 16.3

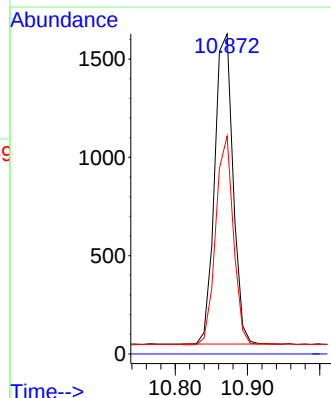
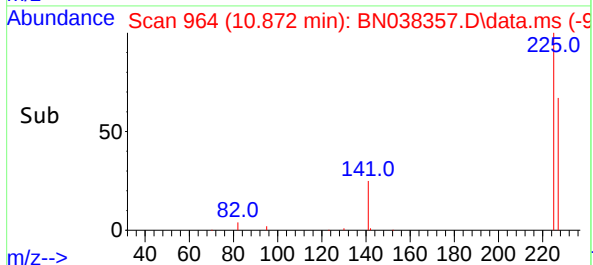
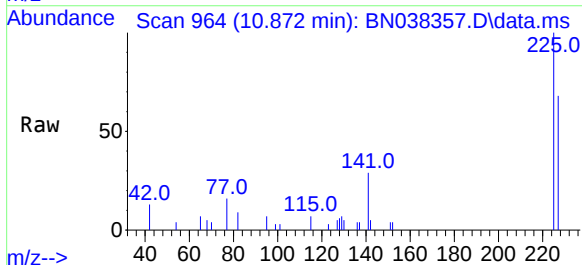
Manual Integrations  
**APPROVED**

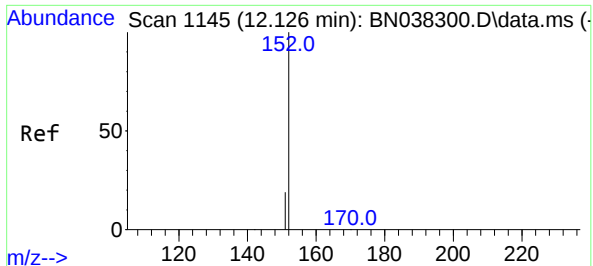
Reviewed By :Rahul Chavli 12/15/2025  
Supervised By :Jagrut Upadhyay 12/15/2025



#10  
Hexachlorobutadiene  
Concen: 0.332 ng  
RT: 10.872 min Scan# 964  
Delta R.T. 0.000 min  
Lab File: BN038357.D  
Acq: 12 Dec 2025 18:27

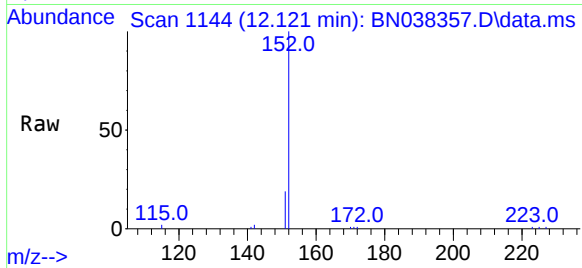
Tgt Ion:225 Resp: 2793  
Ion Ratio Lower Upper  
225 100  
223 0.0 0.0 0.0  
227 65.3 51.2 76.8





#11  
2-Methylnaphthalene-d10  
Concen: 0.363 ng m  
RT: 12.121 min Scan# 1144  
Delta R.T. -0.005 min  
Lab File: BN038357.D  
Acq: 12 Dec 2025 18:27

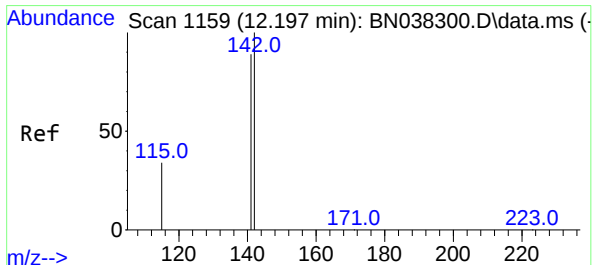
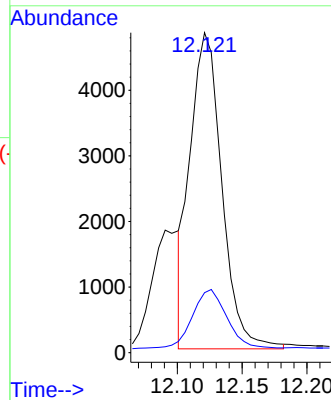
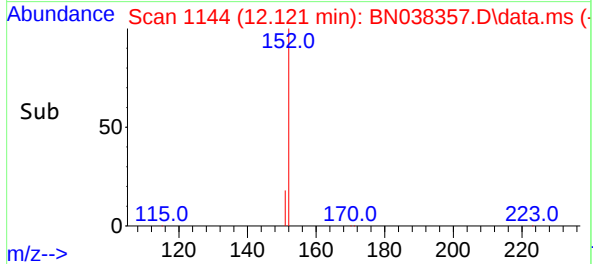
Instrument :  
BNA\_N  
ClientSampleId :  
PB170912BS



Tgt Ion:152 Resp: 8204  
Ion Ratio Lower Upper  
152 100  
151 20.4 17.0 25.6

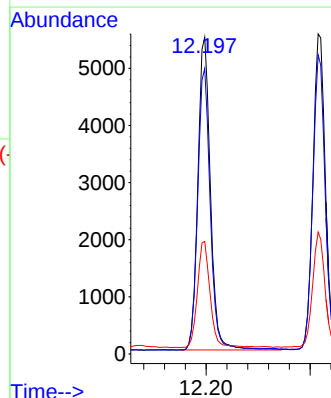
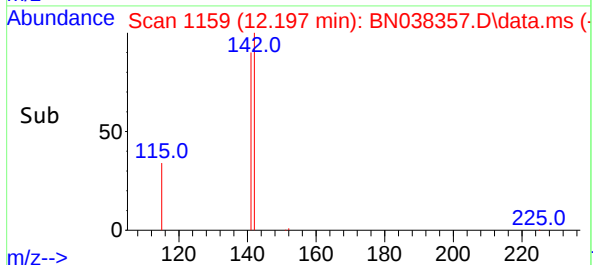
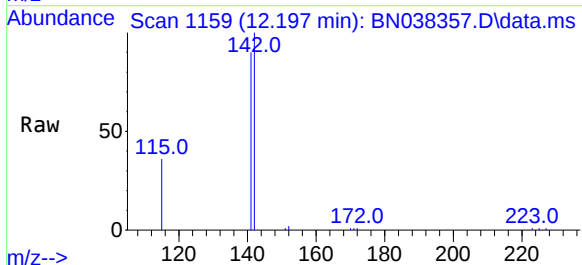
Manual Integrations  
APPROVED

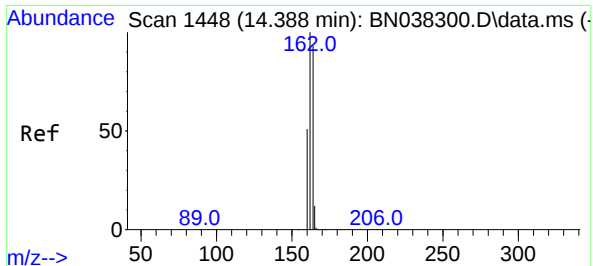
Reviewed By :Rahul Chavli 12/15/2025  
Supervised By :Jagrut Upadhyay 12/15/2025



#12  
2-Methylnaphthalene  
Concen: 0.305 ng  
RT: 12.197 min Scan# 1159  
Delta R.T. -0.005 min  
Lab File: BN038357.D  
Acq: 12 Dec 2025 18:27

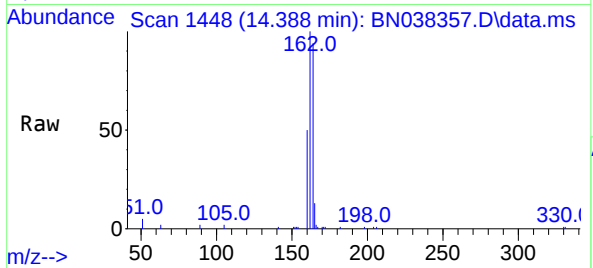
Tgt Ion:142 Resp: 9171  
Ion Ratio Lower Upper  
142 100  
141 90.1 71.4 107.2  
115 35.5 28.4 42.6





#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.388 min Scan# 1448  
Delta R.T. -0.011 min  
Lab File: BN038357.D  
Acq: 12 Dec 2025 18:27

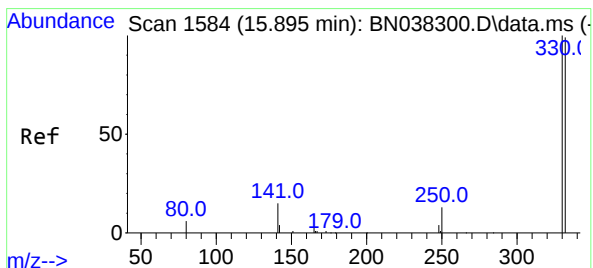
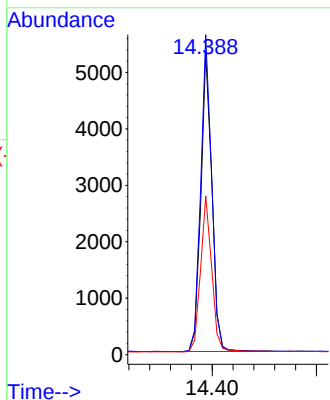
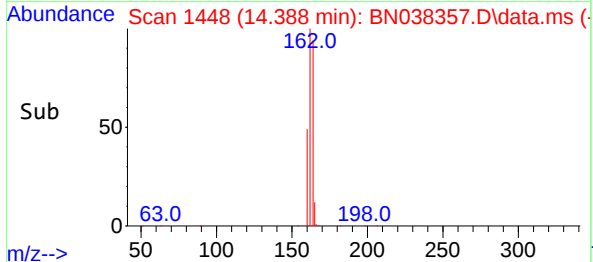
Instrument :  
BNA\_N  
ClientSampleId :  
PB170912BS



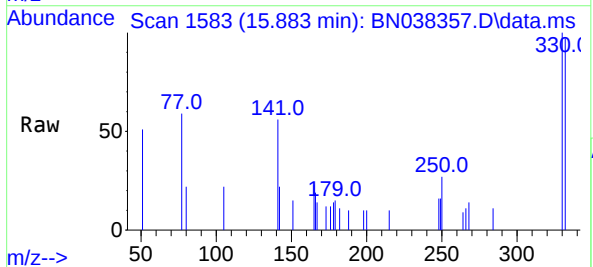
Tgt Ion:164 Resp: 7792  
Ion Ratio Lower Upper  
164 100  
162 105.8 86.2 129.4  
160 52.5 44.6 67.0

Manual Integrations  
**APPROVED**

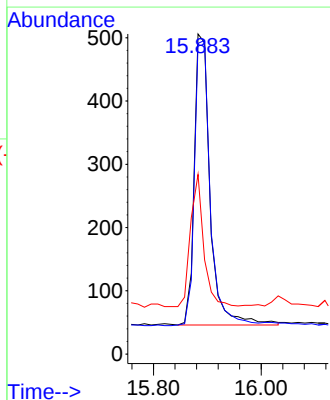
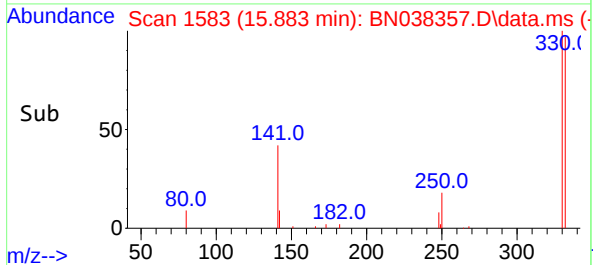
Reviewed By :Rahul Chavli 12/15/2025  
Supervised By :Jagrut Upadhyay 12/15/2025

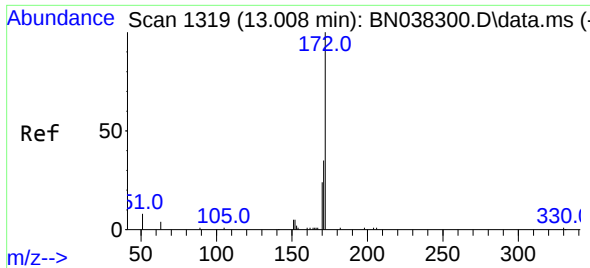


#14  
2,4,6-Tribromophenol  
Concen: 0.273 ng  
RT: 15.883 min Scan# 1583  
Delta R.T. -0.012 min  
Lab File: BN038357.D  
Acq: 12 Dec 2025 18:27



Tgt Ion:330 Resp: 944  
Ion Ratio Lower Upper  
330 100  
332 97.4 75.8 113.6  
141 37.8 31.8 47.8





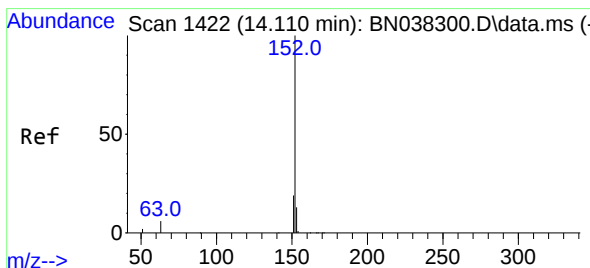
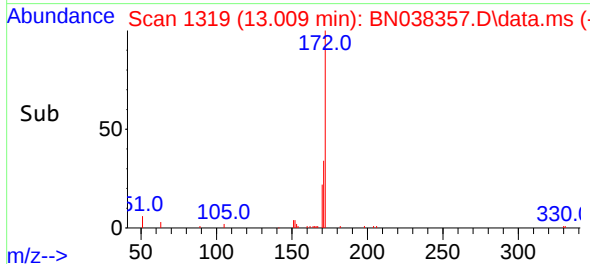
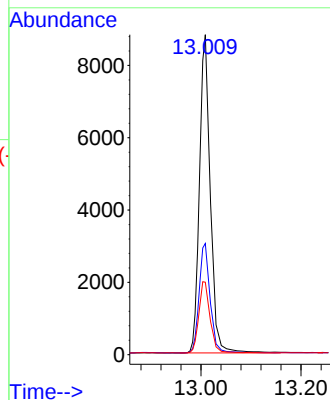
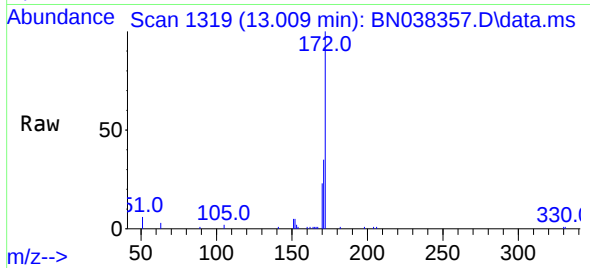
#15  
2-Fluorobiphenyl  
Concen: 0.432 ng  
RT: 13.009 min Scan# 1319  
Delta R.T. 0.000 min  
Lab File: BN038357.D  
Acq: 12 Dec 2025 18:27

Instrument :  
BNA\_N  
ClientSampleId :  
PB170912BS

Tgt Ion:172 Resp: 16230  
Ion Ratio Lower Upper  
172 100  
171 34.8 28.6 42.8  
170 22.6 19.3 28.9

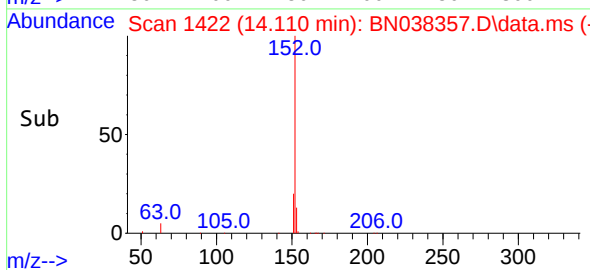
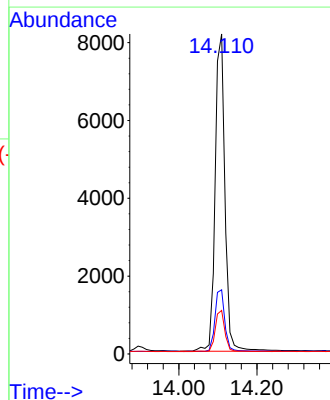
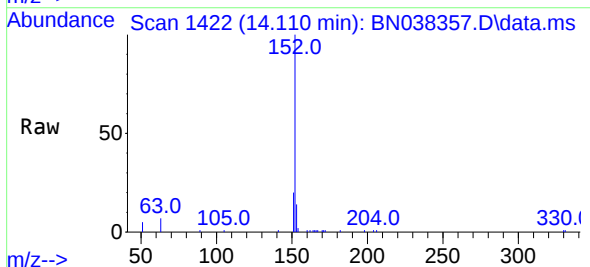
Manual Integrations  
APPROVED

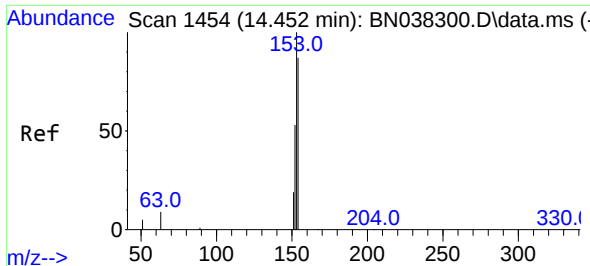
Reviewed By :Rahul Chavli 12/15/2025  
Supervised By :Jagrut Upadhyay 12/15/2025



#16  
Acenaphthylene  
Concen: 0.372 ng  
RT: 14.110 min Scan# 1422  
Delta R.T. 0.000 min  
Lab File: BN038357.D  
Acq: 12 Dec 2025 18:27

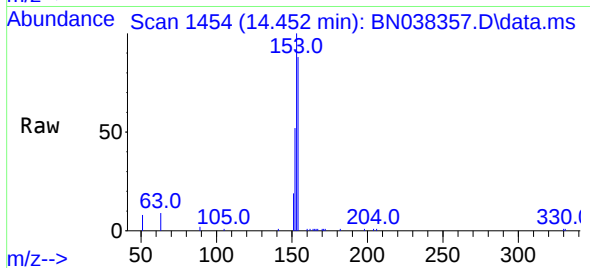
Tgt Ion:152 Resp: 14230  
Ion Ratio Lower Upper  
152 100  
151 19.4 15.4 23.2  
153 12.7 10.2 15.4





#17  
Acenaphthene  
Concen: 0.324 ng  
RT: 14.452 min Scan# 1454  
Delta R.T. -0.011 min  
Lab File: BN038357.D  
Acq: 12 Dec 2025 18:27

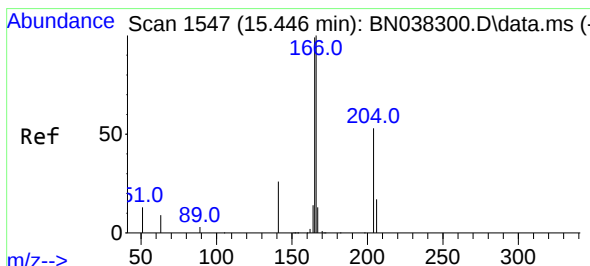
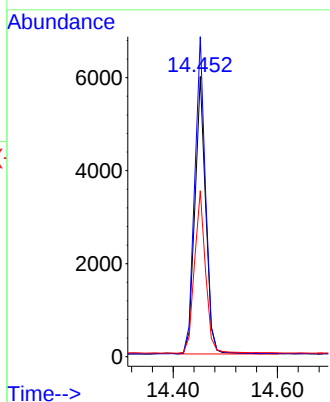
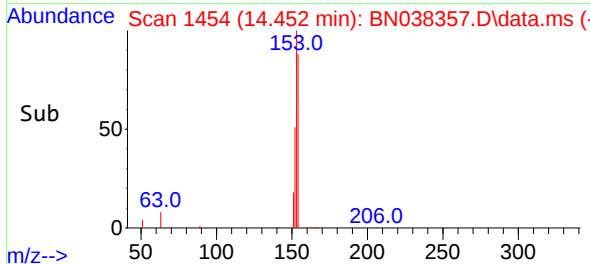
Instrument :  
BNA\_N  
ClientSampleId :  
PB170912BS



Tgt Ion:154 Resp: 864  
Ion Ratio Lower Upper  
154 100  
153 113.7 89.8 134.8  
152 59.9 47.5 71.3

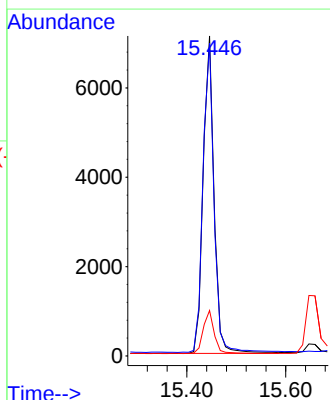
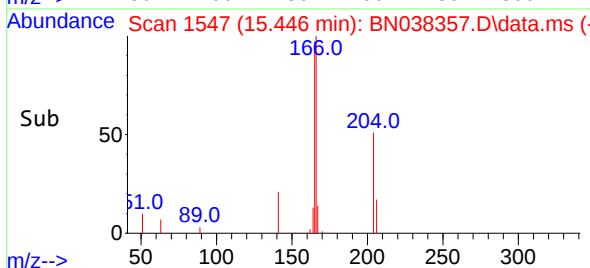
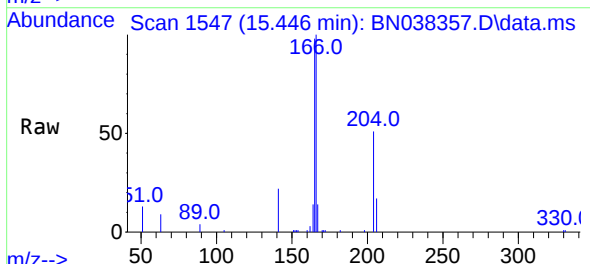
Manual Integrations  
**APPROVED**

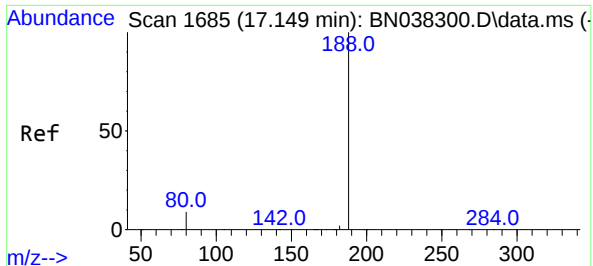
Reviewed By :Rahul Chavli 12/15/2025  
Supervised By :Jagrut Upadhyay 12/15/2025



#18  
Fluorene  
Concen: 0.330 ng  
RT: 15.446 min Scan# 1547  
Delta R.T. 0.000 min  
Lab File: BN038357.D  
Acq: 12 Dec 2025 18:27

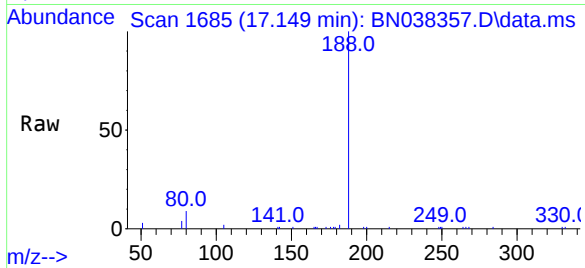
Tgt Ion:166 Resp: 11335  
Ion Ratio Lower Upper  
166 100  
165 98.1 80.2 120.4  
167 13.4 10.6 16.0





#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.149 min Scan# 1685  
Delta R.T. 0.000 min  
Lab File: BN038357.D  
Acq: 12 Dec 2025 18:27

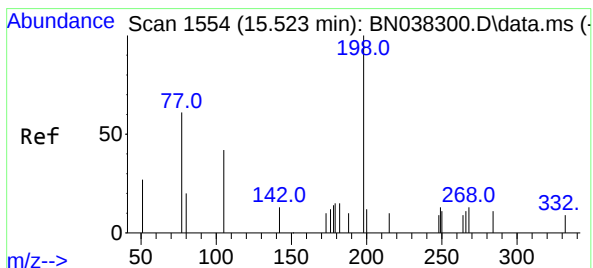
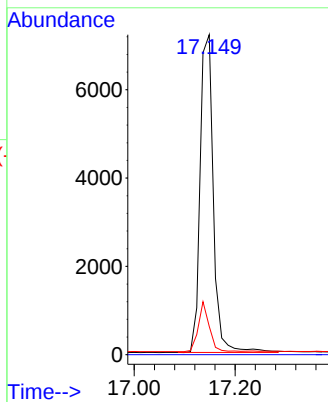
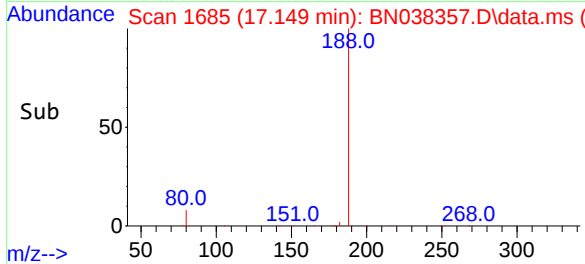
Instrument :  
BNA\_N  
ClientSampleId :  
PB170912BS



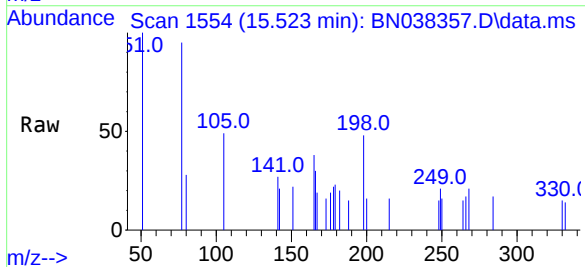
Tgt Ion:188 Resp: 1315  
Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 8.8 7.4 11.0

Manual Integrations  
**APPROVED**

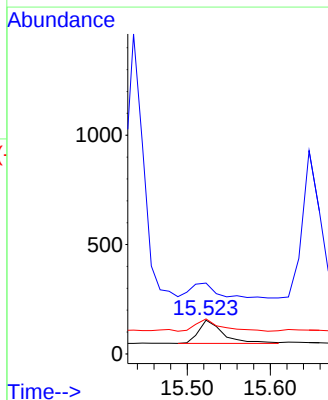
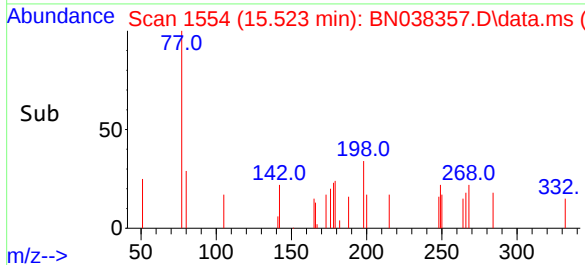
Reviewed By :Rahul Chavli 12/15/2025  
Supervised By :Jagrut Upadhyay 12/15/2025

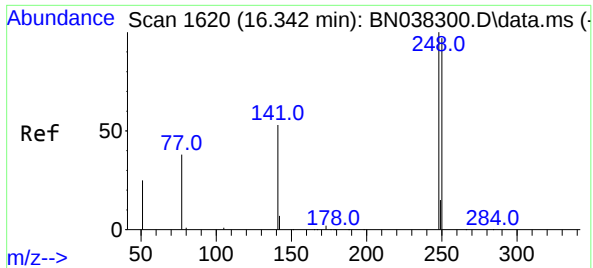


#20  
4,6-Dinitro-2-methylphenol  
Concen: 0.100 ng  
RT: 15.523 min Scan# 1554  
Delta R.T. 0.001 min  
Lab File: BN038357.D  
Acq: 12 Dec 2025 18:27



Tgt Ion:198 Resp: 217  
Ion Ratio Lower Upper  
198 100  
51 210.4 86.3 129.5#  
105 103.9 45.3 67.9#





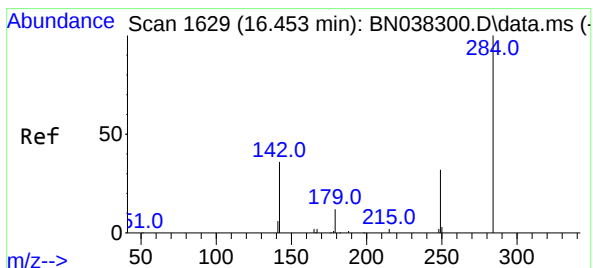
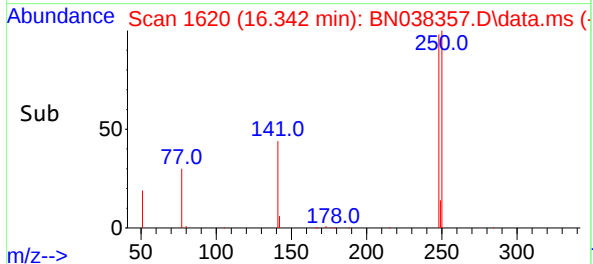
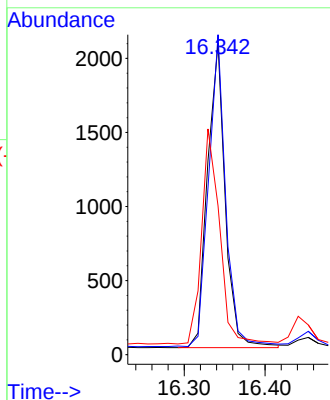
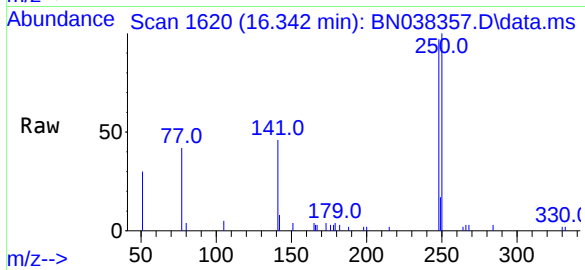
#21  
4-Bromophenyl-phenylether  
Concen: 0.322 ng  
RT: 16.342 min Scan# 1620  
Delta R.T. -0.000 min  
Lab File: BN038357.D  
Acq: 12 Dec 2025 18:27

Instrument :  
BNA\_N  
ClientSampleId :  
PB170912BS

Tgt Ion:248 Resp: 314  
Ion Ratio Lower Upper  
248 100  
250 102.7 78.2 117.2  
141 47.7 43.7 65.5

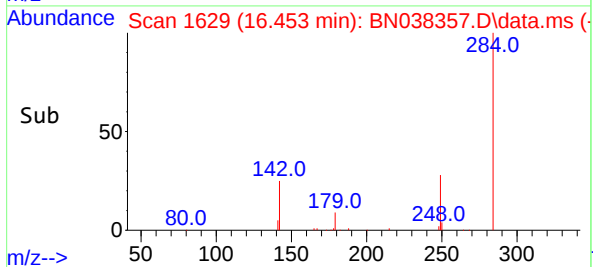
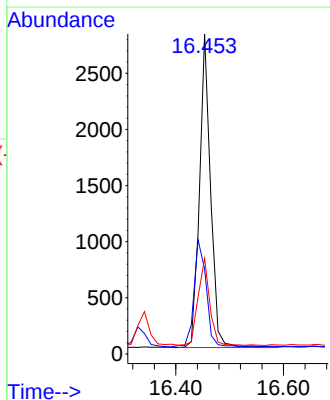
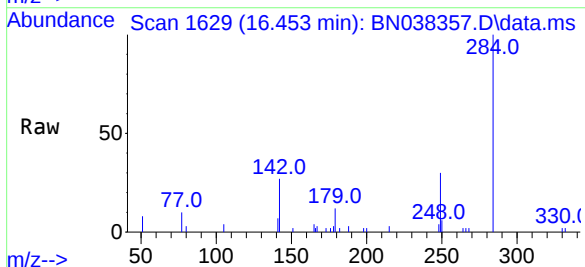
Manual Integrations  
**APPROVED**

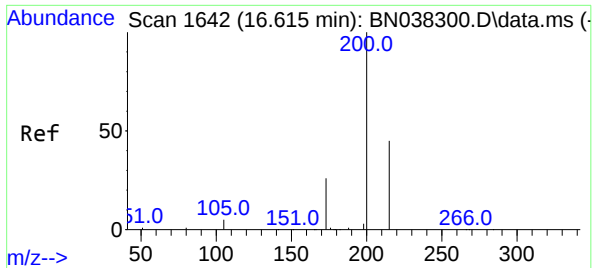
Reviewed By :Rahul Chavli 12/15/2025  
Supervised By :Jagrut Upadhyay 12/15/2025



#22  
Hexachlorobenzene  
Concen: 0.342 ng  
RT: 16.453 min Scan# 1629  
Delta R.T. -0.012 min  
Lab File: BN038357.D  
Acq: 12 Dec 2025 18:27

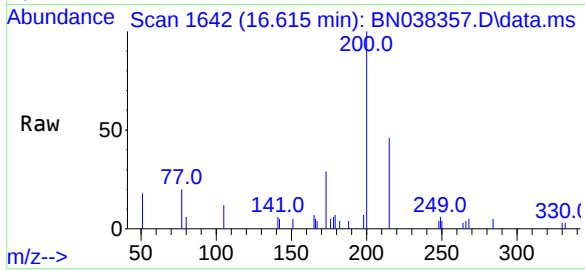
Tgt Ion:284 Resp: 4007  
Ion Ratio Lower Upper  
284 100  
142 37.5 29.5 44.3  
249 29.4 23.7 35.5





#23  
Atrazine  
Concen: 0.323 ng  
RT: 16.615 min Scan# 1642  
Delta R.T. 0.000 min  
Lab File: BN038357.D  
Acq: 12 Dec 2025 18:27

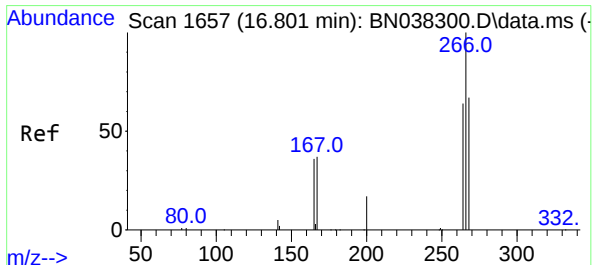
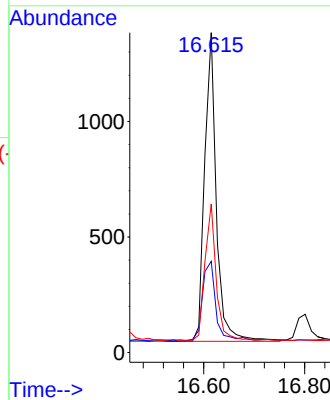
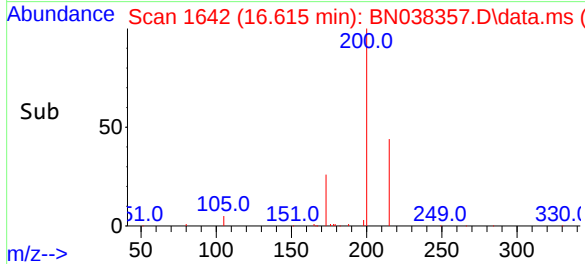
Instrument :  
BNA\_N  
ClientSampleId :  
PB170912BS



Tgt Ion:200 Resp: 2150  
Ion Ratio Lower Upper  
200 100  
173 28.5 22.1 33.1  
215 46.5 37.4 56.2

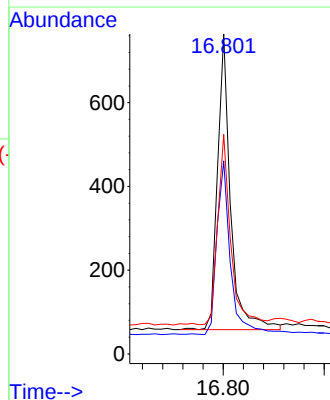
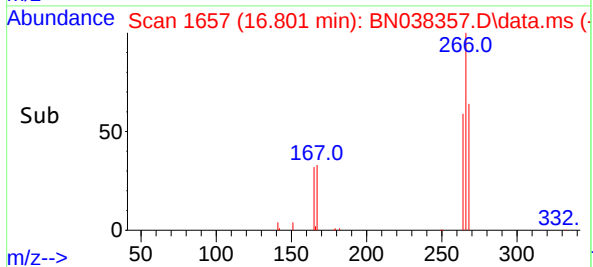
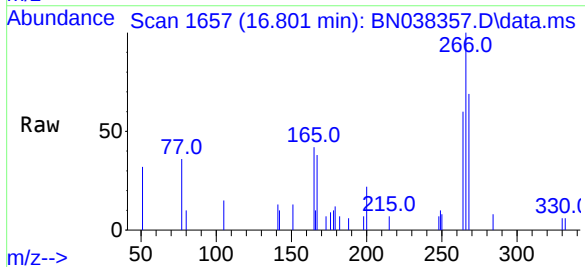
Manual Integrations  
APPROVED

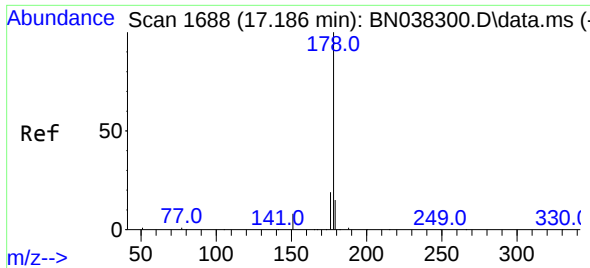
Reviewed By :Rahul Chavli 12/15/2025  
Supervised By :Jagrut Upadhyay 12/15/2025



#24  
Pentachlorophenol  
Concen: 0.275 ng  
RT: 16.801 min Scan# 1657  
Delta R.T. 0.000 min  
Lab File: BN038357.D  
Acq: 12 Dec 2025 18:27

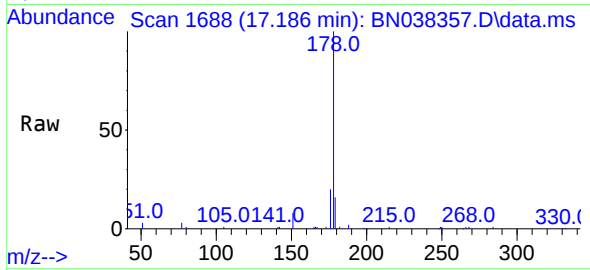
Tgt Ion:266 Resp: 1260  
Ion Ratio Lower Upper  
266 100  
264 61.3 50.2 75.2  
268 63.8 52.6 78.8





#25  
Phenanthrene  
Concen: 0.346 ng  
RT: 17.186 min Scan# 1688  
Delta R.T. 0.000 min  
Lab File: BN038357.D  
Acq: 12 Dec 2025 18:27

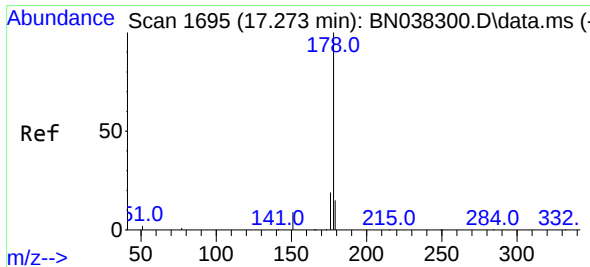
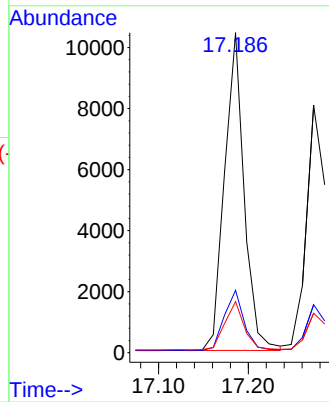
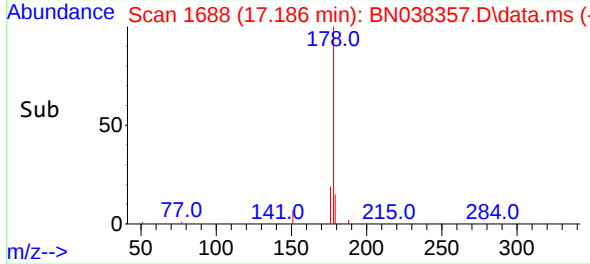
Instrument :  
BNA\_N  
ClientSampleId :  
PB170912BS



Tgt Ion:178 Resp: 15862  
Ion Ratio Lower Upper  
178 100  
176 19.1 15.5 23.3  
179 15.3 12.2 18.2

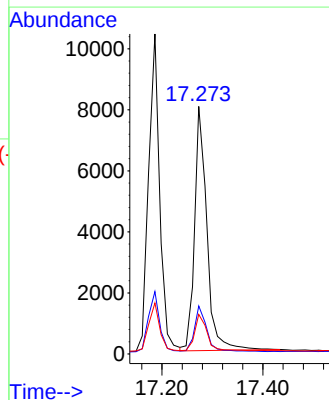
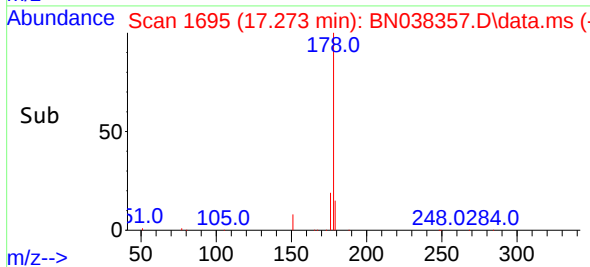
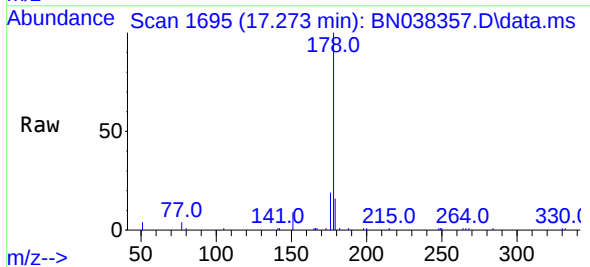
Manual Integrations  
**APPROVED**

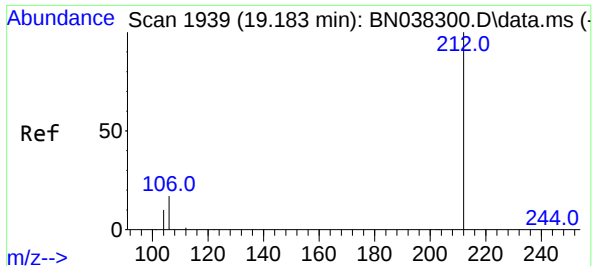
Reviewed By :Rahul Chavli 12/15/2025  
Supervised By :Jagrut Upadhyay 12/15/2025



#26  
Anthracene  
Concen: 0.344 ng  
RT: 17.273 min Scan# 1695  
Delta R.T. -0.012 min  
Lab File: BN038357.D  
Acq: 12 Dec 2025 18:27

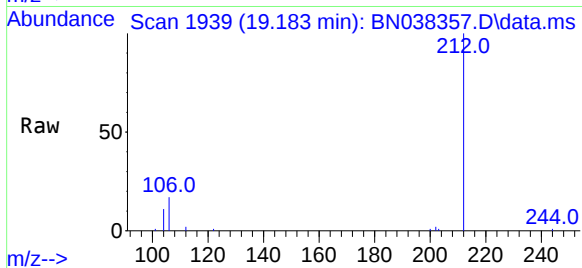
Tgt Ion:178 Resp: 13583  
Ion Ratio Lower Upper  
178 100  
176 18.8 15.1 22.7  
179 14.8 12.0 18.0





#27  
Fluoranthene-d10  
Concen: 0.327 ng  
RT: 19.183 min Scan# 1939  
Delta R.T. -0.005 min  
Lab File: BN038357.D  
Acq: 12 Dec 2025 18:27

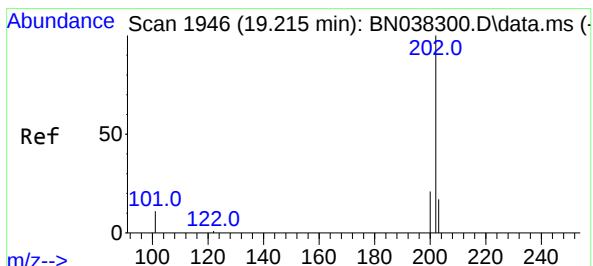
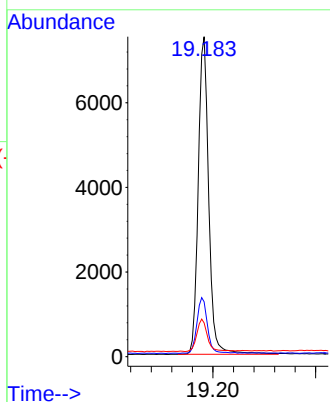
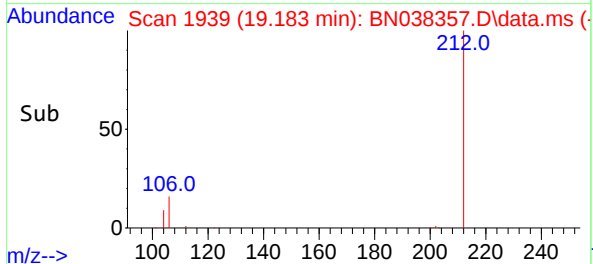
Instrument :  
BNA\_N  
ClientSampleId :  
PB170912BS



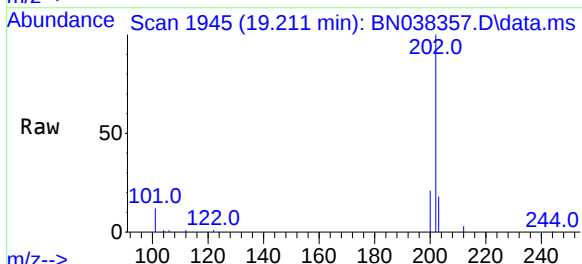
Tgt Ion:212 Resp: 1064  
Ion Ratio Lower Upper  
212 100  
106 17.7 13.7 20.5  
104 10.4 7.8 11.8

Manual Integrations  
**APPROVED**

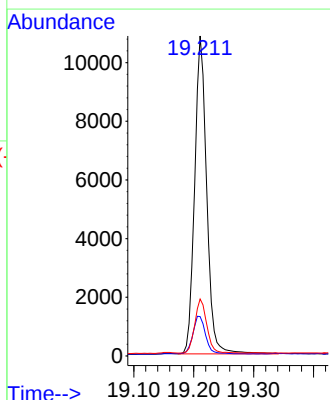
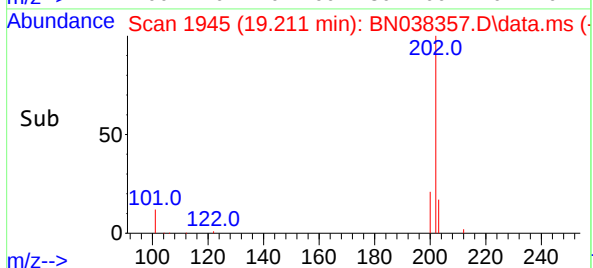
Reviewed By :Rahul Chavli 12/15/2025  
Supervised By :Jagrut Upadhyay 12/15/2025

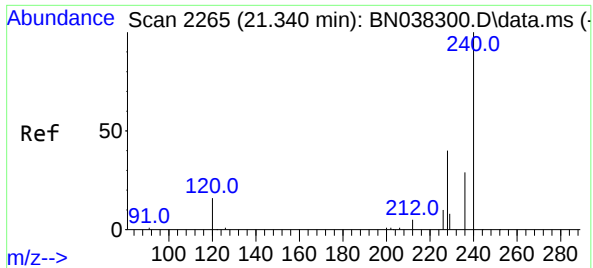


#28  
Fluoranthene  
Concen: 0.311 ng  
RT: 19.211 min Scan# 1945  
Delta R.T. -0.009 min  
Lab File: BN038357.D  
Acq: 12 Dec 2025 18:27



Tgt Ion:202 Resp: 15139  
Ion Ratio Lower Upper  
202 100  
101 13.3 9.6 14.4  
203 16.9 13.5 20.3





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.340 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN038357.D

Acq: 12 Dec 2025 18:27

Instrument :

BNA\_N

ClientSampleId :

PB170912BS

Tgt Ion:240 Resp: 8480

Ion Ratio Lower Upper

240 100

120 16.0 15.4 23.2

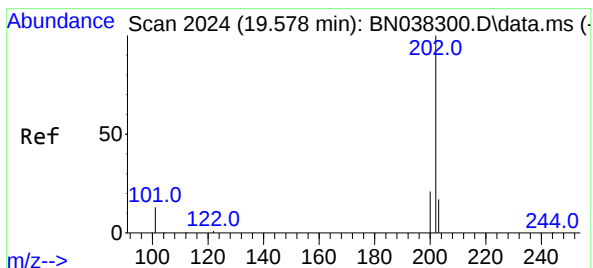
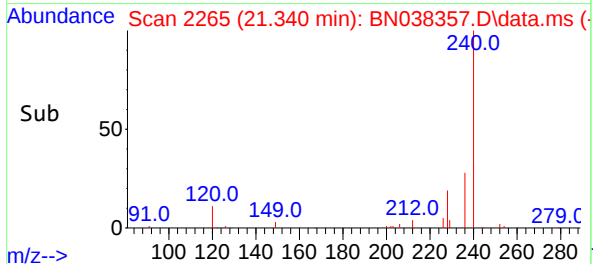
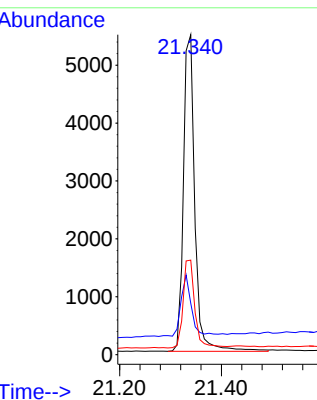
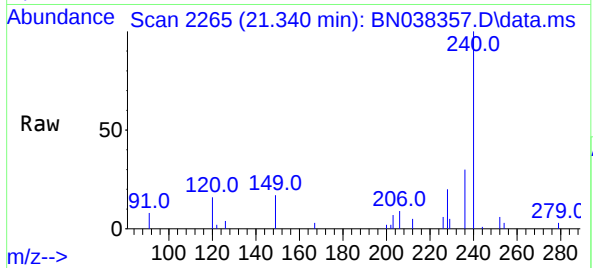
236 29.5 23.9 35.9

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 12/15/2025

Supervised By :Jagrut Upadhyay 12/15/2025



#30

Pyrene

Concen: 0.367 ng

RT: 19.573 min Scan# 2023

Delta R.T. -0.009 min

Lab File: BN038357.D

Acq: 12 Dec 2025 18:27

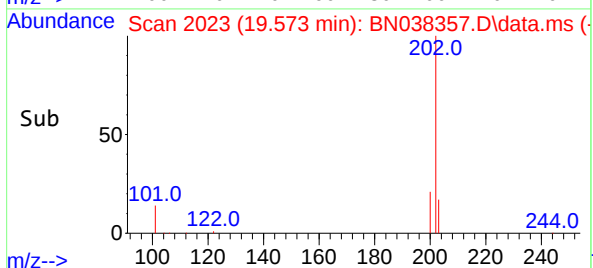
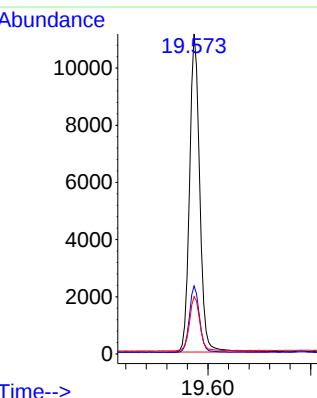
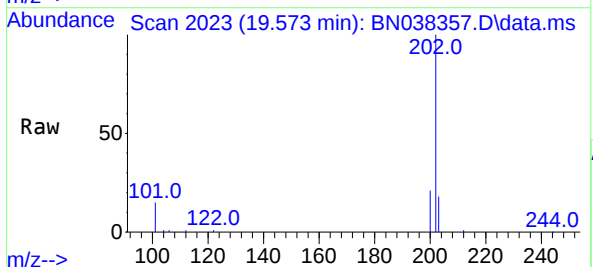
Tgt Ion:202 Resp: 15342

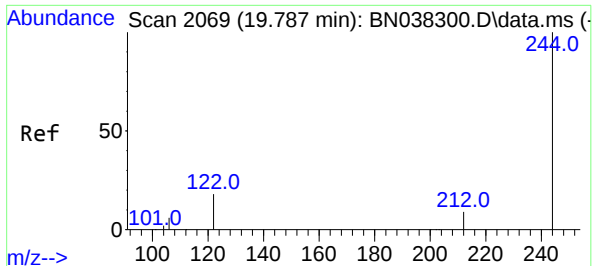
Ion Ratio Lower Upper

202 100

200 20.9 16.9 25.3

203 17.5 14.2 21.2





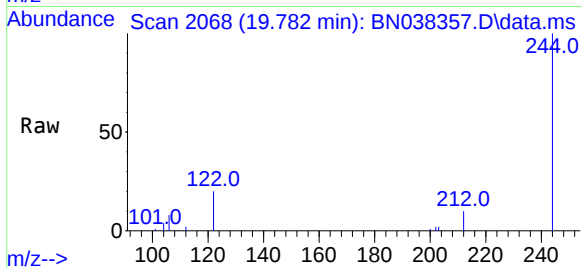
#31  
Terphenyl-d14  
Concen: 0.430 ng  
RT: 19.782 min Scan# 2068  
Delta R.T. -0.009 min  
Lab File: BN038357.D  
Acq: 12 Dec 2025 18:27

Instrument :

BNA\_N

ClientSampleId :

PB170912BS

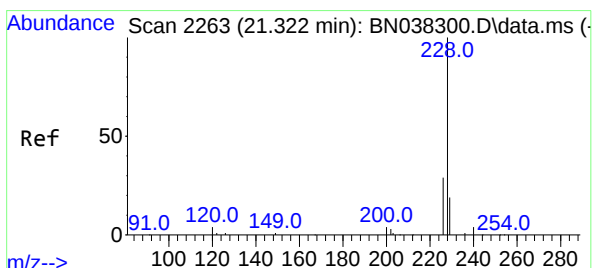
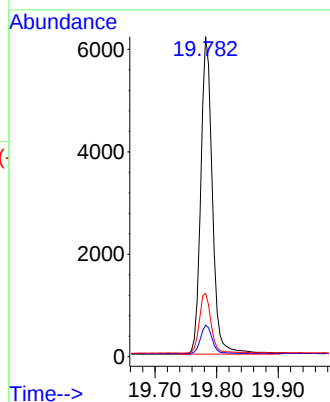


Tgt Ion:244 Resp: 814  
Ion Ratio Lower Upper  
244 100  
212 9.9 7.9 11.9  
122 19.8 15.0 22.6

Manual Integrations

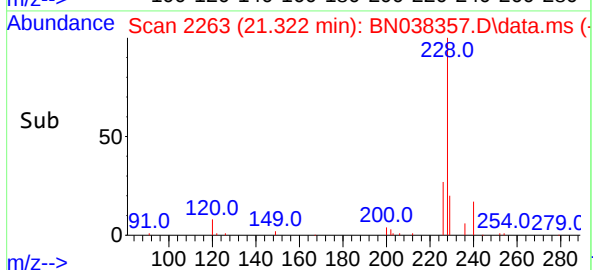
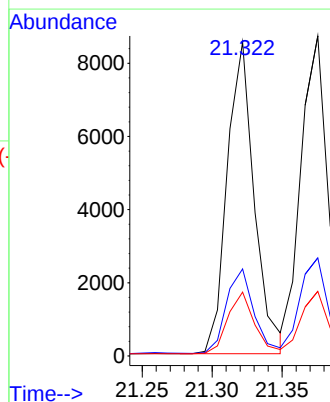
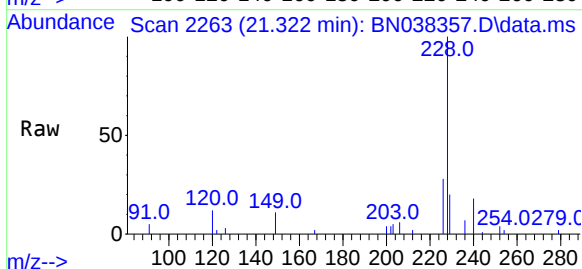
APPROVED

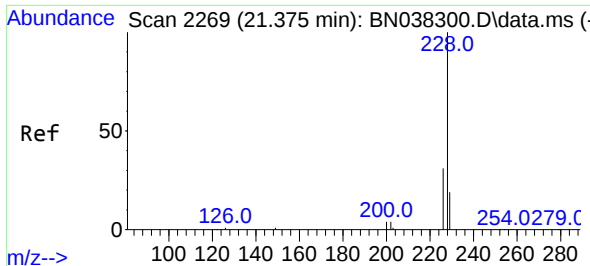
Reviewed By :Rahul Chavli 12/15/2025  
Supervised By :Jagrut Upadhyay 12/15/2025



#32  
Benzo(a)anthracene  
Concen: 0.351 ng  
RT: 21.322 min Scan# 2263  
Delta R.T. -0.009 min  
Lab File: BN038357.D  
Acq: 12 Dec 2025 18:27

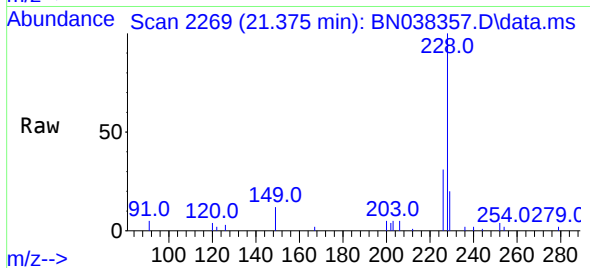
Tgt Ion:228 Resp: 11503  
Ion Ratio Lower Upper  
228 100  
226 27.7 23.3 34.9  
229 20.3 15.7 23.5





#33  
Chrysene  
Concen: 0.344 ng  
RT: 21.375 min Scan# 2126  
Delta R.T. 0.000 min  
Lab File: BN038357.D  
Acq: 12 Dec 2025 18:27

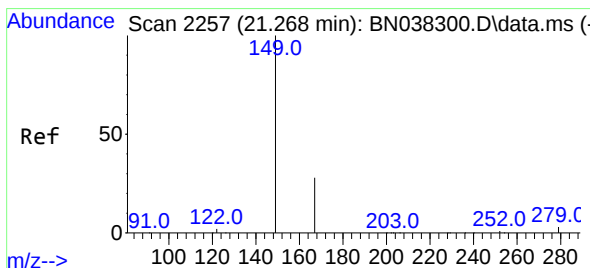
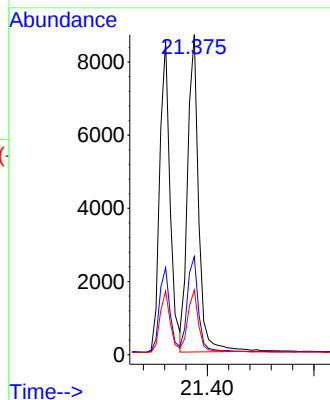
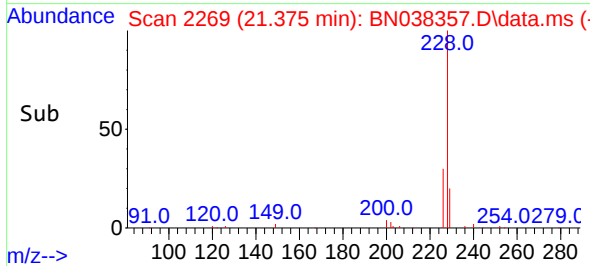
Instrument :  
BNA\_N  
ClientSampleId :  
PB170912BS



Tgt Ion:228 Resp: 12400  
Ion Ratio Lower Upper  
228 100  
226 30.7 25.0 37.4  
229 20.2 15.5 23.3

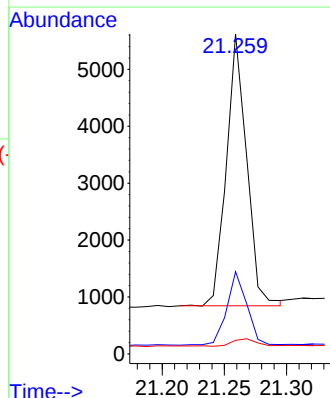
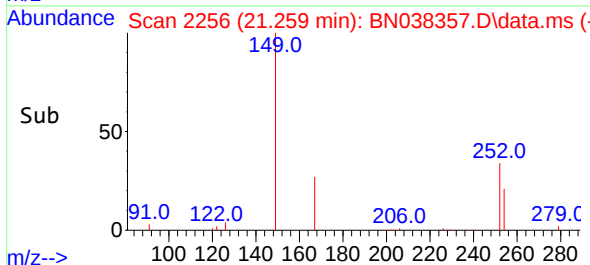
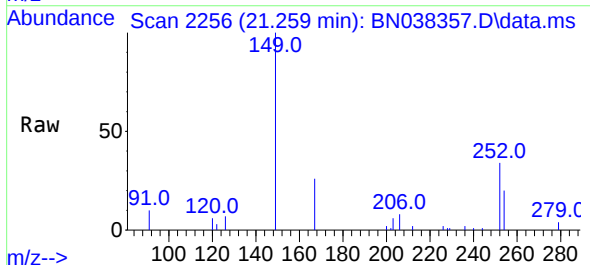
Manual Integrations  
**APPROVED**

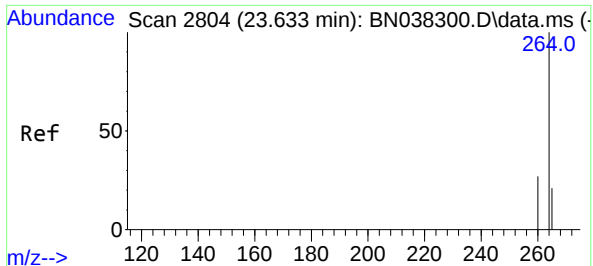
Reviewed By :Rahul Chavli 12/15/2025  
Supervised By :Jagrut Upadhyay 12/15/2025



#34  
Bis(2-ethylhexyl)phthalate  
Concen: 0.302 ng  
RT: 21.259 min Scan# 2256  
Delta R.T. -0.009 min  
Lab File: BN038357.D  
Acq: 12 Dec 2025 18:27

Tgt Ion:149 Resp: 5420  
Ion Ratio Lower Upper  
149 100  
167 26.8 21.4 32.0  
279 3.1 2.4 3.6





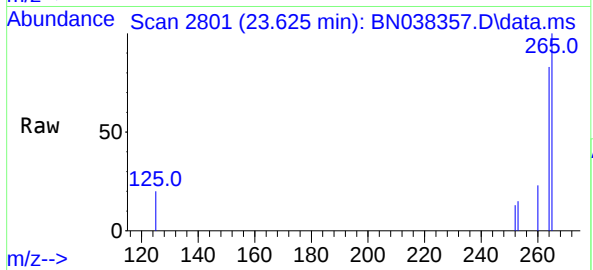
#35  
Perylene-d12  
Concen: 0.400 ng  
RT: 23.625 min Scan# 2801  
Delta R.T. -0.009 min  
Lab File: BN038357.D  
Acq: 12 Dec 2025 18:27

Instrument :

BNA\_N

ClientSampleId :

PB170912BS



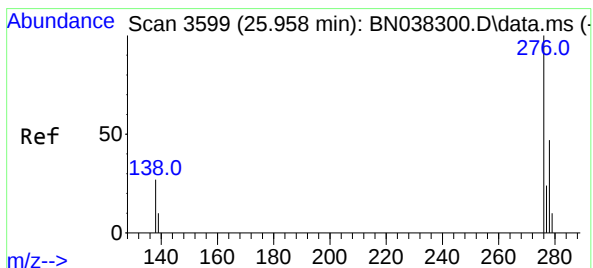
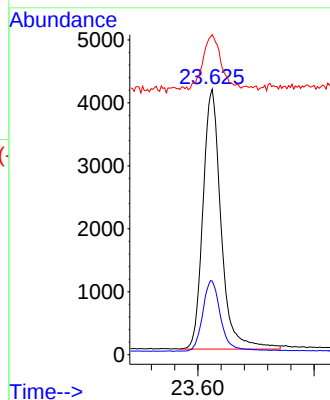
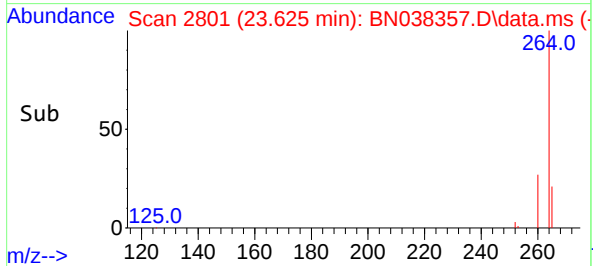
Tgt Ion:264 Resp: 894  
Ion Ratio Lower Upper  
264 100  
260 27.7 22.2 33.2  
265 120.6 80.2 120.2

Manual Integrations

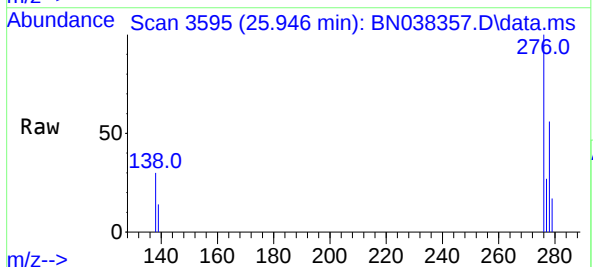
APPROVED

Reviewed By :Rahul Chavli 12/15/2025

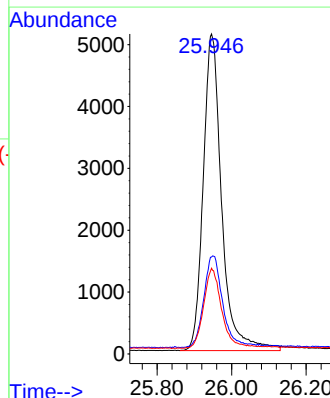
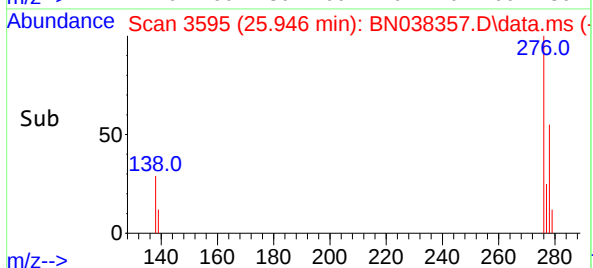
Supervised By :Jagrut Upadhyay 12/15/2025

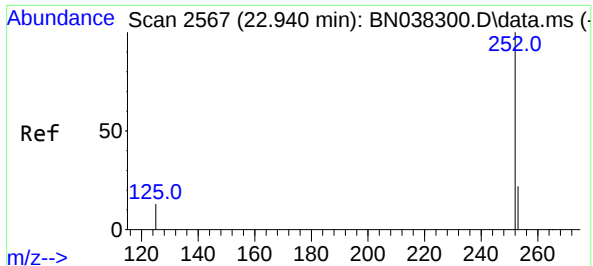


#36  
Indeno(1,2,3-cd)pyrene  
Concen: 0.370 ng  
RT: 25.946 min Scan# 3595  
Delta R.T. -0.017 min  
Lab File: BN038357.D  
Acq: 12 Dec 2025 18:27



Tgt Ion:276 Resp: 17589  
Ion Ratio Lower Upper  
276 100  
138 29.3 23.6 35.4  
277 24.4 19.7 29.5





#37

Benzo(b)fluoranthene

Concen: 0.319 ng

RT: 22.932 min Scan# 2564

Delta R.T. -0.015 min

Lab File: BN038357.D

Acq: 12 Dec 2025 18:27

Instrument :

BNA\_N

ClientSampleId :

PB170912BS

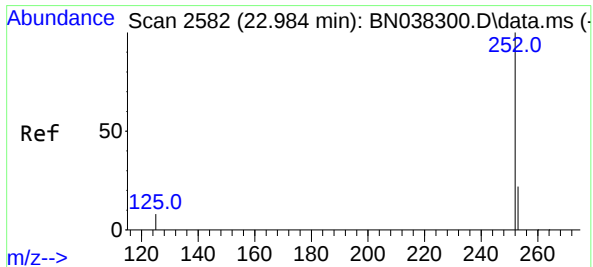
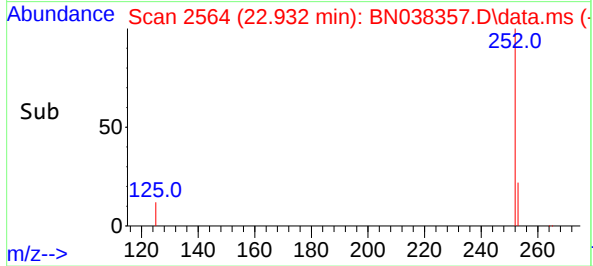
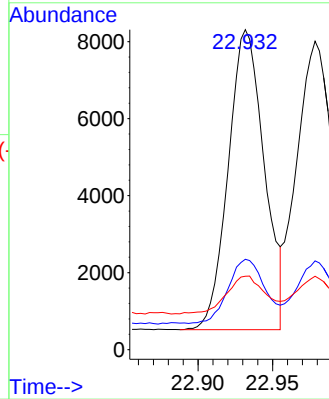
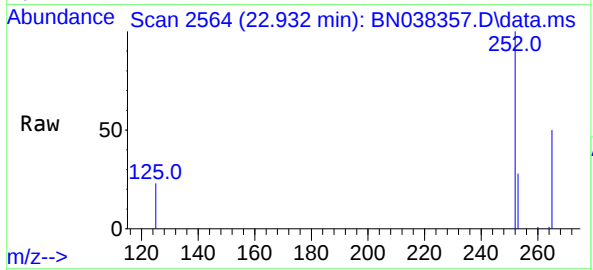
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:252 | Resp: | 13100     |
| Ion Ratio   | Lower | Upper     |
| 252         | 100   |           |
| 253         | 28.2  | 21.1 31.7 |
| 125         | 22.9  | 16.4 24.6 |

Manual Integrations

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Reviewed By :Rahul Chavli 12/15/2025

Supervised By :Jagrut Upadhyay 12/15/2025



#38

Benzo(k)fluoranthene

Concen: 0.332 ng

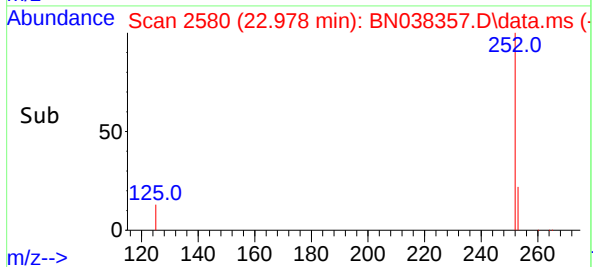
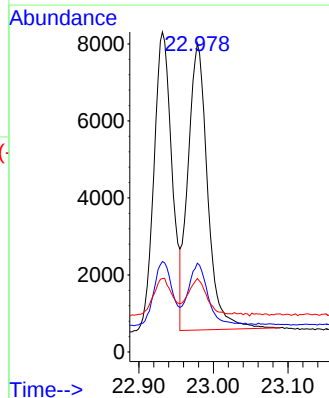
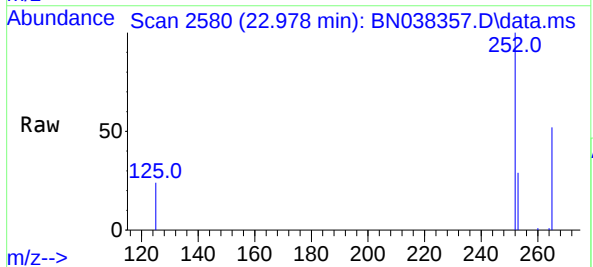
RT: 22.978 min Scan# 2580

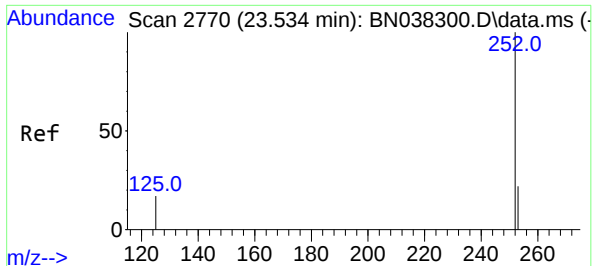
Delta R.T. -0.012 min

Lab File: BN038357.D

Acq: 12 Dec 2025 18:27

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:252 | Resp: | 13592     |
| Ion Ratio   | Lower | Upper     |
| 252         | 100   |           |
| 253         | 28.8  | 21.4 32.0 |
| 125         | 23.8  | 16.2 24.2 |





#39

Benzo(a)pyrene

Concen: 0.348 ng

RT: 23.522 min Scan# 21

Delta R.T. -0.012 min

Lab File: BN038357.D

Acq: 12 Dec 2025 18:27

Instrument :

BNA\_N

ClientSampleId :

PB170912BS

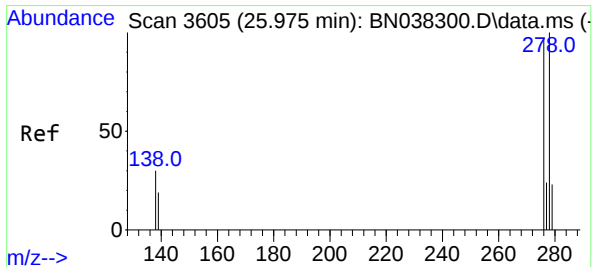
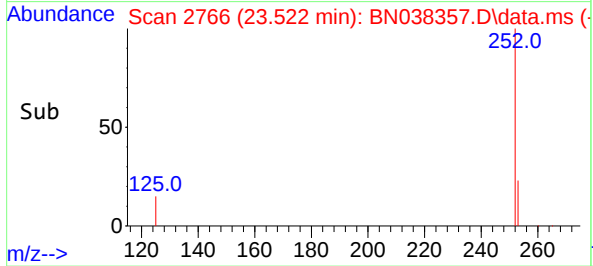
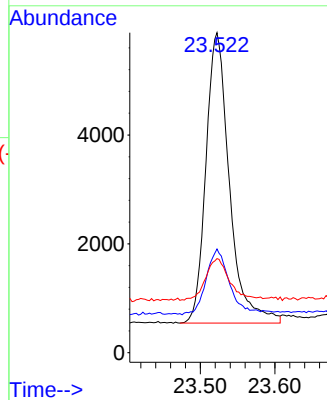
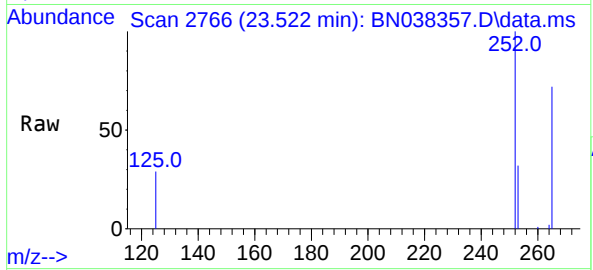
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 252   | Resp: | 11710 |
| Ion      | Ratio | Lower | Upper |
| 252      | 100   |       |       |
| 253      | 32.4  | 23.3  | 34.9  |
| 125      | 29.4  | 22.4  | 33.6  |

Manual Integrations

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Reviewed By :Rahul Chavli 12/15/2025

Supervised By :Jagrut Upadhyay 12/15/2025



#40

Dibenzo(a,h)anthracene

Concen: 0.365 ng

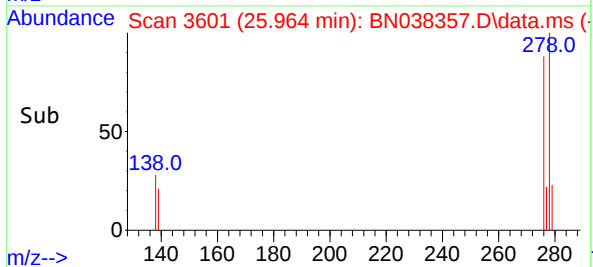
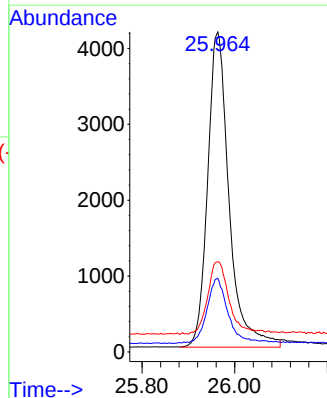
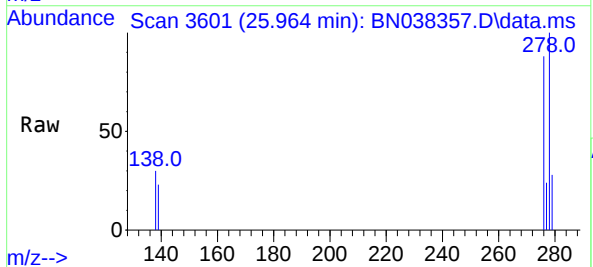
RT: 25.964 min Scan# 3601

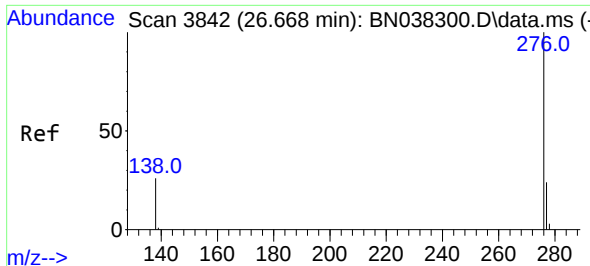
Delta R.T. -0.017 min

Lab File: BN038357.D

Acq: 12 Dec 2025 18:27

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 278   | Resp: | 13361 |
| Ion      | Ratio | Lower | Upper |
| 278      | 100   |       |       |
| 139      | 23.1  | 17.8  | 26.8  |
| 279      | 28.1  | 21.3  | 31.9  |





#41

Benzo(g,h,i)perylene

Concen: 0.374 ng

RT: 26.651 min Scan# 3836

Delta R.T. -0.026 min

Lab File: BN038357.D

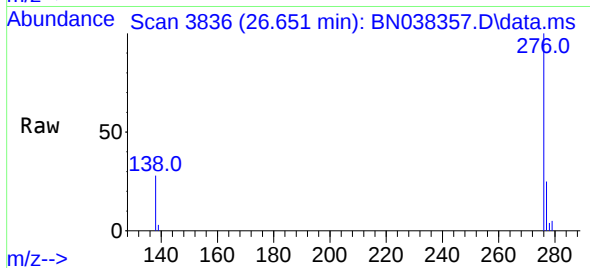
Acq: 12 Dec 2025 18:27

Instrument :

BNA\_N

ClientSampleId :

PB170912BS



Tgt Ion:276 Resp: 1531

Ion Ratio Lower Upper

276 100

277 25.0 20.0 30.0

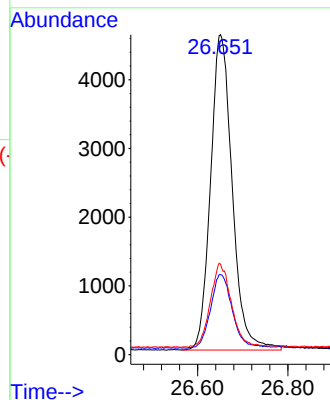
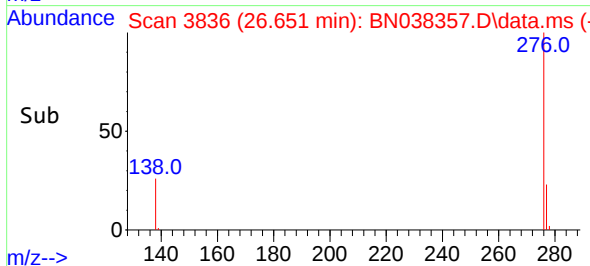
138 28.3 21.8 32.6

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 12/15/2025

Supervised By :Jagrut Upadhyay 12/15/2025





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

## Report of Analysis

|                    |                                           |                 |                |
|--------------------|-------------------------------------------|-----------------|----------------|
| Client:            | JACOBS Engineering Group, Inc.            | Date Collected: |                |
| Project:           | Former Schlumberger STC PTC Site D3868221 | Date Received:  |                |
| Client Sample ID:  | PB170912BSD                               | SDG No.:        | Q3828          |
| Lab Sample ID:     | PB170912BSD                               | Matrix:         | Water          |
| Analytical Method: | SW8270ESIM                                | % Solid:        | 0              |
| Sample Wt/Vol:     | 1000 mL                                   | Test:           | SVOC-SIMGroup1 |
| Prep Method :      | 3510C                                     |                 |                |
|                    | Level: LOW                                |                 |                |
|                    | Final Vol: 1000 uL                        |                 |                |
|                    | Prep Date: 12/11/25                       |                 |                |

| CAS Number                | Parameter               | Conc.             | Qua. | DF | MDL                 | LOQ / CRQL | Units    | Date Ana.      | Prep BatchID |
|---------------------------|-------------------------|-------------------|------|----|---------------------|------------|----------|----------------|--------------|
| <b>TARGETS</b>            |                         |                   |      |    |                     |            |          |                |              |
| 123-91-1                  | 1,4-Dioxane             | 0.29              |      | 1  | 0.070               | 0.20       | ug/L     | 12/12/25 19:03 | PB170912     |
| <b>SURROGATES</b>         |                         |                   |      |    |                     |            |          |                |              |
| 7297-45-2                 | 2-Methylnaphthalene-d10 | 0.38              |      |    | 30 (47) - 150 (106) | 95%        | SPK: 0.4 |                |              |
| 93951-69-0                | Fluoranthene-d10        | 0.34              |      |    | 30 (54) - 150 (157) | 84%        | SPK: 0.4 |                |              |
| 4165-60-0                 | Nitrobenzene-d5         | 0.39              |      |    | 30 (56) - 130 (116) | 97%        | SPK: 0.4 |                |              |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.42              |      |    | 30 (50) - 130 (126) | 106%       | SPK: 0.4 |                |              |
| 1718-51-0                 | Terphenyl-d14           | 0.40              |      |    | 30 (54) - 130 (175) | 100%       | SPK: 0.4 |                |              |
| <b>INTERNAL STANDARDS</b> |                         |                   |      |    |                     |            |          |                |              |
|                           |                         | <b>Area Count</b> |      |    |                     |            |          |                |              |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 5500              |      |    |                     |            |          |                |              |
| 1146-65-2                 | Naphthalene-d8          | 14200             |      |    |                     |            |          |                |              |
| 15067-26-2                | Acenaphthene-d10        | 6820              |      |    |                     |            |          |                |              |
| 1517-22-2                 | Phenanthrene-d10        | 11700             |      |    |                     |            |          |                |              |
| 1719-03-5                 | Chrysene-d12            | 8310              |      |    |                     |            |          |                |              |
| 1520-96-3                 | Perylene-d12            | 8800              |      |    |                     |            |          |                |              |

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\_N\Data\BN121225\  
 Data File : BN038358.D  
 Acq On : 12 Dec 2025 19:03  
 Operator : RC/JU  
 Sample : PB170912BSD  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 PB170912BSD

Manual Integrations  
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Reviewed By :Rahul Chavli 12/15/2025  
 Supervised By :Jagrut Upadhyay 12/15/2025

Quant Time: Dec 13 02:09:38 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN121025.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 10 13:56:50 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.717  | 152  | 5504     | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.519 | 136  | 14243    | 0.400 | ng    | #-0.01   |
| 13) Acenaphthene-d10          | 14.388 | 164  | 6818     | 0.400 | ng    | -0.01    |
| 19) Phenanthrene-d10          | 17.149 | 188  | 11665    | 0.400 | ng    | 0.00     |
| 29) Chrysene-d12              | 21.340 | 240  | 8305     | 0.400 | ng    | # 0.00   |
| 35) Perylene-d12              | 23.622 | 264  | 8801     | 0.400 | ng    | #-0.01   |
|                               |        |      |          |       |       |          |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.290  | 112  | 4917     | 0.359 | ng    | 0.00     |
| 5) Phenol-d6                  | 6.887  | 99   | 5454     | 0.335 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 8.875  | 82   | 4653     | 0.387 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10   | 12.121 | 152  | 7618m    | 0.379 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 15.895 | 330  | 836      | 0.276 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 13.008 | 172  | 13910    | 0.423 | ng    | 0.00     |
| 27) Fluoranthene-d10          | 19.183 | 212  | 9671     | 0.335 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.782 | 244  | 7442     | 0.402 | ng    | 0.00     |
|                               |        |      |          |       |       |          |
| Target Compounds              |        |      |          |       |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.196  | 88   | 1838     | 0.291 | ng    | # 65     |
| 3) n-Nitrosodimethylamine     | 3.507  | 42   | 2757     | 0.348 | ng    | # 97     |
| 6) bis(2-Chloroethyl)ether    | 7.139  | 93   | 5483     | 0.344 | ng    | 96       |
| 9) Naphthalene                | 10.573 | 128  | 14349    | 0.341 | ng    | 100      |
| 10) Hexachlorobutadiene       | 10.872 | 225  | 2638     | 0.352 | ng    | # 99     |
| 12) 2-Methylnaphthalene       | 12.197 | 142  | 8109     | 0.303 | ng    | 99       |
| 16) Acenaphthylene            | 14.110 | 152  | 12558    | 0.375 | ng    | 99       |
| 17) Acenaphthene              | 14.452 | 154  | 7570     | 0.325 | ng    | 98       |
| 18) Fluorene                  | 15.446 | 166  | 9826     | 0.327 | ng    | 100      |
| 20) 4,6-Dinitro-2-methylph... | 15.522 | 198  | 208      | 0.108 | ng    | # 1      |
| 21) 4-Bromophenyl-phenylether | 16.342 | 248  | 2851     | 0.329 | ng    | 97       |
| 22) Hexachlorobenzene         | 16.453 | 284  | 3612     | 0.347 | ng    | 100      |
| 23) Atrazine                  | 16.615 | 200  | 1948     | 0.330 | ng    | 99       |
| 24) Pentachlorophenol         | 16.801 | 266  | 1446     | 0.356 | ng    | 97       |
| 25) Phenanthrene              | 17.186 | 178  | 13452    | 0.331 | ng    | 100      |
| 26) Anthracene                | 17.273 | 178  | 12005    | 0.343 | ng    | 100      |
| 28) Fluoranthene              | 19.211 | 202  | 13300    | 0.308 | ng    | 100      |
| 30) Pyrene                    | 19.573 | 202  | 13499    | 0.330 | ng    | 99       |
| 32) Benzo(a)anthracene        | 21.322 | 228  | 11195    | 0.349 | ng    | 99       |
| 33) Chrysene                  | 21.375 | 228  | 12514    | 0.354 | ng    | 99       |
| 34) Bis(2-ethylhexyl)phtha... | 21.259 | 149  | 5141     | 0.292 | ng    | # 99     |
| 36) Indeno(1,2,3-cd)pyrene    | 25.949 | 276  | 17687    | 0.379 | ng    | 100      |
| 37) Benzo(b)fluoranthene      | 22.935 | 252  | 13459    | 0.333 | ng    | 95       |
| 38) Benzo(k)fluoranthene      | 22.978 | 252  | 14124    | 0.350 | ng    | 97       |
| 39) Benzo(a)pyrene            | 23.522 | 252  | 12179    | 0.368 | ng    | 98       |
| 40) Dibenzo(a,h)anthracene    | 25.961 | 278  | 13531    | 0.376 | ng    | 97       |
| 41) Benzo(g,h,i)perylene      | 26.653 | 276  | 15173    | 0.377 | ng    | 99       |

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

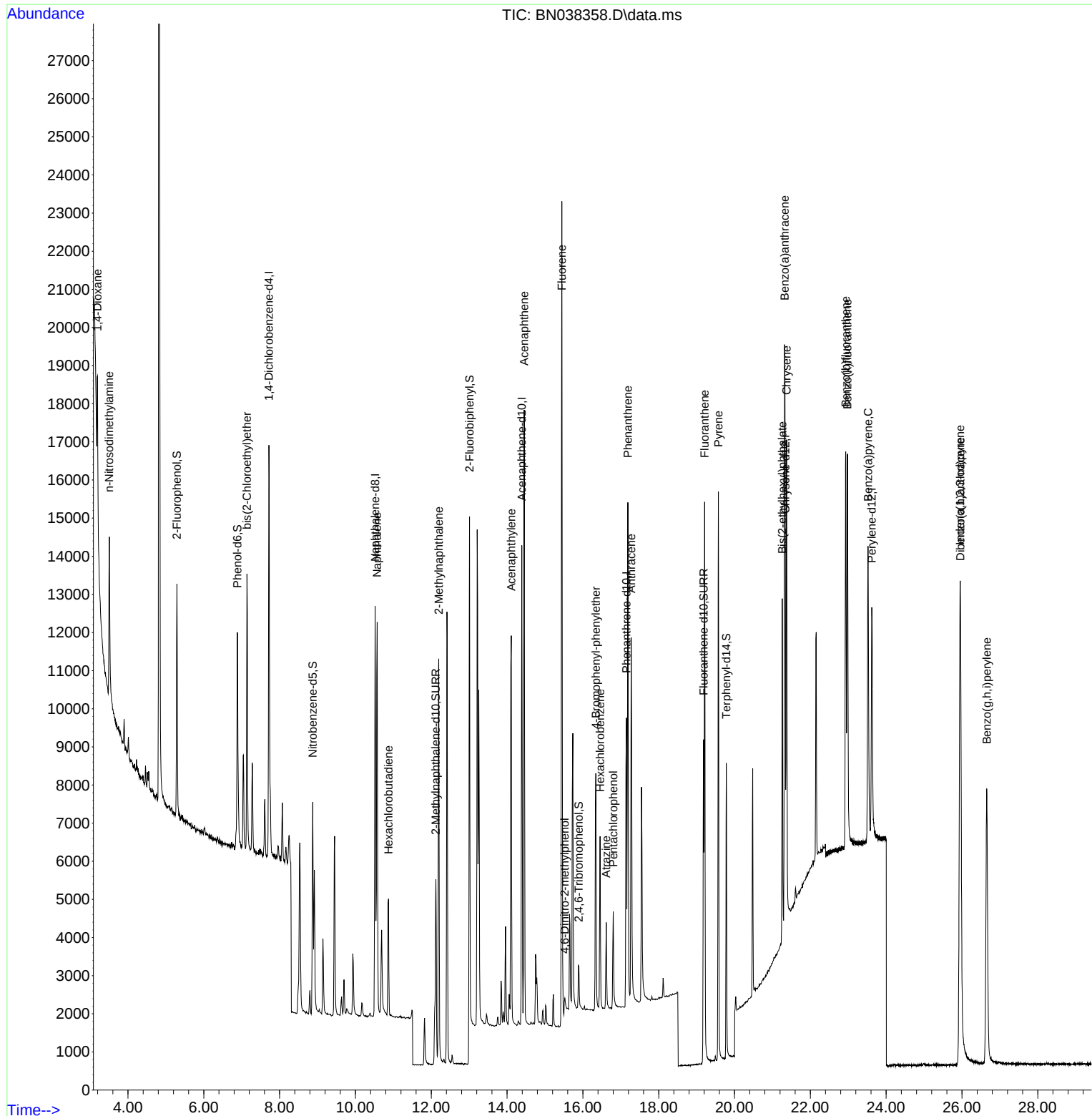
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN121225\  
Data File : BN038358.D  
Acq On : 12 Dec 2025 19:03  
Operator : RC/JU  
Sample : PB170912BSD  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

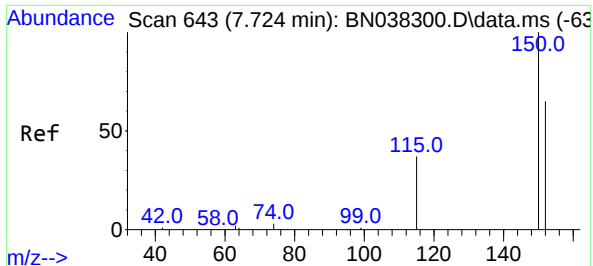
Instrument :  
BNA\_N  
ClientSampleId :  
PB170912BSD

Manual Integrations  
**APPROVED**

Reviewed By :Rahul Chavli 12/15/2025  
Supervised By :Jagrut Upadhyay 12/15/2025

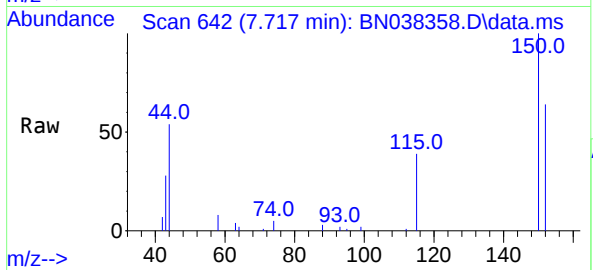
Quant Time: Dec 13 02:09:38 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN121025.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Dec 10 13:56:50 2025  
Response via : Initial Calibration





#1  
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.717 min Scan# 64  
Delta R.T. -0.007 min  
Lab File: BN038358.D  
Acq: 12 Dec 2025 19:03

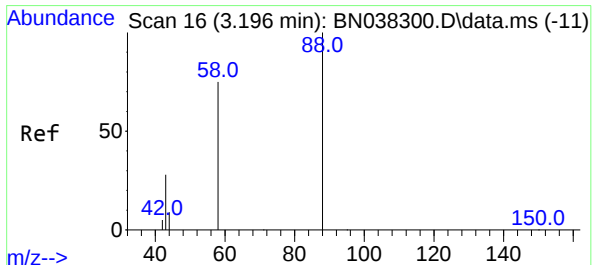
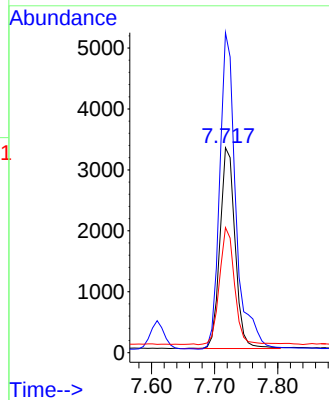
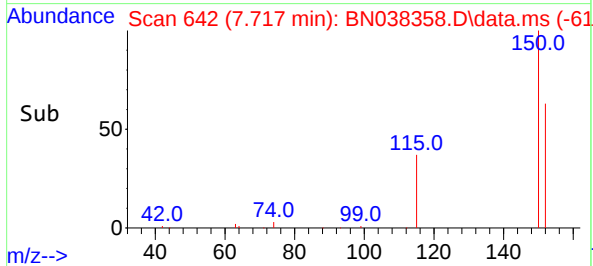
Instrument :  
BNA\_N  
ClientSampleId :  
PB170912BSD



Tgt Ion:152 Resp: 5504  
Ion Ratio Lower Upper  
152 100  
150 156.1 122.4 183.6  
115 61.0 47.3 70.9

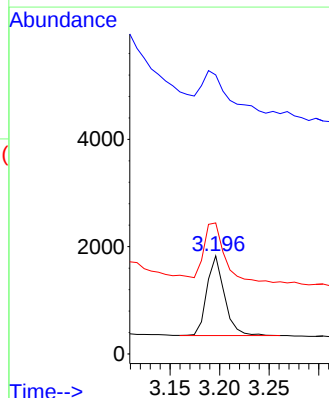
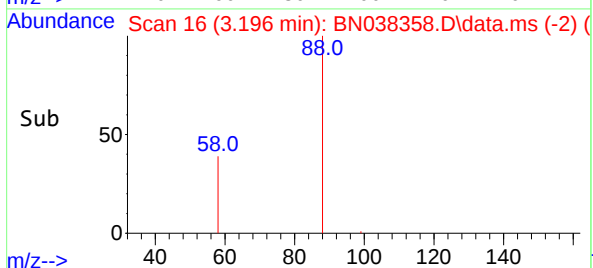
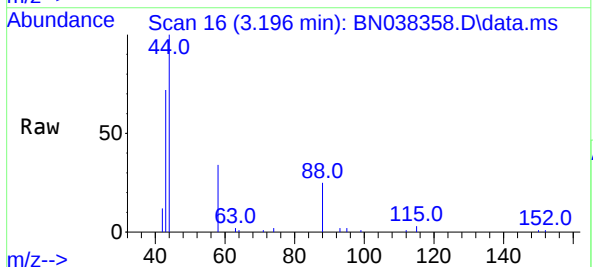
Manual Integrations  
**APPROVED**

Reviewed By :Rahul Chavli 12/15/2025  
Supervised By :Jagrut Upadhyay 12/15/2025

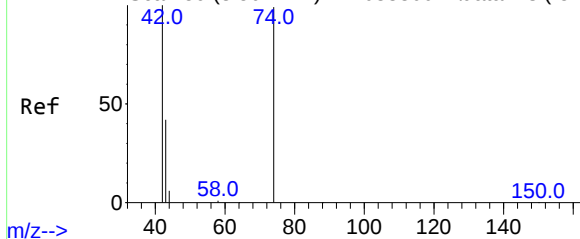


#2  
1,4-Dioxane  
Concen: 0.291 ng  
RT: 3.196 min Scan# 16  
Delta R.T. 0.000 min  
Lab File: BN038358.D  
Acq: 12 Dec 2025 19:03

Tgt Ion: 88 Resp: 1838  
Ion Ratio Lower Upper  
88 100  
43 78.1 24.9 37.3#  
58 89.4 61.4 92.0



Abundance Scan 59 (3.507 min): BN038300.D\data.ms (-52)



#3

n-Nitrosodimethylamine

Concen: 0.348 ng

RT: 3.507 min Scan# 59

Delta R.T. 0.007 min

Lab File: BN038358.D

Acq: 12 Dec 2025 19:03

Instrument :

BNA\_N

ClientSampleId :

PB170912BSD

Tgt Ion: 42 Resp: 275

Ion Ratio Lower Upper

42 100

74 118.3 95.3 142.9

44 0.0 7.9 11.9

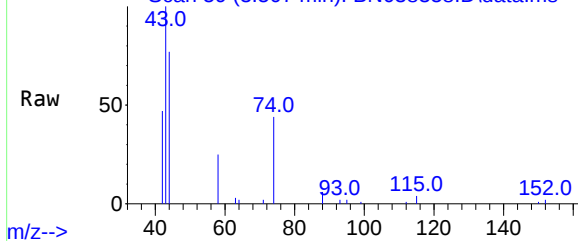
Manual Integrations

APPROVED

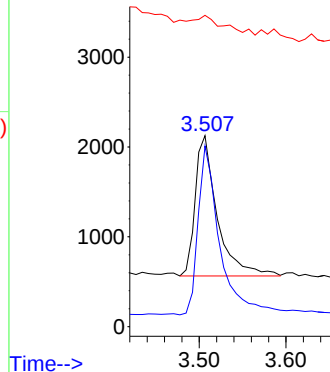
Reviewed By :Rahul Chavli 12/15/2025

Supervised By :Jagrut Upadhyay 12/15/2025

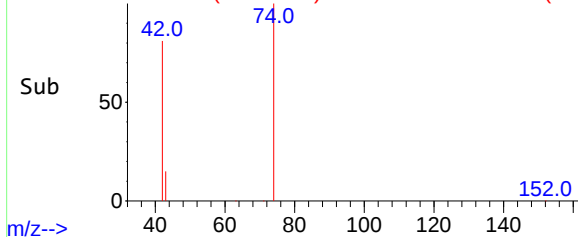
Abundance Scan 59 (3.507 min): BN038358.D\data.ms



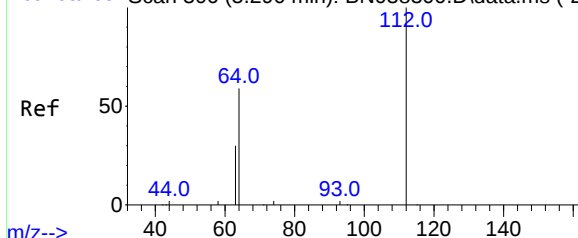
Abundance



Abundance Scan 59 (3.507 min): BN038358.D\data.ms (-37)



Abundance Scan 306 (5.290 min): BN038300.D\data.ms (-29)



#4

2-Fluorophenol

Concen: 0.359 ng

RT: 5.290 min Scan# 306

Delta R.T. 0.000 min

Lab File: BN038358.D

Acq: 12 Dec 2025 19:03

Tgt Ion:112 Resp: 4917

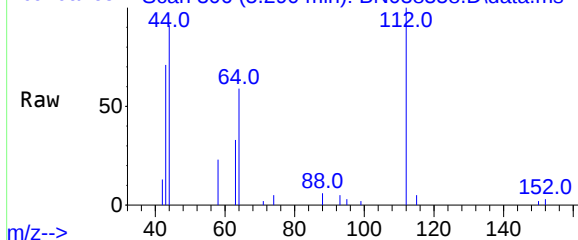
Ion Ratio Lower Upper

112 100

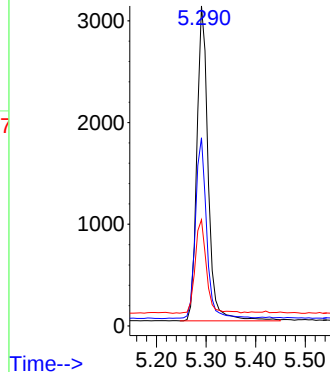
64 56.8 44.4 66.6

63 29.4 23.4 35.0

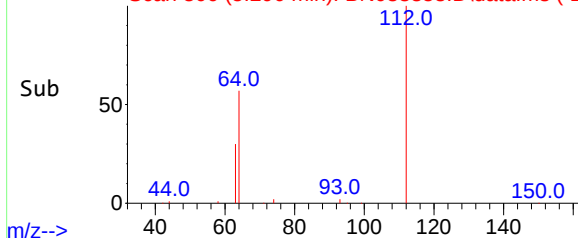
Abundance Scan 306 (5.290 min): BN038358.D\data.ms

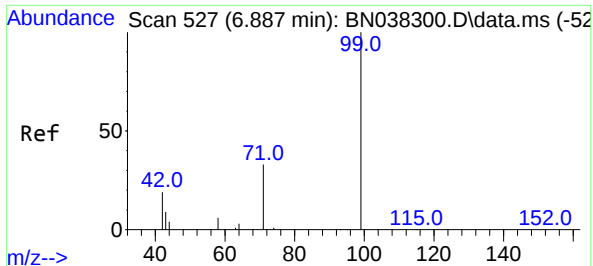


Abundance



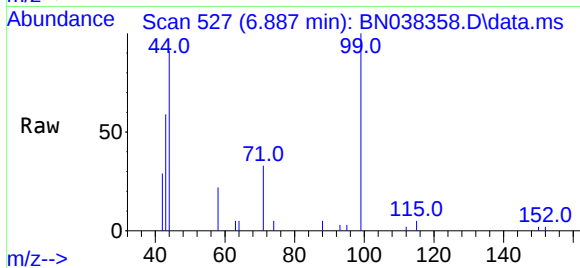
Abundance Scan 306 (5.290 min): BN038358.D\data.ms (-27)





#5  
Phenol-d6  
Concen: 0.335 ng  
RT: 6.887 min Scan# 51  
Delta R.T. 0.000 min  
Lab File: BN038358.D  
Acq: 12 Dec 2025 19:03

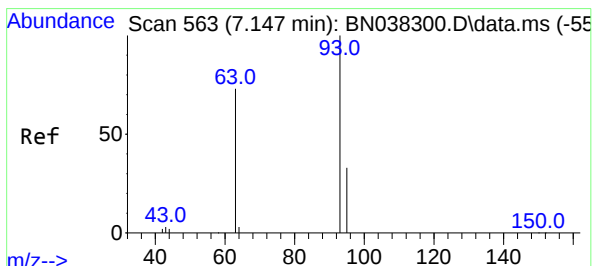
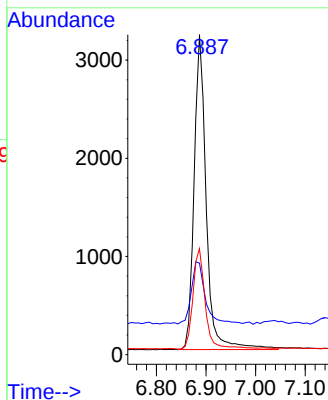
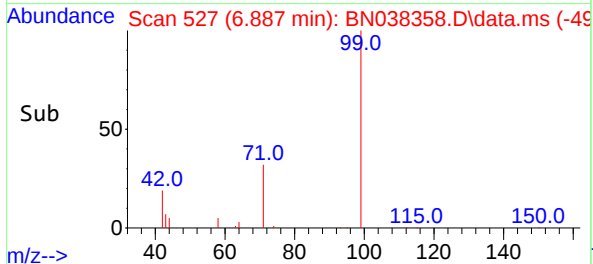
Instrument :  
BNA\_N  
ClientSampleId :  
PB170912BSD



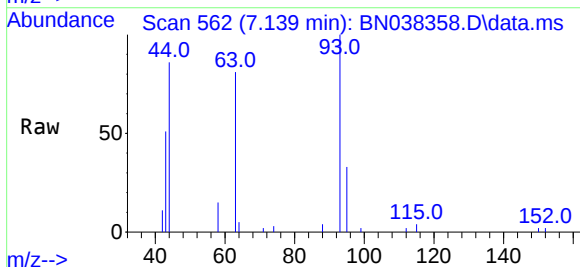
Tgt Ion: 99 Resp: 5454  
Ion Ratio Lower Upper  
99 100  
42 22.5 16.5 24.7  
71 32.2 24.9 37.3

Manual Integrations  
**APPROVED**

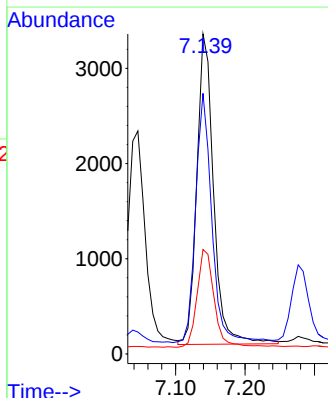
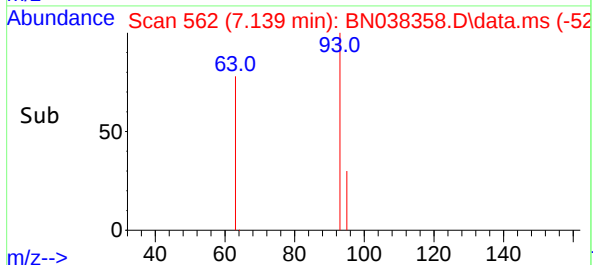
Reviewed By :Rahul Chavli 12/15/2025  
Supervised By :Jagrut Upadhyay 12/15/2025

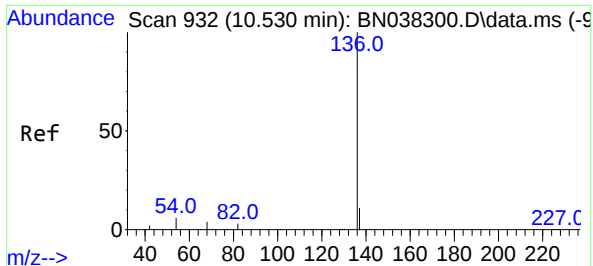


#6  
bis(2-Chloroethyl)ether  
Concen: 0.344 ng  
RT: 7.139 min Scan# 562  
Delta R.T. -0.007 min  
Lab File: BN038358.D  
Acq: 12 Dec 2025 19:03



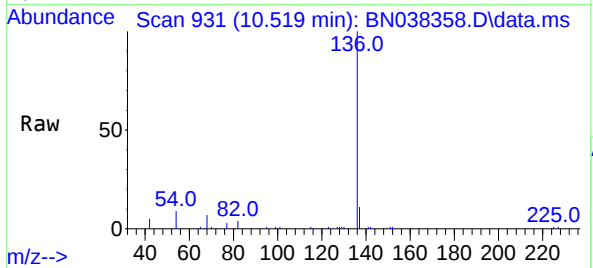
Tgt Ion: 93 Resp: 5483  
Ion Ratio Lower Upper  
93 100  
63 77.9 59.2 88.8  
95 32.6 25.2 37.8





#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.519 min Scan# 91  
Delta R.T. -0.011 min  
Lab File: BN038358.D  
Acq: 12 Dec 2025 19:03

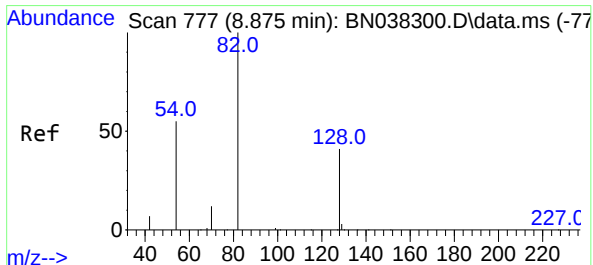
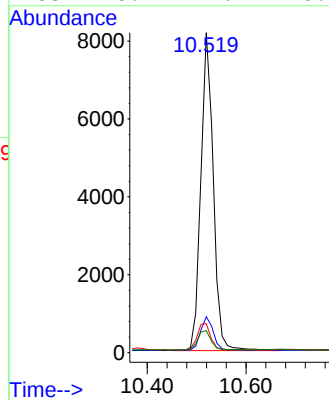
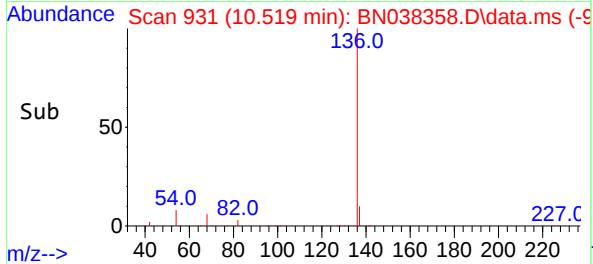
Instrument :  
BNA\_N  
ClientSampleId :  
PB170912BSD



Tgt Ion:136 Resp: 1424  
Ion Ratio Lower Upper  
136 100  
137 11.2 9.1 13.7  
54 9.1 5.2 7.8  
68 6.9 4.1 6.1#

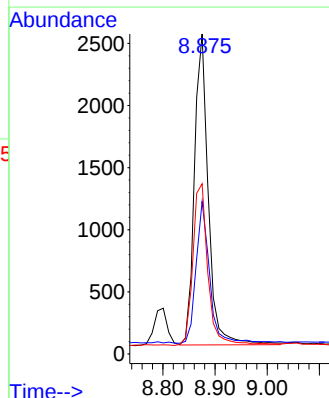
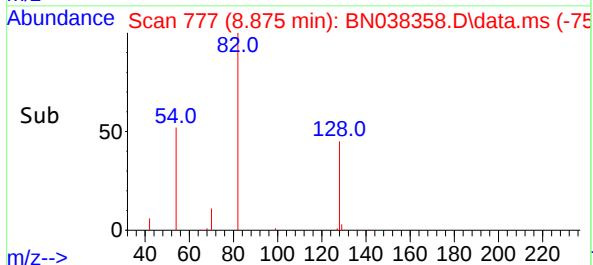
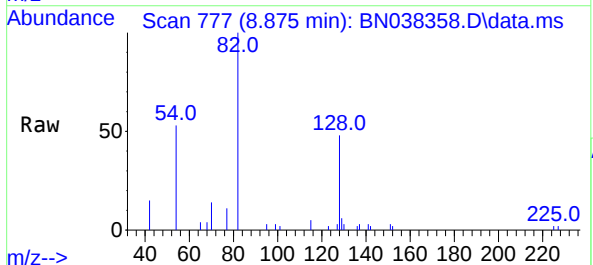
Manual Integrations  
**APPROVED**

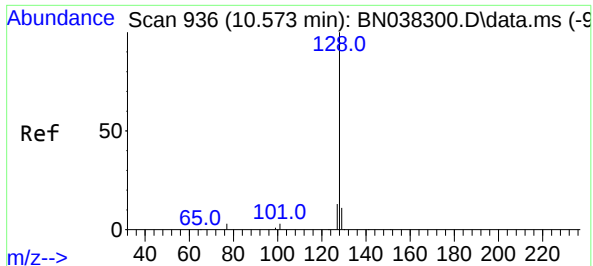
Reviewed By :Rahul Chavli 12/15/2025  
Supervised By :Jagrut Upadhyay 12/15/2025



#8  
Nitrobenzene-d5  
Concen: 0.387 ng  
RT: 8.875 min Scan# 777  
Delta R.T. 0.000 min  
Lab File: BN038358.D  
Acq: 12 Dec 2025 19:03

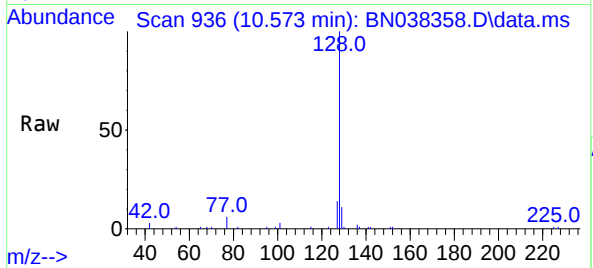
Tgt Ion: 82 Resp: 4653  
Ion Ratio Lower Upper  
82 100  
128 47.7 34.0 51.0  
54 53.2 44.4 66.6





#9  
Naphthalene  
Concen: 0.341 ng  
RT: 10.573 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: BN038358.D  
Acq: 12 Dec 2025 19:03

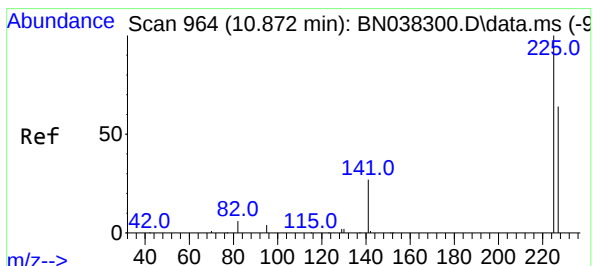
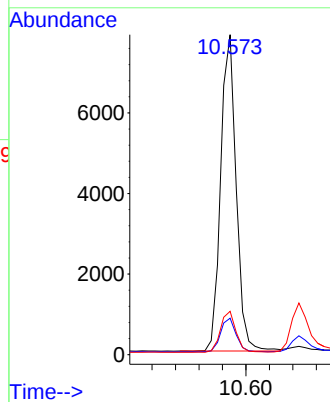
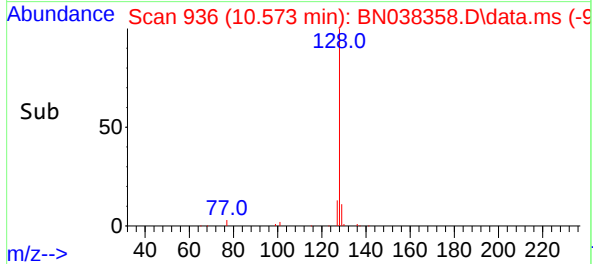
Instrument :  
BNA\_N  
ClientSampleId :  
PB170912BSD



Tgt Ion:128 Resp: 14349  
Ion Ratio Lower Upper  
128 100  
129 11.4 9.1 13.7  
127 13.6 10.9 16.3

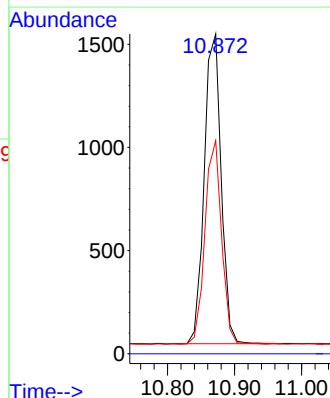
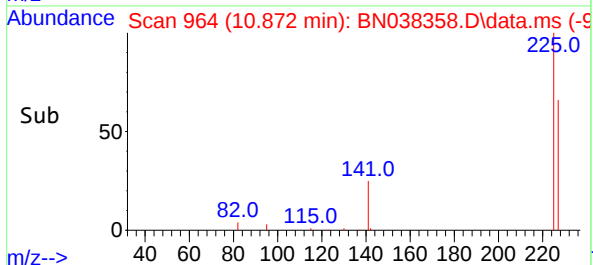
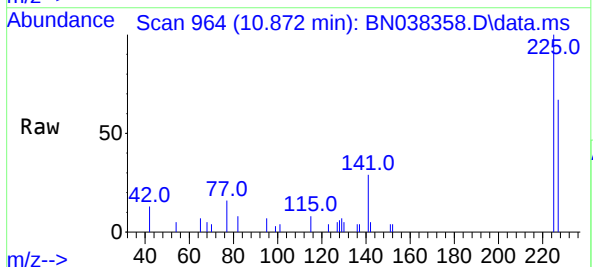
Manual Integrations  
**APPROVED**

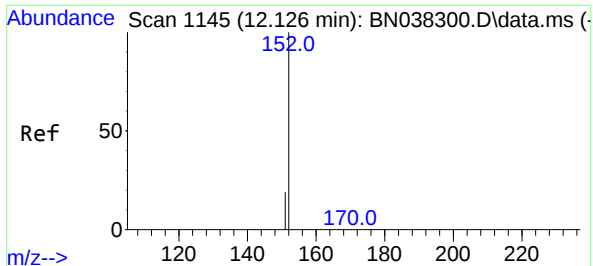
Reviewed By :Rahul Chavli 12/15/2025  
Supervised By :Jagrut Upadhyay 12/15/2025



#10  
Hexachlorobutadiene  
Concen: 0.352 ng  
RT: 10.872 min Scan# 964  
Delta R.T. 0.000 min  
Lab File: BN038358.D  
Acq: 12 Dec 2025 19:03

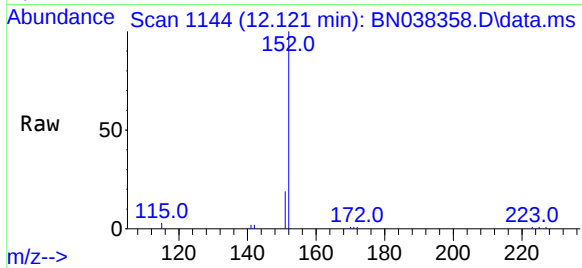
Tgt Ion:225 Resp: 2638  
Ion Ratio Lower Upper  
225 100  
223 0.0 0.0 0.0  
227 64.5 51.2 76.8





#11  
2-Methylnaphthalene-d10  
Concen: 0.379 ng m  
RT: 12.121 min Scan# 1144  
Delta R.T. -0.005 min  
Lab File: BN038358.D  
Acq: 12 Dec 2025 19:03

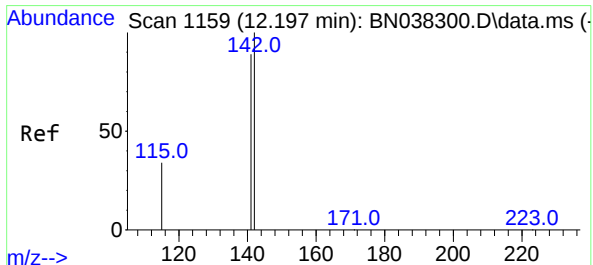
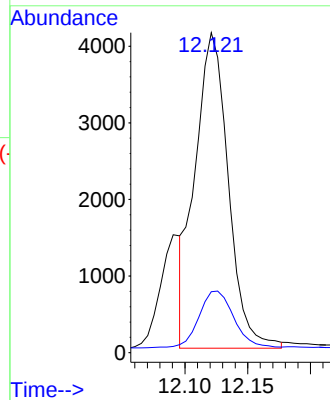
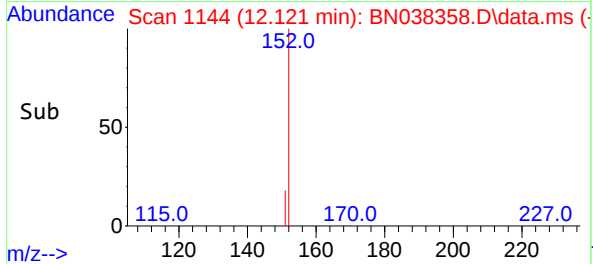
Instrument :  
BNA\_N  
ClientSampleId :  
PB170912BSD



Tgt Ion:152 Resp: 7618  
Ion Ratio Lower Upper  
152 100  
151 19.0 17.0 25.6

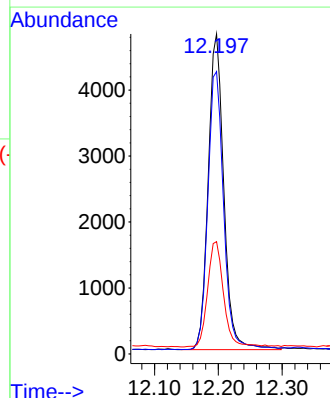
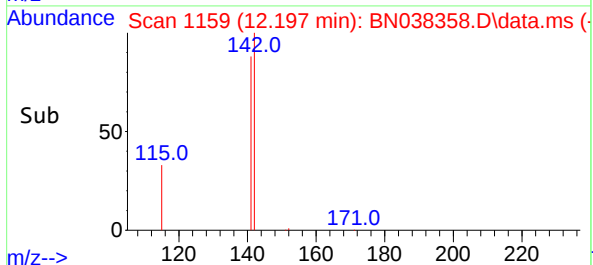
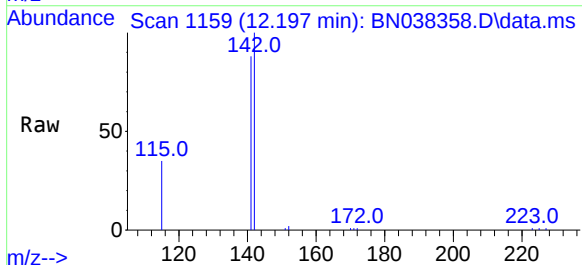
Manual Integrations  
**APPROVED**

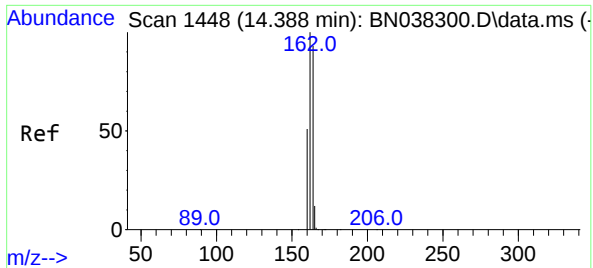
Reviewed By :Rahul Chavli 12/15/2025  
Supervised By :Jagrut Upadhyay 12/15/2025



#12  
2-Methylnaphthalene  
Concen: 0.303 ng  
RT: 12.197 min Scan# 1159  
Delta R.T. -0.005 min  
Lab File: BN038358.D  
Acq: 12 Dec 2025 19:03

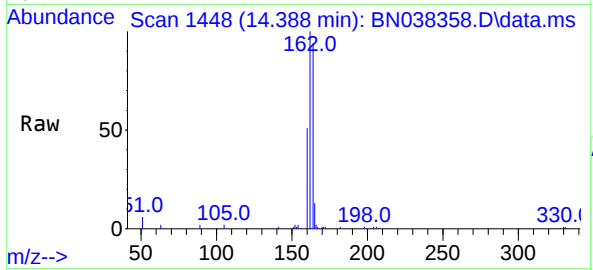
Tgt Ion:142 Resp: 8109  
Ion Ratio Lower Upper  
142 100  
141 88.2 71.4 107.2  
115 35.1 28.4 42.6





#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.388 min Scan# 1448  
Delta R.T. -0.011 min  
Lab File: BN038358.D  
Acq: 12 Dec 2025 19:03

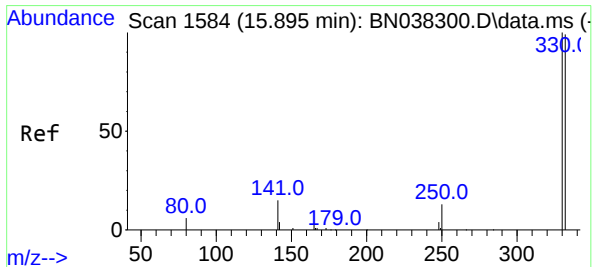
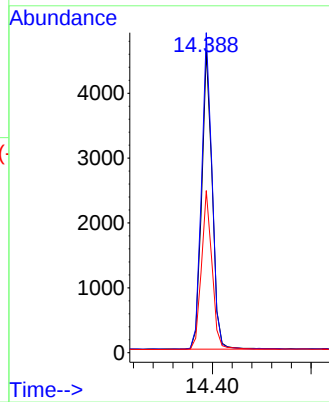
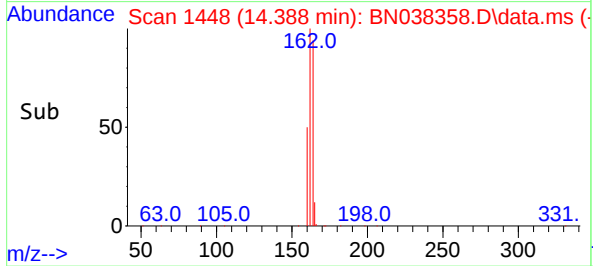
Instrument :  
BNA\_N  
ClientSampleId :  
PB170912BSD



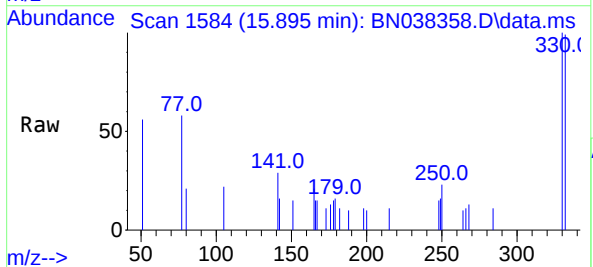
Tgt Ion:164 Resp: 6818  
Ion Ratio Lower Upper  
164 100  
162 106.2 86.2 129.4  
160 53.7 44.6 67.0

Manual Integrations  
**APPROVED**

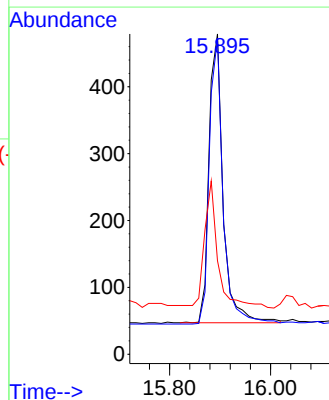
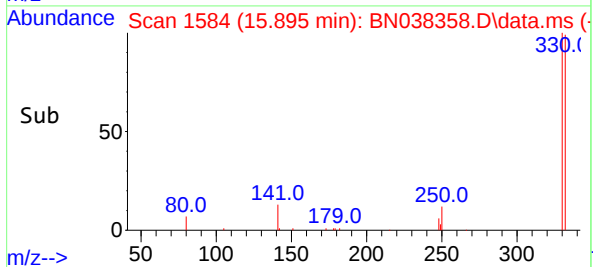
Reviewed By :Rahul Chavli 12/15/2025  
Supervised By :Jagrut Upadhyay 12/15/2025

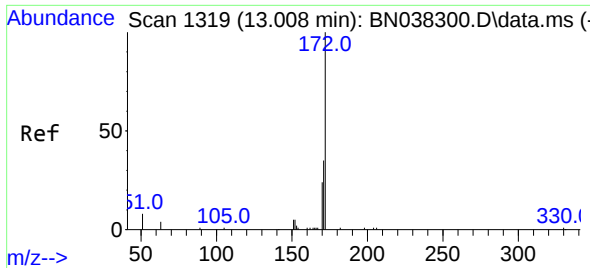


#14  
2,4,6-Tribromophenol  
Concen: 0.276 ng  
RT: 15.895 min Scan# 1584  
Delta R.T. 0.000 min  
Lab File: BN038358.D  
Acq: 12 Dec 2025 19:03



Tgt Ion:330 Resp: 836  
Ion Ratio Lower Upper  
330 100  
332 97.4 75.8 113.6  
141 42.3 31.8 47.8





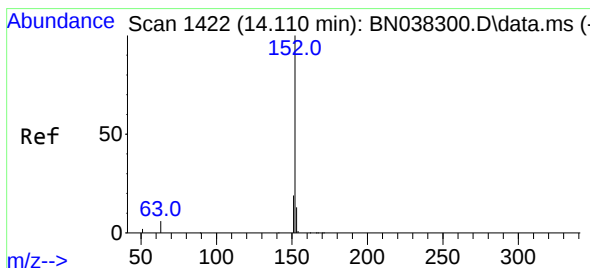
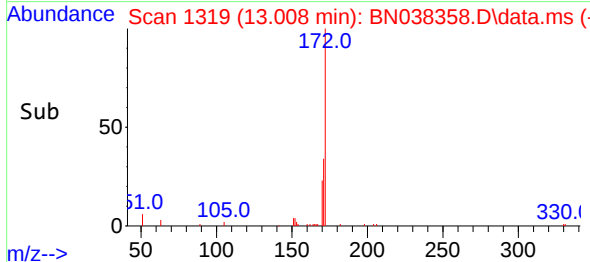
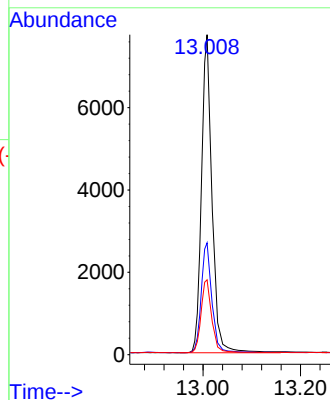
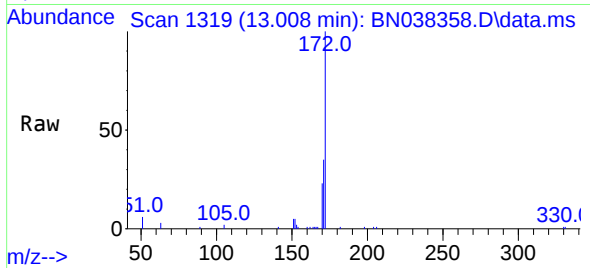
#15  
2-Fluorobiphenyl  
Concen: 0.423 ng  
RT: 13.008 min Scan# 1319  
Delta R.T. 0.000 min  
Lab File: BN038358.D  
Acq: 12 Dec 2025 19:03

Instrument :  
BNA\_N  
ClientSampleId :  
PB170912BSD

Tgt Ion:172 Resp: 13910  
Ion Ratio Lower Upper  
172 100  
171 35.0 28.6 42.8  
170 23.4 19.3 28.9

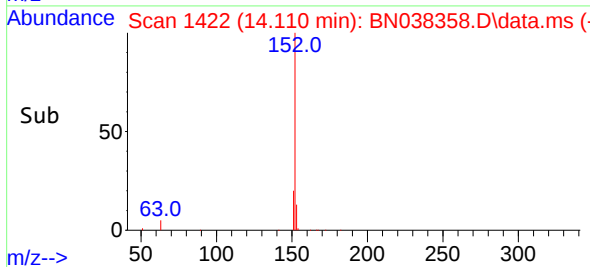
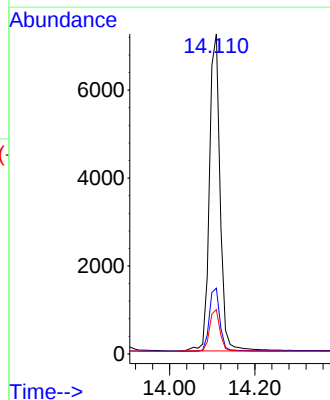
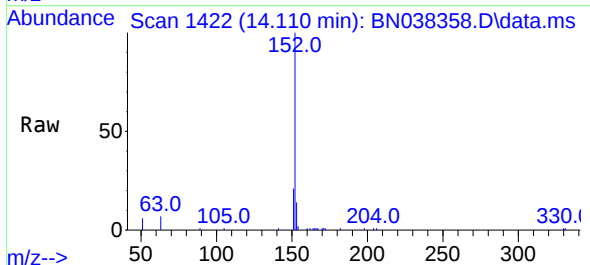
Manual Integrations  
**APPROVED**

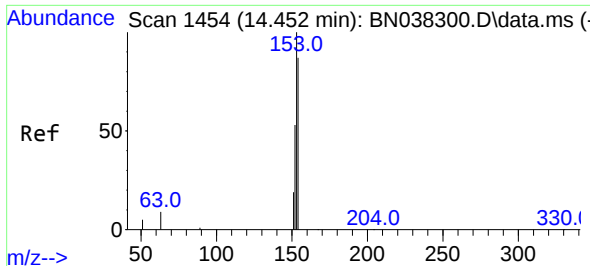
Reviewed By :Rahul Chavli 12/15/2025  
Supervised By :Jagrut Upadhyay 12/15/2025



#16  
Acenaphthylene  
Concen: 0.375 ng  
RT: 14.110 min Scan# 1422  
Delta R.T. 0.000 min  
Lab File: BN038358.D  
Acq: 12 Dec 2025 19:03

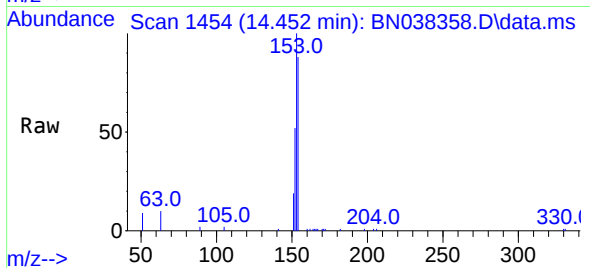
Tgt Ion:152 Resp: 12558  
Ion Ratio Lower Upper  
152 100  
151 20.2 15.4 23.2  
153 13.0 10.2 15.4





#17  
Acenaphthene  
Concen: 0.325 ng  
RT: 14.452 min Scan# 1454  
Delta R.T. -0.011 min  
Lab File: BN038358.D  
Acq: 12 Dec 2025 19:03

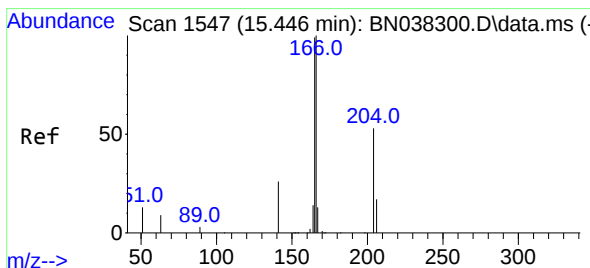
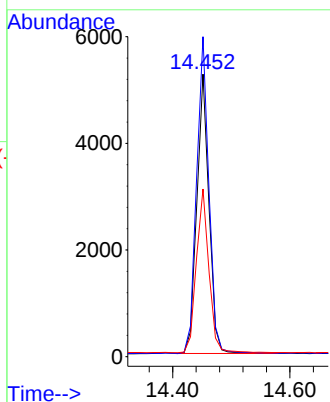
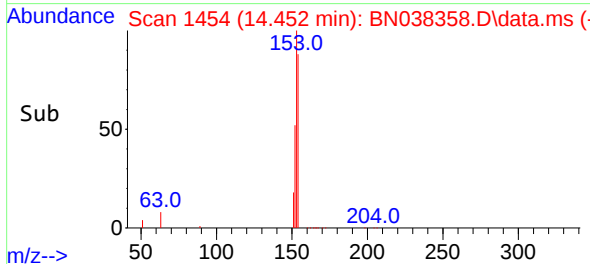
Instrument :  
BNA\_N  
ClientSampleId :  
PB170912BSD



Tgt Ion:154 Resp: 7570  
Ion Ratio Lower Upper  
154 100  
153 114.9 89.8 134.8  
152 60.5 47.5 71.3

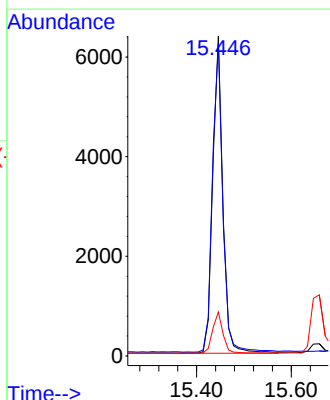
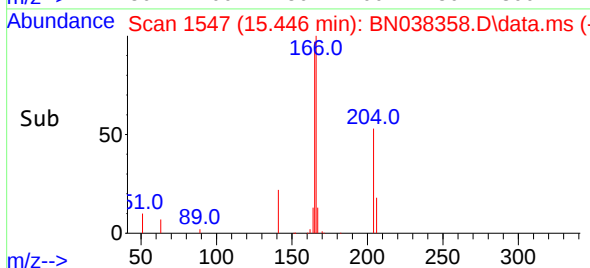
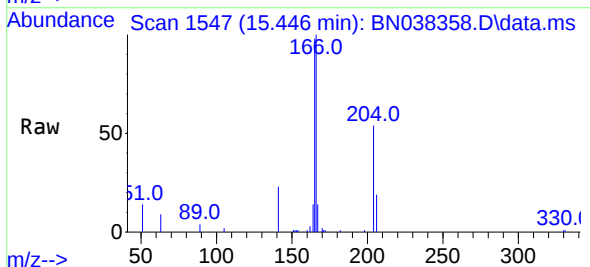
Manual Integrations  
**APPROVED**

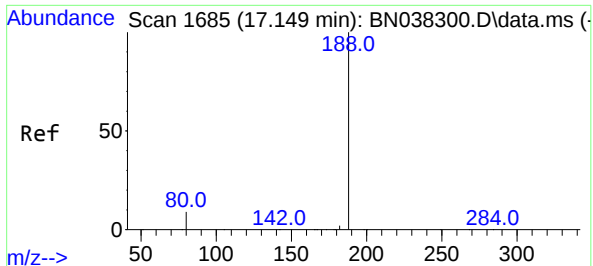
Reviewed By :Rahul Chavli 12/15/2025  
Supervised By :Jagrut Upadhyay 12/15/2025



#18  
Fluorene  
Concen: 0.327 ng  
RT: 15.446 min Scan# 1547  
Delta R.T. -0.000 min  
Lab File: BN038358.D  
Acq: 12 Dec 2025 19:03

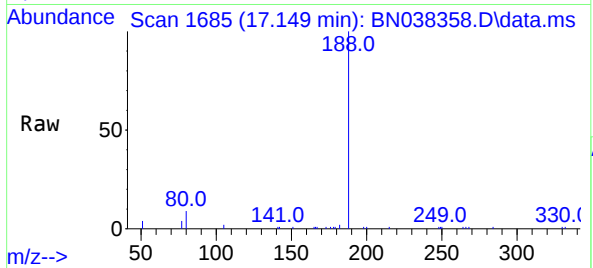
Tgt Ion:166 Resp: 9826  
Ion Ratio Lower Upper  
166 100  
165 100.1 80.2 120.4  
167 13.4 10.6 16.0





#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.149 min Scan# 1685  
Delta R.T. 0.000 min  
Lab File: BN038358.D  
Acq: 12 Dec 2025 19:03

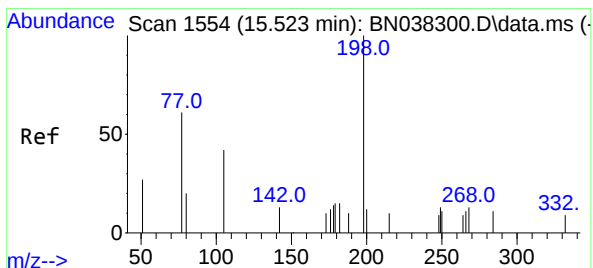
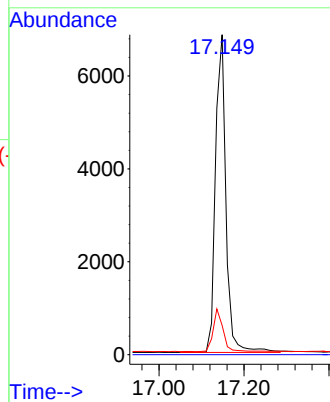
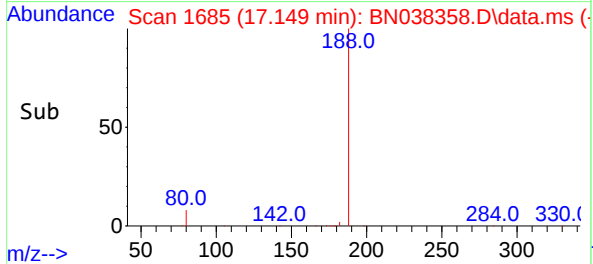
Instrument :  
BNA\_N  
ClientSampleId :  
PB170912BSD



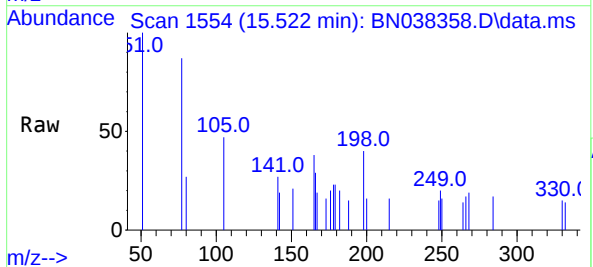
Tgt Ion:188 Resp: 1166  
Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 9.1 7.4 11.0

Manual Integrations  
**APPROVED**

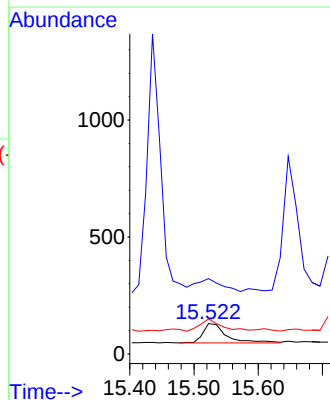
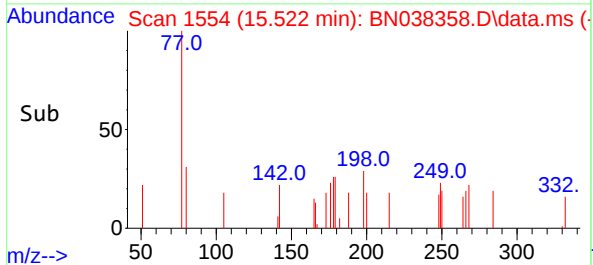
Reviewed By :Rahul Chavli 12/15/2025  
Supervised By :Jagrut Upadhyay 12/15/2025

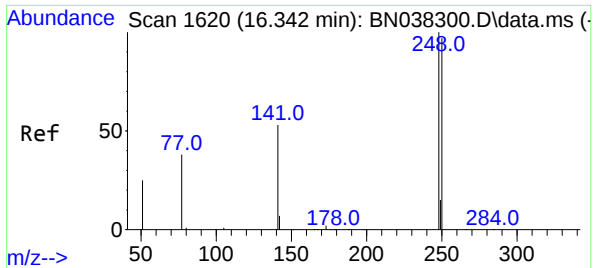


#20  
4,6-Dinitro-2-methylphenol  
Concen: 0.108 ng  
RT: 15.522 min Scan# 1554  
Delta R.T. 0.000 min  
Lab File: BN038358.D  
Acq: 12 Dec 2025 19:03



Tgt Ion:198 Resp: 208  
Ion Ratio Lower Upper  
198 100  
51 247.7 86.3 129.5#  
105 115.4 45.3 67.9#





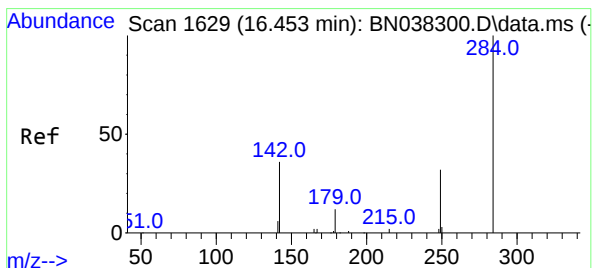
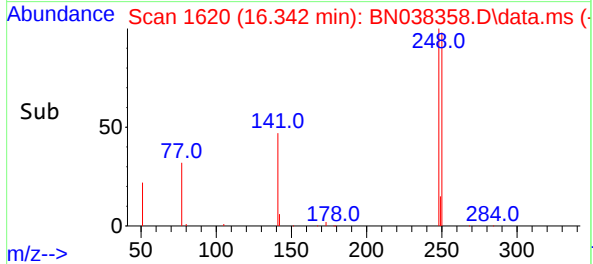
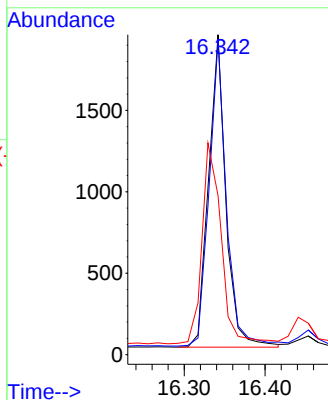
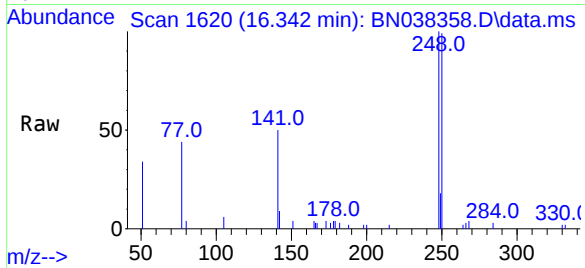
#21  
4-Bromophenyl-phenylether  
Concen: 0.329 ng  
RT: 16.342 min Scan# 1620  
Delta R.T. -0.000 min  
Lab File: BN038358.D  
Acq: 12 Dec 2025 19:03

Instrument :  
BNA\_N  
ClientSampleId :  
PB170912BSD

Tgt Ion:248 Resp: 285  
Ion Ratio Lower Upper  
248 100  
250 98.6 78.2 117.2  
141 49.7 43.7 65.5

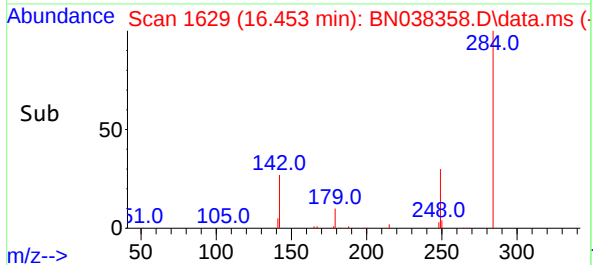
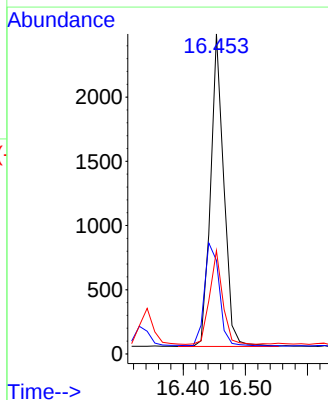
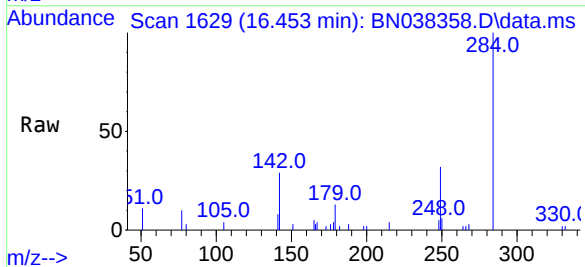
Manual Integrations  
**APPROVED**

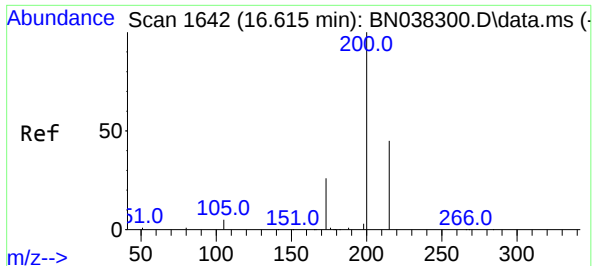
Reviewed By :Rahul Chavli 12/15/2025  
Supervised By :Jagrut Upadhyay 12/15/2025



#22  
Hexachlorobenzene  
Concen: 0.347 ng  
RT: 16.453 min Scan# 1629  
Delta R.T. -0.012 min  
Lab File: BN038358.D  
Acq: 12 Dec 2025 19:03

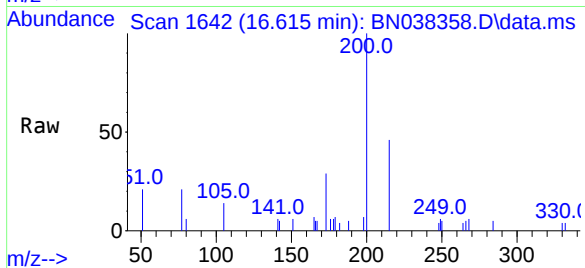
Tgt Ion:284 Resp: 3612  
Ion Ratio Lower Upper  
284 100  
142 37.4 29.5 44.3  
249 29.6 23.7 35.5





#23  
Atrazine  
Concen: 0.330 ng  
RT: 16.615 min Scan# 1642  
Delta R.T. 0.000 min  
Lab File: BN038358.D  
Acq: 12 Dec 2025 19:03

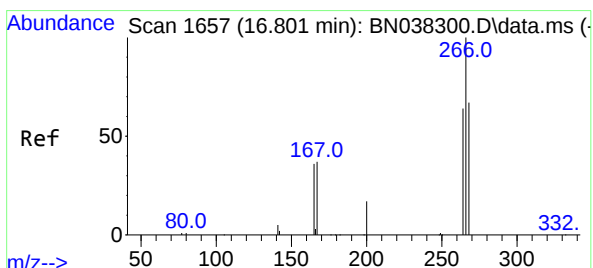
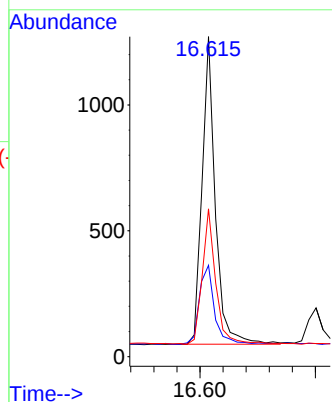
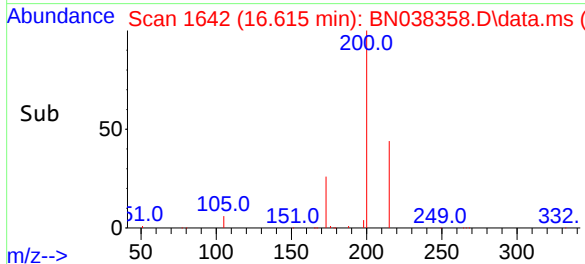
Instrument :  
BNA\_N  
ClientSampleId :  
PB170912BSD



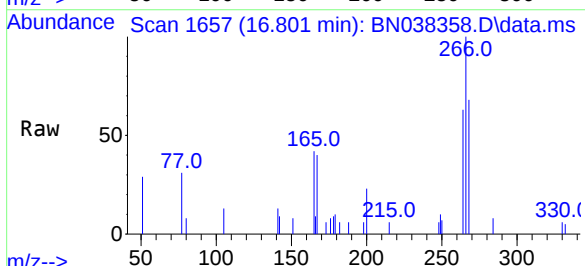
Tgt Ion:200 Resp: 1948  
Ion Ratio Lower Upper  
200 100  
173 28.6 22.1 33.1  
215 46.2 37.4 56.2

Manual Integrations  
APPROVED

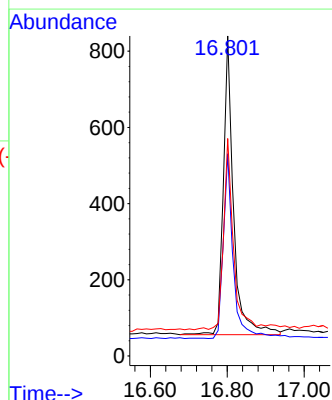
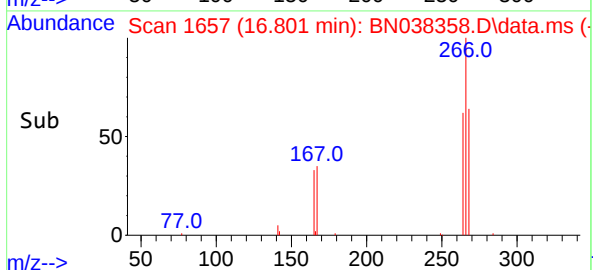
Reviewed By :Rahul Chavli 12/15/2025  
Supervised By :Jagrut Upadhyay 12/15/2025

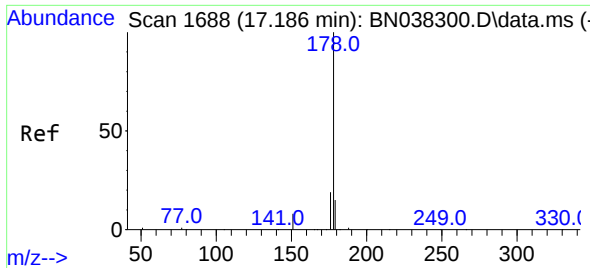


#24  
Pentachlorophenol  
Concen: 0.356 ng  
RT: 16.801 min Scan# 1657  
Delta R.T. 0.000 min  
Lab File: BN038358.D  
Acq: 12 Dec 2025 19:03



Tgt Ion:266 Resp: 1446  
Ion Ratio Lower Upper  
266 100  
264 60.9 50.2 75.2  
268 62.3 52.6 78.8





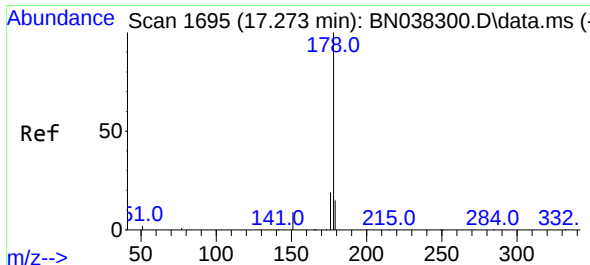
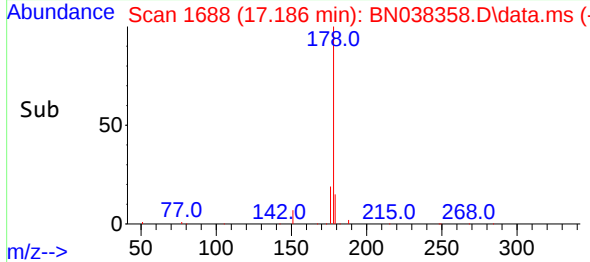
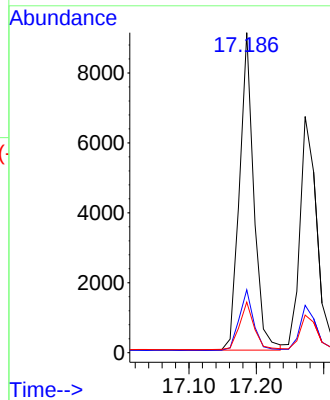
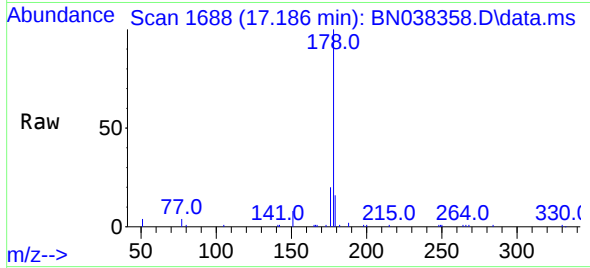
#25  
Phenanthrene  
Concen: 0.331 ng  
RT: 17.186 min Scan# 1688  
Delta R.T. 0.000 min  
Lab File: BN038358.D  
Acq: 12 Dec 2025 19:03

Instrument :  
BNA\_N  
ClientSampleId :  
PB170912BSD

Tgt Ion:178 Resp: 13452  
Ion Ratio Lower Upper  
178 100  
176 19.4 15.5 23.3  
179 15.5 12.2 18.2

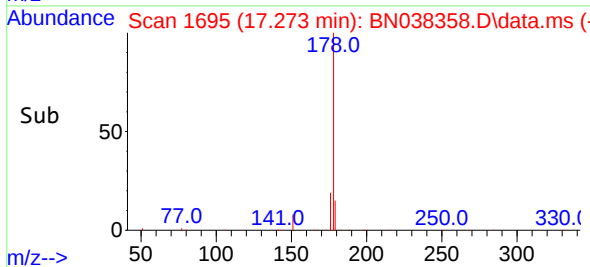
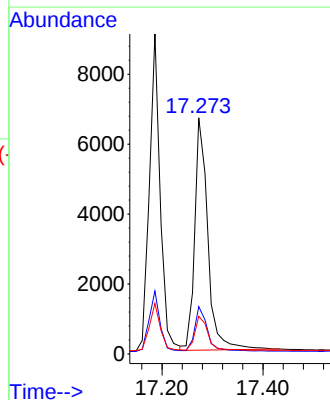
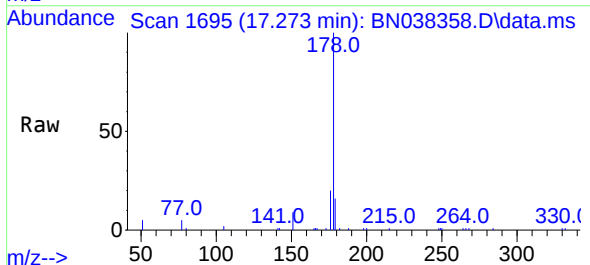
Manual Integrations  
**APPROVED**

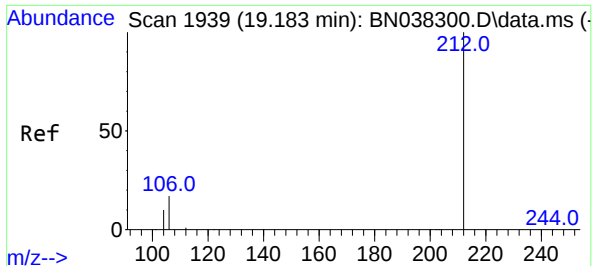
Reviewed By :Rahul Chavli 12/15/2025  
Supervised By :Jagrut Upadhyay 12/15/2025



#26  
Anthracene  
Concen: 0.343 ng  
RT: 17.273 min Scan# 1695  
Delta R.T. -0.012 min  
Lab File: BN038358.D  
Acq: 12 Dec 2025 19:03

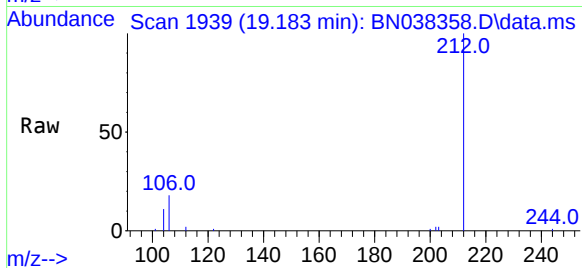
Tgt Ion:178 Resp: 12005  
Ion Ratio Lower Upper  
178 100  
176 18.9 15.1 22.7  
179 15.1 12.0 18.0





#27  
Fluoranthene-d10  
Concen: 0.335 ng  
RT: 19.183 min Scan# 1939  
Delta R.T. -0.005 min  
Lab File: BN038358.D  
Acq: 12 Dec 2025 19:03

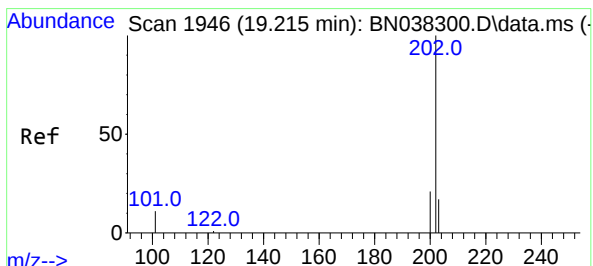
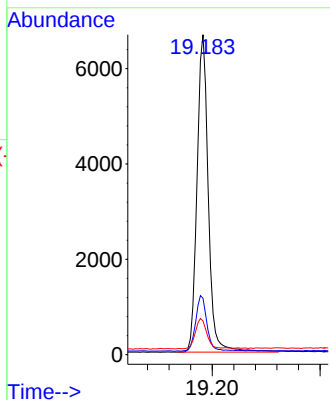
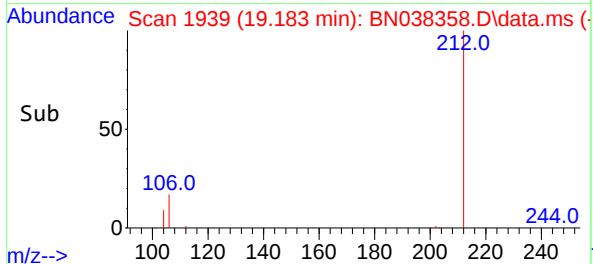
Instrument :  
BNA\_N  
ClientSampleId :  
PB170912BSD



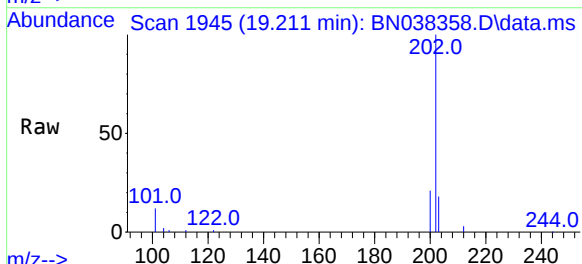
Tgt Ion:212 Resp: 967  
Ion Ratio Lower Upper  
212 100  
106 17.5 13.7 20.5  
104 9.8 7.8 11.8

Manual Integrations  
**APPROVED**

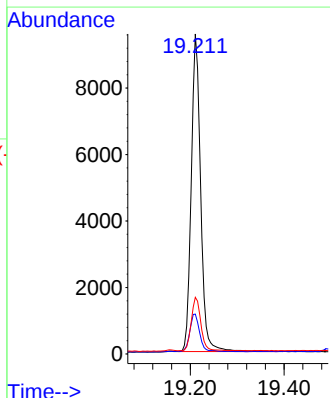
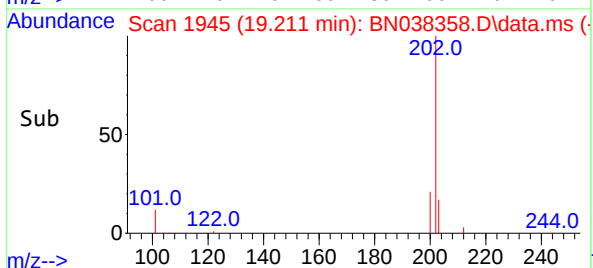
Reviewed By :Rahul Chavli 12/15/2025  
Supervised By :Jagrut Upadhyay 12/15/2025

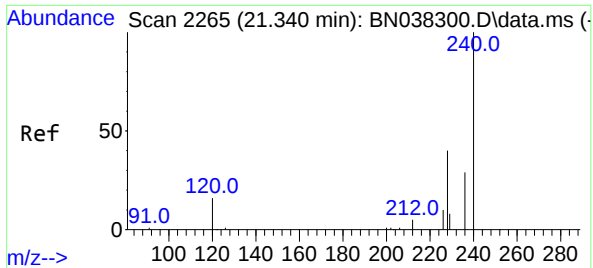


#28  
Fluoranthene  
Concen: 0.308 ng  
RT: 19.211 min Scan# 1945  
Delta R.T. -0.009 min  
Lab File: BN038358.D  
Acq: 12 Dec 2025 19:03



Tgt Ion:202 Resp: 13300  
Ion Ratio Lower Upper  
202 100  
101 12.1 9.6 14.4  
203 17.2 13.5 20.3





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.340 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN038358.D

Acq: 12 Dec 2025 19:03

Instrument :

BNA\_N

ClientSampleId :

PB170912BSD

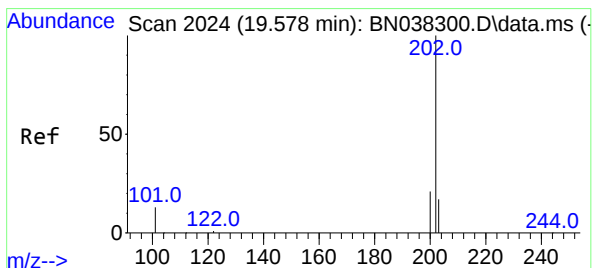
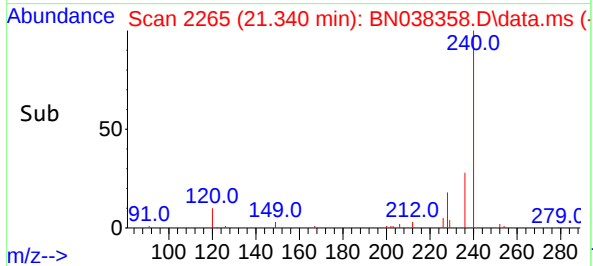
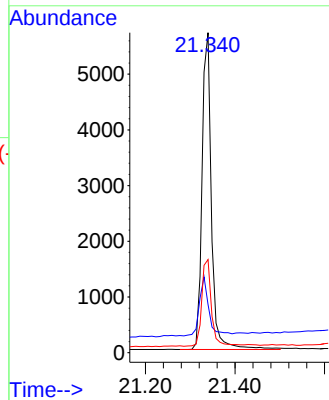
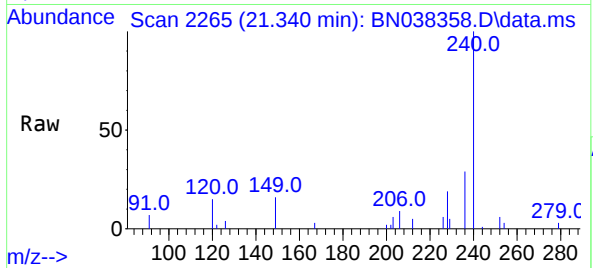
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 240   | Resp: | 830   |
| Ion      | Ratio | Lower | Upper |
| 240      | 100   |       |       |
| 120      | 15.0  | 15.4  | 23.2  |
| 236      | 29.1  | 23.9  | 35.9  |

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 12/15/2025

Supervised By :Jagrut Upadhyay 12/15/2025



#30

Pyrene

Concen: 0.330 ng

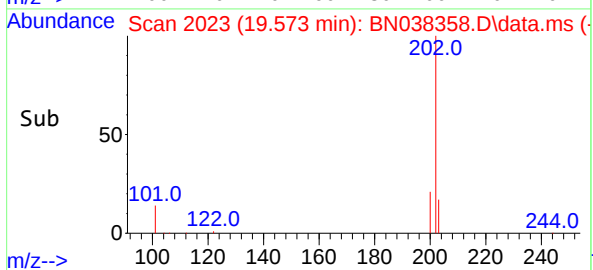
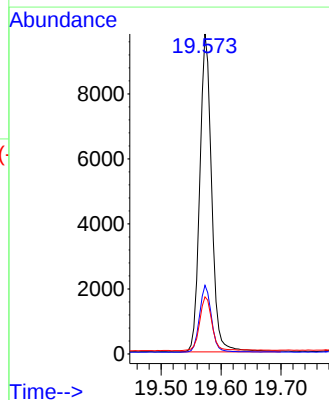
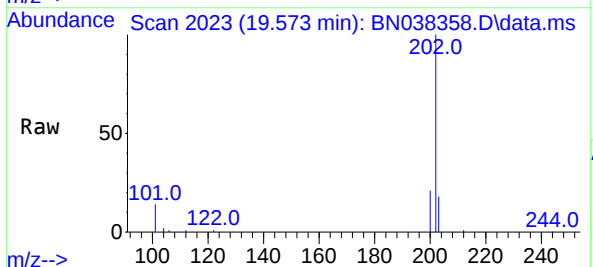
RT: 19.573 min Scan# 2023

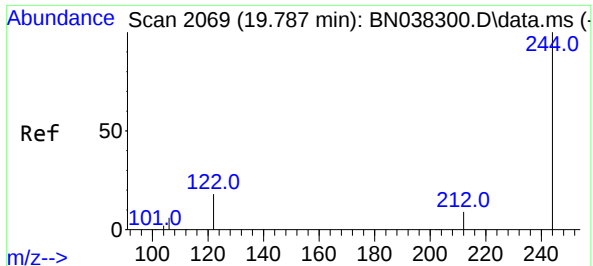
Delta R.T. -0.009 min

Lab File: BN038358.D

Acq: 12 Dec 2025 19:03

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 202   | Resp: | 13499 |
| Ion      | Ratio | Lower | Upper |
| 202      | 100   |       |       |
| 200      | 21.2  | 16.9  | 25.3  |
| 203      | 17.2  | 14.2  | 21.2  |





#31  
Terphenyl-d14  
Concen: 0.402 ng  
RT: 19.782 min Scan# 2068  
Delta R.T. -0.009 min  
Lab File: BN038358.D  
Acq: 12 Dec 2025 19:03

Instrument :

BNA\_N

ClientSampleId :

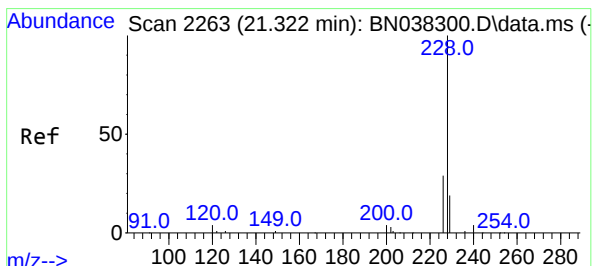
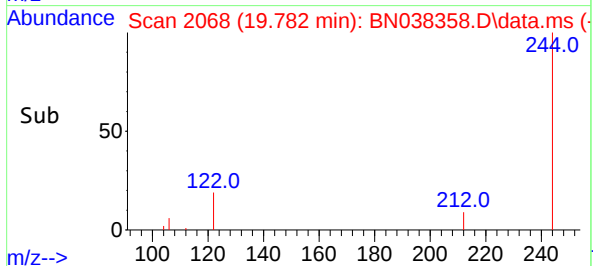
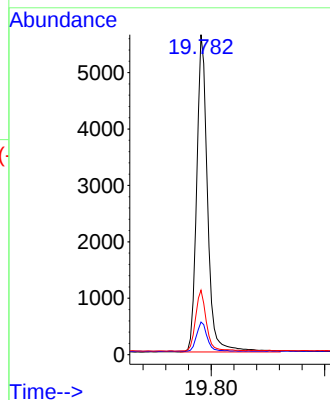
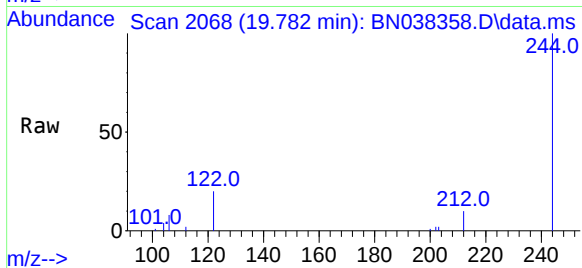
PB170912BSD

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 10.2  | 7.9   | 11.9  |
| 122     | 20.1  | 15.0  | 22.6  |

Manual Integrations

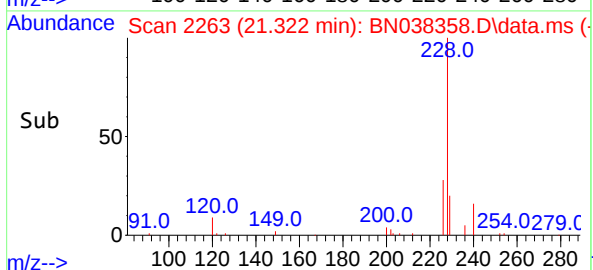
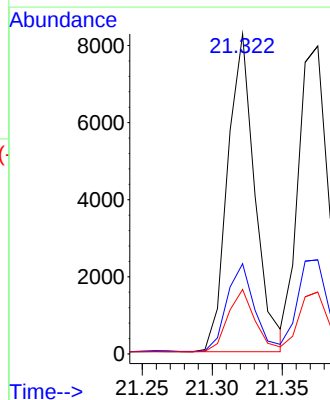
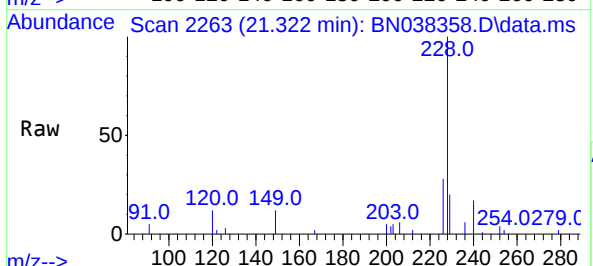
APPROVED

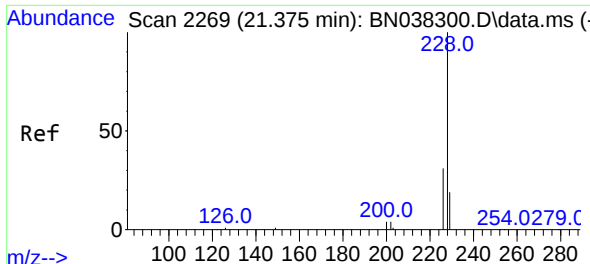
Reviewed By :Rahul Chavli 12/15/2025  
Supervised By :Jagrut Upadhyay 12/15/2025



#32  
Benzo(a)anthracene  
Concen: 0.349 ng  
RT: 21.322 min Scan# 2263  
Delta R.T. -0.009 min  
Lab File: BN038358.D  
Acq: 12 Dec 2025 19:03

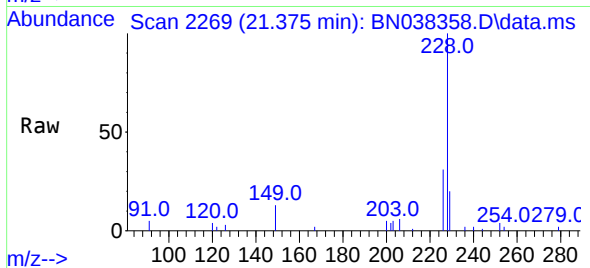
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 28.2  | 23.3  | 34.9  |
| 229     | 20.1  | 15.7  | 23.5  |





#33  
Chrysene  
Concen: 0.354 ng  
RT: 21.375 min Scan# 2126  
Delta R.T. 0.000 min  
Lab File: BN038358.D  
Acq: 12 Dec 2025 19:03

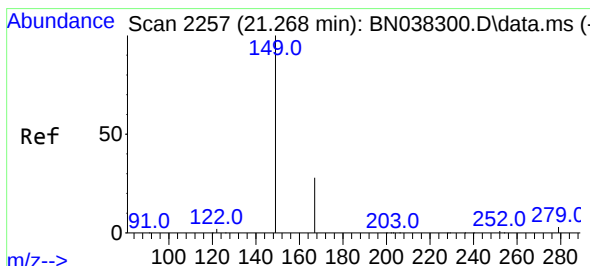
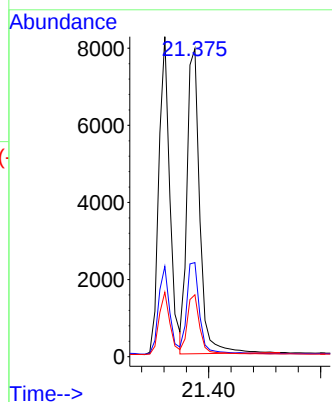
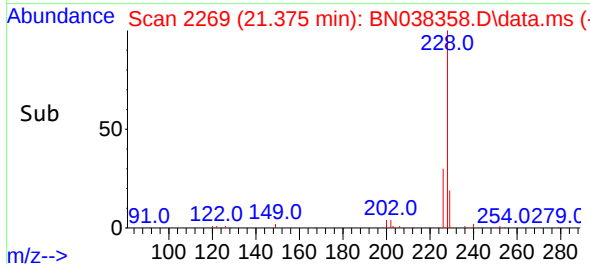
Instrument :  
BNA\_N  
ClientSampleId :  
PB170912BSD



Tgt Ion:228 Resp: 12514  
Ion Ratio Lower Upper  
228 100  
226 30.6 25.0 37.4  
229 20.1 15.5 23.3

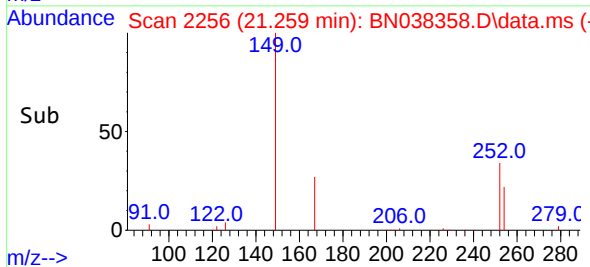
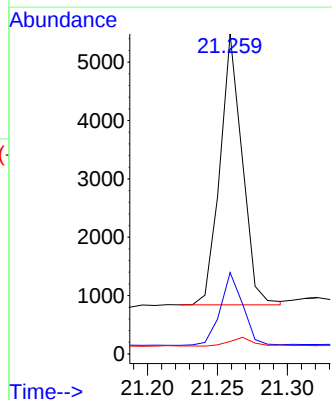
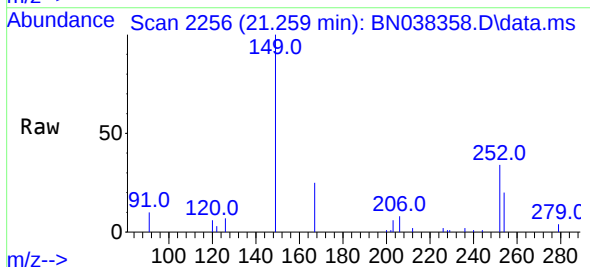
Manual Integrations  
**APPROVED**

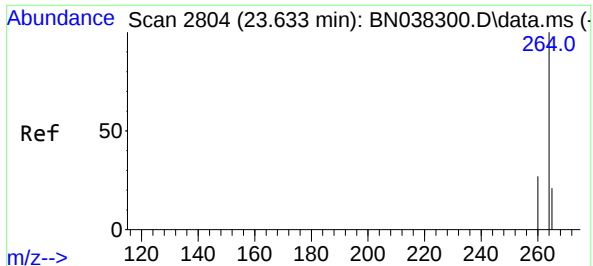
Reviewed By :Rahul Chavli 12/15/2025  
Supervised By :Jagrut Upadhyay 12/15/2025



#34  
Bis(2-ethylhexyl)phthalate  
Concen: 0.292 ng  
RT: 21.259 min Scan# 2256  
Delta R.T. -0.009 min  
Lab File: BN038358.D  
Acq: 12 Dec 2025 19:03

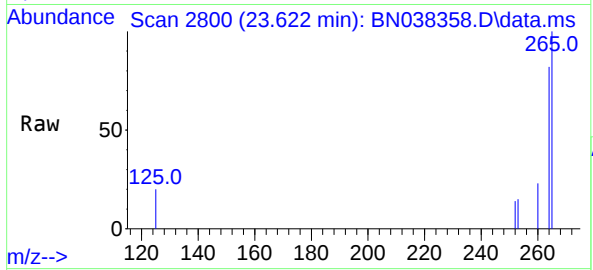
Tgt Ion:149 Resp: 5141  
Ion Ratio Lower Upper  
149 100  
167 27.1 21.4 32.0  
279 3.6 2.4 3.6#





#35  
Perylene-d12  
Concen: 0.400 ng  
RT: 23.622 min Scan# 2800  
Delta R.T. -0.012 min  
Lab File: BN038358.D  
Acq: 12 Dec 2025 19:03

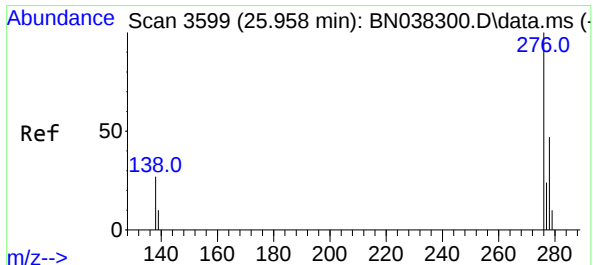
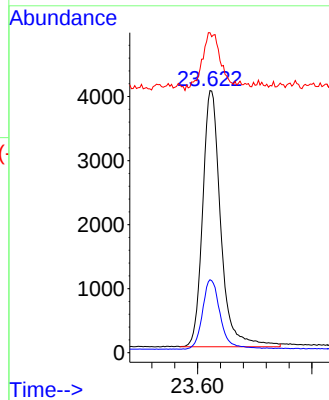
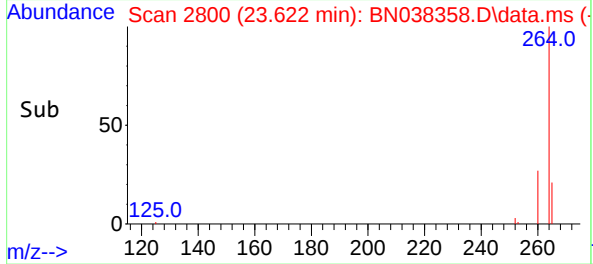
Instrument :  
BNA\_N  
ClientSampleId :  
PB170912BSD



Tgt Ion:264 Resp: 880  
Ion Ratio Lower Upper  
264 100  
260 27.8 22.2 33.2  
265 122.1 80.2 120.2

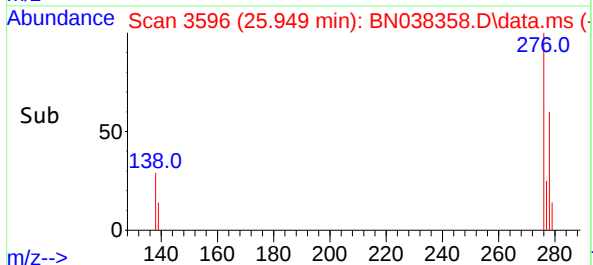
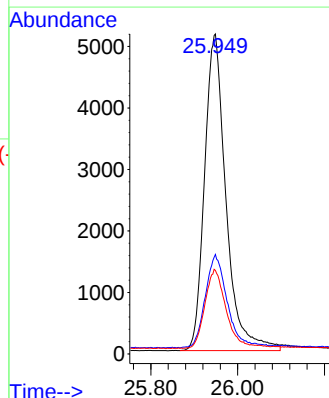
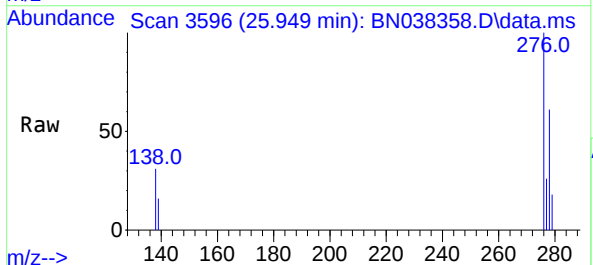
Manual Integrations  
**APPROVED**

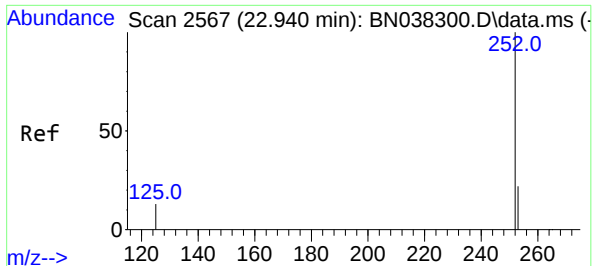
Reviewed By :Rahul Chavli 12/15/2025  
Supervised By :Jagrut Upadhyay 12/15/2025



#36  
Indeno(1,2,3-cd)pyrene  
Concen: 0.379 ng  
RT: 25.949 min Scan# 3596  
Delta R.T. -0.015 min  
Lab File: BN038358.D  
Acq: 12 Dec 2025 19:03

Tgt Ion:276 Resp: 17687  
Ion Ratio Lower Upper  
276 100  
138 29.5 23.6 35.4  
277 24.6 19.7 29.5





#37

Benzo(b)fluoranthene

Concen: 0.333 ng

RT: 22.935 min Scan# 2565

Delta R.T. -0.012 min

Lab File: BN038358.D

Acq: 12 Dec 2025 19:03

Instrument :

BNA\_N

ClientSampleId :

PB170912BSD

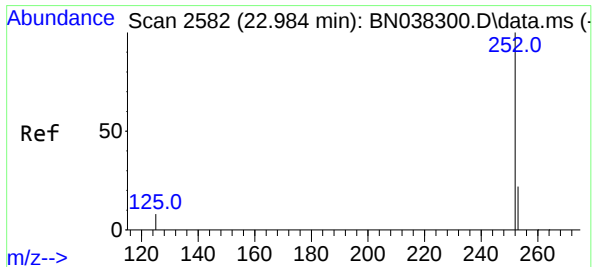
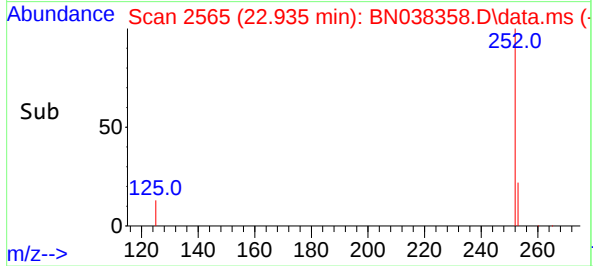
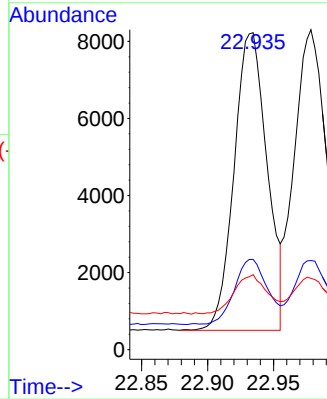
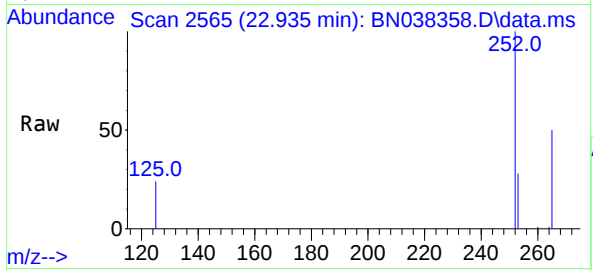
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 252   | Resp: | 1345 |
| Ion Ratio | Lower | Upper |      |
| 252       | 100   |       |      |
| 253       | 28.5  | 21.1  | 31.7 |
| 125       | 23.7  | 16.4  | 24.6 |

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 12/15/2025

Supervised By :Jagrut Upadhyay 12/15/2025



#38

Benzo(k)fluoranthene

Concen: 0.350 ng

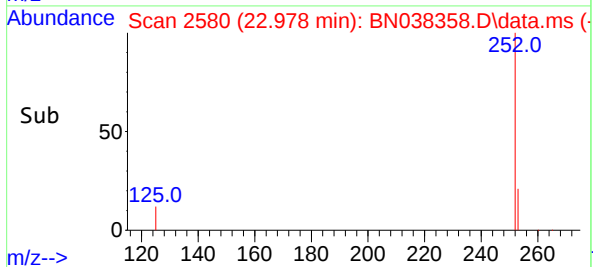
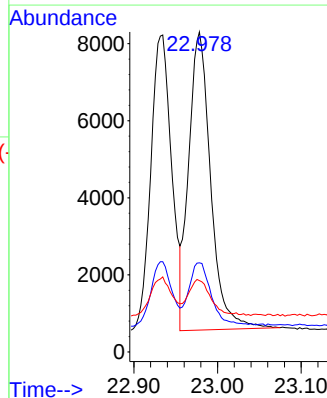
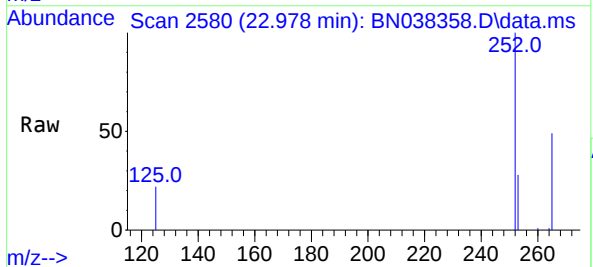
RT: 22.978 min Scan# 2580

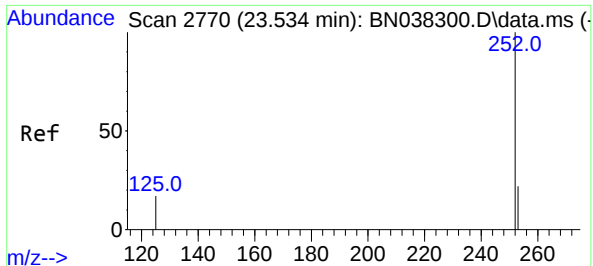
Delta R.T. -0.012 min

Lab File: BN038358.D

Acq: 12 Dec 2025 19:03

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 14124 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 27.9  | 21.4  | 32.0  |
| 125       | 22.3  | 16.2  | 24.2  |





#39

Benzo(a)pyrene

Concen: 0.368 ng

RT: 23.522 min Scan# 21

Delta R.T. -0.012 min

Lab File: BN038358.D

Acq: 12 Dec 2025 19:03

Instrument :

BNA\_N

ClientSampleId :

PB170912BSD

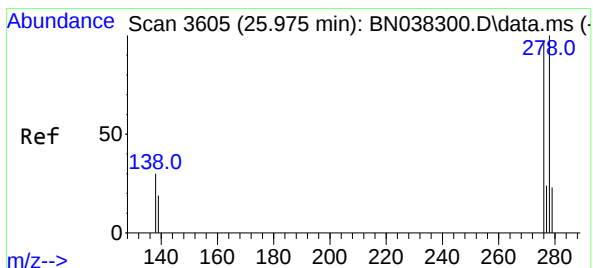
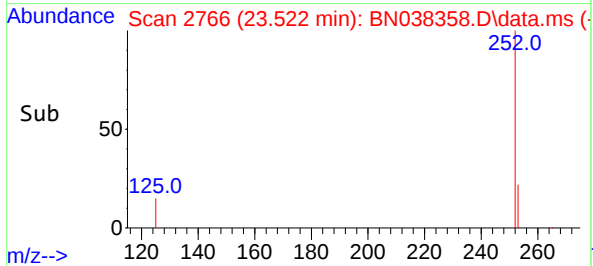
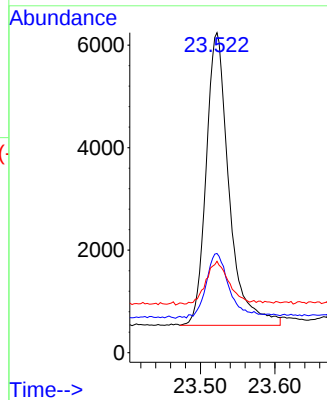
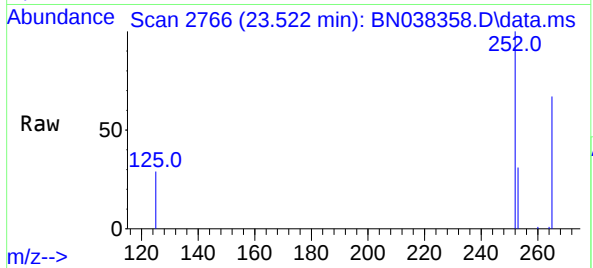
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 12179 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 31.0  | 23.3  | 34.9  |
| 125       | 28.5  | 22.4  | 33.6  |

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 12/15/2025

Supervised By :Jagrut Upadhyay 12/15/2025



#40

Dibenzo(a,h)anthracene

Concen: 0.376 ng

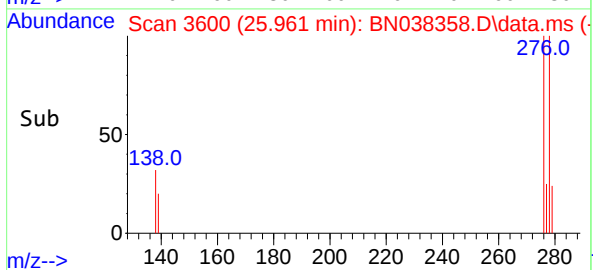
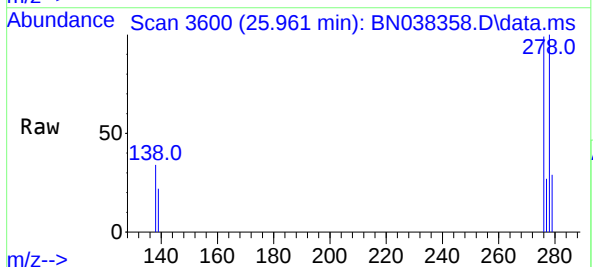
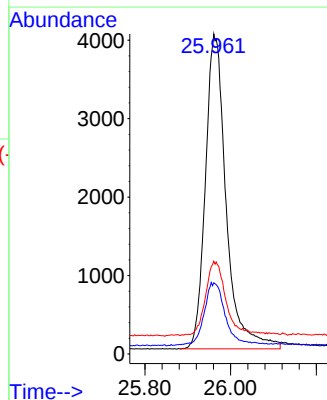
RT: 25.961 min Scan# 3600

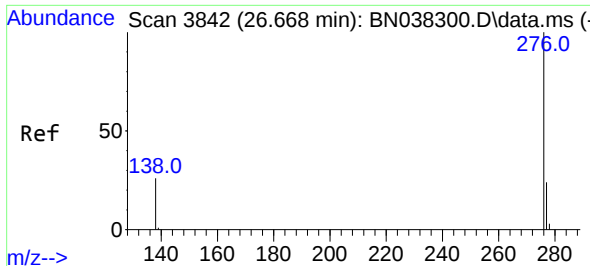
Delta R.T. -0.020 min

Lab File: BN038358.D

Acq: 12 Dec 2025 19:03

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 278   | Resp: | 13531 |
| Ion Ratio | Lower | Upper |       |
| 278       | 100   |       |       |
| 139       | 22.3  | 17.8  | 26.8  |
| 279       | 29.0  | 21.3  | 31.9  |





#41

Benzo(g,h,i)perylene

Concen: 0.377 ng

RT: 26.653 min Scan# 3837

Delta R.T. -0.023 min

Lab File: BN038358.D

Acq: 12 Dec 2025 19:03

Instrument :

BNA\_N

ClientSampleId :

PB170912BSD

Tgt Ion:276 Resp: 1517

Ion Ratio Lower Upper

276 100

277 24.9 20.0 30.0

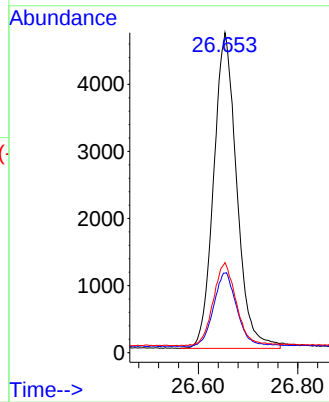
138 28.1 21.8 32.6

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 12/15/2025

Supervised By :Jagrut Upadhyay 12/15/2025





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

## Manual Integration Report

Sequence:

BN121025

Instrument

BNA\_n

Sample ID

File ID

Parameter

Review By

Review On

Supervised  
By

Supervised On

Reason

## Manual Integration Report

Sequence:

BN121225

Instrument

BNA\_n

| Sample ID   | File ID    | Parameter                   | Review By | Review On                | Supervised By | Supervised On            | Reason                      |
|-------------|------------|-----------------------------|-----------|--------------------------|---------------|--------------------------|-----------------------------|
| Q3828-03    | BN038349.D | Phenanthrene                | rahul     | 12/15/2025<br>9:47:59 AM | Jagrut        | 12/15/2025<br>2:16:02 PM | Peak Integrated by Software |
| PB170912BS  | BN038357.D | 2-Methylnaphthalene-d1<br>0 | rahul     | 12/15/2025<br>9:48:01 AM | Jagrut        | 12/15/2025<br>2:16:06 PM | Peak Integrated by Software |
| PB170912BSD | BN038358.D | 2-Methylnaphthalene-d1<br>0 | rahul     | 12/15/2025<br>9:48:05 AM | Jagrut        | 12/15/2025<br>2:16:08 PM | Peak Integrated by Software |

Instrument ID: **BNA\_N**

**Daily Analysis Runlog For Sequence/QC Batch ID # BN121025**

|                          |                                                  |                   |                                               |
|--------------------------|--------------------------------------------------|-------------------|-----------------------------------------------|
| Review By                | rahul                                            | Review On         | 12/11/2025 4:30:54 PM                         |
| Supervise By             | mohammad                                         | Supervise On      | 12/13/2025 12:56:07 AM                        |
| SubDirectory             | BN121025                                         | HP Acquire Method | BNA_N, 8270_SiM HP Processing Method BN121025 |
| <b>STD. NAME</b>         | <b>STD REF.#</b>                                 |                   |                                               |
| Tune/Reschk              | SP6875                                           |                   |                                               |
| Initial Calibration Stds | SP6947,SP6946,SP6945,SP6944,SP6943,SP6942,SP6940 |                   |                                               |
| CCC                      | SP6945                                           |                   |                                               |
| Internal Standard/PEM    | SP6907,10ul/1000ul sample                        |                   |                                               |
| ICV/I.BLK                | SP6949                                           |                   |                                               |
| Surrogate Standard       |                                                  |                   |                                               |
| MS/MSD Standard          |                                                  |                   |                                               |
| LCS Standard             |                                                  |                   |                                               |

| Sr# | SampleId   | Data File Name | Date-Time         | Operator | Status   |
|-----|------------|----------------|-------------------|----------|----------|
| 1   | DFTPP      | BN038297.D     | 10 Dec 2025 09:12 | RC/JU    | Ok       |
| 2   | SSTDIC0.1  | BN038298.D     | 10 Dec 2025 09:52 | RC/JU    | Ok       |
| 3   | SSTDIC0.2  | BN038299.D     | 10 Dec 2025 10:28 | RC/JU    | Ok       |
| 4   | SSTDIC0.4  | BN038300.D     | 10 Dec 2025 11:05 | RC/JU    | Ok       |
| 5   | SSTDIC0.8  | BN038301.D     | 10 Dec 2025 11:41 | RC/JU    | Ok       |
| 6   | SSTDIC1.6  | BN038302.D     | 10 Dec 2025 12:17 | RC/JU    | Ok       |
| 7   | SSTDIC3.2  | BN038303.D     | 10 Dec 2025 12:53 | RC/JU    | Ok       |
| 8   | SSTDIC5.0  | BN038304.D     | 10 Dec 2025 13:30 | RC/JU    | Ok       |
| 9   | SSTDICV0.4 | BN038305.D     | 10 Dec 2025 14:06 | RC/JU    | Ok       |
| 10  | PB170590BL | BN038306.D     | 10 Dec 2025 14:42 | RC/JU    | Ok       |
| 11  | Q3483-11   | BN038307.D     | 10 Dec 2025 15:18 | RC/JU    | Dilution |
| 12  | Q3483-11DL | BN038308.D     | 10 Dec 2025 15:54 | RC/JU    | Ok,M     |
| 13  | SSTDIC0.4  | BN038309.D     | 10 Dec 2025 17:15 | RC/JU    | Ok       |

M : Manual Integration

Instrument ID: **BNA\_N**

**Daily Analysis Runlog For Sequence/QC Batch ID # BN121225**

|                          |                                                  |                   |                                               |
|--------------------------|--------------------------------------------------|-------------------|-----------------------------------------------|
| Review By                | rahul                                            | Review On         | 12/12/2025 3:41:10 PM                         |
| Supervise By             | Jagrut                                           | Supervise On      | 12/15/2025 2:17:39 PM                         |
| SubDirectory             | BN121225                                         | HP Acquire Method | BNA_N, 8270_SiM HP Processing Method BN121025 |
| <b>STD. NAME</b>         | <b>STD REF.#</b>                                 |                   |                                               |
| Tune/Reschk              | SP6875                                           |                   |                                               |
| Initial Calibration Stds | SP6947,SP6946,SP6945,SP6944,SP6943,SP6942,SP6940 |                   |                                               |
| CCC                      | SP6945                                           |                   |                                               |
| Internal Standard/PEM    | SP6907,10ul/1000ul sample                        |                   |                                               |
| ICV/I.BLK                | SP6949                                           |                   |                                               |
| Surrogate Standard       |                                                  |                   |                                               |
| MS/MSD Standard          |                                                  |                   |                                               |
| LCS Standard             |                                                  |                   |                                               |

| Sr# | SampleId    | Data File Name | Date-Time         | Operator | Status   |
|-----|-------------|----------------|-------------------|----------|----------|
| 1   | DFTPP       | BN038342.D     | 12 Dec 2025 08:45 | RC/JU    | Ok       |
| 2   | SSTDCCC0.4  | BN038343.D     | 12 Dec 2025 09:24 | RC/JU    | Ok       |
| 3   | PB170912BL  | BN038344.D     | 12 Dec 2025 10:00 | RC/JU    | Ok       |
| 4   | Q3788-01DL  | BN038345.D     | 12 Dec 2025 10:36 | RC/JU    | Ok       |
| 5   | Q3813-01    | BN038346.D     | 12 Dec 2025 11:12 | RC/JU    | Ok       |
| 6   | Q3813-03    | BN038347.D     | 12 Dec 2025 11:49 | RC/JU    | Ok       |
| 7   | Q3828-01    | BN038348.D     | 12 Dec 2025 12:25 | RC/JU    | Ok       |
| 8   | Q3828-03    | BN038349.D     | 12 Dec 2025 13:01 | RC/JU    | Ok,M     |
| 9   | Q3828-05    | BN038350.D     | 12 Dec 2025 13:38 | RC/JU    | Dilution |
| 10  | Q3828-06    | BN038351.D     | 12 Dec 2025 14:14 | RC/JU    | Ok       |
| 11  | Q3828-08    | BN038352.D     | 12 Dec 2025 15:26 | RC/JU    | Ok       |
| 12  | Q3835-01    | BN038353.D     | 12 Dec 2025 16:02 | RC/JU    | Ok       |
| 13  | Q3835-02    | BN038354.D     | 12 Dec 2025 16:38 | RC/JU    | Ok       |
| 14  | Q3835-04    | BN038355.D     | 12 Dec 2025 17:14 | RC/JU    | Dilution |
| 15  | Q3835-05    | BN038356.D     | 12 Dec 2025 17:50 | RC/JU    | Ok       |
| 16  | PB170912BS  | BN038357.D     | 12 Dec 2025 18:27 | RC/JU    | Ok,M     |
| 17  | PB170912BSD | BN038358.D     | 12 Dec 2025 19:03 | RC/JU    | Ok,M     |
| 18  | SSTDCCC0.4  | BN038359.D     | 12 Dec 2025 20:16 | RC/JU    | Ok       |
| 19  | DFTPP       | BN038360.D     | 12 Dec 2025 21:31 | RC/JU    | Ok       |
| 20  | SSTDCCC0.4  | BN038361.D     | 12 Dec 2025 22:10 | RC/JU    | Ok       |
| 21  | PB170917BL  | BN038362.D     | 12 Dec 2025 22:47 | RC/JU    | ReRun    |

Instrument ID: **BNA\_N**

**Daily Analysis Runlog For Sequence/QC Batch ID # BN121225**

| Review By                | rahul                                            | Review On         | 12/12/2025 3:41:10 PM                         |
|--------------------------|--------------------------------------------------|-------------------|-----------------------------------------------|
| Supervise By             | Jagrut                                           | Supervise On      | 12/15/2025 2:17:39 PM                         |
| SubDirectory             | BN121225                                         | HP Acquire Method | BNA_N, 8270_SiM HP Processing Method BN121025 |
| STD. NAME                | STD REF.#                                        |                   |                                               |
| Tune/Reschk              | SP6875                                           |                   |                                               |
| Initial Calibration Stds | SP6947,SP6946,SP6945,SP6944,SP6943,SP6942,SP6940 |                   |                                               |
| CCC                      | SP6945                                           |                   |                                               |
| Internal Standard/PEM    | SP6907,10ul/1000ul sample                        |                   |                                               |
| ICV/I.BLK                | SP6949                                           |                   |                                               |
| Surrogate Standard       |                                                  |                   |                                               |
| MS/MSD Standard          |                                                  |                   |                                               |
| LCS Standard             |                                                  |                   |                                               |

|    |             |            |                   |       |        |
|----|-------------|------------|-------------------|-------|--------|
| 22 | Q3839-01    | BN038363.D | 12 Dec 2025 23:24 | RC/JU | ReRun  |
| 23 | Q3839-02    | BN038364.D | 13 Dec 2025 00:00 | RC/JU | ReRun  |
| 24 | Q3839-03MS  | BN038365.D | 13 Dec 2025 00:37 | RC/JU | ReRun  |
| 25 | Q3839-04MSD | BN038366.D | 13 Dec 2025 01:13 | RC/JU | ReRun  |
| 26 | Q3839-05    | BN038367.D | 13 Dec 2025 01:50 | RC/JU | ReRun  |
| 27 | Q3839-06    | BN038368.D | 13 Dec 2025 02:27 | RC/JU | ReRun  |
| 28 | Q3839-07    | BN038369.D | 13 Dec 2025 03:03 | RC/JU | ReRun  |
| 29 | Q3839-08    | BN038370.D | 13 Dec 2025 03:40 | RC/JU | ReRun  |
| 30 | Q3839-11    | BN038371.D | 13 Dec 2025 04:16 | RC/JU | ReRun  |
| 31 | Q3839-12    | BN038372.D | 13 Dec 2025 04:53 | RC/JU | ReRun  |
| 32 | Q3839-13    | BN038373.D | 13 Dec 2025 05:29 | RC/JU | ReRun  |
| 33 | Q3839-14    | BN038374.D | 13 Dec 2025 06:06 | RC/JU | ReRun  |
| 34 | Q3839-15    | BN038375.D | 13 Dec 2025 06:42 | RC/JU | ReRun  |
| 35 | Q3839-16    | BN038376.D | 13 Dec 2025 07:18 | RC/JU | ReRun  |
| 36 | PB170917BS  | BN038377.D | 13 Dec 2025 07:55 | RC/JU | Ok,M   |
| 37 | SSTDCCC0.4  | BN038378.D | 13 Dec 2025 09:08 | RC/JU | Ok     |
| 38 | DFTPP       | BN038379.D | 13 Dec 2025 10:24 | RC/JU | Ok     |
| 39 | SSTDCCC0.4  | BN038380.D | 13 Dec 2025 11:03 | RC/JU | Ok     |
| 40 | PB170919BL  | BN038381.D | 13 Dec 2025 11:39 | RC/JU | Not Ok |
| 41 | Q3828-05DL  | BN038382.D | 13 Dec 2025 12:16 | RC/JU | Ok     |
| 42 | Q3839-17    | BN038383.D | 13 Dec 2025 12:52 | RC/JU | Ok     |
| 43 | Q3839-18    | BN038384.D | 13 Dec 2025 13:28 | RC/JU | Not Ok |
| 44 | Q3839-19MS  | BN038385.D | 13 Dec 2025 14:04 | RC/JU | Not Ok |

Instrument ID: **BNA\_N**

**Daily Analysis Runlog For Sequence/QC Batch ID # BN121225**

| Review By                | rahul                                            | Review On         | 12/12/2025 3:41:10 PM                         |
|--------------------------|--------------------------------------------------|-------------------|-----------------------------------------------|
| Supervise By             | Jagrut                                           | Supervise On      | 12/15/2025 2:17:39 PM                         |
| SubDirectory             | BN121225                                         | HP Acquire Method | BNA_N, 8270_SiM HP Processing Method BN121025 |
| STD. NAME                | STD REF.#                                        |                   |                                               |
| Tune/Reschk              | SP6875                                           |                   |                                               |
| Initial Calibration Stds | SP6947,SP6946,SP6945,SP6944,SP6943,SP6942,SP6940 |                   |                                               |
| CCC                      | SP6945                                           |                   |                                               |
| Internal Standard/PEM    | SP6907,10ul/1000ul sample                        |                   |                                               |
| ICV/I.BLK                | SP6949                                           |                   |                                               |
| Surrogate Standard       |                                                  |                   |                                               |
| MS/MSD Standard          |                                                  |                   |                                               |
| LCS Standard             |                                                  |                   |                                               |

|    |             |            |                   |       |          |
|----|-------------|------------|-------------------|-------|----------|
| 45 | Q3839-19MSD | BN038386.D | 13 Dec 2025 14:40 | RC/JU | Not Ok   |
| 46 | Q3839-09    | BN038387.D | 13 Dec 2025 15:16 | RC/JU | Ok,M     |
| 47 | Q3839-10    | BN038388.D | 13 Dec 2025 15:52 | RC/JU | Dilution |
| 48 | Q3839-21    | BN038389.D | 13 Dec 2025 16:28 | RC/JU | Not Ok   |
| 49 | Q3839-22    | BN038390.D | 13 Dec 2025 17:04 | RC/JU | Not Ok   |
| 50 | Q3839-23    | BN038391.D | 13 Dec 2025 17:41 | RC/JU | Not Ok   |
| 51 | Q3839-24    | BN038392.D | 13 Dec 2025 18:17 | RC/JU | Not Ok   |
| 52 | Q3839-25    | BN038393.D | 13 Dec 2025 18:54 | RC/JU | Not Ok   |
| 53 | Q3839-26    | BN038394.D | 13 Dec 2025 19:30 | RC/JU | Not Ok   |
| 54 | PB170919BS  | BN038395.D | 13 Dec 2025 20:06 | RC/JU | Not Ok   |
| 55 | SSTDCCC0.4  | BN038396.D | 13 Dec 2025 21:18 | RC/JU | Ok       |

M : Manual Integration

Instrument ID: BNA\_N

**Daily Analysis Runlog For Sequence/QC Batch ID # BN121025**

|                          |                                                  |                   |                                           |
|--------------------------|--------------------------------------------------|-------------------|-------------------------------------------|
| Review By                | rahul                                            | Review On         | 12/11/2025 4:30:54 PM                     |
| Supervise By             | mohammad                                         | Supervise On      | 12/13/2025 12:56:07 AM                    |
| SubDirectory             | BN121025                                         | HP Acquire Method | BNA_N, 8270_HP Processing Method BN121025 |
| <b>STD. NAME</b>         | <b>STD REF.#</b>                                 |                   |                                           |
| Tune/Reschk              | SP6875                                           |                   |                                           |
| Initial Calibration Stds | SP6947,SP6946,SP6945,SP6944,SP6943,SP6942,SP6940 |                   |                                           |
| CCC                      | SP6945                                           |                   |                                           |
| Internal Standard/PEM    | SP6907,10ul/1000ul sample                        |                   |                                           |
| ICV/I.BLK                | SP6949                                           |                   |                                           |
| Surrogate Standard       |                                                  |                   |                                           |
| MS/MSD Standard          |                                                  |                   |                                           |
| LCS Standard             |                                                  |                   |                                           |

| Sr# | SampleID    | ClientID           | Data File Name | Date-Time         | Comment                                                               | Operator | Status   |
|-----|-------------|--------------------|----------------|-------------------|-----------------------------------------------------------------------|----------|----------|
| 1   | DFTPP       | DFTPP              | BN038297.D     | 10 Dec 2025 09:12 |                                                                       | RC/JU    | Ok       |
| 2   | SSTDICC0.1  | SSTDICC0.1         | BN038298.D     | 10 Dec 2025 09:52 |                                                                       | RC/JU    | Ok       |
| 3   | SSTDICC0.2  | SSTDICC0.2         | BN038299.D     | 10 Dec 2025 10:28 |                                                                       | RC/JU    | Ok       |
| 4   | SSTDICCC0.4 | SSTDICCC0.4        | BN038300.D     | 10 Dec 2025 11:05 |                                                                       | RC/JU    | Ok       |
| 5   | SSTDICC0.8  | SSTDICC0.8         | BN038301.D     | 10 Dec 2025 11:41 |                                                                       | RC/JU    | Ok       |
| 6   | SSTDICC1.6  | SSTDICC1.6         | BN038302.D     | 10 Dec 2025 12:17 |                                                                       | RC/JU    | Ok       |
| 7   | SSTDICC3.2  | SSTDICC3.2         | BN038303.D     | 10 Dec 2025 12:53 |                                                                       | RC/JU    | Ok       |
| 8   | SSTDICC5.0  | SSTDICC5.0         | BN038304.D     | 10 Dec 2025 13:30 | Comp# 20<br>(4,6-Dinitro-2-methylphenol)<br>removed from 5.0 ng level | RC/JU    | Ok       |
| 9   | SSTDICV0.4  | ICVBN121025        | BN038305.D     | 10 Dec 2025 14:06 |                                                                       | RC/JU    | Ok       |
| 10  | PB170590BL  | PB170590BL         | BN038306.D     | 10 Dec 2025 14:42 |                                                                       | RC/JU    | Ok       |
| 11  | Q3483-11    | HW1025-PT-BNA-SOIL | BN038307.D     | 10 Dec 2025 15:18 | Need 100X Dilution                                                    | RC/JU    | Dilution |
| 12  | Q3483-11DL  | HW1025-PT-BNA-SOIL | BN038308.D     | 10 Dec 2025 15:54 |                                                                       | RC/JU    | Ok,M     |
| 13  | SSTDCCC0.4  | SSTDCCC0.4EC       | BN038309.D     | 10 Dec 2025 17:15 |                                                                       | RC/JU    | Ok       |

M : Manual Integration

Instrument ID: BNA\_N

**Daily Analysis Runlog For Sequence/QC Batch ID # BN121225**

|              |          |                   |                                           |
|--------------|----------|-------------------|-------------------------------------------|
| Review By    | rahul    | Review On         | 12/12/2025 3:41:10 PM                     |
| Supervise By | Jagrut   | Supervise On      | 12/15/2025 2:17:39 PM                     |
| SubDirectory | BN121225 | HP Acquire Method | BNA_N, 8270_HP Processing Method BN121025 |

| STD. NAME                                                                                          | STD REF.#                                                  |
|----------------------------------------------------------------------------------------------------|------------------------------------------------------------|
| Tune/Reschk<br>Initial Calibration Stds                                                            | SP6875<br>SP6947,SP6946,SP6945,SP6944,SP6943,SP6942,SP6940 |
| CCC<br>Internal Standard/PEM<br>ICV/I.BLK<br>Surrogate Standard<br>MS/MSD Standard<br>LCS Standard | SP6945<br>SP6907,10ul/1000ul sample<br>SP6949              |

| Sr# | SampleID    | ClientID           | Data File Name | Date-Time         | Comment                    | Operator | Status   |
|-----|-------------|--------------------|----------------|-------------------|----------------------------|----------|----------|
| 1   | DFTPP       | DFTPP              | BN038342.D     | 12 Dec 2025 08:45 |                            | RC/JU    | Ok       |
| 2   | SSTDCCC0.4  | SSTDCCC0.4         | BN038343.D     | 12 Dec 2025 09:24 | Compound #20, 24 fail low. | RC/JU    | Ok       |
| 3   | PB170912BL  | PB170912BL         | BN038344.D     | 12 Dec 2025 10:00 |                            | RC/JU    | Ok       |
| 4   | Q3788-01DL  | OWBR-05-135-120525 | BN038345.D     | 12 Dec 2025 10:36 |                            | RC/JU    | Ok       |
| 5   | Q3813-01    | BR-04DR-451-120825 | BN038346.D     | 12 Dec 2025 11:12 |                            | RC/JU    | Ok       |
| 6   | Q3813-03    | EB01-120825        | BN038347.D     | 12 Dec 2025 11:49 |                            | RC/JU    | Ok       |
| 7   | Q3828-01    | BR-02-133-120925   | BN038348.D     | 12 Dec 2025 12:25 |                            | RC/JU    | Ok       |
| 8   | Q3828-03    | OWBR-06-219-120925 | BN038349.D     | 12 Dec 2025 13:01 |                            | RC/JU    | Ok,M     |
| 9   | Q3828-05    | RMW-03B-90-120925  | BN038350.D     | 12 Dec 2025 13:38 | Need 5X Dilution           | RC/JU    | Dilution |
| 10  | Q3828-06    | OWBR-03-138-120925 | BN038351.D     | 12 Dec 2025 14:14 |                            | RC/JU    | Ok       |
| 11  | Q3828-08    | FB01-120925        | BN038352.D     | 12 Dec 2025 15:26 |                            | RC/JU    | Ok       |
| 12  | Q3835-01    | MW-11A-13.5-121025 | BN038353.D     | 12 Dec 2025 16:02 |                            | RC/JU    | Ok       |
| 13  | Q3835-02    | OWBR-01-170-121025 | BN038354.D     | 12 Dec 2025 16:38 |                            | RC/JU    | Ok       |
| 14  | Q3835-04    | MW-118-37.5-121025 | BN038355.D     | 12 Dec 2025 17:14 | Need 20X Dilution          | RC/JU    | Dilution |
| 15  | Q3835-05    | MW-01-7-121025     | BN038356.D     | 12 Dec 2025 17:50 |                            | RC/JU    | Ok       |
| 16  | PB170912BS  | PB170912BS         | BN038357.D     | 12 Dec 2025 18:27 |                            | RC/JU    | Ok,M     |
| 17  | PB170912BSD | PB170912BSD        | BN038358.D     | 12 Dec 2025 19:03 |                            | RC/JU    | Ok,M     |
| 18  | SSTDCCC0.4  | SSTDCCC0.4EC       | BN038359.D     | 12 Dec 2025 20:16 | Compound #20 fail low.     | RC/JU    | Ok       |

Instrument ID: BNA\_N

**Daily Analysis Runlog For Sequence/QC Batch ID # BN121225**

|              |          |                   |                                           |
|--------------|----------|-------------------|-------------------------------------------|
| Review By    | rahul    | Review On         | 12/12/2025 3:41:10 PM                     |
| Supervise By | Jagrut   | Supervise On      | 12/15/2025 2:17:39 PM                     |
| SubDirectory | BN121225 | HP Acquire Method | BNA_N, 8270_HP Processing Method BN121025 |

| STD. NAME                                                                                          | STD REF.#                                                  |
|----------------------------------------------------------------------------------------------------|------------------------------------------------------------|
| Tune/Reschk<br>Initial Calibration Stds                                                            | SP6875<br>SP6947,SP6946,SP6945,SP6944,SP6943,SP6942,SP6940 |
| CCC<br>Internal Standard/PEM<br>ICV/I.BLK<br>Surrogate Standard<br>MS/MSD Standard<br>LCS Standard | SP6945<br>SP6907,10ul/1000ul sample<br>SP6949              |

|    |             |              |            |                   |                                |       |       |
|----|-------------|--------------|------------|-------------------|--------------------------------|-------|-------|
| 19 | DFTPP       | DFTPP        | BN038360.D | 12 Dec 2025 21:31 |                                | RC/JU | Ok    |
| 20 | SSTDCCC0.4  | SSTDCCC0.4   | BN038361.D | 12 Dec 2025 22:10 | Compound #20, 24 fail low.     | RC/JU | Ok    |
| 21 | PB170917BL  | PB170917BL   | BN038362.D | 12 Dec 2025 22:47 | CCC fail low for compound #24. | RC/JU | ReRun |
| 22 | Q3839-01    | C0AM5        | BN038363.D | 12 Dec 2025 23:24 | CCC fail low for compound #24. | RC/JU | ReRun |
| 23 | Q3839-02    | C0AM6        | BN038364.D | 13 Dec 2025 00:00 | CCC fail low for compound #24. | RC/JU | ReRun |
| 24 | Q3839-03MS  | C0AM6MS      | BN038365.D | 13 Dec 2025 00:37 | CCC fail low for compound #24. | RC/JU | ReRun |
| 25 | Q3839-04MSD | C0AM6MSD     | BN038366.D | 13 Dec 2025 01:13 | CCC fail low for compound #24. | RC/JU | ReRun |
| 26 | Q3839-05    | C0AN1        | BN038367.D | 13 Dec 2025 01:50 | CCC fail low for compound #24. | RC/JU | ReRun |
| 27 | Q3839-06    | C0AN2        | BN038368.D | 13 Dec 2025 02:27 | CCC fail low for compound #24. | RC/JU | ReRun |
| 28 | Q3839-07    | C0AN3        | BN038369.D | 13 Dec 2025 03:03 | CCC fail low for compound #24. | RC/JU | ReRun |
| 29 | Q3839-08    | C0AN4        | BN038370.D | 13 Dec 2025 03:40 | CCC fail low for compound #24. | RC/JU | ReRun |
| 30 | Q3839-11    | C0AN7        | BN038371.D | 13 Dec 2025 04:16 | CCC fail low for compound #24. | RC/JU | ReRun |
| 31 | Q3839-12    | C0AS1        | BN038372.D | 13 Dec 2025 04:53 | CCC fail low for compound #24. | RC/JU | ReRun |
| 32 | Q3839-13    | C0AS2        | BN038373.D | 13 Dec 2025 05:29 | CCC fail low for compound #24. | RC/JU | ReRun |
| 33 | Q3839-14    | C0AS3        | BN038374.D | 13 Dec 2025 06:06 | CCC fail low for compound #24. | RC/JU | ReRun |
| 34 | Q3839-15    | C0AS4        | BN038375.D | 13 Dec 2025 06:42 | CCC fail low for compound #24. | RC/JU | ReRun |
| 35 | Q3839-16    | C0B02        | BN038376.D | 13 Dec 2025 07:18 | CCC fail low for compound #24. | RC/JU | ReRun |
| 36 | PB170917BS  | PB170917BS   | BN038377.D | 13 Dec 2025 07:55 |                                | RC/JU | Ok,M  |
| 37 | SSTDCCC0.4  | SSTDCCC0.4EC | BN038378.D | 13 Dec 2025 09:08 |                                | RC/JU | Ok    |

Instrument ID: BNA\_N

**Daily Analysis Runlog For Sequence/QC Batch ID # BN121225**

|                                                                                                    |                                                            |                   |                                           |
|----------------------------------------------------------------------------------------------------|------------------------------------------------------------|-------------------|-------------------------------------------|
| Review By                                                                                          | rahul                                                      | Review On         | 12/12/2025 3:41:10 PM                     |
| Supervise By                                                                                       | Jagrut                                                     | Supervise On      | 12/15/2025 2:17:39 PM                     |
| SubDirectory                                                                                       | BN121225                                                   | HP Acquire Method | BNA_N, 8270_HP Processing Method BN121025 |
| <b>STD. NAME</b>                                                                                   | <b>STD REF.#</b>                                           |                   |                                           |
| Tune/Reschk<br>Initial Calibration Stds                                                            | SP6875<br>SP6947,SP6946,SP6945,SP6944,SP6943,SP6942,SP6940 |                   |                                           |
| CCC<br>Internal Standard/PEM<br>ICV/I.BLK<br>Surrogate Standard<br>MS/MSD Standard<br>LCS Standard | SP6945<br>SP6907,10ul/1000ul sample<br>SP6949              |                   |                                           |

|    |             |                    |            |                   |                                  |       |          |
|----|-------------|--------------------|------------|-------------------|----------------------------------|-------|----------|
| 38 | DFTPP       | DFTPP              | BN038379.D | 13 Dec 2025 10:24 |                                  | RC/JU | Ok       |
| 39 | SSTDCCC0.4  | SSTDCCC0.4         | BN038380.D | 13 Dec 2025 11:03 | Compound #20 fail low.           | RC/JU | Ok       |
| 40 | PB170919BL  | PB170919BL         | BN038381.D | 13 Dec 2025 11:39 | Wrong Sample (Total Scan sample) | RC/JU | Not Ok   |
| 41 | Q3828-05DL  | RMW-03B-90-120925D | BN038382.D | 13 Dec 2025 12:16 |                                  | RC/JU | Ok       |
| 42 | Q3839-17    | C0B11              | BN038383.D | 13 Dec 2025 12:52 |                                  | RC/JU | Ok       |
| 43 | Q3839-18    | C0AM7              | BN038384.D | 13 Dec 2025 13:28 | Wrong Sample (Total Scan sample) | RC/JU | Not Ok   |
| 44 | Q3839-19MS  | C0AM7MS            | BN038385.D | 13 Dec 2025 14:04 | Wrong Sample (Total Scan sample) | RC/JU | Not Ok   |
| 45 | Q3839-19MSD | C0AM7MSD           | BN038386.D | 13 Dec 2025 14:40 | Wrong Sample (Total Scan sample) | RC/JU | Not Ok   |
| 46 | Q3839-09    | C0AN5              | BN038387.D | 13 Dec 2025 15:16 |                                  | RC/JU | Ok,M     |
| 47 | Q3839-10    | C0AN6              | BN038388.D | 13 Dec 2025 15:52 | Need 5X.                         | RC/JU | Dilution |
| 48 | Q3839-21    | C0B09              | BN038389.D | 13 Dec 2025 16:28 | Wrong Sample (Total Scan sample) | RC/JU | Not Ok   |
| 49 | Q3839-22    | C0AT4              | BN038390.D | 13 Dec 2025 17:04 | Wrong Sample (Total Scan sample) | RC/JU | Not Ok   |
| 50 | Q3839-23    | C0AT5              | BN038391.D | 13 Dec 2025 17:41 | Wrong Sample (Total Scan sample) | RC/JU | Not Ok   |
| 51 | Q3839-24    | C0AT6              | BN038392.D | 13 Dec 2025 18:17 | Wrong Sample (Total Scan sample) | RC/JU | Not Ok   |
| 52 | Q3839-25    | C0AT7              | BN038393.D | 13 Dec 2025 18:54 | Wrong Sample (Total Scan sample) | RC/JU | Not Ok   |
| 53 | Q3839-26    | C0AT8              | BN038394.D | 13 Dec 2025 19:30 | Wrong Sample (Total Scan sample) | RC/JU | Not Ok   |
| 54 | PB170919BS  | PB170919BS         | BN038395.D | 13 Dec 2025 20:06 | Wrong Sample (Total Scan sample) | RC/JU | Not Ok   |

Instrument ID: BNA\_N

**Daily Analysis Runlog For Sequence/QC Batch ID # BN121225**

|              |          |                   |                                           |
|--------------|----------|-------------------|-------------------------------------------|
| Review By    | rahul    | Review On         | 12/12/2025 3:41:10 PM                     |
| Supervise By | Jagrut   | Supervise On      | 12/15/2025 2:17:39 PM                     |
| SubDirectory | BN121225 | HP Acquire Method | BNA_N, 8270_HP Processing Method BN121025 |

| STD. NAME                | STD REF.#                                        |
|--------------------------|--------------------------------------------------|
| Tune/Reschk              | SP6875                                           |
| Initial Calibration Stds | SP6947,SP6946,SP6945,SP6944,SP6943,SP6942,SP6940 |
| CCC                      | SP6945                                           |
| Internal Standard/PEM    | SP6907,10ul/1000ul sample                        |
| ICV/I.BLK                | SP6949                                           |
| Surrogate Standard       |                                                  |
| MS/MSD Standard          |                                                  |
| LCS Standard             |                                                  |

|    |            |              |            |                   |  |       |    |
|----|------------|--------------|------------|-------------------|--|-------|----|
| 55 | SSTDCCC0.4 | SSTDCCC0.4EC | BN038396.D | 13 Dec 2025 21:18 |  | RC/JU | Ok |
|----|------------|--------------|------------|-------------------|--|-------|----|

M : Manual Integration

**SOP ID:** M3510C,3580A-Extraction SVOC-21

**Clean Up SOP #:** N/A **Extraction Start Date :** 12/11/2025

**Matrix :** Water **Extraction Start Time :** 09:37

**Weigh By:** N/A **Extraction By:** RS **Extraction End Date :** 12/11/2025

**Balance check:** N/A **Filter By:** RS **Extraction End Time :** 14:40

**Balance ID:** N/A **pH Meter ID:** N/A **Concentration By:** EH

**pH Strip Lot#:** E3953 **Hood ID:** 4,5,6,7 **Supervisor By :** RUPESH

**Extraction Method:** ☒ Separatory Funnel ☐ Continuous Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☐ Soxhlet

| Standard Name | MLS USED | Concentration ug/mL | STD REF. # FROM LOG |
|---------------|----------|---------------------|---------------------|
| Spike Sol 1   | 1.0ML    | 0.4 PPM             | SP6938              |
| Surrogate     | 1.0ML    | 0.4 PPM             | SP6950              |
| N/A           | N/A      | N/A                 | N/A                 |
| N/A           | N/A      | N/A                 | N/A                 |
| N/A           | N/A      | N/A                 | N/A                 |

| Chemical Used      | ML/SAMPLE USED | Lot Number |
|--------------------|----------------|------------|
| Methylene Chloride | N/A            | E3986      |
| Baked Na2SO4       | N/A            | EP2665     |
| H2SO4 1:1          | N/A            | EP2657     |
| 10N NaOH           | N/A            | EP2658     |
| N/A                | N/A            | N/A        |
| N/A                | N/A            | N/A        |
| N/A                | N/A            | N/A        |
| N/A                | N/A            | N/A        |
| N/A                | N/A            | N/A        |
| N/A                | N/A            | N/A        |
| N/A                | N/A            | N/A        |
| N/A                | N/A            | N/A        |
| N/A                | N/A            | N/A        |
| N/A                | N/A            | N/A        |
| N/A                | N/A            | N/A        |

**Extraction Conformance/Non-Conformance Comments:**

pH Adjusted TO <2 with 1:1 H2SO4 & >11with 10N NAOH ,1.5ML Vial Lot #2210443.

**KD Bath ID:** WATER BATH-1,2 **Envap ID:** NEVAP-02

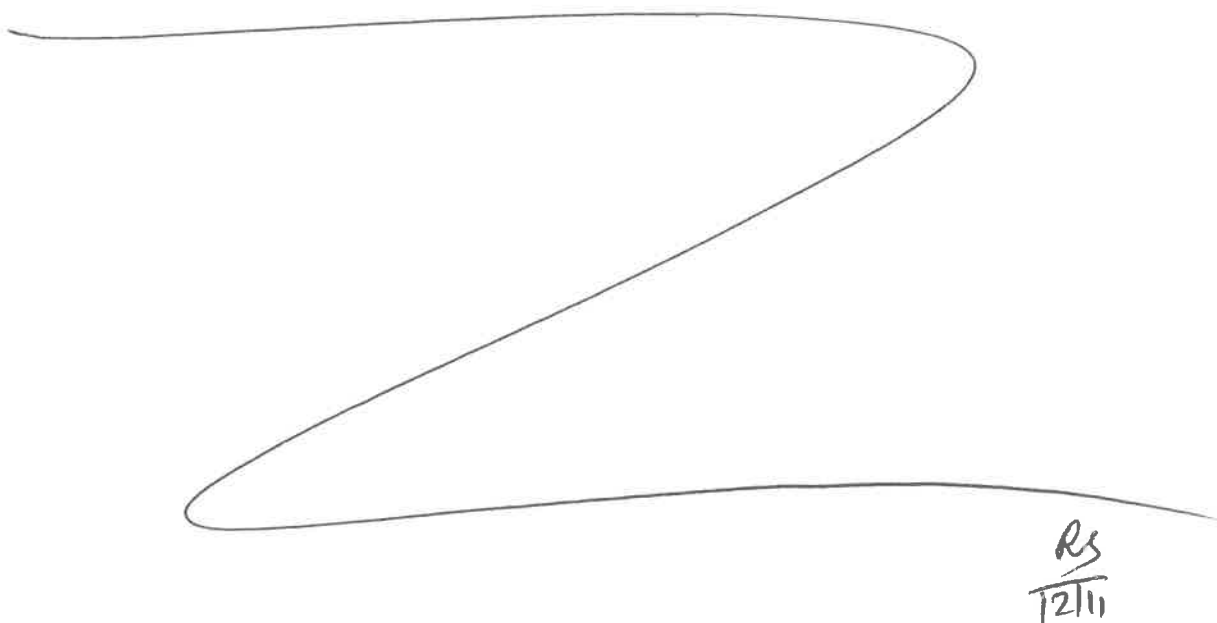
**KD Bath Temperature:** 60 °C **Envap Temperature:** 40 °C

| Date / Time | Prepped Sample Relinquished By/Location | Received By/Location |
|-------------|-----------------------------------------|----------------------|
| 12/11/25    | RS (CB4 Lab)                            | Rc/svoc              |
| 14:45       | Preparation Group                       | Analysis Group       |

Analytical Method: M3510C,3580A-Extraction SVOC-21

Concentration Date: 12/11/2025

| Sample ID       | Client Sample ID   | Test               | g / (mL) | PH | Surr/Spike By: |            | Final Vol.<br>(mL) | JarID | Comments | Prep<br>Pos |
|-----------------|--------------------|--------------------|----------|----|----------------|------------|--------------------|-------|----------|-------------|
|                 |                    |                    |          |    | AddedBy        | VerifiedBy |                    |       |          |             |
| PB170912BL      | SBLK912            | SVOC-SIMGrou<br>p1 | 1000     | 6  | RUPEsh         | ritesh     | 1                  |       |          | SEP-1       |
| PB170912BS      | SLCS912            | SVOC-SIMGrou<br>p1 | 1000     | 6  | RUPEsh         | ritesh     | 1                  |       |          | 2           |
| PB170912BS<br>D | SLCSD912           | SVOC-SIMGrou<br>p1 | 1000     | 6  | RUPEsh         | ritesh     | 1                  |       |          | 3           |
| Q3813-01        | BR-04DR-451-120825 | SVOC-SIMGrou<br>p1 | 990      | 6  | RUPEsh         | ritesh     | 1                  | D     |          | 4           |
| Q3813-03        | EB01-120825        | SVOC-SIMGrou<br>p1 | 910      | 6  | RUPEsh         | ritesh     | 1                  | G     |          | 5           |
| Q3828-01        | BR-02-133-120925   | SVOC-SIMGrou<br>p1 | 1000     | 6  | RUPEsh         | ritesh     | 1                  | D     |          | 6           |
| Q3828-03        | OWBR-06-219-120925 | SVOC-SIMGrou<br>p1 | 890      | 11 | RUPEsh         | ritesh     | 1                  | D     |          | 7           |
| Q3828-05        | RMW-03B-90-120925  | SVOC-SIMGrou<br>p1 | 1000     | 6  | RUPEsh         | ritesh     | 1                  | D     |          | 8           |
| Q3828-06        | OWBR-03-138-120925 | SVOC-SIMGrou<br>p1 | 920      | 11 | RUPEsh         | ritesh     | 1                  | D     |          | 9           |
| Q3828-08        | FB01-120925        | SVOC-SIMGrou<br>p1 | 920      | 6  | RUPEsh         | ritesh     | 1                  | D     |          | 10          |
| Q3835-01        | MW-11A-13.5-121025 | SVOC-SIMGrou<br>p1 | 910      | 6  | RUPEsh         | ritesh     | 1                  | D     |          | 11          |
| Q3835-02        | OWBR-01-170-121025 | SVOC-SIMGrou<br>p1 | 950      | 6  | RUPEsh         | ritesh     | 1                  | D     |          | 12          |
| Q3835-04        | MW-118-37.5-121025 | SVOC-SIMGrou<br>p1 | 1000     | 6  | RUPEsh         | ritesh     | 1                  | D     |          | 13          |
| Q3835-05        | MW-01-7-121025     | SVOC-SIMGrou<br>p1 | 960      | 6  | RUPEsh         | ritesh     | 1                  | D     |          | 14          |



# WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q3813      WorkList ID : 193598      Department : Extraction      Date : 12-11-2025 09:31:02

| Sample   | Customer Sample    | Matrix | Test           | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method        |
|----------|--------------------|--------|----------------|--------------|----------|-----------------------------|--------------|---------------|
| Q3813-01 | BR-04DR-451-120825 | Water  | SVOC-SIMGroup1 | Cool 4 deg C | JACO05   | A11                         | 12/08/2025   | 8270-Modified |
| Q3813-03 | EB01-120825        | Water  | SVOC-SIMGroup1 | Cool 4 deg C | JACO05   | A11                         | 12/08/2025   | 8270-Modified |
| Q3828-01 | BR-02-133-120925   | Water  | SVOC-SIMGroup1 | Cool 4 deg C | JACO05   | A11                         | 12/09/2025   | 8270-Modified |
| Q3828-03 | OWBR-06-219-120925 | Water  | SVOC-SIMGroup1 | Cool 4 deg C | JACO05   | A11                         | 12/09/2025   | 8270-Modified |
| Q3828-05 | RMW-03B-90-120925  | Water  | SVOC-SIMGroup1 | Cool 4 deg C | JACO05   | A11                         | 12/09/2025   | 8270-Modified |
| Q3828-06 | OWBR-03-138-120925 | Water  | SVOC-SIMGroup1 | Cool 4 deg C | JACO05   | A11                         | 12/09/2025   | 8270-Modified |
| Q3828-08 | FB01-120925        | Water  | SVOC-SIMGroup1 | Cool 4 deg C | JACO05   | A11                         | 12/09/2025   | 8270-Modified |
| Q3835-01 | MW-11A-13.5-121025 | Water  | SVOC-SIMGroup1 | Cool 4 deg C | JACO05   | A11                         | 12/10/2025   | 8270-Modified |
| Q3835-02 | OWBR-01-170-121025 | Water  | SVOC-SIMGroup1 | Cool 4 deg C | JACO05   | A11                         | 12/10/2025   | 8270-Modified |
| Q3835-04 | MW-118-37.5-121025 | Water  | SVOC-SIMGroup1 | Cool 4 deg C | JACO05   | A11                         | 12/10/2025   | 8270-Modified |
| Q3835-05 | MW-01-7-121025     | Water  | SVOC-SIMGroup1 | Cool 4 deg C | JACO05   | A11                         | 12/10/2025   | 8270-Modified |

Date/Time 12/11/25 9:32  
Raw Sample Received by: RS (Ext-662)  
Raw Sample Relinquished by: CR SM

Date/Time 12/11/25 10:15  
Raw Sample Received by: CR SM  
Raw Sample Relinquished by: RS (Ext-662)

## Prep Standard - Chemical Standard Summary

**Order ID :** Q3828

**Test :** SVOC-SIMGroup1

**Prepbatch ID :** PB170912,

**Sequence ID/Qc Batch ID:** BN121225,

**Standard ID :**

EP2657,EP2658,EP2665,SP6875,SP6907,SP6938,SP6939,SP6940,SP6942,SP6943,SP6944,SP6945,SP6946,SP6947,SP6948,SP6949,SP6950,

**Chemical ID :**

10ul/1000ul

sample,E3875,E3882,E3973,E3980,E3982,E3986,E3987,M6186,S 11497,S11653,S11791,S11829,S12116,S12204,S12274,S12577,S12639,S12909,S13059,S13126,S13182,S13257,S13272,S13307,W 3112,

## Extractions STANDARD PREPARATION LOG

| <u>Recipe ID</u> | <u>NAME</u>    | <u>NO.</u>             | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u>            |
|------------------|----------------|------------------------|------------------|------------------------|--------------------|----------------|------------------|---------------------------------|
| 314              | 1.1 H2SO4 SOLN | <a href="#">EP2657</a> | 11/03/2025       | 05/03/2026             | RUPESHKUMAR SHAH   | None           | None             | Riteshkumar Patel<br>11/03/2025 |

**FROM** 1000.00000ml of M6186 + 1000.00000ml of W3112 = Final Quantity: 2000.000 ml

| <u>Recipe ID</u> | <u>NAME</u>                | <u>NO.</u>             | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u>            |
|------------------|----------------------------|------------------------|------------------|------------------------|--------------------|----------------|------------------|---------------------------------|
| 1874             | 10 N SODIUM HYDROXIDE SOLN | <a href="#">EP2658</a> | 11/03/2025       | 05/03/2026             | RUPESHKUMAR SHAH   | None           | None             | Riteshkumar Patel<br>11/03/2025 |

**FROM** 1000.00000ml of W3112 + 400.00000gram of E3882 = Final Quantity: 1000.000 ml

## Extractions STANDARD PREPARATION LOG

| <u>Recipe ID</u> | <u>NAME</u>          | <u>NO.</u>             | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u>                      | <u>PipetteID</u> | <u>Supervised By</u>                |
|------------------|----------------------|------------------------|------------------|------------------------|--------------------|-------------------------------------|------------------|-------------------------------------|
| 3923             | Baked Sodium Sulfate | <a href="#">EP2665</a> | 12/05/2025       | 06/05/2026             | RUPESHKUMAR SHAH   | Extraction_SC<br>ALE_2<br>(EX-SC-2) | None             | Riteshkumar Patel<br><br>12/05/2025 |

**FROM** 4000.00000gram of E3875 = Final Quantity: 4000.000 gram

| <u>Recipe ID</u> | <u>NAME</u>          | <u>NO.</u>             | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u>              |
|------------------|----------------------|------------------------|------------------|------------------------|--------------------|----------------|------------------|-----------------------------------|
| 3895             | 50 ug/ml DFTTP 8270E | <a href="#">SP6875</a> | 09/30/2025       | 03/30/2026             | Rahul Chavli       | None           | None             | Jagrut Upadhyay<br><br>09/30/2025 |

**FROM** 1.00000ml of S12577 + 19.00000ml of E3973 = Final Quantity: 20.000 ml

## SVOC STANDARD PREPARATION LOG

| <u>Recipe ID</u> | <u>NAME</u>               | <u>NO.</u>             | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u>         |
|------------------|---------------------------|------------------------|------------------|------------------------|--------------------|----------------|------------------|------------------------------|
| 3493             | Internal Standard 0.4 PPM | <a href="#">SP6907</a> | 11/07/2025       | 04/16/2026             | Jagrut Upadhyay    | None           | None             | mohammad ahmed<br>11/13/2025 |

**FROM** 0.10000ml of S13182 + 4.90000ml of E3980 = Final Quantity: 5.000 ml

| <u>Recipe ID</u> | <u>NAME</u>            | <u>NO.</u>             | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u>        |
|------------------|------------------------|------------------------|------------------|------------------------|--------------------|----------------|------------------|-----------------------------|
| 3492             | 8270-SIM-Spike 0.4 PPM | <a href="#">SP6938</a> | 12/03/2025       | 05/16/2026             | Jagrut Upadhyay    | None           | None             | Sohil Jodhani<br>12/08/2025 |

**FROM** 0.00080ml of S11653 + 0.01000ml of S13126 + 0.02000ml of S13257 + 0.02000ml of S13272 + 0.02000ml of S13307 + 49.92920ml of E3987 = Final Quantity: 50.000 ml



| <u>Recipe ID</u> | <u>NAME</u>                                                                                                                                                                         | <u>NO.</u>             | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u>        |
|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|------------------|------------------------|--------------------|----------------|------------------|-----------------------------|
| 3339             | 8270 sim calibration stock 10ppm (CPI)                                                                                                                                              | <a href="#">SP6939</a> | 12/04/2025       | 02/16/2026             | Jagrut Upadhyay    | None           | None             | Sohil Jodhani<br>12/08/2025 |
| <u>FROM</u>      | 0.03350ml of S12639 + 0.05000ml of S11497 + 0.12500ml of S11829 + 0.12500ml of S12116 + 0.25000ml of S12274 + 0.25000ml of S13059 + 24.16650ml of E3986 = Final Quantity: 25.000 ml |                        |                  |                        |                    |                |                  |                             |

| <u>Recipe ID</u>                                                                                             | <u>NAME</u>                               | <u>NO.</u>             | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u>        |
|--------------------------------------------------------------------------------------------------------------|-------------------------------------------|------------------------|------------------|------------------------|--------------------|----------------|------------------|-----------------------------|
| 3361                                                                                                         | 8270-SIM MDL-5PPM<br>CALIBRATION SOLUTION | <a href="#">SP6940</a> | 12/04/2025       | 02/16/2026             | Jagrut<br>Upadhyay | None           | None             | Sohil Jodhani<br>12/08/2025 |
| <b><u>FROM</u></b> 0.50000ml of E3986 + 0.01000ml of SP6907 + 0.50000ml of SP6939 = Final Quantity: 1.010 ml |                                           |                        |                  |                        |                    |                |                  |                             |

## SVOC STANDARD PREPARATION LOG

| <u>Recipe ID</u> | <u>NAME</u>                              | <u>NO.</u>             | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|------------------------------------------|------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 3341             | 8270-SIM MDL-3.2PPM CALIBRATION SOLUTION | <a href="#">SP6942</a> | 12/04/2025       | 02/16/2026             | Jagrut Upadhyay    | None           | None             | Sohil Jodhani        |
|                  |                                          |                        |                  |                        |                    |                |                  | 12/08/2025           |

**FROM** 0.68000ml of E3986 + 0.01000ml of SP6907 + 0.32000ml of SP6939 = Final Quantity: 1.010 ml

| <u>Recipe ID</u> | <u>NAME</u>                              | <u>NO.</u>             | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|------------------------------------------|------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 3344             | 8270-SIM MDL-1.6PPM CALIBRATION SOLUTION | <a href="#">SP6943</a> | 12/04/2025       | 02/16/2026             | Jagrut Upadhyay    | None           | None             | Sohil Jodhani        |
|                  |                                          |                        |                  |                        |                    |                |                  | 12/08/2025           |

**FROM** 0.84000ml of E3986 + 0.01000ml of SP6907 + 0.16000ml of SP6939 = Final Quantity: 1.010 ml

## SVOC STANDARD PREPARATION LOG

| <u>Recipe ID</u> | <u>NAME</u>                              | <u>NO.</u>             | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|------------------------------------------|------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 3342             | 8270-SIM MDL-0.8PPM CALIBRATION SOLUTION | <a href="#">SP6944</a> | 12/04/2025       | 02/16/2026             | Jagrut Upadhyay    | None           | None             | Sohil Jodhani        |
|                  |                                          |                        |                  |                        |                    |                |                  | 12/08/2025           |

**FROM** 0.92000ml of E3986 + 0.01000ml of SP6907 + 0.08000ml of SP6939 = Final Quantity: 1.010 ml

| <u>Recipe ID</u> | <u>NAME</u>                              | <u>NO.</u>             | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|------------------------------------------|------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 3343             | 8270-SIM MDL-0.4PPM CALIBRATION SOLUTION | <a href="#">SP6945</a> | 12/04/2025       | 02/16/2026             | Jagrut Upadhyay    | None           | None             | Sohil Jodhani        |
|                  |                                          |                        |                  |                        |                    |                |                  | 12/08/2025           |

**FROM** 0.96000ml of E3986 + 0.01000ml of SP6907 + 0.04000ml of SP6939 = Final Quantity: 1.010 ml

## SVOC STANDARD PREPARATION LOG

| <u>Recipe ID</u> | <u>NAME</u>                              | <u>NO.</u>             | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|------------------------------------------|------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 3345             | 8270-SIM MDL-0.2PPM CALIBRATION SOLUTION | <a href="#">SP6946</a> | 12/04/2025       | 02/16/2026             | Jagrut Upadhyay    | None           | None             | Sohil Jodhani        |
|                  |                                          |                        |                  |                        |                    |                |                  | 12/08/2025           |

**FROM** 0.50000ml of E3986 + 0.01000ml of SP6907 + 0.50000ml of SP6945 = Final Quantity: 1.010 ml

| <u>Recipe ID</u> | <u>NAME</u>                              | <u>NO.</u>             | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|------------------------------------------|------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 3346             | 8270-SIM MDL-0.1PPM CALIBRATION SOLUTION | <a href="#">SP6947</a> | 12/04/2025       | 02/16/2026             | Jagrut Upadhyay    | None           | None             | Sohil Jodhani        |
|                  |                                          |                        |                  |                        |                    |                |                  | 12/08/2025           |

**FROM** 0.75000ml of E3986 + 0.01000ml of SP6907 + 0.25000ml of SP6945 = Final Quantity: 1.010 ml



| <u>Recipe ID</u>                                                                                                                                                                                                              | <u>NAME</u>                                       | <u>NO.</u>             | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 3355                                                                                                                                                                                                                          | 8270-SIM MDL-3.2PPM<br>CALIBRATION STOCK SOL- 2ND | <a href="#">SP6948</a> | 12/05/2025       | 04/16/2026             | Jagrut Upadhyay    | None           | None             | Sohil Jodhani        |
| <b>SOURCE</b><br>0.00630ml of S12204 + 0.01280ml of S12909 + 0.03200ml of S11791 + 0.03200ml of S11829 + 0.06400ml of S13257 +<br>0.06400ml of S13272 + 0.06400ml of S13307 + 19.72490ml of E3986 = Final Quantity: 20.000 ml |                                                   |                        |                  |                        |                    |                |                  |                      |
| <b>FROM</b>                                                                                                                                                                                                                   |                                                   |                        |                  |                        |                    |                |                  |                      |

| <u>Recipe ID</u>                                                                                                       | <u>NAME</u>                                    | <u>NO.</u>             | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 3356                                                                                                                   | 8270-SIM MDL-0.4PPM<br>CALIBRATION SOL ICV-2ND | <a href="#">SP6949</a> | 12/05/2025       | 04/16/2026             | Jagrut Upadhyay    | None           | None             | Sohil Jodhani        |
| <b>SOURCE</b><br><b>FROM</b> 0.87500ml of E3986 + 0.01000ml of SP6907 + 0.12500ml of SP6948 = Final Quantity: 1.010 ml |                                                |                        |                  |                        |                    |                |                  |                      |



| <u>Recipe ID</u>                                                                                                                      | <u>NAME</u>                | <u>NO.</u>             | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u>        |
|---------------------------------------------------------------------------------------------------------------------------------------|----------------------------|------------------------|------------------|------------------------|--------------------|----------------|------------------|-----------------------------|
| 3491                                                                                                                                  | 8270-SIM-Surrogate 0.4 PPM | <a href="#">SP6950</a> | 12/11/2025       | 05/13/2026             | Jagrut Upadhyay    | None           | None             | Sohil Jodhani<br>12/16/2025 |
| <b><u>FROM</u></b> 0.00400ml of S12204 + 0.00800ml of S12909 + 0.02000ml of S11829 + 99.96800ml of E3982 = Final Quantity: 100.000 ml |                            |                        |                  |                        |                    |                |                  |                             |

## CHEMICAL RECEIPT LOG BOOK

| Supplier                    | ItemCode / ItemName                                    | Lot #  | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|-----------------------------|--------------------------------------------------------|--------|-----------------|-------------------------|-----------------------------|----------------|
| PCI Scientific Supply, Inc. | PC19631-100 / SODIUM SULFATE, ANHYDROUS, PEST GRADE, 1 | 417203 | 07/28/2026      | 07/28/2025 / RUPESH     | 01/29/2025 / Rajesh         | E3875          |

| Supplier                    | ItemCode / ItemName                                  | Lot #          | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|-----------------------------|------------------------------------------------------|----------------|-----------------|-------------------------|-----------------------------|----------------|
| PCI Scientific Supply, Inc. | PC19510-5 / Sodium Hydroxide Pellets 2.5 Kg, Pk of 4 | 240301-B077875 | 01/31/2028      | 07/30/2025 /            | 02/24/2025 / RUPESH         | E3882          |

| Supplier         | ItemCode / ItemName                                         | Lot #      | Expiration Date | Date Opened / Opened By  | Received Date / Received By | Chemtech Lot # |
|------------------|-------------------------------------------------------------|------------|-----------------|--------------------------|-----------------------------|----------------|
| Seidler Chemical | BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L) | 25C1262005 | 04/16/2026      | 09/15/2025 / Riteshkumar | 09/15/2025 / Riteshkumar    | E3973          |

| Supplier         | ItemCode / ItemName                                         | Lot #      | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|------------------|-------------------------------------------------------------|------------|-----------------|-------------------------|-----------------------------|----------------|
| Seidler Chemical | BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L) | 25C1262005 | 04/16/2026      | 10/10/2025 / RUPESH     | 10/10/2025 / RUPESH         | E3980          |

| Supplier         | ItemCode / ItemName                        | Lot #      | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|------------------|--------------------------------------------|------------|-----------------|-------------------------|-----------------------------|----------------|
| Seidler Chemical | BA-9254-03 / Acetone, Ultra Resi (cs/4x4L) | 24L1062001 | 10/04/2027      | 10/31/2025 / RUPESH     | 10/31/2025 / RUPESH         | E3982          |

| Supplier         | ItemCode / ItemName                                         | Lot #      | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|------------------|-------------------------------------------------------------|------------|-----------------|-------------------------|-----------------------------|----------------|
| Seidler Chemical | BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L) | 25C1262005 | 04/16/2026      | 11/14/2025 / RUPESH     | 11/05/2025 / RUPESH         | E3986          |

## CHEMICAL RECEIPT LOG BOOK

| Supplier         | ItemCode / ItemName                        | Lot #      | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|------------------|--------------------------------------------|------------|-----------------|-------------------------|-----------------------------|----------------|
| Seidler Chemical | BA-9254-03 / Acetone, Ultra Resi (cs/4x4L) | 24L1062001 | 05/16/2026      | 11/17/2025 / RUPESH     | 11/12/2025 / RUPESH         | E3987          |

| Supplier         | ItemCode / ItemName                                     | Lot #      | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|------------------|---------------------------------------------------------|------------|-----------------|-------------------------|-----------------------------|----------------|
| Seidler Chemical | BA-9673-33 / Sulfuric Acid, Instra-Analyzed (cs/6c2.5L) | 23D2462010 | 07/12/2026      | 08/13/2025 / Sagar      | 08/06/2025 / Sagar          | M6186          |

| Supplier          | ItemCode / ItemName                                               | Lot #  | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|-------------------|-------------------------------------------------------------------|--------|-----------------|-------------------------|-----------------------------|----------------|
| CPI International | Z-110094-02 / CLP Base/Neutral Surrogate Solution, 5000 mg/L, 1ml | 506889 | 04/22/2026      | 10/22/2025 / Jagrut     | 08/11/2023 / Yogesh         | S11497         |

| Supplier | ItemCode / ItemName                                         | Lot #    | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------|-------------------------------------------------------------|----------|-----------------|-------------------------|-----------------------------|----------------|
| Restek   | 555872 / Custom Standard, pentachlorophenol Std [CS 5328-5] | A0201728 | 06/01/2026      | 12/01/2025 / Jagrut     | 11/09/2023 / Yogesh         | S11653         |

| Supplier | ItemCode / ItemName                                           | Lot #    | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------|---------------------------------------------------------------|----------|-----------------|-------------------------|-----------------------------|----------------|
| Restek   | 31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride | A0196453 | 05/18/2026      | 11/18/2025 / Jagrut     | 11/21/2023 / Rahul          | S11791         |

| Supplier | ItemCode / ItemName                                         | Lot #    | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------|-------------------------------------------------------------|----------|-----------------|-------------------------|-----------------------------|----------------|
| Restek   | 33913 / SOM01.0 SIM Analysis Standard (Surrogate), 2000 PPM | A0201976 | 05/21/2026      | 11/21/2025 / Jagrut     | 11/21/2023 / rahul          | S11829         |

## CHEMICAL RECEIPT LOG BOOK

| Supplier          | ItemCode / ItemName                                | Lot #  | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|-------------------|----------------------------------------------------|--------|-----------------|-------------------------|-----------------------------|----------------|
| CPI International | z-010223-01 / 1,4-Dioxane Solution, 2,000mg/L, 1ml | 454157 | 04/22/2026      | 10/22/2025 / Jagrut     | 03/08/2024 / Rahul          | S12116         |

| Supplier | ItemCode / ItemName                                      | Lot #    | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------|----------------------------------------------------------|----------|-----------------|-------------------------|-----------------------------|----------------|
| Restek   | 31087 / Acid Surrogate 10,000ug/ml, methanol, 5ml/ ampul | A0206206 | 05/18/2026      | 11/18/2025 / Jagrut     | 03/15/2024 / Rahul          | S12204         |

| Supplier          | ItemCode / ItemName                                                  | Lot #  | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|-------------------|----------------------------------------------------------------------|--------|-----------------|-------------------------|-----------------------------|----------------|
| CPI International | z-110381-01 / 8270 Calibration Solution, 76-1, 500 & 1,000 mg/L, 1ml | 520963 | 06/04/2026      | 12/04/2025 / Jagrut     | 05/24/2024 / Rahul          | S12274         |

| Supplier | ItemCode / ItemName                                                              | Lot #    | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------|----------------------------------------------------------------------------------|----------|-----------------|-------------------------|-----------------------------|----------------|
| Restek   | 31615 / SV Mixture, GC/MS Tuning Mixture, CH <sub>2</sub> Cl <sub>2</sub> , 1mL, | A0212955 | 06/30/2027      | 03/31/2025 / Rahul      | 08/01/2024 / Rahul          | S12577         |

| Supplier          | ItemCode / ItemName                                       | Lot #  | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|-------------------|-----------------------------------------------------------|--------|-----------------|-------------------------|-----------------------------|----------------|
| CPI International | Z-112090-04 / CLP Acid Surrogate Solution, 7500 mg/L, 1ml | 440246 | 02/16/2026      | 12/04/2025 / Jagrut     | 09/12/2024 / anahy          | S12639         |

| Supplier | ItemCode / ItemName                                                             | Lot #    | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------|---------------------------------------------------------------------------------|----------|-----------------|-------------------------|-----------------------------|----------------|
| Restek   | 31086 / Base Neutral Surrogate 5000ug/ml, CH <sub>2</sub> Cl <sub>2</sub> , 5ml | A0216785 | 05/13/2026      | 11/13/2025 / Jagrut     | 12/09/2024 / anahy          | S12909         |

## CHEMICAL RECEIPT LOG BOOK

| Supplier          | ItemCode / ItemName                                                                  | Lot #  | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|-------------------|--------------------------------------------------------------------------------------|--------|-----------------|-------------------------|-----------------------------|----------------|
| CPI International | Z-110816-01 / Custom 8270 Mix, 4-79, 1000 mg/L, 1 mL, (Maximum Expiration: 180 Days) | 531243 | 06/04/2026      | 12/04/2025 / Jagrut     | 01/16/2025 / anahy          | S13059         |

| Supplier | ItemCode / ItemName                                           | Lot #    | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------|---------------------------------------------------------------|----------|-----------------|-------------------------|-----------------------------|----------------|
| Restek   | 31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride | A0218894 | 06/01/2026      | 12/01/2025 / Jagrut     | 05/20/2025 / Rahul          | S13126         |

| Supplier | ItemCode / ItemName                                              | Lot #    | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------|------------------------------------------------------------------|----------|-----------------|-------------------------|-----------------------------|----------------|
| Restek   | 31206 / SV Mix, CLP method, Internal Std, 2000ug/mL, CH2Cl2, 1mL | A0224359 | 05/07/2026      | 11/07/2025 / rahul      | 06/02/2025 / anahy          | S13182         |

| Supplier | ItemCode / ItemName                                                                                   | Lot #    | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------|-------------------------------------------------------------------------------------------------------|----------|-----------------|-------------------------|-----------------------------|----------------|
| Restek   | 555223 / Custom 8270 Plus Std #1 [2nd lot at \$100 per ampul if requested - contact ARM with Request] | A0228451 | 06/01/2026      | 12/01/2025 / Jagrut     | 08/06/2025 / Rahul          | S13257         |

[CS 4978-1]

| Supplier | ItemCode / ItemName                                                                                  | Lot #    | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------|------------------------------------------------------------------------------------------------------|----------|-----------------|-------------------------|-----------------------------|----------------|
| Restek   | 555224 / Custom 8270 Plus Std #2 [2nd lot at \$85 per ampul if requested - contact ARM with Request] | A0228494 | 06/01/2026      | 12/01/2025 / Jagrut     | 08/06/2025 / Rahul          | S13272         |

[CS 4978-2]

| Supplier | ItemCode / ItemName                                                                 | Lot #    | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------|-------------------------------------------------------------------------------------|----------|-----------------|-------------------------|-----------------------------|----------------|
| Restek   | 31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2] | A0229652 | 06/01/2026      | 12/01/2025 / Jagrut     | 10/15/2025 / rahul          | S13307         |

### **CHEMICAL RECEIPT LOG BOOK**

| Supplier         | ItemCode / ItemName | Lot #               | Expiration Date | Date Opened /<br>Opened By | Received Date /<br>Received By | Chemtech<br>Lot # |
|------------------|---------------------|---------------------|-----------------|----------------------------|--------------------------------|-------------------|
| Seidler Chemical | DIW / DI Water      | Daily Lab-Certified | 07/03/2029      | 07/03/2024 /<br>lwona      | 07/03/2024 /<br>lwona          | W3112             |



**PRODUCTOS  
QUÍMICOS  
MONTERREY, S.A. DE C.V.**

MIRADOR 201, COL. MIRADOR  
MONTERREY, N.L. MÉXICO  
CP 64070  
TEL +52 81 13 52 67 67  
www.pqm.com.mx

# CERTIFICATE OF ANALYSIS

|                       |                                   |               |                                 |
|-----------------------|-----------------------------------|---------------|---------------------------------|
| PRODUCT :             | SODIUM SULFATE CRYSTALS ANHYDROUS |               |                                 |
| QUALITY :             | ACS (CODE RMB3375)                | FORMULA :     | Na <sub>2</sub> SO <sub>4</sub> |
| SPECIFICATION NUMBER: | 6399                              | RELEASE DATE: | MAY/23/2024                     |
| LOT NUMBER :          | 417203                            |               |                                 |

| TEST                                     | SPECIFICATIONS | LOT VALUES  |
|------------------------------------------|----------------|-------------|
| Assay (Na <sub>2</sub> SO <sub>4</sub> ) | Min. 99.0%     | 99.8 %      |
| pH of a 5% solution at 25°C              | 5.2 - 9.2      | 6.2         |
| Insoluble matter                         | Max. 0.01%     | 0.001 %     |
| Loss on ignition                         | Max. 0.5%      | 0.1 %       |
| Chloride (Cl)                            | Max. 0.001%    | <0.001 %    |
| Nitrogen compounds (as N)                | Max. 5 ppm     | <5 ppm      |
| Phosphate (PO <sub>4</sub> )             | Max. 0.001%    | <0.001 %    |
| Heavy metals (as Pb)                     | Max. 5 ppm     | <5 ppm      |
| Iron (Fe)                                | Max. 0.001%    | <0.001 %    |
| Calcium (Ca)                             | Max. 0.01%     | 0.001 %     |
| Magnesium (Mg)                           | Max. 0.005%    | 0.001 %     |
| Potassium (K)                            | Max. 0.008%    | 0.001 %     |
| Extraction-concentration suitability     | Passes test    | Passes test |
| Appearance                               | Passes test    | Passes test |
| Identification                           | Passes test    | Passes test |
| Solubility and foreign matter            | Passes test    | Passes test |
| Retained on US Standard No. 10 sieve     | Max. 1%        | 0.2 %       |
| Retained on US Standard No. 60 sieve     | Min. 94%       | 96.2 %      |
| Through US Standard No. 60 sieve         | Max. 5%        | 3.5 %       |
| Through US Standard No. 100 sieve        | Max. 10%       | 0.1 %       |

## COMMENTS

QC: PhC Irma Belmares

If you need further details, please call our factory or contact our local distributor.

RE-02-01, Ed. 3

E 3875



## CERTIFICATE OF ANALYSIS

|                          |                          |
|--------------------------|--------------------------|
| Product Name             | Sodium Hydroxide Pellets |
| Grade                    | ACS/NF/EP/BP Grade       |
| Catalog #                | 289ACSNFEPBP             |
| Item #                   | 103433                   |
| Batch #                  | 240301-B077875           |
| Date of Manufacture:     | 01 Feb 2024              |
| Recommended Retest Date: | 31 Jan 2028              |
| Customer PO #            | 6058164                  |
| Packaging Type           | Drum Fiber 50 Kg         |

| TEST                                                | MONO-GRAPH | SPECIFICATION                                               | RESULT    | UNITS |
|-----------------------------------------------------|------------|-------------------------------------------------------------|-----------|-------|
| Assay                                               | ACS        | NLT 97.0%                                                   | 98.7      | %     |
| Assay - Total Alkali                                | NF         | 95.0% - 100.5%                                              | 98.7      | %     |
| Assay - Content of Sodium                           | NF         | 54.0% - 59.8%                                               | 56.7      | %     |
| Appearance of solution                              | EP/BP      | The solution is clear and colourless                        | Pass      | N/A   |
| Sodium Carbonate (Na <sub>2</sub> CO <sub>3</sub> ) | ACS        | 1.0% max.                                                   | 0.5       | %     |
| Sodium Carbonate (Na <sub>2</sub> CO <sub>3</sub> ) | NF         | 3.0% max.                                                   | 0.5       | %     |
| Carbonates                                          | EP/BP      | Maximum 2.0%, calculated as Na <sub>2</sub> CO <sub>3</sub> | 0.5       | %     |
| Sulfate (SO <sub>4</sub> )                          | ACS        | 0.003% max.                                                 | LT 0.002% | N/A   |
| Sulfates                                            | EP/BP      | Maximum 200 ppm                                             | LT 20 ppm | N/A   |
| Chloride (Cl)                                       | ACS        | 0.005% max.                                                 | LT 0.005% | N/A   |
| Chlorides                                           | EP/BP      | Maximum 200 ppm                                             | LT 50 ppm | N/A   |
| Nitrogen Compounds (as N)                           | ACS        | 0.001% max.                                                 | LT 0.001% | N/A   |
| Phosphate (PO <sub>4</sub> )                        | ACS        | 0.001% max.                                                 | LT 0.001% | N/A   |
| Heavy Metals (as Ag)                                | ACS        | 0.002% max                                                  | LT 0.002% | N/A   |
| Iron (Fe)                                           | ACS        | 0.001% max.                                                 | LT 0.001% | N/A   |

|        |        |
|--------|--------|
| E 3882 | E 3884 |
| E 3883 | E 3885 |

[www.pharmco.com](http://www.pharmco.com) | [www.greenfield.com](http://www.greenfield.com)

Methylene Chloride  
ULTRA RESI-ANALYZED  
For Organic Residue Analysis  
(dichloromethane)



Material No.: 9266-A4  
Batch No.: 25C1262005  
Manufactured Date: 2025-01-15  
Expiration Date: 2026-04-16  
Revision No.: 0

## Certificate of Analysis

| Test                                                                                       | Specification  | Result     |
|--------------------------------------------------------------------------------------------|----------------|------------|
| FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)                       | $\leq 5$       | 1          |
| ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)                        | $\leq 10$      | 1          |
| Assay ( $\text{CH}_2\text{Cl}_2$ ) (by GC, exclusive of preservative, corrected for water) | $\geq 99.8\%$  | 100.0 %    |
| Color (APHA)                                                                               | $\leq 10$      | 5          |
| Residue after Evaporation                                                                  | $\leq 1.0$ ppm | 0.1 ppm    |
| Titration Acid ( $\mu\text{eq/g}$ )                                                        | $\leq 0.3$     | $< 0.1$    |
| Chloride (Cl)                                                                              | $\leq 10$ ppm  | $< 5$ ppm  |
| Water (by KF, coulometric)                                                                 | $\leq 0.02\%$  | $< 0.01\%$ |

For Laboratory, Research, or Manufacturing Use  
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States  
Packaging Site: Phillipsburg Mfg Ctr & DC

REC. on 10/10/25  
RJ

E3980

Jamie Croak  
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials, LLC

100 Matsonford Rd, Suite 200, Radnor, PA, 19087, U.S.A. Phone 610.386.1700

Acetone

BAKER RESI-ANALYZED® Reagent  
For Organic Residue Analysis

 **avantors**™



Material No.: 9254-03

Batch No.: 24L1062001

Manufactured Date: 2024-10-04

Expiration Date: 2027-10-04

Revision No.: 0

## Certificate of Analysis

| Test                                                                    | Specification | Result      |
|-------------------------------------------------------------------------|---------------|-------------|
| Assay ((CH <sub>3</sub> ) <sub>2</sub> CO) (by GC, corrected for water) | >= 99.4 %     | 99.7 %      |
| Color (APHA)                                                            | <= 10         | 5           |
| Residue after Evaporation                                               | <= 1.0 ppm    | 0.3 ppm     |
| Substances Reducing Permanganate                                        | Passes Test   | Passes Test |
| Titration Acid (µeq/g)                                                  | <= 0.3        | 0.1         |
| Titration Base (µeq/g)                                                  | <= 0.6        | <0.1        |
| Water (H <sub>2</sub> O)                                                | <= 0.5 %      | 0.3 %       |
| FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)    | <= 5          | <1          |
| ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)    | <= 10         | 1           |

For Laboratory, Research, or Manufacturing Use

MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States

Packaging Site: Phillipsburg Mfg Ctr & DC

*Received on 10/29/25*

**E3982**

*J. Croak*

Jamie Croak  
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials LLC

Methylene Chloride  
ULTRA RESI-ANALYZED  
For Organic Residue Analysis  
(dichloromethane)



Material No.: 9266-A4  
Batch No.: 25C1262005  
Manufactured Date: 2025-01-15  
Expiration Date: 2026-04-16  
Revision No.: 0

## Certificate of Analysis

| Test                                                                                       | Specification  | Result     |
|--------------------------------------------------------------------------------------------|----------------|------------|
| FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)                       | $\leq 5$       | 1          |
| ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)                       | $\leq 10$      | 1          |
| Assay ( $\text{CH}_2\text{Cl}_2$ ) (by GC, exclusive of preservative, corrected for water) | $\geq 99.8\%$  | 100.0%     |
| Color (APHA)                                                                               | $\leq 10$      | 5          |
| Residue after Evaporation                                                                  | $\leq 1.0$ ppm | 0.1 ppm    |
| Titration Acid ( $\mu\text{eq/g}$ )                                                        | $\leq 0.3$     | $< 0.1$    |
| Chloride (Cl)                                                                              | $\leq 10$ ppm  | $< 5$ ppm  |
| Water (by KF, coulometric)                                                                 | $\leq 0.02\%$  | $< 0.01\%$ |

For Laboratory, Research, or Manufacturing Use  
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Received on  
11/5/25

Country of Origin: United States  
Packaging Site: Phillipsburg Mfg Ctr & DC

E3986

Jamie Croak  
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Acetone

BAKER RESI-ANALYZED® Reagent  
For Organic Residue Analysis

avantor™



Material No.: 9254-03

Batch No.: 24L1062001

Manufactured Date: 2024-10-04

Expiration Date: 2027-10-04

Revision No.: 0

## Certificate of Analysis

| Test                                                                    | Specification | Result      |
|-------------------------------------------------------------------------|---------------|-------------|
| Assay ((CH <sub>3</sub> ) <sub>2</sub> CO) (by GC, corrected for water) | >= 99.4 %     | 99.7 %      |
| Color (APHA)                                                            | <= 10         | 5           |
| Residue after Evaporation                                               | <= 1.0 ppm    | 0.3 ppm     |
| Substances Reducing Permanganate                                        | Passes Test   | Passes Test |
| Titration Acid (µeq/g)                                                  | <= 0.3        | 0.1         |
| Titration Base (µeq/g)                                                  | <= 0.6        | <0.1        |
| Water (H <sub>2</sub> O)                                                | <= 0.5 %      | 0.3 %       |
| FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)    | <= 5          | <1          |
| ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)    | <= 10         | 1           |

For Laboratory, Research, or Manufacturing Use

MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

received on 11/12/25

Country of Origin: United States

Packaging Site: Phillipsburg Mfg Ctr & DC

E3987

J. Croak

Jamie Croak  
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials LLC

Sulfuric Acid  
BAKER INSTRA-ANALYZED® Reagent  
For Trace Metal Analysis  
Low Selenium

avantor™



M6186

Recieve Date :- 08/06/25

Material No.: 9673-33  
Batch No.: 23D2462010  
Manufactured Date: 2023-03-22  
Retest Date: 2028-03-20  
Revision No.: 0

## Certificate of Analysis

| Test                                                         | Specification | Result      |
|--------------------------------------------------------------|---------------|-------------|
| ACS - Assay (H <sub>2</sub> SO <sub>4</sub> )                | 95.0 - 98.0 % | 96.1 %      |
| Appearance                                                   | Passes Test   | Passes Test |
| ACS - Color (APHA)                                           | ≤ 10          | 5           |
| ACS - Residue after Ignition                                 | ≤ 3 ppm       | < 1 ppm     |
| ACS - Substances Reducing Permanganate (as SO <sub>2</sub> ) | ≤ 2 ppm       | < 2 ppm     |
| Ammonium (NH <sub>4</sub> )                                  | ≤ 1 ppm       | 1 ppm       |
| Chloride (Cl)                                                | ≤ 0.1 ppm     | < 0.1 ppm   |
| Nitrate (NO <sub>3</sub> )                                   | ≤ 0.2 ppm     | < 0.1 ppm   |
| Phosphate (PO <sub>4</sub> )                                 | ≤ 0.5 ppm     | < 0.1 ppm   |
| Trace Impurities - Aluminum (Al)                             | ≤ 30.0 ppb    | < 5.0 ppb   |
| Arsenic and Antimony (as As)                                 | ≤ 4.0 ppb     | < 2.0 ppb   |
| Trace Impurities - Boron (B)                                 | ≤ 10.0 ppb    | 8.5 ppb     |
| Trace Impurities - Cadmium (Cd)                              | ≤ 2.0 ppb     | < 0.3 ppb   |
| Trace Impurities - Chromium (Cr)                             | ≤ 6.0 ppb     | < 0.4 ppb   |
| Trace Impurities - Cobalt (Co)                               | ≤ 0.5 ppb     | < 0.3 ppb   |
| Trace Impurities - Copper (Cu)                               | ≤ 1.0 ppb     | < 0.1 ppb   |
| Trace Impurities - Gold (Au)                                 | ≤ 10.0 ppb    | 0.5 ppb     |
| Heavy Metals (as Pb)                                         | ≤ 500.0 ppb   | < 100.0 ppb |
| Trace Impurities - Iron (Fe)                                 | ≤ 50.0 ppb    | 1.3 ppb     |
| Trace Impurities - Lead (Pb)                                 | ≤ 0.5 ppb     | < 0.5 ppb   |
| Trace Impurities - Magnesium (Mg)                            | ≤ 7.0 ppb     | 0.8 ppb     |
| Trace Impurities - Manganese (Mn)                            | ≤ 1.0 ppb     | < 0.4 ppb   |
| Trace Impurities - Mercury (Hg)                              | ≤ 0.5 ppb     | < 0.1 ppb   |
| Trace Impurities - Nickel (Ni)                               | ≤ 2.0 ppb     | 0.3 ppb     |
| Trace Impurities - Potassium (K)                             | ≤ 500.0 ppb   | < 2.0 ppb   |
| Trace Impurities - Selenium (Se)                             | ≤ 50.0 ppb    | < 0.1 ppb   |
| Trace Impurities - Silicon (Si)                              | ≤ 100.0 ppb   | 31.5 ppb    |
| Trace Impurities - Silver (Ag)                               | ≤ 1.0 ppb     | < 0.3 ppb   |

>>> Continued on page 2 >>>

Sulfuric Acid  
BAKER INSTRA-ANALYZED® Reagent  
For Trace Metal Analysis  
Low Selenium



Material No.: 9673-33  
Batch No.: 23D2462010

| Test                              | Specification    | Result      |
|-----------------------------------|------------------|-------------|
| Trace Impurities – Sodium (Na)    | $\leq 500.0$ ppb | 5.4 ppb     |
| Trace Impurities – Strontium (Sr) | $\leq 5.0$ ppb   | $< 0.2$ ppb |
| Trace Impurities – Tin (Sn)       | $\leq 5.0$ ppb   | $< 0.8$ ppb |
| Trace Impurities – Zinc (Zn)      | $\leq 5.0$ ppb   | 0.4 ppb     |

For Laboratory, Research, or Manufacturing Use

Country of Origin: USA  
Packaging Site: Phillipsburg Mfg Ctr & DC

A handwritten signature in cursive script that reads 'Jamie Ethier'.  
Jamie Ethier  
Vice President Global Quality



5580 Skyline Blvd  
Santa Rosa, CA 95403

(707)525-5788  
(800)878-7654 Toll Free  
(707)545-7901 Fax

Manufacturer's Quality System  
Audited & Registered  
by TUV USA to ISO 9001:2015

Date Received: \_\_\_\_\_

## Certificate of Analysis

Page 1 of 1

| Catalog No.: Lot No.:              | Storage: | Solvent:           | Exp. Date: | Rev              | Description:                                          |
|------------------------------------|----------|--------------------|------------|------------------|-------------------------------------------------------|
| Z-110094-02 506889                 | ≤ -10 °C | Methylene Chloride | 7/25/2028  | 0                | CLP Base/Neutral Surrogate Solution, 5,000 mg/L, 1 ml |
| Compound                           |          | CAS No.            | Purity (%) | Compound Lot No. | Concentration, mg/L                                   |
| 1,2-dichlorobenzene-d <sub>4</sub> |          | 2199-69-1          | 99.7       | 247.29.3P        | 5035 ± 28.02                                          |
| 2-fluorobiphenyl                   |          | 321-60-8           | 99.69      | 8.286.1.1P       | 4999 ± 103.66                                         |
| nitrobenzene-d5                    |          | 4165-60-0          | 99.67      | 7.9.3P           | 4988 ± 27.32                                          |
| p-terphenyl-d14                    |          | 1718-51-0          | 99.3       | 9.120.8P         | 5005 ± 27.85                                          |

511494 } Y.P.  
↓ 08/11/2023  
511498

\*Not a certified value

Certified By: \_\_\_\_\_  
Clint Tipton  
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00.  
Concentration (correct for purity) and uncertainty (95% confidence) values  
listed are determined gravimetrically.





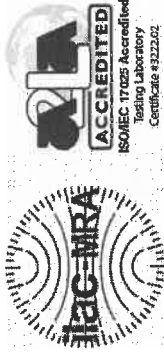
110 Benner Circle  
Bellefonte, PA 16823-8812  
Tel: 1-814-353-1300  
Fax: 1-814-353-1309

[www.restek.com](http://www.restek.com)

## CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

gravimetric



### FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

Catalog No.: 555872      Lot No.: A0201728

Description: Custom Pentachlorophenol Standard

Custom Pentachlorophenol Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size: 2 mL      Pkg Amt: > 1 mL

Expiration Date: September 30, 2026      Storage: 10°C or colder

Ship: Ambient

511649 } Y.P.  
↓ 11/13/23  
511658 }

### CERTIFIED VALUES

| Component # | Compound          | CAS #   | Lot #       | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty* (95% C.L.; K=2) |
|-------------|-------------------|---------|-------------|--------|-----------------------------|---------------------------------------|
| 1           | Pentachlorophenol | 87-86-5 | RP230530RSR | 99%    | 25,000.0 µg/mL              | +/- 777.0837                          |

Solvent: Methanol  
CAS # 67-56-1  
Purity 99%

Josh McCloskey - Operations Technician I

Date Mixed: 05-Sep-2023      Balance: B251644995

Manufactured under Restek's ISO 9001:2015  
Registered Quality System  
Certificate #FM 80397

## General Certified Reference Material Notes

### Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

### Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

### Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

$k$  is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

### Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

### Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



110 Benner Circle  
Bellefonte, PA 16823-8812  
Tel: 1-814-353-1300  
Fax: 1-814-353-1309

www.restek.com

## CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

chromatographic plus



### FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

**Catalog No. :** 31853 **Lot No.:** A0196453  
**Description :** 1,4-dioxane  
1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul  
**Container Size :** 2 mL **Pkg Amt:** > 1 mL  
**Expiration Date :** March 31, 2028 **Storage:** 0°C or colder  
**Ship:** Ambient

S11749  
↓  
S11794 } RC / 11/30/23

### CERTIFIED VALUES

| Elution Order | Compound    | CAS #    | Lot #    | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---------------|-------------|----------|----------|--------|-----------------------------|----------------------------------------|
| 1             | 1,4-Dioxane | 123-91-1 | SHBN3770 | 99%    | 2,013.0 µg/mL               | +/- 25.0521                            |

\* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Methylene chloride  
**CAS #** 75-09-2  
**Purity** 99%

## Quality Confirmation Test

**Column:**

30m x 0.25mm x 0.25µm  
Rtx-5 (cat.#10223)

**Carrier Gas:**

hydrogen-constant flow 1.8 mL/min.

**Temp. Program:**

80°C (hold 0.1 min.) to 330°C  
@ 9.6°C/min. (hold 2.86 min.)

**Inj. Temp:**

250°C

**Det. Temp:**

340°C

**Det. Type:**

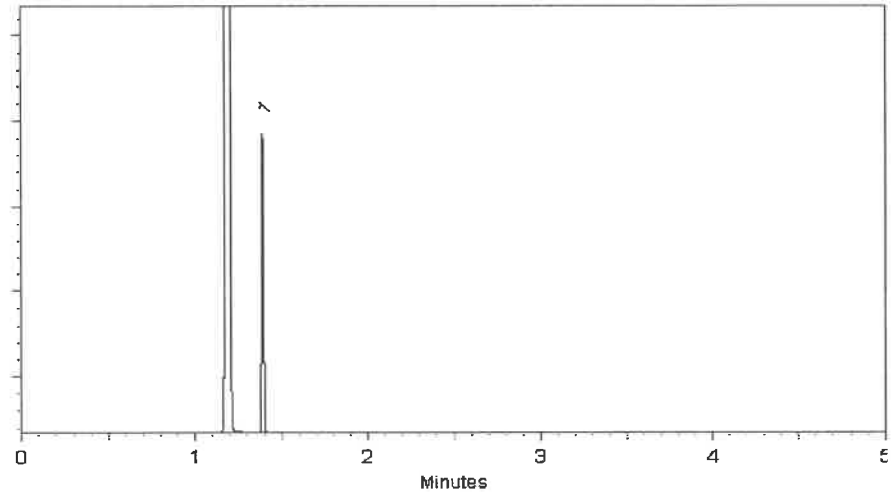
FID

**Split Vent:**

100 ml/min.

**Inj. Vol**

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

*Sam Moodler*  
Sam Moodler - Operations Tech I

Date Mixed: 30-Mar-2023

Balance Serial # B707717271

*Jennifer Pollino*  
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 31-Mar-2023

Manufactured under Restek's ISO 9001:2015  
Registered Quality System  
Certificate #FM 80397

## General Certified Reference Material Notes

### Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

### Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

### Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

$k$  is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

### Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

### Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.





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Bellefonte, PA 16823-8812  
Tel: 1-814-353-1300  
Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

chromatographic plus



## FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 33913 **Lot No.:** A0201976  
**Description :** SOM01.0 SIM Analysis Standard  
SOM01.0 SIM Analysis Standard 2000µg/mL, Methylene chloride, 1mL /ampul  
**Container Size :** 2 mL **Pkg Amt:** > 1 mL  
**Expiration Date :** August 31, 2029 **Storage:** 10°C or colder  
**Handling:** Sonication required. Mix is photosensitive. **Ship:** Ambient

S11828  
↓  
S11832 } RC/  
11/30/23

## CERTIFIED VALUES

| Elution Order | Compound                | CAS #      | Lot #    | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---------------|-------------------------|------------|----------|--------|-----------------------------|----------------------------------------|
| 1             | 2-Methylnaphthalene-d10 | 7297-45-2  | EF-135   | 98%    | 2,015.9 µg/mL               | +/- 90.8098                            |
| 2             | Fluoranthene-d10        | 93951-69-0 | PR-32557 | 99%    | 2,020.0 µg/mL               | +/- 90.9963                            |

\* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Methylene chloride  
**CAS #** 75-09-2  
**Purity** 99%

## Quality Confirmation Test

**Column:**

30m x 0.25mm x 0.25µm  
Rtx-5 (cat.#10223)

**Carrier Gas:**

hydrogen-constant pressure 10 psi.

**Temp. Program:**

75°C (hold 1 min.) to 330°C  
@ 20°C/min. (hold 10 min.)

**Inj. Temp:**

250°C

**Det. Temp:**

330°C

**Det. Type:**

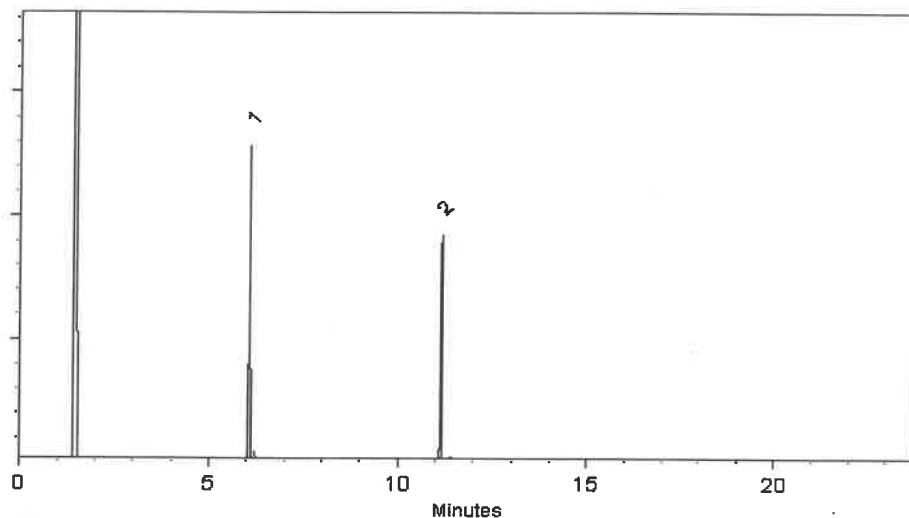
FID

**Split Vent:**

10 ml/min.

**Inj. Vol**

1µl

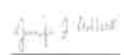


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

  
Dakota Parson - Operations Technician I

Date Mixed: 13-Sep-2023

Balance Serial # B442140311

  
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 28-Sep-2023

Manufactured under Restek's ISO 9001:2015  
Registered Quality System  
Certificate #FM 80397

## General Certified Reference Material Notes

### Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

### Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

### Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

$k$  is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

### Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

### Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



5580 Skylane Blvd  
Santa Rosa, CA 95403

(707)525-5788  
(800)878-7654 Toll Free  
(707)545-7901 Fax

Manufacturer's Quality System  
Audited & Registered  
by TUV USA to ISO 9001:2015

Date Received: \_\_\_\_\_

## Certificate of Analysis

Rev 0

Page 1 of 1

| Catalog No.: | Lot No.: | Storage: | Solvent:     | Exp. Date: | Description:                             |                     |
|--------------|----------|----------|--------------|------------|------------------------------------------|---------------------|
| Z-020223-01  | 454157   | ≤ -10 °C | P/T Methanol | 6/10/2026  | 1,4-Dioxane Solution, 2000 mg/L,<br>1 mL |                     |
| Compound     |          |          | CAS No.      | Purity (%) | Compound Lot No.                         | Concentration, mg/L |
| 1,4-dioxane  |          |          | 123-91-1     | 100        | 223.1.3P                                 | 1997 ± 57.08        |

512112 } RC/  
↓  
912116 } 03/08/24

\*Not a certified value

Certified By: \_\_\_\_\_

Melissa Workoff  
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00.  
Concentration (correct for purity) and uncertainty (95% confidence) values  
listed are determined gravimetrically.



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## CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

chromatographic plus



### FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 31087 **Lot No.:** A0206206  
**Description :** Acid Surrogate Mix (4/89 SOW)  
Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul  
**Container Size :** 5 mL **Pkg Amt:** > 5 mL  
**Expiration Date :** January 31, 2032 **Storage:** 10°C or colder  
**Ship:** Ambient

512187 } RC/  
↓ } 03/18/24  
512206 }

### CERTIFIED VALUES

| Elution Order | Compound             | CAS #      | Lot #       | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---------------|----------------------|------------|-------------|--------|-----------------------------|----------------------------------------|
| 1             | 2-Fluorophenol       | 367-12-4   | STBK1705    | 99%    | 10,005.3 µg/mL              | +/- 302.5390                           |
| 2             | Phenol-d6            | 13127-88-3 | PR-33287A   | 99%    | 10,005.5 µg/mL              | +/- 302.5475                           |
| 3             | 2,4,6-Tribromophenol | 118-79-6   | RP230831RSR | 99%    | 10,006.6 µg/mL              | +/- 302.5783                           |

\* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Methanol  
**CAS #** 67-56-1  
**Purity** 99%

# Quality Confirmation Test

**Column:**

30m x 0.25mm x 0.25µm  
Rtx-5 (cat.#10223)

**Carrier Gas:**

hydrogen-constant pressure 10 psi.

**Temp. Program:**

40°C (hold 2 min.) to 330°C  
@ 10°C/min. (hold 10 min.)

**Inj. Temp:**

250°C

**Det. Temp:**

330°C

**Det. Type:**

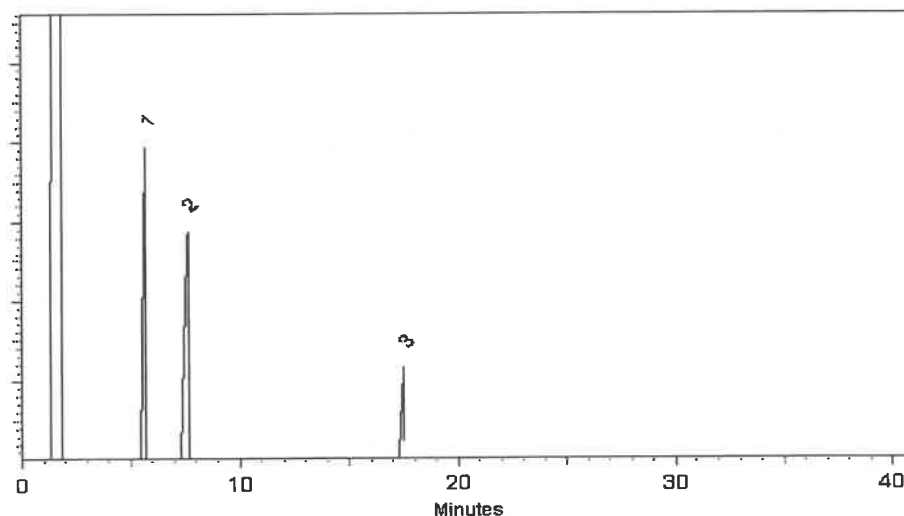
FID

**Split Vent:**

2 ml/min.

**Inj. Vol**

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

*Penelope S. Riglin*

Penelope Riglin - Operations Tech I

Date Mixed: 04-Jan-2024

Balance Serial # 1128360905

*Christie Mills*

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 08-Jan-2024

Manufactured under Restek's ISO 9001:2015  
Registered Quality System  
Certificate #FM 80397



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Manufacturer's Quality System  
Audited & Registered  
by TUV USA to ISO 9001:2015

Date Received: \_\_\_\_\_

## Certificate of Analysis

Rev 0

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|                     |                 |                 |                    |                   |                                                                |
|---------------------|-----------------|-----------------|--------------------|-------------------|----------------------------------------------------------------|
| <b>Catalog No.:</b> | <b>Lot No.:</b> | <b>Storage:</b> | <b>Solvent:</b>    | <b>Exp. Date:</b> | <b>Description:</b>                                            |
| Z-110381-01         | 520963          | ≤ -10 °C        | Methylene Chloride | 10/10/2028        | Method 8270 Calibration Solution, 76-1, 500 & 1,000 mg/L, 1 mL |

| Compound                          | CAS No.  | Purity (%) | Compound Lot No. | Concentration, mg/L |
|-----------------------------------|----------|------------|------------------|---------------------|
| acenaphthene                      | 83-32-9  | 99.9       | 13.1.5P          | 1010 ± 9.89         |
| acenaphthylene                    | 208-96-8 | 97.6       | 14.290.1P        | 1014 ± 9.93         |
| aniline                           | 62-53-3  | 99.97      | 64.1.4P          | 1001 ± 9.8          |
| anthracene                        | 120-12-7 | 99.5       | 15.7.1P          | 999.6 ± 9.79        |
| azobenzene                        | 103-33-3 | 98.1       | 252.7.2P         | 999.1 ± 9.8         |
| benzo[a]anthracene                | 56-55-3  | 100        | 16.7.3P          | 1007 ± 9.86         |
| benzo[b]fluoranthene              | 205-99-2 | 99.8       | 17.421.3P        | 1011 ± 14.11        |
| benzo[k]fluoranthene              | 207-08-9 | 98.9       | 18.421.4P        | 1001 ± 10.96        |
| benzo[ghi]perylene                | 191-24-2 | 93         | 19.286.4P        | 999.6 ± 13.95       |
| benzo[a]pyrene                    | 50-32-8  | 97         | 20.286.2P        | 999.9 ± 22.24       |
| benzyl alcohol                    | 100-51-6 | 99.9       | 65.18.1P         | 1001 ± 9.82         |
| bis(2-chloroethoxy)methane        | 111-91-1 | 99.1       | 31.3.15P         | 1000 ± 14.69        |
| bis(2-chloroethyl)ether           | 111-44-4 | 99.8       | 32.7.1P          | 1003 ± 13.89        |
| bis(2-chloro-1-methylethyl) ether | 108-60-1 | 99.5       | 34.3.15P         | 999.4 ± 14.68       |
| bis(2-ethylhexyl)adipate          | 103-23-1 | 99.5       | 874.7.1P         | 999.5 ± 9.8         |
| bis(2-ethylhexyl)phthalate        | 117-81-7 | 99.4       | 33.29.1P         | 998.8 ± 17.03       |
| 4-bromophenyl phenyl ether        | 101-55-3 | 99.4       | 35.7.1.1P        | 1000 ± 13.85        |
| butyl benzyl phthalate            | 85-68-7  | 98.4       | 36.1.6P          | 984.7 ± 16.79       |
| carbazole                         | 86-74-8  | 99.4       | 239.7.2P         | 1000 ± 9.8          |

\*Not a certified value

512270 } RC/  
↓  
512274 } 05/24/24

*Kerry Kane*

Certified By: \_\_\_\_\_

Kerry Kane  
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00.  
Concentration (correct for purity) and uncertainty (95% confidence) values  
listed are determined gravimetrically.

# Certificate of Analysis

Page 2 of 4

Catalog No.: Z-110381-01

Lot No.: 520963

Expiration Date: 10/10/2028

| Compound                   | CAS No.   | Purity (%) | Compound Lot No. | Concentration, mg/L |
|----------------------------|-----------|------------|------------------|---------------------|
| 4-chloroaniline            | 106-47-8  | 100        | 66.7.1P          | 1000 ± 9.79         |
| 4-chlorophenylphenyl ether | 7005-72-3 | 98         | 37.158.2P        | 1001 ± 17.07        |
| 4-chloro-3-methylphenol    | 59-50-7   | 99         | 102.1.2P         | 1006 ± 17.16        |
| 2-chloronaphthalene        | 91-58-7   | 99.9       | 42.7.6P          | 1000 ± 9.79         |
| 2-chlorophenol             | 95-57-8   | 99.8       | 103.7.1P         | 1007 ± 13.96        |
| chrysene                   | 218-01-9  | 96         | 21.286.2P        | 998.4 ± 12.85       |
| dibenz[a,h]anthracene      | 53-70-3   | 99.44      | 22.286.3P        | 1000 ± 9.74         |
| dibenzofuran               | 132-64-9  | 100        | 67.7.2.1P        | 1002 ± 9.77         |
| di-n-butyl phthalate       | 84-74-2   | 99.84      | 40.286.1P        | 1007 ± 24.48        |
| 1,2-dichlorobenzene        | 95-50-1   | 99.8       | 43.7.1P          | 1000 ± 9.79         |
| 1,3-dichlorobenzene        | 541-73-1  | 99.5       | 44.1.3P          | 999.4 ± 9.79        |
| 1,4-dichlorobenzene        | 106-46-7  | 99.9       | 45.29.2P         | 1000 ± 9.79         |
| 2,4-dichlorophenol         | 120-83-2  | 99.6       | 104.7.1.1P       | 1005 ± 13.93        |
| diethyl phthalate          | 84-66-2   | 99.8       | 38.7.1P          | 1011 ± 14           |
| 2,4-dimethylphenol         | 105-67-9  | 99.6       | 105.7.1.1P       | 1009 ± 13.98        |
| dimethyl phthalate         | 131-11-3  | 99.9       | 39.9.2P          | 996.5 ± 13.8        |
| 1,2-dinitrobenzene         | 528-29-0  | 99.86      | 86.7.3.1P        | 999.5 ± 9.75        |
| 1,3-dinitrobenzene         | 99-65-0   | 100        | 313.7.2P         | 998 ± 9.79          |
| 1,4-dinitrobenzene         | 100-25-4  | 100        | 907.7.1P         | 999.5 ± 9.8         |
| 2,4-dinitrophenol          | 51-28-5   | 99.9       | 106.1.6DP        | 1002 ± 13.89        |
| 2,4-dinitrotoluene         | 121-14-2  | 100        | 87.7.3P          | 999.8 ± 13.85       |
| 2,6-dinitrotoluene         | 606-20-2  | 99.4       | 88.7.2.1P        | 999.6 ± 13.85       |
| di-n-octyl phthalate       | 117-84-0  | 99.1       | 41.7.5P          | 991.6 ± 13.74       |
| diphenylamine              | 122-39-4  | 100        | 78.1.6P          | 998 ± 13.79         |
| 2,3,5,6-tetrachlorophenol  | 935-95-5  | 97         | 1112.286.1P      | 1004 ± 14.02        |
| fluoranthene               | 206-44-0  | 98.6       | 23.7.4P          | 999.6 ± 9.79        |
| fluorene                   | 86-73-7   | 98.4       | 24.7.1P          | 999.7 ± 9.79        |

\*Not a certified value

*Kerry Kane*

Certified By:

Kerry Kane  
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00.  
Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetrically.

# Certificate of Analysis

Page 3 of 4

Catalog No.: Z-110381-01

Lot No.: 520963

Expiration Date: 10/10/2028

| Compound                   | CAS No.  | Purity (%) | Compound Lot No. | Concentration, mg/L |
|----------------------------|----------|------------|------------------|---------------------|
| hexachlorobenzene          | 118-74-1 | 99         | 46.158.4P        | 999.9 ± 13.96       |
| hexachlorobutadiene        | 87-68-3  | 97.4       | 47.1.4P          | 1000 ± 9.79         |
| hexachlorocyclopentadiene  | 77-47-4  | 99.2       | 48.2.2P          | 1001 ± 9.8          |
| hexachloroethane           | 67-72-1  | 99.9       | 49.1.4P          | 1003 ± 9.82         |
| indeno[1,2,3-cd]pyrene     | 193-39-5 | 98         | 25.286.4P        | 999.4 ± 22.23       |
| isophorone                 | 78-59-1  | 98.9       | 90.1.4P          | 999.9 ± 13.85       |
| 2-methyl-4,6-dinitrophenol | 534-52-1 | 99.6       | 107.421.2DP      | 991 ± 24.09         |
| 1-methylnaphthalene        | 90-12-0  | 97.1       | 249.7.5P         | 999.2 ± 13.95       |
| 2-methylnaphthalene        | 91-57-6  | 97.4       | 68.7.2P          | 1006 ± 22.38        |
| 2-methylphenol             | 95-48-7  | 99.6       | 114.7.3P         | 1001 ± 13.87        |
| 3-methylphenol             | 108-39-4 | 99.1       | 115.7.4P         | 499.7 ± 6.92        |
| 4-methylphenol             | 106-44-5 | 99.5       | 116.7.1P         | 501.2 ± 6.94        |
| naphthalene                | 91-20-3  | 99.8       | 26.9.1P          | 1018 ± 9.97         |
| 2-nitroaniline             | 88-74-4  | 99.7       | 69.29.1P         | 999.6 ± 9.79        |
| 3-nitroaniline             | 99-09-2  | 100        | 70.7.3P          | 1000 ± 9.74         |
| 4-nitroaniline             | 100-01-6 | 99.7       | 71.29.1P         | 1001 ± 9.8          |
| nitrobenzene               | 98-95-3  | 100        | 94.7.1P          | 1000 ± 13.85        |
| 2-nitrophenol              | 88-75-5  | 99.1       | 108.29.1P        | 996.5 ± 13.81       |
| 4-nitrophenol              | 100-02-7 | 100        | 109.7.1P         | 1000 ± 13.82        |
| N-nitrosodimethylamine     | 62-75-9  | 99.5       | 57.3.19P         | 998.5 ± 14.67       |
| N-nitrosodi-n-propylamine  | 621-64-7 | 99.8       | 59.286.1P        | 996.8 ± 17          |
| pentachlorophenol          | 87-86-5  | 99         | 110.1.7P         | 1004 ± 13.92        |
| phenanthrene               | 85-01-8  | 99.7       | 27.1.5P          | 999 ± 12.87         |
| phenol                     | 108-95-2 | 100        | 112.7.1P         | 998.5 ± 13.8        |
| pyrene                     | 129-00-0 | 99.2       | 28.9.2P          | 998.9 ± 9.78        |
| pyridine                   | 110-86-1 | 100        | 101.24.1P        | 999 ± 9.73          |
| 2,3,4,6-Tetrachlorophenol  | 58-90-2  | 91.8       | 120.421.1P       | 996.5 ± 13.92       |

\*Not a certified value

*Kerry Kane*

Certified By:

Kerry Kane  
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00.  
Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetrically.

# Certificate of Analysis

Page 4 of 4

Catalog No.: Z-110381-01

Lot No.: 520963

Expiration Date: 10/10/2028

| <u>Compound</u>        | <u>CAS No.</u> | <u>Purity (%)</u> | <u>Compound Lot No.</u> | <u>Concentration, mg/L</u> |
|------------------------|----------------|-------------------|-------------------------|----------------------------|
| 1,2,4-trichlorobenzene | 120-82-1       | 99.6              | 54.29.1P                | 999.6 ± 9.79               |
| 2,4,5-trichlorophenol  | 95-95-4        | 96.5              | 121.7.1.1P              | 999.5 ± 13.85              |
| 2,4,6-trichlorophenol  | 88-06-2        | 99.6              | 113.7.1P                | 996 ± 13.8                 |

\*Not a certified value



Certified By: \_\_\_\_\_

Kerry Kane  
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00.  
Concentration (correct for purity) and uncertainty (95% confidence) values  
listed are determined gravimetrically.



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Fax: 1-814-353-1309

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## CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

chromatographic plus



### FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 31615 **Lot No.:** A0212955  
**Description :** GC/MS Tuning Mixture  
GC/MS Tuning Mixture 1,000µg/mL, Methylene Chloride, 1mL/ampul  
**Container Size :** 2 mL **Pkg Amt:** > 1 mL  
**Expiration Date :** June 30, 2027 **Storage:** 10°C or colder  
**Handling:** Contains carcinogen/reproductive toxin. **Ship:** Ambient

### CERTIFIED VALUES

| Elution Order | Compound                             | CAS #     | Lot #       | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---------------|--------------------------------------|-----------|-------------|--------|-----------------------------|----------------------------------------|
| 1             | Pentachlorophenol                    | 87-86-5   | RP240517RSR | 99%    | 1,004.5 µg/mL               | +/- 44.8902                            |
| 2             | DFTPP (Decafluorotriphenylphosphine) | 5074-71-5 | Q117-147    | 99%    | 1,004.5 µg/mL               | +/- 44.8902                            |
| 3             | Benzidine                            | 92-87-5   | S240430RSR  | 99%    | 1,006.0 µg/mL               | +/- 44.9572                            |
| 4             | 4,4'-DDT                             | 50-29-3   | S240530RSR  | 97%    | 1,000.1 µg/mL               | +/- 44.6922                            |

\* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Methylene chloride  
**CAS #** 75-09-2  
**Purity** 99%

S12577  
↓  
S12579 } RC  
8/2/24

## Quality Confirmation Test

**Column:**

30m x 0.25mm x 0.25µm  
Rtx-5 (cat.#10223)

**Carrier Gas:**

hydrogen-constant pressure 10 psi.

**Temp. Program:**

75°C (hold 1 min.) to 330°C  
@ 20°C/min. (hold 10 min.)

**Inj. Temp:**

250°C

**Det. Temp:**

330°C

**Det. Type:**

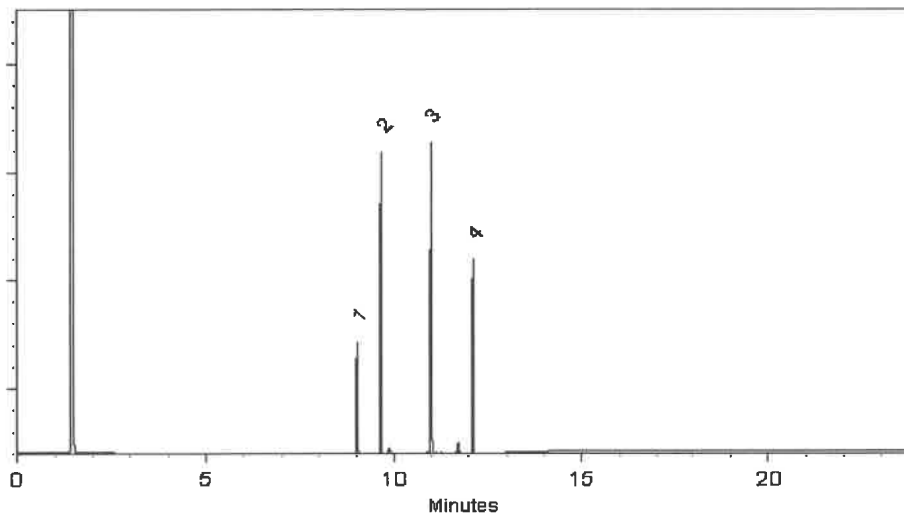
FID

**Split Vent:**

10 ml/min.

**Inj. Vol**

1µl

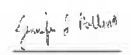


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

  
Ethan Winiarski - Operations Tech I

Date Mixed: 19-Jun-2024

Balance Serial # 1128353505

  
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 26-Jun-2024

Manufactured under Restek's ISO 9001:2015  
Registered Quality System  
Certificate #FM 80397



5580 Skylane Blvd  
Santa Rosa, CA 95403

(707)525-5788  
(800)878-7654 Toll Free  
(707)545-7901 Fax

Manufacturer's Quality System  
Audited & Registered  
by TUV USA to ISO 9001:2015

Date Received: \_\_\_\_\_

## Certificate of Analysis

Rev 0

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|              |          |          |                    |            |                                               |
|--------------|----------|----------|--------------------|------------|-----------------------------------------------|
| Catalog No.: | Lot No.: | Storage: | Solvent:           | Exp. Date: | Description:                                  |
| Z-112090-04  | 440246   | ≤ -10 °C | Methylene Chloride | 2/16/2026  | CLP Acid Surrogate Solution, 7,500 mg/L, 1 mL |

| Compound                      | CAS No.    | Purity (%) | Compound Lot No. | Concentration, mg/L |
|-------------------------------|------------|------------|------------------|---------------------|
| 2-fluorophenol                | 367-12-4   | 99.8       | 10.7.3.3P        | 7513 ± 41.34        |
| phenol-d6                     | 13127-88-3 | 99.9       | 949.120.8P       | 7481 ± 41.16        |
| 2,4,6-tribromophenol          | 118-79-6   | 99.8       | 12.1.6P          | 7469 ± 41.1         |
| 2-chlorophenol-d <sub>4</sub> | 93951-73-6 | 99.3       | 248.12.7P        | 7487 ± 41.19        |

S12639  
↓  
S12643 } AC  
9/12/24

\*Not a certified value

Certified By: Erica Castiglione  
Erica Castiglione  
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00.  
Concentration (correct for purity) and uncertainty (95% confidence) values  
listed are determined gravimetrically.



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## Certificate of Analysis

Rev 0

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| Catalog No.: | Lot No.: | Storage:                   | Solvent:           | Exp. Date: | Description:                              |
|--------------|----------|----------------------------|--------------------|------------|-------------------------------------------|
| Z-110816-01  | 531243   | $\leq -10^{\circ}\text{C}$ | Methylene Chloride | 1/2/2030   | Custom 8270 Mix, 4-79,<br>1000 mg/L, 1 mL |

| Compound    | CAS No.   | Purity (%) | Compound Lot No. | Concentration, mg/L |
|-------------|-----------|------------|------------------|---------------------|
| atrazine    | 1912-24-9 | 99.5       | 337.7.4P         | 997 $\pm$ 5.81      |
| benzidine   | 92-87-5   | 99.9       | 124.18.6.2P      | 993.8 $\pm$ 5.78    |
| caprolactam | 105-60-2  | 99.9       | 271.1.6P         | 999 $\pm$ 5.82      |

513057  
↓  
513061 } AC  
1/16/25

\*Not a certified value

Manufactured by o2si smart solutions, Accredited to ISO 9001:2008 by NSF and ISO/IEC 17025:2005 (Certification No. 3031.01) and ISO Guide 34:2009 (Certification No. 3031.02) by A2LA

Certified By: \_\_\_\_\_

Melissa Workoff  
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00.  
Concentration (correct for purity) and uncertainty (95% confidence) values  
listed are determined gravimetrically.



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## CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

*chromatographic plus*



### FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 31853 **Lot No.:** A0218894

**Description :** 1,4-dioxane  
1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** November 30, 2029 **Storage:** 0°C or colder  
**Ship:** Ambient

513118 } RC/  
↓  
513147 } 5/20/25.

### CERTIFIED VALUES

| Elution Order | Compound    | CAS #    | Lot #    | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---------------|-------------|----------|----------|--------|-----------------------------|----------------------------------------|
| 1             | 1,4-Dioxane | 123-91-1 | SHBQ1693 | 99%    | 2,002.4 µg/mL               | +/- 24.9202                            |

\* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Methylene chloride  
**CAS #** 75-09-2  
**Purity** 99%

# Quality Confirmation Test

**Column:**

30m x 0.25mm x 0.25µm  
Rtx-5 (cat.#10223)

**Carrier Gas:**

hydrogen-constant flow 1.8 mL/min.

**Temp. Program:**

80°C (hold 0.1 min.) to 330°C  
@ 9.6°C/min. (hold 2.86 min.)

**Inj. Temp:**

250°C

**Det. Temp:**

340°C

**Det. Type:**

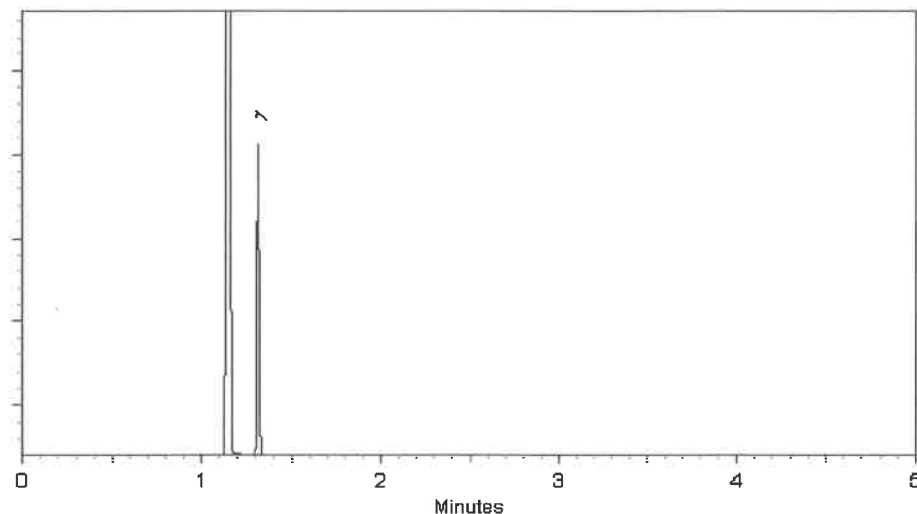
FID

**Split Vent:**

100 mL/min.

**Inj. Vol**

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope Riglin - Operations Tech I

Date Mixed: 07-Nov-2024

Balance Serial # 1128360905

Dillan Murphy - Operations Technician I

Date Passed: 11-Nov-2024

Manufactured under Restek's ISO 9001:2015  
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Certificate #FM 80397



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**Catalog No. :** 31206 **Lot No.:** A0224359

**Description :** SV Internal Standard Mix 2mg/ml  
SV Internal Standard Mix 2mg/ml 2000 µg/ml, Methylene Chloride, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** March 31, 2031 **Storage:** 10°C or colder

**Handling:** Sonication required. Mix is photosensitive. **Ship:** Ambient

S13168  
↓  
S13197 } AC  
6/9/25

### CERTIFIED VALUES

| Elution Order | Compound               | CAS #      | Lot #    | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---------------|------------------------|------------|----------|--------|-----------------------------|----------------------------------------|
| 1             | 1,4-Dichlorobenzene-d4 | 3855-82-1  | PR-30447 | 99%    | 2,000.0 µg/mL               | +/- 90.0812                            |
| 2             | Naphthalene-d8         | 1146-65-2  | M-2180   | 99%    | 2,000.8 µg/mL               | +/- 90.1187                            |
| 3             | Acenaphthene-d10       | 15067-26-2 | PR-33507 | 99%    | 2,000.8 µg/mL               | +/- 90.1187                            |
| 4             | Phenanthrene-d10       | 1517-22-2  | PR-34099 | 99%    | 2,000.0 µg/mL               | +/- 90.0812                            |
| 5             | Chrysene-d12           | 1719-03-5  | PR-33506 | 99%    | 2,000.8 µg/mL               | +/- 90.1187                            |
| 6             | Perylene-d12           | 1520-96-3  | PR-33205 | 99%    | 2,000.0 µg/mL               | +/- 90.0812                            |

\* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Methylene chloride  
**CAS #** 75-09-2  
**Purity** 99%



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CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

gravimetric



## FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 555223 **Lot No.:** A0228451

**Description :** Custom 8270 Plus Standard #1  
Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** August 31, 2027 **Storage:** 10°C or colder

**Handling:** This product is photosensitive. **Ship:** Ambient

S13239 } RC/  
↓  
S13268 } 08/06/25

## CERTIFIED VALUES

| Component # | Compound               | CAS #     | Lot #      | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|-------------|------------------------|-----------|------------|--------|-----------------------------|----------------------------------------|
| 1           | 3,3'-Dichlorobenzidine | 91-94-1   | S250226RSR | 99%    | 1,006.0 µg/mL               | +/- 23.0947                            |
| 2           | Atrazine               | 1912-24-9 | 5FYWL      | 99%    | 1,007.0 µg/mL               | +/- 23.1176                            |
| 3           | Benzidine              | 92-87-5   | S250227ECS | 99%    | 1,003.0 µg/mL               | +/- 23.0258                            |
| 4           | epsilon-Caprolactam    | 105-60-2  | Y16H012    | 99%    | 1,003.0 µg/mL               | +/- 23.0258                            |

**Solvent:** Methylene chloride  
**CAS #** 75-09-2  
**Purity** 99%

Tom Sucka - Mix Technician

**Date Mixed:** 01-Aug-2025

**Balance:** 1128360905

Manufactured under Restek's ISO 9001:2015  
Registered Quality System  
Certificate #FM 80397



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## CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

gravimetric



### FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

Catalog No. : 555224 Lot No.: A0228494

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride,  
1mL/ampul

Container Size : 2 mL

Pkg Amt: > 1 mL

Expiration Date : August 31, 2027

Storage: 10°C or colder

Ship: Ambient

513269 } RC1  
↓  
513298 } 08/06/25

### CERTIFIED VALUES

| Component # | Compound                   | CAS #    | Lot #       | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|-------------|----------------------------|----------|-------------|--------|-----------------------------|----------------------------------------|
| 1           | 1,2,4,5-Tetrachlorobenzene | 95-94-3  | MKCT9480    | 99%    | 1,002.0 µg/mL               | +/- 29.453715                          |
| 2           | Acetophenone               | 98-86-2  | STBH8205    | 99%    | 1,001.0 µg/mL               | +/- 29.424320                          |
| 3           | Benzaldehyde               | 100-52-7 | RD250319RSR | 99%    | 1,003.0 µg/mL               | +/- 29.483110                          |
| 4           | Benzoic acid               | 65-85-0  | MKCX1578    | 99%    | 1,001.0 µg/mL               | +/- 29.424320                          |
| 5           | Biphenyl                   | 92-52-4  | MKCS5928    | 99%    | 1,002.0 µg/mL               | +/- 29.453715                          |

Solvent: Methylene chloride  
CAS # 75-09-2  
Purity 99%

Laith Clemente - Operations Technician I

Date Mixed: 04-Aug-2025

Balance: 1128360905

Manufactured under Restek's ISO 9001:2015  
Registered Quality System  
Certificate #FM 80397



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## CERTIFIED REFERENCE MATERIAL

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chromatographic plus



### FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 31850 **Lot No.:** A0229652

**Description :** 8270 MegaMix®  
8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** July 31, 2026 **Storage:** 0°C or colder

**Handling:** Sonication required. Mix is photosensitive. **Ship:** Ambient

513299 } RC/  
↓ 10/17/25  
513328 }

### CERTIFIED VALUES

| Elution Order | Compound                     | CAS #    | Lot #       | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---------------|------------------------------|----------|-------------|--------|-----------------------------|----------------------------------------|
| 1             | Pyridine                     | 110-86-1 | SHBR4811    | 99%    | 1,004.9 µg/mL               | +/- 36.5621                            |
| 2             | N-Nitrosodimethylamine       | 62-75-9  | S250717RSR  | 99%    | 1,004.5 µg/mL               | +/- 36.5484                            |
| 3             | Phenol                       | 108-95-2 | MKCT5446    | 99%    | 1,003.5 µg/mL               | +/- 36.5120                            |
| 4             | Aniline                      | 62-53-3  | X22F726     | 99%    | 1,004.8 µg/mL               | +/- 36.5575                            |
| 5             | Bis(2-chloroethyl)ether      | 111-44-4 | 002891T24M  | 99%    | 1,003.6 µg/mL               | +/- 36.5166                            |
| 6             | 2-Chlorophenol               | 95-57-8  | STBK4742    | 99%    | 1,004.5 µg/mL               | +/- 36.5484                            |
| 7             | 1,3-Dichlorobenzene          | 541-73-1 | STBL1702    | 99%    | 1,003.8 µg/mL               | +/- 36.5211                            |
| 8             | 1,4-Dichlorobenzene          | 106-46-7 | MKBS7929V   | 99%    | 1,003.8 µg/mL               | +/- 36.5211                            |
| 9             | Benzyl alcohol               | 100-51-6 | 094986W07G  | 99%    | 1,003.8 µg/mL               | +/- 36.5211                            |
| 10            | 1,2-Dichlorobenzene          | 95-50-1  | SHBR4446    | 99%    | 1,004.9 µg/mL               | +/- 36.5621                            |
| 11            | 2-Methylphenol (o-cresol)    | 95-48-7  | SHBN7598    | 99%    | 1,004.3 µg/mL               | +/- 36.5393                            |
| 12            | 2,2'-oxybis(1-chloropropane) | 108-60-1 | RP250904RSR | 99%    | 1,005.0 µg/mL               | +/- 36.5666                            |
| 13            | 3-Methylphenol (m-cresol)    | 108-39-4 | STBL3873    | 99%    | 502.4 µg/mL                 | +/- 18.2788                            |
| 14            | 4-Methylphenol (p-cresol)    | 106-44-5 | SHBQ7653    | 99%    | 502.3 µg/mL                 | +/- 18.2742                            |
| 15            | N-Nitroso-di-n-propylamine   | 621-64-7 | N63MG       | 99%    | 1,004.9 µg/mL               | +/- 36.5621                            |
| 16            | Hexachloroethane             | 67-72-1  | DAXRI       | 99%    | 1,003.9 µg/mL               | +/- 36.5257                            |
| 17            | Nitrobenzene                 | 98-95-3  | 10224044    | 99%    | 1,003.9 µg/mL               | +/- 36.5257                            |

|    |                                               |           |                  |     |         |       |             |
|----|-----------------------------------------------|-----------|------------------|-----|---------|-------|-------------|
| 18 | Isophorone                                    | 78-59-1   | MKCR3249         | 99% | 1,004.8 | µg/mL | +/- 36.5575 |
| 19 | 2-Nitrophenol                                 | 88-75-5   | RP230710         | 99% | 1,003.6 | µg/mL | +/- 36.5166 |
| 20 | 2,4-Dimethylphenol                            | 105-67-9  | DIRAF            | 99% | 1,004.1 | µg/mL | +/- 36.5348 |
| 21 | Bis(2-chloroethoxy)methane                    | 111-91-1  | 15705100         | 99% | 1,004.5 | µg/mL | +/- 36.5484 |
| 22 | 2,4-Dichlorophenol                            | 120-83-2  | BCCK6969         | 99% | 1,004.8 | µg/mL | +/- 36.5575 |
| 23 | 1,2,4-Trichlorobenzene                        | 120-82-1  | SHBR1701         | 99% | 1,004.0 | µg/mL | +/- 36.5302 |
| 24 | Naphthalene                                   | 91-20-3   | STBL1057         | 99% | 1,004.0 | µg/mL | +/- 36.5302 |
| 25 | 4-Chloroaniline                               | 106-47-8  | BCCJ3217         | 99% | 1,004.5 | µg/mL | +/- 36.5484 |
| 26 | Hexachlorobutadiene                           | 87-68-3   | X05J             | 98% | 1,002.7 | µg/mL | +/- 36.4816 |
| 27 | 4-Chloro-3-methylphenol                       | 59-50-7   | BCCK5906         | 99% | 1,004.3 | µg/mL | +/- 36.5393 |
| 28 | 2-Methylnaphthalene                           | 91-57-6   | STBL3028         | 99% | 1,000.5 | µg/mL | +/- 36.4029 |
| 29 | 1-Methylnaphthalene                           | 90-12-0   | 5234.00-8        | 98% | 1,000.0 | µg/mL | +/- 36.3847 |
| 30 | Hexachlorocyclopentadiene                     | 77-47-4   | 099063P13G       | 99% | 1,004.0 | µg/mL | +/- 36.5302 |
| 31 | 2,4,6-Trichlorophenol                         | 88-06-2   | STBK8870         | 99% | 1,003.5 | µg/mL | +/- 36.5120 |
| 32 | 2,4,5-Trichlorophenol                         | 95-95-4   | 3YFRE            | 97% | 1,003.6 | µg/mL | +/- 36.5152 |
| 33 | 2-Chloronaphthalene                           | 91-58-7   | RPN7O            | 99% | 1,003.6 | µg/mL | +/- 36.5166 |
| 34 | 2-Nitroaniline                                | 88-74-4   | RP250625RSR      | 99% | 1,003.8 | µg/mL | +/- 36.5211 |
| 35 | 1,4-Dinitrobenzene                            | 100-25-4  | RP250401RSR      | 99% | 1,004.6 | µg/mL | +/- 36.5530 |
| 36 | Acenaphthylene                                | 208-96-8  | 214935V18H       | 95% | 1,000.4 | µg/mL | +/- 36.3974 |
| 37 | 1,3-Dinitrobenzene                            | 99-65-0   | TRC3-1075941-2-1 | 99% | 1,004.8 | µg/mL | +/- 36.5575 |
| 38 | Dimethylphthalate                             | 131-11-3  | 358221L17K       | 99% | 1,003.5 | µg/mL | +/- 36.5120 |
| 39 | 2,6-Dinitrotoluene                            | 606-20-2  | BCCG1833         | 99% | 1,004.6 | µg/mL | +/- 36.5530 |
| 40 | 1,2-Dinitrobenzene                            | 528-29-0  | RP250203RSR      | 99% | 1,002.6 | µg/mL | +/- 36.4802 |
| 41 | Acenaphthene                                  | 83-32-9   | MKCV8166         | 99% | 1,000.0 | µg/mL | +/- 36.3847 |
| 42 | 3-Nitroaniline                                | 99-09-2   | RP240708RSR      | 99% | 1,003.8 | µg/mL | +/- 36.5211 |
| 43 | 2,4-Dinitrophenol                             | 51-28-5   | D240927RSR       | 99% | 1,004.1 | µg/mL | +/- 36.5348 |
| 44 | Dibenzofuran                                  | 132-64-9  | MKCW3845         | 99% | 1,003.6 | µg/mL | +/- 36.5166 |
| 45 | 2,4-Dinitrotoluene                            | 121-14-2  | 102869V26E       | 99% | 1,003.8 | µg/mL | +/- 36.5211 |
| 46 | 4-Nitrophenol                                 | 100-02-7  | 20241120-1-AN    | 99% | 1,003.0 | µg/mL | +/- 36.4938 |
| 47 | 2,3,4,6-Tetrachlorophenol                     | 58-90-2   | PR-34476         | 99% | 1,003.8 | µg/mL | +/- 36.5211 |
| 48 | 2,3,5,6-Tetrachlorophenol                     | 935-95-5  | RP250724RSR      | 99% | 1,003.1 | µg/mL | +/- 36.4984 |
| 49 | Fluorene                                      | 86-73-7   | 10246250         | 98% | 1,002.9 | µg/mL | +/- 36.4905 |
| 50 | 4-Chlorophenyl phenyl ether                   | 7005-72-3 | 002531K02D       | 99% | 1,004.3 | µg/mL | +/- 36.5393 |
| 51 | Diethylphthalate                              | 84-66-2   | 223219R19C       | 99% | 1,004.8 | µg/mL | +/- 36.5575 |
| 52 | 4-Nitroaniline                                | 100-01-6  | RP240830RSR      | 99% | 1,004.0 | µg/mL | +/- 36.5302 |
| 53 | 4,6-Dinitro-2-methylphenol (Dinitro-o-cresol) | 534-52-1  | S250805RSR       | 99% | 1,004.8 | µg/mL | +/- 36.5575 |

|    |                            |          |               |     |         |       |             |
|----|----------------------------|----------|---------------|-----|---------|-------|-------------|
| 54 | Diphenylamine              | 122-39-4 | MKCT1512      | 99% | 1,004.9 | µg/mL | +/- 36.5621 |
| 55 | Azobenzene                 | 103-33-3 | BCCL3292      | 99% | 1,003.9 | µg/mL | +/- 36.5257 |
| 56 | 4-Bromophenyl phenyl ether | 101-55-3 | STBH6361      | 99% | 1,003.9 | µg/mL | +/- 36.5257 |
| 57 | Hexachlorobenzene          | 118-74-1 | 16302300      | 99% | 1,004.5 | µg/mL | +/- 36.5484 |
| 58 | Pentachlorophenol          | 87-86-5  | RP240411RSR   | 99% | 1,004.9 | µg/mL | +/- 36.5621 |
| 59 | Phenanthrene               | 85-01-8  | MKCV8193      | 99% | 1,003.8 | µg/mL | +/- 36.5211 |
| 60 | Anthracene                 | 120-12-7 | MKCW9141      | 99% | 1,003.3 | µg/mL | +/- 36.5029 |
| 61 | Carbazole                  | 86-74-8  | 15821400      | 99% | 1,003.1 | µg/mL | +/- 36.4984 |
| 62 | Di-n-butylphthalate        | 84-74-2  | MKCN4337      | 99% | 1,004.6 | µg/mL | +/- 36.5530 |
| 63 | Fluoranthene               | 206-44-0 | A0458721      | 99% | 1,004.8 | µg/mL | +/- 36.5575 |
| 64 | Pyrene                     | 129-00-0 | BCCL8032      | 99% | 1,003.8 | µg/mL | +/- 36.5211 |
| 65 | Benzyl butyl phthalate     | 85-68-7  | X12I018       | 99% | 1,004.9 | µg/mL | +/- 36.5621 |
| 66 | Bis(2-ethylhexyl)adipate   | 103-23-1 | MKCM1988      | 99% | 1,003.4 | µg/mL | +/- 36.5075 |
| 67 | Benz(a)anthracene          | 56-55-3  | I80012022BAA  | 99% | 1,004.3 | µg/mL | +/- 36.5393 |
| 68 | Chrysene                   | 218-01-9 | RP250815RSR   | 99% | 1,003.9 | µg/mL | +/- 36.5257 |
| 69 | Bis(2-ethylhexyl)phthalate | 117-81-7 | MKCS8065      | 99% | 1,004.5 | µg/mL | +/- 36.5484 |
| 70 | Di-n-octyl phthalate       | 117-84-0 | 16197600      | 99% | 1,004.4 | µg/mL | +/- 36.5439 |
| 71 | Benzo(b)fluoranthene       | 205-99-2 | 0225BF        | 99% | 1,005.4 | µg/mL | +/- 36.5803 |
| 72 | Benzo(k)fluoranthene       | 207-08-9 | 012022K       | 99% | 1,004.5 | µg/mL | +/- 36.5484 |
| 73 | Benzo(a)pyrene             | 50-32-8  | NQLXA         | 98% | 1,002.4 | µg/mL | +/- 36.4726 |
| 74 | Indeno(1,2,3-cd)pyrene     | 193-39-5 | 17-YMK-40-2   | 99% | 1,004.0 | µg/mL | +/- 36.5302 |
| 75 | Dibenz(a,h)anthracene      | 53-70-3  | 712215450-1-1 | 99% | 1,003.5 | µg/mL | +/- 36.5120 |
| 76 | Benzo(g,h,i)perylene       | 191-24-2 | RP250501RSR   | 98% | 1,003.0 | µg/mL | +/- 36.4949 |

\* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Methylene chloride  
**CAS #** 75-09-2  
**Purity** 99%

#### **Tech Tips:**

N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.

## Quality Confirmation Test

**Column:**

30m x 0.25mm x 0.25µm  
Rtx-5 (cat.#10223)

**Carrier Gas:**

hydrogen-constant flow 1.8 mL/min.

**Temp. Program:**

80°C (hold 0.1 min.) to 330°C  
@ 9.6°C/min. (hold 2.86 min.)

**Inj. Temp:**

250°C

**Det. Temp:**

340°C

**Det. Type:**

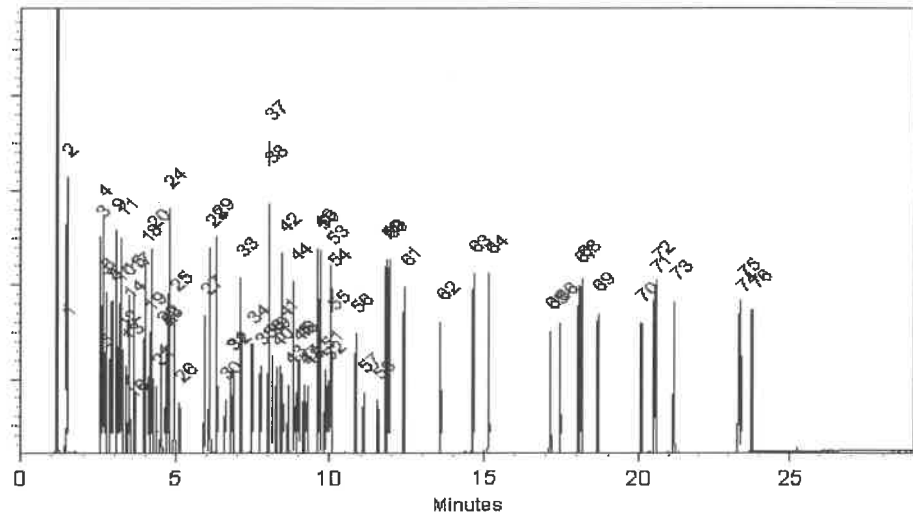
FID

**Split Vent:**

100 mL/min.

**Inj. Vol**

1µl

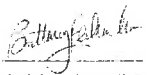


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

  
Dakota Parson - Operations Technician I

Date Mixed: 04-Sep-2025

Balance Serial # B345965662

  
Brittany Federinko - Operations Tech II

Date Passed: 15-Sep-2025

Manufactured under Restek's ISO 9001:2015  
Registered Quality System  
Certificate #FM 80397



# SHIPPING DOCUMENTS

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: Jacobs  
ADDRESS: 412 Mt Kemble Ave Suite #100  
CITY Morrisstown STATE: NJ ZIP: 07960  
ATTENTION: John Yufante  
PHONE: (281) 414-1719 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: STC PTC  
PROJECT NO.: D463426 LOCATION: Princeton Junction  
PROJECT MANAGER: Mary Murphy  
e-mail: Mary.Murphy@Jacobs.com  
PHONE: (201) 936-0586 FAX:

CLIENT BILLING INFORMATION

BILL TO: Mary Murphy PO#:  
ADDRESS:  
CITY STATE: ZIP:  
ATTENTION: PHONE:

ANALYSIS

DATA TURNAROUND INFORMATION

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

DATA DELIVERABLE INFORMATION

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

*Site specific VOCs  
Trace VOCs, site specific  
1/4 Dose  
1/2 Dose  
1/4 Dose - SIM*

PRESERVATIVES

COMMENTS

| ALLIANCE<br>SAMPLE<br>ID | PROJECT<br>SAMPLE IDENTIFICATION | SAMPLE<br>MATRIX | SAMPLE<br>TYPE |      | SAMPLE<br>COLLECTION |      | # OF BOTTLES | PRESERVATIVES |     |   |   |   |   |   |   |   | COMMENTS<br>← Specify Preservatives<br>A-HCl D-NaOH<br>B-HNO3 E-ICE<br>C-H2SO4 F-OTHER |
|--------------------------|----------------------------------|------------------|----------------|------|----------------------|------|--------------|---------------|-----|---|---|---|---|---|---|---|----------------------------------------------------------------------------------------|
|                          |                                  |                  | COMP           | GRAB | DATE                 | TIME |              | A/E           | A/E | F |   |   |   |   |   |   |                                                                                        |
|                          |                                  |                  |                |      |                      |      |              | 1             | 2   | 3 | 4 | 5 | 6 | 7 | 8 | 9 |                                                                                        |
| 1.                       | BR-02-133-120925                 | GW               | X              |      | 12/4/25              | 0930 | 5            | X             |     | X |   |   |   |   |   |   |                                                                                        |
| 2.                       | BR-02-133-120925-SIM             | GW               | X              |      | 12/4/25              | 0930 | 2            |               | X   |   |   |   |   |   |   |   |                                                                                        |
| 3.                       | OWBR-06-219-120925               | GW               | X              |      | 12/4/25              | 1035 | 5            | X             |     | X |   |   |   |   |   |   |                                                                                        |
| 4.                       | OWBR-06-219-120925-SIM           | GW               | X              |      | 12/4/25              | 1035 | 3            |               | X   |   |   |   |   |   |   |   |                                                                                        |
| 5.                       | RMW-03B-90-120925                | GW               | X              |      | 12/4/25              | 1225 | 5            | X             |     | X |   |   |   |   |   |   |                                                                                        |
| 6.                       | OWBR-03-138-120925               | GW               | X              |      | 12/4/25              | 1310 | 5            | X             |     | X |   |   |   |   |   |   |                                                                                        |
| 7.                       | OWBR-03-138-120925-SIM           | GW               | X              |      | 12/4/25              | 1310 | 3            |               | X   |   |   |   |   |   |   |   |                                                                                        |
| 8.                       | FB01-120925                      | DI               | X              |      | 12/4/25              | 1330 | 5            | X             |     | X |   |   |   |   |   |   |                                                                                        |
| 9.                       | TB01-120925                      | DI               | X              |      | 12/4/25              | 0900 | 4            | X             | X   |   |   |   |   |   |   |   |                                                                                        |
| 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: <u>1600</u><br><u>12-9-25</u> | RECEIVED BY:<br>1. <u>[Signature]</u> | DATE/TIME: <u>1600</u><br><u>12-9-25</u> | Conditions of bottles or coolers at receipt: <input type="checkbox"/> COMPLIANT <input type="checkbox"/> NON COMPLIANT <input type="checkbox"/> COOLER TEMP <u>20.2</u> °C |
| RELINQUISHED BY SAMPLER:<br>2. <u>[Signature]</u> | DATE/TIME:                               | RECEIVED BY:<br>2. <u>[Signature]</u> |                                          | Comments: <u>See work order for list of site specific VOCs</u>                                                                                                             |
| RELINQUISHED BY SAMPLER:<br>3. <u>[Signature]</u> | DATE/TIME: <u>1738</u><br><u>12-9-25</u> | RECEIVED BY:<br>3. <u>[Signature]</u> |                                          |                                                                                                                                                                            |

Page 1 of 1

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete  
☐ YES ☐ NO

### Laboratory Certification

| Certified By    | License No.      |
|-----------------|------------------|
|                 |                  |
| Connecticut     | PH-0830          |
|                 |                  |
| DOD ELAP (ANAB) | L2219            |
|                 |                  |
| Maine           | 2024021          |
|                 |                  |
| Maryland        | 296              |
|                 |                  |
| New Hampshire   | 255425           |
|                 |                  |
| New Jersey      | 20012            |
|                 |                  |
| New York        | 11376            |
|                 |                  |
| Pennsylvania    | 68-00548         |
|                 |                  |
| Soil Permit     | 525-24-234-08441 |
|                 |                  |
| Texas           | TX-C25-00189     |
|                 |                  |
| Virginia        | 460312           |

## LOGIN REPORT/SAMPLE TRANSFER

**Order ID :** Q3828 JACO05

**Order Date :** 12/9/2025 4:14:00 PM

**Project Mgr :**

**Client Name :** JACOBS Engineering Grou

**Project Name :** Former Schlumberger STC

**Report Type :** Level 3

**Client Contact :** John Ynfante

**Receive DateTime :** 12/9/2025 5:00:00 PM

**EDD Type :** CH2MHILL

**Invoice Name :** JACOBS Engineering Grou

**Purchase Order :**

**Hard Copy Date :**

**Invoice Contact :** John Ynfante

**Date Signoff :**

| LAB ID   | CLIENT ID              | MATRIX | SAMPLE DATE | SAMPLE TIME | TEST         | TEST GROUP | METHOD      | FAX DATE     | DUE DATES |
|----------|------------------------|--------|-------------|-------------|--------------|------------|-------------|--------------|-----------|
| Q3828-01 | BR-02-133-120925       | Water  | 12/09/2025  | 09:30       |              |            |             |              |           |
|          |                        |        |             |             | VOCMS Group3 |            | 8260-Low    | 10 Bus. Days |           |
| Q3828-02 | BR-02-133-120925-SIM   | Water  | 12/09/2025  | 09:30       |              |            |             |              |           |
|          |                        |        |             |             | VOC-SIM      |            | SFAM_VOCSIM | 10 Bus. Days |           |
| Q3828-03 | OWBR-06-219-120925     | Water  | 12/09/2025  | 10:35       |              |            |             |              |           |
|          |                        |        |             |             | VOCMS Group3 |            | 8260-Low    | 10 Bus. Days |           |
| Q3828-04 | OWBR-06-219-120925-SIM | Water  | 12/09/2025  | 10:35       |              |            |             |              |           |
|          |                        |        |             |             | VOC-SIM      |            | SFAM_VOCSIM | 10 Bus. Days |           |
| Q3828-05 | RMW-03B-90-120925      | Water  | 12/09/2025  | 12:25       |              |            |             |              |           |
|          |                        |        |             |             | VOCMS Group3 |            | 8260-Low    | 10 Bus. Days |           |
| Q3828-06 | OWBR-03-138-120925     | Water  | 12/09/2025  | 13:10       |              |            |             |              |           |
|          |                        |        |             |             | VOCMS Group3 |            | 8260-Low    | 10 Bus. Days |           |
| Q3828-07 | OWBR-03-138-120925-SIM | Water  | 12/09/2025  | 13:10       |              |            |             |              |           |
|          |                        |        |             |             | VOC-SIM      |            | SFAM_VOCSIM | 10 Bus. Days |           |
| Q3828-08 | FB01-120925            | Water  | 12/09/2025  | 13:30       |              |            |             |              |           |

## LOGIN REPORT/SAMPLE TRANSFER

|                                               |        |                                                |                              |
|-----------------------------------------------|--------|------------------------------------------------|------------------------------|
| <b>Order ID :</b> Q3828                       | JACO05 | <b>Order Date :</b> 12/9/2025 4:14:00 PM       | <b>Project Mgr :</b>         |
| <b>Client Name :</b> JACOBS Engineering Grou  |        | <b>Project Name :</b> Former Schlumberger STC  | <b>Report Type :</b> Level 3 |
| <b>Client Contact :</b> John Ynfante          |        | <b>Receive DateTime :</b> 12/9/2025 5:00:00 PM | <b>EDD Type :</b> CH2MHILL   |
| <b>Invoice Name :</b> JACOBS Engineering Grou |        | <b>Purchase Order :</b> 538                    | <b>Hard Copy Date :</b>      |
| <b>Invoice Contact :</b> John Ynfante         |        |                                                | <b>Date Signoff :</b>        |

| LAB ID   | CLIENT ID   | MATRIX | SAMPLE DATE | SAMPLE TIME    | TEST           | TEST GROUP | METHOD      | FAX DATE     | DUE DATES |
|----------|-------------|--------|-------------|----------------|----------------|------------|-------------|--------------|-----------|
|          |             |        |             |                | VOCMS Group3   |            | 8260-Low    | 10 Bus. Days |           |
| Q3828-09 | TB01-120925 | Water  | 12/09/2025  | 08:00          | VOC-SIM        |            | SFAM_VOCSIM | 10 Bus. Days |           |
|          |             |        |             |                | VOC-TRACE-SFAM |            | SFAM_Trace  | 10 Bus. Days |           |
| Q3828-10 | VHBLK001    | Water  | 12/09/2025  | 09:30<br>17:38 | VOC-SIM        |            | SFAM_VOCSIM | 10 Bus. Days |           |

Relinquished By :

Date / Time : 12/10/25 9:00

Received By :

Date / Time : 12/11/25 9:00

Storage Area : VOA Refridgerator Room

Stored in voh  
ref # 04